

External Lighting

Installation : COOP LIVE

Project number : 24
Customer : SES
Processed by : Andrew McInnes
Date : 07.01.2023

Project description:
Rev A

The following calculations are for the pedestrian external lighting at the Coop Live. Also calculated is the emergency escape route from exiting the building towards the North West muster point.

A maintenance factor of 0.8 and the reflectance values were determined by setting the Facade colour to RAL 9002 - 30% gloss.

The results are compared to the values set out in SN EN 12464-2 (5.2014) Section 5.1.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

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1 Luminaire data

1.1 Kingfisher Lighting Ltd, EC1... (80w LED Viva City Pro 4000k 800mA ...)

1.1.1 Data sheet

Manufacturer: Kingfisher Lighting Ltd

80w LED Viva City Pro 4000k 800mA with AY70 Optic EC1

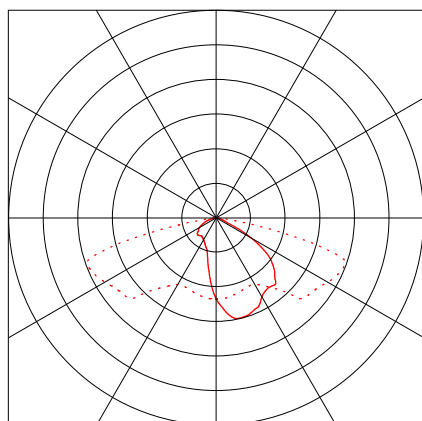
Luminaire data

Luminaire efficiency : 99.8%
Luminaire efficacy : 138.72 lm/W
Classification : A30 ↓99.8% ↑0.2%
CIE Flux Codes : 32 68 95 100 100
UGR 4H 8H : 30.7 / 40.5
Power : 80 W
Luminous flux : 11097.8 lm

Equipped with

Quantity : 1
Designation : Philips 5050
Colour :
Luminous flux : 11120 lm

Dimensions : 212 mm x 184 mm x 1 mm



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 2780 lm

Object : External Lighting
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1.1 Kingfisher Lighting Ltd, EC1... (80w LED Viva City Pro 4000k 800mA ...)

1.1.2 Glare Rating (UGR)

Reflectance of											
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	28.4	30.2	28.7	30.5	30.8	33.4	35.2	33.7	35.5	35.8
	3H	28.4	30.1	28.8	30.4	30.7	37.3	38.9	37.6	39.3	39.6
	4H	28.4	30.0	28.8	30.3	30.7	38.9	40.4	39.3	40.8	41.2
	6H	28.4	29.8	28.8	30.2	30.6	39.4	40.9	39.8	41.2	41.6
	8H	28.3	29.7	28.7	30.1	30.5	39.4	40.8	39.8	41.2	41.6
	12H	28.3	29.6	28.7	30.0	30.4	39.3	40.7	39.7	41.1	41.5
4H	2H	30.7	32.3	31.1	32.7	33.0	33.8	35.3	34.1	35.7	36.0
	3H	30.8	32.1	31.2	32.5	32.9	37.9	39.3	38.3	39.7	40.1
	4H	30.8	32.0	31.2	32.4	32.9	39.8	41.0	40.3	41.4	41.9
	6H	30.8	31.8	31.2	32.3	32.7	40.5	41.6	40.9	42.0	42.4
	8H	30.7	31.8	31.2	32.2	32.7	40.5	41.5	41.0	42.0	42.4
	12H	30.7	31.7	31.2	32.1	32.6	40.5	41.4	41.0	41.9	42.4
8H	4H	32.6	33.6	33.1	34.1	34.5	39.8	40.8	40.2	41.2	41.7
	6H	32.6	33.4	33.1	33.9	34.4	40.5	41.3	41.0	41.8	42.3
	8H	32.6	33.4	33.1	33.9	34.3	40.6	41.3	41.1	41.8	42.3
	12H	32.6	33.2	33.1	33.7	34.2	40.6	41.2	41.1	41.7	42.2
12H	4H	32.8	33.8	33.3	34.2	34.7	39.8	40.7	40.3	41.1	41.6
	6H	32.8	33.6	33.3	34.1	34.6	40.5	41.2	41.0	41.8	42.2
	8H	32.8	33.4	33.3	34.0	34.5	40.6	41.2	41.1	41.7	42.2

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: Kingfisher Lighting Ltd	Efficiency factor	: 99.8%
Order number	: 80w LED Viva City Pro 4000k 800mA	Luminaire efficacy	: 138.72 lm/W (A30)
Luminaire name	: EC1	Light distribution	: asymmetric
Equipment	: 1 x Philips 5050 80 W / 11120 lm	Beam Angle	: 16.8° C0
Dimensions	: L 212 mm x W 184 mm x H 1 mm		: 75.1° C90
File name	: rlx_20221122171820.ltd		-- C180
			: 75.1° C270

Object : External Lighting
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1 Luminaire data

1.2 Kingfisher Lighting Ltd, EC1... (80w LED Viva City Pro 4000k 800mA ...)

1.2.1 Data sheet

Manufacturer: Kingfisher Lighting Ltd

80w LED Viva City Pro 4000k 800mA with AY70 Optic EC1

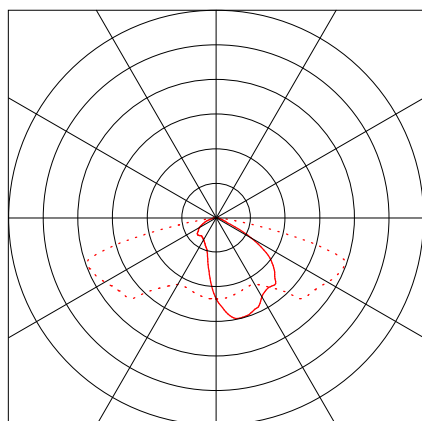
Luminaire data

Luminaire efficiency : 99.8%
Luminaire efficacy : 138.72 lm/W
Classification : A30 ↓99.8% ↑0.2%
CIE Flux Codes : 32 68 95 100 100
UGR 4H 8H : 30.7 / 40.5
Power : 80 W
Luminous flux : 11097.8 lm

Equipped with

Quantity : 1
Designation : Philips 5050
Colour :
Luminous flux : 11120 lm

Dimensions : 212 mm x 184 mm x 1 mm



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 11120 lm

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1.2 Kingfisher Lighting Ltd, EC1... (80w LED Viva City Pro 4000k 800mA ...)

1.2.2 Glare Rating (UGR)

Reflectance of										
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	28.4	30.2	28.7	30.5	30.8	33.4	35.2	33.7	35.5	35.8
	3H	28.4	30.1	28.8	30.4	30.7	37.3	38.9	37.6	39.3	39.6
	4H	28.4	30.0	28.8	30.3	30.7	38.9	40.4	39.3	40.8	41.2
	6H	28.4	29.8	28.8	30.2	30.6	39.4	40.9	39.8	41.2	41.6
	8H	28.3	29.7	28.7	30.1	30.5	39.4	40.8	39.8	41.2	41.6
	12H	28.3	29.6	28.7	30.0	30.4	39.3	40.7	39.7	41.1	41.5
4H	2H	30.7	32.3	31.1	32.7	33.0	33.8	35.3	34.1	35.7	36.0
	3H	30.8	32.1	31.2	32.5	32.9	37.9	39.3	38.3	39.7	40.1
	4H	30.8	32.0	31.2	32.4	32.9	39.8	41.0	40.3	41.4	41.9
	6H	30.8	31.8	31.2	32.3	32.7	40.5	41.6	40.9	42.0	42.4
	8H	30.7	31.8	31.2	32.2	32.7	40.5	41.5	41.0	42.0	42.4
	12H	30.7	31.7	31.2	32.1	32.6	40.5	41.4	41.0	41.9	42.4
8H	4H	32.6	33.6	33.1	34.1	34.5	39.8	40.8	40.2	41.2	41.7
	6H	32.6	33.4	33.1	33.9	34.4	40.5	41.3	41.0	41.8	42.3
	8H	32.6	33.4	33.1	33.9	34.3	40.6	41.3	41.1	41.8	42.3
	12H	32.6	33.2	33.1	33.7	34.2	40.6	41.2	41.1	41.7	42.2
12H	4H	32.8	33.8	33.3	34.2	34.7	39.8	40.7	40.3	41.1	41.6
	6H	32.8	33.6	33.3	34.1	34.6	40.5	41.2	41.0	41.8	42.2
	8H	32.8	33.4	33.3	34.0	34.5	40.6	41.2	41.1	41.7	42.2

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: Kingfisher Lighting Ltd	Efficiency factor	: 99.8%
Order number	: 80w LED Viva City Pro 4000k 800mA	Luminaire efficacy	: 138.72 lm/W (A30)
Luminaire name	: EC1	Light distribution	: asymmetric
Equipment	: 1 x Philips 5050 80 W / 11120 lm	Beam Angle	: 16.8° C0
Dimensions	: L 212 mm x W 184 mm x H 1 mm		: 75.1° C90
File name	: rlx_20221219110315.ltd		-- C180
			75.1° C270

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1 Luminaire data

1.3 Thorn, PIAZZA II LED 1690-840 HF ANT [... (96666256)

1.3.1 Data sheet

Manufacturer: Thorn

96666256 Wall mounted PIAZZA II LED 1690-840 HF ANT [STD]

A robust Wall mounted luminaire. Electronic, fixed output control gear. Back plate: die-cast aluminium, painted anthracite. Body: anthracite polycarbonate. Ø20mm cable entry via rear or side conduit entries, BESA compatible. IP65, IK10. Complete with 4000K LED.

Dimensions: 381 x 196 x 305 mm

Luminaire input power: 15.4 W

Luminaire luminous flux: 1844 lm

Luminaire efficacy: 120 lm/W

Weight: 2.8 kg

Luminaire data

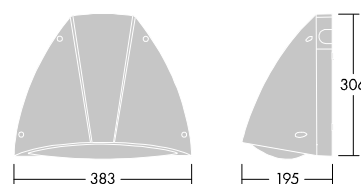
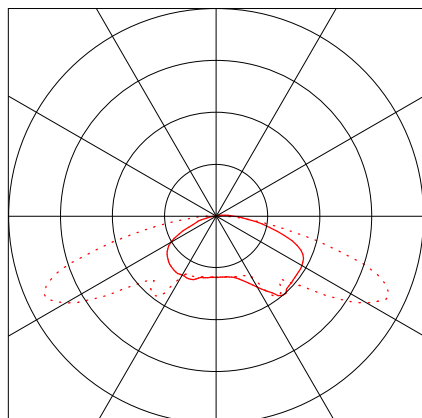
Absolute Photometry

Luminaire efficacy : 119.74 lm/W
Classification : A21 ↓97.7% ↑2.3%
CIE Flux Codes : 23 54 86 98 100
UGR 4H 8H : 33.0 / 39.4
Power : 15.4 W
Luminous flux : 1844 lm

Equipped with

Quantity : 1
Designation : TL_PIA2
Colour : 4000
Colour reproduction : 80

Dimensions : 381 mm x 196 mm x 305 mm



Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

1.3 Thorn, PIAZZA II LED 1690-840 HF ANT [... (96666256)]

1.3.2 Glare Rating (UGR)

Reflectance of											
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	27.4	29.3	27.8	29.7	30.0	31.8	33.7	32.2	34.1	34.5
	3H	29.6	31.4	30.0	31.8	32.1	36.1	37.8	36.5	38.2	38.6
	4H	30.4	32.1	30.9	32.5	32.9	37.4	39.1	37.8	39.5	39.9
	6H	31.0	32.6	31.5	33.0	33.4	38.2	39.7	38.6	40.1	40.6
	8H	31.2	32.7	31.6	33.1	33.6	38.3	39.8	38.7	40.2	40.7
	12H	31.3	32.8	31.7	33.2	33.6	38.4	39.9	38.8	40.3	40.7
4H	2H	29.3	31.0	29.7	31.4	31.8	32.2	33.9	32.6	34.3	34.7
	3H	31.3	32.8	31.8	33.2	33.7	36.6	38.1	37.0	38.5	39.0
	4H	32.2	33.6	32.7	34.0	34.5	38.2	39.6	38.7	40.0	40.5
	6H	32.8	34.0	33.3	34.5	35.0	39.1	40.3	39.6	40.8	41.3
	8H	33.0	34.1	33.5	34.6	35.1	39.4	40.5	39.8	41.0	41.5
	12H	33.2	34.2	33.7	34.7	35.2	39.5	40.6	40.0	41.1	41.6
8H	4H	33.7	34.8	34.2	35.3	35.8	38.3	39.5	38.8	40.0	40.4
	6H	34.3	35.3	34.8	35.8	36.3	39.4	40.4	39.9	40.9	41.5
	8H	34.6	35.5	35.1	36.0	36.5	39.9	40.8	40.4	41.3	41.8
	12H	34.8	35.5	35.3	36.1	36.6	40.1	40.9	40.6	41.4	41.9
12H	4H	34.2	35.2	34.7	35.7	36.2	38.3	39.4	38.8	39.9	40.4
	6H	35.0	35.8	35.5	36.4	36.9	39.5	40.4	40.1	40.9	41.5
	8H	35.2	36.0	35.8	36.5	37.1	40.0	40.7	40.5	41.3	41.8

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: Thorn	Luminaire efficacy	: 119.74 lm/W (A21)
Order number	: 96666256	Light distribution	: sym. to C0-C180
Luminaire name	: PIAZZA II LED 1690-840 HF ANT [STD]	Beam Angle	: 152.8° C90-C270 42.3° C0 -- C180
Equipment	: 1 x TL_PIA2 15 W / 1844 lm		
Dimensions	: L 381 mm x W 196 mm x H 305 mm		
File name	: TLTP_PIA2_1690.ltd		

Object : External Lighting
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Date : 07.01.2023

1 Luminaire data

1.4 Tryka LED Ltd, Stripline 41 1000-18 L... (Stripline 41 10...)

1.4.1 Data sheet

Manufacturer: Tryka LED Ltd

Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
12x55deg RGBW 80CRI 29.7w Clear Glass

Stripline 41 1000-18 LEDs

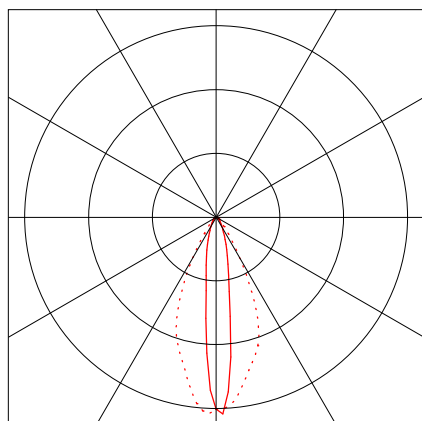
Luminaire data

Absolute Photometry
Luminaire efficacy : 63.47 lm/W
Classification : A70 ↓100.0% ↑0.0%
CIE Flux Codes : 84 95 99 100 100
UGR 4H 8H : 19.6 / 19.8
Power : 29.7 W
Luminous flux : 1885 lm

Equipped with

Quantity : 1
Designation : LED
Colour : RGBW
Colour reproduction : 80

Dimensions : 1000 mm x 40 mm x 30 mm



Emergency Lighting

Light source from normal operation with reduced flux
Luminous flux : 1885 lm

Object : External Lighting
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1.4 Tryka LED Ltd, Stripline 41 1000-18 L... (Stripline 41 10...)

1.4.2 Glare Rating (UGR)

Reflectance of											
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	17.1	18.1	17.5	18.4	18.8	18.1	19.1	18.4	19.4	19.7
	3H	18.2	19.1	18.6	19.4	19.8	18.8	19.7	19.1	20.0	20.3
	4H	18.6	19.4	19.0	19.7	20.1	19.0	19.9	19.4	20.2	20.6
	6H	18.8	19.6	19.2	19.9	20.3	19.2	20.0	19.6	20.3	20.7
	8H	18.8	19.6	19.2	19.9	20.3	19.2	19.9	19.6	20.3	20.7
	12H	18.8	19.5	19.2	19.9	20.3	19.1	19.9	19.6	20.2	20.7
4H	2H	17.6	18.4	18.0	18.8	19.1	18.3	19.1	18.7	19.5	19.9
	3H	18.8	19.5	19.2	19.9	20.3	19.1	19.8	19.6	20.2	20.7
	4H	19.3	19.9	19.7	20.3	20.8	19.5	20.1	20.0	20.6	21.0
	6H	19.6	20.1	20.0	20.6	21.0	19.7	20.3	20.2	20.7	21.2
	8H	19.6	20.1	20.1	20.6	21.1	19.8	20.3	20.2	20.7	21.2
	12H	19.6	20.1	20.1	20.6	21.1	19.8	20.2	20.3	20.7	21.2
8H	4H	19.4	19.9	19.9	20.3	20.8	19.6	20.1	20.1	20.5	21.0
	6H	19.7	20.2	20.2	20.6	21.2	19.8	20.3	20.3	20.7	21.2
	8H	19.9	20.3	20.4	20.8	21.3	19.9	20.3	20.5	20.8	21.3
	12H	19.9	20.2	20.5	20.7	21.3	20.0	20.3	20.5	20.8	21.3
12H	4H	19.4	19.8	19.9	20.3	20.8	19.6	20.0	20.0	20.5	21.0
	6H	19.8	20.1	20.3	20.7	21.2	19.9	20.2	20.4	20.7	21.2
	8H	19.9	20.2	20.4	20.7	21.2	19.9	20.2	20.5	20.7	21.3

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: Tryka LED Ltd	Luminaire efficacy	: 63.47 lm/W (A70)
Order number	: Stripline 41 1000-18 LEDs 12x55deg	Light distribution	: asymmetric
Luminaire name	: Stripline 41 1000-18 LEDs 12x55deg	Beam Angle	: 8.2° C0
	RGBW 80CRI 29.7w Clear Glass		23.6° C90
Equipment	: 1 x LED 29.7 W / 1885 lm		6.2° C180
Dimensions	: L 1000 mm x W 40 mm x H 30 mm		22.8° C270
File name	: Stripline 41 1000-18 LEDs 12x55deg		

Object : External Lighting
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1 Luminaire data

1.5 Kingfisher Lighting Ltd, Viva City Pro... (80w LED Viva City Pro 40...)

1.5.1 Data sheet

Manufacturer: Kingfisher Lighting Ltd

80w LED Viva City Pro 4000k 800mA with FW70 Optic

Viva City Pro

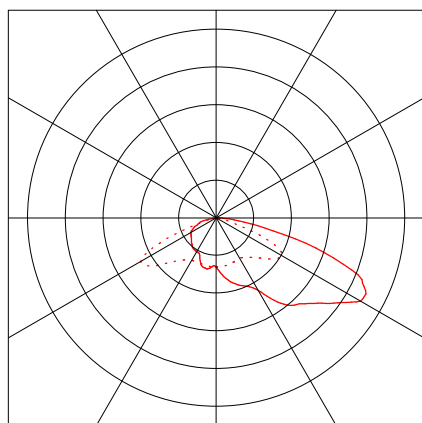
Luminaire data

Luminaire efficiency : 99.8%
Luminaire efficacy : 137.72 lm/W
Classification : A20 ↓99.8% ↑0.2%
CIE Flux Codes : 25 59 94 100 100
UGR 4H 8H : 41.0 / 34.6
Power : 80 W
Luminous flux : 11017.9 lm

Equipped with

Quantity : 1
Designation : Philips 5050
Colour :
Luminous flux : 11040 lm

Dimensions : 212 mm x 184 mm x 1 mm



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 2760 lm

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

1.5 Kingfisher Lighting Ltd, Viva City Pro... (80w LED Viva City Pro 40...)

1.5.2 Glare Rating (UGR)

Reflectance of										
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	34.0	35.9	34.4	36.2	36.5	30.3	32.2	30.7	32.6	32.9
	3H	37.3	39.0	37.7	39.4	39.7	32.1	33.9	32.5	34.2	34.6
	4H	38.2	39.9	38.6	40.2	40.6	32.2	33.8	32.6	34.2	34.6
	6H	38.6	40.1	39.0	40.5	40.9	32.2	33.7	32.6	34.1	34.5
	8H	38.6	40.1	39.0	40.5	40.9	32.1	33.6	32.5	34.0	34.4
	12H	38.6	40.1	39.0	40.4	40.8	32.1	33.5	32.5	33.9	34.3
4H	2H	35.6	37.3	36.0	37.6	38.0	32.5	34.1	32.9	34.5	34.9
	3H	39.2	40.7	39.6	41.1	41.5	34.5	36.0	34.9	36.4	36.8
	4H	40.5	41.8	40.9	42.2	42.7	34.7	36.0	35.1	36.4	36.8
	6H	40.9	42.1	41.4	42.5	43.0	34.6	35.8	35.1	36.3	36.7
	8H	41.0	42.1	41.4	42.5	43.0	34.6	35.7	35.1	36.2	36.6
	12H	41.0	42.0	41.5	42.5	43.0	34.6	35.7	35.1	36.1	36.6
8H	4H	41.3	42.4	41.8	42.8	43.3	36.2	37.3	36.7	37.8	38.2
	6H	42.0	42.9	42.5	43.4	43.9	36.2	37.2	36.7	37.6	38.1
	8H	42.2	43.0	42.7	43.5	44.0	36.3	37.1	36.8	37.6	38.1
	12H	42.2	42.9	42.7	43.4	43.9	36.3	37.0	36.8	37.5	38.0
12H	4H	41.3	42.3	41.8	42.8	43.3	36.4	37.4	36.9	37.9	38.4
	6H	42.1	42.9	42.6	43.4	43.9	36.5	37.3	37.0	37.8	38.3
	8H	42.2	42.9	42.7	43.4	43.9	36.5	37.2	37.0	37.7	38.2

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: Kingfisher Lighting Ltd	Efficiency factor	: 99.8%
Order number	: 80w LED Viva City Pro 4000k 800mA	Luminaire efficacy	: 137.72 lm/W (A20)
Luminaire name	: Viva City Pro	Light distribution	: asymmetric
Equipment	: 1 x Philips 5050 80 W / 11040 lm	Beam Angle	: 73.5° C0
Dimensions	: L 212 mm x W 184 mm x H 1 mm		-- C90
File name	: rlx_20230105134146.ltd		-- C180
			-- C270

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Product data:

Type No.\Make

1 9 x  **Kingfisher Lighting Ltd**
Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

2 5 x  **Kingfisher Lighting Ltd**
Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 11120 lm (100.0 %)

5 11 x  **Kingfisher Lighting Ltd**
Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
Luminaire name : Viva City Pro
Equipment : 1 x Philips 5050 80 W / 11040 lm
Emergency : 2760 lm (25.0 %)

3 7 x  **Thorn**
Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

4 503 x  **Tryka LED Ltd**
Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

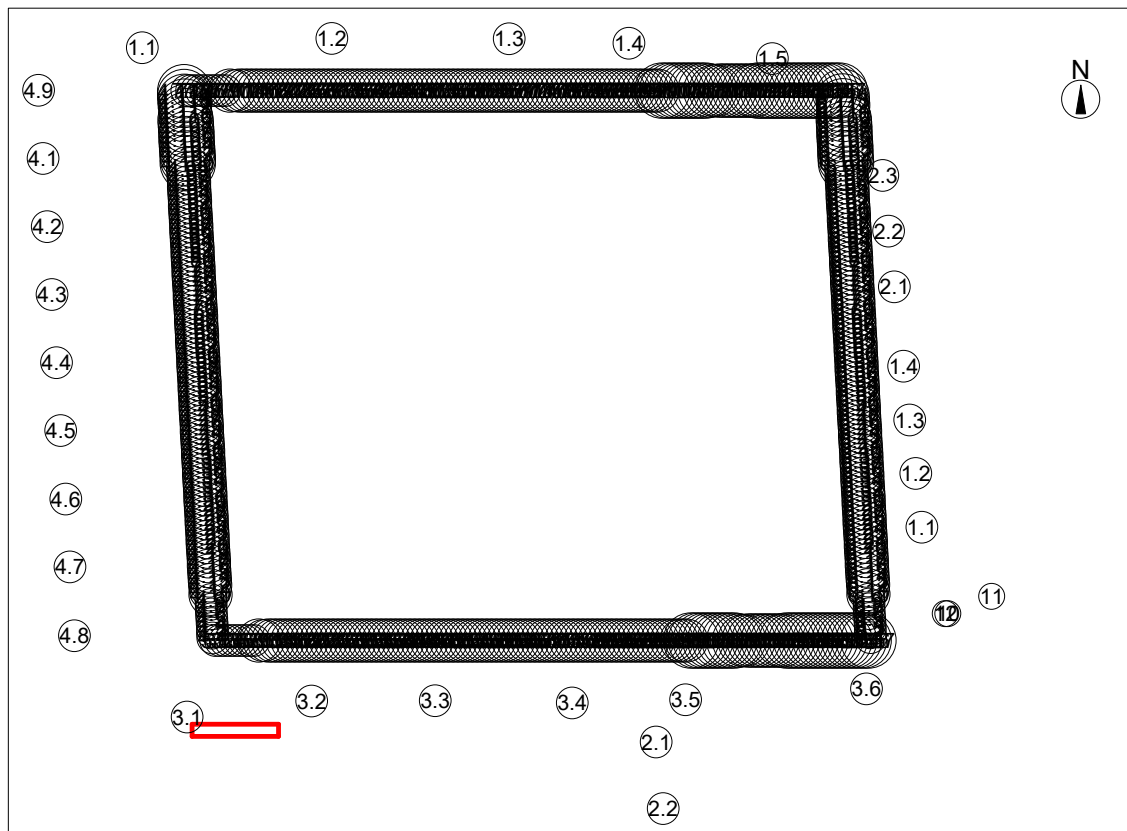
Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Floor with luminaire and sensor positions:



Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

No.	Centre point			Rotation angle			Target coordinates		
	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
Kingfisher Lighting Ltd EC1 80w LED Viva City Pro 4000k 800mA with AY70									
Optic									
3.1	14.45	277.02	6.00	90.00	0.00	0.00	14.45	278.41	0.00
3.2	40.39	280.32	6.00	90.00	0.00	0.00	40.39	281.70	0.00
3.3	66.15	280.41	6.00	90.00	0.00	0.00	66.15	281.80	0.00
3.4	94.70	279.92	6.00	90.00	0.00	0.00	94.70	281.31	0.00
3.5	118.32	280.58	6.00	90.00	0.00	0.00	118.32	281.96	0.00
3.6	155.98	282.88	6.00	90.00	0.00	0.00	155.98	284.27	0.00
12	172.38	298.55	6.00	180.00	0.00	0.00	171.00	298.55	0.00
10	172.90	298.55	6.00	0.00	0.00	0.00	174.09	298.55	0.85
11	182.04	302.11	6.00	90.00	0.00	0.00	182.04	303.50	0.00
Kingfisher Lighting Ltd EC1 80w LED Viva City Pro 4000k 800mA with AY70									
Optic									
1.1	5.11	416.40	1.30	272.68	0.00	0.00	5.10	416.10	0.00
1.2	44.61	418.34	1.30	270.00	0.00	0.00	44.60	418.00	0.00
1.3	81.56	418.27	1.30	270.00	0.00	0.00	81.60	418.00	0.00
1.4	106.48	417.36	1.30	267.00	0.00	0.00	106.50	417.10	0.00
1.5	136.34	414.14	1.30	255.00	0.00	0.00	136.30	413.90	0.00
Kingfisher Lighting Ltd Viva City Pro 80w LED Viva City Pro 4000k 800mA with FW70 Optic									
E 4.1	-15.57	393.35	1.80	0.00	0.00	0.00	-3.86	393.35	-4.16
E 4.2	-14.66	379.15	2.30	0.00	0.00	0.00	-3.14	379.15	-3.57
E 4.3	-13.65	365.02	3.00	0.00	0.00	0.00	-1.93	365.02	-2.97
E 4.4	-12.75	350.79	3.60	0.00	0.00	0.00	-1.02	350.79	-2.38
E 4.5	-11.84	336.66	4.20	0.00	0.00	0.00	-0.10	336.66	-1.78
E 4.6	-10.84	322.43	4.90	0.00	0.00	0.00	1.10	322.43	-1.18
E 4.7	-9.93	308.30	5.50	0.00	0.00	0.00	2.02	308.30	-0.59
E 4.8	-8.99	293.93	6.00	0.00	0.00	0.00	2.76	293.93	0.01
E 4.9	-16.47	407.51	1.20	0.00	0.00	0.00	-4.78	407.51	-4.76
E 2.1	112.14	271.82	6.00	186.47	0.00	0.00	100.83	270.54	0.20
E 2.2	113.65	257.93	6.00	185.58	0.00	0.00	102.45	256.83	0.26
Thorn PIAZZA II LED 1690-840 HF ANT [STD] 9666256									
1.1	167.37	316.49	2.75	186.44	0.00	0.00	165.07	316.23	0.00
1.2	166.12	327.69	2.75	186.44	0.00	0.00	163.82	327.43	0.00
1.3	164.87	338.89	2.75	186.44	0.00	0.00	162.57	338.63	0.00
1.4	163.62	350.08	2.75	186.44	0.00	0.00	161.33	349.83	0.00
2.1	161.65	366.56	2.75	186.44	0.00	0.00	159.35	366.30	0.00
2.2	160.47	378.18	2.75	186.44	0.00	0.00	158.18	377.93	0.00
2.3	159.29	389.81	2.75	186.44	0.00	0.00	156.99	389.55	0.00
Tryka LED Ltd Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w									
Clear Glass Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass									
E 4.1	19.81	293.47	2.98	3.00	0.00	0.00	19.81	293.47	0.00
E 4.2	19.76	294.47	2.98	3.00	0.00	0.00	19.76	294.47	0.00
E 4.3	19.71	295.47	2.98	3.00	0.00	0.00	19.71	295.47	0.00
E 4.4	19.66	296.46	2.98	3.00	0.00	0.00	19.66	296.46	0.00
E 4.5	19.60	297.46	2.98	3.00	0.00	0.00	19.60	297.46	0.00
E 4.6	19.55	298.46	2.98	3.00	0.00	0.00	19.55	298.46	0.00
E 4.7	19.50	299.46	2.98	3.00	0.00	0.00	19.50	299.46	0.00
E 4.8	19.45	300.46	2.98	3.00	0.00	0.00	19.45	300.46	0.00
E 4.9	19.40	301.46	2.98	3.00	0.00	0.00	19.40	301.46	0.00
E 4.10	19.34	302.46	2.98	3.00	0.00	0.00	19.34	302.46	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 4.11	19.29	303.46	2.98	3.00	0.00	0.00	19.29	303.45	0.00
E 4.12	19.24	304.45	2.98	3.00	0.00	0.00	19.24	304.45	0.00
E 4.13	19.19	305.45	2.98	3.00	0.00	0.00	19.19	305.45	0.00
E 4.14	19.13	306.45	2.98	3.00	0.00	0.00	19.13	306.45	0.00
E 4.15	19.08	307.45	2.98	3.00	0.00	0.00	19.08	307.45	0.00
E 4.16	19.03	308.45	2.98	3.00	0.00	0.00	19.03	308.45	0.00
E 4.17	18.98	309.45	2.98	3.00	0.00	0.00	18.98	309.45	0.00
E 4.18	18.92	310.45	2.98	3.00	0.00	0.00	18.92	310.45	0.00
E 4.19	18.87	311.44	2.98	3.00	0.00	0.00	18.87	311.44	0.00
E 4.20	18.82	312.44	2.98	3.00	0.00	0.00	18.82	312.44	0.00
E 4.21	18.77	313.44	2.98	3.00	0.00	0.00	18.77	313.44	0.00
E 4.22	18.71	314.44	2.98	3.00	0.00	0.00	18.72	314.44	0.00
E 4.23	18.66	315.44	2.98	3.00	0.00	0.00	18.66	315.44	0.00
E 4.24	18.61	316.44	2.98	3.00	0.00	0.00	18.61	316.44	0.00
E 4.25	18.56	317.44	2.98	3.00	0.00	0.00	18.56	317.44	0.00
E 4.26	18.51	318.43	2.98	3.00	0.00	0.00	18.50	318.43	0.00
E 4.27	18.45	319.43	2.98	3.00	0.00	0.00	18.45	319.43	0.00
E 4.28	18.40	320.43	2.98	3.00	0.00	0.00	18.40	320.43	0.00
E 4.29	18.35	321.43	2.98	3.00	0.00	0.00	18.35	321.43	0.00
E 4.30	18.30	322.43	2.98	3.00	0.00	0.00	18.30	322.43	0.00
E 4.31	18.24	323.43	2.98	3.00	0.00	0.00	18.24	323.43	0.00
E 4.32	18.19	324.43	2.98	3.00	0.00	0.00	18.19	324.43	0.00
E 4.33	18.14	325.43	2.98	3.00	0.00	0.00	18.14	325.42	0.00
E 4.34	18.09	326.42	2.98	3.00	0.00	0.00	18.09	326.42	0.00
E 4.35	18.03	327.42	2.98	3.00	0.00	0.00	18.03	327.42	0.00
E 4.36	17.98	328.42	2.98	3.00	0.00	0.00	17.98	328.42	0.00
E 4.37	17.93	329.42	2.98	3.00	0.00	0.00	17.93	329.42	0.00
E 4.38	17.88	330.42	2.98	3.00	0.00	0.00	17.88	330.42	0.00
E 4.39	17.82	331.42	2.98	3.00	0.00	0.00	17.82	331.42	0.00
E 4.40	17.77	332.42	2.98	3.00	0.00	0.00	17.77	332.42	0.00
E 4.41	17.72	333.41	2.98	3.00	0.00	0.00	17.72	333.41	0.00
E 4.42	17.67	334.41	2.98	3.00	0.00	0.00	17.67	334.41	0.00
E 4.43	17.61	335.41	2.98	3.00	0.00	0.00	17.61	335.41	0.00
E 4.44	17.56	336.41	2.98	3.00	0.00	0.00	17.56	336.41	0.00
E 4.45	17.51	337.41	2.98	3.00	0.00	0.00	17.51	337.41	0.00
E 4.46	17.46	338.41	2.98	3.00	0.00	0.00	17.46	338.41	0.00
E 4.47	17.41	339.41	2.98	3.00	0.00	0.00	17.41	339.41	0.00
E 4.48	17.35	340.40	2.98	3.00	0.00	0.00	17.35	340.40	0.00
E 4.49	17.30	341.40	2.98	3.00	0.00	0.00	17.30	341.40	0.00
E 4.50	17.25	342.40	2.98	3.00	0.00	0.00	17.25	342.40	0.00
E 4.51	17.20	343.40	2.98	3.00	0.00	0.00	17.20	343.40	0.00
E 4.52	17.14	344.40	2.98	3.00	0.00	0.00	17.14	344.40	0.00
E 4.53	17.09	345.40	2.98	3.00	0.00	0.00	17.09	345.40	0.00
E 4.54	17.04	346.40	2.98	3.00	0.00	0.00	17.04	346.40	0.00
E 4.55	16.99	347.39	2.98	3.00	0.00	0.00	16.99	347.39	0.00
E 4.56	16.93	348.39	2.98	3.00	0.00	0.00	16.93	348.39	0.00
E 4.57	16.88	349.39	2.98	3.00	0.00	0.00	16.88	349.39	0.00
E 4.58	16.83	350.39	2.98	3.00	0.00	0.00	16.83	350.39	0.00
E 4.59	16.78	351.39	2.98	3.00	0.00	0.00	16.78	351.39	0.00
E 4.60	16.72	352.39	2.98	3.00	0.00	0.00	16.73	352.39	0.00
E 4.61	16.67	353.39	2.98	3.00	0.00	0.00	16.67	353.39	0.00
E 4.62	16.62	354.39	2.98	3.00	0.00	0.00	16.62	354.39	0.00
E 4.63	16.57	355.38	2.98	3.00	0.00	0.00	16.57	355.38	0.00
E 4.64	16.52	356.38	2.98	3.00	0.00	0.00	16.51	356.38	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 4.65	16.46	357.38	2.98	3.00	0.00	0.00	16.46	357.38	0.00
E 4.66	16.41	358.38	2.98	3.00	0.00	0.00	16.41	358.38	0.00
E 4.67	16.36	359.38	2.98	3.00	0.00	0.00	16.36	359.38	0.00
E 4.68	16.31	360.38	2.98	3.00	0.00	0.00	16.31	360.38	0.00
E 4.69	16.25	361.38	2.98	3.00	0.00	0.00	16.25	361.38	0.00
E 4.70	16.20	362.37	2.98	3.00	0.00	0.00	16.20	362.37	0.00
E 4.71	16.15	363.37	2.98	3.00	0.00	0.00	16.15	363.37	0.00
E 4.72	16.10	364.37	2.98	3.00	0.00	0.00	16.10	364.37	0.00
E 4.73	16.04	365.37	2.98	3.00	0.00	0.00	16.04	365.37	0.00
E 4.74	15.99	366.37	2.98	3.00	0.00	0.00	15.99	366.37	0.00
E 4.75	15.94	367.37	2.98	3.00	0.00	0.00	15.94	367.37	0.00
E 4.76	15.89	368.37	2.98	3.00	0.00	0.00	15.89	368.37	0.00
E 4.77	15.83	369.36	2.98	3.00	0.00	0.00	15.84	369.36	0.00
E 4.78	15.78	370.36	2.98	3.00	0.00	0.00	15.78	370.36	0.00
E 4.79	15.73	371.36	2.98	3.00	0.00	0.00	15.73	371.36	0.00
E 4.80	15.68	372.36	2.98	3.00	0.00	0.00	15.68	372.36	0.00
E 4.81	15.63	373.36	2.98	3.00	0.00	0.00	15.63	373.36	0.00
E 4.82	15.57	374.36	2.98	3.00	0.00	0.00	15.57	374.36	0.00
E 4.83	15.52	375.36	2.98	3.00	0.00	0.00	15.52	375.36	0.00
E 4.84	15.47	376.36	2.98	3.00	0.00	0.00	15.47	376.36	0.00
E 4.85	15.42	377.35	2.98	3.00	0.00	0.00	15.42	377.35	0.00
E 4.86	15.36	378.35	2.98	3.00	0.00	0.00	15.36	378.35	0.00
E 4.87	15.31	379.35	2.98	3.00	0.00	0.00	15.31	379.35	0.00
E 4.88	15.26	380.35	2.98	3.00	0.00	0.00	15.26	380.35	0.00
E 4.89	15.21	381.35	2.98	3.00	0.00	0.00	15.21	381.35	0.00
E 4.90	15.15	382.35	2.98	3.00	0.00	0.00	15.15	382.35	0.00
E 4.91	15.10	383.35	2.98	3.00	0.00	0.00	15.10	383.35	0.00
E 4.92	15.05	384.34	2.98	3.00	0.00	0.00	15.05	384.34	0.00
E 4.93	15.00	385.34	2.98	3.00	0.00	0.00	15.00	385.34	0.00
E 4.94	14.94	386.34	2.98	3.00	0.00	0.00	14.94	386.34	0.00
E 4.95	14.89	387.34	2.98	3.00	0.00	0.00	14.89	387.34	0.00
E 4.96	14.84	388.34	2.98	3.00	0.00	0.00	14.84	388.34	0.00
E 4.97	14.79	389.34	2.98	3.00	0.00	0.00	14.79	389.34	0.00
E 4.98	14.74	390.34	2.98	3.00	0.00	0.00	14.73	390.34	0.00
E 4.99	14.68	391.33	2.98	3.00	0.00	0.00	14.68	391.33	0.00
E 4.100	14.63	392.33	2.98	3.00	0.00	0.00	14.63	392.33	0.00
E 4.101	14.58	393.33	2.98	3.00	0.00	0.00	14.58	393.33	0.00
E 4.102	14.53	394.33	2.98	3.00	0.00	0.00	14.53	394.33	0.00
E 4.103	14.47	395.33	2.98	3.00	0.00	0.00	14.47	395.33	0.00
E 4.104	14.42	396.33	2.98	3.00	0.00	0.00	14.42	396.33	0.00
E 4.105	14.37	397.33	2.98	3.00	0.00	0.00	14.37	397.33	0.00
E 4.106	14.32	398.32	2.98	3.00	0.00	0.00	14.32	398.33	0.00
E 4.107	14.26	399.32	2.98	3.00	0.00	0.00	14.26	399.32	0.00
E 4.108	14.21	400.32	2.98	3.00	0.00	0.00	14.21	400.32	0.00
E 4.109	14.16	401.32	2.98	3.00	0.00	0.00	14.16	401.32	0.00
E 4.110	14.11	402.32	2.98	3.00	0.00	0.00	14.11	402.32	0.00
E 4.111	14.05	403.32	2.98	3.00	0.00	0.00	14.05	403.32	0.00
E 4.112	14.00	404.32	2.98	3.00	0.00	0.00	14.00	404.32	0.00
E 4.113	13.95	405.32	2.98	3.00	0.00	0.00	13.95	405.32	0.00
E 4.114	13.90	406.31	2.98	3.00	0.00	0.00	13.90	406.31	0.00
E 4.115	13.84	407.31	2.98	3.00	0.00	0.00	13.85	407.31	0.00
E 5.1	20.40	292.93	2.98	270.00	0.00	0.00	20.40	292.93	0.00
E 5.2	21.40	292.93	2.98	270.00	0.00	0.00	21.40	292.93	0.00
E 5.3	22.40	292.93	2.98	270.00	0.00	0.00	22.40	292.93	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 5.4	23.40	292.93	2.98	270.00	0.00	0.00	23.40	292.93	0.00
E 5.5	24.40	292.93	2.98	270.00	0.00	0.00	24.40	292.93	0.00
E 5.6	25.40	292.93	2.98	270.00	0.00	0.00	25.40	292.93	0.00
E 5.7	26.40	292.93	2.98	270.00	0.00	0.00	26.40	292.93	0.00
E 5.8	27.40	292.93	2.98	270.00	0.00	0.00	27.40	292.93	0.00
E 5.9	28.40	292.93	2.98	270.00	0.00	0.00	28.40	292.93	0.00
E 5.10	29.40	292.93	2.98	270.00	0.00	0.00	29.40	292.93	0.00
E 5.11	30.40	292.93	2.98	270.00	0.00	0.00	30.40	292.93	0.00
E 5.12	31.40	292.93	2.98	270.00	0.00	0.00	31.40	292.92	0.00
E 5.13	32.40	292.93	2.98	270.00	0.00	0.00	32.40	292.92	0.00
E 5.14	33.40	292.93	2.98	270.00	0.00	0.00	33.40	292.92	0.00
E 5.15	34.40	292.93	2.98	270.00	0.00	0.00	34.40	292.92	0.00
E 5.16	35.40	292.92	2.98	270.00	0.00	0.00	35.40	292.92	0.00
E 5.17	36.40	292.92	2.98	270.00	0.00	0.00	36.40	292.92	0.00
E 5.18	37.40	292.92	2.98	270.00	0.00	0.00	37.40	292.92	0.00
E 5.19	38.40	292.92	2.98	270.00	0.00	0.00	38.40	292.92	0.00
E 5.20	39.40	292.92	2.98	270.00	0.00	0.00	39.40	292.92	0.00
E 5.21	40.40	292.92	2.98	270.00	0.00	0.00	40.40	292.92	0.00
E 5.22	41.40	292.92	2.98	270.00	0.00	0.00	41.40	292.92	0.00
E 5.23	42.40	292.92	2.98	270.00	0.00	0.00	42.40	292.92	0.00
E 5.24	43.40	292.92	2.98	270.00	0.00	0.00	43.40	292.92	0.00
E 5.25	44.40	292.92	2.98	270.00	0.00	0.00	44.40	292.92	0.00
E 5.26	45.40	292.92	2.98	270.00	0.00	0.00	45.40	292.92	0.00
E 5.27	46.40	292.92	2.98	270.00	0.00	0.00	46.40	292.92	0.00
E 5.28	47.40	292.92	2.98	270.00	0.00	0.00	47.40	292.92	0.00
E 5.29	48.40	292.92	2.98	270.00	0.00	0.00	48.40	292.92	0.00
E 5.30	49.40	292.92	2.98	270.00	0.00	0.00	49.40	292.92	0.00
E 5.31	50.40	292.92	2.98	270.00	0.00	0.00	50.40	292.92	0.00
E 5.32	51.40	292.92	2.98	270.00	0.00	0.00	51.40	292.92	0.00
E 5.33	52.40	292.92	2.98	270.00	0.00	0.00	52.40	292.92	0.00
E 5.34	53.40	292.92	2.98	270.00	0.00	0.00	53.40	292.92	0.00
E 5.35	54.40	292.92	2.98	270.00	0.00	0.00	54.40	292.92	0.00
E 5.36	55.40	292.92	2.98	270.00	0.00	0.00	55.40	292.92	0.00
E 5.37	56.40	292.92	2.98	270.00	0.00	0.00	56.40	292.92	0.00
E 5.38	57.40	292.92	2.98	270.00	0.00	0.00	57.40	292.92	0.00
E 5.39	58.40	292.92	2.98	270.00	0.00	0.00	58.40	292.92	0.00
E 5.40	59.40	292.92	2.98	270.00	0.00	0.00	59.40	292.92	0.00
E 5.41	60.40	292.92	2.98	270.00	0.00	0.00	60.40	292.92	0.00
E 5.42	61.40	292.92	2.98	270.00	0.00	0.00	61.40	292.92	0.00
E 5.43	62.40	292.92	2.98	270.00	0.00	0.00	62.40	292.92	0.00
E 5.44	63.40	292.92	2.98	270.00	0.00	0.00	63.40	292.92	0.00
E 5.45	64.40	292.92	2.98	270.00	0.00	0.00	64.40	292.92	0.00
E 5.46	65.40	292.92	2.98	270.00	0.00	0.00	65.40	292.92	0.00
E 5.47	66.40	292.92	2.98	270.00	0.00	0.00	66.40	292.92	0.00
E 5.48	67.40	292.92	2.98	270.00	0.00	0.00	67.40	292.92	0.00
E 5.49	68.40	292.92	2.98	270.00	0.00	0.00	68.40	292.92	0.00
E 5.50	69.40	292.92	2.98	270.00	0.00	0.00	69.40	292.92	0.00
E 5.51	70.40	292.92	2.98	270.00	0.00	0.00	70.40	292.92	0.00
E 5.52	71.40	292.92	2.98	270.00	0.00	0.00	71.40	292.92	0.00
E 5.53	72.40	292.92	2.98	270.00	0.00	0.00	72.40	292.92	0.00
E 5.54	73.40	292.92	2.98	270.00	0.00	0.00	73.40	292.92	0.00
E 5.55	74.40	292.92	2.98	270.00	0.00	0.00	74.40	292.92	0.00
E 5.56	75.40	292.92	2.98	270.00	0.00	0.00	75.40	292.92	0.00
E 5.57	76.40	292.92	2.98	270.00	0.00	0.00	76.40	292.92	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 5.58	77.40	292.92	2.98	270.00	0.00	0.00	77.40	292.92	0.00
E 5.59	78.40	292.92	2.98	270.00	0.00	0.00	78.40	292.92	0.00
E 5.60	79.40	292.92	2.98	270.00	0.00	0.00	79.40	292.92	0.00
E 5.61	80.40	292.92	2.98	270.00	0.00	0.00	80.40	292.92	0.00
E 5.62	81.40	292.92	2.98	270.00	0.00	0.00	81.40	292.92	0.00
E 5.63	82.40	292.92	2.98	270.00	0.00	0.00	82.40	292.92	0.00
E 5.64	83.40	292.92	2.98	270.00	0.00	0.00	83.40	292.92	0.00
E 5.65	84.40	292.92	2.98	270.00	0.00	0.00	84.40	292.92	0.00
E 5.66	85.40	292.92	2.98	270.00	0.00	0.00	85.40	292.92	0.00
E 5.67	86.40	292.92	2.98	270.00	0.00	0.00	86.40	292.92	0.00
E 5.68	87.40	292.92	2.98	270.00	0.00	0.00	87.40	292.92	0.00
E 5.69	88.40	292.92	2.98	270.00	0.00	0.00	88.40	292.92	0.00
E 5.70	89.40	292.92	2.98	270.00	0.00	0.00	89.40	292.92	0.00
E 5.71	90.40	292.92	2.98	270.00	0.00	0.00	90.40	292.92	0.00
E 5.72	91.40	292.92	2.98	270.00	0.00	0.00	91.40	292.92	0.00
E 5.73	92.40	292.92	2.98	270.00	0.00	0.00	92.40	292.92	0.00
E 5.74	93.40	292.92	2.98	270.00	0.00	0.00	93.40	292.92	0.00
E 5.75	94.40	292.92	2.98	270.00	0.00	0.00	94.40	292.92	0.00
E 5.76	95.40	292.92	2.98	270.00	0.00	0.00	95.40	292.92	0.00
E 5.77	96.40	292.92	2.98	270.00	0.00	0.00	96.40	292.92	0.00
E 5.78	97.40	292.92	2.98	270.00	0.00	0.00	97.40	292.92	0.00
E 5.79	98.40	292.92	2.98	270.00	0.00	0.00	98.40	292.92	0.00
E 5.80	99.40	292.92	2.98	270.00	0.00	0.00	99.40	292.92	0.00
E 5.81	100.40	292.92	2.98	270.00	0.00	0.00	100.40	292.92	0.00
E 5.82	101.40	292.92	2.98	270.00	0.00	0.00	101.40	292.92	0.00
E 5.83	102.40	292.92	2.98	270.00	0.00	0.00	102.40	292.92	0.00
E 5.84	103.40	292.92	2.98	270.00	0.00	0.00	103.40	292.92	0.00
E 5.85	104.40	292.92	2.98	270.00	0.00	0.00	104.40	292.92	0.00
E 5.86	105.40	292.92	2.98	270.00	0.00	0.00	105.40	292.92	0.00
E 5.87	106.40	292.92	2.98	270.00	0.00	0.00	106.40	292.92	0.00
E 5.88	107.40	292.92	2.98	270.00	0.00	0.00	107.40	292.92	0.00
E 5.89	108.40	292.92	2.98	270.00	0.00	0.00	108.40	292.92	0.00
E 5.90	109.40	292.92	2.98	270.00	0.00	0.00	109.40	292.92	0.00
E 5.91	110.40	292.92	2.98	270.00	0.00	0.00	110.40	292.92	0.00
E 5.92	111.40	292.92	2.98	270.00	0.00	0.00	111.40	292.92	0.00
E 5.93	112.40	292.92	2.98	270.00	0.00	0.00	112.40	292.92	0.00
E 5.94	113.40	292.92	2.98	270.00	0.00	0.00	113.40	292.92	0.00
E 5.95	114.40	292.92	2.98	270.00	0.00	0.00	114.40	292.92	0.00
E 5.96	115.40	292.92	2.98	270.00	0.00	0.00	115.40	292.92	0.00
E 5.97	116.40	292.92	2.98	270.00	0.00	0.00	116.40	292.92	0.00
E 5.98	117.40	292.92	2.98	270.00	0.00	0.00	117.40	292.92	0.00
E 5.99	118.40	292.92	2.98	270.00	0.00	0.00	118.40	292.92	0.00
E 5.100	119.40	292.91	2.98	270.00	0.00	0.00	119.40	292.92	0.00
E 5.101	120.40	292.91	2.98	270.00	0.00	0.00	120.40	292.92	0.00
E 5.102	121.40	292.91	2.98	270.00	0.00	0.00	121.40	292.92	0.00
E 5.103	122.40	292.91	2.98	270.00	0.00	0.00	122.40	292.92	0.00
E 5.104	123.40	292.91	2.98	270.00	0.00	0.00	123.40	292.91	0.00
E 5.105	124.40	292.91	2.98	270.00	0.00	0.00	124.40	292.91	0.00
E 5.106	125.40	292.91	2.98	270.00	0.00	0.00	125.40	292.91	0.00
E 5.107	126.40	292.91	2.98	270.00	0.00	0.00	126.40	292.91	0.00
E 5.108	127.40	292.91	2.98	270.00	0.00	0.00	127.40	292.91	0.00
E 5.109	128.40	292.91	2.98	270.00	0.00	0.00	128.40	292.91	0.00
E 5.110	129.40	292.91	2.98	270.00	0.00	0.00	129.40	292.91	0.00
E 5.111	130.40	292.91	2.98	270.00	0.00	0.00	130.40	292.91	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 5.112	131.40	292.91	2.98	270.00	0.00	0.00	131.40	292.91	0.00
E 5.113	132.40	292.91	2.98	270.00	0.00	0.00	132.40	292.91	0.00
E 5.114	133.40	292.91	2.98	270.00	0.00	0.00	133.40	292.91	0.00
E 5.115	134.40	292.91	2.98	270.00	0.00	0.00	134.40	292.91	0.00
E 5.116	135.40	292.91	2.98	270.00	0.00	0.00	135.40	292.91	0.00
E 5.117	136.40	292.91	2.98	270.00	0.00	0.00	136.40	292.91	0.00
E 5.118	137.40	292.91	2.98	270.00	0.00	0.00	137.40	292.91	0.00
E 5.119	138.40	292.91	2.98	270.00	0.00	0.00	138.40	292.91	0.00
E 5.120	139.40	292.91	2.98	270.00	0.00	0.00	139.40	292.91	0.85
E 5.121	140.40	292.91	2.98	270.00	0.00	0.00	140.40	292.91	0.85
E 5.122	141.40	292.91	2.98	270.00	0.00	0.00	141.40	292.91	0.85
E 5.123	142.40	292.91	2.98	270.00	0.00	0.00	142.40	292.91	0.00
E 5.124	143.40	292.91	2.98	270.00	0.00	0.00	143.40	292.91	0.00
E 5.125	144.40	292.91	2.98	270.00	0.00	0.00	144.40	292.91	0.00
E 5.126	145.40	292.91	2.98	270.00	0.00	0.00	145.40	292.91	0.00
E 5.127	146.40	292.91	2.98	270.00	0.00	0.00	146.40	292.91	0.00
E 5.128	147.40	292.91	2.98	270.00	0.00	0.00	147.40	292.91	0.00
E 5.129	148.40	292.91	2.98	270.00	0.00	0.00	148.40	292.91	0.00
E 5.130	149.40	292.91	2.98	270.00	0.00	0.00	149.40	292.91	0.00
E 5.131	150.40	292.91	2.98	270.00	0.00	0.00	150.40	292.91	0.00
E 5.132	151.40	292.91	2.98	270.00	0.00	0.00	151.40	292.91	0.00
E 5.133	152.40	292.91	2.98	270.00	0.00	0.00	152.40	292.91	0.00
E 5.134	153.40	292.91	2.98	270.00	0.00	0.00	153.40	292.91	0.00
E 5.135	154.40	292.91	2.98	270.00	0.00	0.00	154.40	292.91	0.00
E 5.136	155.40	292.91	2.98	270.00	0.00	0.00	155.40	292.91	0.00
E 5.137	156.40	292.91	2.98	270.00	0.00	0.00	156.40	292.91	0.00
E 6.1	156.85	293.56	2.99	3.00	0.00	0.00	156.85	293.56	0.00
E 6.2	156.79	294.56	2.99	3.00	0.00	0.00	156.79	294.56	0.00
E 6.3	156.74	295.56	2.99	3.00	0.00	0.00	156.74	295.56	0.00
E 6.4	156.69	296.56	2.99	3.00	0.00	0.00	156.69	296.56	0.00
E 6.5	156.64	297.56	2.99	3.00	0.00	0.00	156.64	297.56	0.00
E 6.6	156.59	298.55	2.99	3.00	0.00	0.00	156.59	298.55	0.00
E 6.7	156.54	299.55	2.99	3.00	0.00	0.00	156.54	299.55	0.00
E 6.8	156.48	300.55	2.99	3.00	0.00	0.00	156.48	300.55	0.00
E 6.9	156.43	301.55	2.99	3.00	0.00	0.00	156.43	301.55	0.00
E 6.10	156.38	302.55	2.99	3.00	0.00	0.00	156.38	302.55	0.00
E 6.11	156.33	303.55	2.99	3.00	0.00	0.00	156.33	303.55	0.00
E 6.12	156.28	304.55	2.99	3.00	0.00	0.00	156.27	304.55	0.00
E 6.13	156.22	305.54	2.99	3.00	0.00	0.00	156.22	305.55	0.00
E 6.14	156.17	306.54	2.99	3.00	0.00	0.00	156.17	306.54	0.00
E 6.15	156.12	307.54	2.99	3.00	0.00	0.00	156.12	307.54	0.00
E 6.16	156.07	308.54	2.99	3.00	0.00	0.00	156.07	308.54	0.00
E 6.17	156.02	309.54	2.99	3.00	0.00	0.00	156.01	309.54	0.00
E 6.18	155.96	310.54	2.99	3.00	0.00	0.00	155.96	310.54	0.00
E 6.19	155.91	311.54	2.99	3.00	0.00	0.00	155.91	311.54	0.00
E 6.20	155.86	312.54	2.99	3.00	0.00	0.00	155.86	312.54	0.00
E 6.21	155.81	313.53	2.99	3.00	0.00	0.00	155.81	313.53	0.00
E 6.22	155.76	314.53	2.99	3.00	0.00	0.00	155.76	314.53	0.00
E 6.23	155.70	315.53	2.99	3.00	0.00	0.00	155.70	315.53	0.00
E 6.24	155.65	316.53	2.99	3.00	0.00	0.00	155.65	316.53	0.00
E 6.25	155.60	317.53	2.99	3.00	0.00	0.00	155.60	317.53	0.00
E 6.26	155.55	318.53	2.99	3.00	0.00	0.00	155.55	318.53	0.00
E 6.27	155.50	319.53	2.99	3.00	0.00	0.00	155.50	319.53	0.00
E 6.28	155.44	320.52	2.99	3.00	0.00	0.00	155.44	320.52	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 6.29	155.39	321.52	2.99	3.00	0.00	0.00	155.39	321.52	0.00
E 6.30	155.34	322.52	2.99	3.00	0.00	0.00	155.34	322.52	0.00
E 6.31	155.29	323.52	2.99	3.00	0.00	0.00	155.29	323.52	0.00
E 6.32	155.24	324.52	2.99	3.00	0.00	0.00	155.24	324.52	0.00
E 6.33	155.18	325.52	2.99	3.00	0.00	0.00	155.18	325.52	0.00
E 6.34	155.13	326.52	2.99	3.00	0.00	0.00	155.13	326.52	0.00
E 6.35	155.08	327.52	2.99	3.00	0.00	0.00	155.08	327.52	0.00
E 6.36	155.03	328.51	2.99	3.00	0.00	0.00	155.03	328.51	0.00
E 6.37	154.98	329.51	2.99	3.00	0.00	0.00	154.98	329.51	0.00
E 6.38	154.92	330.51	2.99	3.00	0.00	0.00	154.92	330.51	0.00
E 6.39	154.87	331.51	2.99	3.00	0.00	0.00	154.87	331.51	0.00
E 6.40	154.82	332.51	2.99	3.00	0.00	0.00	154.82	332.51	0.00
E 6.41	154.77	333.51	2.99	3.00	0.00	0.00	154.77	333.51	0.00
E 6.42	154.72	334.51	2.99	3.00	0.00	0.00	154.72	334.51	0.00
E 6.43	154.66	335.50	2.99	3.00	0.00	0.00	154.66	335.50	0.00
E 6.44	154.61	336.50	2.99	3.00	0.00	0.00	154.61	336.50	0.00
E 6.45	154.56	337.50	2.99	3.00	0.00	0.00	154.56	337.50	0.00
E 6.46	154.51	338.50	2.99	3.00	0.00	0.00	154.51	338.50	0.00
E 6.47	154.46	339.50	2.99	3.00	0.00	0.00	154.46	339.50	0.00
E 6.48	154.40	340.50	2.99	3.00	0.00	0.00	154.40	340.50	0.00
E 6.49	154.35	341.50	2.99	3.00	0.00	0.00	154.35	341.50	0.00
E 6.50	154.30	342.49	2.99	3.00	0.00	0.00	154.30	342.49	0.00
E 6.51	154.25	343.49	2.99	3.00	0.00	0.00	154.25	343.49	0.00
E 6.52	154.20	344.49	2.99	3.00	0.00	0.00	154.20	344.49	0.00
E 6.53	154.14	345.49	2.99	3.00	0.00	0.00	154.14	345.49	0.00
E 6.54	154.09	346.49	2.99	3.00	0.00	0.00	154.09	346.49	0.00
E 6.55	154.04	347.49	2.99	3.00	0.00	0.00	154.04	347.49	0.00
E 6.56	153.99	348.49	2.99	3.00	0.00	0.00	153.99	348.49	0.00
E 6.57	153.94	349.49	2.99	3.00	0.00	0.00	153.94	349.49	0.00
E 6.58	153.88	350.48	2.99	3.00	0.00	0.00	153.88	350.48	0.00
E 6.59	153.83	351.48	2.99	3.00	0.00	0.00	153.83	351.48	0.00
E 6.60	153.78	352.48	2.99	3.00	0.00	0.00	153.78	352.48	0.00
E 6.61	153.73	353.48	2.99	3.00	0.00	0.00	153.73	353.48	0.00
E 6.62	153.68	354.48	2.99	3.00	0.00	0.00	153.68	354.48	0.00
E 6.63	153.62	355.48	2.99	3.00	0.00	0.00	153.63	355.48	0.00
E 6.64	153.57	356.48	2.99	3.00	0.00	0.00	153.57	356.48	0.00
E 6.65	153.52	357.47	2.99	3.00	0.00	0.00	153.52	357.48	0.00
E 6.66	153.47	358.47	2.99	3.00	0.00	0.00	153.47	358.47	0.00
E 6.67	153.42	359.47	2.99	3.00	0.00	0.00	153.42	359.47	0.00
E 6.68	153.36	360.47	2.99	3.00	0.00	0.00	153.37	360.47	0.00
E 6.69	153.31	361.47	2.99	3.00	0.00	0.00	153.31	361.47	0.00
E 6.70	153.26	362.47	2.99	3.00	0.00	0.00	153.26	362.47	0.00
E 6.71	153.21	363.47	2.99	3.00	0.00	0.00	153.21	363.47	0.00
E 6.72	153.16	364.47	2.99	3.00	0.00	0.00	153.16	364.46	0.00
E 6.73	153.11	365.46	2.99	3.00	0.00	0.00	153.10	365.46	0.00
E 6.74	153.05	366.46	2.99	3.00	0.00	0.00	153.05	366.46	0.00
E 6.75	153.00	367.46	2.99	3.00	0.00	0.00	153.00	367.46	0.00
E 6.76	152.95	368.46	2.99	3.00	0.00	0.00	152.95	368.46	0.00
E 6.77	152.90	369.46	2.99	3.00	0.00	0.00	152.90	369.46	0.00
E 6.78	152.85	370.46	2.99	3.00	0.00	0.00	152.85	370.46	0.00
E 6.79	152.79	371.46	2.99	3.00	0.00	0.00	152.79	371.46	0.00
E 6.80	152.74	372.45	2.99	3.00	0.00	0.00	152.74	372.45	0.00
E 6.81	152.69	373.45	2.99	3.00	0.00	0.00	152.69	373.45	0.00
E 6.82	152.64	374.45	2.99	3.00	0.00	0.00	152.64	374.45	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 6.83	152.59	375.45	2.99	3.00	0.00	0.00	152.59	375.45	0.00
E 6.84	152.53	376.45	2.99	3.00	0.00	0.00	152.53	376.45	0.00
E 6.85	152.48	377.45	2.99	3.00	0.00	0.00	152.48	377.45	0.00
E 6.86	152.43	378.45	2.99	3.00	0.00	0.00	152.43	378.45	0.00
E 6.87	152.38	379.44	2.99	3.00	0.00	0.00	152.38	379.45	0.00
E 6.88	152.33	380.44	2.99	3.00	0.00	0.00	152.33	380.44	0.00
E 6.89	152.27	381.44	2.99	3.00	0.00	0.00	152.27	381.44	0.00
E 6.90	152.22	382.44	2.99	3.00	0.00	0.00	152.22	382.44	0.00
E 6.91	152.17	383.44	2.99	3.00	0.00	0.00	152.17	383.44	0.00
E 6.92	152.12	384.44	2.99	3.00	0.00	0.00	152.12	384.44	0.00
E 6.93	152.07	385.44	2.99	3.00	0.00	0.00	152.07	385.44	0.00
E 6.94	152.01	386.44	2.99	3.00	0.00	0.00	152.01	386.44	0.00
E 6.95	151.96	387.43	2.99	3.00	0.00	0.00	151.96	387.43	0.00
E 6.96	151.91	388.43	2.99	3.00	0.00	0.00	151.91	388.43	0.00
E 6.97	151.86	389.43	2.99	3.00	0.00	0.00	151.86	389.43	0.00
E 6.98	151.81	390.43	2.99	3.00	0.00	0.00	151.81	390.43	0.00
E 6.99	151.75	391.43	2.99	3.00	0.00	0.00	151.75	391.43	0.00
E 6.100	151.70	392.43	2.99	3.00	0.00	0.00	151.70	392.43	0.00
E 6.101	151.65	393.43	2.99	3.00	0.00	0.00	151.65	393.43	0.00
E 6.102	151.60	394.42	2.99	3.00	0.00	0.00	151.60	394.42	0.00
E 6.103	151.55	395.42	2.99	3.00	0.00	0.00	151.55	395.42	0.00
E 6.104	151.49	396.42	2.99	3.00	0.00	0.00	151.49	396.42	0.00
E 6.105	151.44	397.42	2.99	3.00	0.00	0.00	151.44	397.42	0.00
E 6.106	151.39	398.42	2.99	3.00	0.00	0.00	151.39	398.42	0.00
E 6.107	151.34	399.42	2.99	3.00	0.00	0.00	151.34	399.42	0.00
E 6.108	151.29	400.42	2.99	3.00	0.00	0.00	151.29	400.42	0.00
E 6.109	151.23	401.42	2.99	3.00	0.00	0.00	151.20	401.40	0.00
E 6.110	151.18	402.41	2.99	3.00	0.00	0.00	151.20	402.40	0.00
E 6.111	151.13	403.41	2.99	3.00	0.00	0.00	151.10	403.40	0.00
E 6.112	151.08	404.41	2.99	3.00	0.00	0.00	151.10	404.40	0.00
E 6.113	151.03	405.41	2.99	3.00	0.00	0.00	151.00	405.40	0.00
E 6.114	150.97	406.41	2.99	3.00	0.00	0.00	151.00	406.40	0.00
E 7.1	14.40	407.49	2.98	270.00	0.00	0.00	14.40	407.48	0.00
E 7.2	15.40	407.49	2.98	270.00	0.00	0.00	15.40	407.48	0.00
E 7.3	16.40	407.49	2.98	270.00	0.00	0.00	16.40	407.48	0.00
E 7.4	17.40	407.49	2.98	270.00	0.00	0.00	17.40	407.48	0.00
E 7.5	18.40	407.48	2.98	270.00	0.00	0.00	18.40	407.48	0.00
E 7.6	19.40	407.48	2.98	270.00	0.00	0.00	19.40	407.48	0.00
E 7.7	20.40	407.48	2.98	270.00	0.00	0.00	20.40	407.48	0.00
E 7.8	21.40	407.48	2.98	270.00	0.00	0.00	21.40	407.48	0.00
E 7.9	22.40	407.48	2.98	270.00	0.00	0.00	22.40	407.48	0.00
E 7.10	23.40	407.48	2.98	270.00	0.00	0.00	23.40	407.48	0.00
E 7.11	24.40	407.48	2.98	270.00	0.00	0.00	24.40	407.48	0.00
E 7.12	25.40	407.48	2.98	270.00	0.00	0.00	25.40	407.48	0.00
E 7.13	26.40	407.48	2.98	270.00	0.00	0.00	26.40	407.48	0.00
E 7.14	27.40	407.48	2.98	270.00	0.00	0.00	27.40	407.48	0.00
E 7.15	28.40	407.48	2.98	270.00	0.00	0.00	28.40	407.48	0.00
E 7.16	29.40	407.48	2.98	270.00	0.00	0.00	29.40	407.48	0.00
E 7.17	30.40	407.48	2.98	270.00	0.00	0.00	30.40	407.48	0.00
E 7.18	31.40	407.48	2.98	270.00	0.00	0.00	31.40	407.48	0.00
E 7.19	32.40	407.48	2.98	270.00	0.00	0.00	32.40	407.48	0.00
E 7.20	33.40	407.48	2.98	270.00	0.00	0.00	33.40	407.48	0.00
E 7.21	34.40	407.48	2.98	270.00	0.00	0.00	34.40	407.48	0.00
E 7.22	35.40	407.48	2.98	270.00	0.00	0.00	35.40	407.48	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.23	36.40	407.48	2.98	270.00	0.00	0.00	36.40	407.48	0.00
E 7.24	37.40	407.48	2.98	270.00	0.00	0.00	37.40	407.48	0.00
E 7.25	38.40	407.48	2.98	270.00	0.00	0.00	38.40	407.48	0.00
E 7.26	39.40	407.48	2.98	270.00	0.00	0.00	39.40	407.48	0.00
E 7.27	40.40	407.48	2.98	270.00	0.00	0.00	40.40	407.48	0.00
E 7.28	41.40	407.48	2.98	270.00	0.00	0.00	41.40	407.48	0.00
E 7.29	42.40	407.48	2.98	270.00	0.00	0.00	42.40	407.48	0.00
E 7.30	43.40	407.48	2.98	270.00	0.00	0.00	43.40	407.48	0.00
E 7.31	44.40	407.48	2.98	270.00	0.00	0.00	44.40	407.48	0.00
E 7.32	45.40	407.48	2.98	270.00	0.00	0.00	45.40	407.48	0.00
E 7.33	46.40	407.48	2.98	270.00	0.00	0.00	46.40	407.48	0.00
E 7.34	47.40	407.48	2.98	270.00	0.00	0.00	47.40	407.48	0.00
E 7.35	48.40	407.48	2.98	270.00	0.00	0.00	48.40	407.48	0.00
E 7.36	49.40	407.48	2.98	270.00	0.00	0.00	49.40	407.48	0.00
E 7.37	50.40	407.48	2.98	270.00	0.00	0.00	50.40	407.48	0.00
E 7.38	51.40	407.48	2.98	270.00	0.00	0.00	51.40	407.48	0.00
E 7.39	52.40	407.48	2.98	270.00	0.00	0.00	52.40	407.48	0.00
E 7.40	53.40	407.48	2.98	270.00	0.00	0.00	53.40	407.48	0.00
E 7.41	54.40	407.48	2.98	270.00	0.00	0.00	54.40	407.50	0.00
E 7.42	55.40	407.48	2.98	270.00	0.00	0.00	55.40	407.50	0.00
E 7.43	56.40	407.48	2.98	270.00	0.00	0.00	56.40	407.50	0.00
E 7.44	57.40	407.48	2.98	270.00	0.00	0.00	57.40	407.50	0.00
E 7.45	58.40	407.48	2.98	270.00	0.00	0.00	58.40	407.50	0.00
E 7.46	59.40	407.48	2.98	270.00	0.00	0.00	59.40	407.50	0.00
E 7.47	60.40	407.48	2.98	270.00	0.00	0.00	60.40	407.50	0.00
E 7.48	61.40	407.48	2.98	270.00	0.00	0.00	61.40	407.50	0.00
E 7.49	62.40	407.48	2.98	270.00	0.00	0.00	62.40	407.50	0.00
E 7.50	63.40	407.48	2.98	270.00	0.00	0.00	63.40	407.50	0.00
E 7.51	64.40	407.48	2.98	270.00	0.00	0.00	64.40	407.50	0.00
E 7.52	65.40	407.48	2.98	270.00	0.00	0.00	65.40	407.50	0.00
E 7.53	66.40	407.48	2.98	270.00	0.00	0.00	66.40	407.50	0.00
E 7.54	67.40	407.48	2.98	270.00	0.00	0.00	67.40	407.50	0.00
E 7.55	68.40	407.48	2.98	270.00	0.00	0.00	68.40	407.50	0.00
E 7.56	69.40	407.48	2.98	270.00	0.00	0.00	69.40	407.50	0.00
E 7.57	70.40	407.48	2.98	270.00	0.00	0.00	70.40	407.50	0.00
E 7.58	71.40	407.48	2.98	270.00	0.00	0.00	71.40	407.50	0.00
E 7.59	72.40	407.48	2.98	270.00	0.00	0.00	72.40	407.50	0.00
E 7.60	73.40	407.48	2.98	270.00	0.00	0.00	73.40	407.50	0.00
E 7.61	74.40	407.48	2.98	270.00	0.00	0.00	74.40	407.50	0.00
E 7.62	75.40	407.48	2.98	270.00	0.00	0.00	75.40	407.50	0.00
E 7.63	76.40	407.48	2.98	270.00	0.00	0.00	76.40	407.50	0.00
E 7.64	77.40	407.48	2.98	270.00	0.00	0.00	77.40	407.50	0.00
E 7.65	78.40	407.48	2.98	270.00	0.00	0.00	78.40	407.50	0.00
E 7.66	79.40	407.48	2.98	270.00	0.00	0.00	79.40	407.50	0.00
E 7.67	80.40	407.48	2.98	270.00	0.00	0.00	80.40	407.50	0.00
E 7.68	81.40	407.48	2.98	270.00	0.00	0.00	81.40	407.50	0.00
E 7.69	82.40	407.48	2.98	270.00	0.00	0.00	82.40	407.50	0.00
E 7.70	83.40	407.48	2.98	270.00	0.00	0.00	83.40	407.50	0.00
E 7.71	84.40	407.48	2.98	270.00	0.00	0.00	84.40	407.50	0.00
E 7.72	85.40	407.48	2.98	270.00	0.00	0.00	85.40	407.50	0.00
E 7.73	86.40	407.48	2.98	270.00	0.00	0.00	86.40	407.50	0.00
E 7.74	87.40	407.48	2.98	270.00	0.00	0.00	87.40	407.50	0.00
E 7.75	88.40	407.48	2.98	270.00	0.00	0.00	88.40	407.50	0.00
E 7.76	89.40	407.48	2.98	270.00	0.00	0.00	89.40	407.50	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.77	90.40	407.48	2.98	270.00	0.00	0.00	90.40	407.50	0.00
E 7.78	91.40	407.48	2.98	270.00	0.00	0.00	91.40	407.50	0.00
E 7.79	92.40	407.48	2.98	270.00	0.00	0.00	92.40	407.50	0.00
E 7.80	93.40	407.48	2.98	270.00	0.00	0.00	93.40	407.50	0.00
E 7.81	94.40	407.48	2.98	270.00	0.00	0.00	94.40	407.50	0.00
E 7.82	95.40	407.48	2.98	270.00	0.00	0.00	95.40	407.50	0.00
E 7.83	96.40	407.48	2.98	270.00	0.00	0.00	96.40	407.50	0.00
E 7.84	97.40	407.48	2.98	270.00	0.00	0.00	97.40	407.50	0.00
E 7.85	98.40	407.48	2.98	270.00	0.00	0.00	98.40	407.50	0.00
E 7.86	99.40	407.48	2.98	270.00	0.00	0.00	99.40	407.50	0.00
E 7.87	100.40	407.48	2.98	270.00	0.00	0.00	100.40	407.50	0.00
E 7.88	101.40	407.47	2.98	270.00	0.00	0.00	101.40	407.50	0.00
E 7.89	102.40	407.47	2.98	270.00	0.00	0.00	102.40	407.50	0.00
E 7.90	103.40	407.47	2.98	270.00	0.00	0.00	103.40	407.50	0.00
E 7.91	104.40	407.47	2.98	270.00	0.00	0.00	104.40	407.50	0.00
E 7.92	105.40	407.47	2.98	270.00	0.00	0.00	105.40	407.50	0.00
E 7.93	106.40	407.47	2.98	270.00	0.00	0.00	106.40	407.50	0.00
E 7.94	107.40	407.47	2.98	270.00	0.00	0.00	107.40	407.50	0.00
E 7.95	108.40	407.47	2.98	270.00	0.00	0.00	108.40	407.50	0.00
E 7.96	109.40	407.47	2.98	270.00	0.00	0.00	109.40	407.50	0.00
E 7.97	110.40	407.47	2.98	270.00	0.00	0.00	110.40	407.50	0.00
E 7.98	111.40	407.47	2.98	270.00	0.00	0.00	111.40	407.50	0.00
E 7.99	112.40	407.47	2.98	270.00	0.00	0.00	112.40	407.50	0.00
E 7.100	113.40	407.47	2.98	270.00	0.00	0.00	113.40	407.50	0.00
E 7.101	114.40	407.47	2.98	270.00	0.00	0.00	114.40	407.50	0.00
E 7.102	115.40	407.47	2.98	270.00	0.00	0.00	115.40	407.50	0.00
E 7.103	116.40	407.47	2.98	270.00	0.00	0.00	116.40	407.50	0.00
E 7.104	117.40	407.47	2.98	270.00	0.00	0.00	117.40	407.50	0.00
E 7.105	118.40	407.47	2.98	270.00	0.00	0.00	118.40	407.50	0.00
E 7.106	119.40	407.47	2.98	270.00	0.00	0.00	119.40	407.50	0.00
E 7.107	120.40	407.47	2.98	270.00	0.00	0.00	120.40	407.50	0.00
E 7.108	121.40	407.47	2.98	270.00	0.00	0.00	121.40	407.50	0.00
E 7.109	122.40	407.47	2.98	270.00	0.00	0.00	122.40	407.50	0.00
E 7.110	123.40	407.47	2.98	270.00	0.00	0.00	123.40	407.50	0.00
E 7.111	124.40	407.47	2.98	270.00	0.00	0.00	124.40	407.50	0.00
E 7.112	125.40	407.47	2.98	270.00	0.00	0.00	125.40	407.50	0.00
E 7.113	126.40	407.47	2.98	270.00	0.00	0.00	126.40	407.50	0.00
E 7.114	127.40	407.47	2.98	270.00	0.00	0.00	127.40	407.50	0.00
E 7.115	128.40	407.47	2.98	270.00	0.00	0.00	128.40	407.50	0.00
E 7.116	129.40	407.47	2.98	270.00	0.00	0.00	129.40	407.50	0.00
E 7.117	130.40	407.47	2.98	270.00	0.00	0.00	130.40	407.50	0.00
E 7.118	131.40	407.47	2.98	270.00	0.00	0.00	131.40	407.50	0.00
E 7.119	132.40	407.47	2.98	270.00	0.00	0.00	132.40	407.50	0.00
E 7.120	133.40	407.47	2.98	270.00	0.00	0.00	133.40	407.50	0.00
E 7.121	134.40	407.47	2.98	270.00	0.00	0.00	134.40	407.50	0.00
E 7.122	135.40	407.47	2.98	270.00	0.00	0.00	135.40	407.50	0.00
E 7.123	136.40	407.47	2.98	270.00	0.00	0.00	136.40	407.50	0.00
E 7.124	137.40	407.47	2.98	270.00	0.00	0.00	137.40	407.50	0.00
E 7.125	138.40	407.47	2.98	270.00	0.00	0.00	138.40	407.50	0.00
E 7.126	139.40	407.47	2.98	270.00	0.00	0.00	139.40	407.50	0.00
E 7.127	140.40	407.47	2.98	270.00	0.00	0.00	140.40	407.50	0.00
E 7.128	141.40	407.47	2.98	270.00	0.00	0.00	141.40	407.50	0.00
E 7.129	142.40	407.47	2.98	270.00	0.00	0.00	142.40	407.50	0.00
E 7.130	143.40	407.47	2.98	270.00	0.00	0.00	143.40	407.50	0.00

