

Installation :

Project number : 5448
Customer :
Processed by : L Richter
Date : 29.09.2022

Project description:
Ancoats Gardens

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 :
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1 Luminaire data

1.1 Apollo Lighting Ltd, Nebula LED 100 46.3W 4010Il... (NELED1005040)

1.1.1 Data sheet

Manufacturer: Apollo Lighting Ltd

NELED1005040 Nebula LED 100 46.3W 4010Ilm 4000K

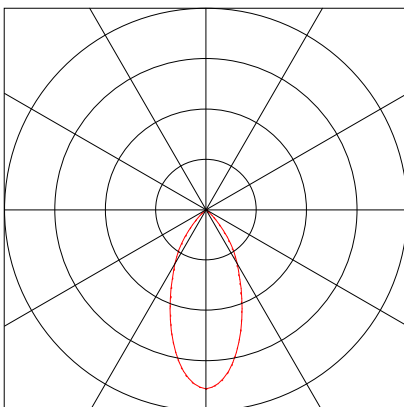
Luminaire data

Absolute Photometry
Luminaire efficacy : 85.83 lm/W
Classification : A70 ↓ 100.0% ↑ 0.0%
CIE Flux Codes : 95 100 100 100 100
UGR 4H 8H : 18.3 / 17.8
Power : 46.3 W
Luminous flux : 3973.9 lm

Dimensions : Ø237 mm x 5 mm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Colour reproduction : 80



Object :
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1 Luminaire data

1.2 Orlight, ORLTE6012-2700K (ORLTE6012-2700K)

1.2.1 Data sheet

Manufacturer: Orlight

ORLTE6012-2700K

ORLTE6012-2700K

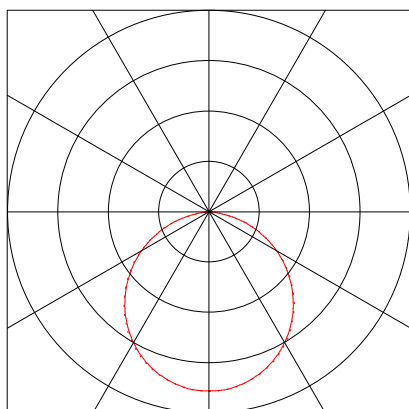
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 70.83 lm/W
Classification : A40 ↓100.0% ↑0.0%
CIE Flux Codes : 48 80 97 100 100
UGR 4H 8H : 24.3 / 24.3
Power : 4.8 W
Luminous flux : 340 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 2700
Luminous flux : 340 lm

Dimensions : 1000 mm x 10 mm x 3 mm



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1 Luminaire data

1.3 Apollo Lighting Ltd, Nebula LED 100 25.1W 2050lm... (NELED1002040)

1.3.1 Data sheet

Manufacturer: Apollo Lighting Ltd

NELED1002040 Nebula LED 100 25.1W 2050lm 4000K

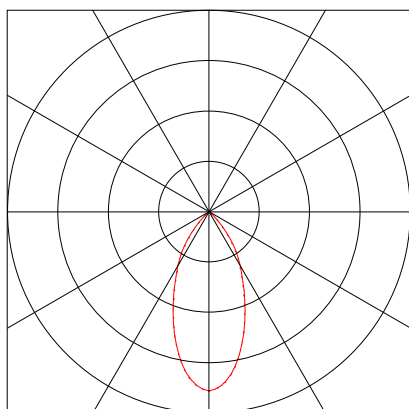
Luminaire data

Absolute Photometry
Luminaire efficacy : 80.94 lm/W
Classification : A70 ↓ 100.0% ↑ 0.0%
CIE Flux Codes : 95 100 100 100 100
UGR 4H 8H : 15.9 / 15.5
Power : 25.1 W
Luminous flux : 2031.6 lm

Dimensions : Ø237 mm x 5 mm

Equipped with

Quantity : 1
Designation : LED
Colour : 4000K
Colour reproduction : 80



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2.1.1 Floor plan



Object :
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2 Room 1

2.1 Description, Room 1

2.1.1 Floor plan

Wall	x	y	Length	Reflectance
1	18.02 m	29.69 m	1.79 m	50.0 %
2	11.70 m	29.66 m	6.32 m	50.0 %
3	11.72 m	29.23 m	0.43 m	50.0 %
4	11.22 m	29.23 m	0.50 m	50.0 %
5	11.08 m	28.59 m	0.65 m	50.0 %
6	10.98 m	28.62 m	0.10 m	50.0 %
7	10.01 m	24.24 m	4.48 m	50.0 %
8	10.54 m	24.12 m	0.54 m	50.0 %
9	10.35 m	23.25 m	0.89 m	50.0 %
10	9.82 m	23.33 m	0.54 m	50.0 %
11	8.65 m	18.10 m	5.36 m	50.0 %
12	9.18 m	17.96 m	0.55 m	50.0 %
13	8.98 m	17.09 m	0.89 m	50.0 %
14	8.45 m	17.21 m	0.55 m	50.0 %
15	7.09 m	11.06 m	6.30 m	50.0 %
16	7.62 m	10.94 m	0.54 m	50.0 %
17	7.43 m	10.07 m	0.88 m	50.0 %
18	6.88 m	10.18 m	0.56 m	50.0 %
19	5.72 m	4.89 m	5.41 m	50.0 %
20	6.25 m	4.78 m	0.54 m	50.0 %
21	6.07 m	3.92 m	0.88 m	50.0 %
22	5.51 m	4.03 m	0.58 m	50.0 %
23	4.74 m	0.35 m	3.76 m	50.0 %
24	4.92 m	0.31 m	0.18 m	50.0 %
25	4.89 m	0.13 m	0.18 m	50.0 %
26	11.41 m	0.13 m	6.52 m	50.0 %
27	11.54 m	0.65 m	0.53 m	50.0 %
28	12.41 m	0.64 m	0.87 m	50.0 %
29	12.32 m	0.13 m	0.52 m	50.0 %
30	14.98 m	0.13 m	2.66 m	50.0 %
31	15.12 m	0.65 m	0.53 m	50.0 %
32	16.02 m	0.65 m	0.90 m	50.0 %
33	15.88 m	0.10 m	0.56 m	50.0 %
34	20.40 m	0.13 m	4.52 m	50.0 %
35	20.45 m	0.32 m	0.19 m	50.0 %
36	21.45 m	0.33 m	1.00 m	50.0 %
37	21.63 m	1.40 m	1.09 m	50.0 %
38	7.45 m	4.55 m	14.52 m	50.0 %
39	12.86 m	28.98 m	25.03 m	50.0 %
40	17.66 m	27.93 m	4.92 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		4.20 m		
Height of ref. plane		0.00 m		

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2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1

M 1.5 (Wall)	10.6 lx	0.63
M 1.6 (Wall)	39.6 lx	0.23
M 1.7 (Wall)	20.9 lx	0.42
M 1.8 (Wall)	13.1 lx	0.64
M 1.9 (Wall)	24 lx	0.48
M 1.10 (Wall)	33.7 lx	0.18
M 1.11 (Wall)	10.3 lx	0.70
M 1.12 (Wall)	7.3 lx	0.81
M 1.13 (Wall)	15.2 lx	0.61
M 1.14 (Wall)	29.8 lx	0.16
M 1.15 (Wall)	7.8 lx	0.75
M 1.16 (Wall)	9.1 lx	0.67
M 1.17 (Wall)	23.2 lx	0.38
M 1.18 (Wall)	34.6 lx	0.22
M 1.19 (Wall)	10.1 lx	0.69
M 1.20 (Wall)	18.2 lx	0.44
M 1.21 (Wall)	10.1 lx	0.49
M 1.22 (Wall)	13.1 lx	0.49
M 1.23 (Wall)	16.6 lx	0.37
M 1.24 (Wall)	19 lx	0.39
M 1.25 (Wall)	31.6 lx	0.31
M 1.26 (Wall)	17 lx	0.49
M 1.27 (Wall)	32.4 lx	0.26
M 1.28 (Wall)	39 lx	0.24
M 1.29 (Wall)	45 lx	0.24
M 1.30 (Wall)	19.4 lx	0.41
M 1.31 (Wall)	41.7 lx	0.21
M 1.32 (Wall)	8.8 lx	0.55
M 1.33 (Wall)	10.9 lx	0.57
M 1.34 (Wall)	31.6 lx	0.19
M 1.35 (Wall)	32.5 lx	0.18
M 1.36 (Wall)	45.3 lx	0.13

Type No.\Make

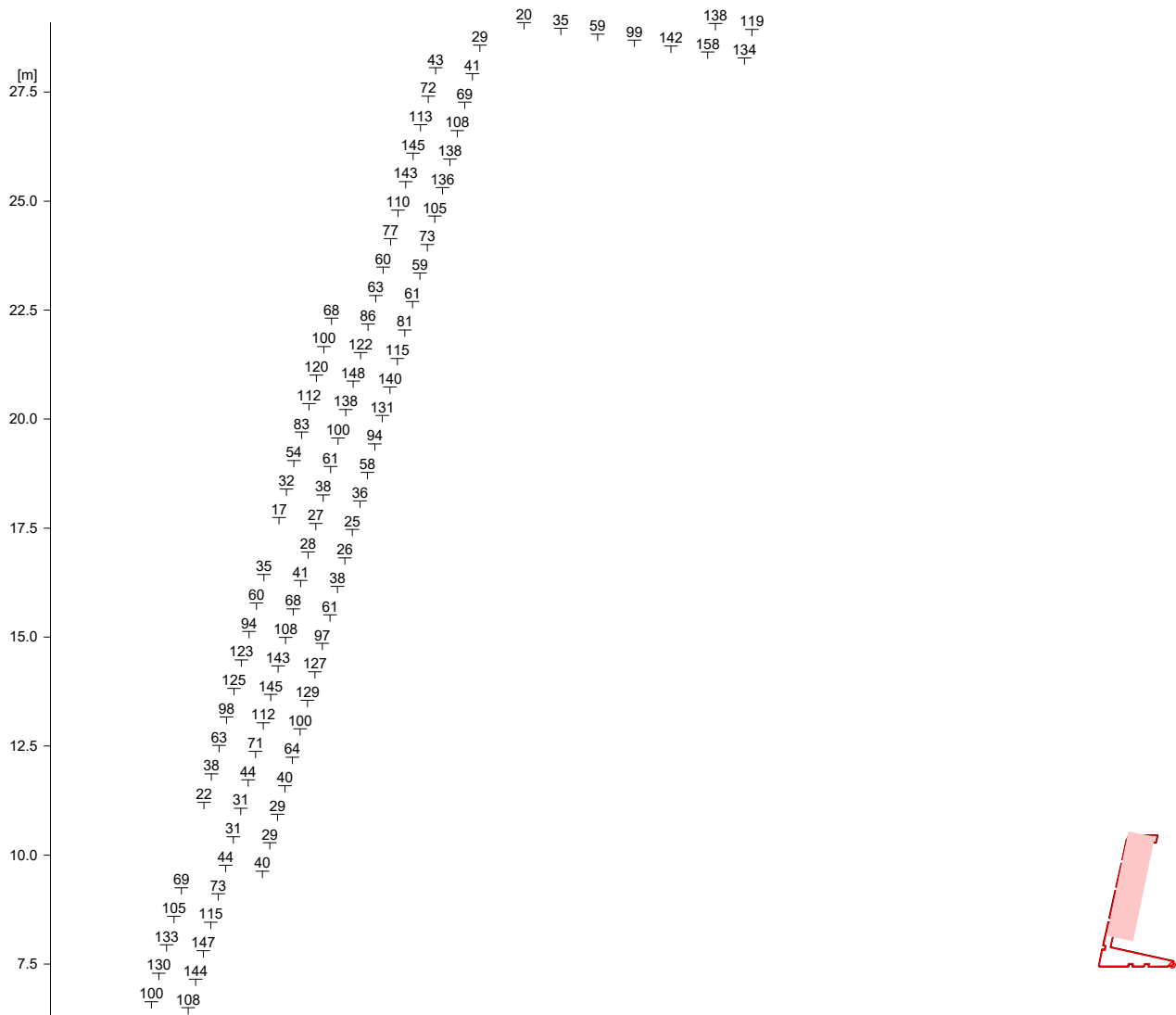
	Apollo Lighting Ltd	
	3	9 x
	Order No.	: NELED1002040
	Luminaire name	: Nebula LED 100 25.1W 2050lm 4000K
	Equipment	: 1 x LED 25.1 W / 2050 lm

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2 Room 1

2.3 Calculation results, Room 1

2.3.1 Table, Reference plane 1.1 (E)



Part1

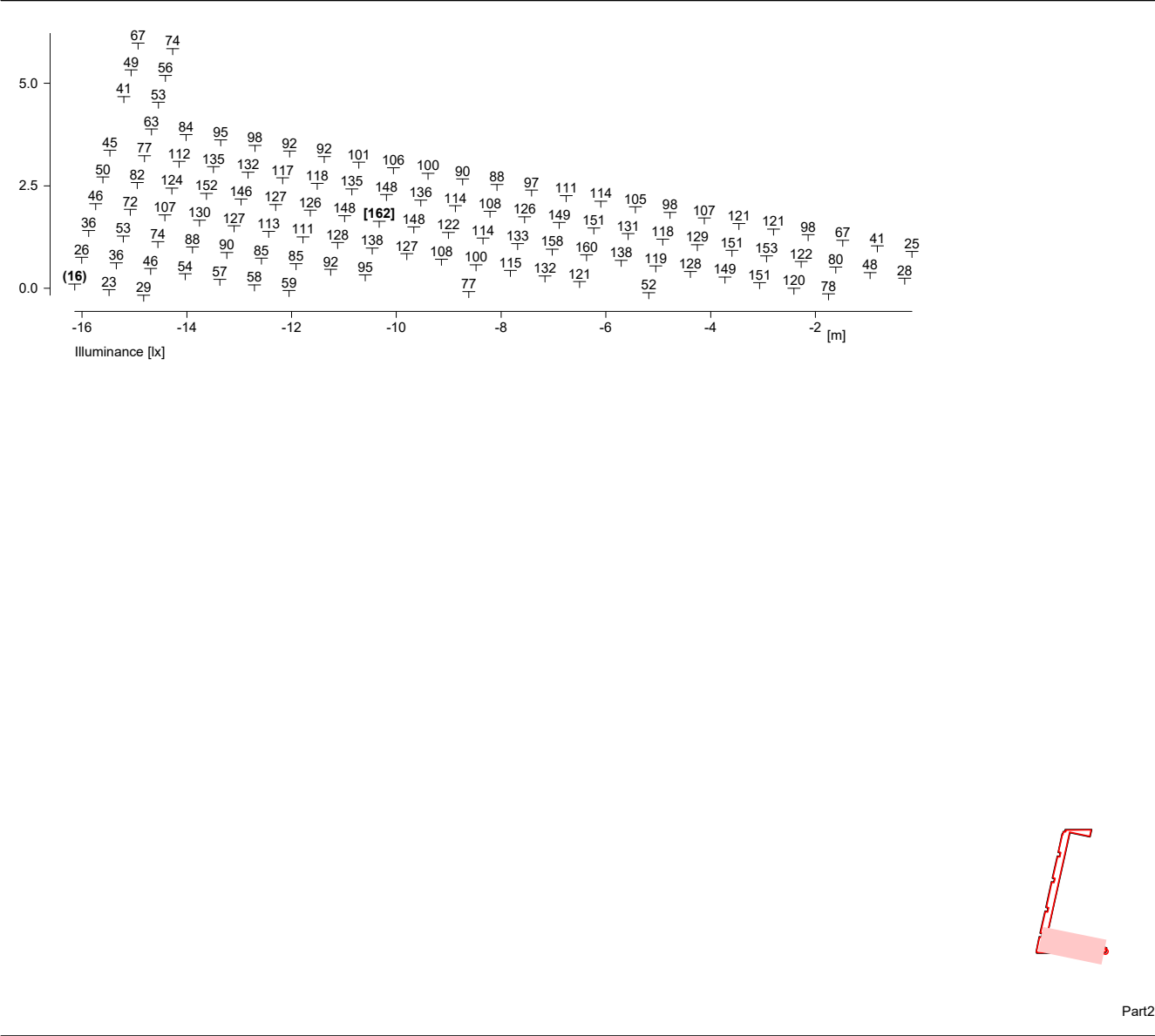
Height reference plane	: 0.00 m
Average illuminance	Em : 92 lx
Minimum illuminance	Emin : 16 lx
Maximum illuminance	Emax : 162 lx
Uniformity Uo	Emin/Em : 1 : 5.88 (0.17)
Diversity Ud	Emin/Emax : 1 : 10.37 (0.10)

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2 Room 1

2.3 Calculation results, Room 1

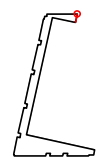
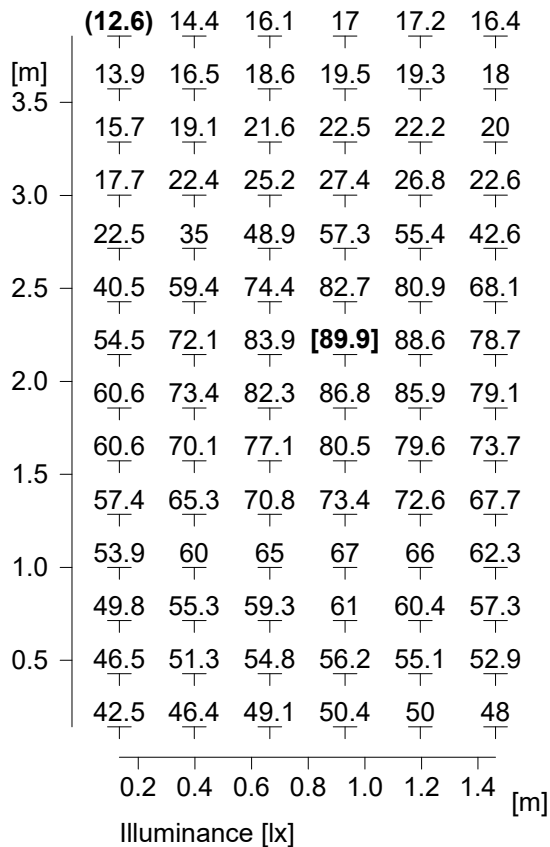
2.3.1 Table, Reference plane 1.1 (E)



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2.3 Calculation results, Room 1

2.3.2 Table, Evaluation area 1, Measuring area 1 (Wall) (E)

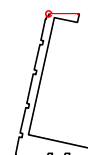
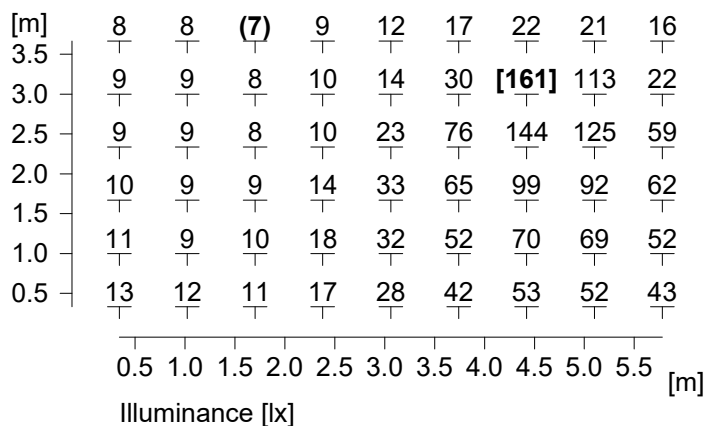


Average illuminance	Em	: 50.4 lx
Minimum illuminance	Emin	: 12.6 lx
Maximum illuminance	Emax	: 89.9 lx
Uniformity Uo	Emin/Em	: 1 : 3.99 (0.25)
Diversity Ud	Emin/Emax	: 1 : 7.11 (0.14)

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2.3 Calculation results, Room 1

2.3.3 Table, Evaluation area 1, Measuring area 2 (Wall) (E)



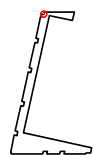
Average illuminance	Em	: 36 lx
Minimum illuminance	Emin	: 7 lx
Maximum illuminance	Emax	: 161 lx
Uniformity Uo	Emin/Em	: 1 : 4.87 (0.21)
Diversity Ud	Emin/Emax	: 1 : 21.76 (0.05)

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2.3 Calculation results, Room 1

2.3.4 Table, Evaluation area 1, Measuring area 3 (Wall) (E)

	6.45	6.17	(6.13)
	6.47	6.31	6.23
	6.52	6.37	6.27
	6.55	6.45	6.31
	6.58	6.5	6.4
	6.61	6.55	6.44
	6.71	6.59	6.49
3.5	6.73	6.67	6.57
	6.8	6.7	6.61
	6.83	6.76	6.66
	6.88	6.79	6.69
	6.91	6.81	6.71
	6.93	6.84	6.74
	6.96	6.86	6.77
3.0	6.99	6.89	6.79
	7.01	6.92	6.82
	7.04	6.94	6.84
	7.06	6.97	6.87
	7.09	6.99	6.89
	7.11	7.01	6.91
	7.14	7.03	6.93
2.5	7.16	7.05	6.95
	7.18	7.07	6.96
	7.2	7.08	6.92
	7.29	7.13	7
	7.31	7.18	7.04
	7.36	7.24	7.1
	7.43	7.31	7.19
2.0	7.49	7.4	7.31
	7.55	7.48	7.42
	7.61	7.55	7.51
	7.66	7.6	7.55
	7.69	7.63	7.58
	7.71	7.65	7.6

