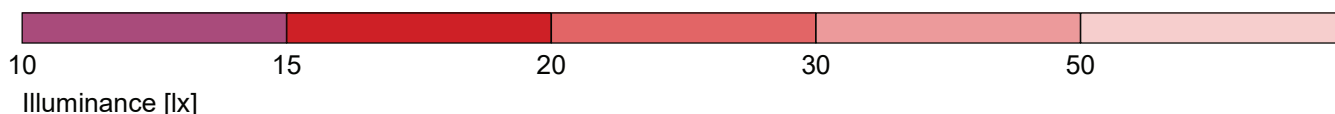


3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.25 Result overview, Perimeter Path 3 5lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	34 lx
Minimum illuminance	E_{min}	15 lx
Maximum illuminance	E_{max}	66 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.29 (0.44)
Diversity U_d	E_{min}/E_{max}	1:4.53 (0.22)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

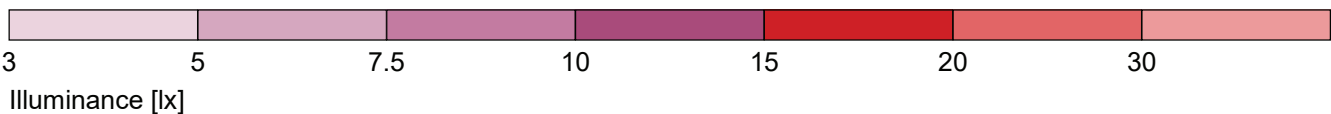
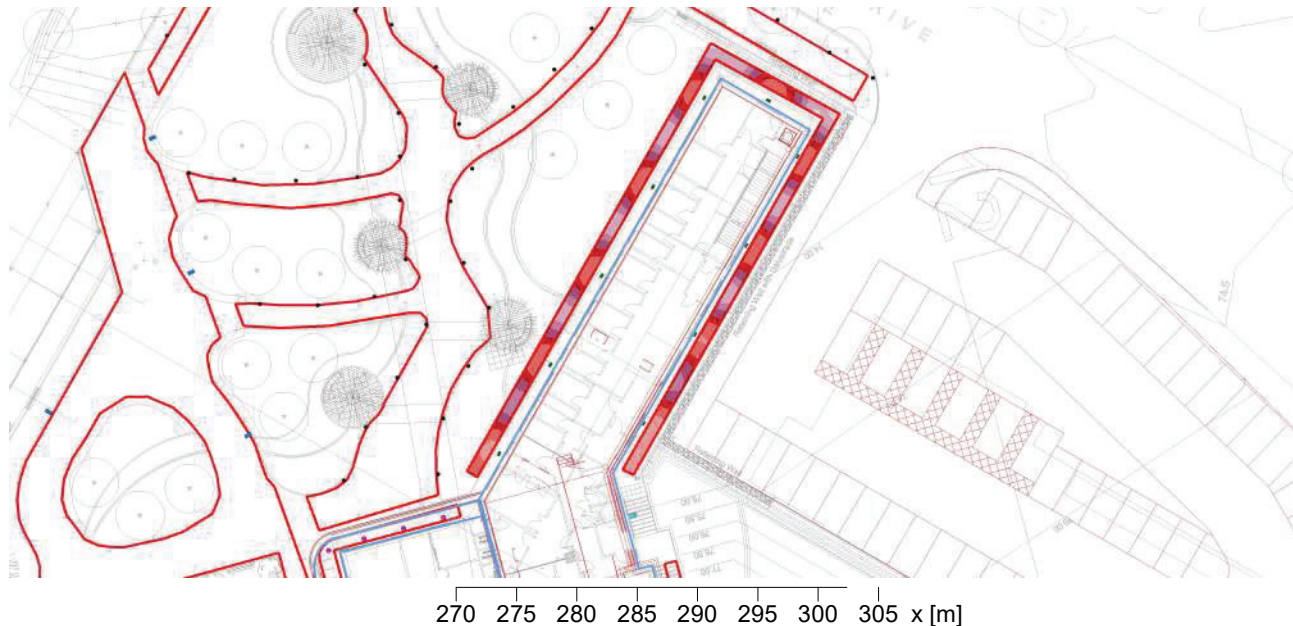
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.25 Result overview, Perimeter Path 3 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.26 Result overview, Perimeter Path 4 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	5 lx
Maximum illuminance	E_{max}	41 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.35 (0.3)
Diversity U_d	E_{min}/E_{max}	1:8.56 (0.12)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

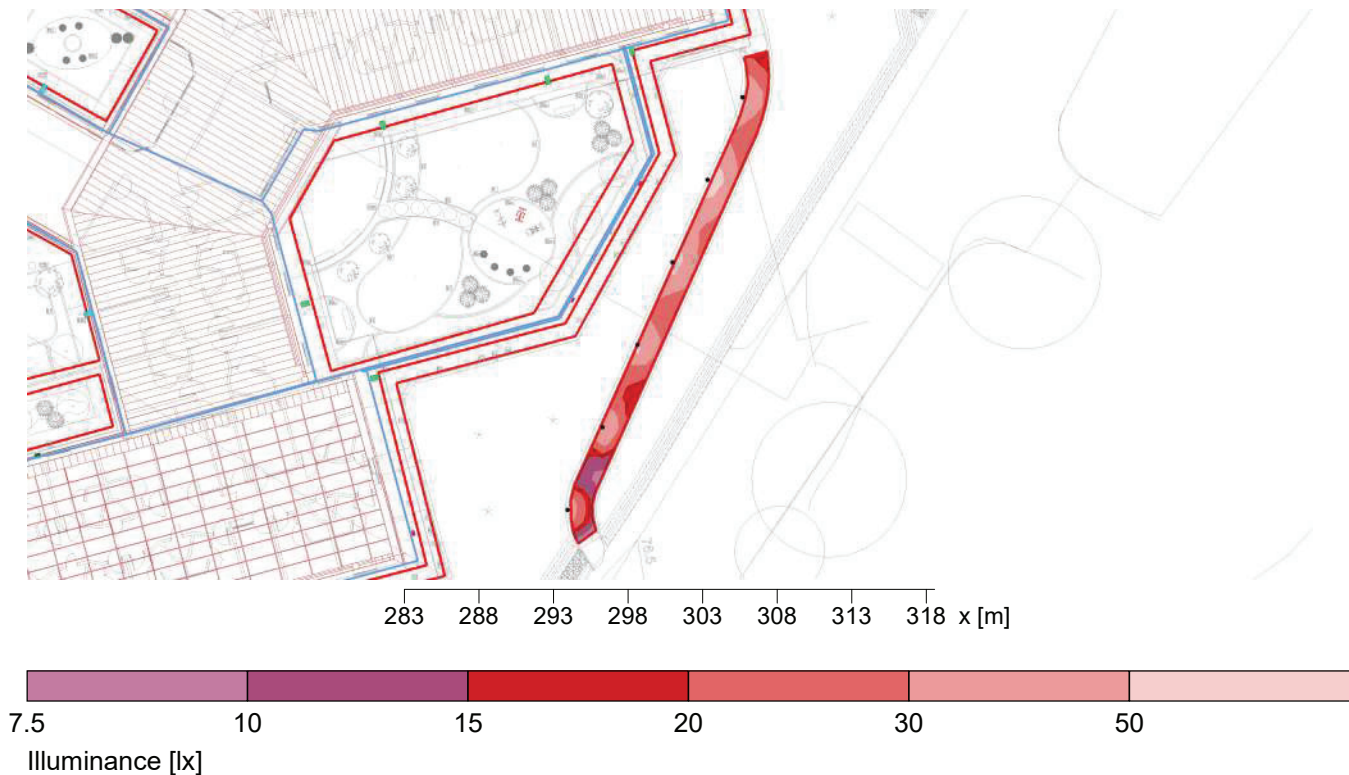
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.26 Result overview, Perimeter Path 4 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.27 Result overview, Secondary Walkway 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	29 lx
Minimum illuminance	E_{min}	9 lx
Maximum illuminance	E_{max}	66 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.25 (0.31)
Diversity U_d	E_{min}/E_{max}	1:7.35 (0.14)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

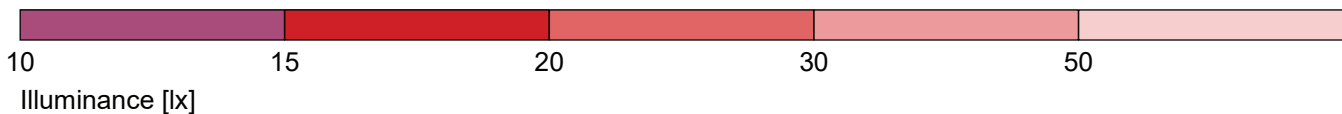
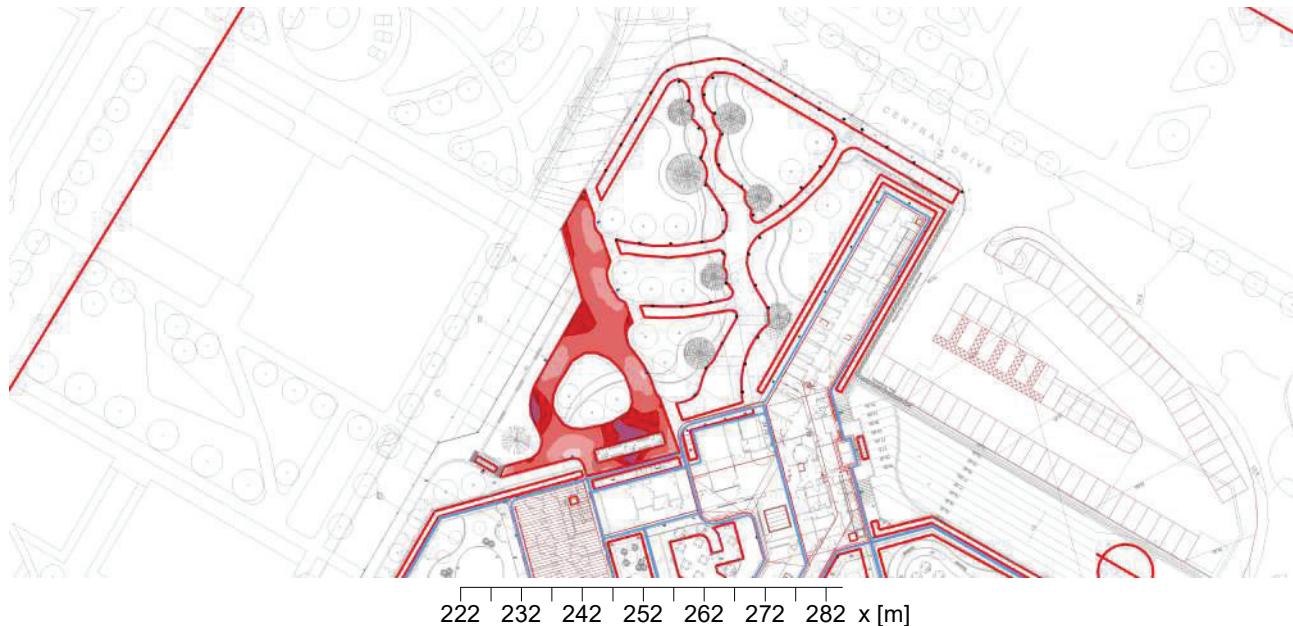
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.27 Result overview, Secondary Walkway 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.28 Result overview, Roadway 10lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	27 lx
Minimum illuminance	E_{min}	13 lx
Maximum illuminance	E_{max}	58 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.05 (0.49)
Diversity U_d	E_{min}/E_{max}	1:4.5 (0.22)

Type No. Make

		Whitecroft Lighting
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

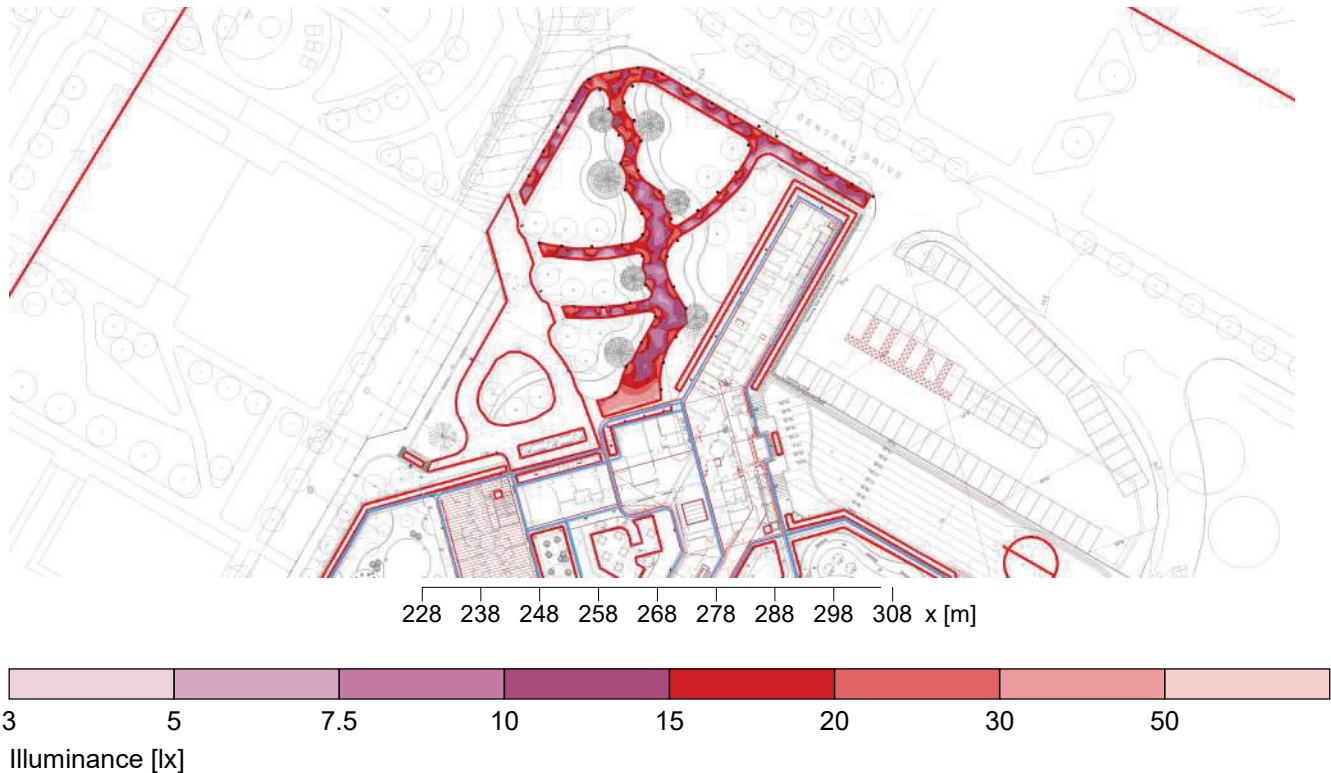
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.28 Result overview, Roadway 10lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.29 Result overview, Pedestrian Walkways 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	4 lx
Maximum illuminance	E_{max}	54 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.82 (0.26)
Diversity U_d	E_{min}/E_{max}	1:12.6 (0.08)