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.131	144.40	407.47	2.98	270.00	0.00	0.00	144.40	407.50	0.00
E 7.132	145.40	407.47	2.98	270.00	0.00	0.00	145.40	407.50	0.00
E 7.133	146.40	407.47	2.98	270.00	0.00	0.00	146.40	407.50	0.00
E 7.134	147.40	407.47	2.98	270.00	0.00	0.00	147.40	407.50	0.00
E 7.135	148.40	407.47	2.98	270.00	0.00	0.00	148.40	407.50	0.00
E 7.136	149.40	407.47	2.98	270.00	0.00	0.00	149.40	407.50	0.00
E 7.137	150.40	407.47	2.98	270.00	0.00	0.00	150.40	407.50	0.00

Dimming values

No.	Phi [lm]	Phi [%]		T [K]	Red	Color Green	Blue	White
Thorn PIAZZA II LED 1690-840 HF ANT [STD] 96666256								
2.3	1659.60	90.00		---	0.9000	0.9000	0.9000	---
Tryka LED Ltd Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w								
Clear Glass Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass								

E 6.1	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.2	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.3	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.4	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.5	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.6	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.7	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.8	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.9	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.10	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.11	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.12	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.13	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.14	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.15	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.16	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.17	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.18	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.19	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.20	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.21	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.22	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.23	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.24	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.25	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.26	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.27	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.28	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.29	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.30	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.31	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.32	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.33	1413.75	75.00		---	0.7500	0.7500	0.7500	---

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 6.34	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.35	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.36	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.37	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.38	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.39	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.40	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.41	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.42	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.43	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.44	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.45	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.46	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.47	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.48	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.49	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.50	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.51	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.52	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.53	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.54	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.55	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.56	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.57	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.58	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.59	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.60	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.61	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.62	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.63	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.64	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.65	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.66	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.67	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.68	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.69	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.70	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.71	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.72	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.73	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.74	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.75	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.76	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.77	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.78	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.79	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.80	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.81	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.82	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.83	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.84	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.85	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.86	1413.75	75.00		---	0.7500	0.7500	0.7500	---

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 6.87	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.88	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.89	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.90	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.91	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.92	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.93	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.94	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.95	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.96	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.97	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.98	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.99	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.100	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.101	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.102	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.103	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.104	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.105	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.106	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.107	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.108	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.109	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.110	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.111	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.112	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.113	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 6.114	1413.75	75.00		---	0.7500	0.7500	0.7500	---
E 7.1	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.2	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.3	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.4	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.5	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.6	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.7	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.8	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.9	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.10	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.11	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.12	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.13	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.14	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.15	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.16	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.17	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.18	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.19	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.20	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.21	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.22	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.23	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.24	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.25	942.50	50.00		---	0.5000	0.5000	0.5000	---

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.26	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.27	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.28	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.29	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.30	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.31	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.32	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.33	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.34	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.35	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.36	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.37	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.38	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.39	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.40	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.41	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.42	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.43	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.44	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.45	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.46	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.47	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.48	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.49	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.50	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.51	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.52	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.53	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.54	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.55	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.56	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.57	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.58	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.59	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.60	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.61	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.62	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.63	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.64	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.65	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.66	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.67	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.68	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.69	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.70	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.71	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.72	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.73	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.74	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.75	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.76	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.77	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.78	942.50	50.00		---	0.5000	0.5000	0.5000	---

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.79	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.80	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.81	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.82	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.83	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.84	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.85	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.86	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.87	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.88	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.89	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.90	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.91	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.92	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.93	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.94	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.95	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.96	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.97	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.98	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.99	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.100	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.101	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.102	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.103	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.104	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.105	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.106	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.107	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.108	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.109	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.110	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.111	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.112	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.113	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.114	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.115	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.116	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.117	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.118	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.119	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.120	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.121	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.122	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.123	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.124	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.125	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.126	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.127	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.128	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.129	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.130	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.131	942.50	50.00		---	0.5000	0.5000	0.5000	---

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 7.132	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.133	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.134	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.135	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.136	942.50	50.00		---	0.5000	0.5000	0.5000	---
E 7.137	942.50	50.00		---	0.5000	0.5000	0.5000	---

E : Active in Emergency

Structural elements

Measuring surface

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle L axis	Q axis
North Side								
	16.04	417.08	-4.90	144.26	22.82	273.14	0.00	0.00
East Side								
	156.73	310.52	0.00	116.86	116.16	316.79	0.00	0.00
South Side								
	13.55	277.53	0.00	152.64	15.09	0.00	0.00	0.01
West Side								
	6.69	406.48	0.00	18.30	127.89	274.06	0.00	0.00
Steps 1								
	37.30	276.87	-1.37	1.64	1.76	0.00	33.40	0.00
Terrace 1								
	39.60	276.91	-0.77	37.31	0.70	0.00	0.00	0.00
Steps 2								
	77.68	276.87	-1.37	1.64	1.76	0.00	33.40	0.00
Terrace 2								
	39.51	276.13	-1.20	37.41	0.65	0.00	0.00	0.00
Terrace 3								
	37.06	275.21	-1.70	42.32	0.40	0.00	0.00	0.00
Bridge								
	101.06	279.00	0.00	12.39	27.00	0.00	0.00	0.00
West Ramp								
	-8.83	293.98	-0.02	27.92	115.75	3.60	-2.40	0.00
Emergency Services Access Route								
	167.46	304.66	0.00	19.14	3.46	0.00	0.00	0.00

Others

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle L axis	Q axis	rho[%]
Level Area									
A 1	5.66	407.78	-7.00	180.38	131.15	0.00	0.00	0.00	66
Ground Level									
A 5	19.87	293.00	0.00	142.86	114.45	0.00	0.00	0.00	66
Level 1									
A 2	150.81	407.43	3.00	147.62	118.86	0.00	0.00	0.01	66
Level 2									
A 3	16.43	290.77	7.10	145.93	128.43	0.00	0.00	0.00	66
Planter 1									
A 4	156.66	297.68	0.00	3.39	7.00	3.09	0.00	0.00	66

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

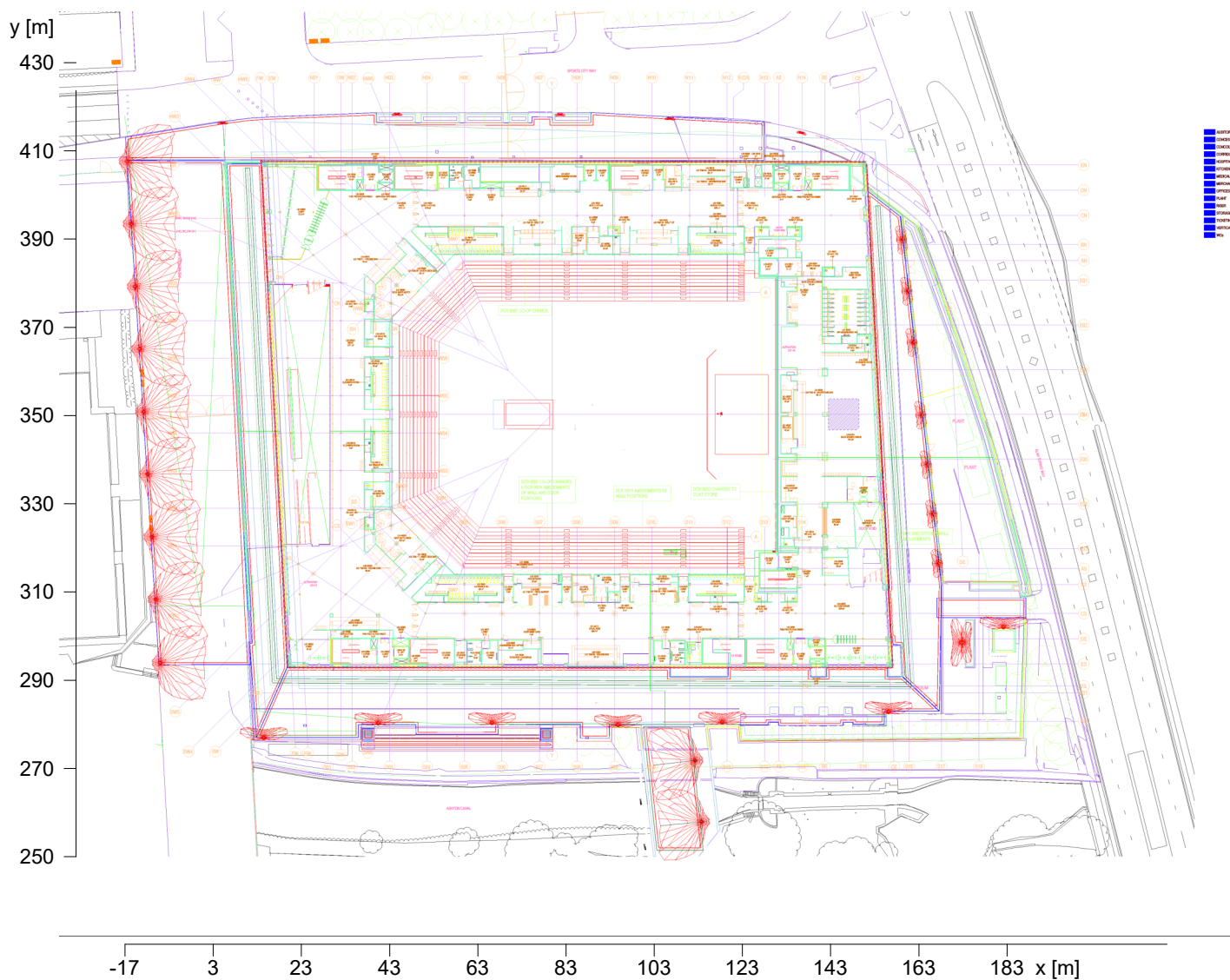
2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Planter 2									
A 1	138.50	290.95	0.00	3.28	2.03	0.00	0.00	0.00	66
Planter 3									
A 2	129.08	282.04	0.00	1.99	1.88	0.00	0.00	0.00	66
Planter 4									
A 3	134.67	282.04	0.00	1.99	1.88	0.00	0.00	0.00	66
Planter 5									
A 4	140.27	282.04	0.00	1.99	1.88	0.00	0.00	0.00	66
Planter 6									
A 5	145.88	282.04	-0.00	1.99	1.88	0.00	0.00	0.00	66
Planter 7									
A 6	106.68	290.95	0.00	12.76	1.86	0.00	0.00	0.00	66
Planter 8									
A 7	173.38	293.00	0.00	2.04	10.72	0.00	0.00	0.00	66
Terrace 1									
A 8	39.60	276.91	-0.77	37.31	0.77	0.00	0.00	0.00	66
Terrace 3									
A 9	36.56	274.71	-2.60	43.32	1.40	0.00	0.00	0.00	66
Terrace 2									
A 10	39.51	276.13	-1.70	37.39	0.87	0.00	0.00	0.00	66
Bridge wall									
A 11	102.77	250.00	0.00	3.94	29.34	6.73	0.00	0.00	66
Bridge wall									
A 12	117.29	255.73	0.00	3.23	23.30	6.73	0.00	0.00	66
Companoud wall									
A 13	168.04	311.92	0.00	9.57	83.14	6.32	0.00	0.00	66
Ramp									
A 14	-9.30	293.48	-0.10	29.13	116.89	3.60	-2.40	0.00	66
North									
A 15	-16.60	407.87	-4.90	145.34	23.90	273.14	0.00	0.00	66