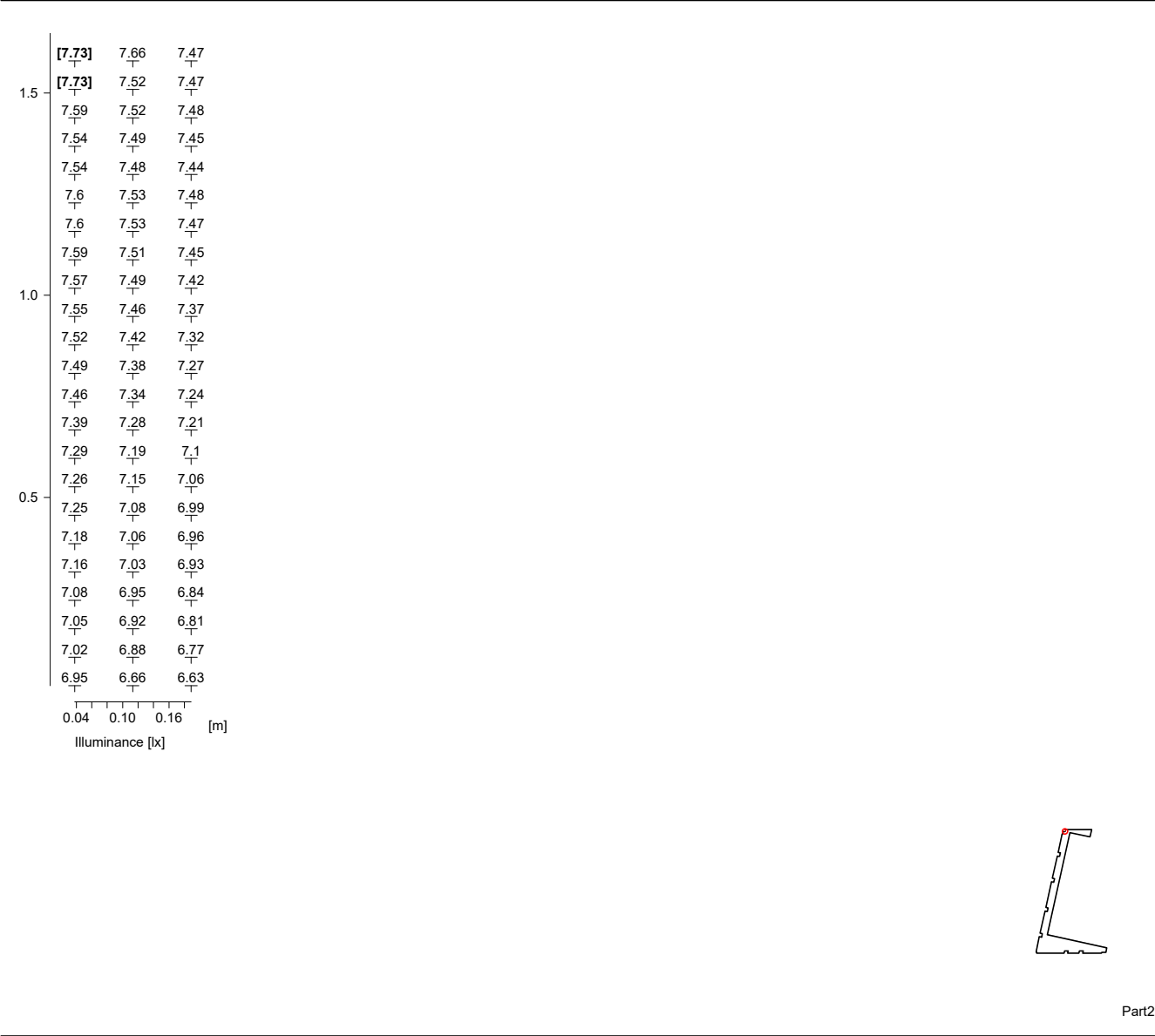


Part1

Average illuminance	Em	: 7.09 lx
Minimum illuminance	Emin	: 6.13 lx
Maximum illuminance	Emax	: 7.73 lx
Uniformity Uo	Emin/Em	: 1 : 1.16 (0.86)
Diversity Ud	Emin/Emax	: 1 : 1.26 (0.79)

2.3 Calculation results, Room 1

2.3.4 Table, Evaluation area 1, Measuring area 3 (Wall) (E)

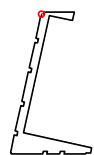


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2.3 Calculation results, Room 1

2.3.5 Table, Evaluation area 1, Measuring area 4 (Wall) (E)

	(7.6)	8	8.3
	7.7	8.2	8.5
	7.9	8.3	8.6
	8.1	8.5	8.8
	8.5	8.9	9.2
3.5	9.2	9.4	9.5
	9.4	9.5	9.6
	9.5	9.6	9.8
	9.7	9.8	10
	9.9	10	10.1
	10	10.1	10.3
3.0	10.1	10.3	10.4
	10.3	10.4	10.6
	10.4	10.6	10.8
	10.5	10.7	10.9
	10.6	10.8	11
	10.7	11	11.2
2.5	10.3	10.8	11.1
	10.2	10.7	11.1
	10.3	10.7	11.2
	10.3	10.8	11.3
	10.4	10.9	11.3
2.0	10.5	11	11.4
	10.6	11.1	11.5
	10.7	11.2	11.7
	10.9	11.4	12
	11.2	11.8	12.3
	11.6	12.1	12.7
1.5	12.4	13.1	13.5
	13.8	14.1	14.3
	14.5	14.6	15
	15.2	15.4	15.7
	16.1	16.3	16.6
	16.9	17	17.3

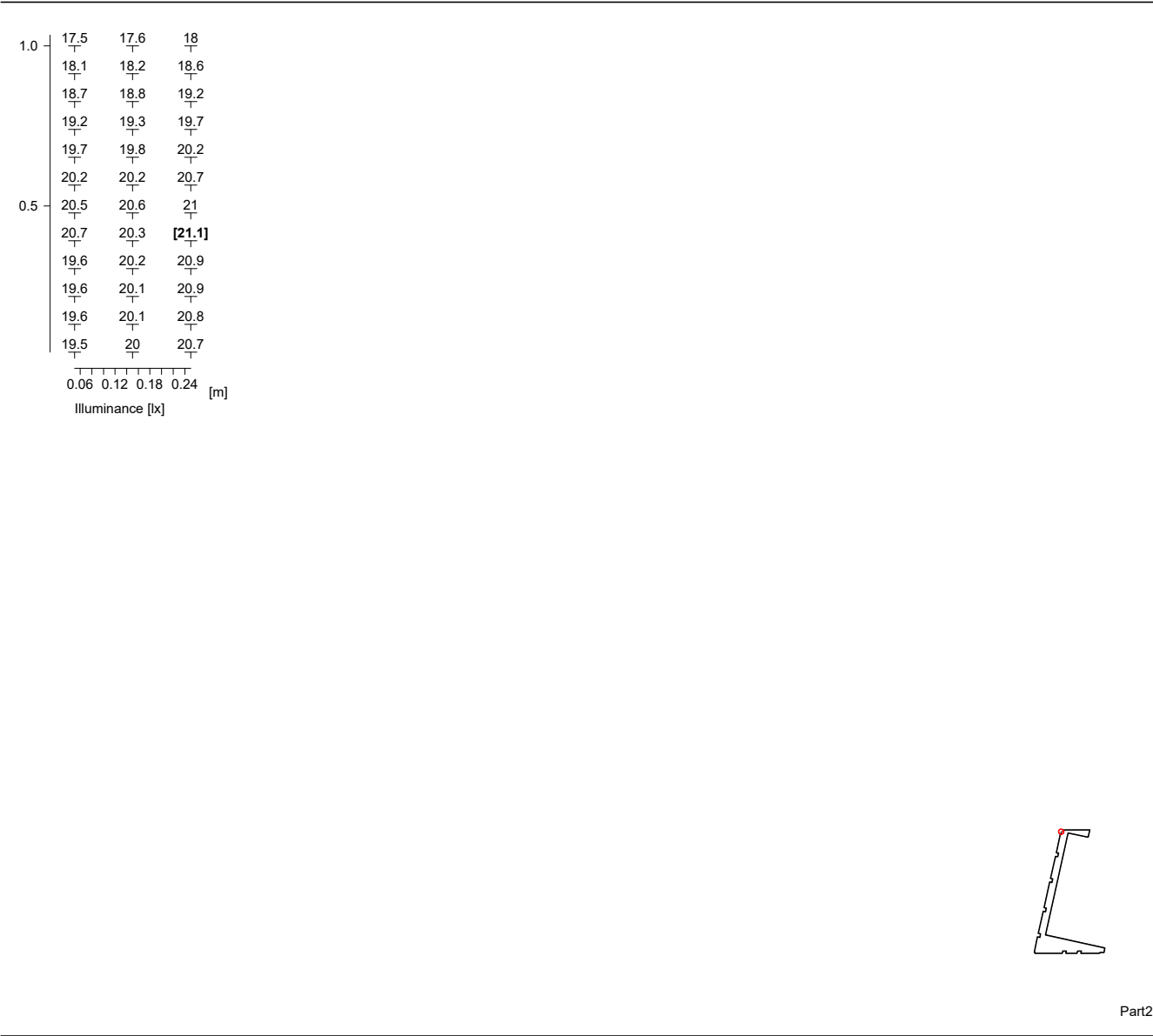


Part1

Average illuminance	Em	: 13.3 lx
Minimum illuminance	Emin	: 7.6 lx
Maximum illuminance	Emax	: 21.1 lx
Uniformity Uo	Emin/Em	: 1 : 1.75 (0.57)
Diversity Ud	Emin/Emax	: 1 : 2.76 (0.36)

2.3 Calculation results, Room 1

2.3.5 Table, Evaluation area 1, Measuring area 4 (Wall) (E)

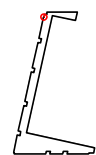


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2.3 Calculation results, Room 1

2.3.6 Table, Evaluation area 1, Measuring area 5 (Wall) (E)

	7.7	7.6	7.4	(6.6)
	7.9	7.8	7.5	6.7
	8.1	7.9	7.7	6.9
	8.4	8.3	8.2	7.1
3.5	8.6	8.5	8.5	8
	8.7	8.6	8.7	8.2
	8.8	8.8	8.8	8.3
	9	8.9	8.9	8.4
3.0	9.1	9	9	8.5
	9.2	9.2	9.2	8.6
	9.3	9.3	9.3	8.7
	9.5	9.4	9.4	8.8
	9.5	9.4	9.2	8.3
2.5	9.5	9.3	9	8.1
	9.6	9.3	9	8.1
	9.6	9.3	9	8.1
	9.8	9.4	9	8.2
2.0	10	9.5	9.1	8.2
	10.4	9.7	9.3	8.4
	11	10.2	9.5	8.5
	11.7	10.7	9.9	8.8
1.5	12.5	11.5	10.5	9.3
	13.3	12.3	11.5	10.2
	13.9	12.9	12.3	11.7
	14.4	13.4	12.7	12.1
	14.9	13.8	13.1	12.4
1.0	15.2	14.2	13.4	12.7
	15.5	14.5	13.7	12.9
	[15.7]	14.7	13.9	13.2
	[15.7]	14.7	14.1	13.3
0.5	[15.7]	14.8	14.1	13.4
	15.4	14.5	13.3	11.8
	15.1	14	12.9	11.6



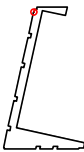
Part1

Average illuminance	Em	: 10.6 lx
Minimum illuminance	Emin	: 6.6 lx
Maximum illuminance	Emax	: 15.7 lx
Uniformity Uo	Emin/Em	: 1 : 1.60 (0.63)
Diversity Ud	Emin/Emax	: 1 : 2.36 (0.42)

2.3 Calculation results, Room 1

2.3.6 Table, Evaluation area 1, Measuring area 5 (Wall) (E)

14.7	13.7	12.6	11.4
14.4	13.3	12.4	11.2
0.10 0.20 0.30 [m]			
Illuminance [lx]			

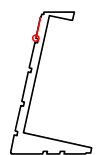
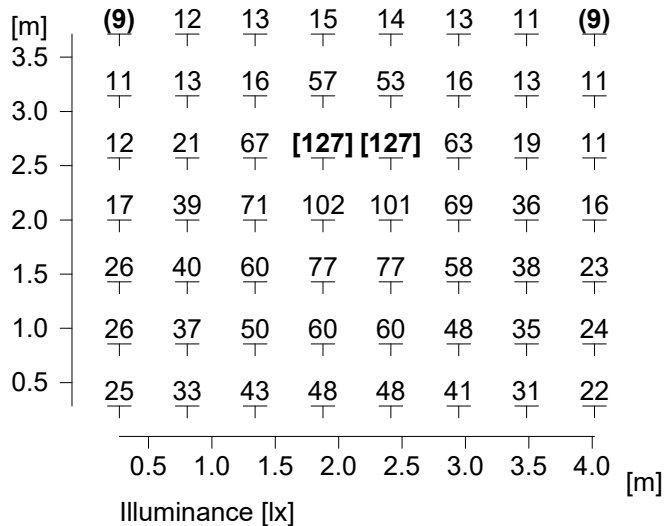


Part2

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2.3 Calculation results, Room 1

2.3.7 Table, Evaluation area 1, Measuring area 6 (Wall) (E)



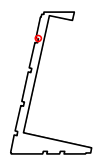
Average illuminance	Em	: 40 lx
Minimum illuminance	Emin	: 9 lx
Maximum illuminance	Emax	: 127 lx
Uniformity Uo	Emin/Em	: 1 : 4.28 (0.23)
Diversity Ud	Emin/Emax	: 1 : 13.77 (0.07)

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2.3 Calculation results, Room 1

2.3.8 Table, Evaluation area 1, Measuring area 7 (Wall) (E)

	9.4	9.4	8.9	(8.7)
	9.5	9.4	9.1	8.8
	9.8	9.5	9.2	8.9
	10	9.7	9.4	9
	10.2	9.9	9.5	9.1
3.5	10.4	10.1	9.7	9.3
	10.7	10.3	9.9	9.5
	11	10.7	10.2	9.7
	11.2	10.9	10.4	10
	11.6	11.2	10.7	10.2
3.0	11.9	11.5	11	10.4
	12.2	11.8	11.2	10.7
	12.6	12.1	11.5	10.9
	12.9	12.4	11.8	11.1
	13.2	12.6	12	11.3
	13.5	12.9	12.3	11.6
2.5	13.8	13.3	12.6	11.9
	14.1	13.6	12.9	12.2
	14.7	14.1	13.3	12.4
	15.3	14.6	13.7	12.7
	16.9	16	15	13.8
2.0	18.9	17.9	16.8	15.6
	21.1	20	18.8	17.6
	23.3	22.2	20.9	19.6
	25.5	24.3	22.9	21.5
	27.3	26.1	24.8	23.4
	29.3	28	26.7	25.2
1.5	31.3	30.1	28.5	27
	32.8	31.6	30.3	28.8
	34	32.8	31.5	30.1
	34.8	33.7	32.4	31
	35.3	34.3	33.1	31.8
1.0	35.7	34.7	33.5	32.3

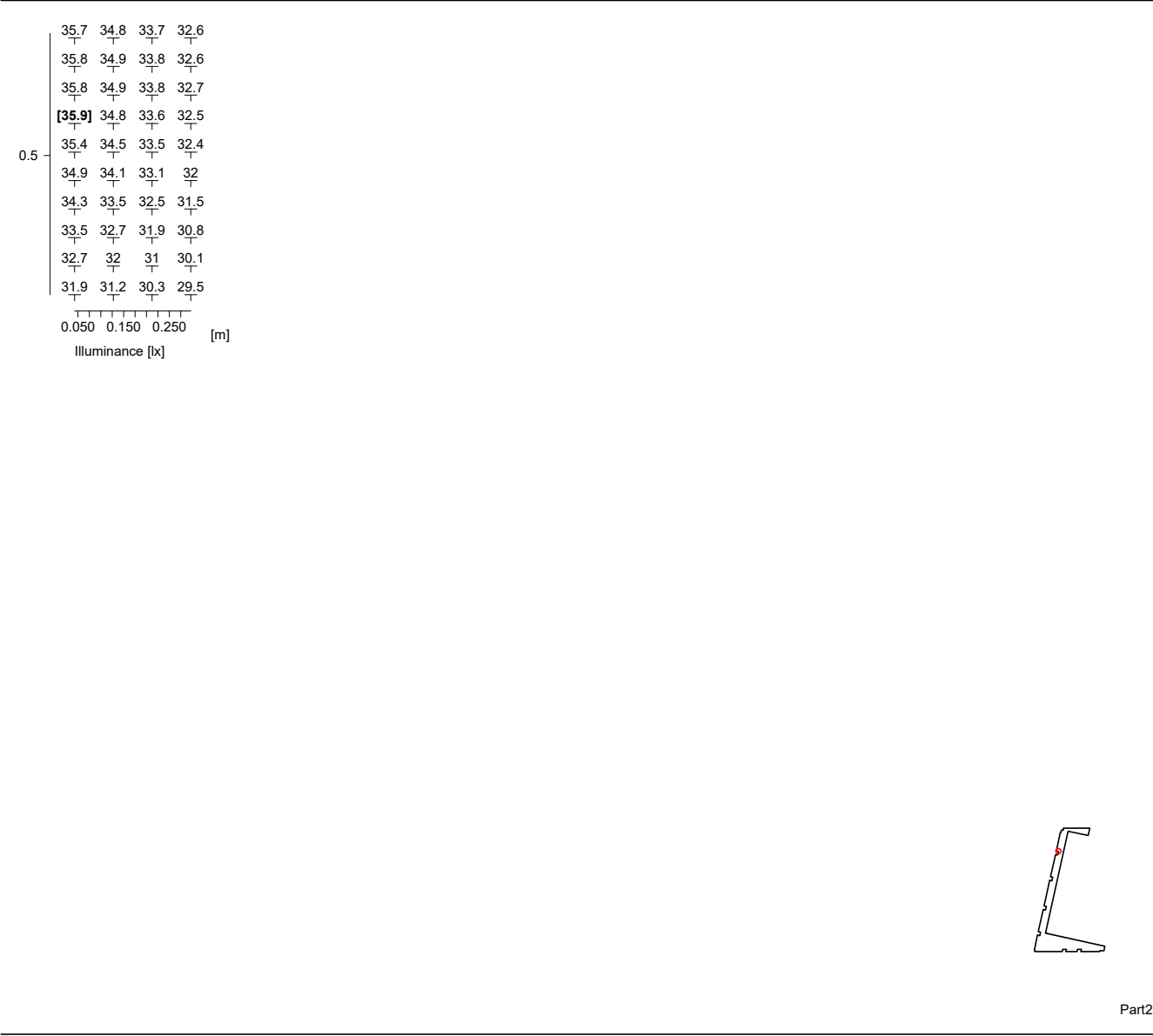


Part1

Average illuminance	Em	: 20.9 lx
Minimum illuminance	Emin	: 8.7 lx
Maximum illuminance	Emax	: 35.9 lx
Uniformity Uo	Emin/Em	: 1 : 2.40 (0.42)
Diversity Ud	Emin/Emax	: 1 : 4.12 (0.24)

2.3 Calculation results, Room 1

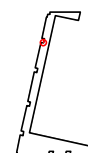
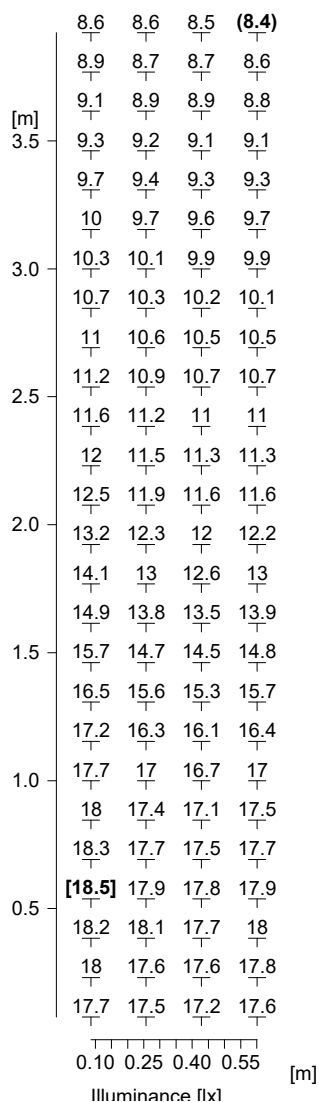
2.3.8 Table, Evaluation area 1, Measuring area 7 (Wall) (E)



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2.3 Calculation results, Room 1

2.3.9 Table, Evaluation area 1, Measuring area 8 (Wall) (E)



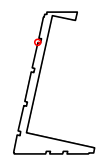
Average illuminance	Em	: 13.1 lx
Minimum illuminance	Emin	: 8.4 lx
Maximum illuminance	Emax	: 18.5 lx
Uniformity Uo	Emin/Em	: 1 : 1.56 (0.64)
Diversity Ud	Emin/Emax	: 1 : 2.19 (0.46)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.10 Table, Evaluation area 1, Measuring area 9 (Wall) (E)

	12	11.9	11.7	(11.5)
	12.3	12.2	12.1	11.9
	12.6	12.5	12.4	12.3
	12.8	12.8	12.7	12.7
	13.1	13	13	13
3.5	13.3	13.4	13.4	13.4
	13.5	13.6	13.6	13.7
	13.7	13.8	13.9	13.9
	13.9	14.1	14.1	14.2
	14.1	14.3	14.4	14.4
3.0	14.4	14.6	14.6	14.7
	14.6	14.8	14.9	15
	14.8	15	15.1	15.2
	14.9	15.1	15.3	15.5
	15.1	15.3	15.5	15.7
2.5	15.2	15.5	15.7	16
	15.4	15.7	16	16.3
	15.8	16.2	16.5	16.9
	16.3	17	17.6	18.2
	17.4	18.2	19.1	19.9
	18.9	20	21.3	22.1
2.0	20.8	22.4	23.7	24.7
	23.1	24.7	26	27.1
	25.2	26.7	27.9	29.1
	27	28.6	29.9	31.2
	28.9	30.4	31.9	33.2
1.5	30.5	32	33.4	34.6
	32	33.4	34.8	36
	33.3	34.7	35.9	37.1
	34.2	35.6	36.7	37.9
	34.6	36.2	37.3	38.4
1.0	35	36.3	37.7	38.6
	35.1	36.4	37.7	[38.7]