Type No. \ Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

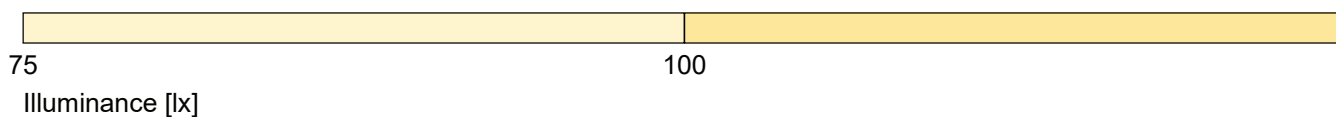
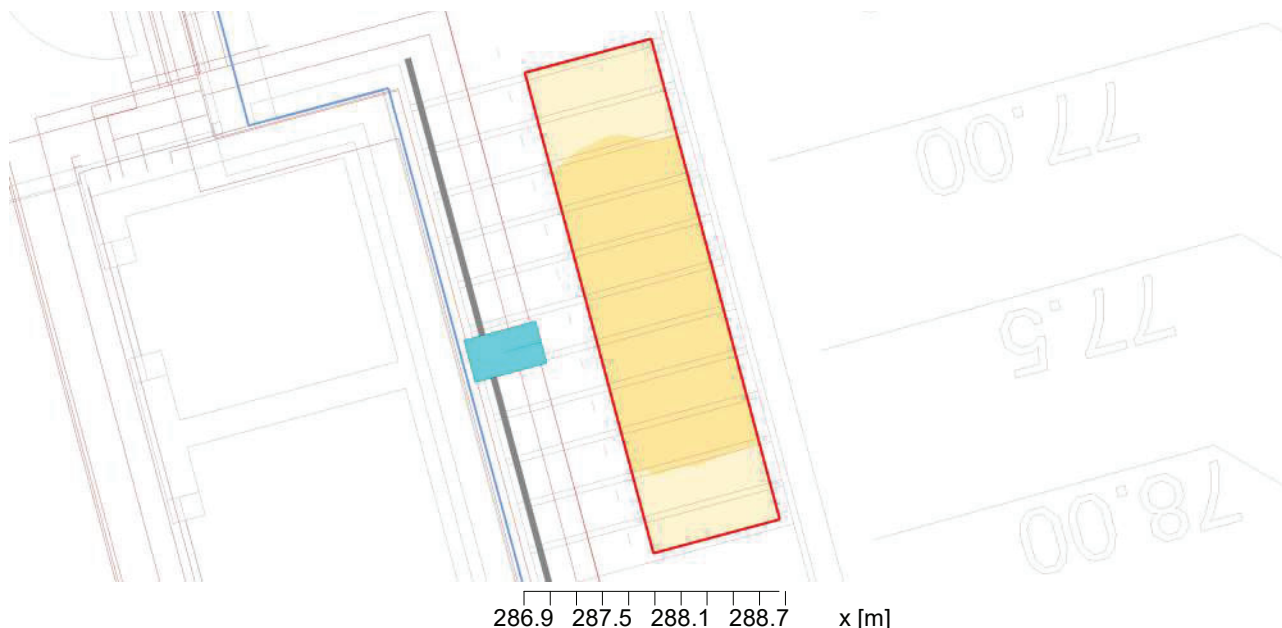
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.29 Result overview, Pedestrian Walkways 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.30 Result overview, Steps 1 100lx 0.4Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m²)	0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	101 lx
Minimum illuminance	E_{min}	98 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.04 (0.96)
Diversity U_d	E_{min}/E_{max}	1:1.08 (0.93)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

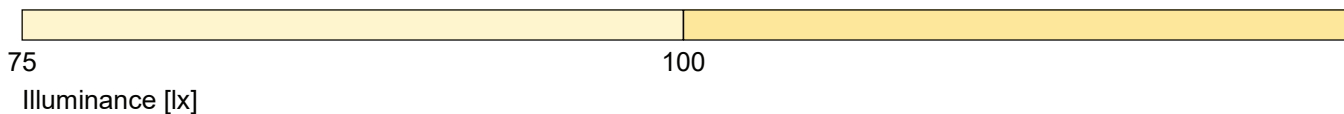
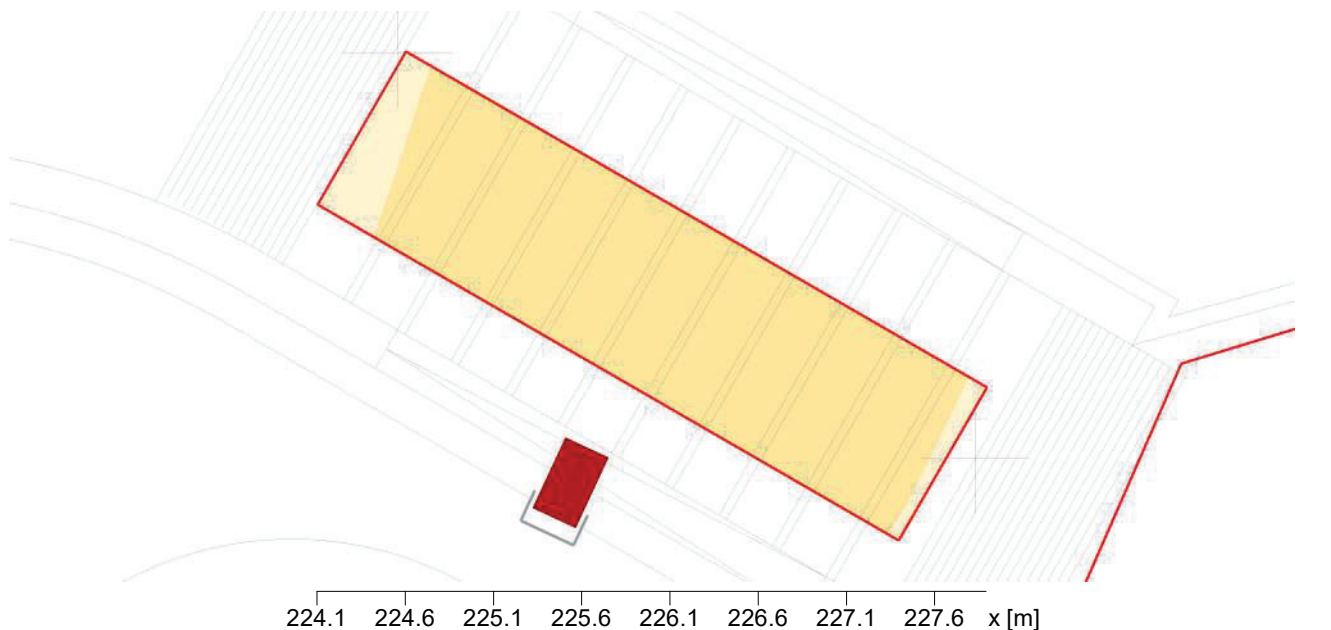
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.30 Result overview, Steps 1 100lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.31 Result overview, Steps 2 100lx 0.4Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	124 lx
Minimum illuminance	E_{min}	97 lx
Maximum illuminance	E_{max}	141 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.27 (0.79)
Diversity U_d	E_{min}/E_{max}	1:1.45 (0.69)

Type No.\Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

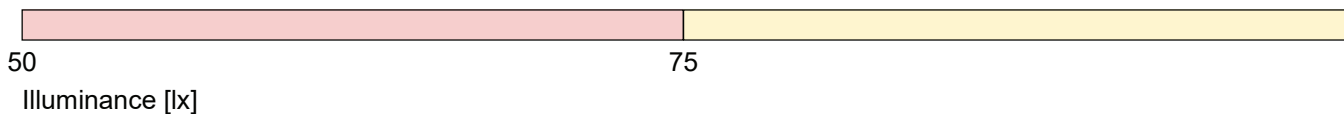
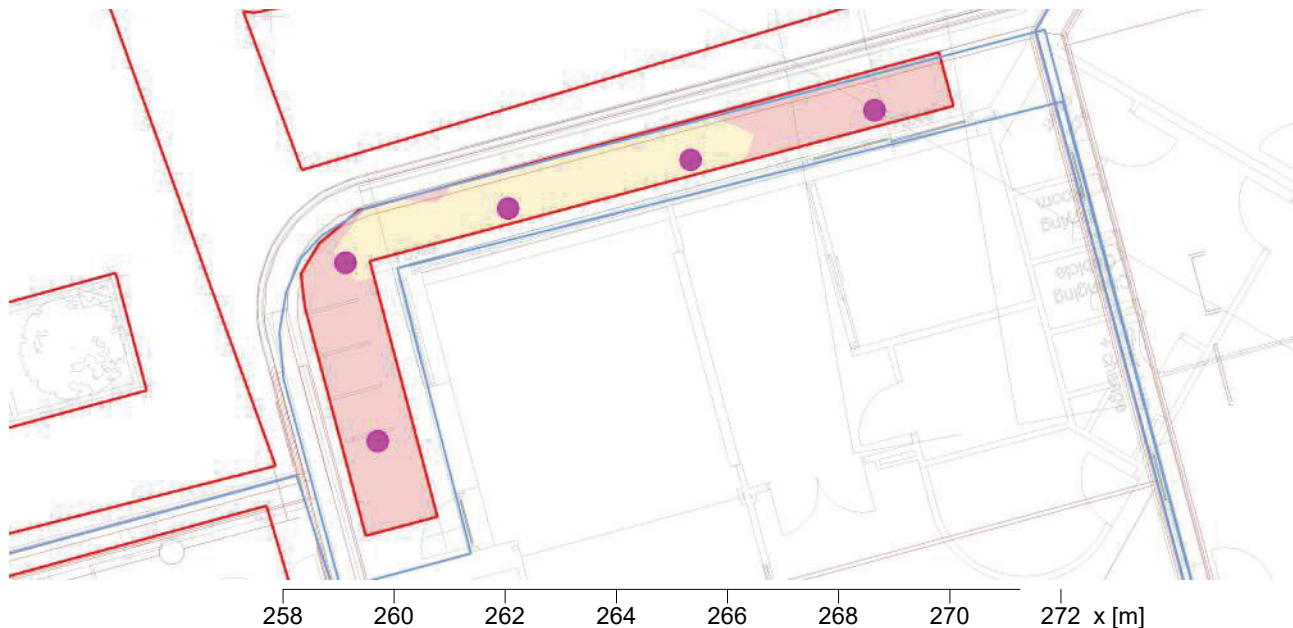
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.31 Result overview, Steps 2 100lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.32 Result overview, Entrance Canopy 75lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	71 lx
Minimum illuminance	E_{min}	54 lx
Maximum illuminance	E_{max}	81 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.31 (0.76)
Diversity U_d	E_{min}/E_{max}	1:1.49 (0.67)

Type No. Make

		Whitecroft Lighting
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

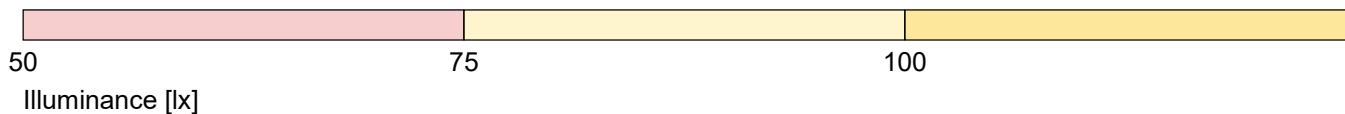
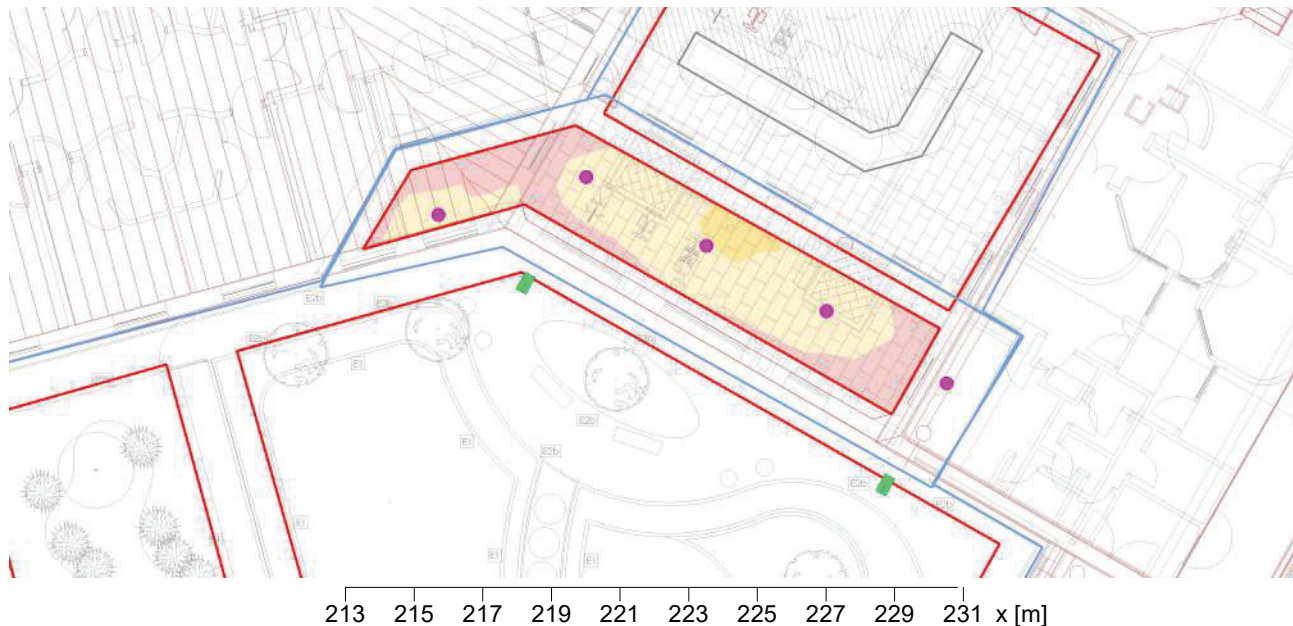
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.32 Result overview, Entrance Canopy 75lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.33 Result overview, Service User Garden Overhang 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	83 lx
Minimum illuminance	E_{min}	59 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.4 (0.71)
Diversity U_d	E_{min}/E_{max}	1:1.77 (0.56)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