2.1 Description, Exterior 1

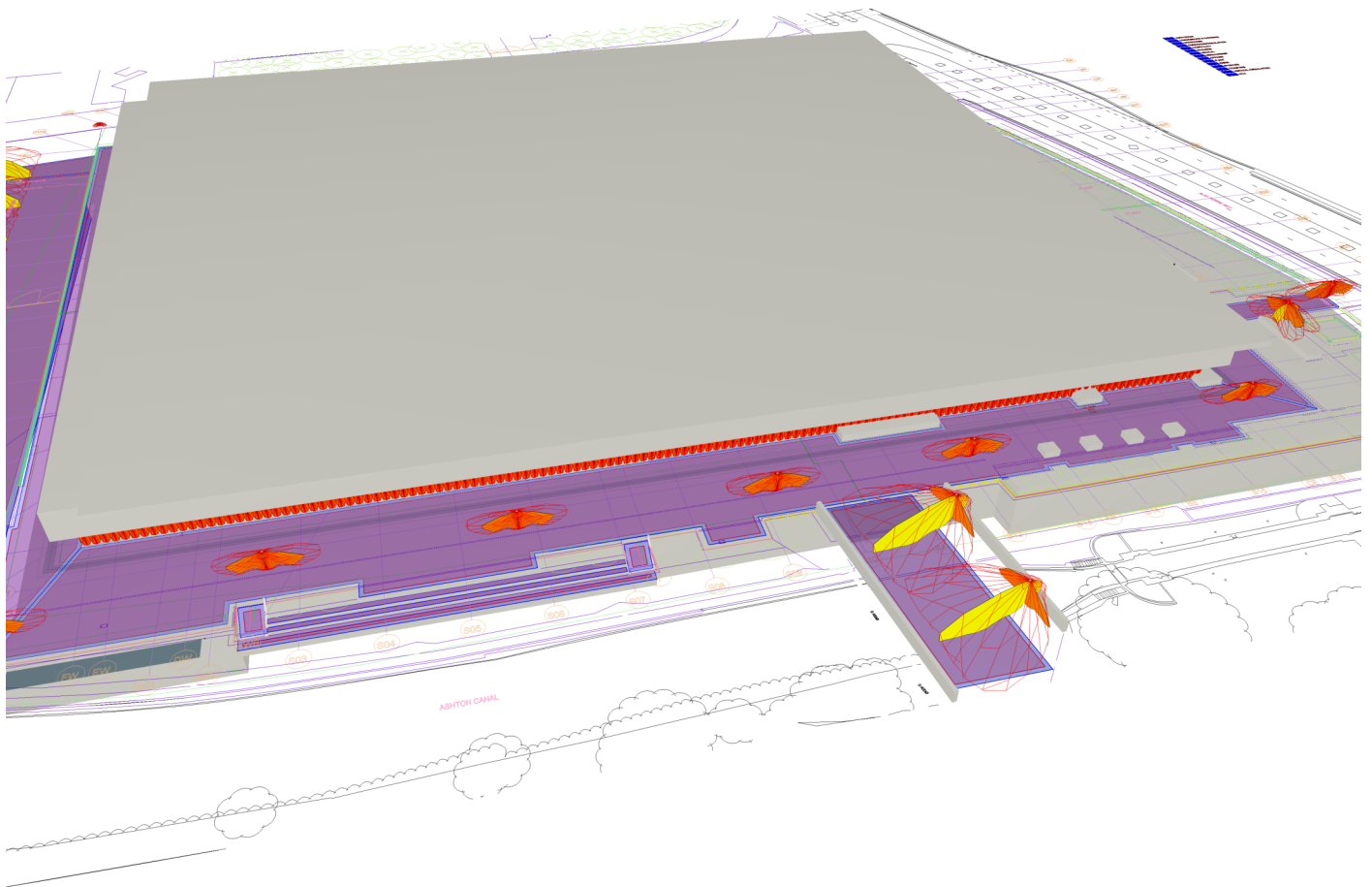
2.1.2 Floor plan



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.1 Description, Exterior 1

2.1.3 3D view, View 1

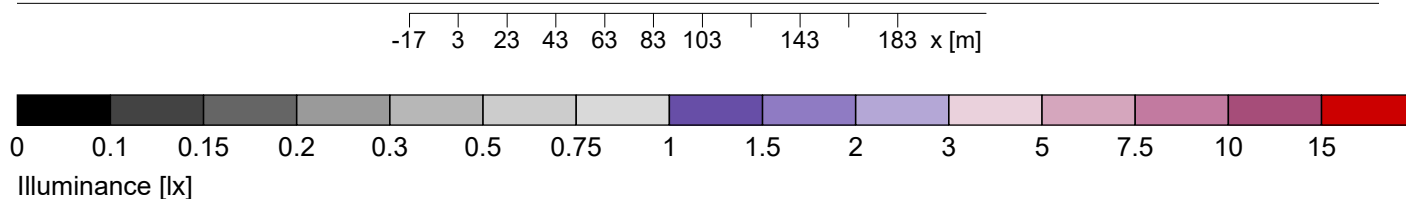
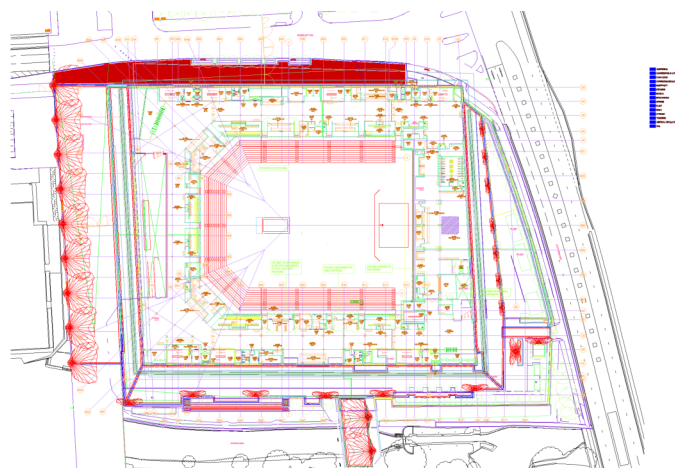


Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, North Side



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux
 Total power
 Total power per area (1299.14 m²)

22240.00 lm
 160.0 W
 0.12 W/m² (0.27 W/m²/100lx)

North Side

User profile

North Side

Walkways exclusively for pedestrians
 5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
 Horizontal
 Em 45.1 lx (>= 5 lx)
 Emin 14.6 lx
 Emin/Em (Uo) 0.32 (>= 0.25)
 Emin/Emax (Ud) 0.11
 Position 0.00 m

Type No.\Make

2 2 x



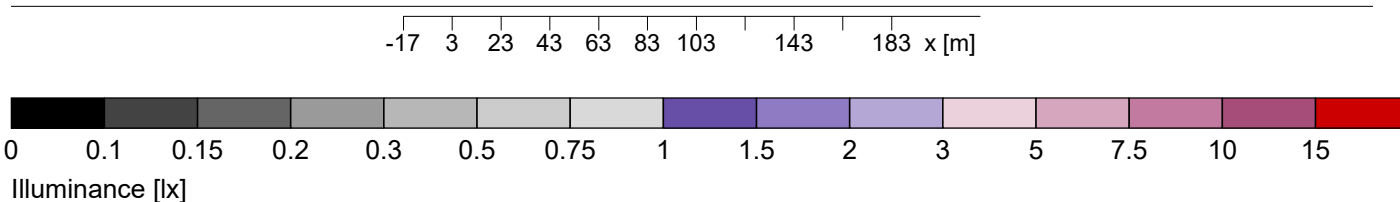
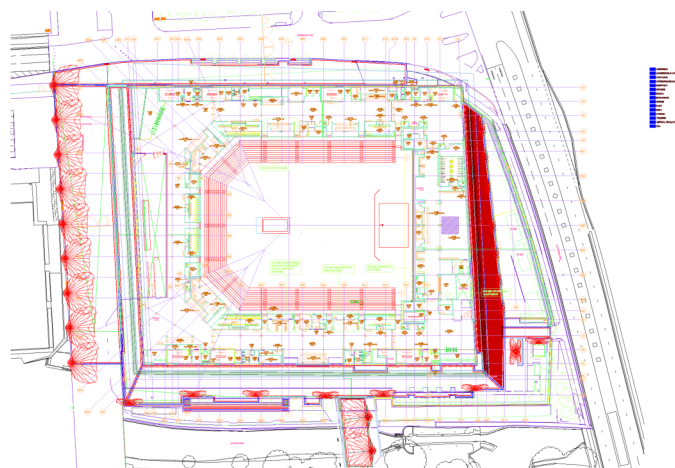
Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 11120 lm (100.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.2 Result overview, East Side



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux
 (Luminaires have been dimmed. For details see output page "Luminaire data/Room elements".)

70687.35 lm (dimmed to 78.37%)

Total power
 Total power per area (1065.20 m²)

1325.5 W
 1.24 W/m² (2.17 W/m²/100lx)

East Side

User profile

East Side

Walkways exclusively for pedestrians
 5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
 Horizontal

Em 57.2 lx (>= 5 lx)
 Emin 15.1 lx
 Emin/Em (Uo) 0.26 (>= 0.25)
 Emin/Emax (Ud) 0.03
 Position 0.00 m

Type No. \Make

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.2 Result overview, East Side

3 7 x



Thorn

Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

4 41 x



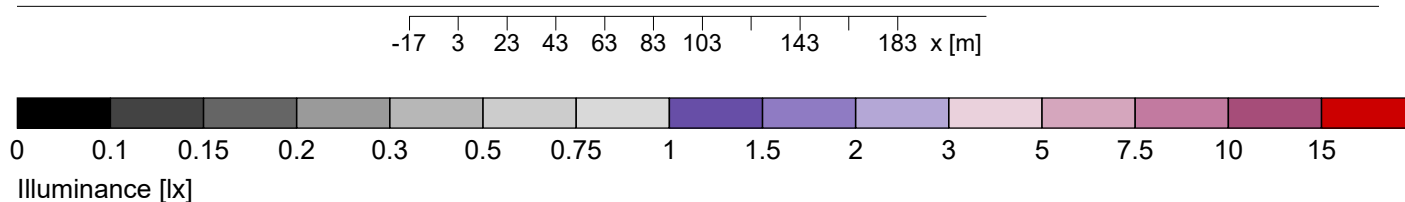
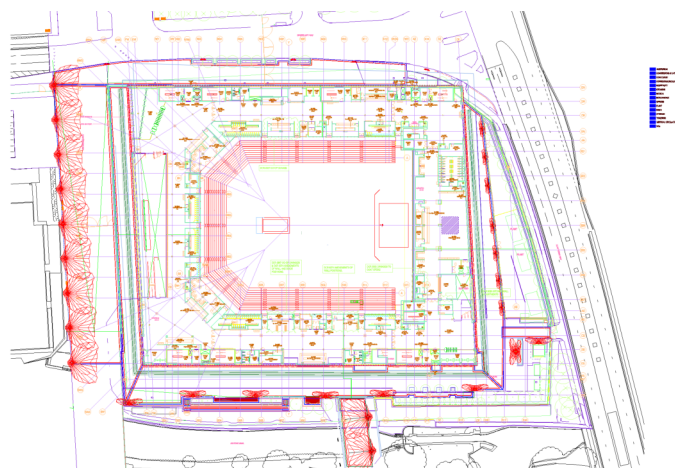
Tryka LED Ltd

Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.3 Result overview, South Side



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux
Total power
Total power per area (1932.77 m²)

96880.00 lm
955.2 W
0.49 W/m² (1.90 W/m²/100lx)

South Side

User profile

South Side

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
Horizontal
26 lx (>= 5 lx)
16.5 lx
0.63 (>= 0.25)
0.37
0.00 m (rot: 0°/0.01°)

Type No.\Make

1 6 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

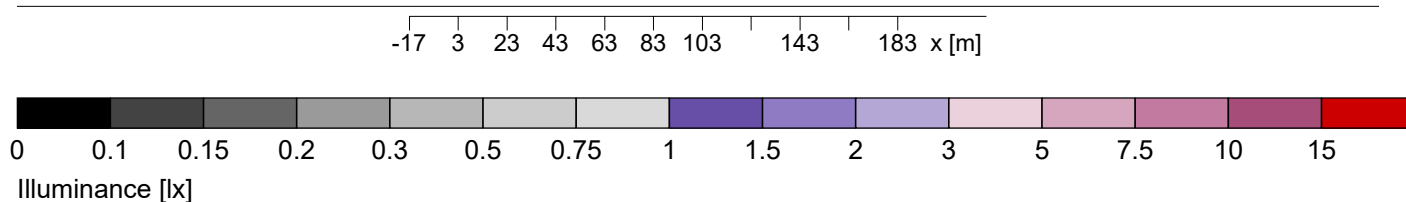
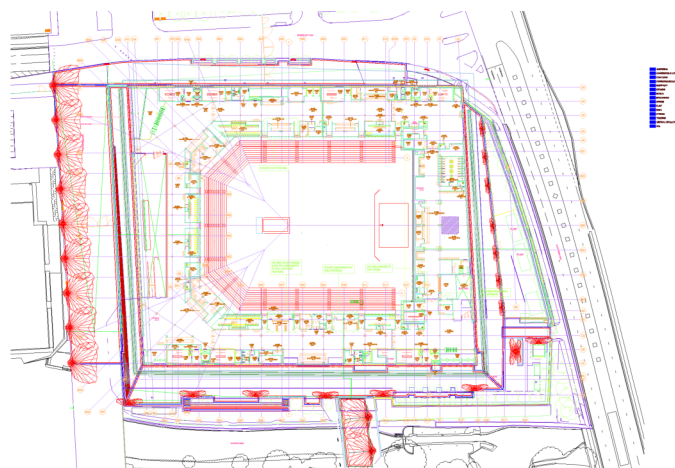
2.2.3 Result overview, South Side

		Tryka LED Ltd	
4	16 x	Order No.	: Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
		Luminaire name	: Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
		Equipment	: 1 x LED 29.7 W / 1885 lm
		Emergency	: 1885 lm (100.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.4 Result overview, West Side



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total luminous flux
 Total power
 Total power per area (938.20 m²)

58435.00 lm
 920.7 W
 0.98 W/m² (4.82 W/m²/100lx)

West Side

User profile

West Side

Walkways exclusively for pedestrians
 5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
 Horizontal
 20.3 lx (>= 5 lx)
 9.3 lx
 0.46 (>= 0.25)
 0.20
 0.00 m

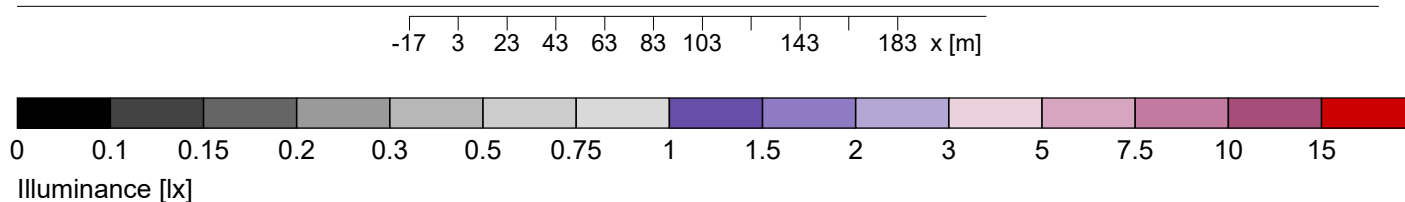
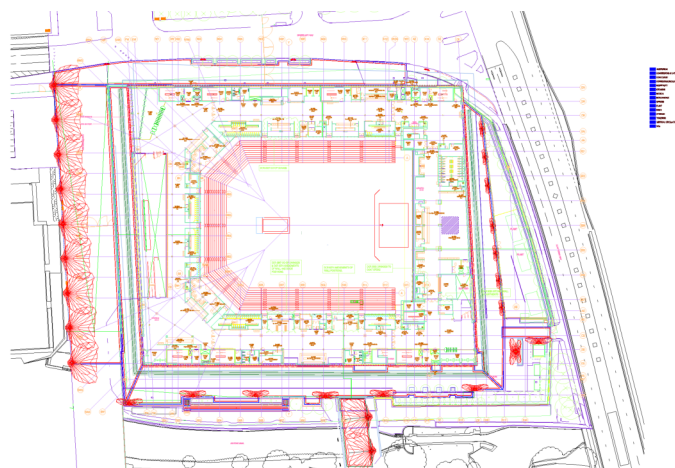
Type No.\Make

4	31 x	Tryka LED Ltd	
		Order No.	: Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
		Luminaire name	: Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
		Equipment	: 1 x LED 29.7 W / 1885 lm
		Emergency	: 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.5 Result overview, Steps 1



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Steps 1

User profile

Steps 1

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)

Horizontal

Em 8.27 lx (≥ 5 lx)
Emin 5.23 lx
Emin/Em (Uo) 0.63 (≥ 0.25)
Emin/Emax (Ud) 0.39
Position 0.00 m (rot: 33.4°/0°)

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.5 Result overview, Steps 1

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
Luminaire name : Viva City Pro
Equipment : 1 x Philips 5050 80 W / 11040 lm
Emergency : 2760 lm (25.0 %)

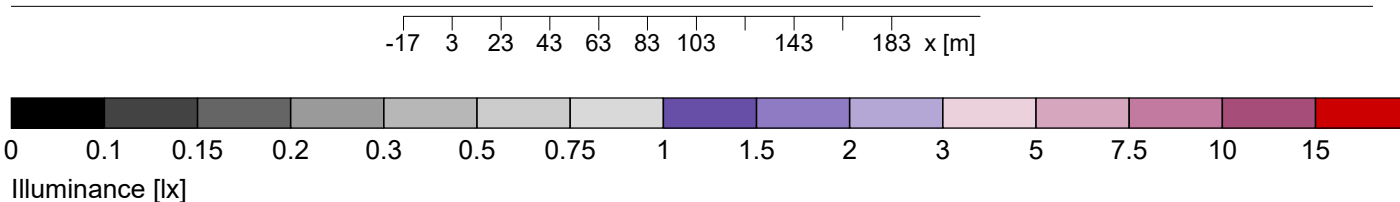
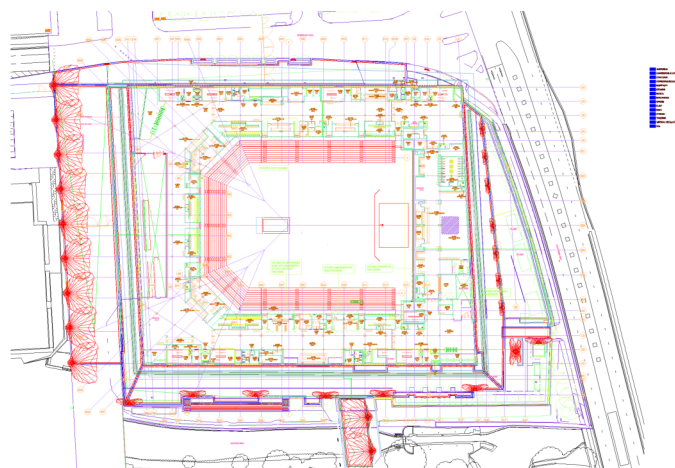
Thorn
3 7 x  Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.6 Result overview, Terrace 1



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Terrace 1

User profile

Terrace 1

Walkways exclusively for pedestrians
 5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)

Horizontal

Em 9.38 lx (≥ 5 lx)
 Emin 7.2 lx
 Emin/Em (Uo) 0.77 (≥ 0.25)
 Emin/Emax (Ud) 0.50
 Position 0.00 m

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 2780 lm (25.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.6 Result overview, Terrace 1

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
Luminaire name : Viva City Pro
Equipment : 1 x Philips 5050 80 W / 11040 lm
Emergency : 2760 lm (25.0 %)

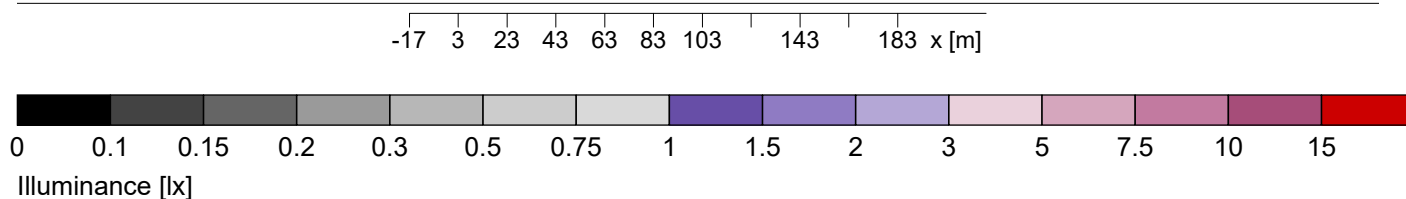
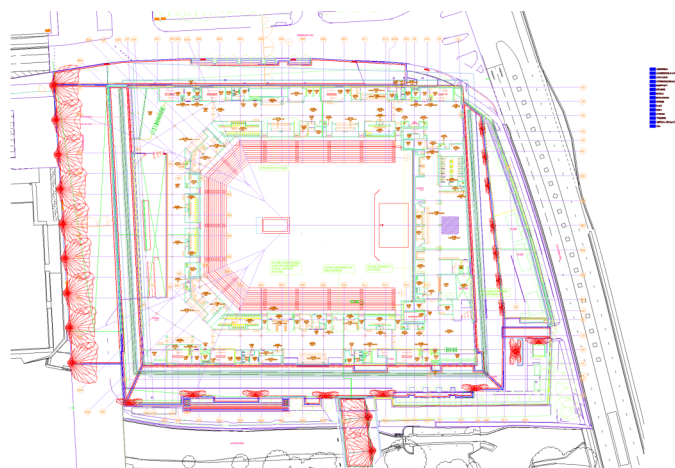
Thorn
3 7 x  Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.7 Result overview, Steps 2



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Steps 2

User profile

Steps 2

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)

Horizontal

Em 5.89 lx (≥ 5 lx)
Emin 4.97 lx
Emin/Em (Uo) 0.84 (≥ 0.25)
Emin/Emax (Ud) 0.72
Position 0.00 m (rot: 33.4°/0°)

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.7 Result overview, Steps 2

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
 Luminaire name : Viva City Pro
 Equipment : 1 x Philips 5050 80 W / 11040 lm
 Emergency : 2760 lm (25.0 %)

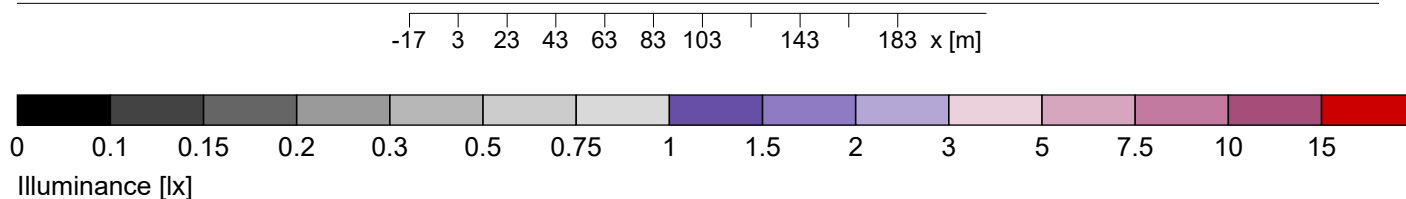
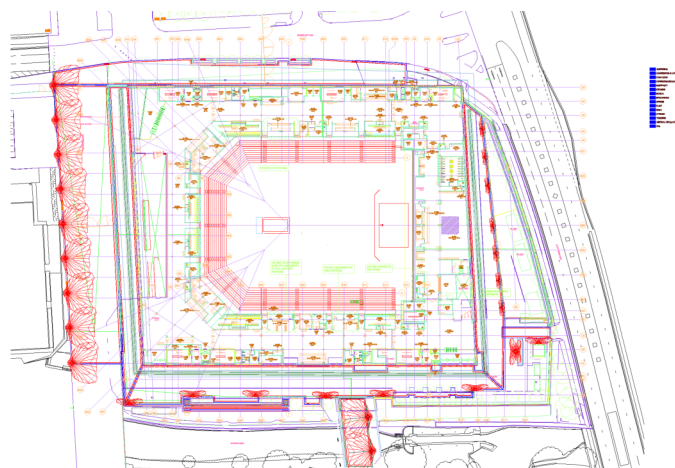
Thorn
 3 7 x  Order No. : 96666256
 Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
 Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
 4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Equipment : 1 x LED 29.7 W / 1885 lm
 Emergency : 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.8 Result overview, Terrace 2



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Terrace 2

User profile

Terrace 2

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
Horizontal

Em	7.43 lx	(≥ 5 lx)
Emin	5.65 lx	
Emin/Em (Uo)	0.76	(≥ 0.25)
Emin/Emax (Ud)	0.52	
Position	0.00 m	

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No.	: 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name	: EC1
Equipment	: 1 x Philips 5050 80 W / 11120 lm
Emergency	: 2780 lm (25.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.8 Result overview, Terrace 2

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
Luminaire name : Viva City Pro
Equipment : 1 x Philips 5050 80 W / 11040 lm
Emergency : 2760 lm (25.0 %)

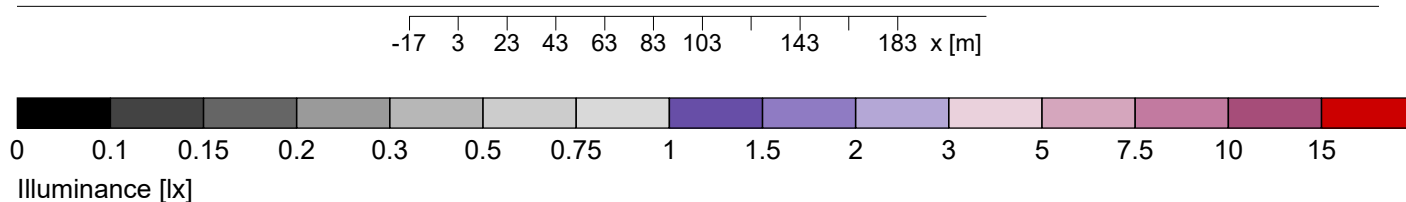
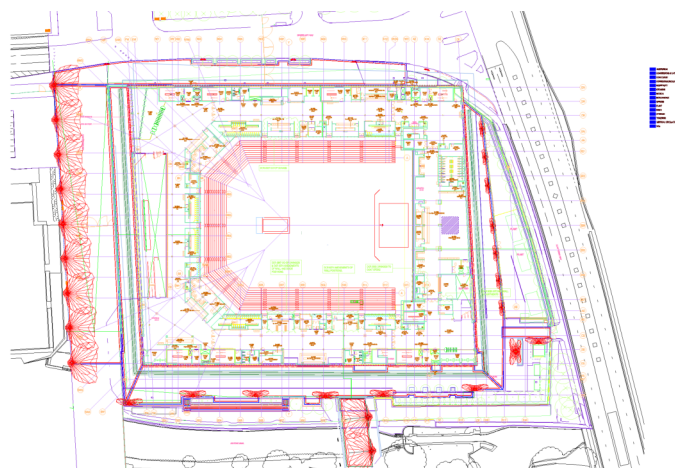
Thorn
3 7 x  Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.9 Result overview, Terrace 3



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Terrace 3

User profile

Terrace 3

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)

Horizontal

Em 6.01 lx (≥ 5 lx)
Emin 4.58 lx
Emin/Em (Uo) 0.76 (≥ 0.25)
Emin/Emax (Ud) 0.53
Position 0.00 m

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.9 Result overview, Terrace 3

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
Luminaire name : Viva City Pro
Equipment : 1 x Philips 5050 80 W / 11040 lm
Emergency : 2760 lm (25.0 %)

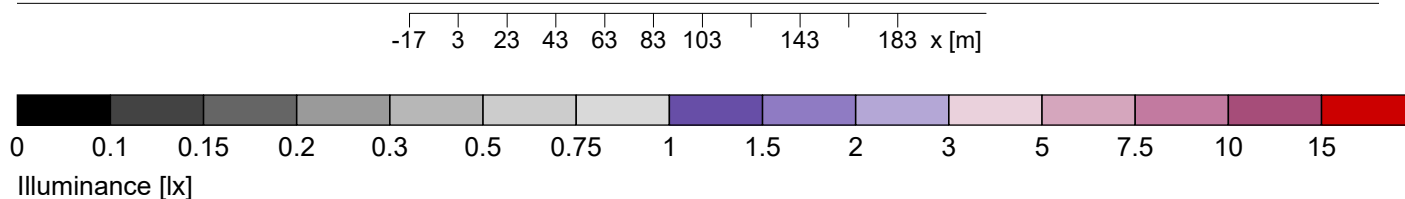
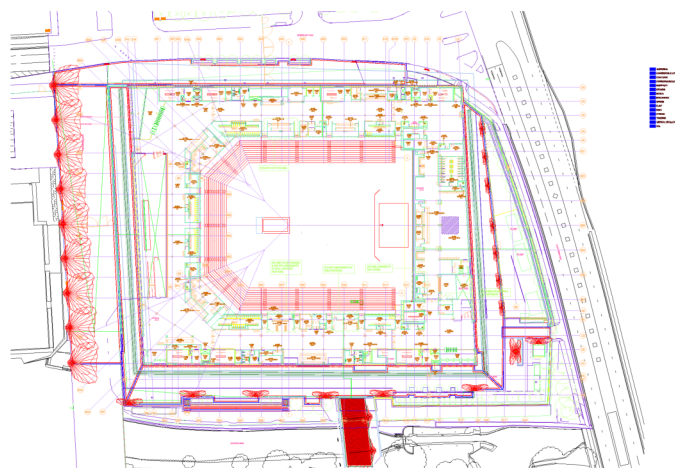
Thorn
3 7 x  Order No. : 96666256
Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
Equipment : 1 x LED 29.7 W / 1885 lm
Emergency : 1885 lm (100.0 %)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.10 Result overview, Bridge



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Bridge

User profile

Bridge

Walkways exclusively for pedestrians
5.1.1 (EN 12464-2, 05.2014) ($R_a > 20.00$)

Horizontal

E_m 32.3 lx (≥ 5 lx)
 E_{min} 16.8 lx
 E_{min}/E_m (U_o) 0.52 (≥ 0.25)
 E_{min}/E_{max} (U_d) 0.36
Position 0.00 m

Type No.\Make

1 9 x



Kingfisher Lighting Ltd

Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
Luminaire name : EC1
Equipment : 1 x Philips 5050 80 W / 11120 lm
Emergency : 2780 lm (25.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.10 Result overview, Bridge

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
 Luminaire name : Viva City Pro
 Equipment : 1 x Philips 5050 80 W / 11040 lm
 Emergency : 2760 lm (25.0 %)

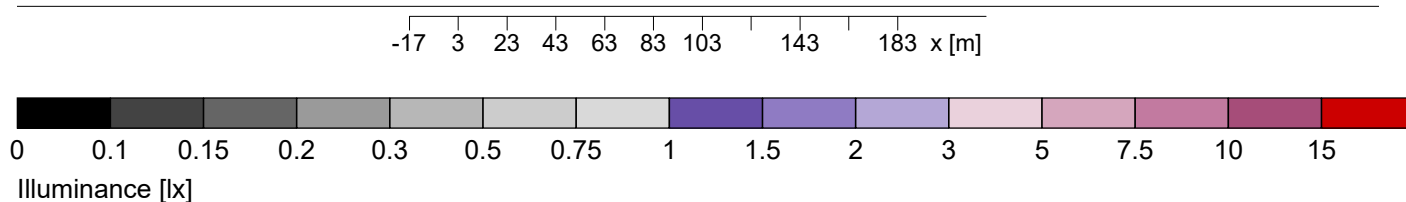
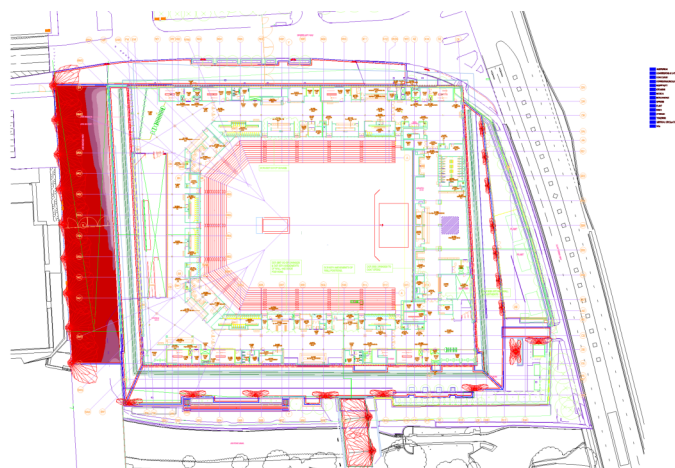
Thorn
 3 7 x  Order No. : 96666256
 Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
 Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
 4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Equipment : 1 x LED 29.7 W / 1885 lm
 Emergency : 1885 lm (100.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.11 Result overview, West Ramp



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	99360.00 lm
Total power	720.0 W
Total power per area (2441.79 m ²)	0.29 W/m ² (1.20 W/m ² /100lx)

West Ramp

User profile	Walkways exclusively for pedestrians
	5.1.1 (EN 12464-2, 05.2014) (Ra >20.00)
	Horizontal
Em	24.5 lx (>= 5 lx)
Emin	4.5 lx
Emin/Em (Uo)	0.18 (>= 0.25)
Emin/Emax (Ud)	0.09
Position	0.00 m (rot: -2.4°/0°)