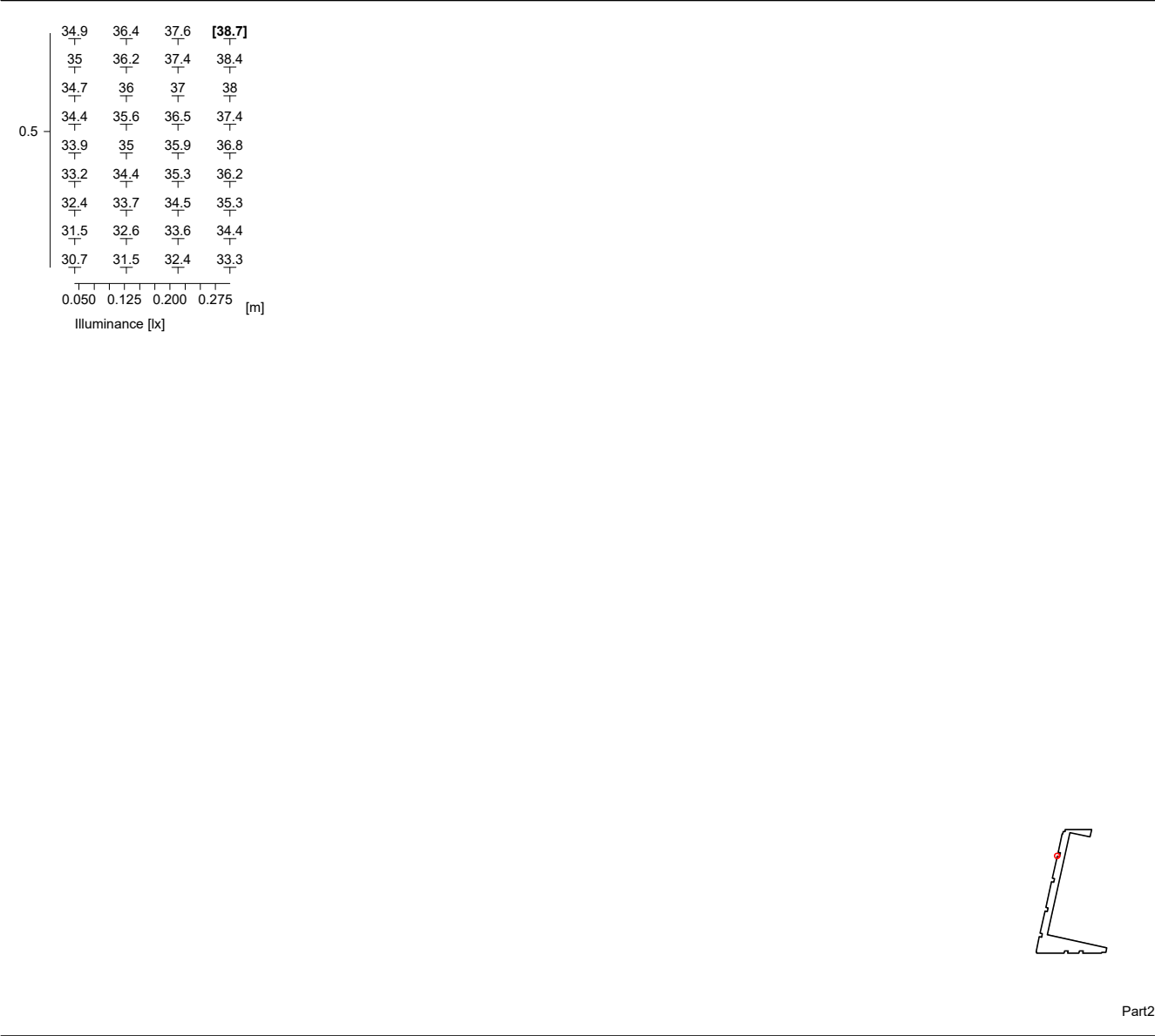


Part1

Average illuminance	Em	: 24 lx
Minimum illuminance	Emin	: 11.5 lx
Maximum illuminance	Emax	: 38.7 lx
Uniformity Uo	Emin/Em	: 1 : 2.08 (0.48)
Diversity Ud	Emin/Emax	: 1 : 3.35 (0.30)

2.3 Calculation results, Room 1

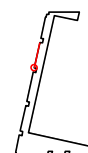
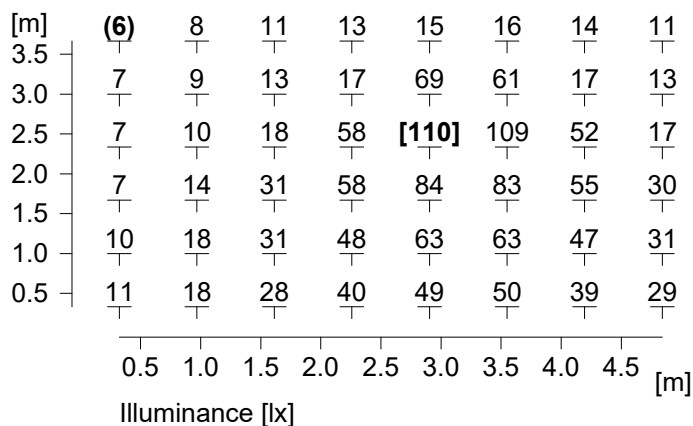
2.3.10 Table, Evaluation area 1, Measuring area 9 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.11 Table, Evaluation area 1, Measuring area 10 (Wall) (E)



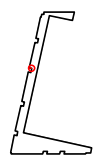
Average illuminance	Em	: 34 lx
Minimum illuminance	Emin	: 6 lx
Maximum illuminance	Emax	: 110 lx
Uniformity Uo	Emin/Em	: 1 : 5.50 (0.18)
Diversity Ud	Emin/Emax	: 1 : 18.04 (0.06)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.12 Table, Evaluation area 1, Measuring area 11 (Wall) (E)

	7.4	7.4	7.3	(7.2)
	7.6	7.5	7.5	7.4
	7.7	7.7	7.6	7.5
	7.9	7.9	7.8	7.7
	8	8	7.9	7.8
3.5	8.1	8.1	8.1	7.9
	8.3	8.3	8.2	8.1
	8.4	8.4	8.4	8.2
	8.5	8.5	8.5	8.3
	8.6	8.6	8.6	8.5
3.0	8.8	8.7	8.7	8.6
	8.9	8.8	8.8	8.7
	9	8.9	8.9	8.8
	9.1	9.1	9	8.9
	9.3	9.3	9.1	8.9
2.5	9.4	9.3	9.2	9
	9.6	9.4	9.3	9.1
	9.6	9.5	9.3	9.1
	9.7	9.6	9.4	9.2
	9.8	9.7	9.5	9.2
	9.9	9.7	9.5	9.2
2.0	9.9	9.8	9.5	9.2
	10	9.8	9.5	9.2
	10	9.8	9.6	9.2
	10.1	9.9	9.6	9.2
	10.1	9.9	9.6	9.3
1.5	10.2	9.9	9.7	9.3
	10.2	9.9	9.8	9.4
	10.5	10.2	9.9	9.4
	10.9	10.6	10.2	9.8
	11.5	11.2	10.8	10.2
1.0	12	11.7	11.3	10.8
	12.6	12.3	11.9	11.4

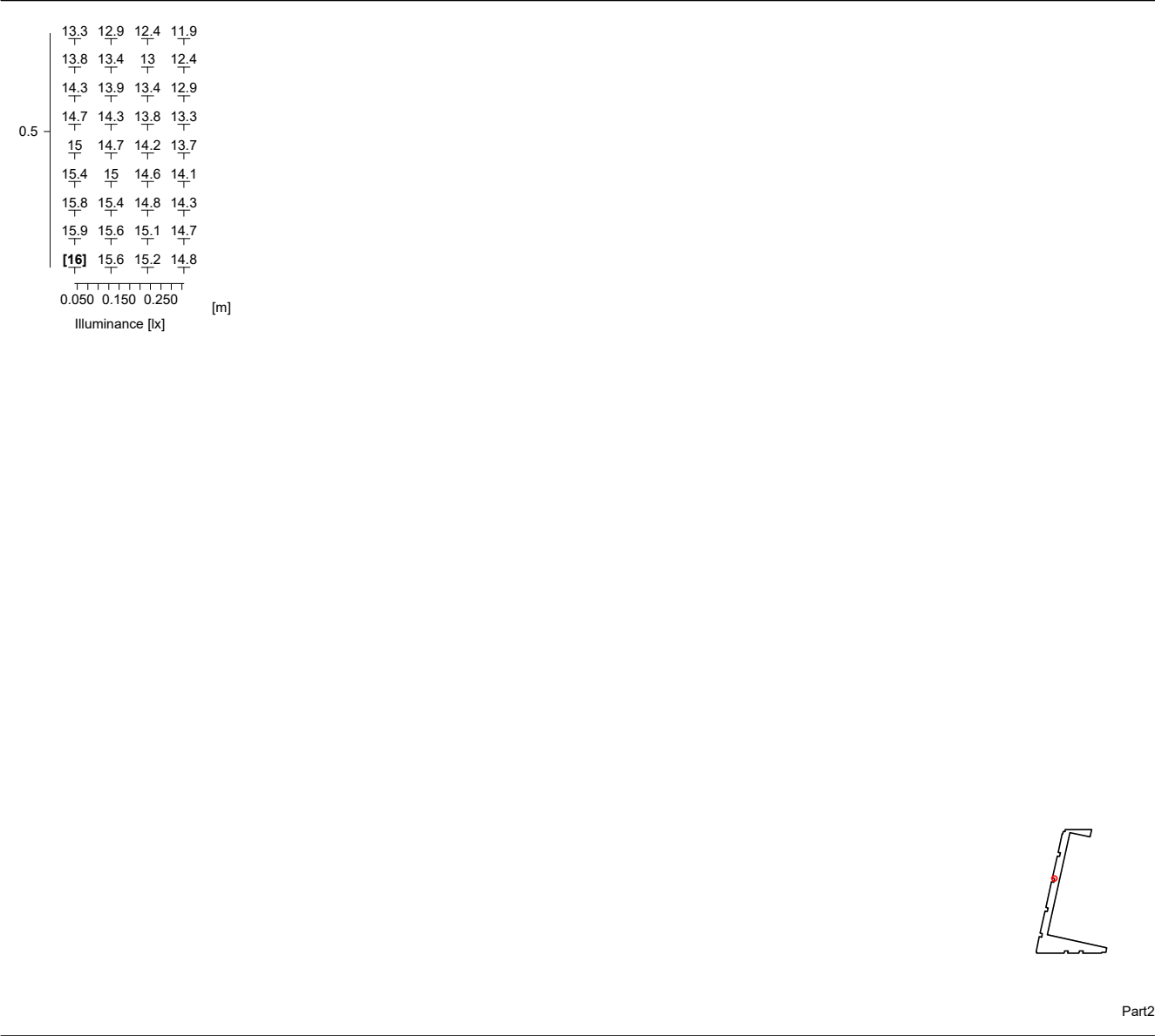


Part1

Average illuminance	Em	: 10.3 lx
Minimum illuminance	Emin	: 7.2 lx
Maximum illuminance	Emax	: 16 lx
Uniformity Uo	Emin/Em	: 1 : 1.43 (0.70)
Diversity Ud	Emin/Emax	: 1 : 2.22 (0.45)

2.3 Calculation results, Room 1

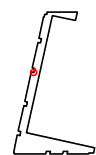
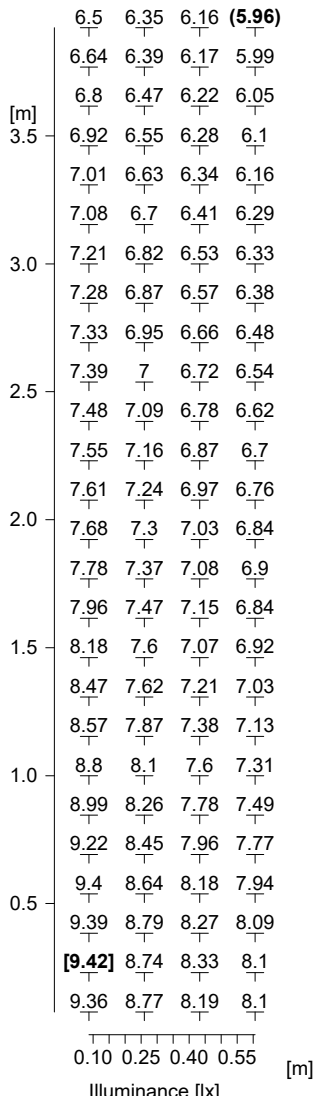
2.3.12 Table, Evaluation area 1, Measuring area 11 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.13 Table, Evaluation area 1, Measuring area 12 (Wall) (E)



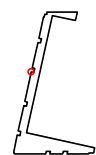
Average illuminance	Em	: 7.33 lx
Minimum illuminance	Emin	: 5.96 lx
Maximum illuminance	Emax	: 9.42 lx
Uniformity Uo	Emin/Em	: 1 : 1.23 (0.81)
Diversity Ud	Emin/Emax	: 1 : 1.58 (0.63)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.14 Table, Evaluation area 1, Measuring area 13 (Wall) (E)

	(9.3)	(9.3)	(9.3)	9.4
	9.5	9.5	9.6	9.6
	9.6	9.7	9.8	9.8
	9.8	9.9	10	10
	9.9	10	10.1	10.2
[m]	10.1	10.2	10.3	10.4
3.5	10.2	10.3	10.5	10.6
	10.4	10.5	10.7	10.8
	10.5	10.7	10.8	10.9
	10.6	10.8	10.9	11
3.0	10.8	10.9	11	11.2
	10.9	11.1	11.2	11.3
	11	11.2	11.3	11.5
	11.1	11.3	11.5	11.6
	11.2	11.4	11.6	11.7
2.5	11.3	11.5	11.7	11.9
	11.3	11.6	11.8	12
	11.4	11.6	11.9	12.1
	11.4	11.7	11.9	12.2
	11.4	11.7	12	12.3
	11.3	11.7	12.1	12.4
2.0	11.3	11.8	12.3	12.7
	11.3	12	12.6	13
	11.8	12.5	13.2	13.7
	12.4	13.2	14	14.5
	13.3	14.2	14.9	15.6
1.5	14.5	15.4	16.1	17
	15.8	16.7	17.4	18.1
	16.9	17.8	18.6	19.3
	17.9	18.8	19.6	20.3
	18.8	19.8	20.6	21.3
1.0	19.8	20.7	21.5	22.3
	20.7	21.6	22.4	23.2

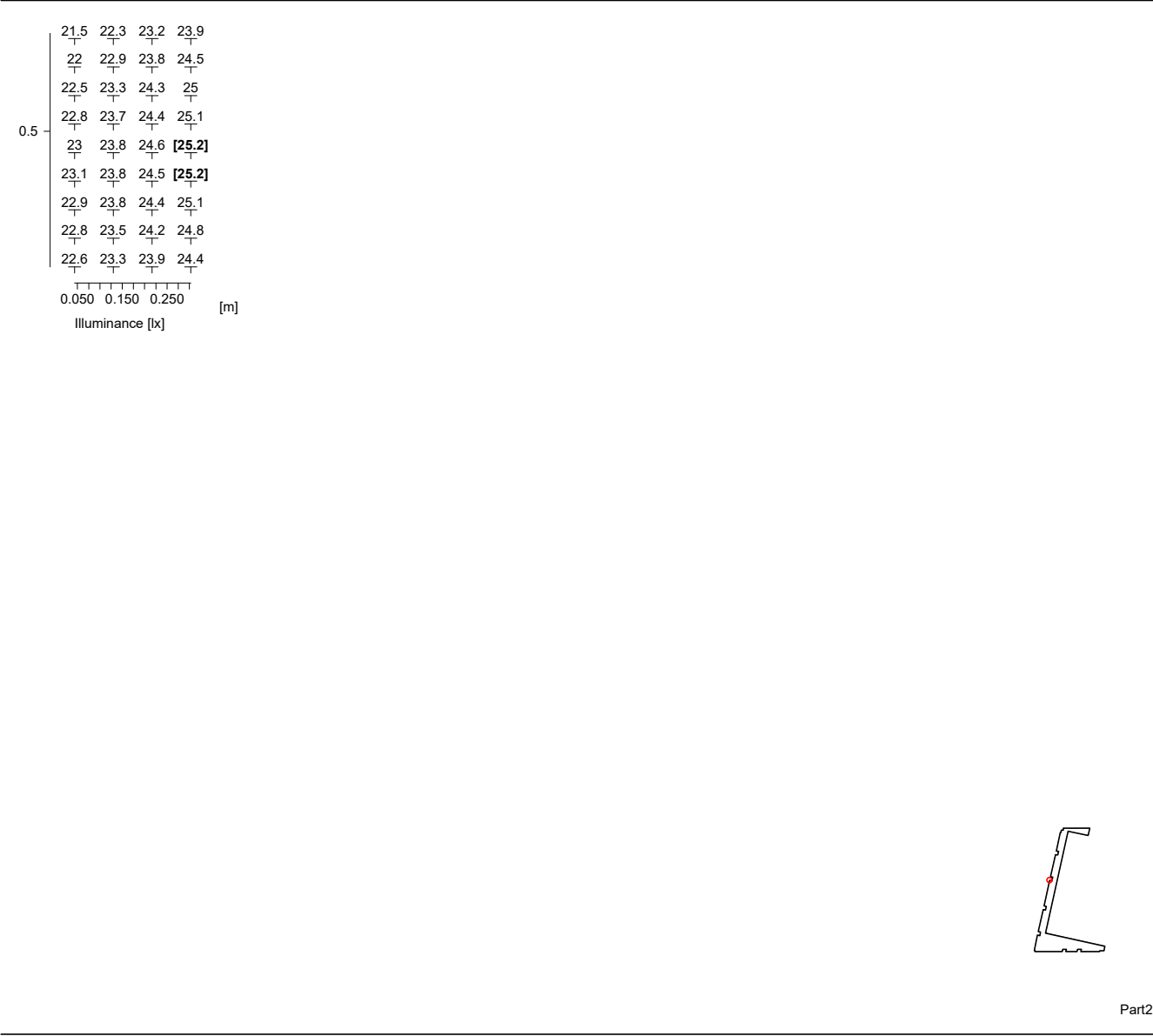


Part1

Average illuminance	Em	: 15.2 lx
Minimum illuminance	Emin	: 9.3 lx
Maximum illuminance	Emax	: 25.2 lx
Uniformity Uo	Emin/Em	: 1 : 1.65 (0.61)
Diversity Ud	Emin/Emax	: 1 : 2.73 (0.37)

2.3 Calculation results, Room 1

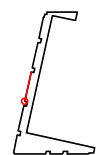
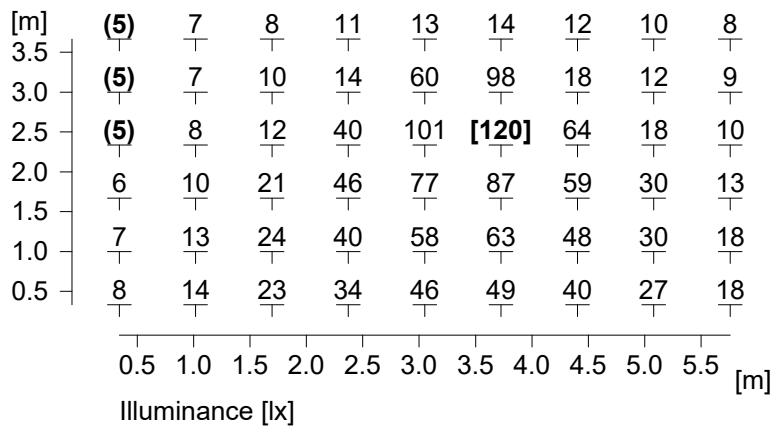
2.3.14 Table, Evaluation area 1, Measuring area 13 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.15 Table, Evaluation area 1, Measuring area 14 (Wall) (E)



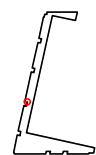
Average illuminance	Em	: 30 lx
Minimum illuminance	Emin	: 5 lx
Maximum illuminance	Emax	: 120 lx
Uniformity Uo	Emin/Em	: 1 : 6.32 (0.16)
Diversity Ud	Emin/Emax	: 1 : 25.42 (0.04)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.16 Table, Evaluation area 1, Measuring area 15 (Wall) (E)

	6.1	6	(5.9)	(5.9)
	6.2	6.1	6.1	6
	6.3	6.2	6.2	6.1
	6.4	6.3	6.3	6.2
	6.5	6.4	6.4	6.3
3.5	6.6	6.5	6.5	6.3
	6.8	6.7	6.5	6.4
	6.9	6.8	6.7	6.6
	6.9	6.8	6.7	6.6
	7	6.9	6.8	6.7
3.0	7.1	7	6.9	6.8
	7.2	7.1	7	6.9
	7.3	7.2	7	6.9
	7.4	7.3	7.1	7
	7.5	7.3	7.2	7.1
2.5	7.5	7.4	7.3	7.1
	7.6	7.5	7.3	7.2
	7.7	7.5	7.4	7.2
	7.7	7.6	7.4	7.3
	7.8	7.6	7.5	7.3
2.0	7.8	7.7	7.5	7.3
	7.9	7.7	7.5	7.3
	7.9	7.7	7.5	7.3
	8	7.8	7.5	7.3
	8	7.8	7.6	7.3
	8	7.8	7.6	7.3
1.5	8.1	7.8	7.6	7.3
	8	7.8	7.6	7.3
	8.1	7.9	7.6	7.3
	8.2	7.9	7.7	7.4
	8.2	8	7.7	7.4
1.0	8.4	8.2	7.9	7.5
	8.7	8.4	8.1	7.8



Part1

Average illuminance	Em	: 7.8 lx
Minimum illuminance	Emin	: 5.9 lx
Maximum illuminance	Emax	: 11.5 lx
Uniformity Uo	Emin/Em	: 1 : 1.33 (0.75)
Diversity Ud	Emin/Emax	: 1 : 1.97 (0.51)