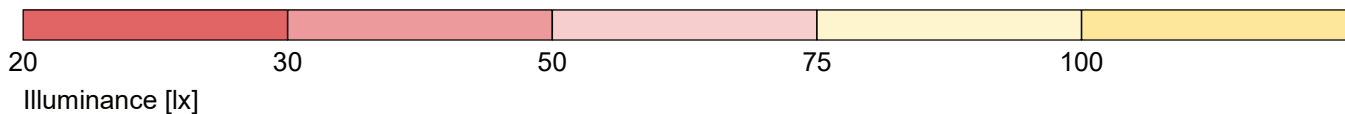
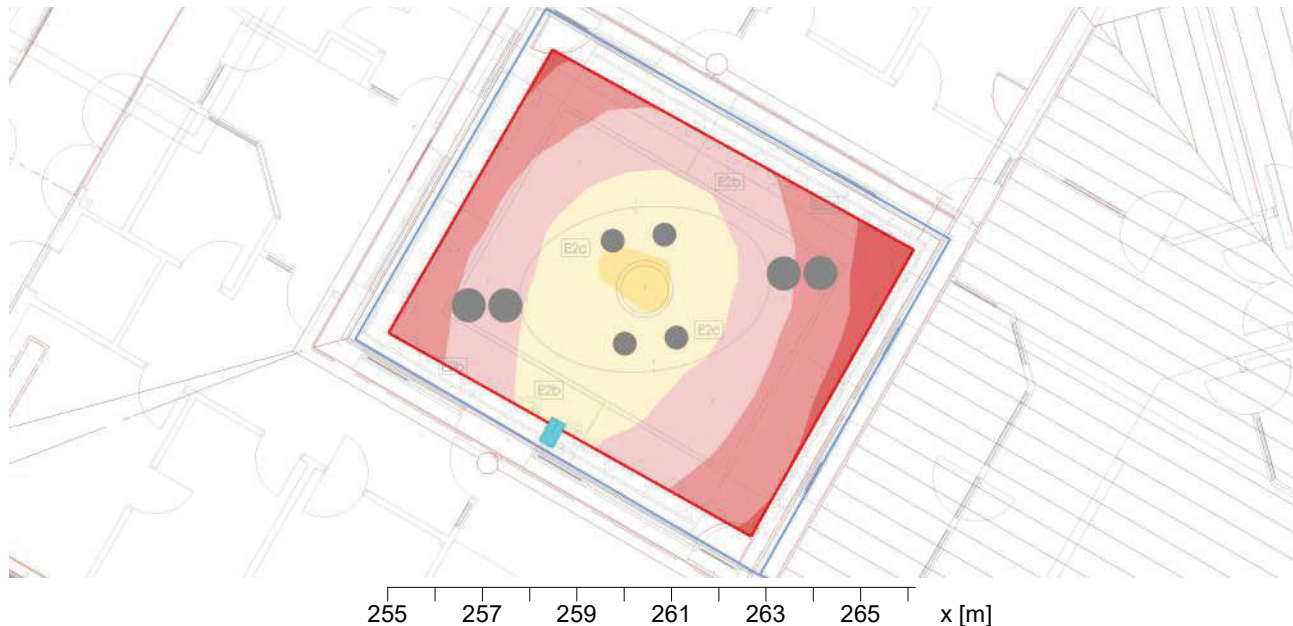
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.33 Result overview, Service User Garden Overhang 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.34 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	64 lx
Minimum illuminance	E_{min}	29 lx
Maximum illuminance	E_{max}	107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.22 (0.45)
Diversity U_d	E_{min}/E_{max}	1:3.67 (0.27)

Type No. Make

		Whitecroft Lighting
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

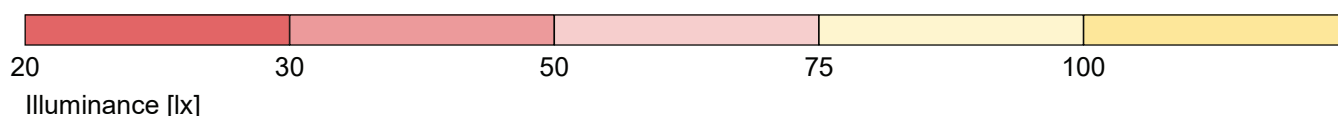
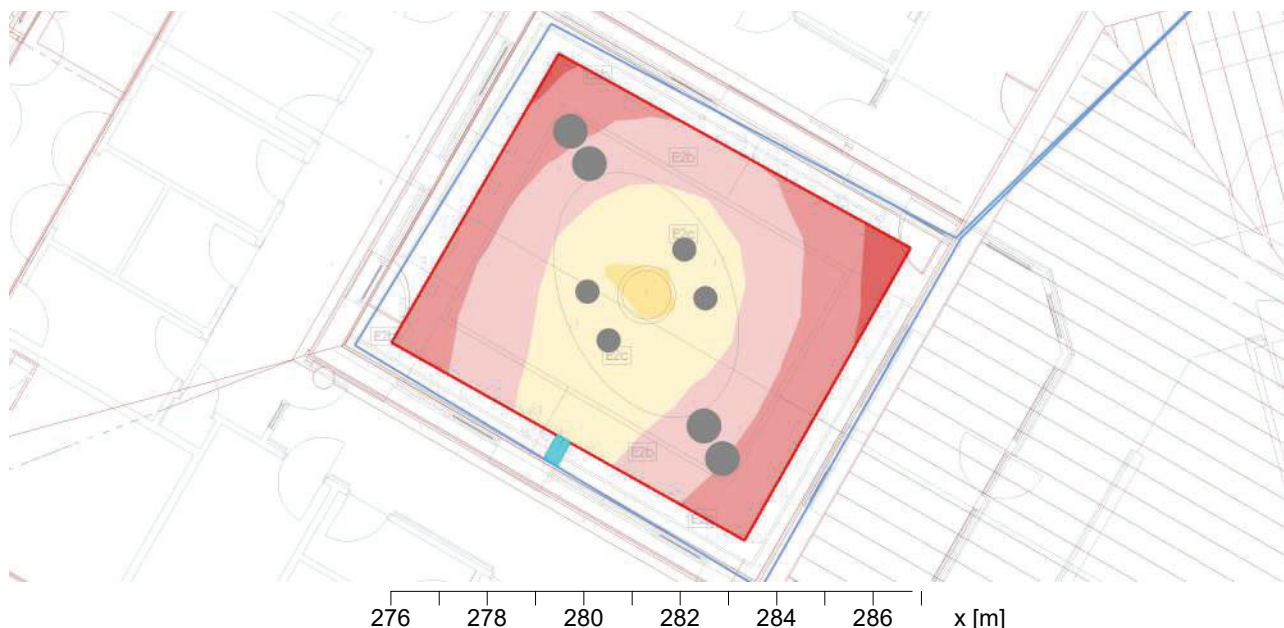
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.34 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.35 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	65 lx
Minimum illuminance	E_{min}	28 lx
Maximum illuminance	E_{max}	107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.29 (0.44)
Diversity U_d	E_{min}/E_{max}	1:3.77 (0.27)

Type No.Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

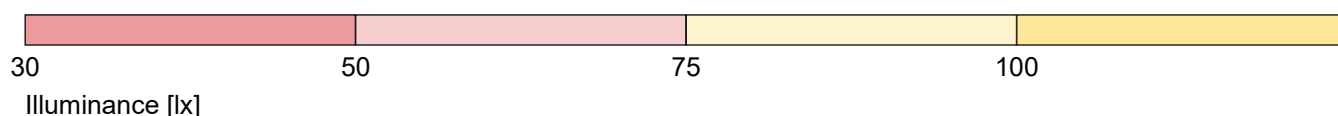
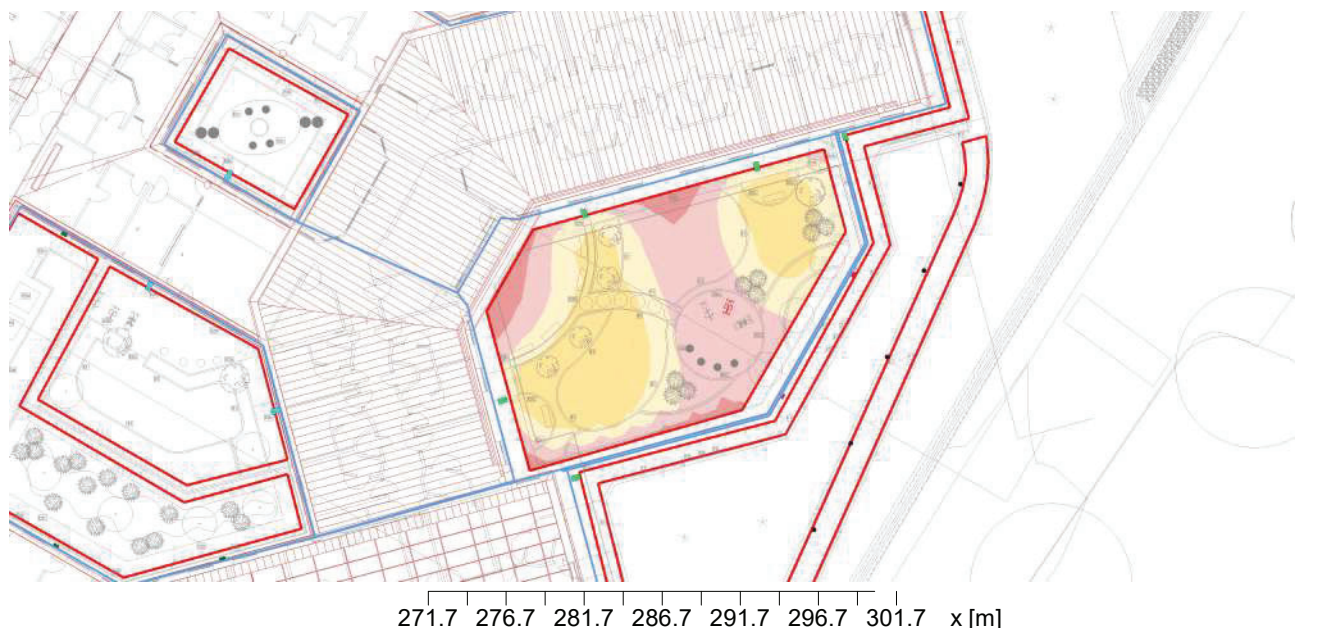
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.35 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.36 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	86 lx
Minimum illuminance	E_{min}	36 lx
Maximum illuminance	E_{max}	136 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.4 (0.42)
Diversity U_d	E_{min}/E_{max}	1:3.81 (0.26)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

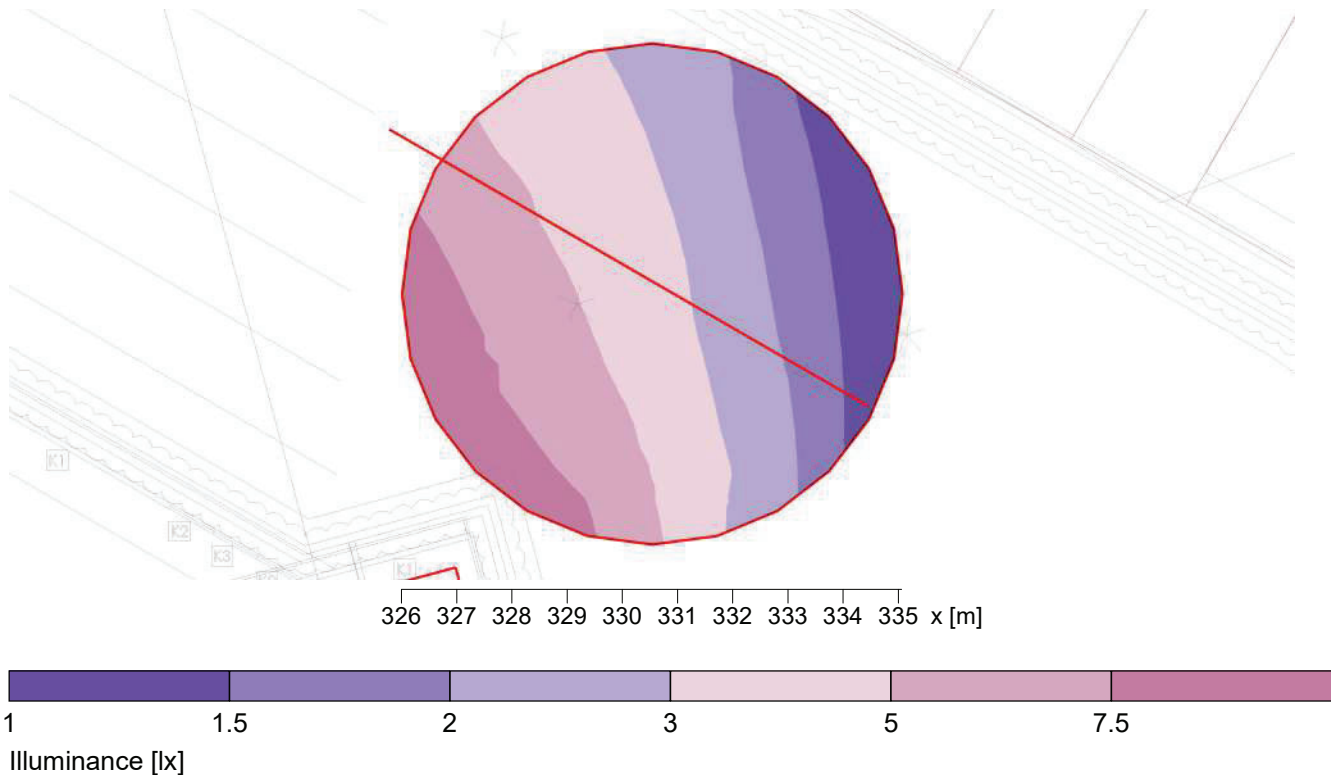
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.36 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.37 Result overview, BAT BOX AREA (1)



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	4 lx
Minimum illuminance	E_{min}	1 lx
Maximum illuminance	E_{max}	10 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.53 (0.28)
Diversity U_d	E_{min}/E_{max}	1:8.61 (0.12)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