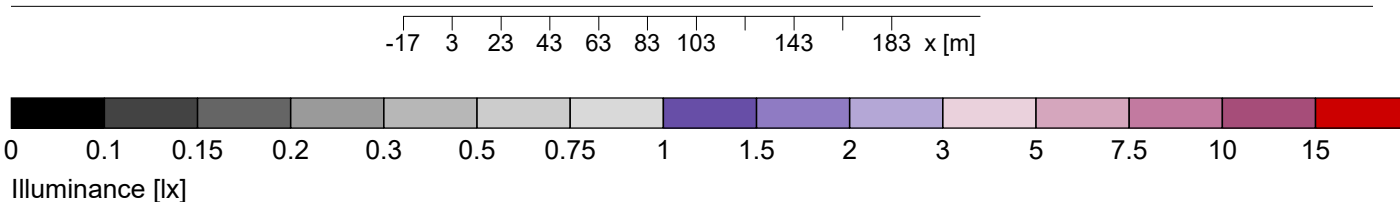
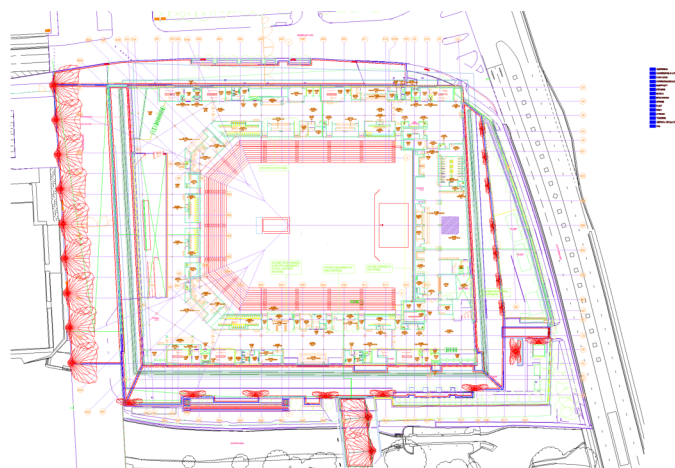
Type No.\Make

5	9 x	Kingfisher Lighting Ltd
		Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
		Luminaire name : Viva City Pro
		Equipment : 1 x Philips 5050 80 W / 11040 lm
		Emergency : 2760 lm (25.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.12 Result overview, Emergency Services Access Route



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Emergency Services Access Route

User profile Light traffic, e.g. parking areas of shops, terraced and apartment houses; cycle parks
 5.9.1 (EN 12464-2, 05.2014) (Ra >20.00)
 Horizontal
 Em 35.1 lx (≥ 5 lx)
 Emin 21.2 lx
 Emin/Em (Uo) 0.61 (≥ 0.25)
 Emin/Emax (Ud) 0.45
 Position 0.00 m

Type No. Make

1 9 x **Kingfisher Lighting Ltd**
 Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 2780 lm (25.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.2 Summary, Exterior 1

2.2.12 Result overview, Emergency Services Access Route

2 5 x  Order No. : 80w LED Viva City Pro 4000k 800mA with AY70 Optic
 Luminaire name : EC1
 Equipment : 1 x Philips 5050 80 W / 11120 lm
 Emergency : 11120 lm (100.0 %)

5 11 x  Order No. : 80w LED Viva City Pro 4000k 800mA with FW70 Optic
 Luminaire name : Viva City Pro
 Equipment : 1 x Philips 5050 80 W / 11040 lm
 Emergency : 2760 lm (25.0 %)

Thorn
 3 7 x  Order No. : 96666256
 Luminaire name : PIAZZA II LED 1690-840 HF ANT [STD]
 Equipment : 1 x TL_PIA2 15 W / 1844 lm

Tryka LED Ltd
 4 503 x  Order No. : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Luminaire name : Stripline 41 1000-18 LEDs 12x55deg RGBW 80CRI 29.7w Clear Glass
 Equipment : 1 x LED 29.7 W / 1885 lm
 Emergency : 1885 lm (100.0 %)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Floor (E)

[m]	[20.7]	20.3	19.7	18.7	17.8	16.9	16.2	15.6	15.3	15.1	14.9	14.9	15	15	14.8	14.4	13.8	13.4	12.9	12.4	12	11.6	11.3	10.9	10.6	10.3	10	9.7	9.4
75.50	19.4	19	18.4	17.5	16.5	15.7	14.9	14.3	14	13.7	13.7	13.6	13.8	13.8	13.7	13.3	12.9	12.5	12.1	11.7	11.3	11	10.7	10.3	10.1	9.8	9.5	9.2	9
75.00	17.6	17.2	16.6	15.8	15	14.1	13.4	12.7	12.3	12	11.9	11.9	12.1	12.2	12.1	11.9	11.5	11.2	10.9	10.6	10.4	10	9.8	9.5	9.3	9	8.8	8.6	8.3
74.50	15.2	14.9	14.4	13.7	13	12.2	11.5	10.8	10.3	9.9	9.8	9.8	10	10.1	10.1	9.9	9.7	9.5	9.3	9.2	9	8.8	8.6	8.4	8.2	8	7.8	7.7	7.5
74.00	13.5	13.2	12.8	12.3	11.6	11	10.4	9.7	9.1	8.7	8.4	8.4	8.5	8.6	8.5	8.4	8.2	8.1	8	8	7.8	7.7	7.6	7.4	7.3	7.1	7	6.9	6.7
73.50	12.3	12	11.7	11.2	10.6	10.1	9.6	9	8.4	7.9	7.6	7.5	7.5	7.5	7.3	7.2	7.1	7	7	7	7	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.1
73.00	11.5	11.3	11	10.5	10	9.5	9.1	8.6	8.1	7.5	7.2	6.9	7	6.9	6.8	6.7	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.1	6	5.9	5.8
	16					18					20					22						24						26	
	Illuminance [lx]																												

Part1

Average illuminance	Em	: 8.9 lx
Minimum illuminance	Emin	: 4.7 lx
Maximum illuminance	Emax	: 20.7 lx
Uniformity Uo	Emin/Em	: 1 : 1.91 (0.52)
Diversity Ud	Emin/Emax	: 1 : 4.43 (0.23)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Floor (E)

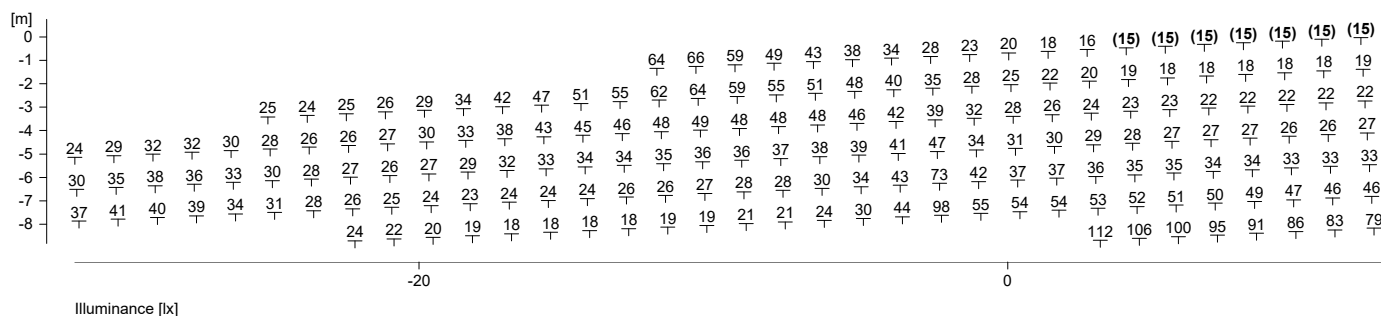
9,2	8,9	8,6	8,4	8,1	7,9	7,7	7,5	7,4	7,2	7	6,9	6,8	6,7	6,6	6,6	6,5	6,5
8,7	8,5	8,2	8	7,8	7,6	7,4	7,2	7	6,9	6,7	6,6	6,5	6,4	6,4	6,4	6,4	6,4
8,1	7,8	7,6	7,4	7,2	7	6,9	6,7	6,5	6,4	6,3	6,2	6,1	6	6,1	6,1	6,2	6,3
7,3	7	6,9	6,7	6,5	6,4	6,2	6,1	5,9	5,8	5,7	5,6	5,6	5,6	5,6	5,8	5,9	5,9
6,5	6,4	6,2	6,1	6	5,8	5,7	5,5	5,4	5,3	5,2	5,2	5,2	5,3	5,3	5,4	5,5	5,5
6	5,9	5,7	5,6	5,5	5,4	5,3	5,2	5	5	4,9	4,9	4,9	5	5,1	5,2	5,2	5,2
5,7	5,5	5,4	5,3	5,2	5,1	5	4,9	4,8	(4,7)	(4,7)	(4,7)	4,8	4,9	5	5	5	5
28				30				32 [m]									

Part2

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.2 Table, North Side (E)



Part1

Height reference plane : -4.90 m
 Average illuminance Em : 45 lx
 Minimum illuminance Emin : 15 lx
 Maximum illuminance Emax : 131 lx
 Uniformity Uo Emin/Em : 1 : 3.10 (0.32)
 Diversity Ud Emin/Emax : 1 : 8.98 (0.11)



2.3.2 Table, North Side (E)





2.3.2 Table, North Side (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.3 Calculation results, Exterior 1

2.3.2 Table, North Side (E)

26	28	29
31	33	36
36	38	41
41	43	46
54	54	54
90	87	85



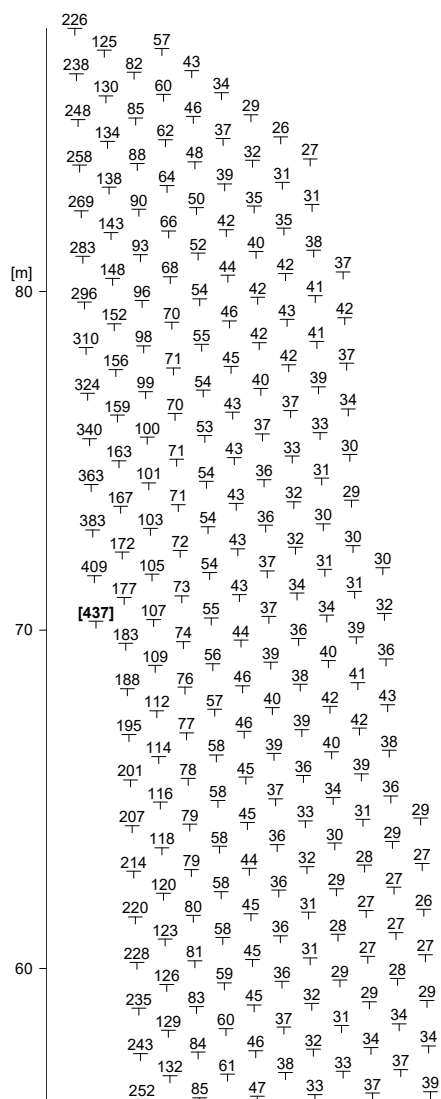
-

Part4

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.3 Table, East Side (E)



Part1

Height reference plane	: 0.00 m
Average illuminance	Em : 57 lx
Minimum illuminance	Emin : 15 lx
Maximum illuminance	Emax : 437 lx
Uniformity Uo	Emin/Em : 1 : 3.78 (0.26)
Diversity Ud	Emin/Emax : 1 : 28.88 (0.03)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.3 Table, East Side (E)

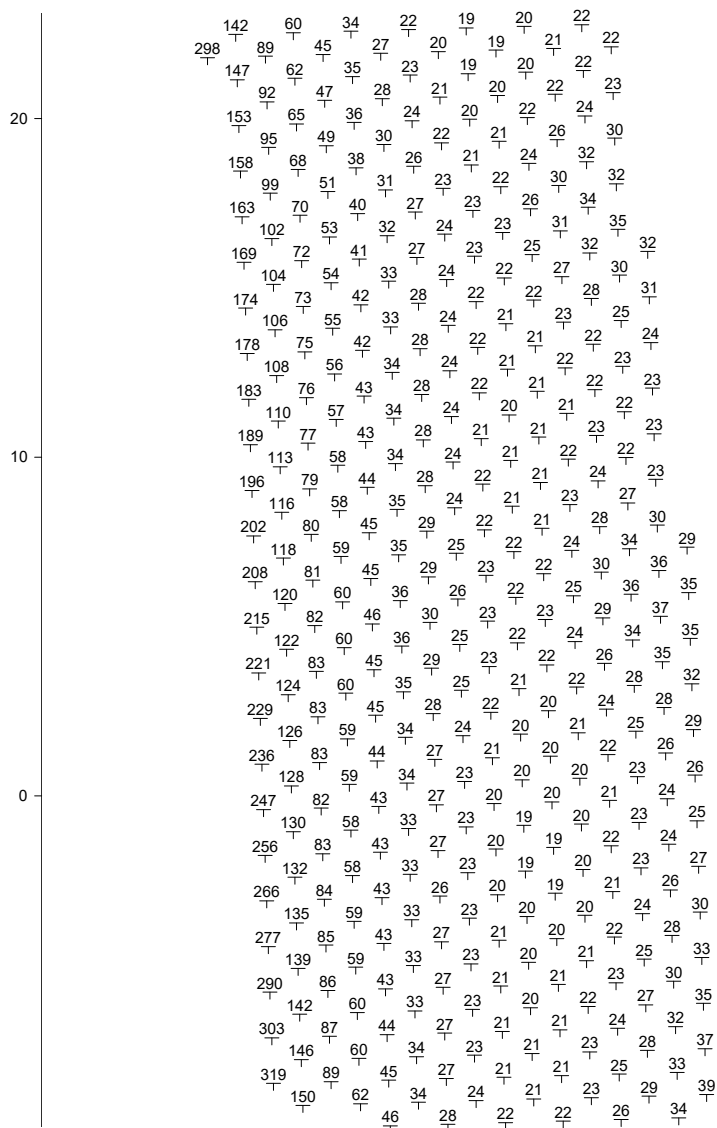
	135	61	38	33	38	40	
	262	87	47	33	34	36	
	138	62	37	30	36	33	
	274	88	46	31	30	34	
	141	62	36	27	27	26	
	286	89	46	29	25	25	
	145	62	35	25	23	23	
	298	90	46	28	22	21	
	149	63	35	24	20	19	
50	313	92	46	28	20	18	
	152	64	35	23	18	16	
	329	93	46	28	19	16	(15)
	156	64	35	23	17	16	(15)
	347	95	47	28	19	16	(15)
	161	65	35	23	17	16	
	97	47	28	20	17	17	
	165	66	36	23	19	18	
	98	48	28	21	19	20	
	170	67	36	24	20	21	
	101	49	29	22	21	23	
	175	68	37	24	22	25	
	103	50	29	23	26	31	
40	181	69	38	25	24	32	
	105	50	30	24	29	33	
	187	71	38	26	26	34	36
	107	51	31	25	29	34	
	192	72	39	26	24	33	31
	109	52	31	23	26	31	
	198	72	39	25	22	26	28
	111	52	30	22	22	24	
	204	73	39	25	21	22	23
	114	52	30	22	21	22	
	211	74	39	25	21	21	22
	116	53	30	22	20	21	
	218	76	39	25	20	21	22
	119	54	31	22	20	22	23
	226	77	40	25	20	22	24
	122	54	31	22	21	25	27
30	234	78	41	26	21	25	30
	125	55	32	23	22	31	31
	241	80	41	26	22	26	33
	128	56	32	23	23	32	35
	251	81	42	26	22	26	33
	131	57	32	23	22	29	29
	261	83	42	26	21	23	30
	135	58	33	22	20	24	26
	273	84	43	26	20	20	23
	138	59	33	22	19	20	23
	285	86	44	26	20	19	21
							22

Part2

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

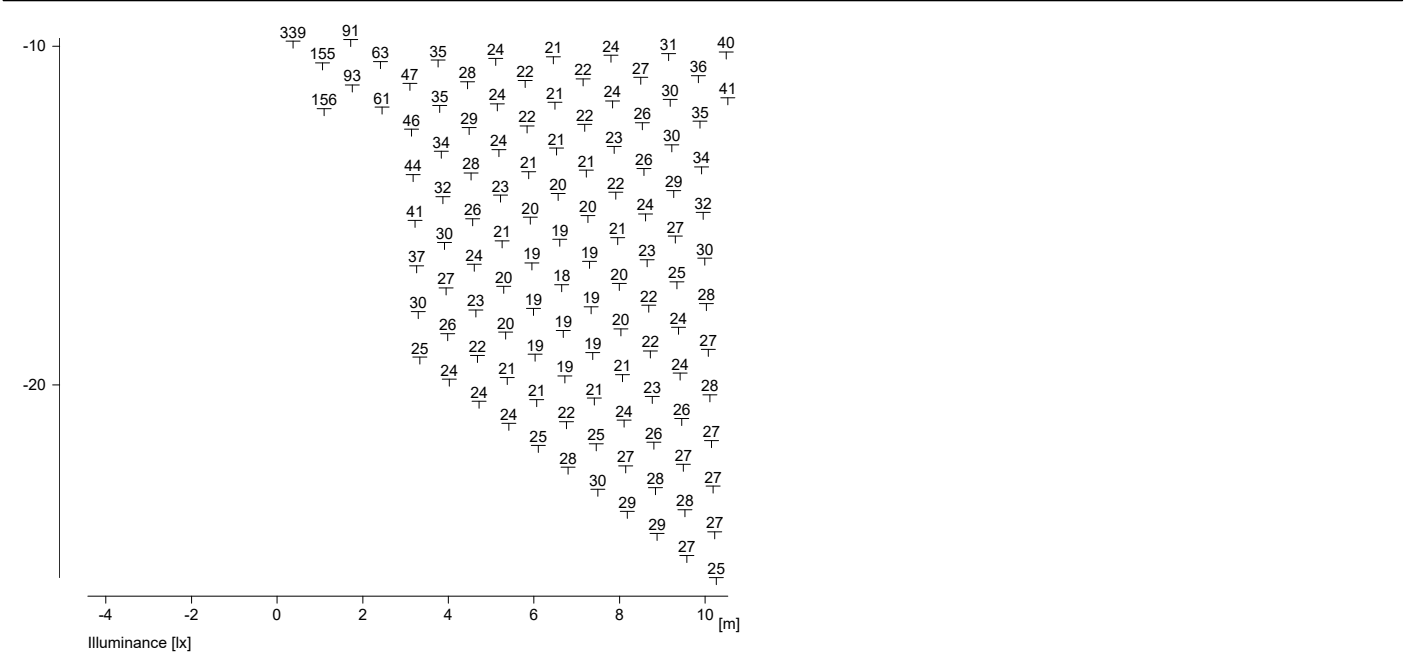
2.3.3 Table, East Side (E)



Part3

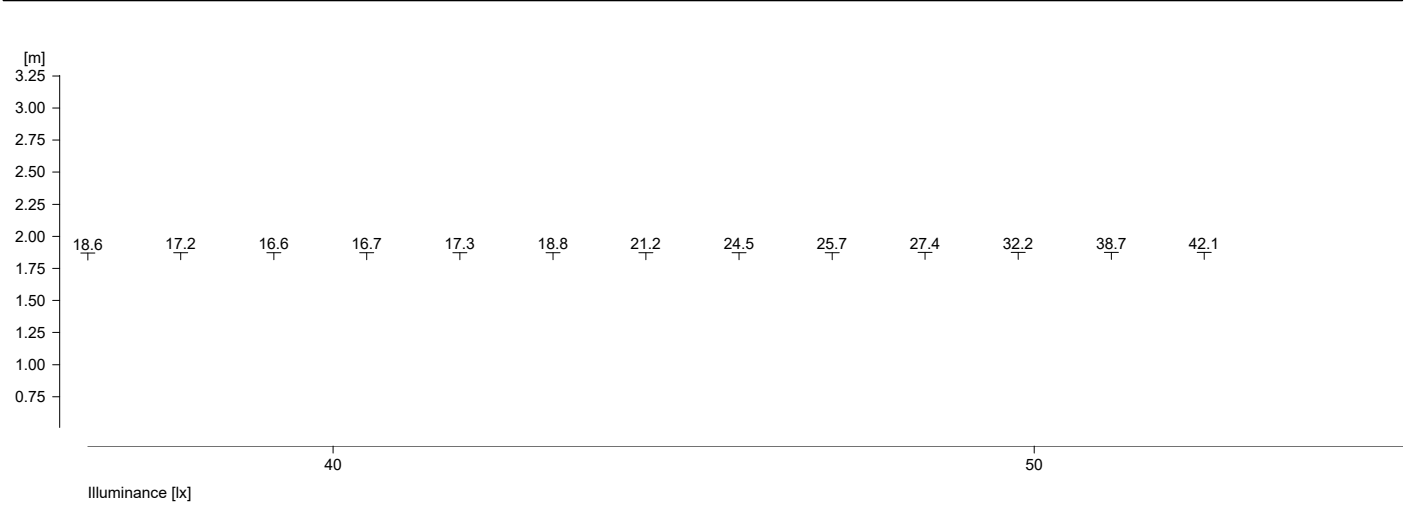
2.3 Calculation results, Exterior 1

2.3.3 Table, East Side (E)



2.3 Calculation results, Exterior 1

2.3.4 Table, South Side (E)



Part1

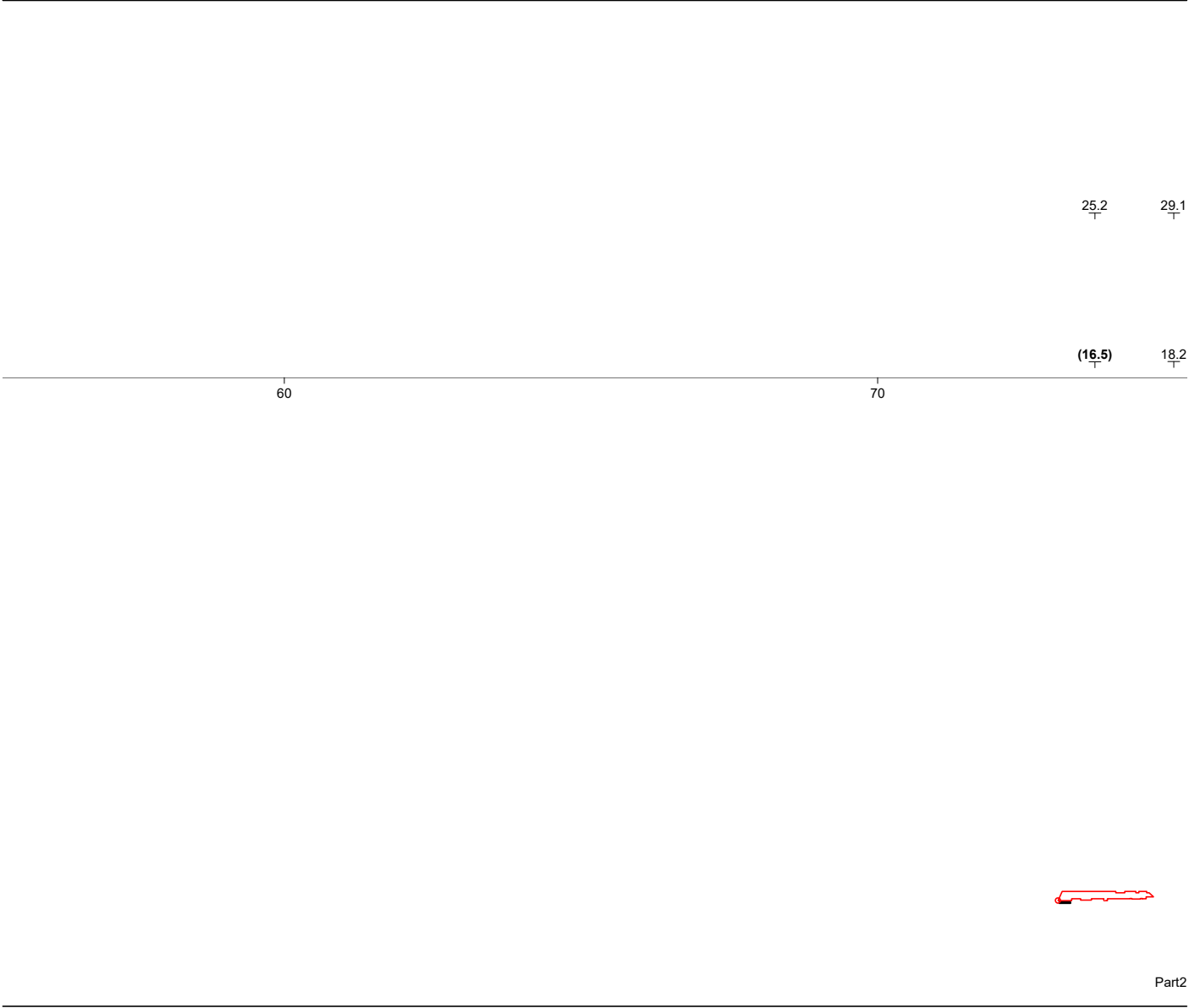
Average illuminance	Em	: 26 lx
Minimum illuminance	Emin	: 16.5 lx
Maximum illuminance	Emax	: 45.3 lx
Uniformity Uo	Emin/Em	: 1 : 1.58 (0.63)
Diversity Ud	Emin/Emax	: 1 : 2.74 (0.37)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.3 Calculation results, Exterior 1

2.3.4 Table, South Side (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.4 Table, South Side (E)

32.3
T

36.5
T

18.8
T

21
T

80

90



Part3

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.3 Calculation results, Exterior 1

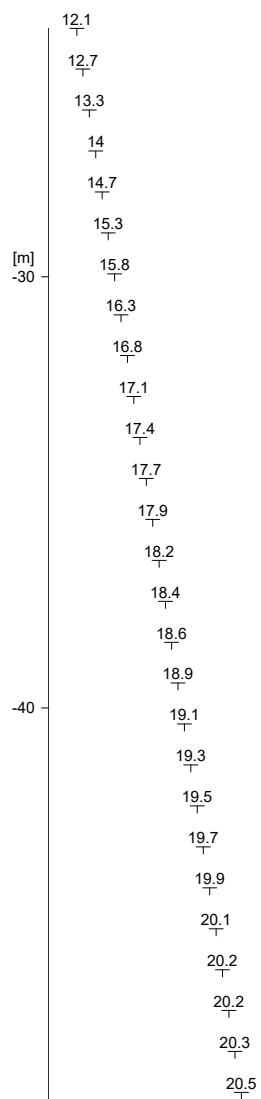
2.3.4 Table, South Side (E)



Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.5 Table, West Side (E)



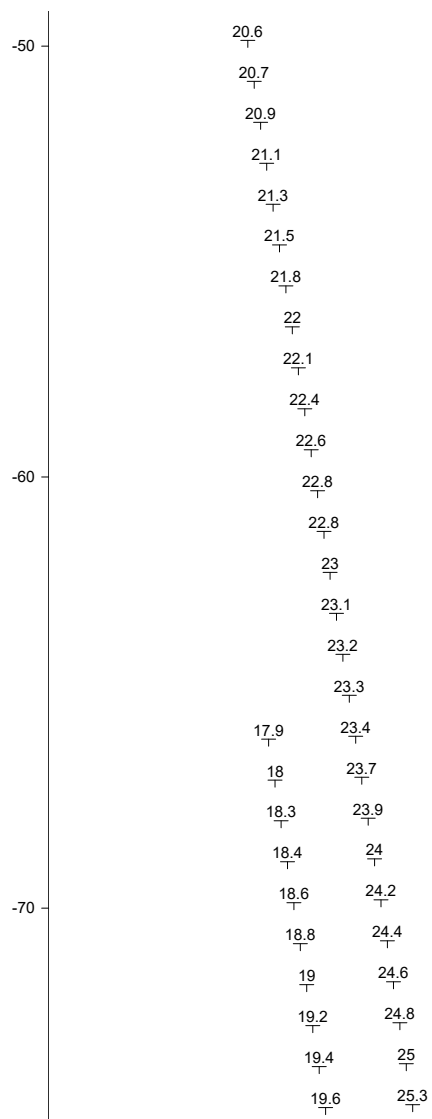
Part1

Height reference plane	: 0.00 m
Average illuminance	Em : 20.3 lx
Minimum illuminance	Emin : 9.3 lx
Maximum illuminance	Emax : 45.4 lx
Uniformity Uo	Emin/Em : 1 : 2.19 (0.46)
Diversity Ud	Emin/Emax : 1 : 4.89 (0.20)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.5 Table, West Side (E)

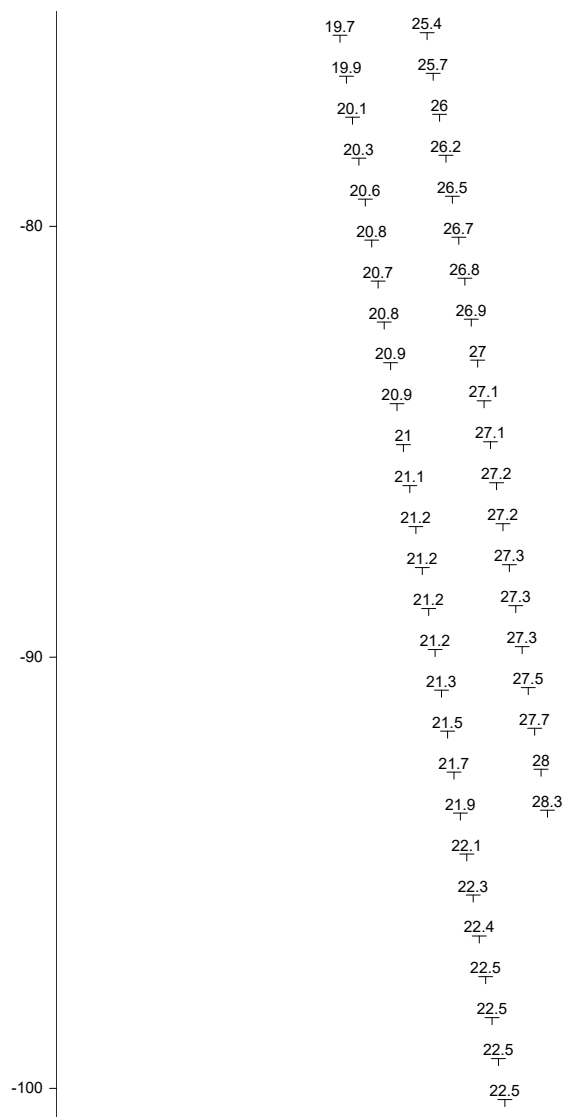


Part2

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

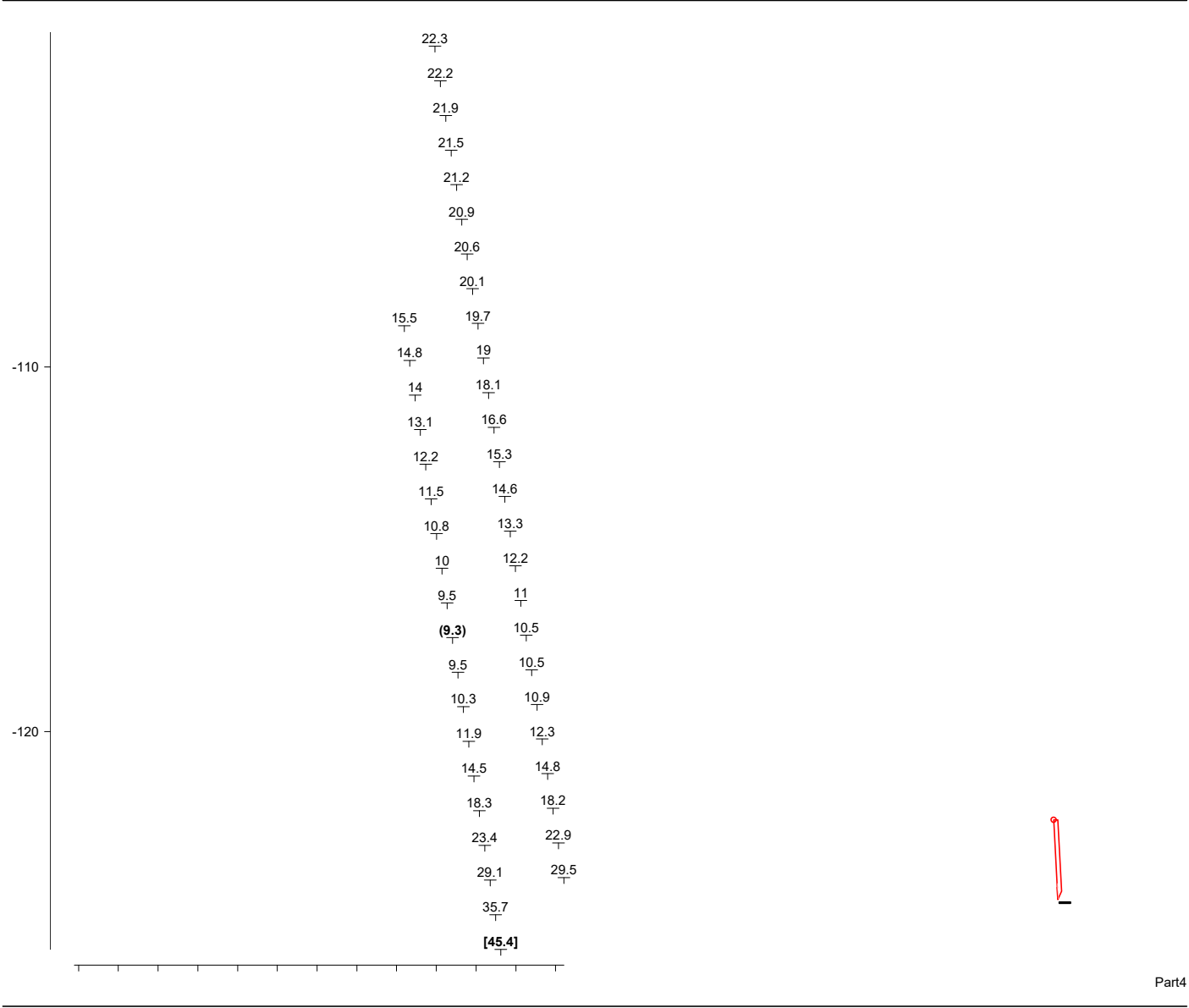
2.3.5 Table, West Side (E)