2.3 Calculation results, Room 1

2.3.16 Table, Evaluation area 1, Measuring area 15 (Wall) (E)

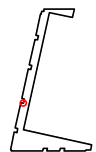
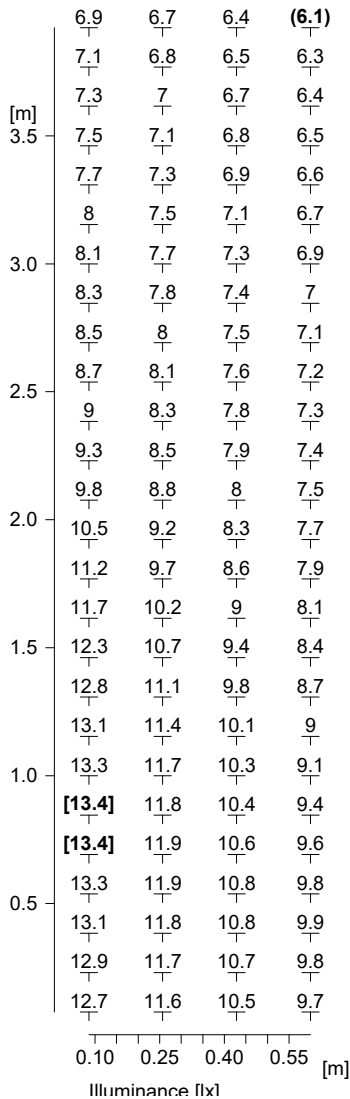


Part2

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.17 Table, Evaluation area 1, Measuring area 16 (Wall) (E)



Average illuminance	Em	: 9.1 lx
Minimum illuminance	Emin	: 6.1 lx
Maximum illuminance	Emax	: 13.4 lx
Uniformity Uo	Emin/Em	: 1 : 1.50 (0.67)
Diversity Ud	Emin/Emax	: 1 : 2.21 (0.45)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.18 Table, Evaluation area 1, Measuring area 17 (Wall) (E)

	(8.8)	9.1	9.2	8.9
	(8.8)	9.1	9.1	9.1
	8.9	9.1	9.3	9.4
	9	9.3	9.6	9.8
	9.1	9.5	9.9	10.2
3.5	9.3	9.8	10.2	10.5
	9.6	10.1	10.6	10.9
	9.8	10.4	10.9	11.3
	10.1	10.8	11.3	11.8
	10.4	11.1	11.7	12.1
3.0	10.7	11.4	12	12.5
	11	11.7	12.4	12.9
	11.2	12	12.8	13.3
	11.5	12.3	13.1	13.7
	11.9	12.7	13.5	14.1
2.5	12.3	13.2	14	14.7
	12.9	13.9	14.9	15.7
	13.6	14.9	16.1	17
	15	16.7	17.9	19.1
	16.9	18.9	20.5	21.7
2.0	19.6	21.8	23.5	24.8
	22.6	24.4	26.1	27.4
	25	26.7	28.3	29.7
	27.1	28.9	30.6	32.1
	29.1	31.1	32.8	34.3
1.5	31.1	33	34.5	36
	32.7	34.5	36	37.5
	33.9	35.7	37.2	38.6
	34.9	36.5	37.9	39.3
	35.3	37	38.4	39.7
1.0	35.6	37.3	38.8	[39.8]
	35.7	37.3	38.7	[39.8]
	35.7	37.2	38.5	39.6
	35.5	36.9	38.2	39.2

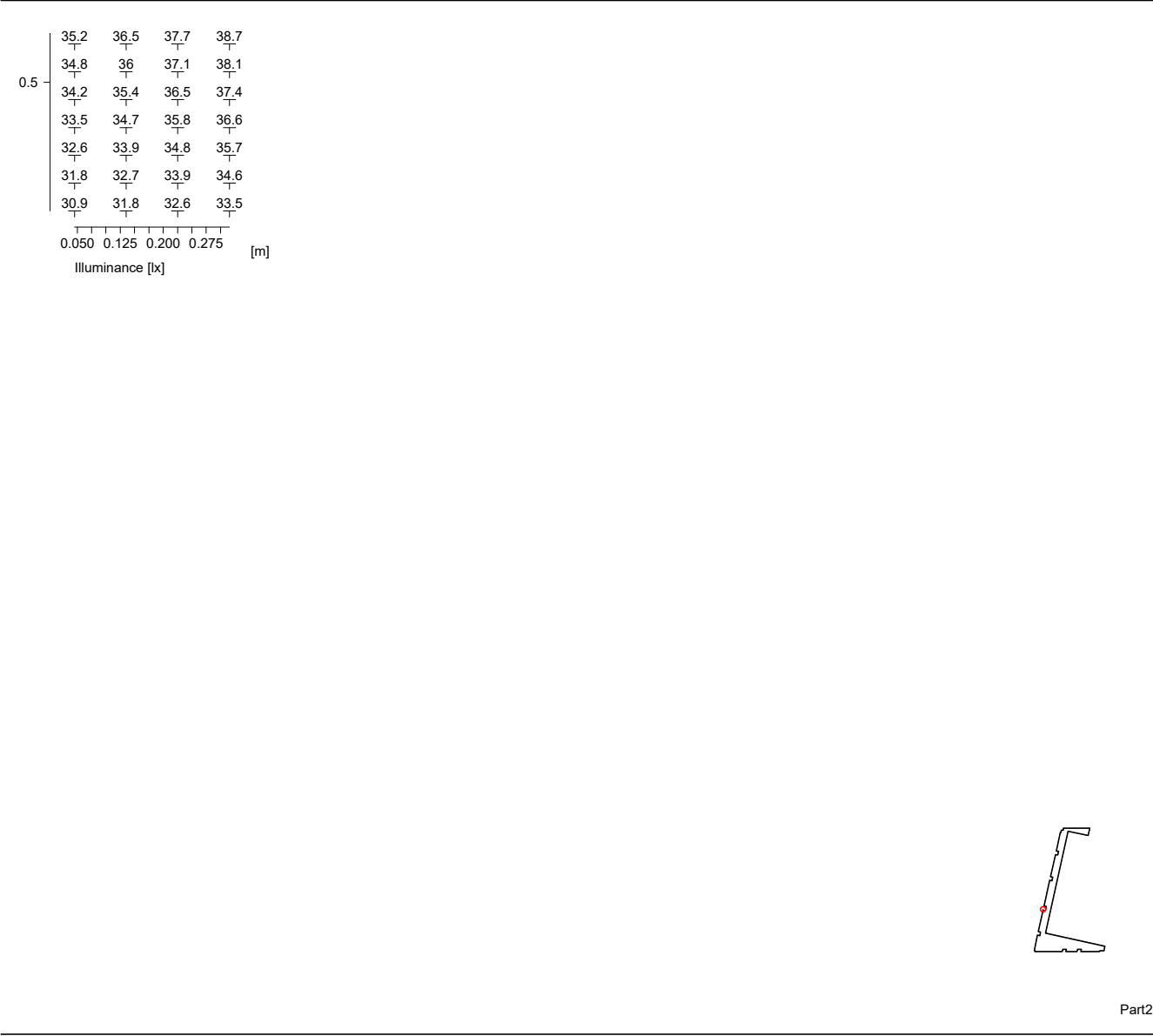


Part1

Average illuminance	Em	: 23.2 lx
Minimum illuminance	Emin	: 8.8 lx
Maximum illuminance	Emax	: 39.8 lx
Uniformity Uo	Emin/Em	: 1 : 2.65 (0.38)
Diversity Ud	Emin/Emax	: 1 : 4.54 (0.22)

2.3 Calculation results, Room 1

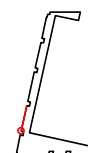
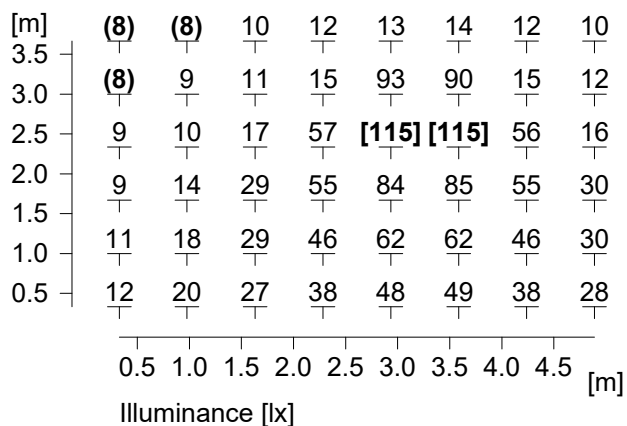
2.3.18 Table, Evaluation area 1, Measuring area 17 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.19 Table, Evaluation area 1, Measuring area 18 (Wall) (E)



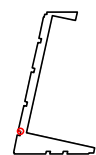
Average illuminance	Em	: 35 lx
Minimum illuminance	Emin	: 8 lx
Maximum illuminance	Emax	: 115 lx
Uniformity Uo	Emin/Em	: 1 : 4.58 (0.22)
Diversity Ud	Emin/Emax	: 1 : 15.28 (0.07)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.20 Table, Evaluation area 1, Measuring area 19 (Wall) (E)

	7.3	7.2	7.2	(7)
	7.4	7.3	7.2	7.1
	7.5	7.4	7.3	7.2
	7.6	7.5	7.4	7.2
	7.7	7.6	7.5	7.3
3.5	7.8	7.7	7.6	7.4
	8	7.8	7.7	7.5
	8.1	8	7.9	7.7
	8.2	8.1	8	7.8
	8.3	8.2	8	7.9
3.0	8.4	8.3	8.1	7.9
	8.5	8.4	8.2	8
	8.6	8.5	8.3	8.2
	8.8	8.6	8.5	8.2
	8.9	8.7	8.5	8.3
2.5	9	8.8	8.6	8.4
	9.1	8.9	8.7	8.5
	9.2	9	8.8	8.6
	9.3	9.1	8.9	8.6
	9.4	9.2	9	8.7
2.0	9.6	9.3	9.1	8.8
	9.7	9.4	9.2	8.9
	9.8	9.5	9.3	9
	9.9	9.6	9.3	9
	10	9.7	9.4	9.1
1.5	10.1	9.8	9.5	9.1
	10	9.9	9.6	9.2
	10.2	9.9	9.6	9.3
	10.3	10	9.8	9.3
	10.6	10.3	9.9	9.5
	11	10.7	10.3	9.8
1.0	11.5	11.2	10.8	10.3
	12.1	11.8	11.3	10.9

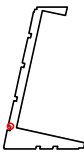


Part1

Average illuminance	Em	: 10.1 lx
Minimum illuminance	Emin	: 7 lx
Maximum illuminance	Emax	: 16.8 lx
Uniformity Uo	Emin/Em	: 1 : 1.44 (0.69)
Diversity Ud	Emin/Emax	: 1 : 2.40 (0.42)

2.3 Calculation results, Room 1

2.3.20 Table, Evaluation area 1, Measuring area 19 (Wall) (E)

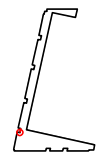
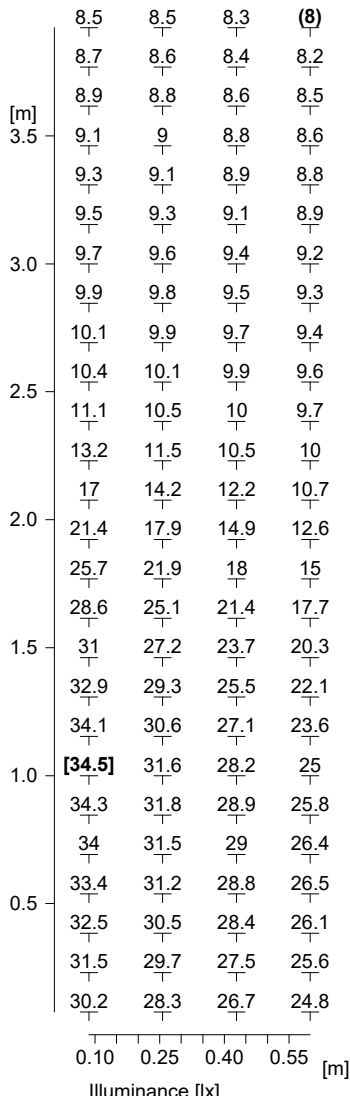


Part2

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.21 Table, Evaluation area 1, Measuring area 20 (Wall) (E)



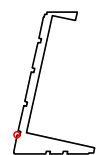
Average illuminance	Em	: 18.2 lx
Minimum illuminance	Emin	: 8 lx
Maximum illuminance	Emax	: 34.5 lx
Uniformity Uo	Emin/Em	: 1 : 2.27 (0.44)
Diversity Ud	Emin/Emax	: 1 : 4.30 (0.23)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.22 Table, Evaluation area 1, Measuring area 21 (Wall) (E)

	(5)	5.1	5.2	5.3
	(5)	5.1	5.2	5.3
	(5)	5.1	5.2	5.3
	5.1	5.2	5.3	5.4
3.5	5.1	5.2	5.3	5.4
	5.1	5.2	5.4	5.5
	5.2	5.3	5.4	5.5
	5.3	5.4	5.5	5.6
	5.3	5.4	5.5	5.6
3.0	5.3	5.4	5.6	5.7
	5.4	5.5	5.6	5.7
	5.4	5.5	5.6	5.8
	5.4	5.6	5.7	5.8
	5.5	5.6	5.8	5.9
2.5	5.5	5.7	5.8	6
	5.6	5.8	5.9	6.2
	5.7	5.9	6.2	6.5
	5.8	6.2	6.5	7.2
	6.2	6.6	7.3	8.2
2.0	6.8	7.4	8.2	9.4
	7.6	8.3	9.4	10.7
	8.4	9.4	10.5	11.9
	9.3	10.4	11.6	13
	10.4	11.4	12.6	14.1
1.5	11.4	12.4	13.6	14.9
	12.4	13.3	14.4	15.7
	13.2	14.1	15.1	16.3
	13.8	14.7	15.7	16.8
	14.4	15.2	16.1	17.3
1.0	14.9	15.6	16.5	17.6
	15.3	16	16.8	17.8
	15.5	16.2	17	[17.9]
	15.7	16.4	17.1	[17.9]
0.5	15.6	16.3	17	17.8

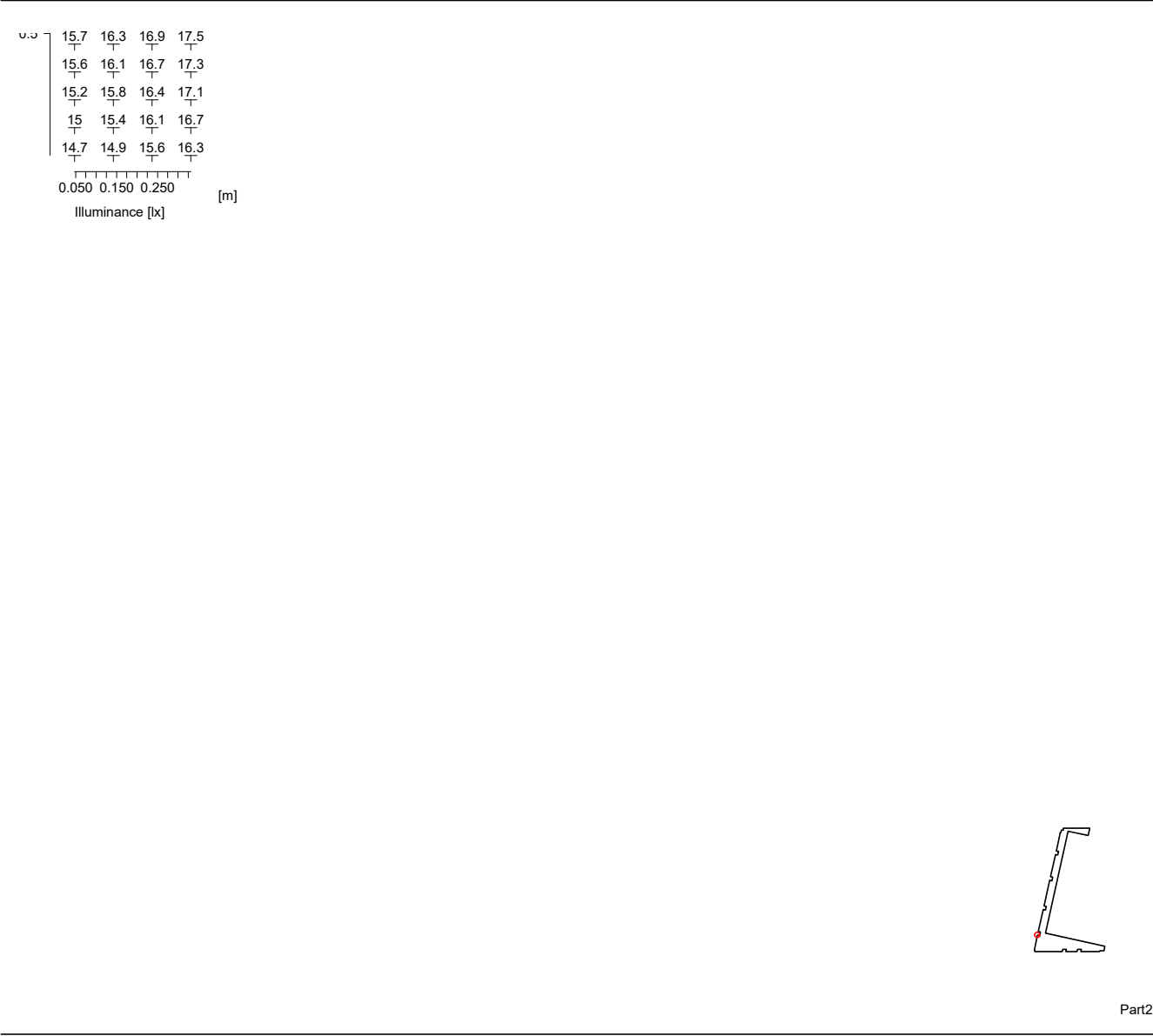


Part1

Average illuminance	Em	: 10.1 lx
Minimum illuminance	Emin	: 5 lx
Maximum illuminance	Emax	: 17.9 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 3.61 (0.28)

2.3 Calculation results, Room 1

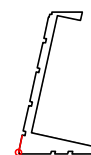
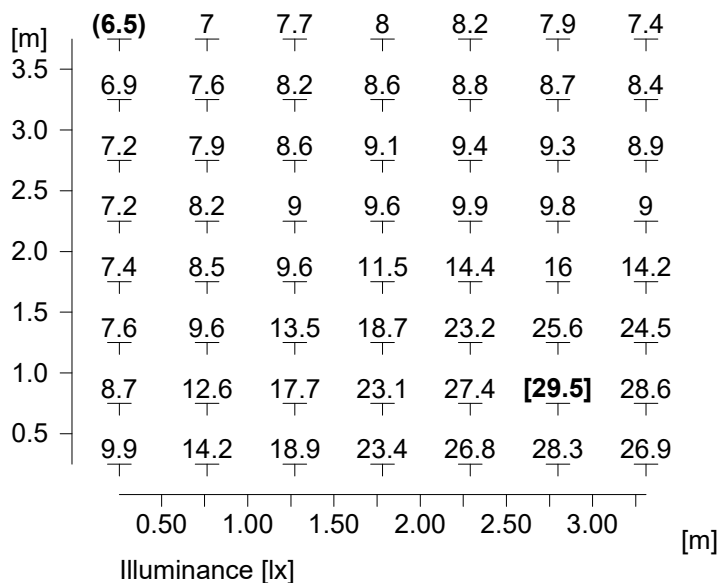
2.3.22 Table, Evaluation area 1, Measuring area 21 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.23 Table, Evaluation area 1, Measuring area 22 (Wall) (E)

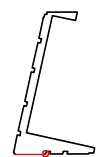
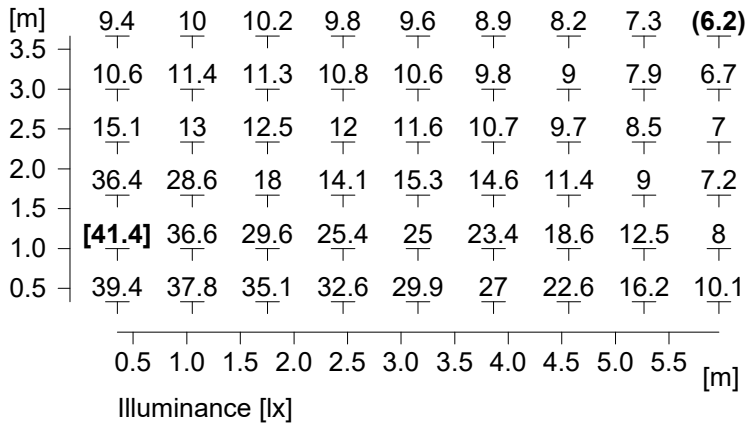


Average illuminance	Em	: 13.1 lx
Minimum illuminance	Emin	: 6.5 lx
Maximum illuminance	Emax	: 29.5 lx
Uniformity Uo	Emin/Em	: 1 : 2.03 (0.49)
Diversity Ud	Emin/Emax	: 1 : 4.58 (0.22)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.24 Table, Evaluation area 1, Measuring area 23 (Wall) (E)



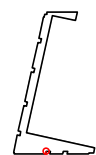
Average illuminance	Em	: 16.6 lx
Minimum illuminance	Emin	: 6.2 lx
Maximum illuminance	Emax	: 41.4 lx
Uniformity Uo	Emin/Em	: 1 : 2.67 (0.37)
Diversity Ud	Emin/Emax	: 1 : 6.66 (0.15)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.25 Table, Evaluation area 1, Measuring area 24 (Wall) (E)

	7.7	7.6	7.5	(7.3)
	7.8	7.7	7.6	7.5
	7.9	7.8	7.7	7.6
	8	7.9	7.8	7.7
	8.1	8	7.9	7.7
3.5	8.2	8.1	7.9	7.8
	8.3	8.2	8.1	7.9
	8.3	8.2	8.1	8
	8.4	8.3	8.2	8.1
	8.5	8.4	8.3	8.1
3.0	8.6	8.5	8.4	8.3
	8.7	8.6	8.5	8.3
	8.9	8.8	8.6	8.4
	9.4	9.1	8.7	8.5
	10.9	9.7	9.2	8.7
	13	11	9.9	9.1
2.5	16.1	13.2	11.2	10
	18.8	15.8	13.2	11.3
	21.4	18.1	15.5	13.2
	23.8	20.4	17.5	15
	25.8	22.5	19.5	17
2.0	27.6	24.3	21.5	19.1
	28.9	26	23.3	21.1
	29.6	27.2	24.8	22.7
	30.3	27.9	25.8	23.9
	30.8	28.5	26.4	24.7
	31	28.9	27	25.5
1.5	[31.1]	29.2	27.4	26
	[31.1]	29.3	27.8	26.2
	31	29.4	27.9	26.6
	30.8	29.3	27.9	26.7
	30.5	29.1	27.8	26.6
1.0	30.3	28.9	27.7	26.7