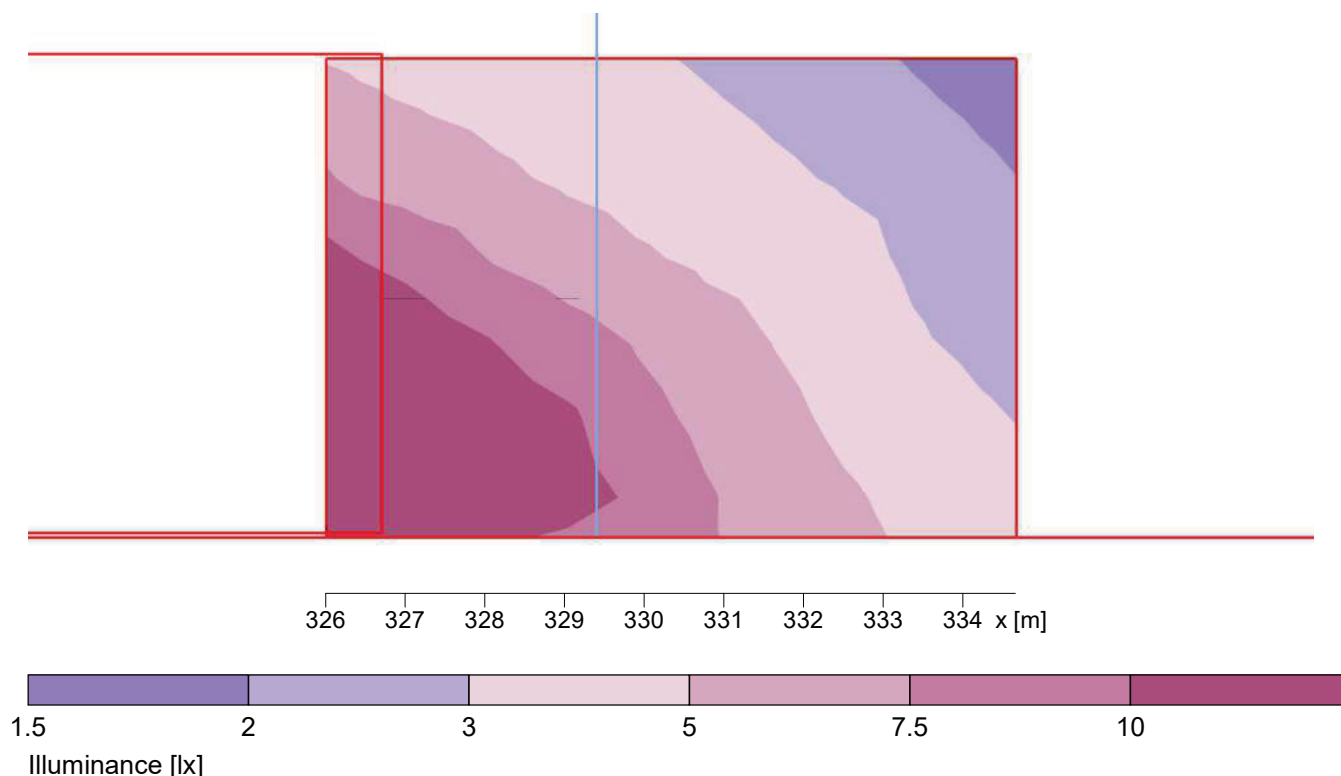
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.37 Result overview, BAT BOX AREA (1)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.38 Result overview, BAT BOX AREA (1) VERTICAL



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	6 lx
Minimum illuminance	E_{min}	2 lx
Maximum illuminance	E_{max}	14 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.33 (0.3)
Diversity U_d	E_{min}/E_{max}	1:7.57 (0.13)

Type No.Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

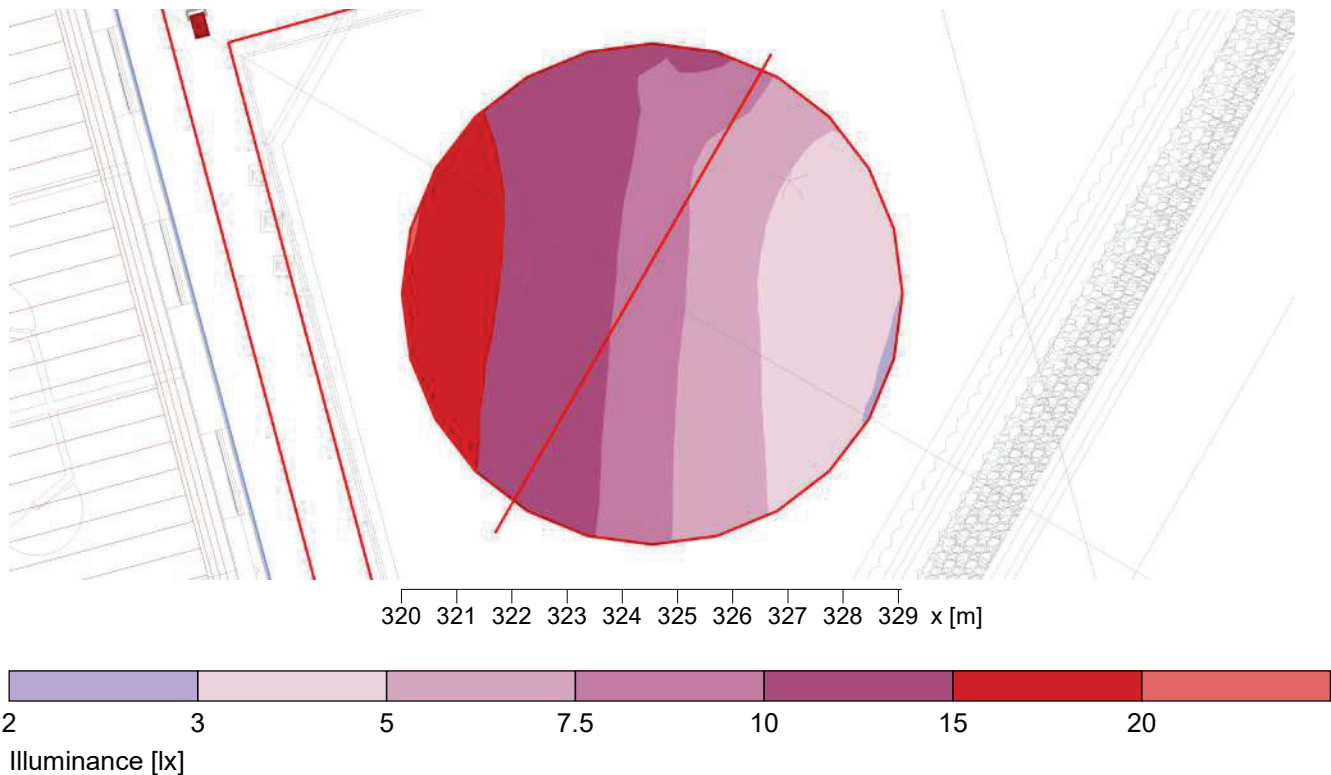
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.38 Result overview, BAT BOX AREA (1) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.39 Result overview, BAT BOX AREA (2)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	9 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	20 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.19 (0.31)
Diversity U_d	E_{min}/E_{max}	1:6.89 (0.15)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

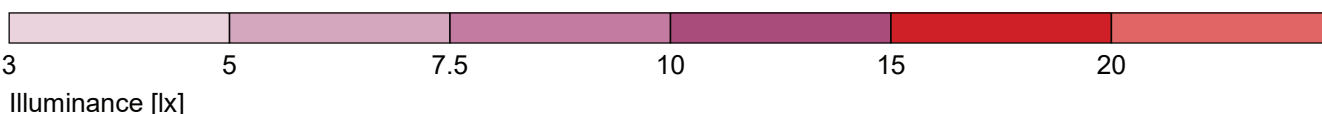
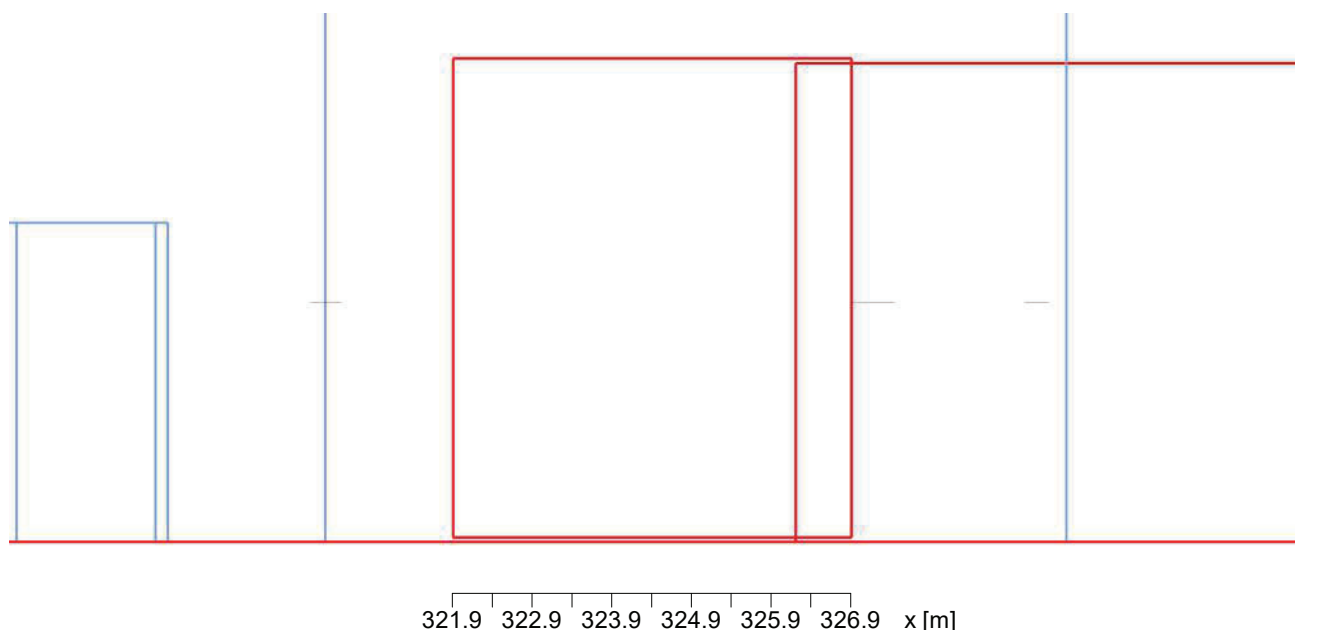
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.39 Result overview, BAT BOX AREA (2)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.40 Result overview, BAT BOX AREA (2) VERTICAL



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	970418.2 lm
Total power	9181 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	13 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	28 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.09 (0.24)
Diversity U_d	E_{min}/E_{max}	1:8.49 (0.12)

Type No.\Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

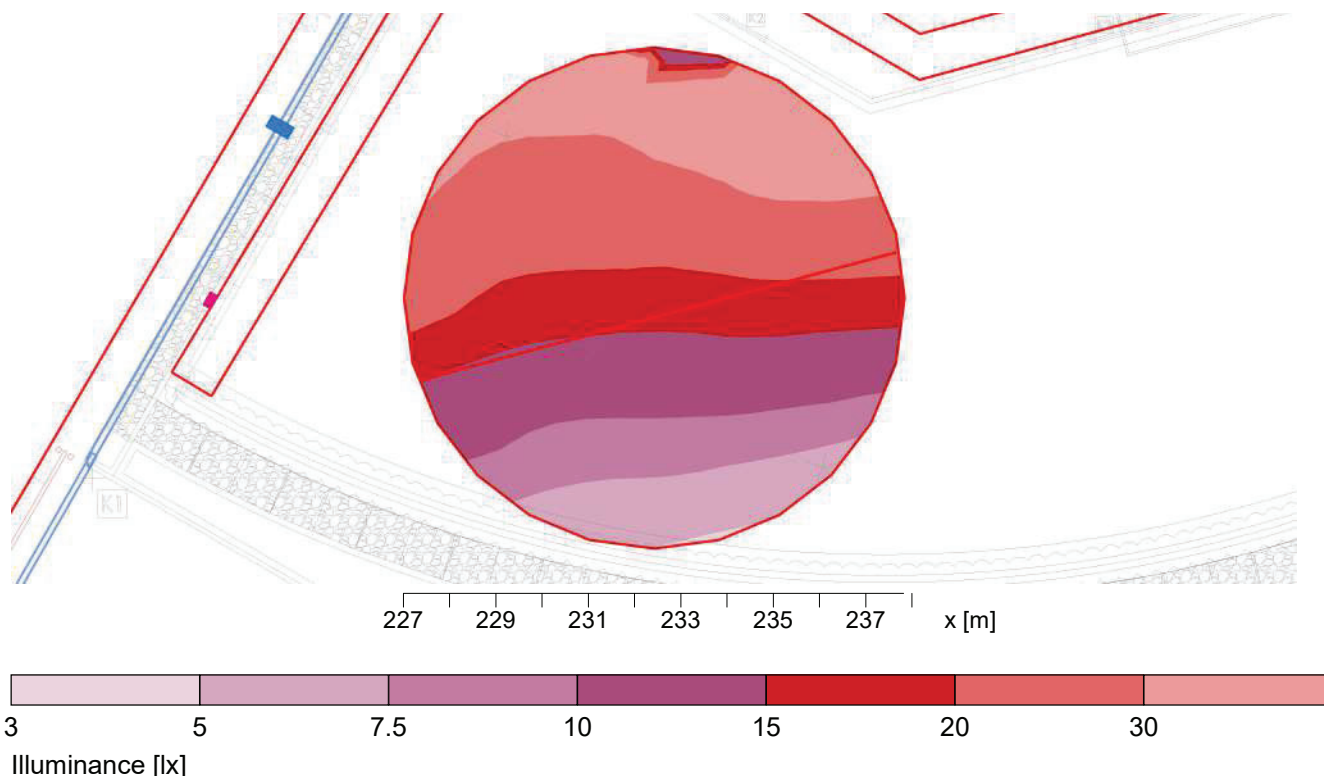
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.40 Result overview, BAT BOX AREA (2) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.41 Result overview, BAT BOX AREA (3)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	20 lx
Minimum illuminance	E_{min}	5 lx
Maximum illuminance	E_{max}	45 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4 (0.25)
Diversity U_d	E_{min}/E_{max}	1:9.26 (0.11)