Part3

2.3 Calculation results, Exterior 1

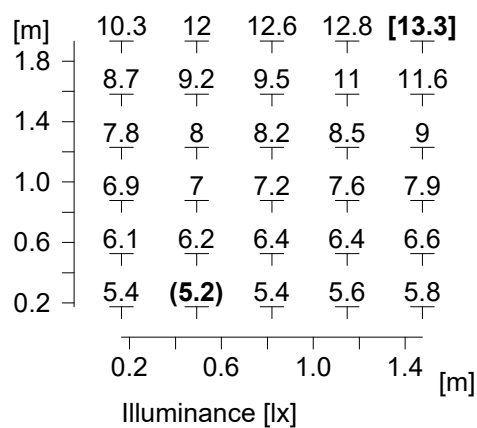
2.3.5 Table, West Side (E)



Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.6 Table, Steps 1 (E)



6

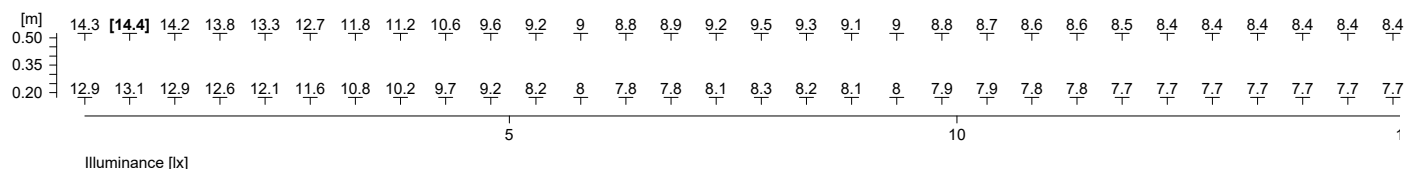
Average illuminance	Em	: 8.3 lx
Minimum illuminance	Emin	: 5.2 lx
Maximum illuminance	Emax	: 13.3 lx
Uniformity Uo	Emin/Em	: 1 : 1.58 (0.63)
Diversity Ud	Emin/Emax	: 1 : 2.54 (0.39)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2.3 Calculation results, Exterior 1

2.3.7 Table, Terrace 1 (E)



Part1

Height reference plane	: -0.77 m
Average illuminance	Em : 9.4 lx
Minimum illuminance	Emin : 7.2 lx
Maximum illuminance	Emax : 14.4 lx
Uniformity Uo	Emin/Em : 1 : 1.30 (0.77)
Diversity Ud	Emin/Emax : 1 : 2.00 (0.50)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.7 Table, Terrace 1 (E)

8.4	8.4	8.5	8.5	8.6	8.7	8.8	9	9.1	8.9	8.6	8.4	8.5	8.7	9.1	10	10.6	11.2	11.9	12.5	13	13.4	13.6	13.4	13.1	12.6	12	11.2	10.5	9.9	8.9
7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.9	8	7.9	7.5	7.4	7.6	7.9	8.7	9.2	9.7	10.2	10.9	11.4	11.9	12.2	12.4	12.3	11.9	11.5	11	10.4	9.7	9.1	8.6
15									20										25										30	



Part2

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

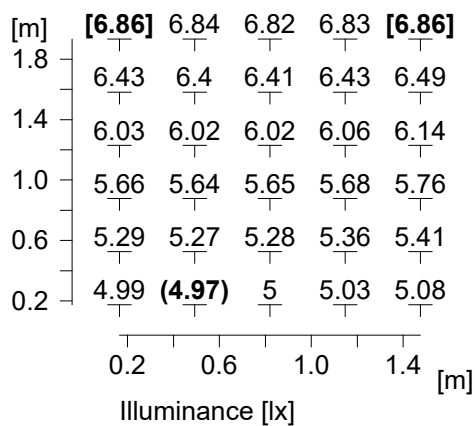
2.3.7 Table, Terrace 1 (E)



Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.8 Table, Steps 2 (E)

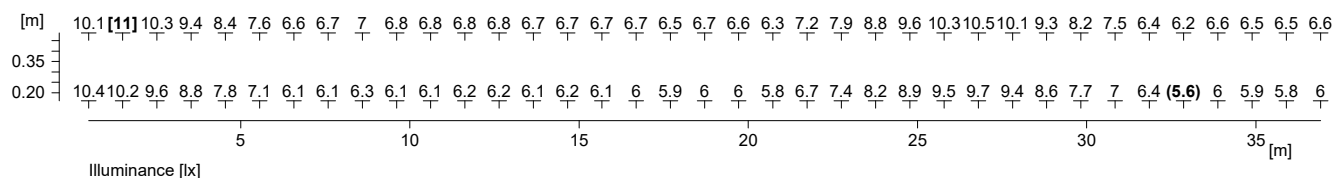


Average illuminance	Em	: 5.89 lx
Minimum illuminance	Emin	: 4.97 lx
Maximum illuminance	Emax	: 6.86 lx
Uniformity Uo	Emin/Em	: 1 : 1.18 (0.84)
Diversity Ud	Emin/Emax	: 1 : 1.38 (0.72)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.9 Table, Terrace 2 (E)

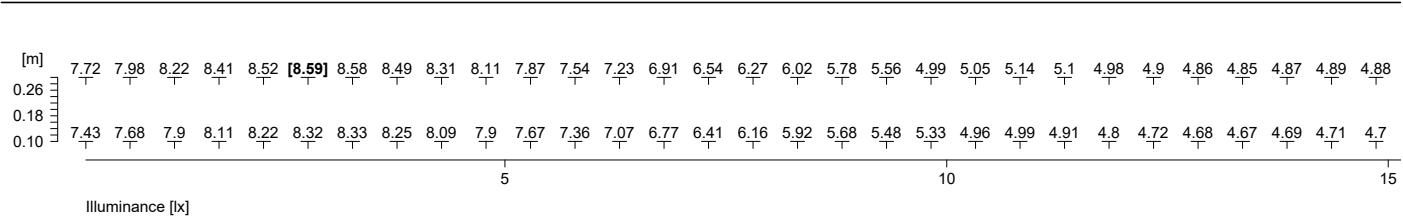


Height reference plane	: -1.20 m
Average illuminance	Em : 7.4 lx
Minimum illuminance	Emin : 5.6 lx
Maximum illuminance	Emax : 11 lx
Uniformity Uo	Emin/Em : 1 : 1.31 (0.76)
Diversity Ud	Emin/Emax : 1 : 1.94 (0.52)

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.10 Table, Terrace 3 (E)



Part1

Height reference plane		: -1.70 m
Average illuminance	Em	: 6.01 lx
Minimum illuminance	Emin	: 4.58 lx
Maximum illuminance	Emax	: 8.59 lx
Uniformity Uo	Emin/Em	: 1 : 1.31 (0.76)
Diversity Ud	Emin/Emax	: 1 : 1.87 (0.53)

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023



2.3 Calculation results, Exterior 1

2.3.10 Table, Terrace 3 (E)

4.98	4.98	4.97	4.96	4.84	4.83	4.81	4.77	4.75	4.77	4.82	4.91	4.98	4.94	4.84	5.33	5.51	5.72	5.96	6.2	6.53	6.81	7.1	7.36	7.63	7.81	7.97	8.03	8	7.86	7.7
4.68	4.79	4.79	4.66	4.65	4.65	4.64	4.59	(4.58)	4.6	4.65	4.74	4.84	4.86	4.79	5.28	5.45	5.65	5.87	6.09	6.4	6.68	6.94	7.19	7.44	7.61	7.75	7.8	7.78	7.66	7.51
										20											25									30



Part2

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

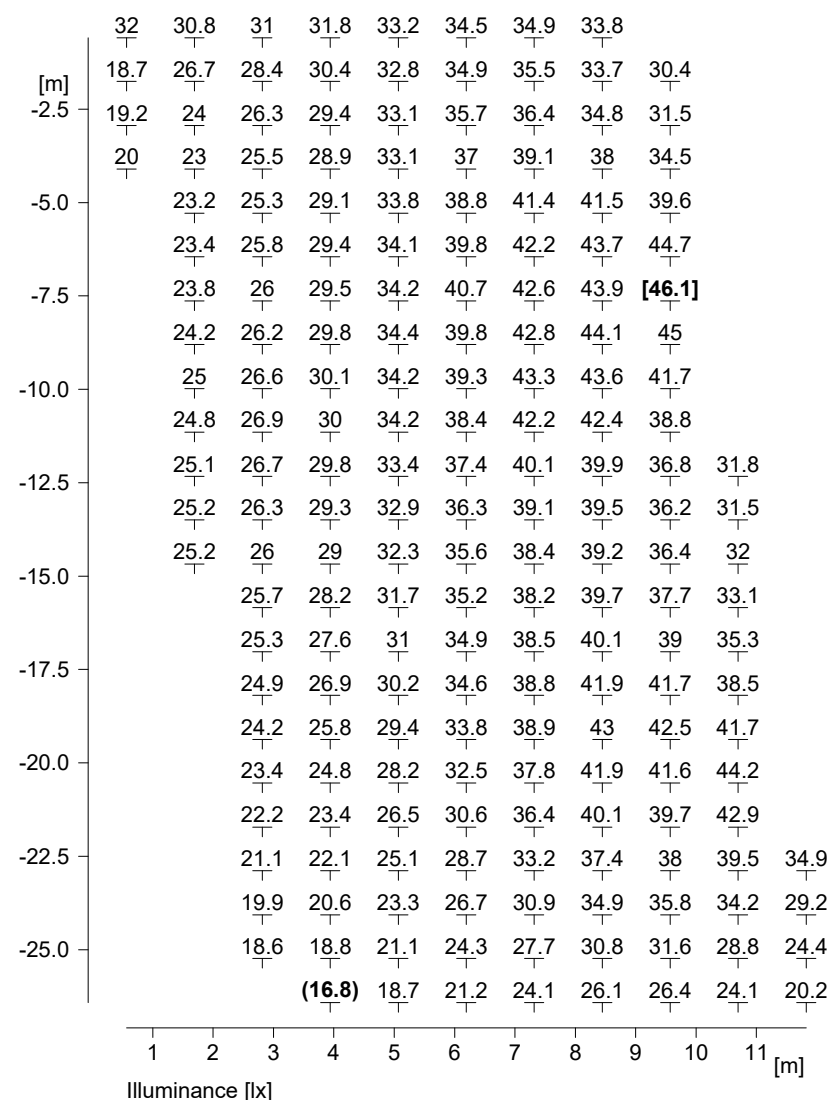
2.3.10 Table, Terrace 3 (E)

7.49	7.2	6.93	6.66	6.32	6.09	5.89	5.69	5.5	4.95	5	5.1	5.08	5	4.95	4.94	4.98	5.06	5.17	5.28	5.47	5.55	5.63
7.31	7.04	6.79	6.53	6.23	6.01	5.81	5.62	5.44	5.31	4.95	4.99	4.94	4.86	4.81	4.8	4.83	4.89	4.97	5.05	5.12	5.31	5.4
										35												

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

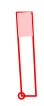
2.3.11 Table, Bridge (E)



Height reference plane	: 0.00 m
Average illuminance	Em : 32.3 lx
Minimum illuminance	Emin : 16.8 lx
Maximum illuminance	Emax : 46.1 lx
Uniformity Uo	Emin/Em : 1 : 1.92 (0.52)
Diversity Ud	Emin/Emax : 1 : 2.74 (0.36)



2.3.12 Table, West Ramp (E)



Part1

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.12 Table, West Ramp (E)

80	31.9	36.5	39.4	39.9	38	35.3	32.1	28.7	25.8	23.4	20.9	18.9	17.4	15.4	13.7	10.5	7.6	6	5.2	4.6
	30.7	35.3	38.4	39.3	38	35.4	32.5	29.4	26.2	23.4	21	19.2	17.6	16.4	13.9	12.2	7.7	6.3	5	(4.5)
	30.2	34.9	38.2	39.4	38.1	35.9	32.9	29.7	26.4	23.7	21.3	19.3	17.8	16.6	14.3	13.4	7.8	6.2	5	(4.5)
	30.6	35.9	38.9	40.1	38.8	36.2	33.1	29.8	26.7	24.1	21.6	19.5	17.9	16.7	14.3	13.8	8.2	6.5	5.1	(4.5)
	32.7	38	40.9	41.9	39.9	36.7	33.5	30.1	27	24.3	22.1	19.6	17.9	16.7	14.4	13.9	8.2	6.6	5.3	4.7
	35.4	40.8	42.9	43.1	40.8	37.1	33.4	30.2	27	24.4	22.2	19.8	18	16.8	14.6	13.9	8.3	6.6	5.3	4.8
	39.3	44.3	43.8	43.5	41	36.8	33.1	29.7	27	24.5	22.2	19.8	18.1	17	14.6	13.9	8.3	6.7	5.3	4.8
	43	46.6	44.4	44.1	41.8	36.9	33	29.5	26.9	24.4	22	19.6	18.1	16.9	14.6	13.7	8.2	6.6	5.2	4.7
	43.9	47.1	44.6	45.2	42.7	37.1	32.7	29.4	26.4	24.4	21.9	19.8	18	16.8	15	13.7	8.3	6.6	5.2	4.7
	41.9	46.3	45.2	45.8	42	37.2	32.9	29.3	26.3	23.9	22	19.8	17.9	16.8	15.7	13.6	8.4	6.7	5.1	4.7
70	38.8	43.5	45.4	45.6	41.7	37	32.9	29.2	26.2	23.8	22	20	17.9	16.7	16	13.6	8.9	6.6	5.1	4.6
	36.1	41.4	44.4	43.8	40.7	36.7	32.5	28.9	26.1	23.8	21.6	20	18	16.8	16.1	13.6	10.9	6.7	5.1	4.6
	34.2	39.1	42	42.1	39.9	35.9	32.1	28.8	26.2	23.8	21.6	19.7	18	16.8	16.1	13.7	12.9	6.8	5.1	4.6
	32.6	37.8	40.8	40.7	38.9	35.7	31.9	28.9	26.2	23.8	21.6	19.8	18	16.8	16.1	13.7	13.6	7	5.2	4.7
	31.2	36	39.1	39.9	38.2	35.6	32.4	29.1	26.3	23.9	21.8	20	18	16.9	16.2	13.8	13.7	7	5.4	
	30.2	34.8	38.1	39.3	38.1	35.7	32.7	29.6	26.5	23.8	21.8	20.1	18.6	17.2	16.3	14	13.7	7.3	5.6	
	29.8	34.5	38	39.3	38.2	36	33.1	29.9	26.8	24.1	22	20.3	18.8	17.3	16.6	14.7	13.8	7.2	5.5	
	30.2	35.4	38.5	39.8	38.8	36.4	33.4	30	27	24.4	22.1	20.3	18.9	17.2	16.4	15.5	14	7.6	5.6	
	32.2	37.4	40.5	41.7	40	37	33.8	30.3	27.3	24.6	22.5	20.4	18.9	17.2	16.4	16.2	14	7.7	5.9	
	34.8	40.3	42.7	43.3	40.9	37.4	33.7	30.4	27.3	24.7	22.5	20.6	18.9	17.2	16.6	16.3	14	7.8	6.1	
60	38.5	43.8	43.8	43.6	41.2	37.2	33.5	30.1	27.2	24.7	22.5	20.5	18.9	17.5	16.5	16.2	13.9	8	6.1	
	42.2	46.6	44.5	44.1	42	37.3	33.4	30	27.1	24.7	22.3	20.2	18.8	17.5	16.3	16	13.7	8.8	6.1	
	44.2	47	44.8	45.2	43	37.5	33.1	29.7	26.6	24.6	22.1	20.3	18.7	17.6	16.2	15.9	13.7	11.7	6.2	
	42.5	46.9	45.2	45.9	42.4	37.6	33.1	29.6	26.6	24.1	22.2	20.2	18.5	17.5	16.1	15.7	13.6	13.7	6.2	
	39.3	44.1	45.5	46	41.8	37.4	33.3	29.6	26.5	23.9	22.1	20	18.4	17.4	16	15.7	13.8	13.9	6.3	
	36.5	41.9	44.9	44.3	41.1	37.1	32.9	29.3	26.5	24	21.7	20.1	18.5	17.4	16.1	15.7	14.8	13.9	6.3	
	34.5	39.5	42.5	42.5	40.1	36.4	32.5	29.1	26.5	23.9	21.6	19.7	18.5	17.4	16.1	15.7	15.7	14	6.5	
	32.8	38.1	41.2	41.1	39.3	36	32.3	29.2	26.5	23.9	21.6	19.8	18.4	17.3	16.4	15.7	15.9	14	6.6	
	31.5	36.4	39.6	40.3	38.6	35.8	32.6	29.3	26.5	24	21.8	19.9	18.3	17.4	16.6	15.7	15.9	14	6.8	
	30.4	35.1	38.5	39.6	38.3	35.9	33	29.9	26.7	24	21.7	20	18.6	17.5	16.7	15.8	15.9	13.9	6.9	
50	29.9	34.7	38.3	39.5	38.5	36.2	33.3	30.2	27	24.2	21.9	20.1	18.7	17.6	17	16	15.8	13.9	7	
	30.2	35.4	38.5	39.9	38.9	36.5	33.6	30.2	27.2	24.6	22.1	20.2	18.7	17.5	16.8	15.8	16.1	14.1	7.1	
	32.1	37.3	40.4	41.7	40	37	33.8	30.5	27.4	24.7	22.5	20.3	18.7	17.5	16.8	16	16.1	14.2	8	
	34.6	40.1	42.6	43.3	41	37.4	33.8	30.6	27.4	24.9	22.6	20.4	18.6	17.5	16.9	16.2	16	14.5	11.9	
	37.9	43.4	43.7	43.6	41.7	37.2	33.6	30.2	27.4	24.8	22.6	20.3	18.6	17.6	16.8	16.4	16	16	14.7	



Part2

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.12 Table, West Ramp (E)

40	41.8	46.4	44.3	43.9	41.9	37.3	33.4	30	27.2	24.7	22.4	20.2	18.5	17.4	16.6	16.2	15.7	16.4	14.8
	44	46.9	44.6	45	42.9	37.4	33.1	29.7	26.7	24.6	22.2	20.1	18.4	17.2	16.4	16.1	15.6	16.4	14.8
	42.3	46.8	45	45.7	42.4	37.5	33	29.5	26.5	24.2	22	20.1	18.2	17.1	16.3	16	15.5	16.3	14.7
	39.2	44	45.2	45.8	41.7	37.2	33.1	29.4	26.4	23.9	22.1	20	18.1	17	16.2	15.9	15.4	16.1	14.6
	36.3	41.7	44.6	44.1	40.9	36.9	32.7	29.1	26.2	23.9	21.7	20	18.3	17	16.2	15.9	15.5	16.1	14.5
	34.1	39.1	42.2	42.2	39.8	36.1	32.3	28.9	26.3	23.8	21.5	19.6	18.4	17	16.1	15.8	16	16.1	14.5
	32.3	37.5	40.7	40.7	39	35.5	32	28.9	26.2	23.7	21.5	19.6	18.4	16.9	16.1	15.8	16	16.1	14.5
	30.9	35.7	38.9	39.5	38.1	35.4	32.2	29	26.2	23.7	21.6	19.7	18.1	16.9	16.1	15.8	16	16	15
	29.7	34.3	37.6	38.9	37.7	35.4	32.5	29.5	26.4	23.9	21.6	19.8	18.4	17.3	16.2	15.9	16	16	17.1
	28.9	33.6	36.9	38.5	37.8	35.6	32.8	29.8	26.6	23.9	21.7	19.9	18.5	17.4	16.4	16.1	16	16	17.3
30	28.9	34	37.1	38.7	38.1	35.9	33.2	29.9	26.9	24.2	21.9	20	18.5	17.4	16.3	15.9	16.2	16.2	17.4
	29.8	35.4	38.7	40.3	39.1	36.4	33.4	30.2	27.1	24.4	22.2	20.2	18.5	17.3	16.3	16	16.2	16.7	17.6
	32.6	38	40.9	41.9	40.1	36.9	33.4	30.3	27.2	24.5	22.3	20.3	18.5	17.3	16.6	16	16.1	16.9	17.5
	35.5	41.2	42.4	42.1	41	36.8	33.2	29.9	27.1	24.5	22.3	20.2	18.6	17.4	16.6	15.9	16	16.8	17.4
	38.9	44.4	43.3	42.4	41.2	36.9	33	29.7	27	24.4	22.2	20.1	18.4	17.2	16.4	15.7	15.8	16.6	17.2
	41.9	45.4	43.6	43.1	42.2	37.1	32.8	29.4	26.4	24.3	22	19.9	18.3	17.1	16.2	15.6	15.6	16.4	17.1
	40.8	45.5	43.9	44.1	42.2	37.2	32.8	29.3	26.3	23.9	21.8	19.9	18.1	16.9	16.1	15.6	15.4	16.2	16.9
	38	42.9	43.9	44.7	41.3	37	32.9	29.3	26.2	23.7	21.8	19.7	17.9	16.8	15.9	15.5	15.3	16	16.8
	35.3	40.7	43.6	43.8	40.8	36.8	32.7	29	26	23.7	21.4	19.7	18	16.8	15.9	15.4	15.1	15.9	17.3
	33	38.2	41.6	41.9	39.6	36.2	32.3	28.8	26.1	23.6	21.3	19.3	17.9	16.7	15.7	15.3	15.1	15.8	17.2
20	31.4	36.5	39.9	40.5	39	35.5	31.9	28.8	26	23.5	21.2	19.2	17.8	16.5	15.7	15.3	15.3	15.7	17.1
	30.2	35.2	38.7	39.4	38.2	35.4	32.1	28.8	26	23.4	21.2	19.2	17.6	16.5	15.6	15.2	15.3	15.6	17
	29.2	34	37.5	38.9	37.7	35.4	32.4	29.2	26.1	23.5	21.1	19.3	17.8	16.6	15.6	15.2	15.2	15.5	17
	28.6	33.2	36.8	38.5	37.7	35.5	32.7	29.5	26.3	23.4	21.2	19.4	17.8	16.6	15.8	15.4	15.2	15.4	16.7
	28.6	33.6	36.8	38.5	38	35.8	33	29.7	26.5	23.8	21.3	19.4	17.8	16.6	15.6	15.2	15.3	15.9	16.6
	29.4	35	38.3	40	38.9	36.3	33.2	29.9	26.8	23.9	21.6	19.5	17.8	16.5	15.6	15.2	15.2	15.8	16.7
	31.8	37.6	40.6	41.6	39.9	36.7	33.2	30.1	26.8	24.1	21.7	19.6	17.8	16.4	15.6	15.1	15.1	15.7	16.6
	34.6	40.6	42.1	41.9	40.8	36.9	33	29.6	26.7	24.1	21.7	19.5	17.7	16.3	15.5	15	15	15.5	16.5
	38.2	43.9	43.3	42.1	40.9	36.6	32.7	29.3	26.5	23.9	21.6	19.4	17.5	16.4	15.3	14.7	14.7	15.3	16.6
	41.3	44.9	43.1	42.6	41.8	36.7	32.4	28.9	25.9	23.7	21.3	19.2	17.4	16.1	15.1	14.5	14.5	15.1	16.4
	40.3	45.1	43.4	43.5	41.8	36.7	32.3	28.7	25.7	23.2	21.1	19.1	17.2	15.9	14.9	14.3	14.2	14.8	16.1
	37.5	42.5	43.3	44.2	40.9	36.5	32.3	28.7	25.5	23	21	18.9	17.1	15.7	14.7	14	14	14.6	15.9
	34.8	40.1	43	43.2	40.2	36.2	32	28.3	25.3	22.9	20.6	18.8	17	15.7	14.5	13.8	13.7	14.3	15.5
	32.3	37.6	40.9	41.1	38.9	35.4	31.5	28	25	22.7	20.3	18.3	16.8	15.5	14.5	13.7	13.6	14.1	15.3
	30.7	35.7	39	39.6	38	34.6	31	27.7	25	22.4	20.1	18.1	16.6	15.2	14.2	13.5	13.4	13.8	15



Part3

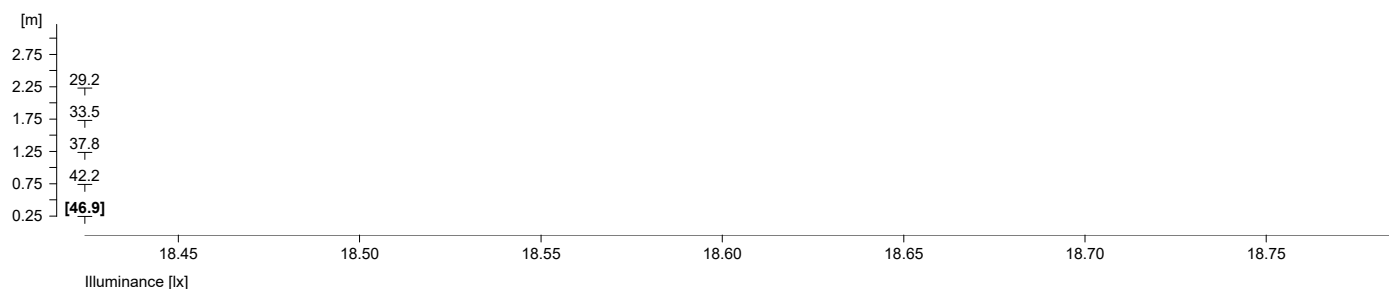


!

Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.13 Table, Emergency Services Access Route (E)



Part1

Height reference plane		: 0.00 m
Average illuminance	Em	: 35.1 lx
Minimum illuminance	Emin	: 21.2 lx
Maximum illuminance	Emax	: 46.9 lx
Uniformity Uo	Emin/Em	: 1 : 1.65 (0.61)
Diversity Ud	Emin/Emax	: 1 : 2.21 (0.45)

2.3 Calculation results, Exterior 1

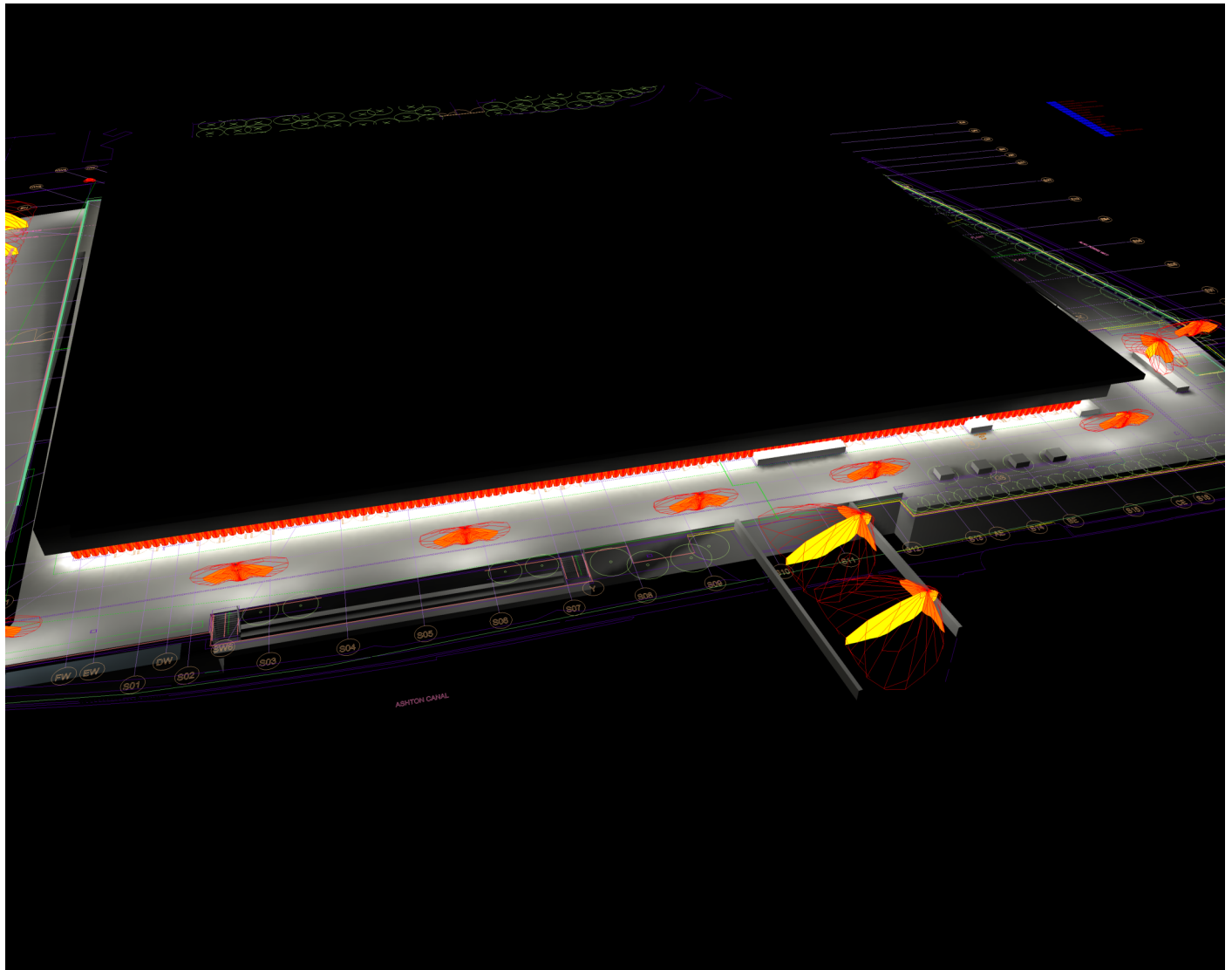
2.3.13 Table, Emergency Services Access Route (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.3 Calculation results, Exterior 1

2.3.14 3D luminance, View 1

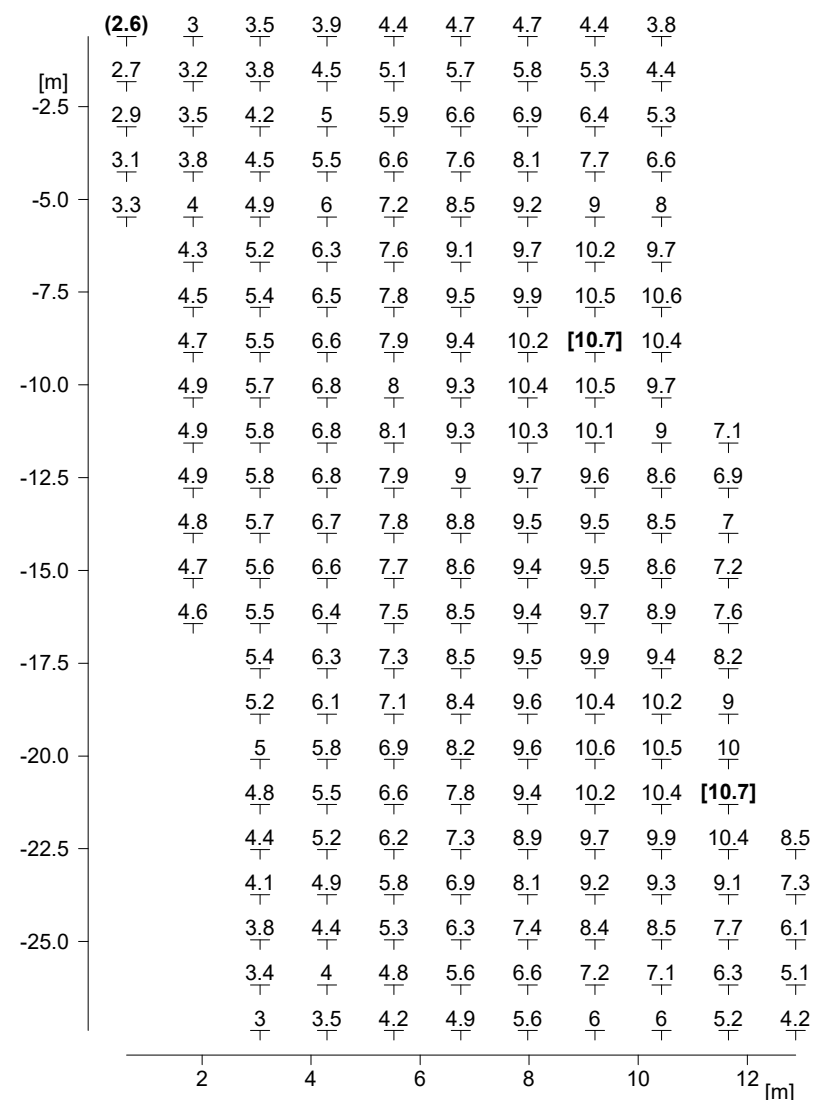


Object : External Lighting
 Installation : COOP LIVE
 Project number : 24
 Date : 07.01.2023

2 Exterior 1

2.4 Calculation results, Exterior 1

2.4.1 Table, Bridge Emergency (E)



Required minimum illuminance : 1 lx (lower values are highlighted in red)

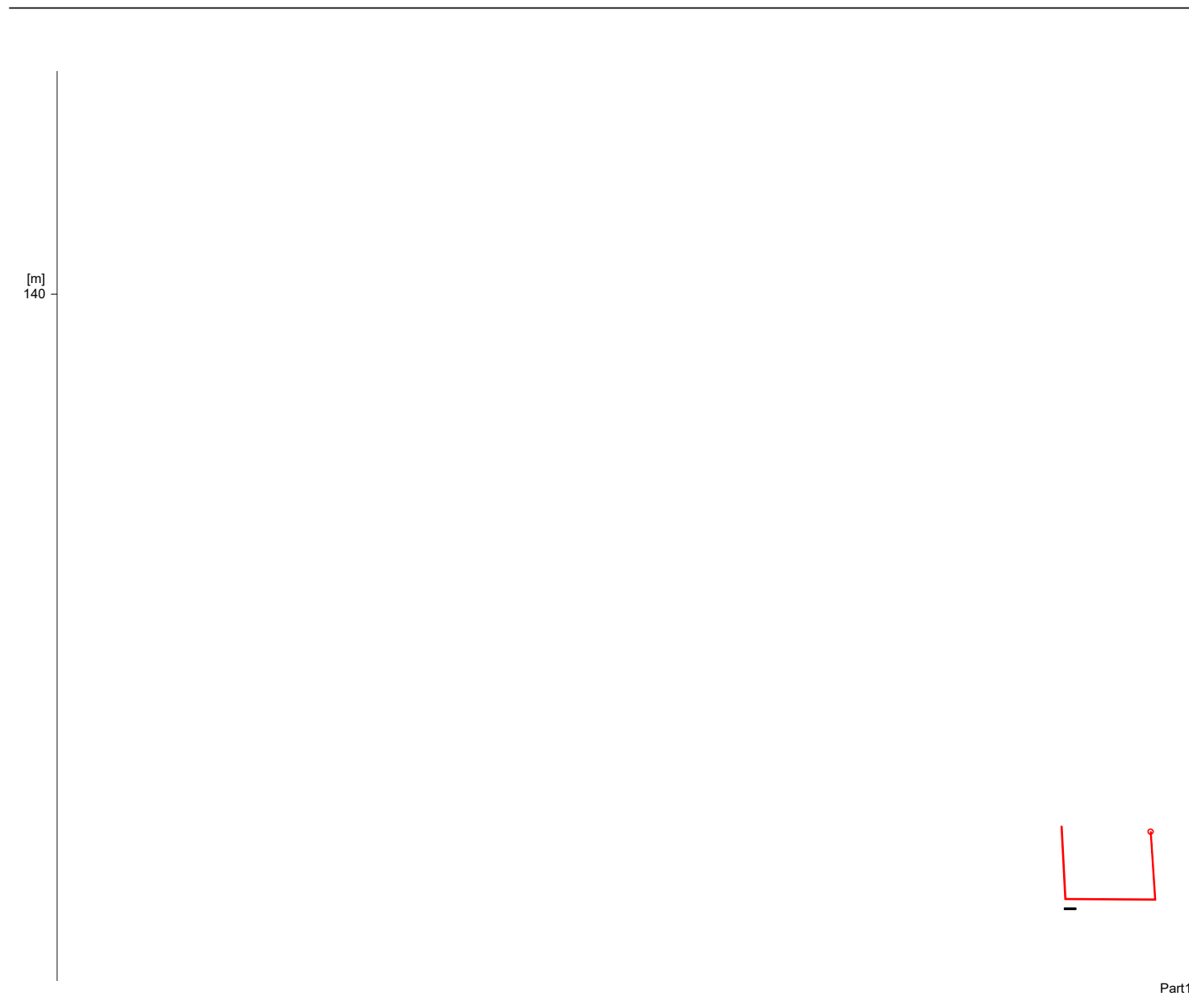
Minimum illuminance Emin : 2.6 lx (* 2.4 lx)
 Maximum illuminance Emax : 11 lx (* 11 lx)
 Diversity Emin/Emax : 1 : 4.08 (0.25) (Threshold value 1:40) (* 1:4.58)
 Height : 0 m
 Calculation algorithm used : Direct component
 Maintenance factor : 0.8

*: Values on fine measuring grid (0.1m - 0.5m)!

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Required minimum illuminance (central axis) : 1 lx (lower values are highlighted in red)

Minimum illuminance (central axis)	Emin	: 3.6 lx
Maximum illuminance (central axis)	Emax	: 55 lx
Diversity	Emin/Emax	: 1 : 15.50 (0.06) (Threshold value 1:40)
Minimum illuminance	Emin	: 2.5 lx
Maximum illuminance	Emax	: 91 lx
Diversity	Emin/Emax	: 1 : 36.90 (0.03) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

Compliance with the standard cannot be assessed on the basis of the table alone. Please use the overview for this!

MTS - Penistone 1, St Mary's St, Penistone. S36 6DT

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

36.7	36.6	36.4	36.3	36.2	36.1	36.0	35.9	35.8	35.7	35.6	35.5	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6	33.5	33.4	33.3	33.2	33.1	33.0	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	29.0	28.9	28.8	28.7	28.6	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.8	27.7	27.6	27.5	27.4	27.3	27.2	27.1	27.0	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26.0	25.9	25.8	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.5	22.4	22.3	22.2	22.1	22.0	21.9	21.8	21.7	21.6	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.4	-0.5	-0.6	-0.7	-0.8	-0.9	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.3	-2.4	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.1	-3.2	-3.3	-3.4	-3.5	-3.6	-3.7	-3.8	-3.9	-4.0	-4.1	-4.2	-4.3	-4.4	-4.5	-4.6	-4.7	-4.8	-4.9	-5.0	-5.1	-5.2	-5.3	-5.4	-5.5	-5.6	-5.7	-5.8	-5.9	-6.0	-6.1	-6.2	-6.3	-6.4	-6.5	-6.6	-6.7	-6.8	-6.9	-7.0	-7.1	-7.2	-7.3	-7.4	-7.5	-7.6	-7.7	-7.8	-7.9	-8.0	-8.1	-8.2	-8.3	-8.4	-8.5	-8.6	-8.7	-8.8	-8.9	-9.0	-9.1	-9.2	-9.3	-9.4	-9.5	-9.6	-9.7	-9.8	-9.9	-10.0	-10.1	-10.2	-10.3	-10.4	-10.5	-10.6	-10.7	-10.8	-10.9	-11.0	-11.1	-11.2	-11.3	-11.4	-11.5	-11.6	-11.7	-11.8	-11.9	-12.0	-12.1	-12.2	-12.3	-12.4	-12.5	-12.6	-12.7	-12.8	-12.9	-13.0	-13.1	-13.2	-13.3	-13.4	-13.5	-13.6	-13.7	-13.8	-13.9	-14.0	-14.1	-14.2	-14.3	-14.4	-14.5	-14.6	-14.7	-14.8	-14.9	-15.0	-15.1	-15.2	-15.3	-15.4	-15.5	-15.6	-15.7	-15.8	-15.9	-16.0	-16.1	-16.2	-16.3	-16.4	-16.5	-16.6	-16.7	-16.8	-16.9	-17.0	-17.1	-17.2	-17.3	-17.4	-17.5	-17.6	-17.7	-17.8	-17.9	-18.0	-18.1	-18.2	-18.3	-18.4	-18.5	-18.6	-18.7	-18.8	-18.9	-19.0	-19.1	-19.2	-19.3	-19.4	-19.5	-19.6	-19.7	-19.8	-19.9	-20.0	-20.1	-20.2	-20.3	-20.4	-20.5	-20.6	-20.7	-20.8	-20.9	-21.0	-21.1	-21.2	-21.3	-21.4	-21.5	-21.6	-21.7	-21.8	-21.9	-22.0	-22.1	-22.2	-22.3	-22.4	-22.5	-22.6	-22.7	-22.8	-22.9	-23.0	-23.1	-23.2	-23.3	-23.4	-23.5	-23.6	-23.7	-23.8	-23.9	-24.0	-24.1	-24.2	-24.3	-24.4	-24.5	-24.6	-24.7	-24.8	-24.9	-25.0	-25.1	-25.2	-25.3	-25.4	-25.5	-25.6	-25.7	-25.8	-25.9	-26.0	-26.1	-26.2	-26.3	-26.4	-26.5	-26.6	-26.7	-26.8	-26.9	-27.0	-27.1	-27.2	-27.3	-27.4	-27.5	-27.6	-27.7	-27.8	-27.9	-28.0	-28.1	-28.2	-28.3	-28.4	-28.5	-28.6	-28.7	-28.8	-28.9	-29.0	-29.1	-29.2	-29.3	-29.4	-29.5	-29.6	-29.7	-29.8	-29.9	-30.0	-30.1	-30.2	-30.3	-30.4	-30.5	-30.6	-30.7	-30.8	-30.9	-31.0	-31.1	-31.2	-31.3	-31.4	-31.5	-31.6	-31.7	-31.8	-31.9	-32.0	-32.1	-32.2	-32.3	-32.4	-32.5	-32.6	-32.7	-32.8	-32.9	-33.0	-33.1	-33.2	-33.3	-33.4	-33.5	-33.6	-33.7	-33.8	-33.9	-34.0	-34.1	-34.2	-34.3	-34.4	-34.5	-34.6	-34.7	-34.8	-34.9	-35.0	-35.1	-35.2	-35.3	-35.4	-35.5	-35.6	-35.7	-35.8	-35.9	-36.0	-36.1	-36.2	-36.3	-36.4	-36.5	-36.6	-36.7	-36.8	-36.9	-37.0	-37.1	-37.2	-37.3	-37.4	-37.5	-37.6	-37.7	-37.8	-37.9	-38.0	-38.1	-38.2	-38.3	-38.4	-38.5	-38.6	-38.7	-38.8	-38.9	-39.0	-39.1	-39.2	-39.3	-39.4	-39.5	-39.6	-39.7	-39.8	-39.9	-40.0	-40.1	-40.2	-40.3	-40.4	-40.5	-40.6	-40.7	-40.8	-40.9	-41.0	-41.1	-41.2	-41.3	-41.4	-41.5	-41.6	-41.7	-41.8	-41.9	-42.0	-42.1	-42.2	-42.3	-42.4	-42.5	-42.6	-42.7	-42.8	-42.9	-43.0	-43.1	-43.2	-43.3	-43.4	-43.5	-43.6	-43.7	-43.8	-43.9	-44.0	-44.1	-44.2	-44.3	-44.4	-44.5	-44.6	-44.7	-44.8	-44.9	-45.0	-45.1	-45.2	-45.3	-45.4	-45.5	-45.6	-45.7	-45.8	-45.9	-46.0	-46.1	-46.2	-46.3	-46.4	-46.5	-46.6	-46.7	-46.8	-46.9	-47.0	-47.1	-47.2	-47.3	-47.4	-47.5	-47.6	-47.7	-47.8	-47.9	-48.0	-48.1	-48.2	-48.3	-48.4	-48.5	-48.6	-48.7	-48.8	-48.9	-49.0	-49.1	-49.2	-49.3	-49.4	-49.5	-49.6	-49.7	-49.8	-49.9	-50.0	-50.1	-50.2	-50.3	-50.4	-50.5	-50.6	-50.7	-50.8	-50.9	-51.0	-51.1	-51.2	-51.3	-51.4	-51.5	-51.6	-51.7	-51.8	-51.9	-52.0	-52.1	-52.2	-52.3	-52.4	-52.5	-52.6	-52.7	-52.8	-52.9	-53.0	-53.1	-53.2	-53.3	-53.4	-53.5	-53.6	-53.7	-53.8	-53.9	-54.0	-54.1	-54.2	-54.3	-54.4	-54.5	-54.6	-54.7	-54.8	-54.9	-55.0	-55.1	-55.2	-55.3	-55.4	-55.5	-55.6	-55.7	-55.8	-55.9	-56.0	-56.1	-56.2	-56.3	-56.4	-56.5	-56.6	-56.7	-56.8	-56.9	-57.0	-57.1	-57.2	-57.3	-57.4	-57.5	-57.6	-57.7	-57.8	-57.9	-58.0	-58.1	-58.2	-58.3	-58.4	-58.5	-58.6	-58.7	-58.8	-58.9	-59.0	-59.1	-59.2	-59.3	-59.4	-59.5	-59.6	-59.7	-59.8	-59.9	-60.0	-60.1	-60.2	-60.3	-60.4	-60.5	-60.6	-60.7	-60.8	-60.9	-61.0	-61.1	-61.2	-61.3	-61.4	-61.5	-61.6	-61.7	-61.8	-61.9	-62.0	-62.1	-62.2	-62.3	-62.4	-62.5	-62.6	-62.7	-62.8	-62.9	-63.0	-63.1	-63.2	-63.3	-63.4	-63.5	-63.6	-63.7	-63.8	-63.9	-64.0	-64.1	-64.2	-64.3	-64.4	-64.5	-64.6	-64.7	-64.8	-64.9	-65.0	-65.1	-65.2	-65.3	-65.4	-65.5	-65.6	-65.7	-65.8	-65.9	-66.0	-66.1	-66.2	-66.3	-66.4	-66.5	-66.6	-66.7	-66.8	-66.9	-67.0	-67.1	-67.2	-67.3	-67.4	-67.5	-67.6	-67.7	-67.8	-67.9	-68.0	-68.1	-68.2	-68.3	-68.4	-68.5	-68.6	-68.7	-68.8	-68.9	-69.0	-69.1	-69.2	-69.3	-69.4	-69.5	-69.6	-69.7	-69.8	-69.9	-70.0	-70.1	-70.2	-70.3	-70.4	-70.5	-70.6	-70.7	-70.8	-70.9	-71.0	-71.1	-71.2	-71.3	-71.4	-71.5	-71.6	-71.7	-71.8	-71.9	-72.0	-72.1	-72.2	-72.3	-72.4	-72.5	-72.6	-72.7	-72.8	-72.9	-73.0	-73.1	-73.2	-73.3	-73.4	-73.5	-73.6	-73.7	-73.8	-73.9	-74.0	-74.1	-74.2	-74.3	-74.4	-74.5	-74.6	-74.7	-74.8	-74.9	-75.0	-75.1	-75.2	-75.3	-75.4	-75.5	-75.6	-75.7	-75.8	-75.9	-76.0	-76.1	-76.2	-76.3	-76.4	-76.5	-76.6	-76.7	-76.8	-76.9	-77.0	-77.1	-77.2	-77.3	-77.4	-77.5	-77.6	-77.7	-77.8	-77.9	-78.0	-78.1	-78.2	-78.3	-78.4	-78.5	-78.6	-78.7	-78.8	-78.9	-79.0	-79.1	-79.2	-79.3	-79.4	-79.5	-79.6	-79.7	-79.8	-79.9	-80.0	-80.1	-80.2	-80.3	-80.4	-80.5	-80.6	-80.7	-80.8	-80.9	-81.0	-81.1	-81.2	-81.3	-81.4	-81.5	-81.6	-81.7	-81.8	-81.9	-82.0	-82.1	-82.2	-82.3	-82.4	-82.5	-82.6	-82.7	-82.8	-82.9	-83.0	-83.1	-83.2	-83.3	-83.4	-83.5	-83.6	-83.7	-83.8	-83.9	-84.0	-84.1	-84.2	-84.3	-84.4	-84.5	-84.6	-84.7	-84.8	-84.9	-85.0	-85.1	-85.2	-85.3	-85.4	-85.5	-85.6	-85.7	-85.8	-85.9	-86.0	-86.1	-86.2	-86.3	-86.4	-86.5	-86.6	-86.7	-86.8	-86.9	-87.0	-87.1	-87.2	-87.3	-87.4	-87.5	-87.6	-87.7	-87.8	-87.9	-88.0	-88.1	-88.2	-88.3	-88.4	-88.5	-88.6	-88.7	-88.8	-88.9	-89.0	-89.1	-89.2	-89.3	-89.4	-89.5	-89.6	-89.7	-89.8	-89.9	-90.0	-90.1	-90.2	-90.3	-90.4	-90.5	-90.6	-90.7	-90.8	-90.9	-91.0	-91.1	-91.2	-91.3	-91.4	-91.5	-91.6	-91.7	-91.8	-91.9	-92.0	-92.1	-92.2	-92.3	-92.4	-92.5	-92.6	-92.7	-92.8	-92.9	-93.0	-93.1	-93.2	-93.3	-93.4	-93.5	-93.6	-93.7	-93.8	-93.9	-94.0	-94.1	-94.2	-94.3	-94.4	-94.5	-94.6	-94.7	-94.8	-94.9	-95.0	-95.1	-95.2	-95.3	-95.4	-95.5	-95.6	-95.7	-95.8	-95.9	-96.0	-96.1	-96.2	-96.3	-96.4	-96.5	-96.6	-96.7	-96.8	-96.9	-97.0	-97.1	-97.2	-97.3	-97.4	-97.5	-97.6	-97.7	-97.8	-97.9	-98.0	-98.1	-98.2	-98.3	-98.4	-98.5	-98.6	-98.7	-98.8	-98.9	-99.0	-99.1	-99.2	-99.3	-99.4	-99.5	-99.6	-99.7	-99.8	-99.9	-100.0	-100.1	-100.2	-100.3	-100.4	-100.5	-100.6
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Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

32.2	32.1	32	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31	30.9	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	29	28.9	28.8	28.7	28.6	28.5	28.4	28.3	28.2	28.1	28	27.9					
42.7	42.6	42.5	42.4	42.3	42.2	42.1	42	41.9	41.8	41.7	41.6	41.5	41.4	41.3	41.2	41.1	41	40.9	40.8	40.7	40.6	40.5	40.4	40.3	40.2	40.1	40	39.9	39.8	39.7	39.6	39.5	39.4	39.3	39.2	39.1	39	38.9	38.8	38.7	38.6	38.5	38.4			
52.5	52.4	52.3	52.2	52.1	52	51.9	51.8	51.7	51.6	51.5	51.4	51.3	51.2	51.1	51	50.9	50.8	50.7	50.6	50.5	50.4	50.3	50.2	50.1	50	49.9	49.8	49.7	49.6	49.5	49.4	49.3	49.2	49.1	49	48.9	48.8	48.7	48.6	48.5	48.4	48.3	48.2	48.1	48	47.9
62.4	62.3	62.2	62.1	62	61.9	61.8	61.7	61.6	61.5	61.4	61.3	61.2	61.1	61	60.9	60.8	60.7	60.6	60.5	60.4	60.3	60.2	60.1	60	59.9	59.8	59.7	59.6	59.5	59.4	59.3	59.2	59.1	59	58.9	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58.1	58	57.9	
72.3	72.2	72.1	72	71.9	71.8	71.7	71.6	71.5	71.4	71.3	71.2	71.1	71	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	70.1	70	69.9	69.8	69.7	69.6	69.5	69.4	69.3	69.2	69.1	69	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.2	68.1	68	67.9		
82.2	82.1	82	81.9	81.8	81.7	81.6	81.5	81.4	81.3	81.2	81.1	81	80.9	80.8	80.7	80.6	80.5	80.4	80.3	80.2	80.1	80	79.9	79.8	79.7	79.6	79.5	79.4	79.3	79.2	79.1	79	78.9	78.8	78.7	78.6	78.5	78.4	78.3	78.2	78.1	78	77.9			
92.1	92	91.9	91.8	91.7	91.6	91.5	91.4	91.3	91.2	91.1	91	90.9	90.8	90.7	90.6	90.5	90.4	90.3	90.2	90.1	90	89.9	89.8	89.7	89.6	89.5	89.4	89.3	89.2	89.1	89	88.9	88.8	88.7	88.6	88.5	88.4	88.3	88.2	88.1	88	87.9				
102	101.9	101.8	101.7	101.6	101.5	101.4	101.3	101.2	101.1	101	100.9	100.8	100.7	100.6	100.5	100.4	100.3	100.2	100.1	100	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	99.1	99	98.9	98.8	98.7	98.6	98.5	98.4	98.3	98.2	98.1	98	97.9					
111.9	111.8	111.7	111.6	111.5	111.4	111.3	111.2	111.1	111	110.9	110.8	110.7	110.6	110.5	110.4	110.3	110.2	110.1	110	109.9	109.8	109.7	109.6	109.5	109.4	109.3	109.2	109.1	109	108.9	108.8	108.7	108.6	108.5	108.4	108.3	108.2	108.1	108	107.9						
121.8	121.7	121.6	121.5	121.4	121.3	121.2	121.1	121	120.9	120.8	120.7	120.6	120.5	120.4	120.3	120.2	120.1	120	119.9	119.8	119.7	119.6	119.5	119.4	119.3	119.2	119.1	119	118.9	118.8	118.7	118.6	118.5	118.4	118.3	118.2	118.1	118	117.9							
131.7	131.6	131.5	131.4	131.3	131.2	131.1	131	130.9	130.8	130.7	130.6	130.5	130.4	130.3	130.2	130.1	130	129.9	129.8	129.7	129.6	129.5	129.4	129.3	129.2	129.1	129	128.9	128.8	128.7	128.6	128.5	128.4	128.3	128.2	128.1	128	127.9								
141.6	141.5	141.4	141.3	141.2	141.1	141	140.9	140.8	140.7	140.6	140.5	140.4	140.3	140.2	140.1	140	139.9	139.8	139.7	139.6	139.5	139.4	139.3	139.2	139.1	139	138.9	138.8	138.7	138.6	138.5	138.4	138.3	138.2	138.1	138	137.9									
151.5	151.4	151.3	151.2	151.1	151	150.9	150.8	150.7	150.6	150.5	150.4	150.3	150.2	150.1	150	149.9	149.8	149.7	149.6	149.5	149.4	149.3	149.2	149.1	149	148.9	148.8	148.7	148.6	148.5	148.4	148.3	148.2	148.1	148	147.9										
161.4	161.3	161.2	161.1	161	160.9	160.8	160.7	160.6	160.5	160.4	160.3	160.2	160.1	160	159.9	159.8	159.7	159.6	159.5	159.4	159.3	159.2	159.1	159	158.9	158.8	158.7	158.6	158.5	158.4	158.3	158.2	158.1	158	157.9											
171.3	171.2	171.1	171	170.9	170.8	170.7	170.6	170.5	170.4	170.3	170.2	170.1	170	169.9	169.8	169.7	169.6	169.5	169.4	169.3	169.2	169.1	169	168.9	168.8	168.7	168.6	168.5	168.4	168.3	168.2	168.1	168	167.9												
181.2	181.1	181	180.9	180.8	180.7	180.6	180.5	180.4	180.3	180.2	180.1	180	179.9	179.8	179.7	179.6	179.5	179.4	179.3	179.2	179.1	179	178.9	178.8	178.7	178.6	178.5	178.4	178.3	178.2	178.1	178	177.9													
191.1	191	190.9	190.8	190.7	190.6	190.5	190.4	190.3	190.2	190.1	190	189.9	189.8	189.7	189.6	189.5	189.4	189.3	189.2	189.1	189	188.9	188.8	188.7	188.6	188.5	188.4	188.3	188.2	188.1	188	187.9														
201	200.9	200.8	200.7	200.6	200.5	200.4	200.3	200.2	200.1	200	199.9	199.8	199.7	199.6	199.5	199.4	199.3	199.2	199.1	199	198.9	198.8	198.7	198.6	198.5	198.4	198.3	198.2	198.1	198	197.9															
210.9	210.8	210.7	210.6	210.5	210.4	210.3	210.2	210.1	210	209.9	209.8	209.7	209.6	209.5	209.4	209.3	209.2	209.1	209	208.9	208.8	208.7	208.6	208.5	208.4	208.3	208.2	208.1	208	207.9																
220.8	220.7	220.6	220.5	220.4	220.3	220.2	220.1	220	219.9	219.8	219.7	219.6	219.5	219.4	219.3	219.2	219.1	219	218.9	218.8	218.7	218.6	218.5	218.4	218.3	218.2	218.1	218	217.9																	
230.7	230.6	230.5	230.4	230.3	230.2	230.1	230	229.9	229.8	229.7	229.6	229.5	229.4	229.3	229.2	229.1	229	228.9	228.8	228.7	228.6	228.5	228.4	228.3	228.2	228.1	228	227.9																		
240.6	240.5	240.4	240.3	240.2	240.1	240	239.9	239.8	239.7	239.6	239.5	239.4	239.3	239.2	239.1	239	238.9	238.8	238.7	238.6	238.5	238.4	238.3	238.2	238.1	238	237.9																			
250.5	250.4	250.3	250.2	250.1	250	249.9	249.8	249.7	249.6	249.5	249.4	249.3	249.2	249.1	249	248.9	248.8	248.7	248.6	248.5	248.4	248.3	248.2	248.1	248	247.9																				
260.4	260.3	260.2	260.1	260	259.9	259.8	259.7	259.6	259.5	259.4	259.3	259.2	259.1	259	258.9	258.8	258.7	258.6	258.5	258.4	258.3	258.2	258.1	258	257.9																					
270.3	270.2	270.1	270	269.9	269.8	269.7	269.6	269.5	269.4	269.3	269.2	269.1	269	268.9	268.8	268.7	268.6	268.5	268.4	268.3	268.2	268.1	268	267.9																						
280.2	280.1	280	279.9	279.8	279.7	279.6	279.5	279.4	279.3	279.2	279.1	279	278.9	278.8	278.7	278.6	278.5	278.4	278.3	278.2	278.1	278	277.9																							
290.1	290	289.9	289.8	289.7	289.6	289.5	289.4	289.3	289.2	289.1	289	288.9	288.8	288.7	288.6	288.5	288.4	288.3	288.2	288.1	288	287.9																								
300	299.9	299.8	299.7	299.6	299.5	299.4	299.3	299.2	299.1	299	298.9	298.8	298.7	298.6	298.5	298.4	298.3	298.2	298.1	298	297.9																									
310	309.9	309.8	309.7	309.6	309.5	309.4	309.3	309.2	309.1	309	308.9	308.8	308.7	308.6	308.5	308.4	308.3	308.2	308.1	308	307.9																									
320	319.9	319.8	319.7	319.6	319.5	319.4	319.3	319.2	319.1	319	318.9	318.8	318.7	318.6	318.5	318.4	318.3	318.2	318.1	318	317.9																									
330	329.9	329.8	329.7	329.6	329.5	329.4	329.3	329.2	329.1	329	328.9	328.8	328.7	328.6	328.5	328.4	328.3	328.2	328.1	328	327.9																									
340	339.9	339.8	339.7	339.6	339.5	339.4	339.3	339.2	339.1	339	338.9	338.8	338.7	338.6	338.5	338.4	338.3	338.2	338.1	338	337.9																									
350	349.9	349.8	349.7	349.6	349.5	349.4	349.3	349.2	349.1	349	348.9	348.8	348.7	348.6	348.5	348.4	348.3	348.2	348.1	348	347.9																									
360	359.9	359.8	359.7	359.6	359.5	359.4	359.3	359.2	359.1	359	358.9	358.8	358.7	358.6	358.5	358.4	358.3	358.2	358.1	358	357.9																									
370	369.9	369.8	369.7	369.6	369.5	369.4	369.3	369.2	369.1	369	368.9	368.8	368.7	368.6	368.5	368.4	368.3	368.2	368.1	368	367.9																									
380	379.9	379.8	379.7	379.6	379.5	379.4	379.3	379.2	379.1	379	378.9	378.8	378.7	378.6	378.5	378.4	378.3	378.2	378.1	378	377.9																									
390	389.9	389.8	389.7	389.6	389.5	389.4	389.3	389.2	389.1	389	388.9	388.8	388.7	388.6	388.5	388.4	388.3	388.2	388.1	388	387.9																									
400	399.9	399.8	399.7	399.6	399.5	399.4	399.3	399.2	399.1	399	398.9	398.8	398.7	398.6	398.5	398.4	398.3	398.2	398.1	398	397.9																									
410	409.9	409.8	409.7	409.6	409.5	409.4	409.3	409.2	409.1	409	408.9	408.8	408.7	408.6	408.5	408.4	408.3	408.2	408.1	408	407.9																									
420	419.9	419.8	419.7	419.6	419.5	419.4	419.3	419.2	419.1	419	418.9	418.8	418.7	418.6	418.5	418.4	418.3	418.2	418.1	418	417.9																									
430	429.9	429.8	429.7	429.6	429.5	429.4	429.3	429.2	429.1	429	428.9	428.8	428.7	428.6	428.5	4																														