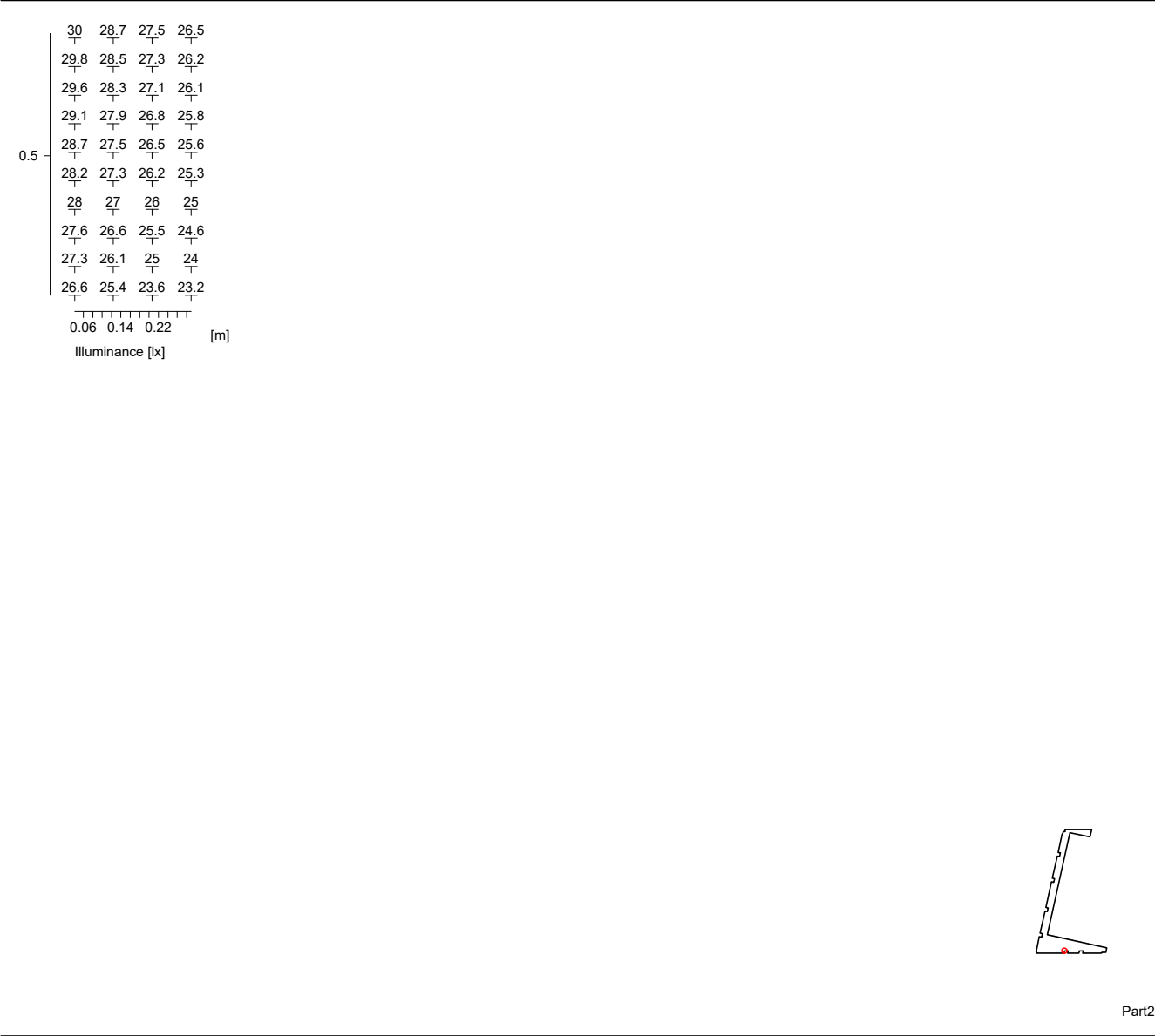


Part1

Average illuminance	Em	: 19 lx
Minimum illuminance	Emin	: 7.3 lx
Maximum illuminance	Emax	: 31.1 lx
Uniformity Uo	Emin/Em	: 1 : 2.58 (0.39)
Diversity Ud	Emin/Emax	: 1 : 4.23 (0.24)

2.3 Calculation results, Room 1

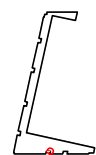
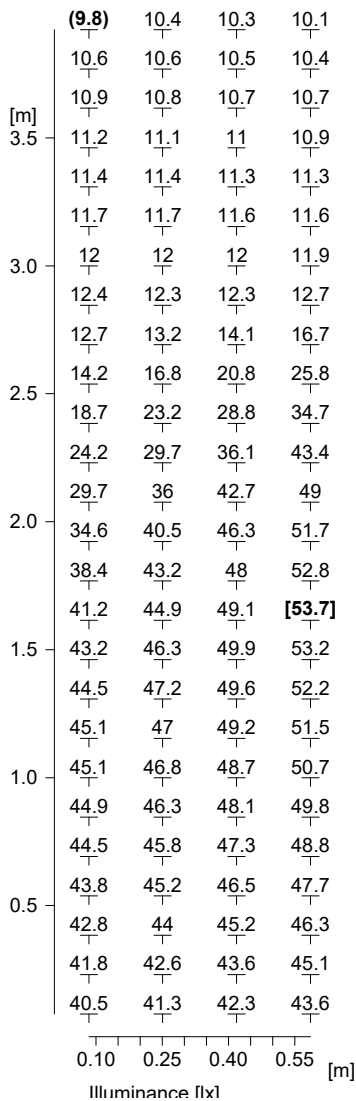
2.3.25 Table, Evaluation area 1, Measuring area 24 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.26 Table, Evaluation area 1, Measuring area 25 (Wall) (E)



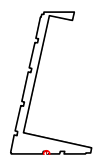
Average illuminance	Em	: 31.6 lx
Minimum illuminance	Emin	: 9.8 lx
Maximum illuminance	Emax	: 53.7 lx
Uniformity Uo	Emin/Em	: 1 : 3.24 (0.31)
Diversity Ud	Emin/Emax	: 1 : 5.50 (0.18)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.27 Table, Evaluation area 1, Measuring area 26 (Wall) (E)

	(8.3)	8.5	8.7	8.9
	8.4	8.7	8.8	9
	8.6	8.8	8.9	9.1
	8.7	8.9	9.1	9.3
	8.8	9	9.2	9.4
3.5	8.9	9.1	9.3	9.6
	9.1	9.3	9.5	9.7
	9.3	9.5	9.7	10
	9.4	9.6	9.8	10.1
	9.5	9.8	10	10.3
	9.6	9.9	10.1	10.5
3.0	9.7	10	10.3	10.6
	9.8	10.1	10.4	10.8
	10	10.3	10.6	10.9
	10.1	10.4	10.7	11.1
	10.2	10.5	10.9	11.3
	10.3	10.7	11	11.5
2.5	10.5	10.9	11.2	11.7
	10.6	11	11.4	11.9
	10.7	11.2	11.6	12.2
	10.8	11.4	11.9	12.5
	10.9	11.8	12.4	13.1
2.0	11.6	12.3	13	13.9
	12.1	13.1	14	15.1
	13	14.2	15.3	16.5
	14	15.4	16.8	17.9
	15.1	16.6	18.3	20
	16.4	18.5	20.1	21.8
1.5	18.3	20.1	21.7	23.4
	19.6	21.4	23	24.8
	21	22.6	24.3	26
	22	23.7	25.4	27.2
	22.9	24.7	26.5	28.2
1.0	24.1	25.8	27.4	29

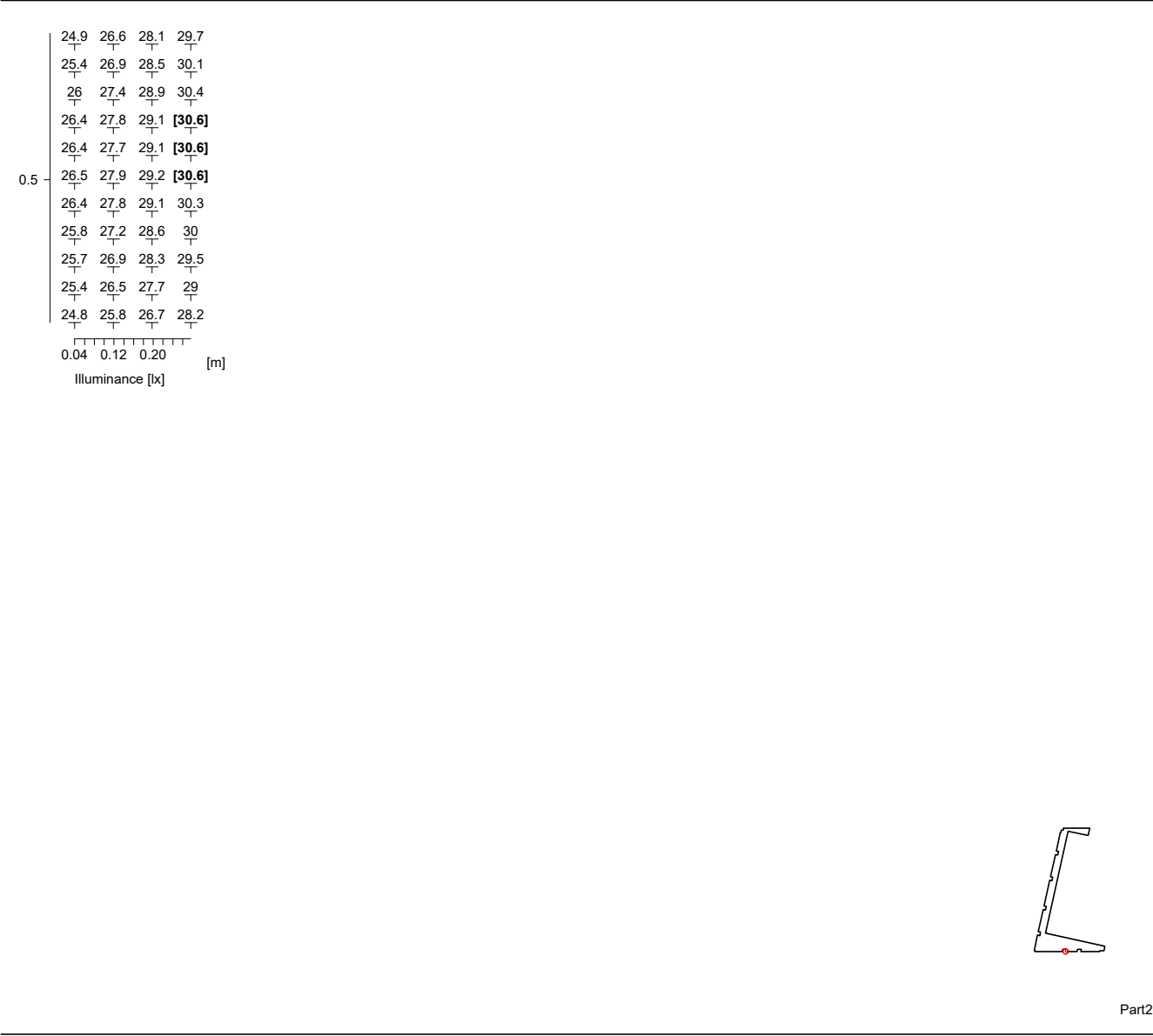


Part1

Average illuminance	Em	: 17 lx
Minimum illuminance	Emin	: 8.3 lx
Maximum illuminance	Emax	: 30.6 lx
Uniformity Uo	Emin/Em	: 1 : 2.06 (0.49)
Diversity Ud	Emin/Emax	: 1 : 3.70 (0.27)

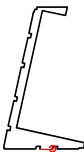
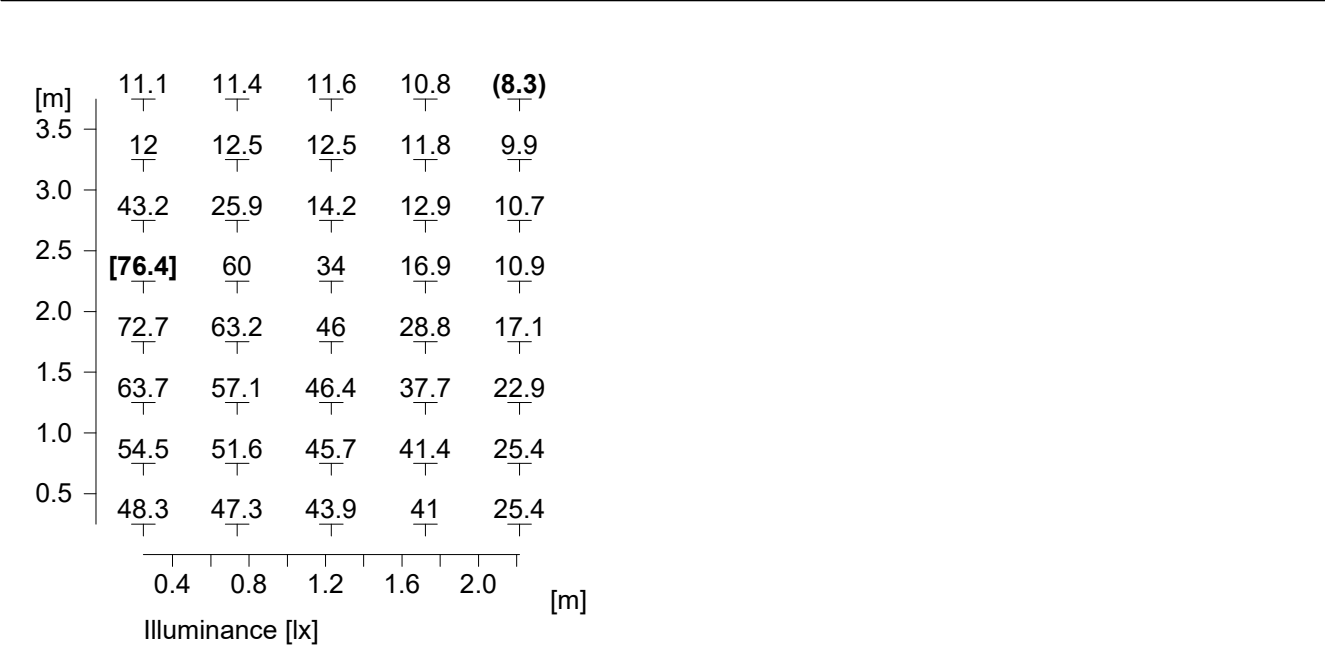
2.3 Calculation results, Room 1

2.3.27 Table, Evaluation area 1, Measuring area 26 (Wall) (E)



2.3 Calculation results, Room 1

2.3.28 Table, Evaluation area 1, Measuring area 27 (Wall) (E)



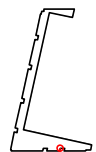
Average illuminance	Em	: 32.4 lx
Minimum illuminance	Emin	: 8.3 lx
Maximum illuminance	Emax	: 76.4 lx
Uniformity Uo	Emin/Em	: 1 : 3.89 (0.26)
Diversity Ud	Emin/Emax	: 1 : 9.16 (0.11)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.29 Table, Evaluation area 1, Measuring area 28 (Wall) (E)

	9.7	9.7	9.5	(9.2)
	9.8	9.7	9.5	(9.2)
	9.9	9.8	9.5	(9.2)
	10.1	9.9	9.6	9.3
	10.2	10	9.7	9.3
3.5	10.5	10.2	9.9	9.5
	10.6	10.4	10.1	9.7
	11.7	10.6	10.2	9.8
	17.5	12.2	10.9	10.1
	31.4	19.5	13.7	11
3.0	45.8	31.5	20.8	14.6
	58.9	42.4	30.4	21.2
	68.2	52.2	39.2	29.3
	73.8	59.7	46.9	36.4
	75.7	63.9	52.6	42.5
	[77.2]	65.7	56.6	47.9
2.5	76.6	66.9	58	51.1
	74.7	66.8	59.2	52.6
	72.7	65.6	59.3	53.4
	70.5	64.1	58.4	53.6
	68.3	62.5	57.3	52.7
2.0	66.5	60.8	56.3	52.3
	63.8	59.1	54.7	50.7
	61.4	57.3	53.4	50
	59	55.5	52.1	49.1
	56.8	53.6	50.6	47.8
	54.9	52	49.1	46.2
1.5	53.2	50.3	47.7	45.5
	51	48.5	46.1	43.8
	49.2	46.9	44.8	42.8
	47.5	45.5	43.5	41.7
	46.1	44.1	42.2	40.4
1.0	44.9	42.9	41.2	39.7

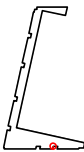


Part1

Average illuminance	Em	: 39 lx
Minimum illuminance	Emin	: 9.2 lx
Maximum illuminance	Emax	: 77.2 lx
Uniformity Uo	Emin/Em	: 1 : 4.24 (0.24)
Diversity Ud	Emin/Emax	: 1 : 8.40 (0.12)

2.3 Calculation results, Room 1

2.3.29 Table, Evaluation area 1, Measuring area 28 (Wall) (E)

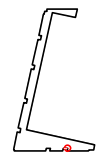
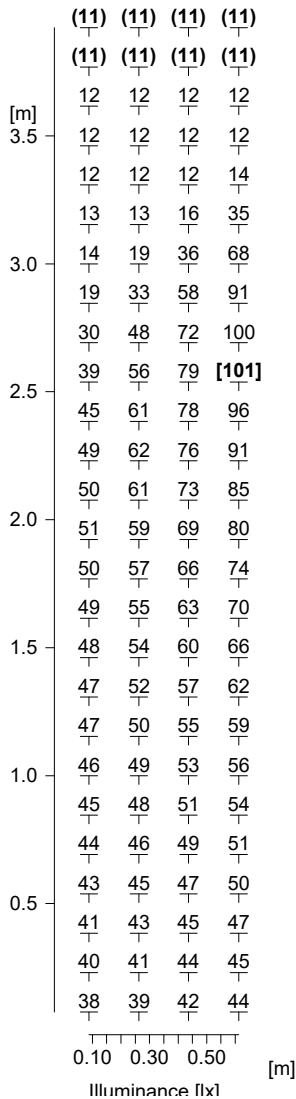


Part2

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.30 Table, Evaluation area 1, Measuring area 29 (Wall) (E)



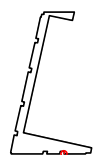
Average illuminance	Em	: 45 lx
Minimum illuminance	Emin	: 11 lx
Maximum illuminance	Emax	: 101 lx
Uniformity Uo	Emin/Em	: 1 : 4.15 (0.24)
Diversity Ud	Emin/Emax	: 1 : 9.29 (0.11)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.31 Table, Evaluation area 1, Measuring area 30 (Wall) (E)

	8.1	8.6	9.1	9.5
	(7.9)	8.6	9.1	9.5
	(7.9)	8.6	9.1	9.5
	8.1	8.6	9.1	9.6
[m]	8.1	8.7	9.2	9.7
3.5	8.2	8.8	9.3	9.9
	8.5	8.9	9.5	10.2
	8.5	9.1	9.7	10.3
	8.7	9.3	9.9	10.5
	8.8	9.5	10.2	10.8
3.0	9	9.7	10.4	11.1
	9.1	9.9	10.7	11.4
	9.3	10.1	10.9	11.7
	9.4	10.3	11.2	12
	9.7	10.5	11.4	12.3
2.5	9.9	10.8	11.7	12.6
	10.2	11.1	12.1	13
	10.4	11.4	12.5	13.6
	10.8	12.1	13.1	14.4
	11.5	12.9	14.4	16
2.0	12.9	14.5	16.1	18
	14.7	16.4	18.4	20.5
	16.6	18.7	21.2	23.4
	18.9	21.1	23.5	25.7
	20.9	23.2	25.6	27.8
1.5	22.8	25	27.3	29.6
	24.5	26.7	28.9	31.2
	25.9	28.1	30.4	32.6
	27	29.2	31.5	33.7
	27.9	30.2	32.5	34.6
1.0	28.9	31	33	35.1
	29.5	31.5	33.4	[35.4]
	29.8	31.6	33.5	[35.4]
	29.8	31.7	33.6	[35.4]