Type No.\Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

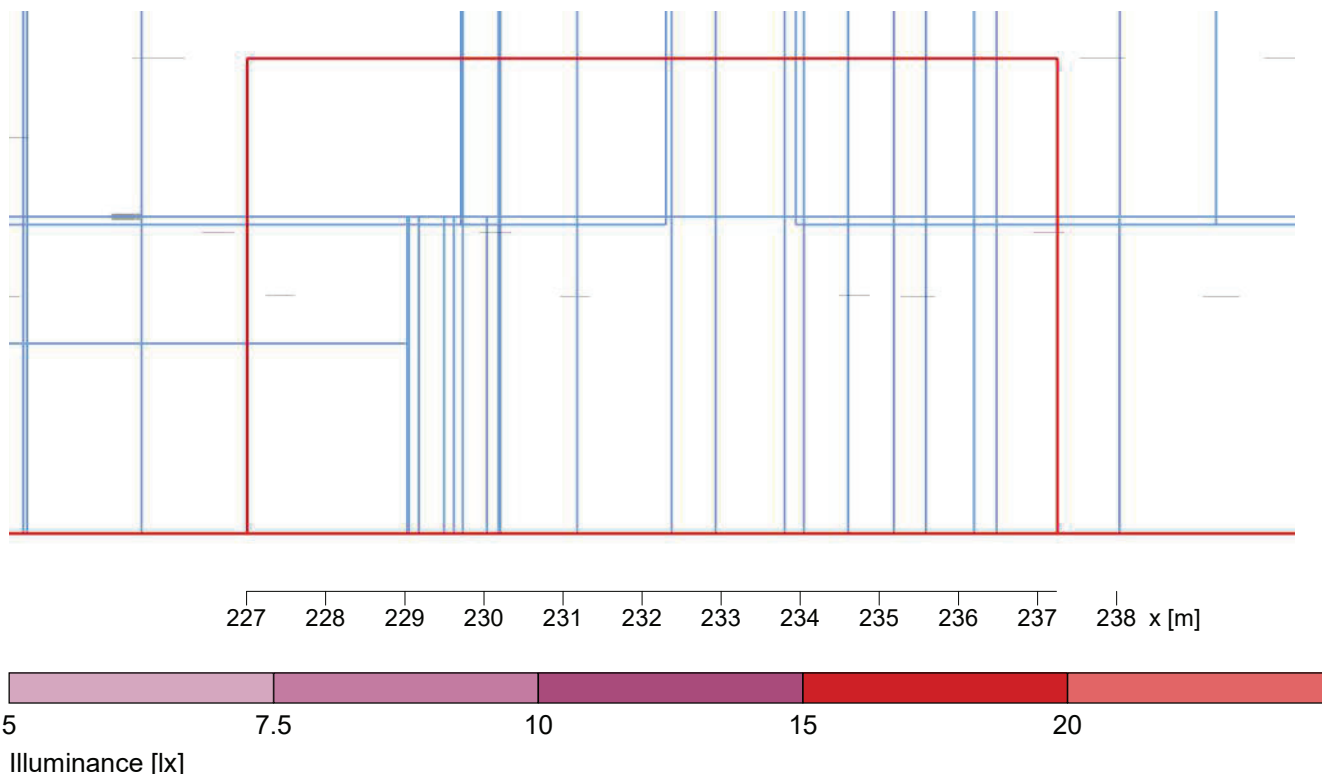
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.41 Result overview, BAT BOX AREA (3)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.42 Result overview, BAT BOX AREA (3) VERTICAL



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	15 lx
Minimum illuminance	E_{min}	7 lx
Maximum illuminance	E_{max}	24 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.14 (0.47)
Diversity U_d	E_{min}/E_{max}	1:3.45 (0.29)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

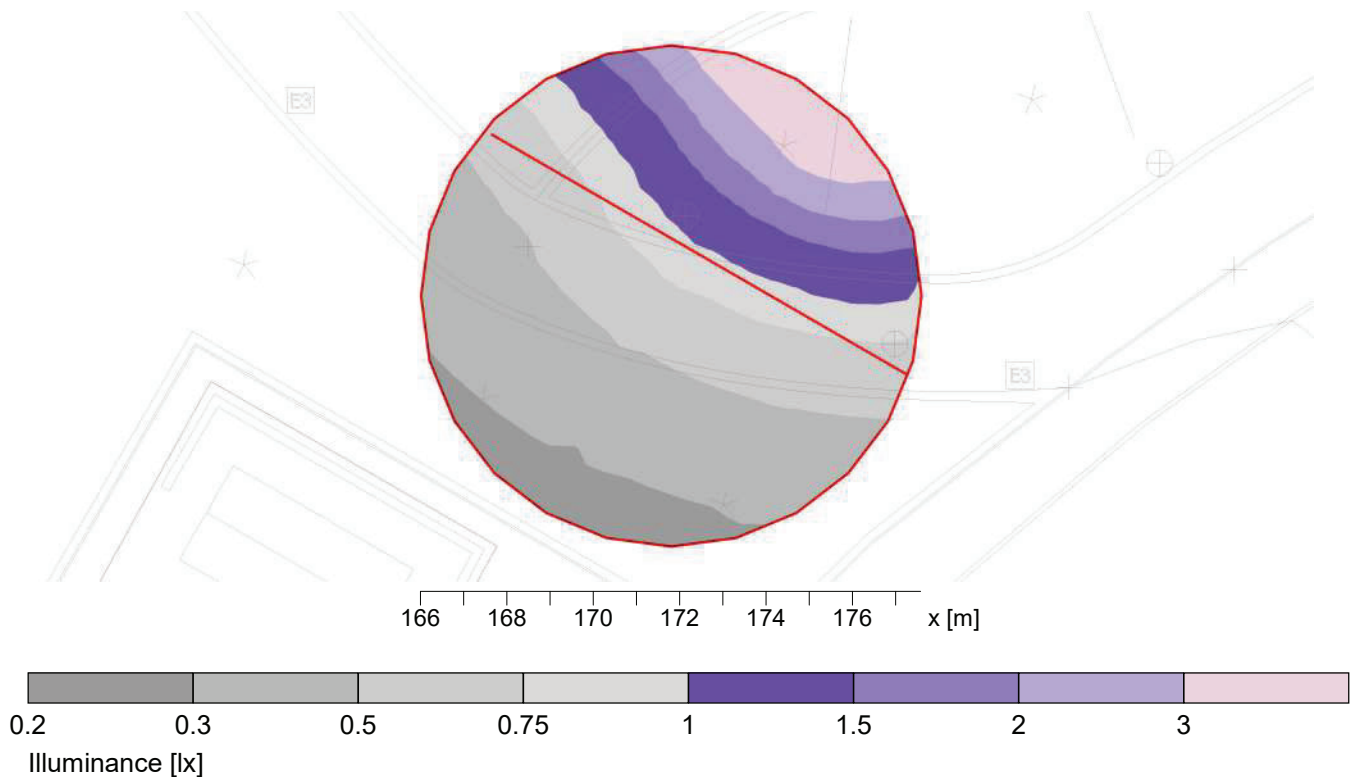
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.42 Result overview, BAT BOX AREA (3) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.43 Result overview, BAT BOX AREA (4)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	1.0 lx
Minimum illuminance	E_{min}	0.2 lx
Maximum illuminance	E_{max}	5 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.09 (0.24)
Diversity U_d	E_{min}/E_{max}	1:20.8 (0.05)

Type No.\Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

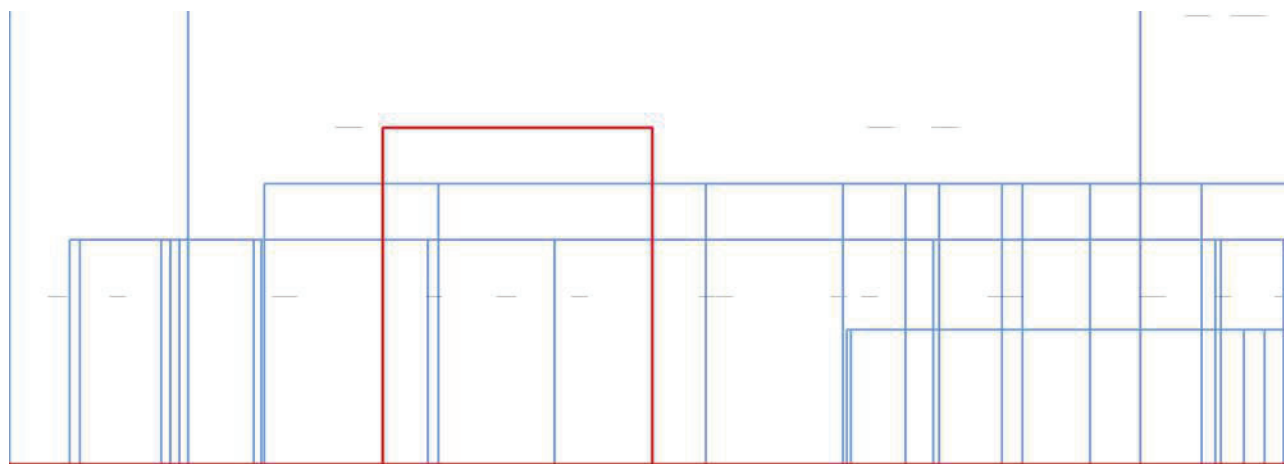
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.43 Result overview, BAT BOX AREA (4)

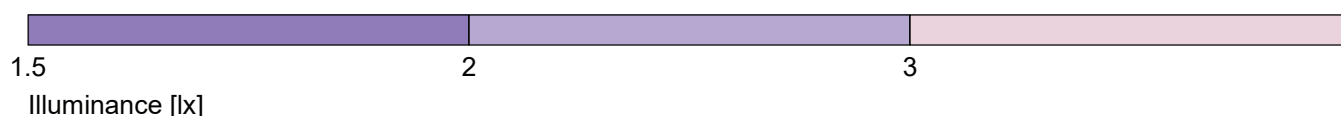
3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.44 Result overview, BAT BOX AREA (4) VERTICAL



168 169 170 171 172 173 174 175 176 177 178 x [m]



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux 970418.2 lm
 Total power 9181 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	3 lx
Minimum illuminance	E_{min}	2 lx
Maximum illuminance	E_{max}	4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.53 (0.65)
Diversity U_d	E_{min}/E_{max}	1:2.35 (0.42)

Type No.\Make

Whitecroft Lighting

1 2 x Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

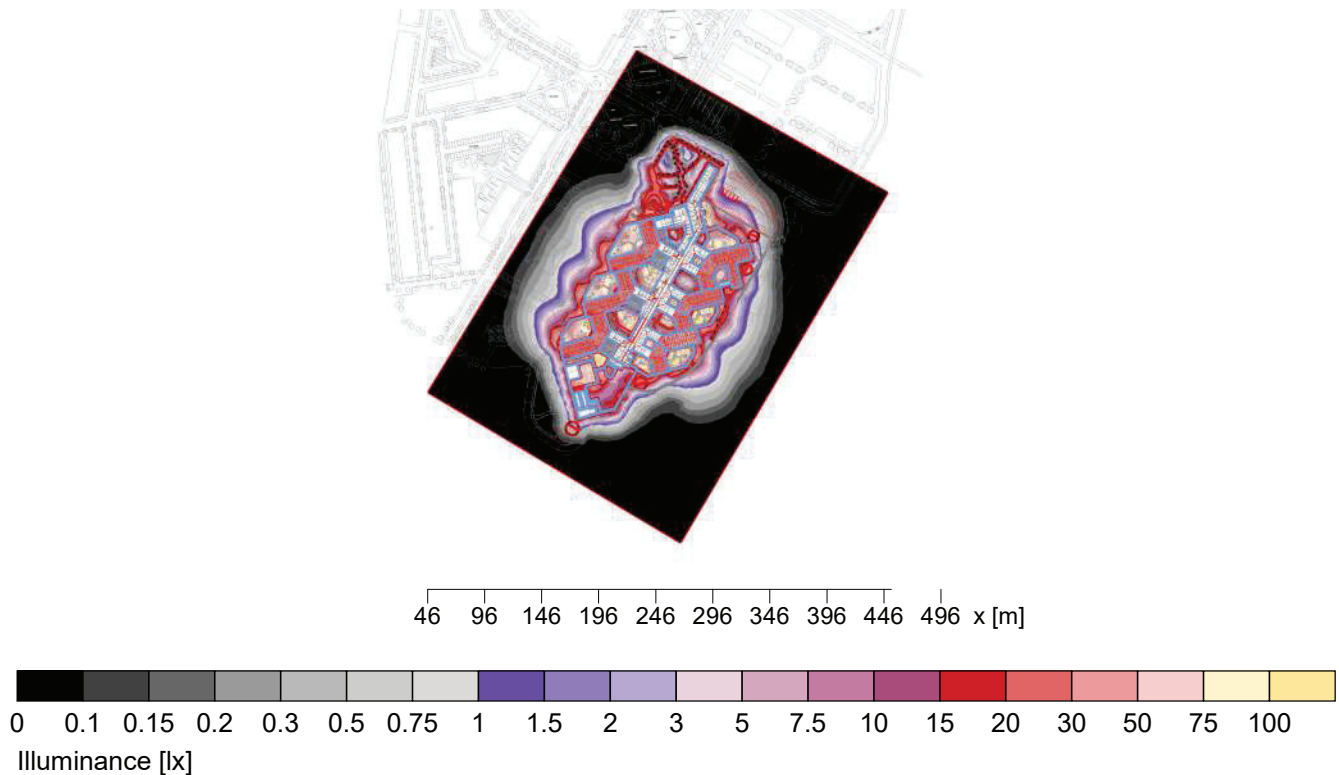
3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.44 Result overview, BAT BOX AREA (4) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.45 Result overview, Overall



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.67 m²)

970418.19 lm
 9181.0 W
 0.10 W/m² (1.43 W/m²/100lx)

Overall

Reference plane 1.1

Horizontal
 $\bar{E}_m$ 7 lx
 E_{min} 0.0 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.00
 $E_{min}/E_{max} (U_d)$ 0.00
 Position 0.00 m

Type No.\Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

3.2 Summary, 5lx Perimeter - Centurion PP65

3.2.45 Result overview, Overall

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
11	57 x		Order No. : CENPL0Y Luminaire name : Centurion PP65 Equipment : 1 x LED 13 W / 1364 lm Emergency : 110 lm (8.1 %) Maintenance factor: 0.68