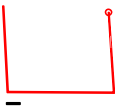
Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	29.0	28.9	28.8	28.7	28.6	28.5	28.4	28.3	28.2
32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3
34.0	33.9	33.8	33.7	33.6	33.5	33.4	33.3	33.2	33.1	33.0	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.8	30.7	30.6	30.5	30.4
35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.4	34.3	34.2	34.1	34.0	33.9	33.8	33.7	33.6	33.5	33.4	33.3	33.2	33.1	33.0	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5
69.7	69.4	69.1	68.8	68.5	68.2	67.9	67.6	67.3	67.0	66.7	66.4	66.1	65.8	65.5	65.2	64.9	64.6	64.3	64.0	63.7	63.4	63.1	62.8	62.5	62.2	61.9	61.6	61.3	61.0	60.7	60.4	60.1	59.8	59.5	59.2	58.9



Part4

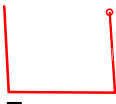
Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023



2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

24.1	24.1	24	23.9	23.8	23.7	23.7	23.6	23.5	23.4	23.3	23.3	23.2	23.1	23	23	22.9	22.8	22.8	22.7	22.6	22.5	22.5	22.4	22.3	22.2	22.2	22.1	22	22	21.9	21.8	21.7	21.7	21.6	21.5	21.5	21.4	21.3	21.3	21.2	21.1															
23.9	23.8	23.7	23.7	23.6	23.5	23.4	23.3	23.3	23.2	23.1	23	23	22.9	22.8	22.8	22.7	22.6	22.5	22.5	22.4	22.3	22.2	22.2	22.1	22	22	21.9	21.8	21.7	21.7	21.6	21.5	21.5	21.4	21.3	21.3	21.2	21.1	21	21	20.9	20.8	20.7	20.7	20.6	20.5	20.5	20.4	20.3	20.3	20.2	20.1				
20.9	20.8	20.7	20.7	20.6	20.5	20.5	20.4	20.3	20.3	20.2	20.1	20	20	19.9	19.8	19.8	19.7	19.6	19.5	19.5	19.4	19.3	19.2	19.2	19.1	19	19	18.9	18.8	18.7	18.7	18.6	18.5	18.5	18.4	18.3	18.3	18.2	18.1	18	18	17.9	17.8	17.7	17.7	17.6	17.5	17.5	17.4	17.3	17.3	17.2	17.1			
17.1	17	16.9	16.8	16.8	16.7	16.6	16.6	16.5	16.4	16.4	16.3	16.2	16.1	16	16	15.9	15.8	15.8	15.7	15.6	15.5	15.5	15.4	15.3	15.2	15.2	15.1	15	15	14.9	14.8	14.7	14.7	14.6	14.5	14.5	14.4	14.3	14.3	14.2	14.1	14	14	13.9	13.8	13.7	13.7	13.6	13.5	13.5	13.4	13.3	13.3	13.2	13.1	
13.1	13	12.9	12.8	12.8	12.7	12.6	12.6	12.5	12.4	12.4	12.3	12.2	12.1	12	12	11.9	11.8	11.8	11.7	11.6	11.5	11.5	11.4	11.3	11.2	11.2	11.1	11	11	10.9	10.8	10.7	10.7	10.6	10.5	10.5	10.4	10.3	10.3	10.2	10.1	10	10	9.9	9.8	9.7	9.7	9.6	9.5	9.5	9.4	9.3	9.3	9.2	9.1	
9.1	9	8.9	8.8	8.8	8.7	8.6	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8	8	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7	7	6.9	6.8	6.7	6.7	6.6	6.5	6.5	6.4	6.3	6.3	6.2	6.1	6	6	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1	
5.1	5	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4	4	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3	3	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2	2	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	
1.1	1	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0	0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1



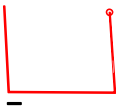
Part5

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

21.1	21	20.9	20.9	20.8	20.7	20.7	20.6	20.5	20.5	20.4	20.3	20.3	20.2	20.1	20.1	19.9	19.9	19.9	19.8	19.8	19.7	19.6	19.6	19.5	19.4	19.4	19.3	19.3	19.2	19.1	19.1	19	19	18.9	18.8	18.8	18.7	18.7	18.6	18.6	20											
22.8	22.8	22.7	22.6	22.5	22.5	22.4	22.3	22.2	22.2	22.1	22	21.9	21.8	21.7	21.7	21.5	21.5	21.4	21.3	21.3	21.2	21.1	21	20.9	20.8	20.7	20.7	20.6	20.5	20.5	20.4	20.4	20.3	20.3	20.2	20.1	20.1	20	20	20	20	20	20	20	20	20	20					
26.9	26.9	26.8	26.7	26.6	26.5	26.5	26.4	26.3	26.3	26.2	26.1	26	25.9	25.8	25.8	25.6	25.6	25.5	25.4	25.4	25.3	25.2	25.1	25	24.9	24.8	24.7	24.6	24.5	24.5	24.4	24.3	24.3	24.2	24.1	24	24	24	24	24	24	24	24	24	24	24	24					
29.7	29.7	29.6	29.5	29.4	29.3	29.3	29.2	29.1	29	28.9	28.8	28.7	28.6	28.5	28.5	28.3	28.3	28.2	28.1	28	27.9	27.8	27.7	27.6	27.5	27.4	27.3	27.2	27.1	27	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26	26	26	26	26	26	26	26	26				
33.1	33.1	33	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32	31.9	31.8	31.7	31.5	31.5	31.4	31.3	31.2	31.1	31	30.9	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	29	29	29	29	29	29	29	29			
42.4	42.4	42.3	42.2	42.1	42	41.9	41.8	41.7	41.6	41.5	41.4	41.3	41.2	41.1	41	40.9	40.8	40.7	40.6	40.5	40.4	40.3	40.2	40.1	40	39.9	39.8	39.7	39.6	39.5	39.4	39.3	39.2	39.1	39	38.9	38.8	38.7	38.6	38.5	38.4	38.3	38.2	38.1	38	38	38	38	38	38	38	38



Part6



MCINNES

2.4.2 Table, Circumference Escape (E)

[illegible]

Part7



2.4.2 Table, Circumference Escape (E)

16.3 56.3 15.1 14.9 14.6 14.3 13.4 12.9 13.2 11.7 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 (2.5)
 21.3 19.4 18.2 18.6 18.9 18.9 18.3 17.5 16.7 16.4 15.7 15.3 14.7 14.3 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 27.3 25.4 24.2 24.6 24.9 24.9 24.3 23.5 22.7 22.4 21.7 21.3 20.7 20.3 19.7 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 33.3 31.4 30.2 30.6 30.9 30.9 30.3 29.5 28.7 28.4 27.7 27.3 26.7 26.3 25.7 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 39.3 37.4 36.2 36.6 36.9 36.9 36.3 35.5 34.7 34.4 33.7 33.3 32.7 32.3 31.7 31.4 30.9 30.4 29.9 29.4 28.9 28.4 27.9 27.4 26.9 26.4 25.9 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 45.3 43.4 42.2 42.6 42.9 42.9 42.3 41.5 40.7 40.4 39.7 39.3 38.7 38.3 38.7 38.4 37.9 37.4 36.9 36.4 35.9 35.4 34.9 34.4 33.9 33.4 32.9 32.4 31.9 31.4 30.9 30.4 29.9 29.4 28.9 28.4 27.9 27.4 26.9 26.4 25.9 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 51.3 49.4 48.2 48.6 48.9 48.9 48.3 47.5 46.7 46.4 45.7 45.3 44.7 44.3 43.9 43.4 42.9 42.4 41.9 41.4 40.9 40.5 40.1 39.7 39.8 38.8 37.8 36.9 36 35.2 34.6 34.4 33.9 33.4 32.9 32.4 31.9 31.4 30.9 30.4 29.9 29.4 28.9 28.4 27.9 27.4 26.9 26.4 25.9 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 57.3 55.4 54.2 54.6 54.9 54.9 54.3 53.5 52.7 52.4 51.7 51.3 50.7 50.3 49.7 49.4 48.9 48.4 47.9 47.4 46.9 46.4 45.9 45.4 44.9 44.4 43.9 43.4 42.9 42.4 41.9 41.4 40.9 40.4 39.9 39.4 38.9 38.4 37.9 37.4 36.9 36.4 35.9 35.4 34.9 34.4 33.9 33.4 32.9 32.4 31.9 31.4 30.9 30.4 29.9 29.4 28.9 28.4 27.9 27.4 26.9 26.4 25.9 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
 63.3 61.4 60.2 60.6 60.9 60.9 60.3 59.5 58.7 58.4 57.7 57.3 56.7 56.3 55.7 55.4 54.9 54.4 53.9 53.4 52.9 52.4 51.9 51.4 50.9 50.4 49.9 49.4 48.9 48.4 47.9 47.4 46.9 46.4 45.9 45.4 44.9 44.4 43.9 43.4 42.9 42.4 41.9 41.4 40.9 40.4 39.9 39.4 38.9 38.4 37.9 37.4 36.9 36.4 35.9 35.4 34.9 34.4 33.9 33.4 32.9 32.4 31.9 31.4 30.9 30.4 29.9 29.4 28.9 28.4 27.9 27.4 26.9 26.4 25.9 25.4 24.9 24.4 23.9 23.4 22.9 22.4 21.9 21.4 20.9 20.4 19.9 19.4 18.9 18.4 17.9 17.4 16.9 16.4 15.9 15.4 14.9 14.4 13.9 13.4 12.9 12.4 11.9 11.4 10.9 10.5 10.1 9.7 9.8 8.8 7.8 6.9 6 5.2 4.6 4.4 3.9 3.3 2.8 2.5
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Part8

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

120

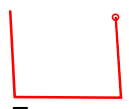


Part9

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

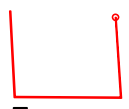


Part10

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

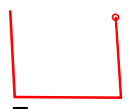


Part11

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

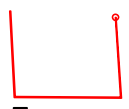


Part12

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

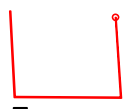


Part13

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

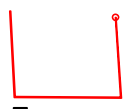


Part14

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part15

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

2312	156	42.6
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Part16

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

100

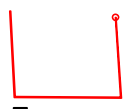


Part17

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

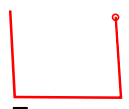


Part18

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

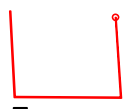


Part19

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

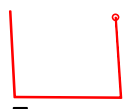


Part20

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part21

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part22

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part23



2.4.2 Table, Circumference Escape (E)

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Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

80

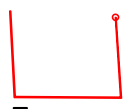


Part25

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

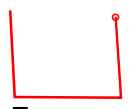


Part26

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

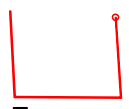


Part27

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part28

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

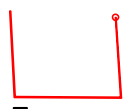


Part29

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

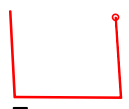


Part30

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part31



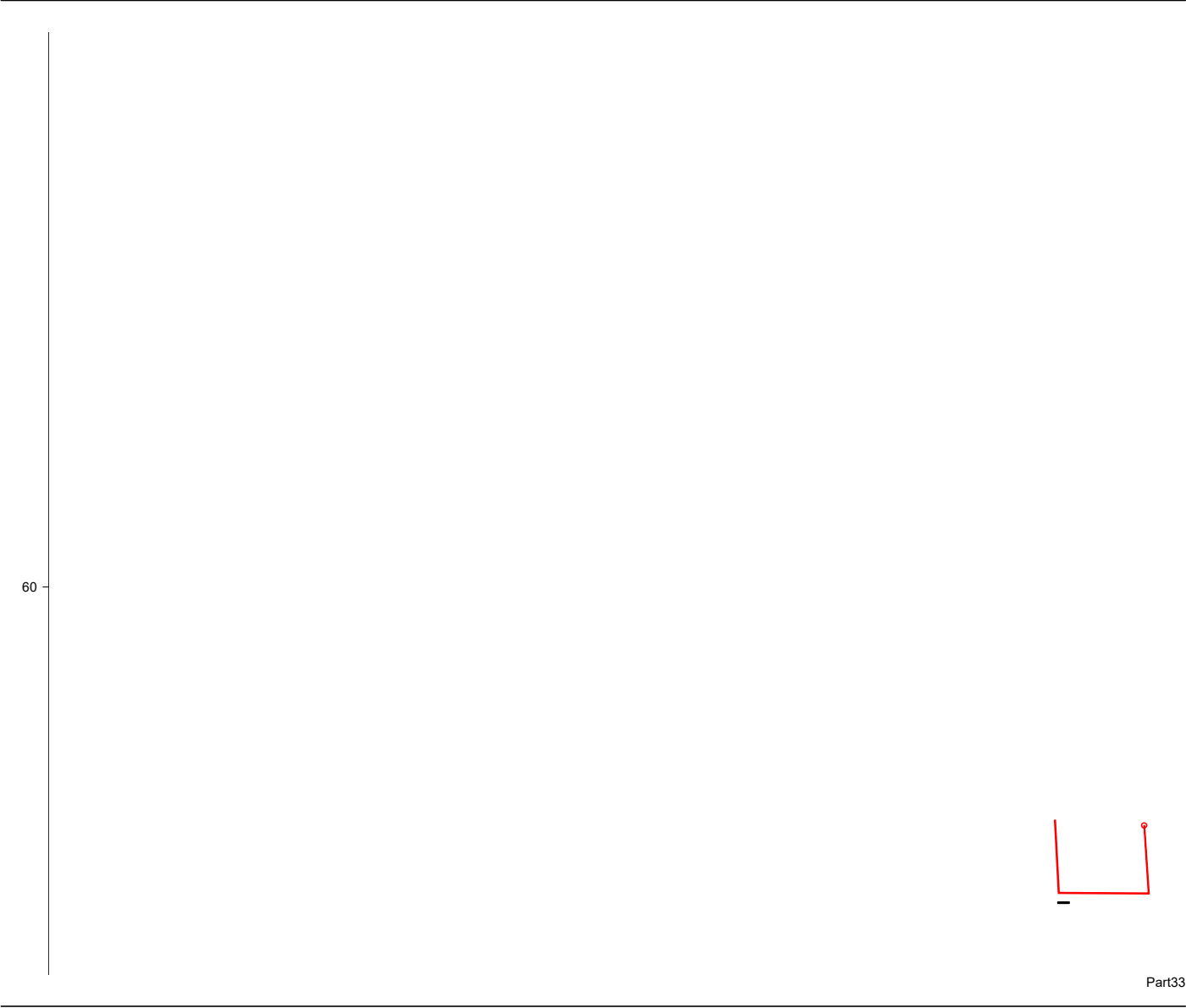
MCINNES

2.4.2 Table, Circumference Escape (E)

[illegible]

2.4 Calculation results, Exterior 1

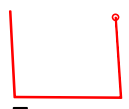
2.4.2 Table, Circumference Escape (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

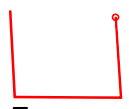


Part34

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

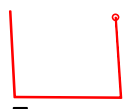


Part35

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

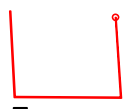


Part36

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

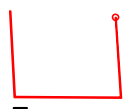


Part37

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

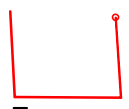


Part38

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part39



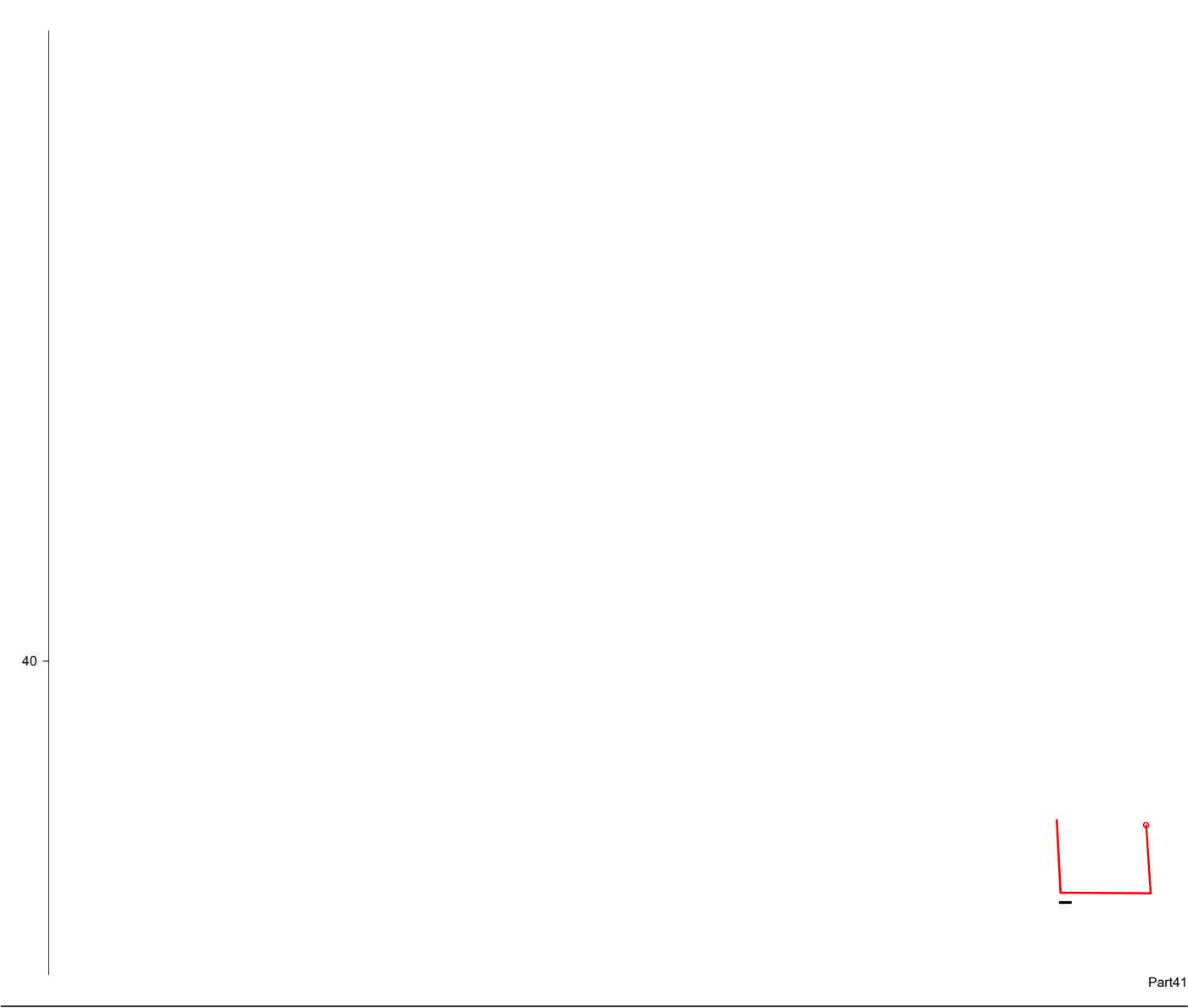
2.4.2 Table, Circumference Escape (E)

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2.4 Calculation results, Exterior 1

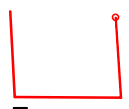
2.4.2 Table, Circumference Escape (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

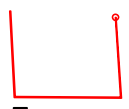


Part42

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

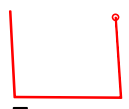


Part43

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

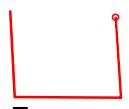


Part44

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

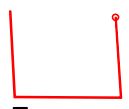


Part45

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

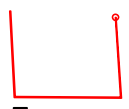


Part46

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part47



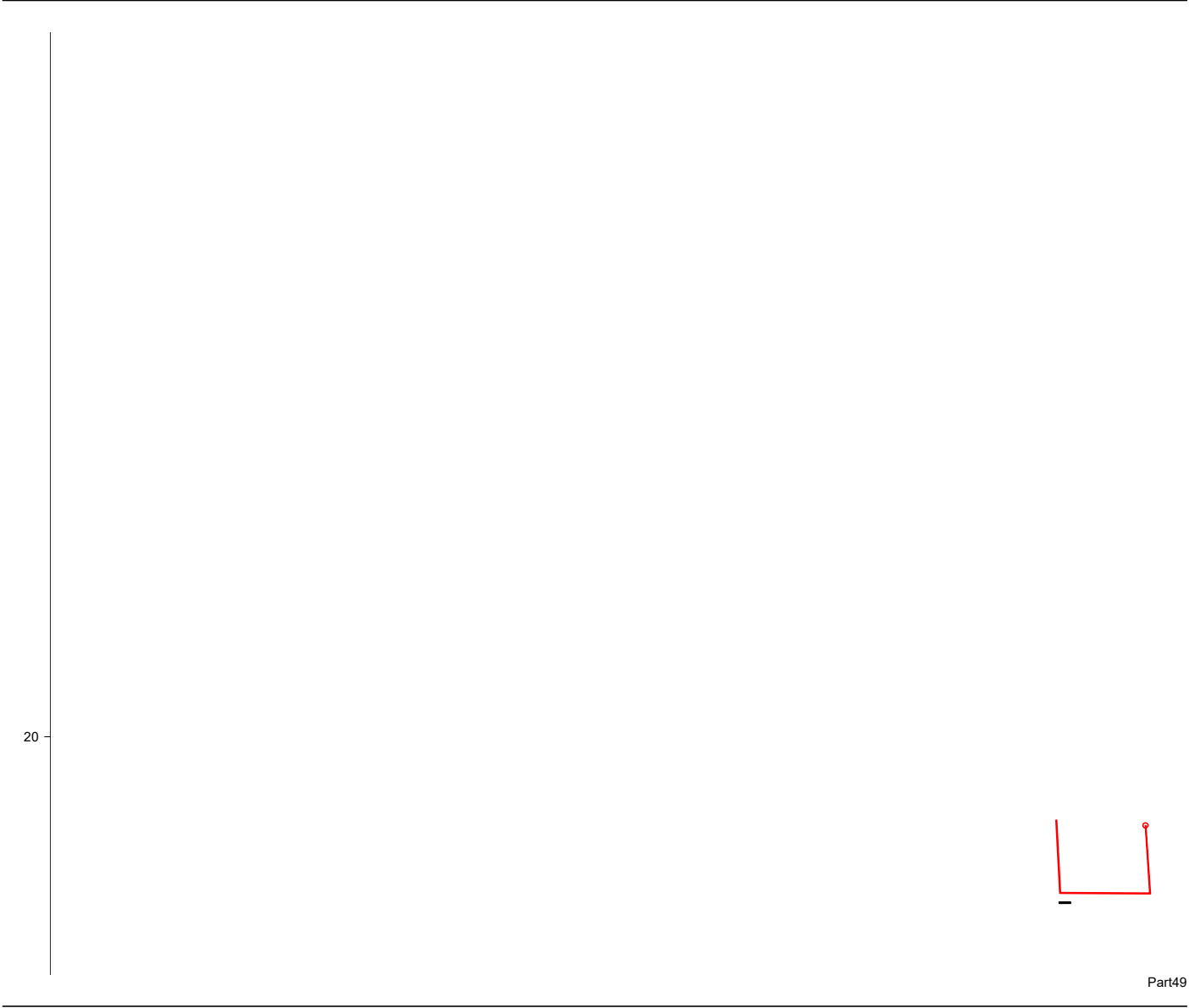
2.4.2 Table, Circumference Escape (E)

[illegible]

Part48

2.4 Calculation results, Exterior 1

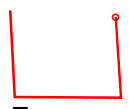
2.4.2 Table, Circumference Escape (E)



Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

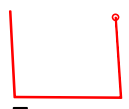


Part50

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

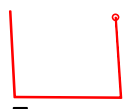


Part51

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

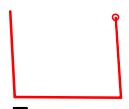


Part52

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

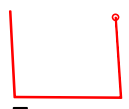


Part53

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

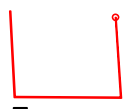


Part54

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)



Part55



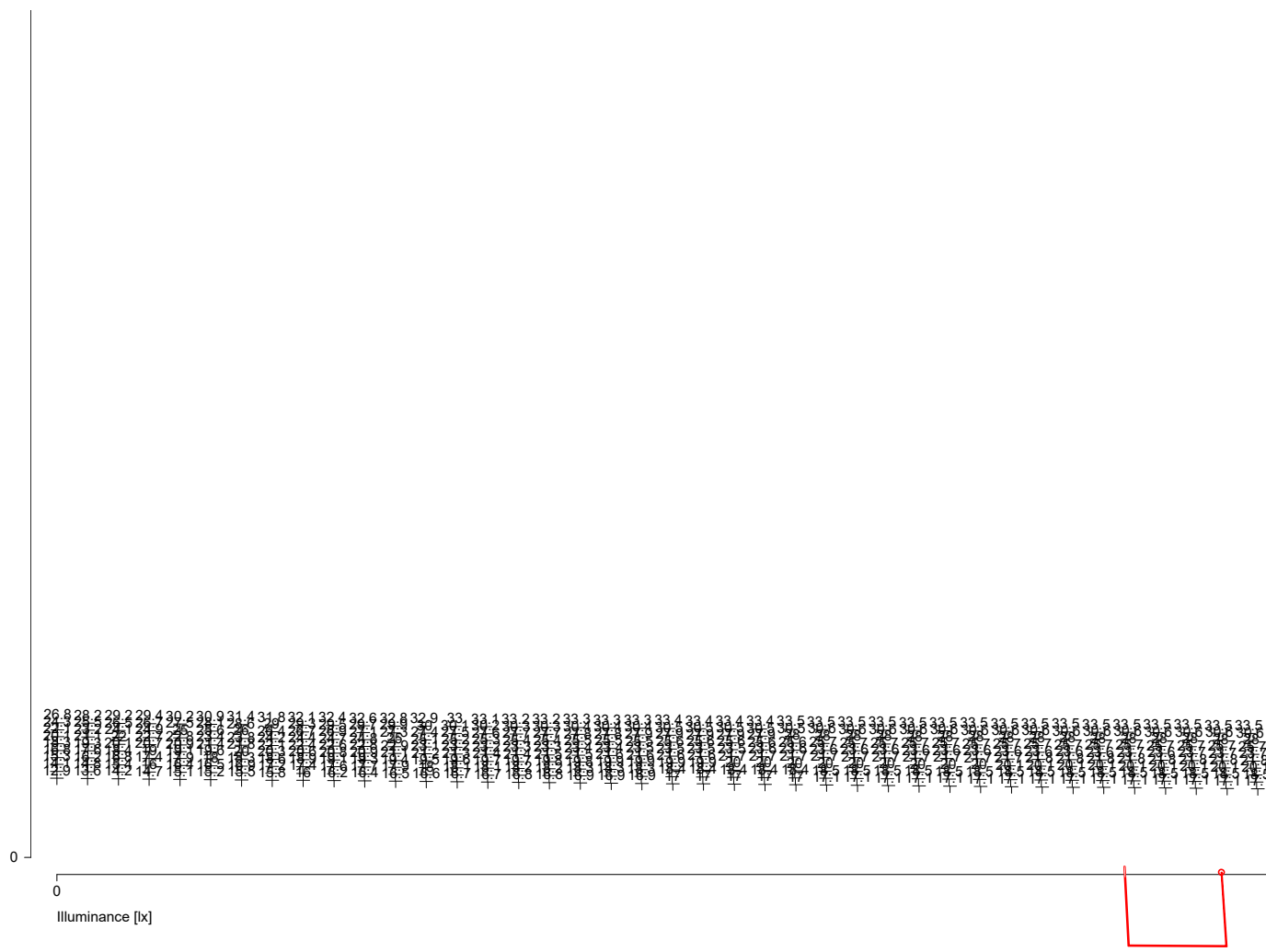
2.4.2 Table, Circumference Escape (E)

[illegible]

Object : External Lighting
Installation : COOP LIVE
Project number : 24
Date : 07.01.2023

2.4 Calculation results, Exterior 1

2.4.2 Table, Circumference Escape (E)

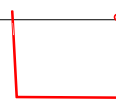




2.4.2 Table, Circumference Escape (E)

[illegible]

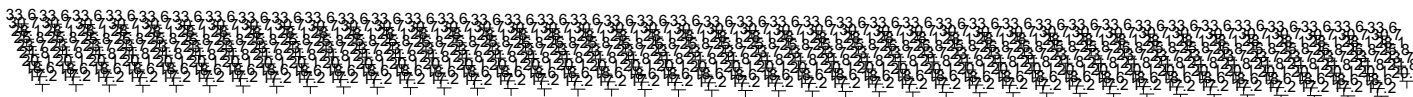
20



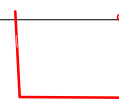
Part58



2.4.2 Table, Circumference Escape (E)



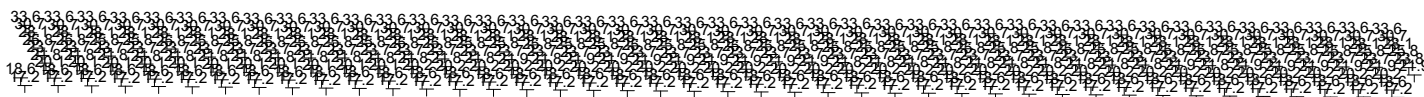
40



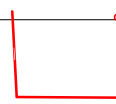
Part59



2.4.2 Table, Circumference Escape (E)



60



Part60



2.4.2 Table, Circumference Escape (E)

[illegible]

80

Part61





2.4.2 Table, Circumference Escape (E)

[illegible]

Part62



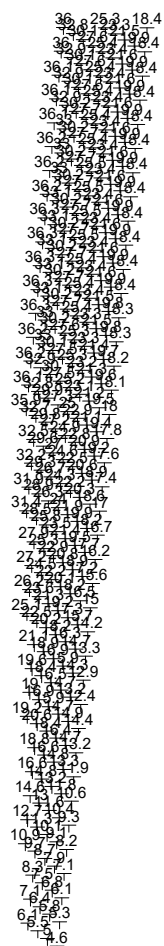


2.4.2 Table, Circumference Escape (E)





2.4.2 Table, Circumference Escape (E)



120 [m]



Part64