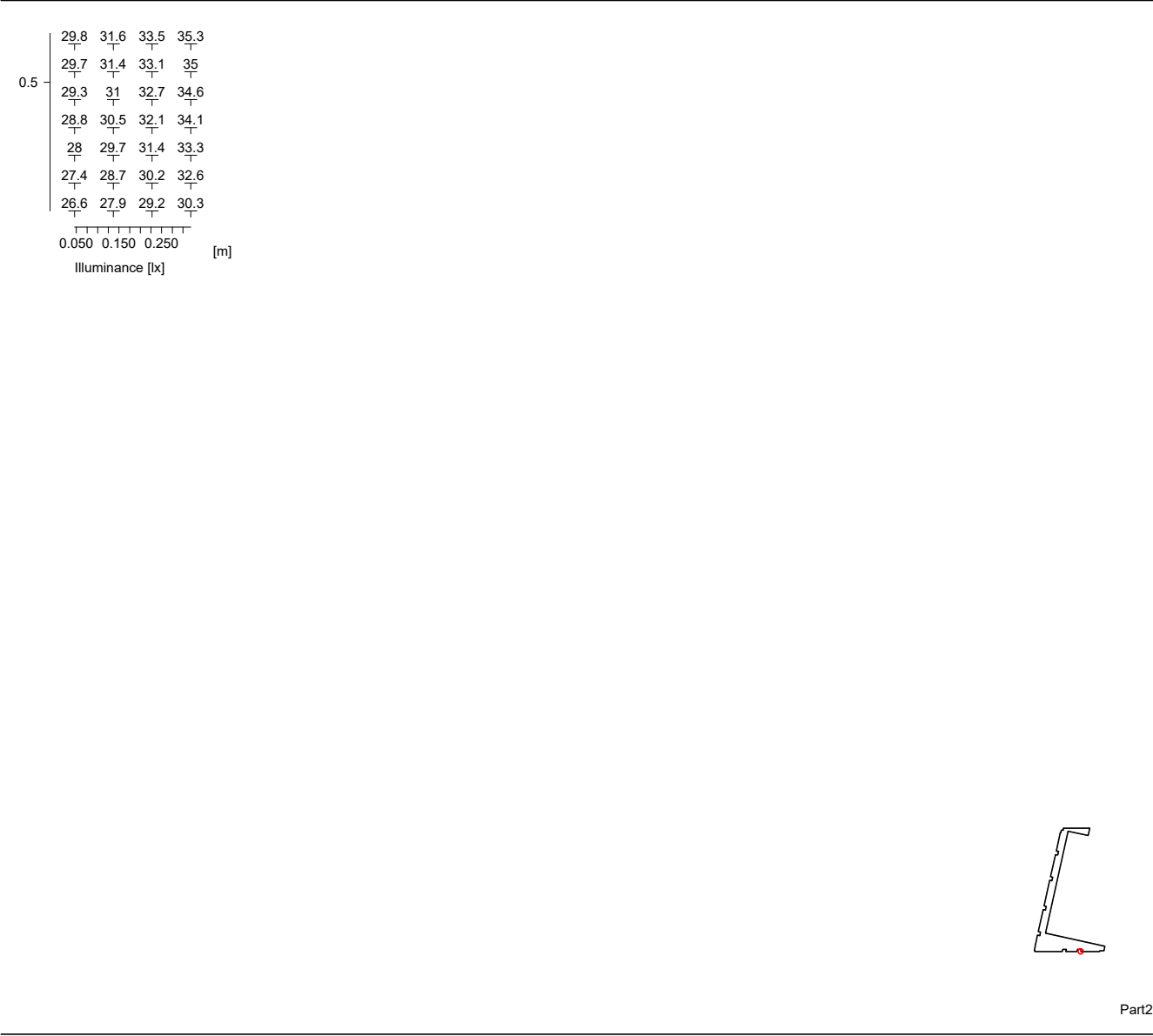


Part1

Average illuminance	Em	: 19.4 lx
Minimum illuminance	Emin	: 7.9 lx
Maximum illuminance	Emax	: 35.4 lx
Uniformity Uo	Emin/Em	: 1 : 2.45 (0.41)
Diversity Ud	Emin/Emax	: 1 : 4.46 (0.22)

2.3 Calculation results, Room 1

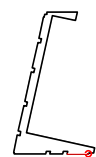
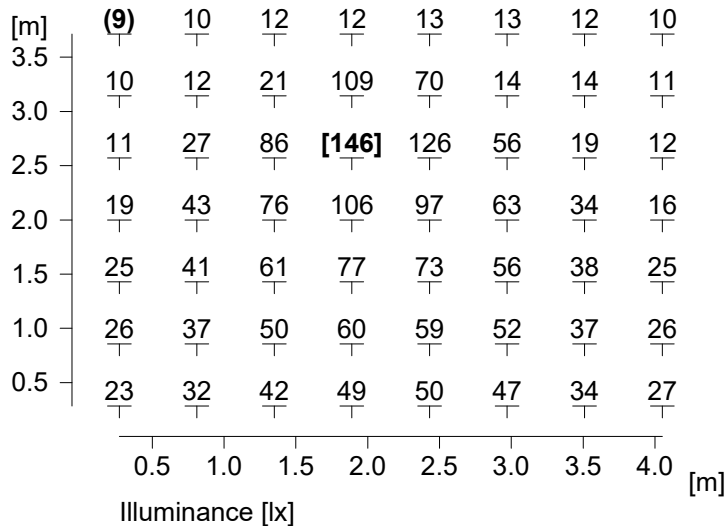
2.3.31 Table, Evaluation area 1, Measuring area 30 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.32 Table, Evaluation area 1, Measuring area 31 (Wall) (E)

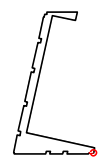
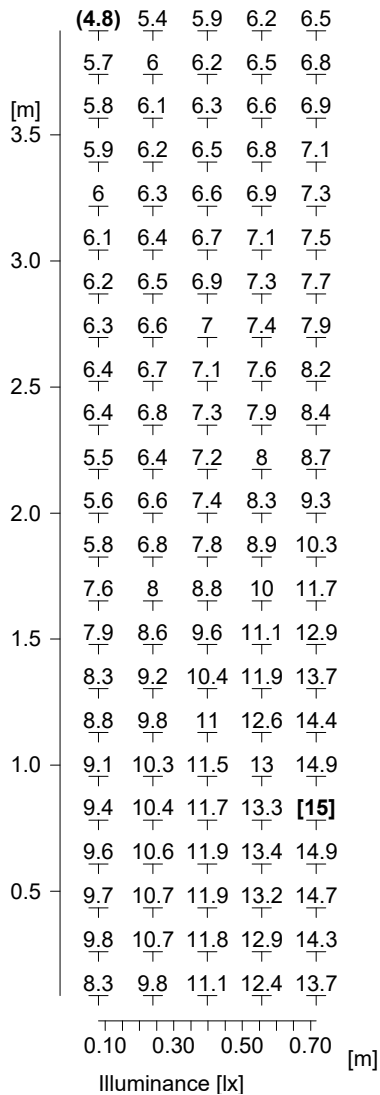


Average illuminance	Em	: 42 lx
Minimum illuminance	Emin	: 9 lx
Maximum illuminance	Emax	: 146 lx
Uniformity Uo	Emin/Em	: 1 : 4.81 (0.21)
Diversity Ud	Emin/Emax	: 1 : 16.82 (0.06)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.33 Table, Evaluation area 1, Measuring area 32 (Wall) (E)

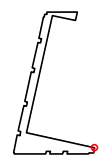
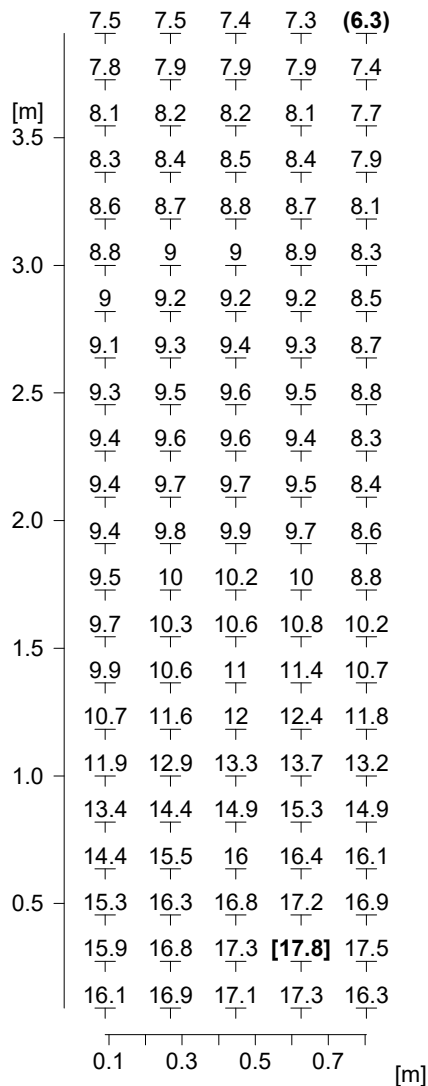


Average illuminance	Em	: 8.8 lx
Minimum illuminance	Emin	: 4.8 lx
Maximum illuminance	Emax	: 15 lx
Uniformity Uo	Emin/Em	: 1 : 1.81 (0.55)
Diversity Ud	Emin/Emax	: 1 : 3.11 (0.32)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.34 Table, Evaluation area 1, Measuring area 33 (Wall) (E)

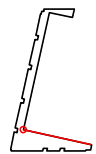
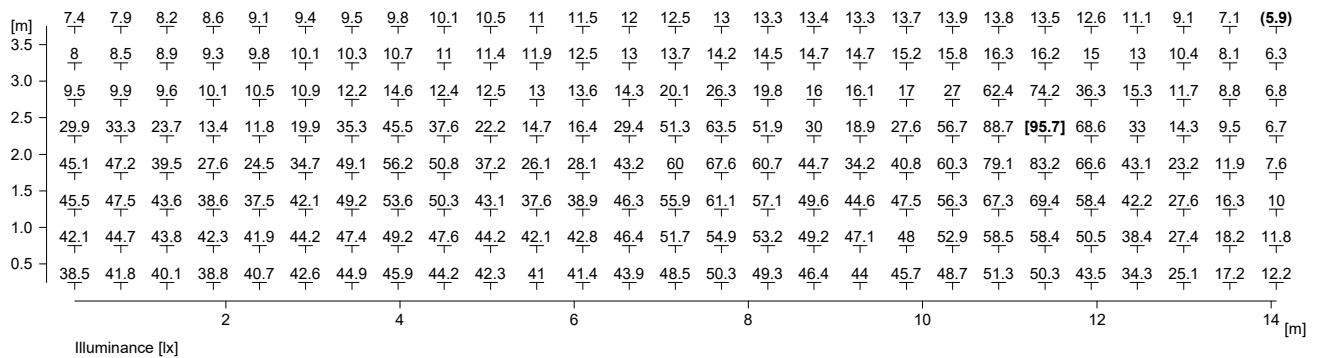


Average illuminance	Em	: 10.9 lx
Minimum illuminance	Emin	: 6.3 lx
Maximum illuminance	Emax	: 17.8 lx
Uniformity Uo	Emin/Em	: 1 : 1.74 (0.57)
Diversity Ud	Emin/Emax	: 1 : 2.83 (0.35)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.35 Table, Evaluation area 1, Measuring area 34 (Wall) (E)



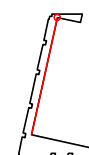
Average illuminance	Em	: 31.6 lx
Minimum illuminance	Emin	: 5.9 lx
Maximum illuminance	Emax	: 95.7 lx
Uniformity Uo	Emin/Em	: 1 : 5.33 (0.19)
Diversity Ud	Emin/Emax	: 1 : 16.15 (0.06)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.36 Table, Evaluation area 1, Measuring area 35 (Wall) (E)

[m]	(6)	7	9	10	12	12	12	11	10	10	9	9	10	11	12	12	12	11	9	8	7	7	7	7	9	10	10	11	11	11	9
3.5	7	8	10	12	28	125	28	13	12	11	10	10	12	13	62	187	33	12	10	9	8	7	7	8	9	10	12	35	124	22	11
3.0	7	9	12	32	117	181	120	33	14	12	11	11	13	41	137	197	117	29	11	9	8	8	8	9	10	12	36	125	179	109	27
2.5	8	10	21	54	102	134	102	54	23	13	12	13	24	58	107	137	97	48	19	10	9	8	8	9	11	22	57	104	132	96	48
2.0	9	15	29	51	80	97	81	52	31	17	14	18	31	52	81	96	76	47	26	14	9	8	8	10	16	30	52	81	95	76	47
1.5	11	18	30	45	63	73	64	47	32	21	18	21	31	46	63	70	60	42	27	17	11	8	9	12	19	30	46	63	71	61	42
1.0	13	19	28	40	52	58	53	41	30	23	21	23	30	40	51	55	49	37	26	18	12	9	10	13	20	28	40	51	55	50	37
0.5	12	18	25	35	44	48	44	36	28	23	21	22	28	35	43	46	42	33	24	17	12	10	10	13	18	26	35	42	46	42	33
					2			4					6			8			10					12			14			16	
	Illuminance [lx]																														



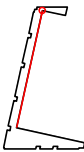
Part1

Average illuminance	Em	: 33 lx
Minimum illuminance	Emin	: 6 lx
Maximum illuminance	Emax	: 197 lx
Uniformity Uo	Emin/Em	: 1 : 5.41 (0.18)
Diversity Ud	Emin/Emax	: 1 : 32.72 (0.03)

2.3 Calculation results, Room 1

2.3.36 Table, Evaluation area 1, Measuring area 35 (Wall) (E)

8	(6)	(6)	(6)	(6)	7	9	10	11	12	12	11	10	8	7	(6)
9	8	7	7	7	8	10	12	15	78	55	13	11	9	8	7
11	9	7	7	7	9	11	18	75	161	149	56	14	11	9	8
18	10	8	7	8	10	15	38	82	125	119	71	31	13	10	8
26	13	9	8	8	12	23	43	69	94	90	63	37	20	11	9
27	17	11	9	10	15	25	39	57	71	70	53	36	23	14	11
26	18	12	10	11	17	25	36	48	57	56	45	33	23	16	12
24	17	12	11	12	16	23	32	41	47	46	39	30	21	16	13
18					20					22					24 [m]

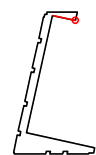
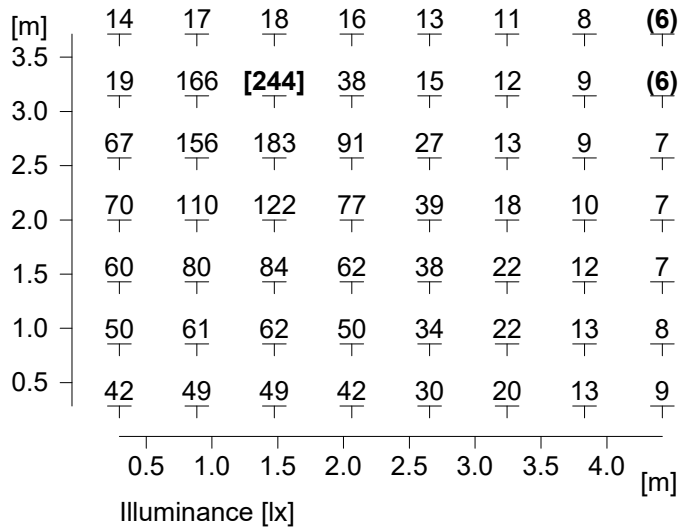


Part2

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.37 Table, Evaluation area 1, Measuring area 36 (Wall) (E)

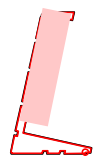
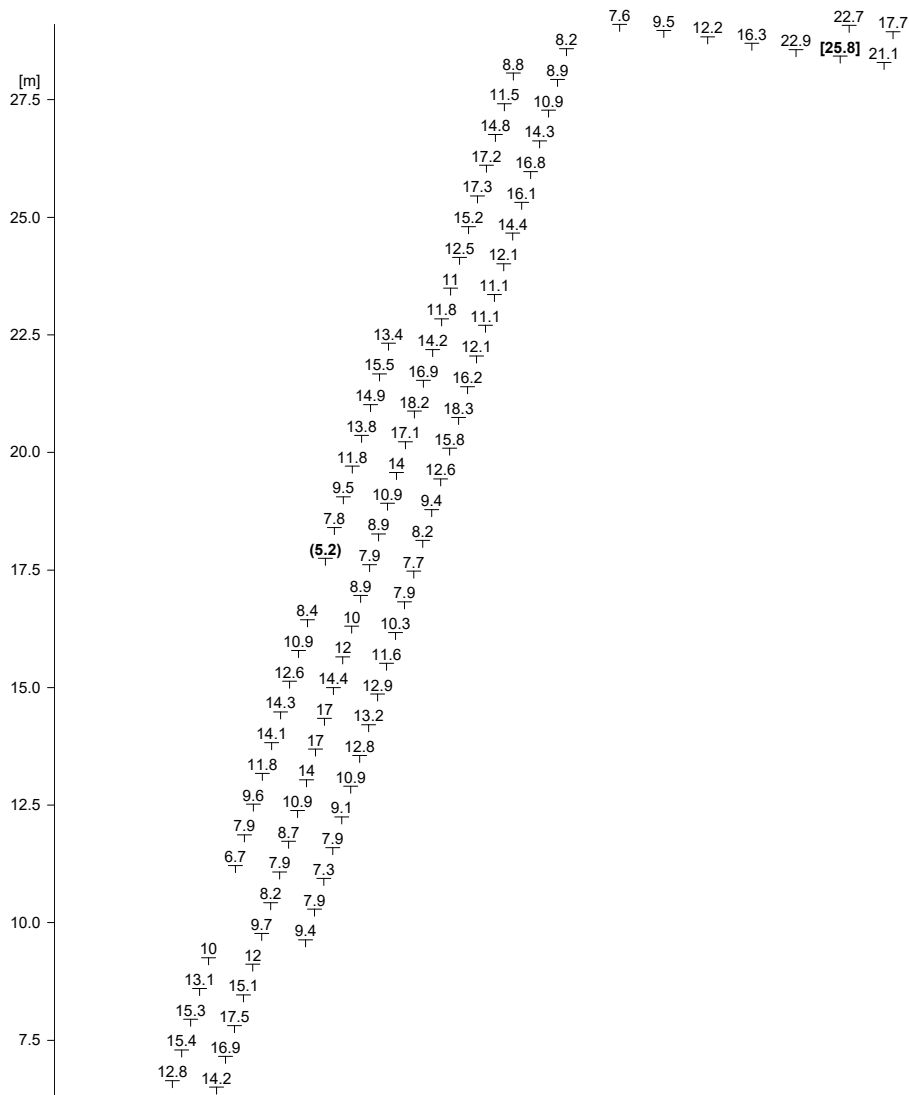


Average illuminance	Em	: 45 lx
Minimum illuminance	Emin	: 6 lx
Maximum illuminance	Emax	: 244 lx
Uniformity Uo	Emin/Em	: 1 : 7.46 (0.13)
Diversity Ud	Emin/Emax	: 1 : 40.12 (0.02)

Object :
Installation :
Project number : 5448
Date : 29.09.2022

2.3 Calculation results, Room 1

2.3.38 Table, Evaluation area 1, Measuring area 37 (Ceiling) (E)

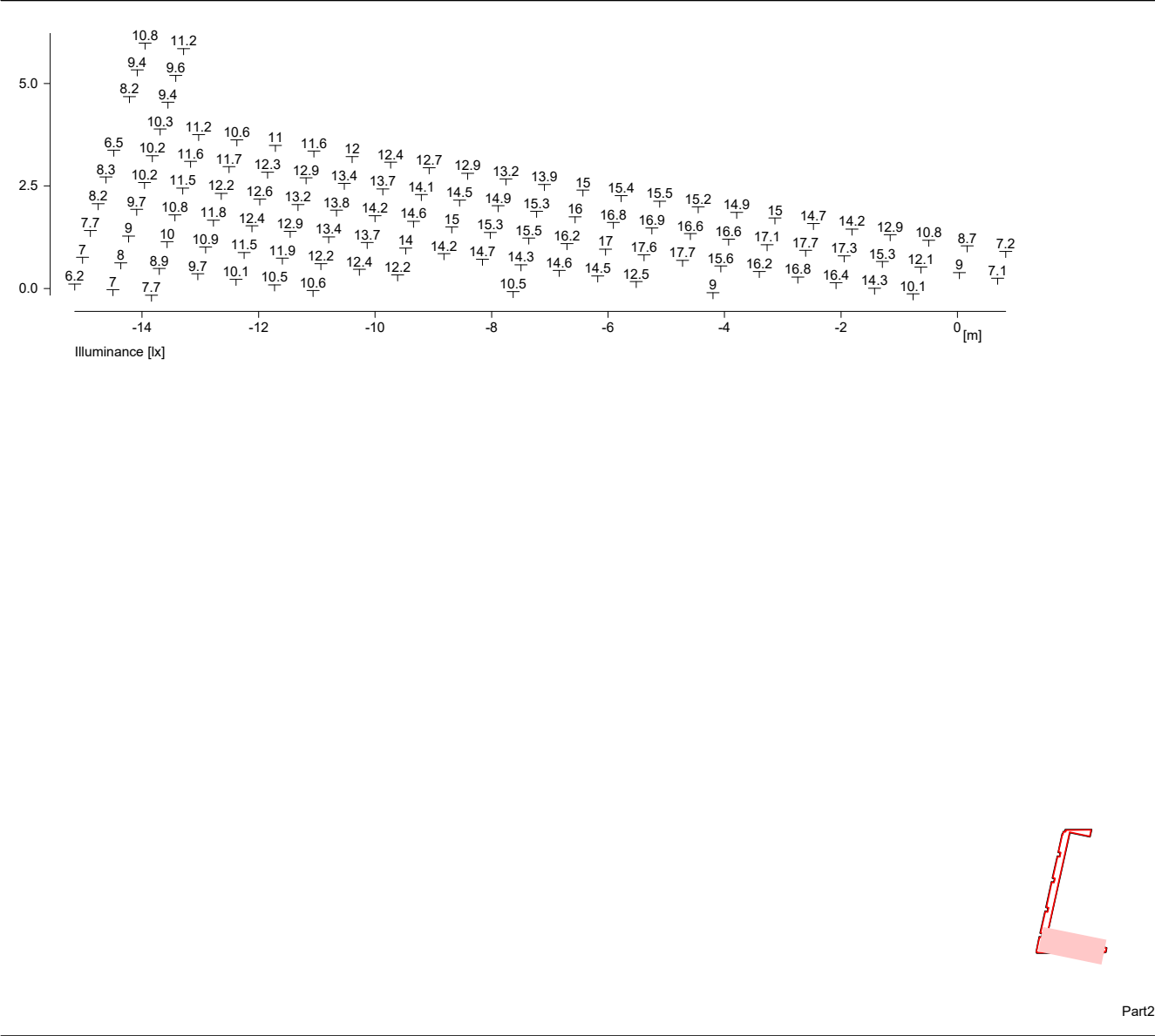


Part1

Average illuminance	Em	: 12.6 lx
Minimum illuminance	Emin	: 5.2 lx
Maximum illuminance	Emax	: 25.8 lx
Uniformity Uo	Emin/Em	: 1 : 2.41 (0.41)
Diversity Ud	Emin/Emax	: 1 : 4.96 (0.20)