4 5lx Perimeter - Kolo Hood

4.1 Description, 5lx Perimeter - Kolo Hood

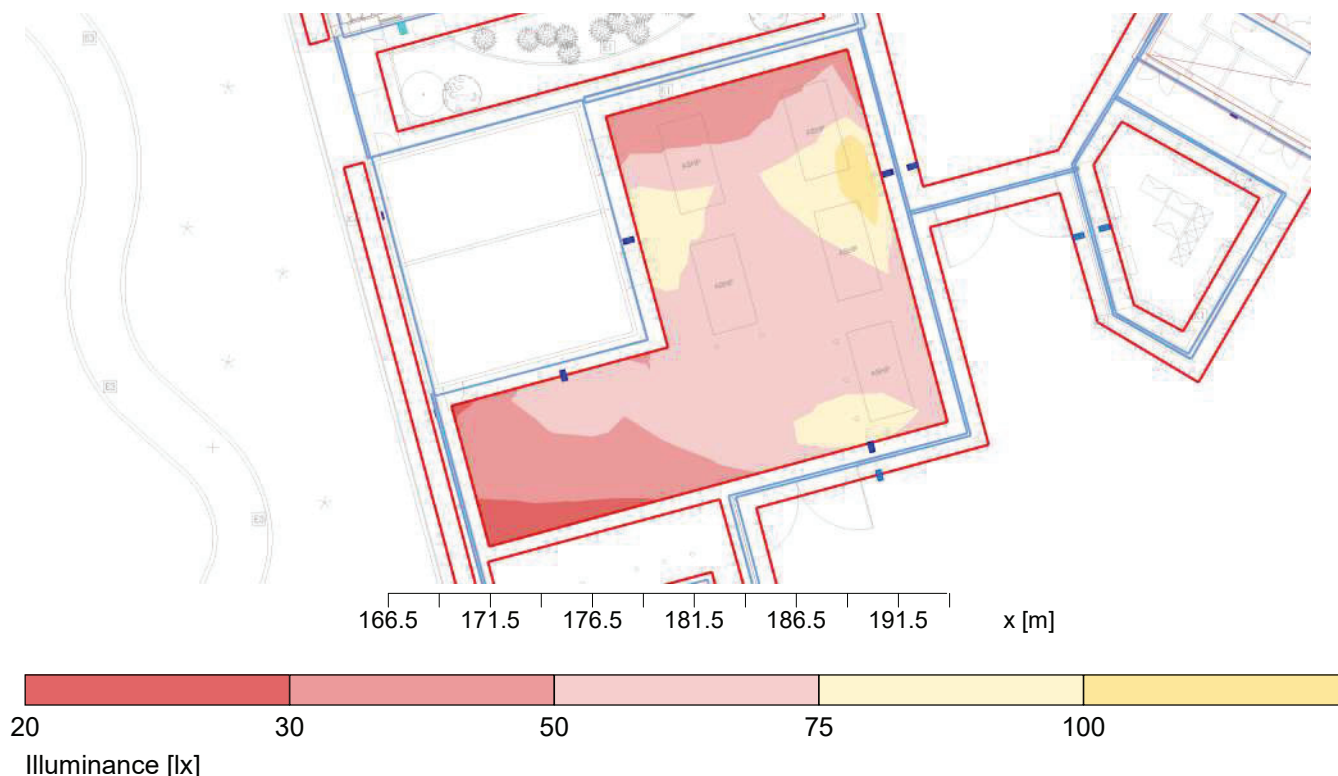
4.1.1 Floor plan



4 5lx Perimeter - Kolo Hood

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.1 Result overview, ASHP Yard 50lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	63 lx
Minimum illuminance	E_{min}	26 lx
Maximum illuminance	E_{max}	125 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.45 (0.41)
Diversity U_d	E_{min}/E_{max}	1:4.84 (0.21)

Type No. Make

Whitecroft Lighting

1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68

2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

4 5lx Perimeter - Kolo Hood

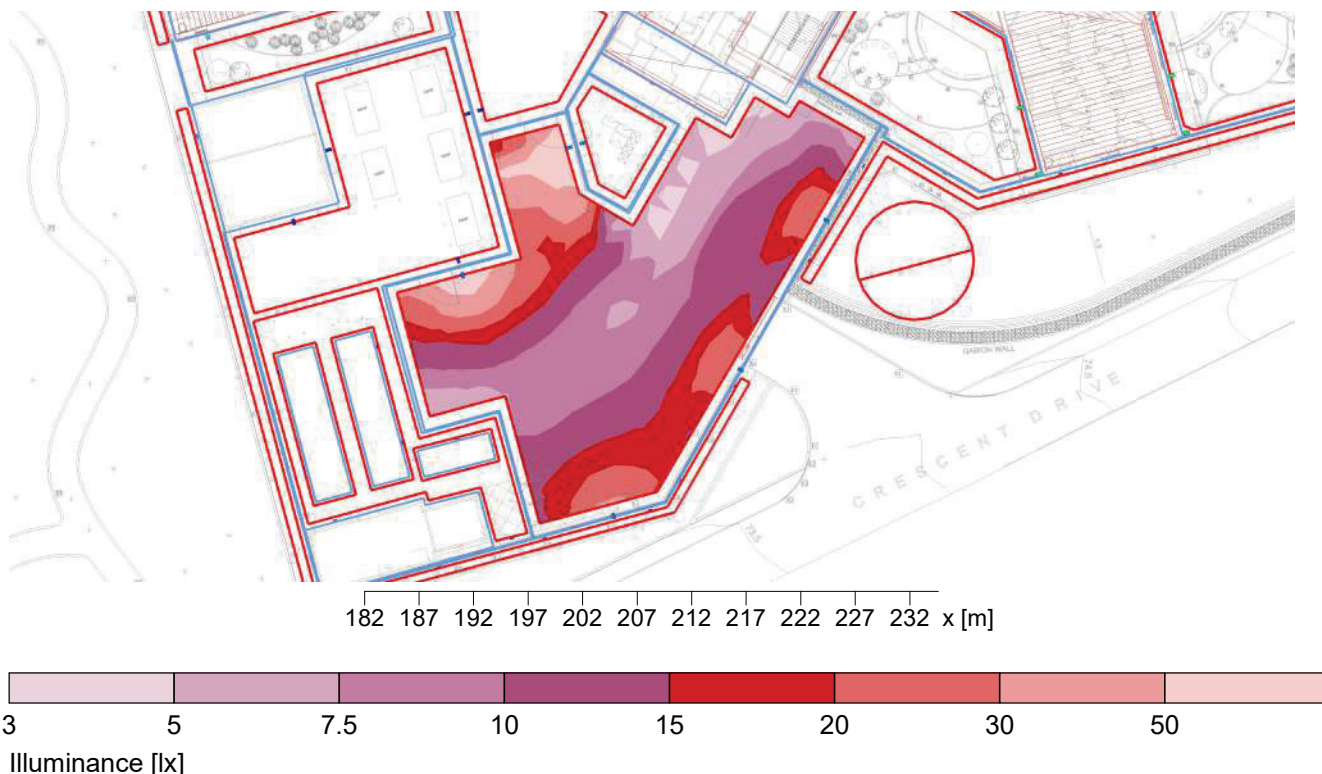
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.1 Result overview, ASHP Yard 50lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.2 Result overview, Turning Circle 10lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	15 lx
Minimum illuminance	E_{min}	4 lx
Maximum illuminance	E_{max}	73 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.67 (0.27)
Diversity U_d	E_{min}/E_{max}	1:17.6 (0.06)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

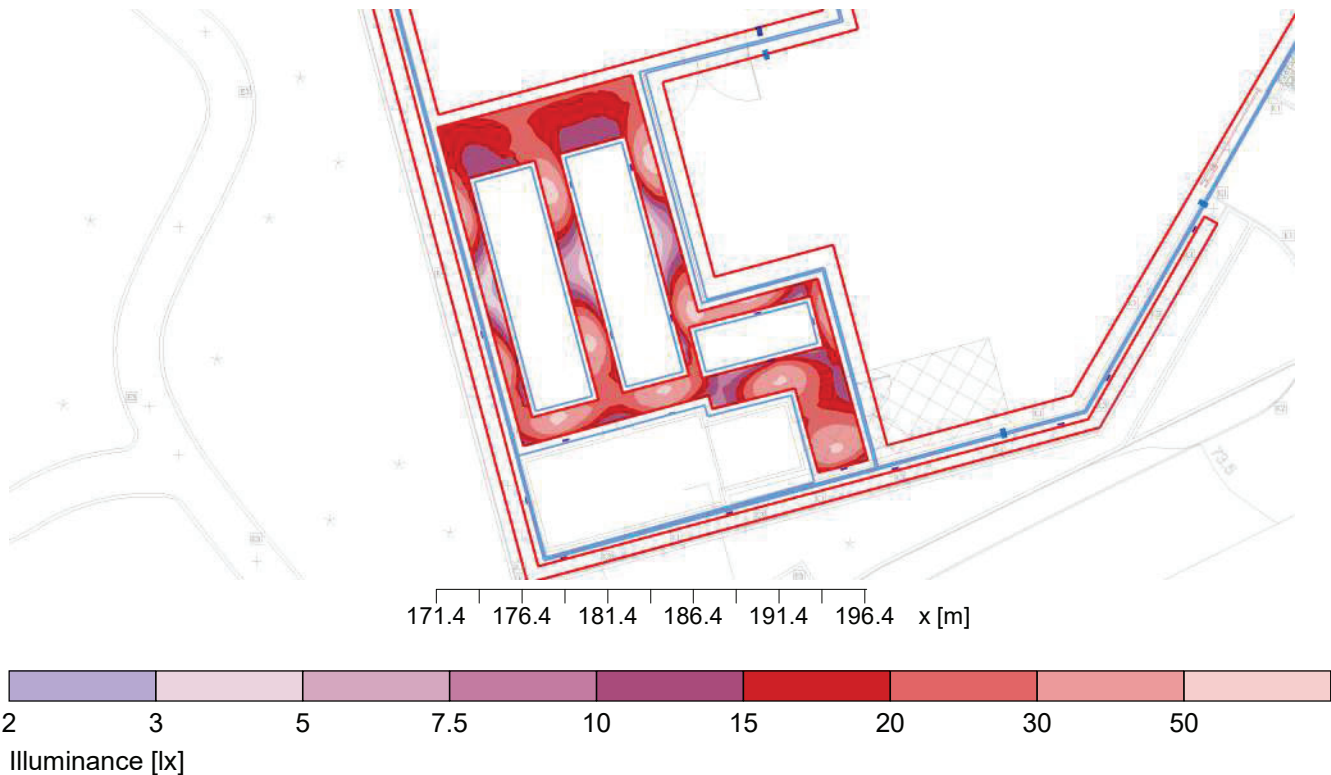
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.2 Result overview, Turning Circle 10lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.3 Result overview, Plant Access 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	23 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	57 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:8.48 (0.12)
Diversity U_d	E_{min}/E_{max}	1:20.7 (0.05)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

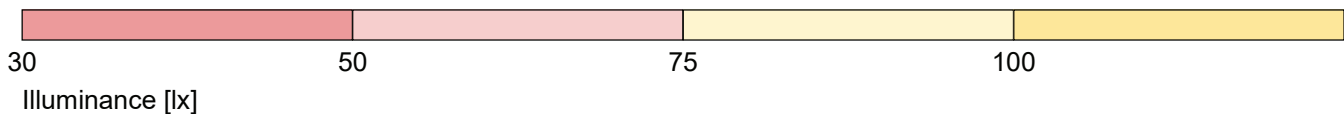
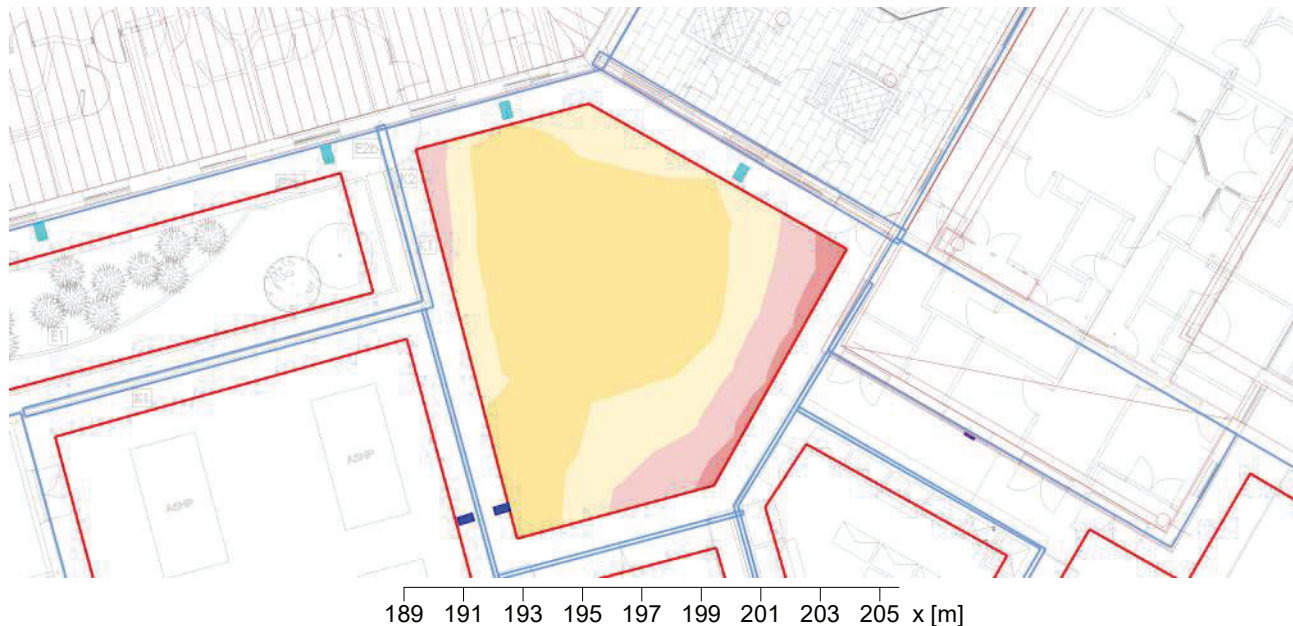
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.3 Result overview, Plant Access 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.4 Result overview, Discrete Entrance 100lx 0.4Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	101 lx
Minimum illuminance	E_{min}	46 lx
Maximum illuminance	E_{max}	143 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.2 (0.45)
Diversity U_d	E_{min}/E_{max}	1:3.13 (0.32)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