2.3 Calculation results, Room 1

2.3.38 Table, Evaluation area 1, Measuring area 37 (Ceiling) (E)

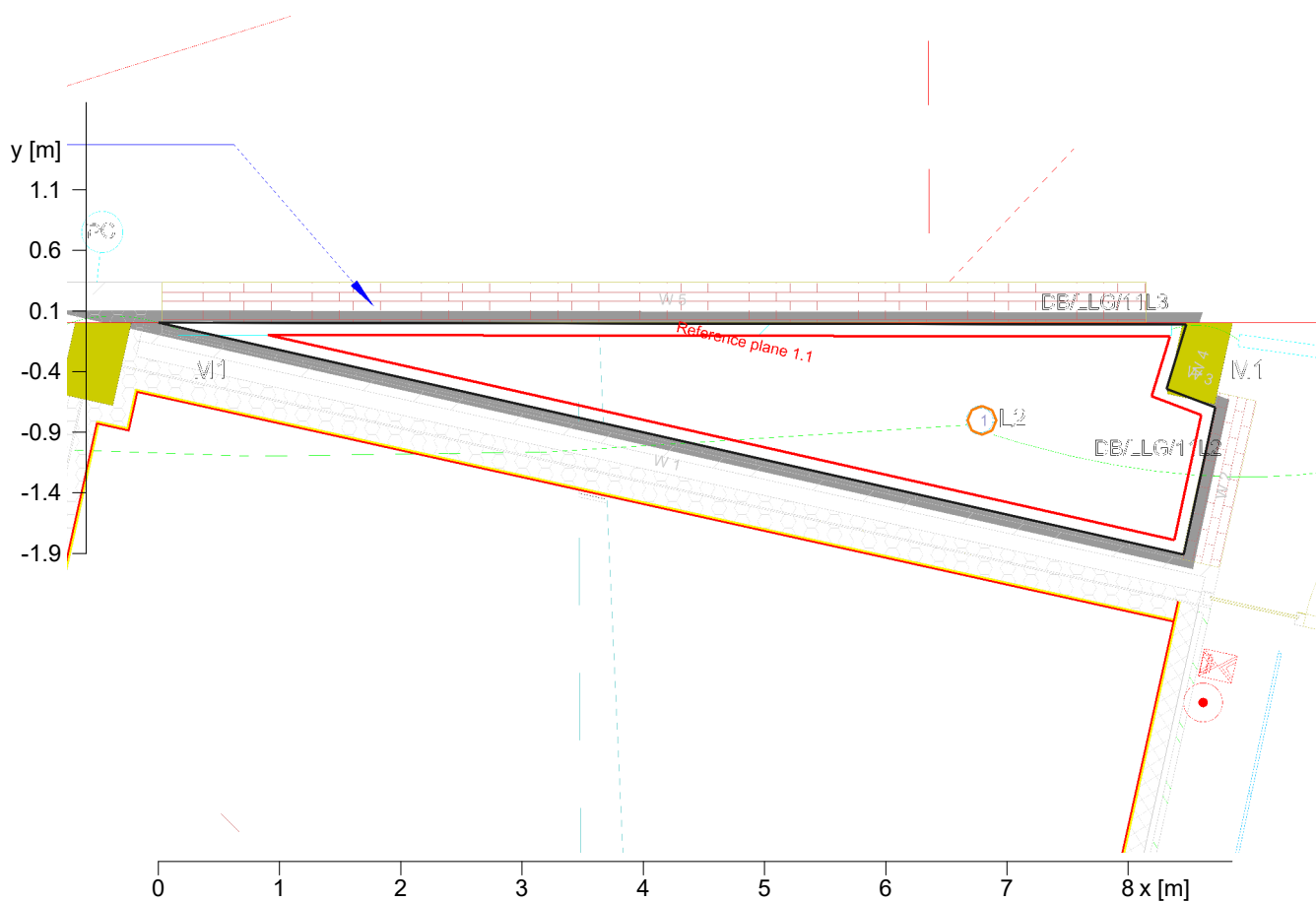


Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

3 Room 1(Copy of)

3.1 Description, Room 1(Copy of)

3.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	27.33 m	27.75 m	8.66 m	50.0 %
2	27.59 m	28.97 m	1.24 m	50.0 %
3	27.19 m	29.12 m	0.43 m	50.0 %
4	27.35 m	29.65 m	0.56 m	50.0 %
5	18.88 m	29.66 m	8.47 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		4.20 m		
Height of ref. plane		0.00 m		

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Object :
Installation :
Project number : 5448
Date : 29.09.2022

3 Room 1(Copy of)

3.2 Summary, Room 1(Copy of)

3.2.1 Result overview, Evaluation area 1

M 1.5 (Wall)	24.4 lx	0.07
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Type No.\Make

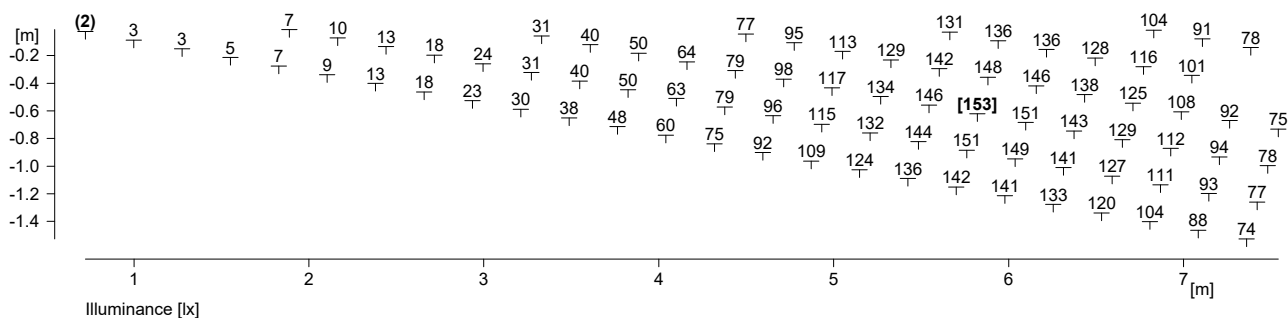
3	1 x	Apollo Lighting Ltd
		Order No. : NELED1002040
		Luminaire name : Nebula LED 100 25.1W 2050lm 4000K
		Equipment : 1 x LED 25.1 W / 2050 lm

Object :
Installation :
Project number : 5448
Date : 29.09.2022

3 Room 1(Copy of)

3.3 Calculation results, Room 1(Copy of)

3.3.1 Table, Reference plane 1.1 (E)

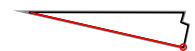
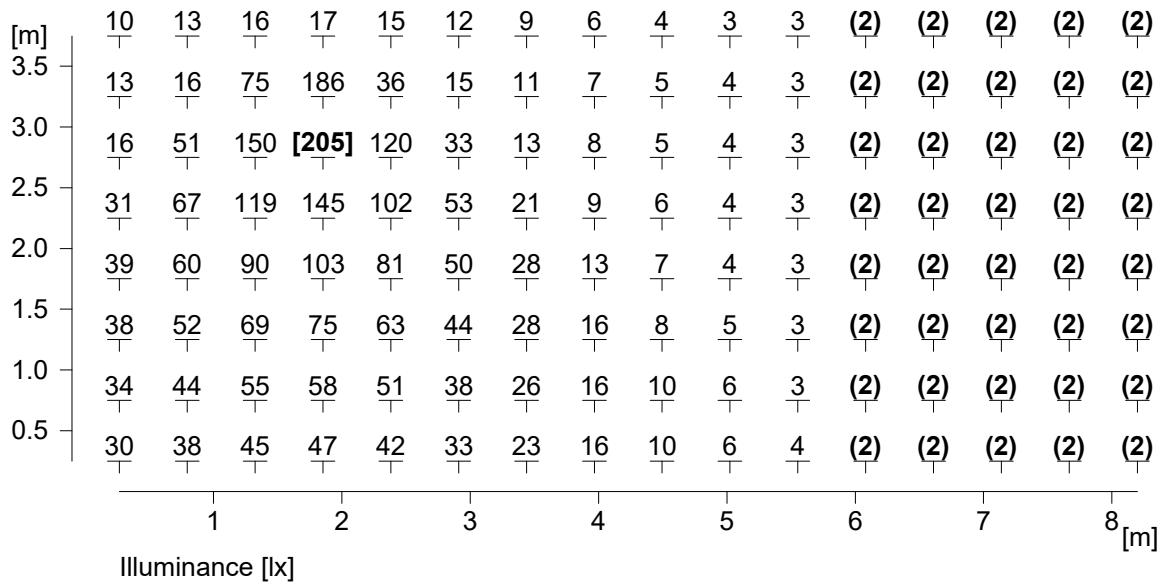


Height reference plane	:	0.00 m
Average illuminance	Em	: 88 lx
Minimum illuminance	Emin	: 2 lx
Maximum illuminance	Emax	: 153 lx
Uniformity Uo	Emin/Em	: 1 : 40.45 (0.02)
Diversity Ud	Emin/Emax	: 1 : 70.35 (0.01)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

3.3 Calculation results, Room 1(Copy of)

3.3.2 Table, Evaluation area 1, Measuring area 1 (Wall) (E)

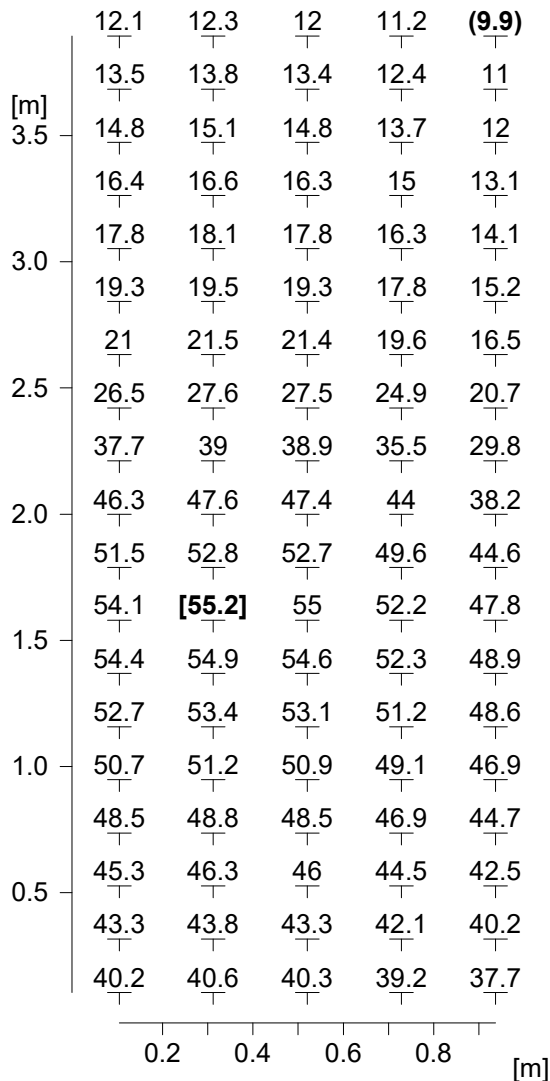


Average illuminance	Em	: 25 lx
Minimum illuminance	Emin	: 2 lx
Maximum illuminance	Emax	: 205 lx
Uniformity Uo	Emin/Em	: 1 : 15.48 (0.06)
Diversity Ud	Emin/Emax	: 1 : 125.29 (0.01)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

3.3 Calculation results, Room 1(Copy of)

3.3.3 Table, Evaluation area 1, Measuring area 2 (Wall) (E)



Average illuminance	Em	: 34.1 lx
Minimum illuminance	Emin	: 9.9 lx
Maximum illuminance	Emax	: 55.2 lx
Uniformity Uo	Emin/Em	: 1 : 3.44 (0.29)
Diversity Ud	Emin/Emax	: 1 : 5.58 (0.18)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

3.3 Calculation results, Room 1(Copy of)

3.3.4 Table, Evaluation area 1, Measuring area 3 (Wall) (E)

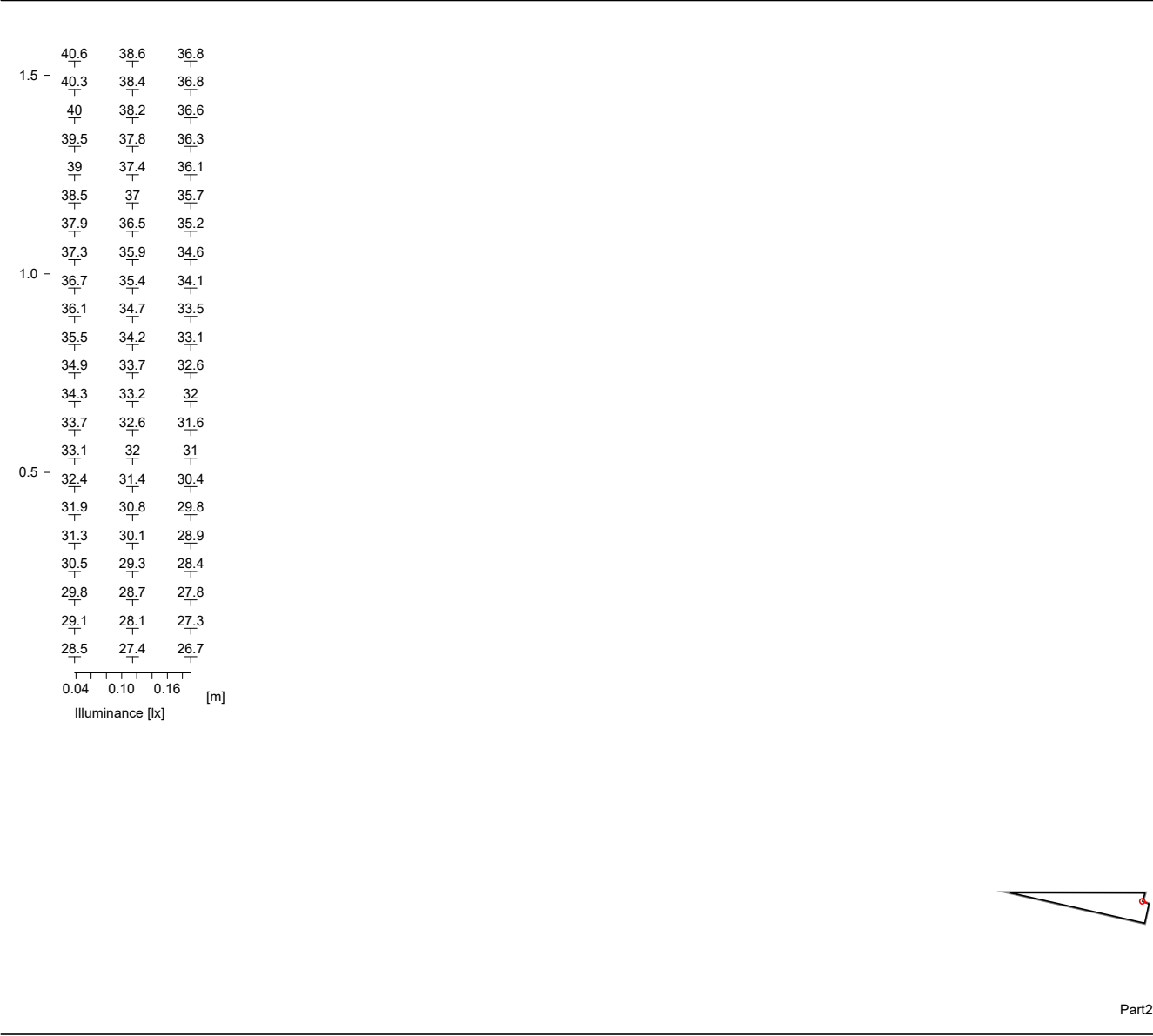
	9.8	9.5	(9.1)
	10.1	9.7	9.3
	10.5	10	9.6
	10.8	10.3	9.8
	11.2	10.7	10.1
	11.6	11.1	10.5
	11.9	11.4	10.9
3.5	12.3	11.7	11.3
	12.6	12.1	11.6
	13	12.5	11.9
	13.4	12.8	12.3
	13.8	13.2	12.6
	14.2	13.6	13
3.0	14.7	14	13.3
	15.1	14.4	13.7
	15.5	14.8	14.1
	16.1	15.2	14.5
	17	15.9	14.8
	18.6	16.7	15.6
	20.6	18.2	16.5
2.5	23.1	20.1	17.9
	26.1	22.5	19.7
	28.8	25	21.8
	31.1	27.4	24.2
	33.3	29.6	26.4
	35.2	31.5	28.4
	36.9	33.3	30.1
2.0	38.1	34.7	31.7
	39.2	35.9	33
	40	36.9	34
	40.4	37.7	35.1
	40.7	38.2	35.9
	[40.8]	38.5	36.4
	[40.8]	38.7	36.7



Part1

Average illuminance	Em	: 25.9 lx
Minimum illuminance	Emin	: 9.1 lx
Maximum illuminance	Emax	: 40.8 lx
Uniformity Uo	Emin/Em	: 1 : 2.85 (0.35)
Diversity Ud	Emin/Emax	: 1 : 4.48 (0.22)

3.3 Calculation results, Room 1(Copy of)
3.3.4 Table, Evaluation area 1, Measuring area 3 (Wall) (E)

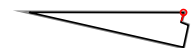


Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

3.3 Calculation results, Room 1(Copy of)

3.3.5 Table, Evaluation area 1, Measuring area 4 (Wall) (E)

	(8.8)	9.5	10.3	11
	9.1	9.9	10.8	11.6
	9.5	10.4	11.4	12.3
	9.9	10.9	12	12.9
	10.4	11.5	12.6	13.7
3.5	10.9	12.1	13.2	14.4
	11.4	12.6	13.9	15.1
	11.8	13.1	14.6	15.9
	12.2	13.7	15.3	16.7
	12.7	14.3	16	17.5
3.0	13.2	15	16.8	18.5
	13.7	15.8	17.8	19.7
	14.4	16.8	19.5	21.6
	15.8	18.6	22.3	26
	18.2	22.5	27.1	32.2
2.5	22.4	27.6	33.8	39.7
	27.8	33.8	40	46
	33.1	39.1	45	51.3
	38	43.5	49.5	55.3
	41.7	47.2	53	58.5
2.0	44.6	50	55.7	60.9
	46.9	52	57.1	61.7
	48.5	53	57.5	61.7
	49.1	53.3	57.3	61.6
	49.4	53.1	57.1	60.7
1.5	49.1	52.7	56.4	59.6
	48.7	52.1	55.3	58.4
	48	50.9	54.1	56.9
	47.2	49.8	52.7	55.4
	45.9	48.5	51.1	54.1
1.0	44.6	47.1	49.9	52.5
	43.4	45.9	48.4	50.8
	42.5	44.7	47	49.2
	41.4	43.4	45.8	47.7



Part1

Average illuminance	Em	: 34.7 lx
Minimum illuminance	Emin	: 8.8 lx
Maximum illuminance	Emax	: 61.7 lx
Uniformity Uo	Emin/Em	: 1 : 3.94 (0.25)
Diversity Ud	Emin/Emax	: 1 : 7.01 (0.14)

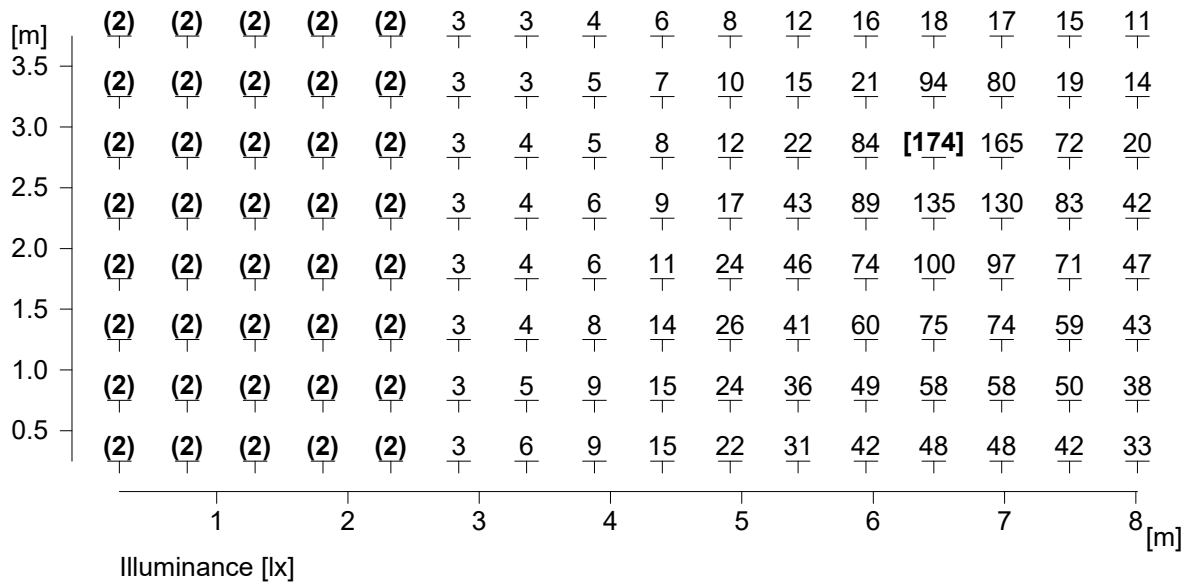
3.3 Calculation results, Room 1(Copy of)
3.3.5 Table, Evaluation area 1, Measuring area 4 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

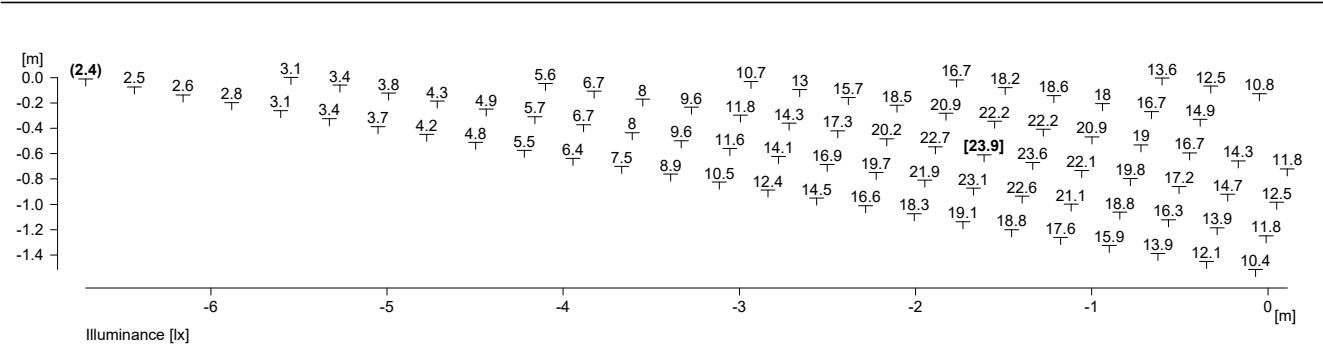
3.3 Calculation results, Room 1(Copy of)