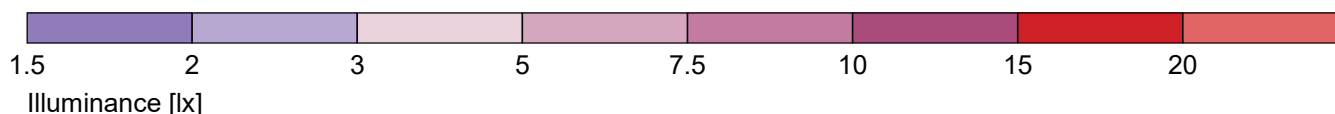
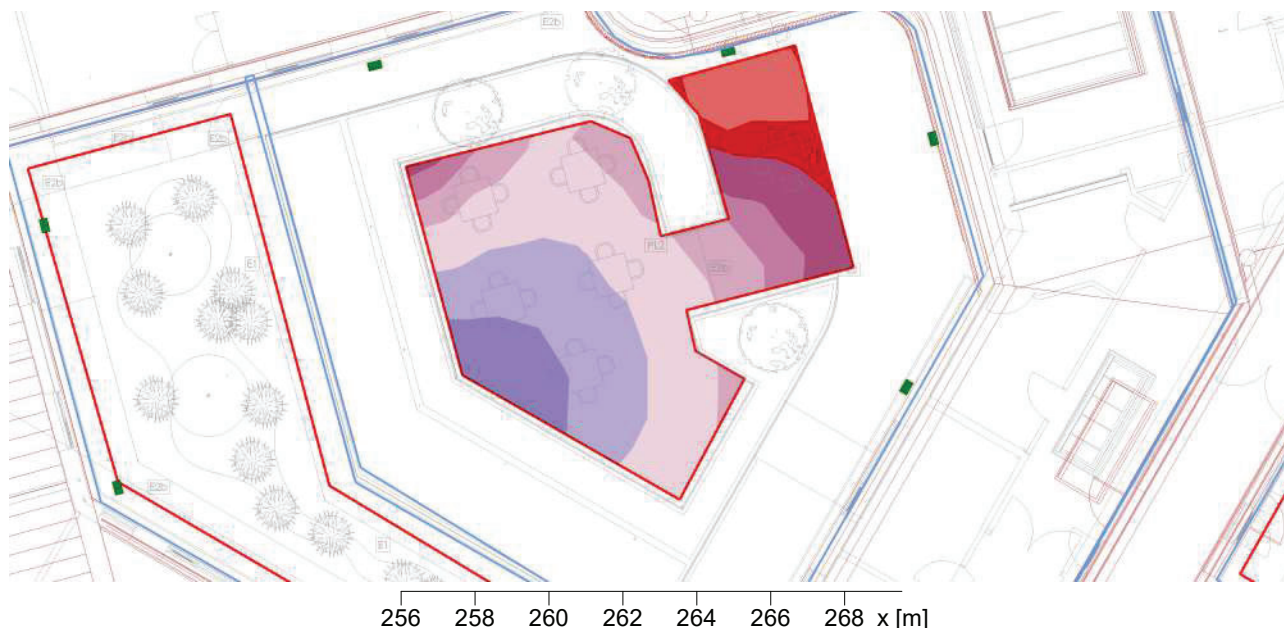
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.4 Result overview, Discrete Entrance 100lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.5 Result overview, Cafe Garden 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	7 lx
Minimum illuminance	E_{min}	2 lx
Maximum illuminance	E_{max}	27 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.98 (0.25)
Diversity U_d	E_{min}/E_{max}	1:15.7 (0.06)

Type No. Make

Whitecroft Lighting

1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68

2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

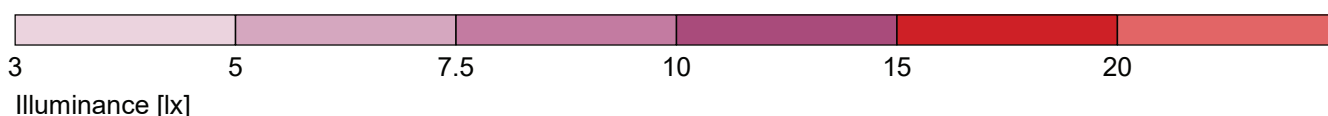
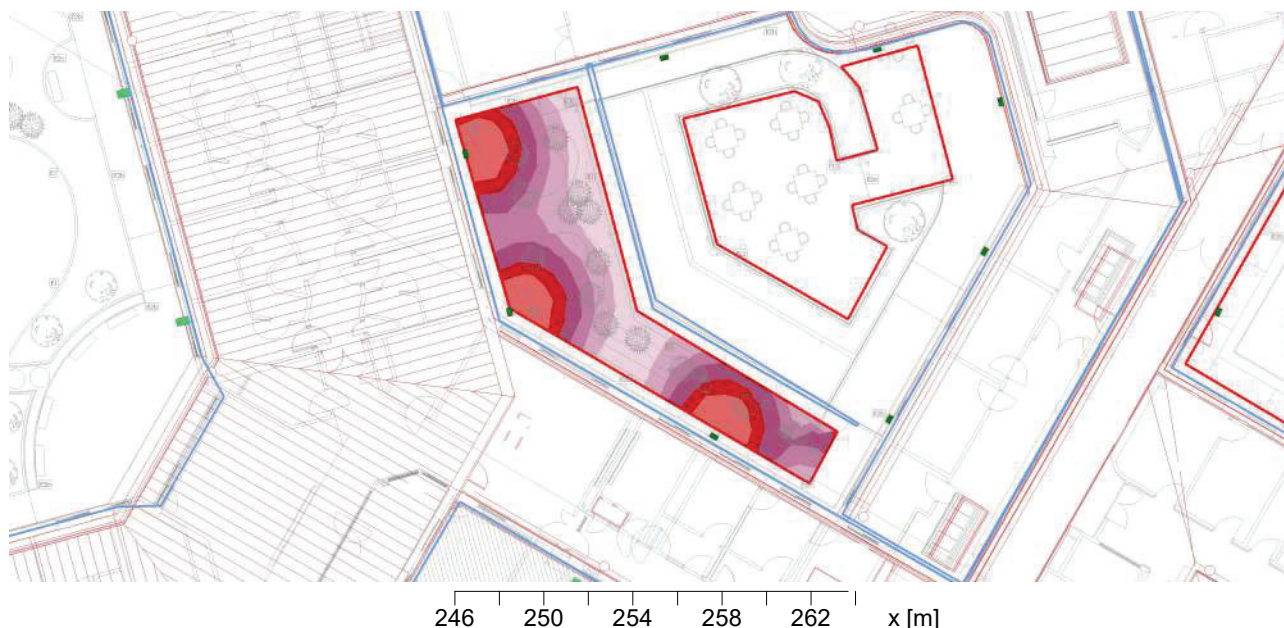
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.5 Result overview, Cafe Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.6 Result overview, Maintenance Only Garden 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	10 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	29 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.39 (0.3)
Diversity U_d	E_{min}/E_{max}	1:9.55 (0.1)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

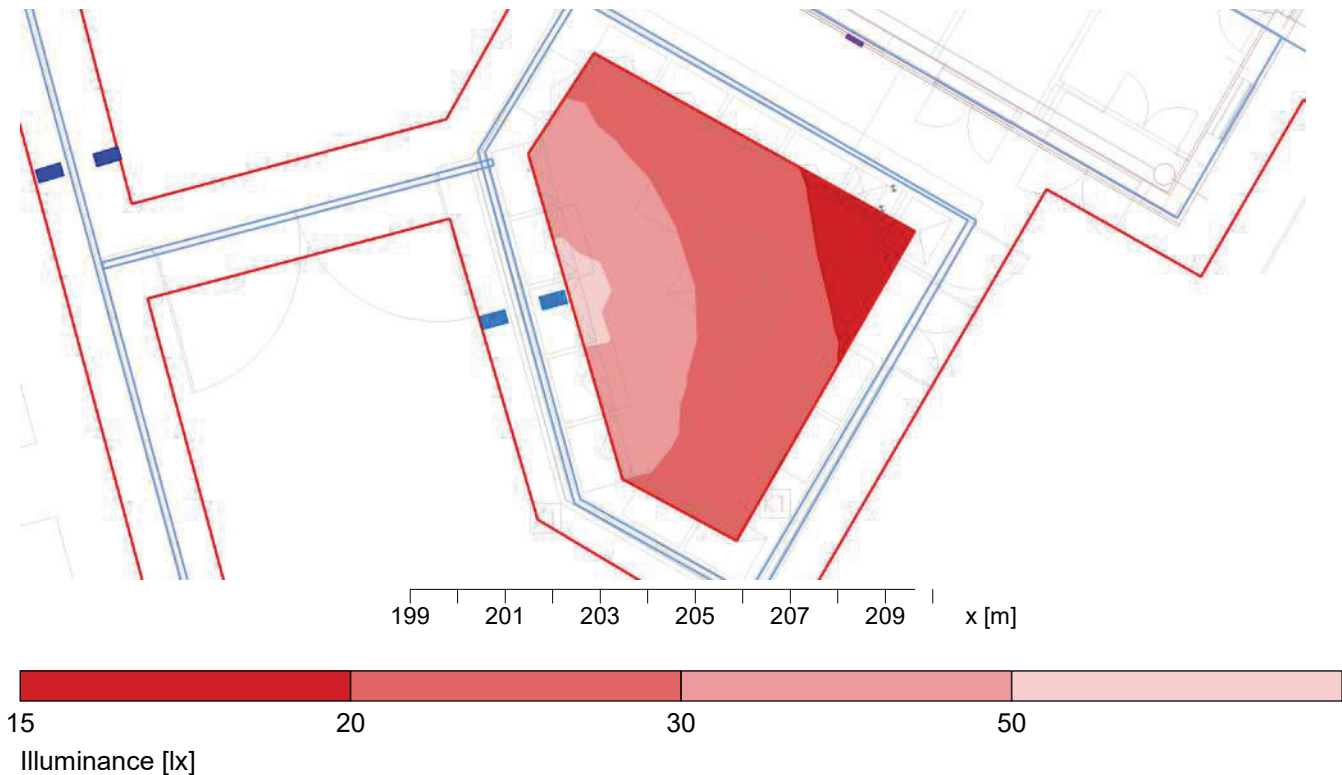
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.6 Result overview, Maintenance Only Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.7 Result overview, Bin Store 20lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	29 lx
Minimum illuminance	E_{min}	18 lx
Maximum illuminance	E_{max}	53 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.63 (0.61)
Diversity U_d	E_{min}/E_{max}	1:2.95 (0.34)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

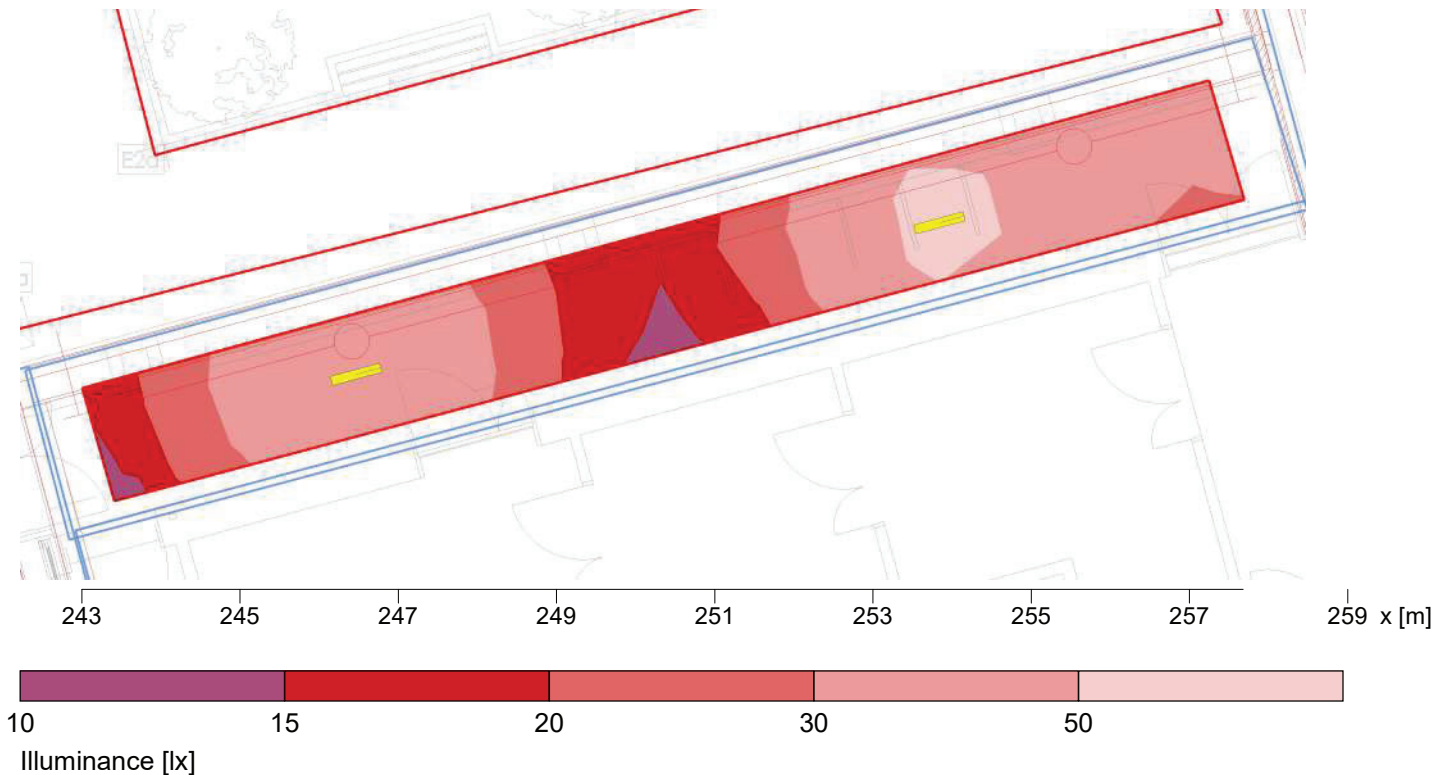
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.7 Result overview, Bin Store 20lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.8 Result overview, Bike Store Under Canopy 10lx 0.4Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	34 lx
Minimum illuminance	E_{min}	14 lx
Maximum illuminance	E_{max}	55 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.4 (0.42)
Diversity U_d	E_{min}/E_{max}	1:3.9 (0.26)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