3.3.6 Table, Evaluation area 1, Measuring area 5 (Wall) (E)



Average illuminance	Em	: 24 lx
Minimum illuminance	Emin	: 2 lx
Maximum illuminance	Emax	: 174 lx
Uniformity Uo	Emin/Em	: 1 : 15.26 (0.07)
Diversity Ud	Emin/Emax	: 1 : 108.49 (0.01)

3.3 Calculation results, Room 1(Copy of)
3.3.7 Table, Evaluation area 1, Measuring area 6 (Ceiling) (E)



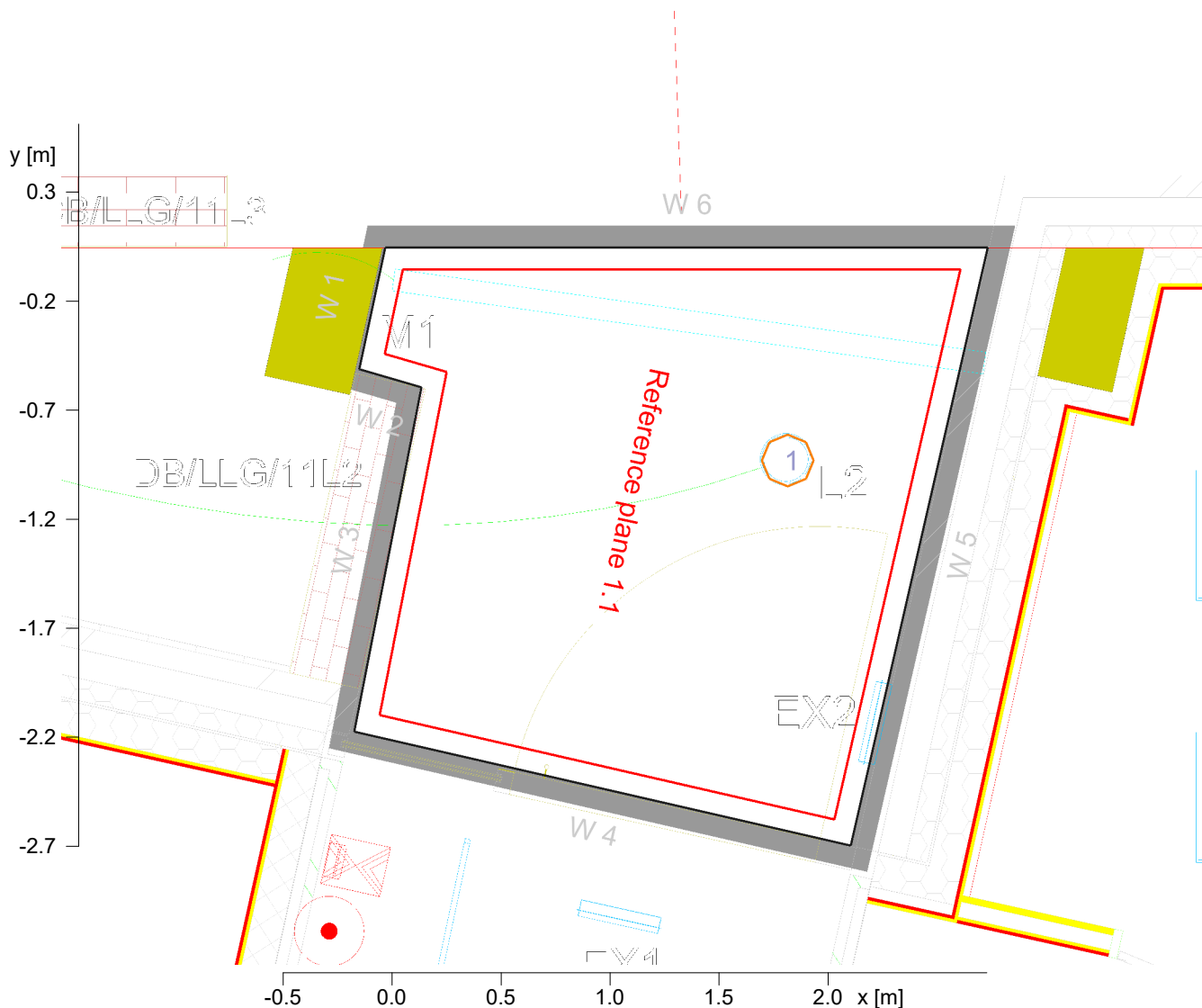
Average illuminance	Em	: 13.2 lx
Minimum illuminance	Emin	: 2.4 lx
Maximum illuminance	Emax	: 23.9 lx
Uniformity Uo	Emin/Em	: 1 : 5.61 (0.18)
Diversity Ud	Emin/Emax	: 1 : 10.16 (0.10)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

4 Room 1(Copy of1)

4.1 Description, Room 1(Copy of1)

4.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	27.63 m	29.11 m	0.57 m	50.0 %
2	27.91 m	29.03 m	0.30 m	50.0 %
3	27.61 m	27.45 m	1.61 m	50.0 %
4	29.88 m	26.93 m	2.34 m	50.0 %
5	30.51 m	29.67 m	2.81 m	50.0 %
6	27.75 m	29.67 m	2.76 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		4.20 m		
Height of ref. plane		0.00 m		

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Object :
Installation :
Project number : 5448
Date : 29.09.2022

4 Room 1(Copy of1)

4.2 Summary, Room 1(Copy of1)

4.2.1 Result overview, Evaluation area 1

M 1.4 (Wall)	65.8 lx	0.16
M 1.5 (Wall)	52.7 lx	0.22

Type No.\Make

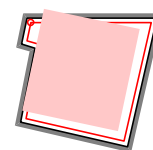
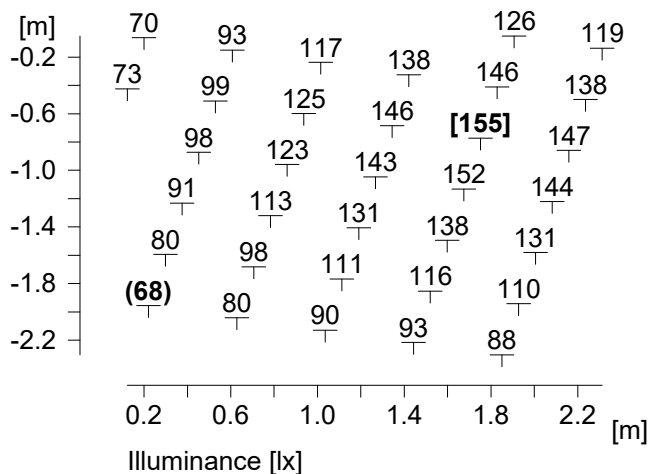
3	1 x	Apollo Lighting Ltd
		Order No. : NELED1002040
		Luminaire name : Nebula LED 100 25.1W 2050lm 4000K
		Equipment : 1 x LED 25.1 W / 2050 lm

Object :
Installation :
Project number : 5448
Date : 29.09.2022

4 Room 1(Copy of1)

4.3 Calculation results, Room 1(Copy of1)

4.3.1 Table, Reference plane 1.1 (E)



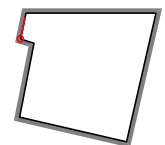
Height reference plane	:	0.00 m
Average illuminance	Em	: 114 lx
Minimum illuminance	Emin	: 68 lx
Maximum illuminance	Emax	: 155 lx
Uniformity Uo	Emin/Em	: 1 : 1.69 (0.59)
Diversity Ud	Emin/Emax	: 1 : 2.29 (0.44)

Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

4.3 Calculation results, Room 1(Copy of1)

4.3.2 Table, Evaluation area 1, Measuring area 1 (Wall) (E)

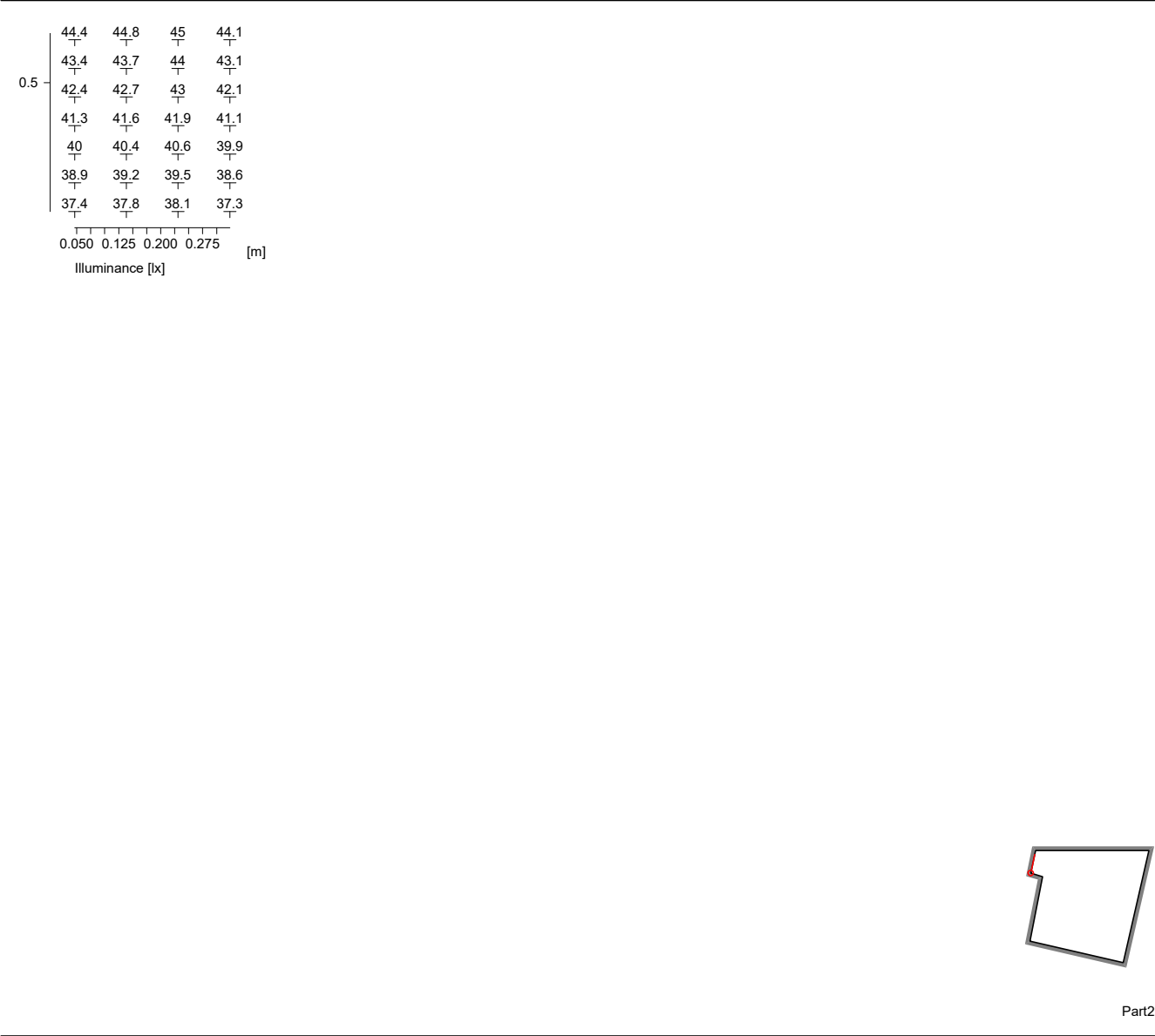
	(12.7)	12.9	13.2	(12.7)
	13.2	13.5	13.7	13.1
	13.7	14	14.2	13.7
	14.1	14.4	14.6	14.1
	14.6	14.8	15.1	14.5
3.5	15.1	15.3	15.5	14.9
	15.5	15.8	16	15.4
	15.9	16.2	16.4	15.8
	16.5	16.7	16.9	16.2
3.0	17	17.2	17.4	16.6
	17.4	17.7	17.9	17
	17.8	18.1	18.3	17.4
	18.4	18.6	18.8	17.9
	19	19.1	19.3	18.3
2.5	19.6	19.7	19.9	18.7
	20.6	20.7	20.8	19.6
	23.1	23.1	23	21.7
	26.6	26.4	26.2	24.6
	31.1	30.9	30.5	28.2
2.0	35.1	34.9	34.4	32.4
	38.9	38.5	38	35.9
	42	41.5	41.1	39
	44.5	44	43.7	41.7
	46.3	46	45.7	43.9
1.5	48	47.7	47.3	45.5
	49	48.6	48.5	46.6
	[49.2]	49	48.9	47.2
	49.1	49	49	47.6
	48.5	48.7	48.8	47.6
1.0	48.4	48.4	48.5	47.2
	47.7	47.7	47.9	46.8
	46.9	46.9	47.1	46.1
	45.4	45.8	46.1	45.3



Part1

Average illuminance	Em	: 31.5 lx
Minimum illuminance	Emin	: 12.7 lx
Maximum illuminance	Emax	: 49.2 lx
Uniformity Uo	Emin/Em	: 1 : 2.48 (0.40)
Diversity Ud	Emin/Emax	: 1 : 3.88 (0.26)

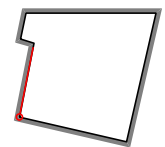
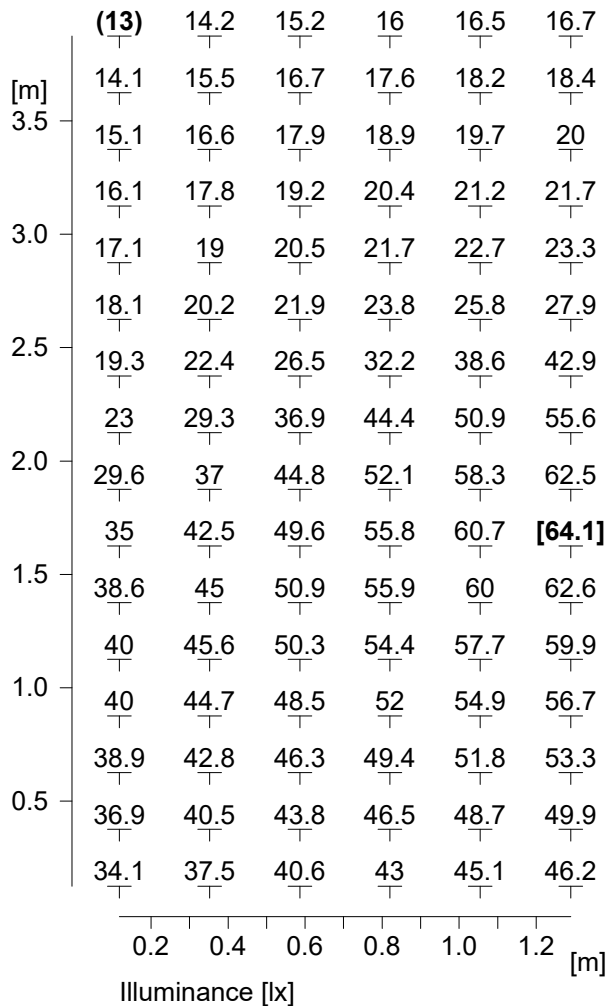
4.3 Calculation results, Room 1(Copy of1)
4.3.2 Table, Evaluation area 1, Measuring area 1 (Wall) (E)



Object :
 Installation :
 Project number : 5448
 Date : 29.09.2022

4.3 Calculation results, Room 1(Copy of1)

4.3.3 Table, Evaluation area 1, Measuring area 2 (Wall) (E)

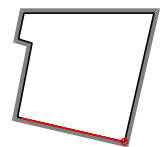
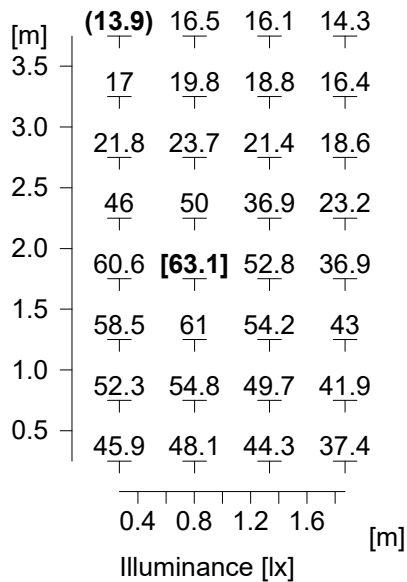


Average illuminance	Em	: 35.5 lx
Minimum illuminance	Emin	: 13 lx
Maximum illuminance	Emax	: 64.1 lx
Uniformity Uo	Emin/Em	: 1 : 2.74 (0.37)
Diversity Ud	Emin/Emax	: 1 : 4.94 (0.20)

Object :
Installation :
Project number : 5448
Date : 29.09.2022

4.3 Calculation results, Room 1(Copy of1)

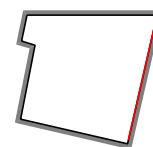
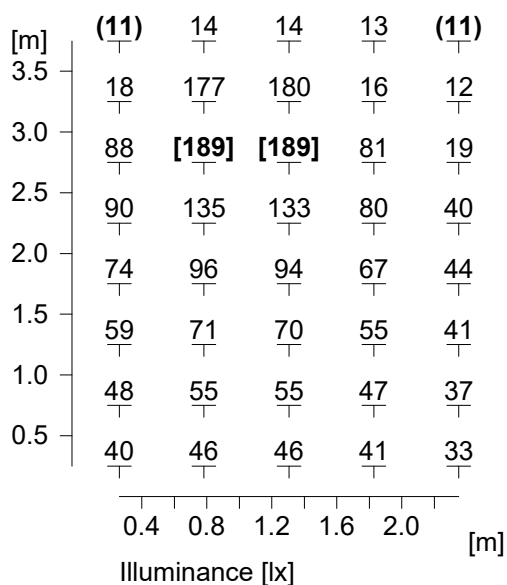
4.3.4 Table, Evaluation area 1, Measuring area 3 (Wall) (E)



Average illuminance	Em	: 36.8 lx
Minimum illuminance	Emin	: 13.9 lx
Maximum illuminance	Emax	: 63.1 lx
Uniformity Uo	Emin/Em	: 1 : 2.64 (0.38)
Diversity Ud	Emin/Emax	: 1 : 4.52 (0.22)

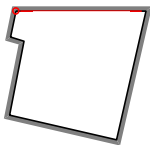
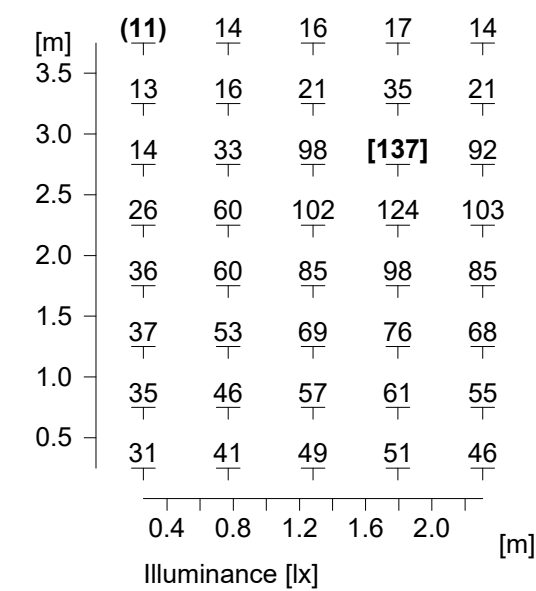
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4.3.5 Table, Evaluation area 1, Measuring area 4 (Wall) (E)



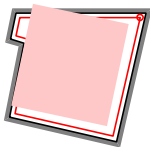
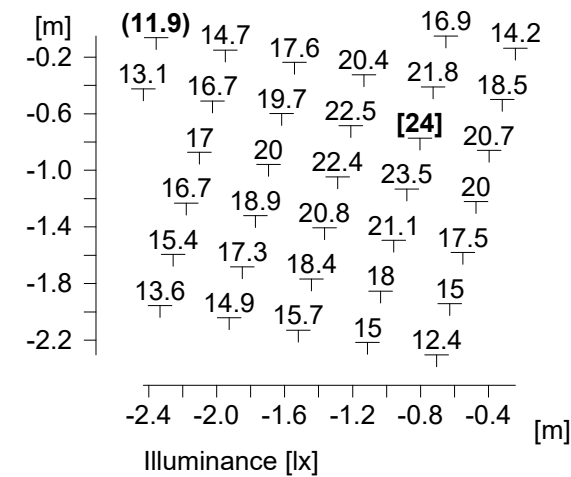
Average illuminance	Em	: 66 lx
Minimum illuminance	Emin	: 11 lx
Maximum illuminance	Emax	: 189 lx
Uniformity Uo	Emin/Em	: 1 : 6.11 (0.16)
Diversity Ud	Emin/Emax	: 1 : 17.59 (0.06)

4.3 Calculation results, Room 1(Copy of1)
4.3.6 Table, Evaluation area 1, Measuring area 5 (Wall) (E)



Average illuminance	Em	: 53 lx
Minimum illuminance	Emin	: 11 lx
Maximum illuminance	Emax	: 137 lx
Uniformity Uo	Emin/Em	: 1 : 4.60 (0.22)
Diversity Ud	Emin/Emax	: 1 : 11.93 (0.08)

4.3 Calculation results, Room 1(Copy of1)
4.3.7 Table, Evaluation area 1, Measuring area 6 (Ceiling) (E)



Average illuminance	Em	: 17.8 lx
Minimum illuminance	Emin	: 11.9 lx
Maximum illuminance	Emax	: 24 lx
Uniformity Uo	Emin/Em	: 1 : 1.50 (0.67)
Diversity Ud	Emin/Emax	: 1 : 2.02 (0.49)