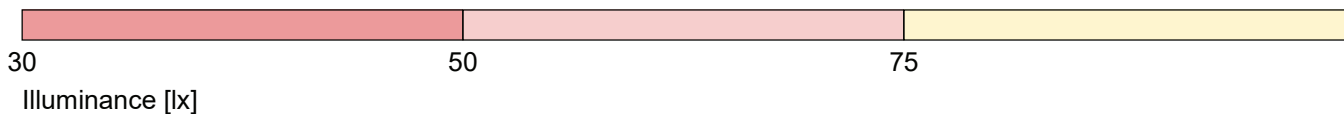
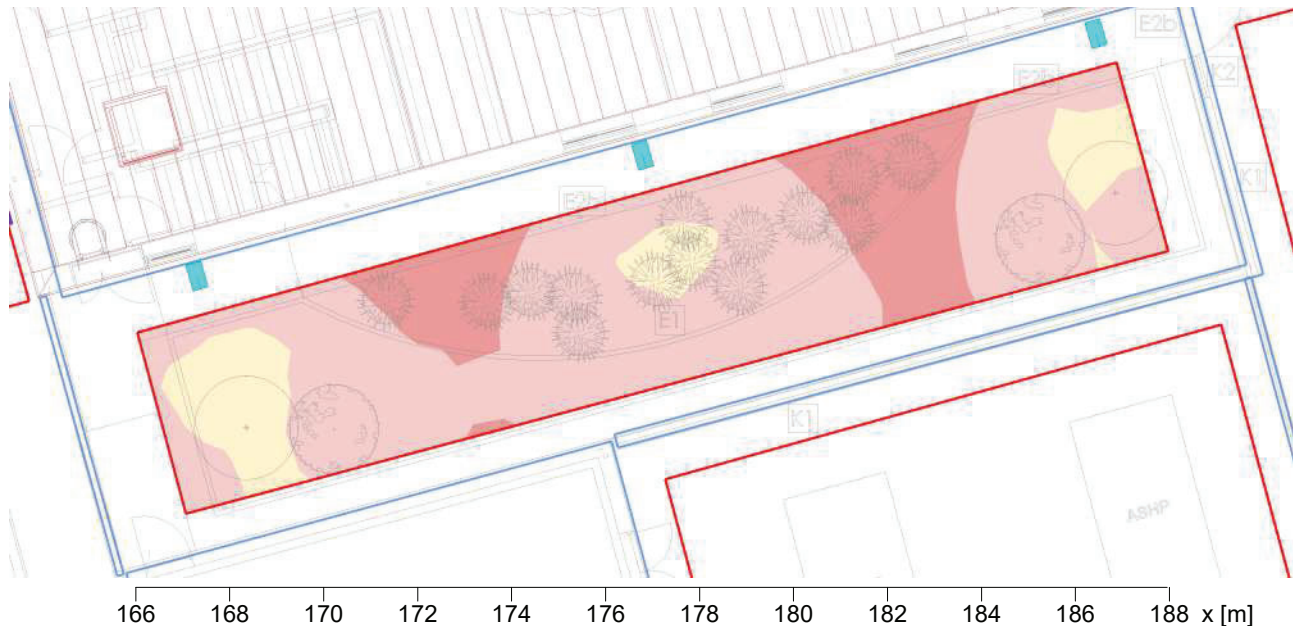
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.8 Result overview, Bike Store Under Canopy 10lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.9 Result overview, PICU Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	62 lx
Minimum illuminance	E_{min}	37 lx
Maximum illuminance	E_{max}	84 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.67 (0.6)
Diversity U_d	E_{min}/E_{max}	1:2.25 (0.44)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

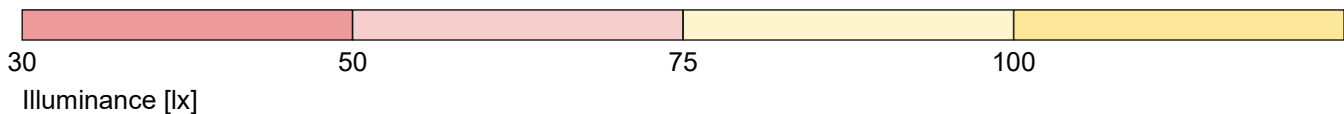
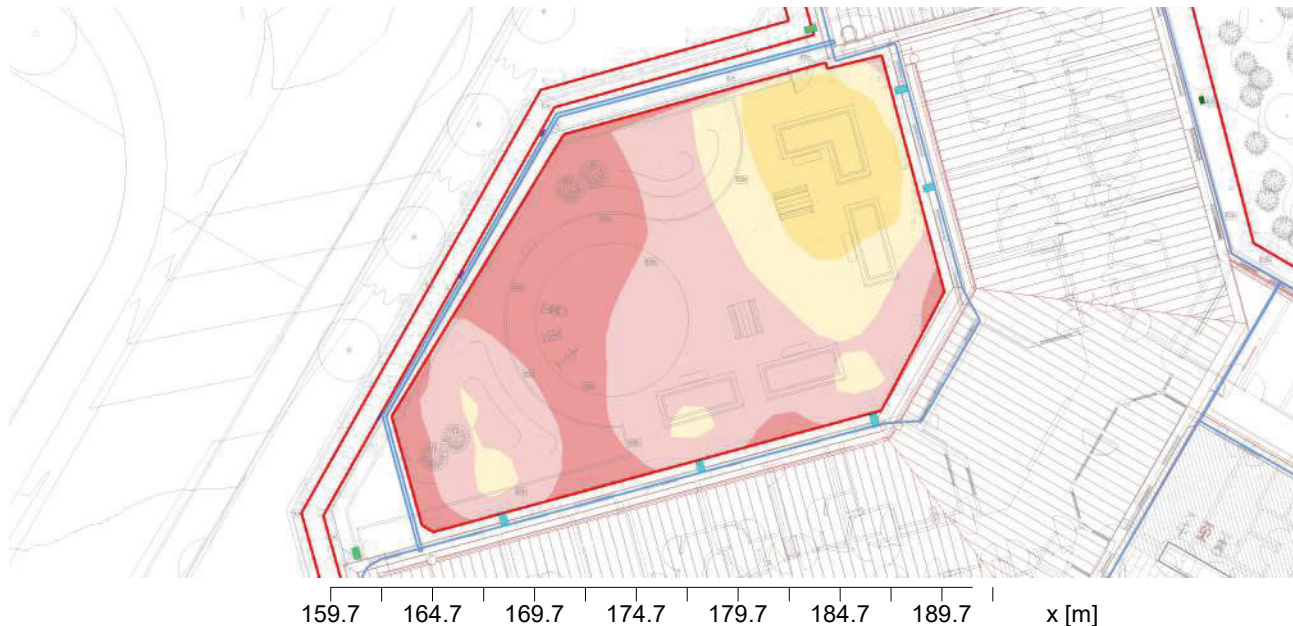
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.9 Result overview, PICU Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.10 Result overview, PICU Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	68 lx
Minimum illuminance	E_{min}	33 lx
Maximum illuminance	E_{max}	116 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.03 (0.49)
Diversity U_d	E_{min}/E_{max}	1:3.49 (0.29)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

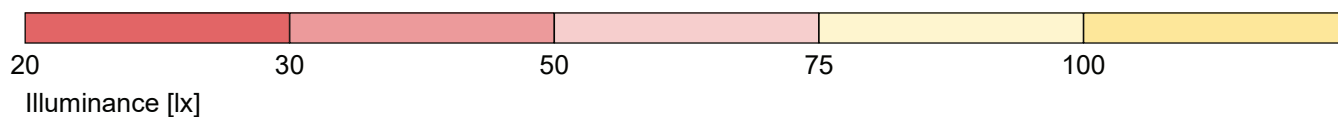
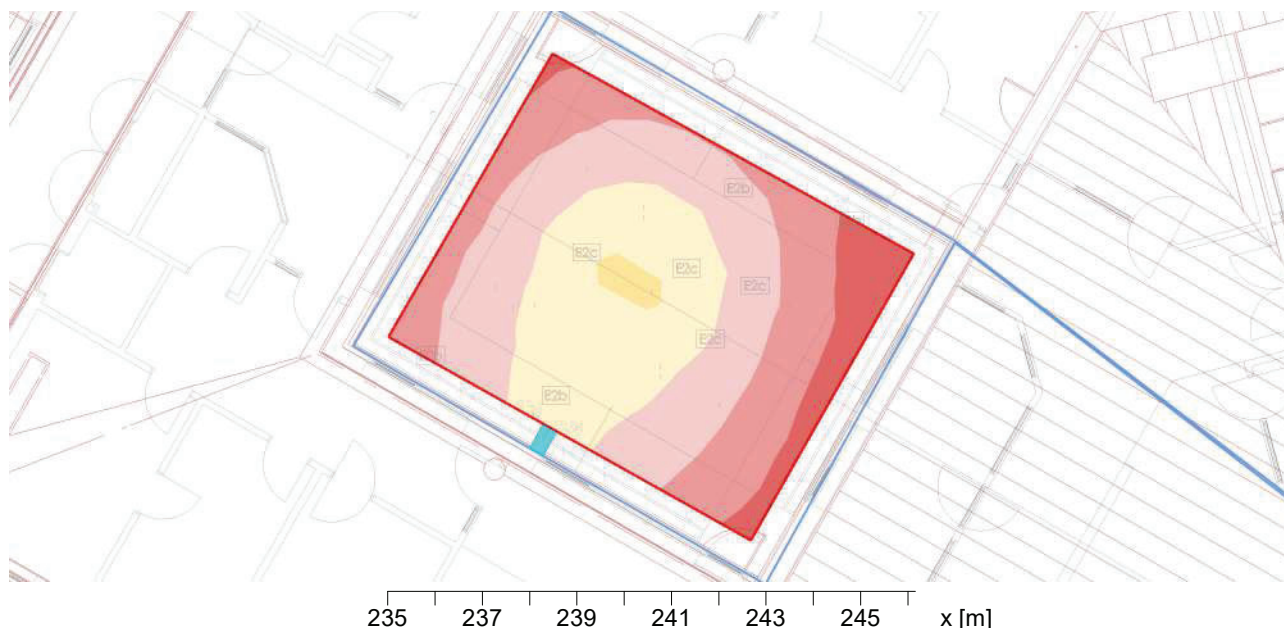
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.10 Result overview, PICU Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.11 Result overview, Service user Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	63 lx
Minimum illuminance	E_{min}	28 lx
Maximum illuminance	E_{max}	104 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.27 (0.44)
Diversity U_d	E_{min}/E_{max}	1:3.78 (0.26)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

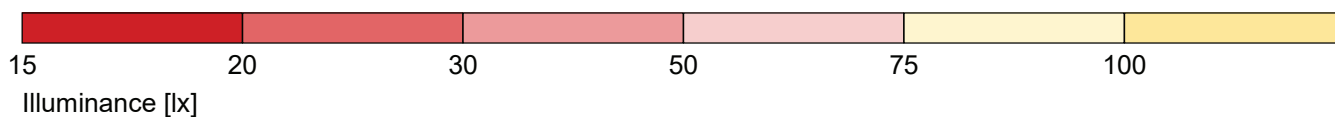
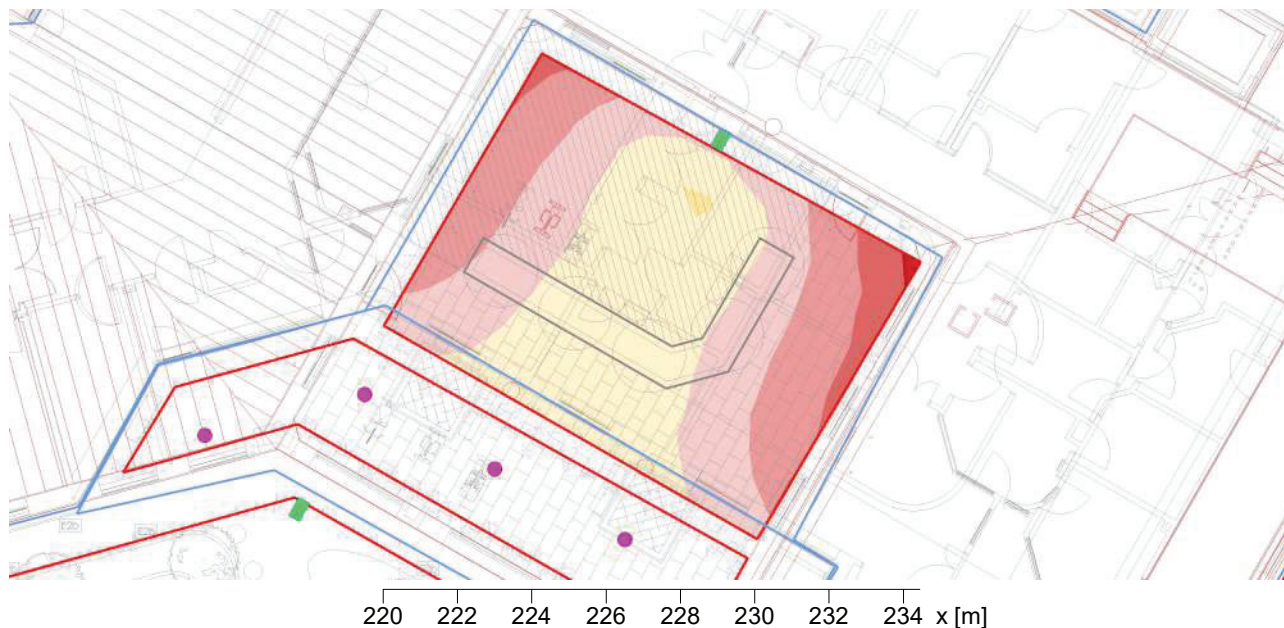
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.11 Result overview, Service user Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.12 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	66 lx
Minimum illuminance	E_{min}	17 lx
Maximum illuminance	E_{max}	103 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.81 (0.26)
Diversity U_d	E_{min}/E_{max}	1:5.96 (0.17)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

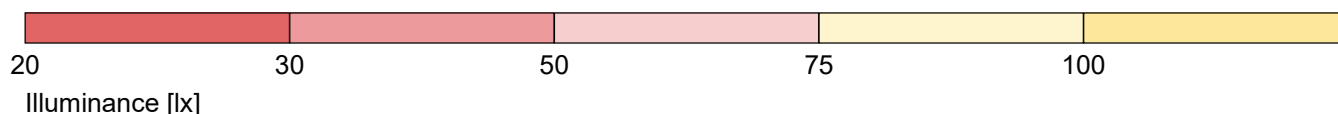
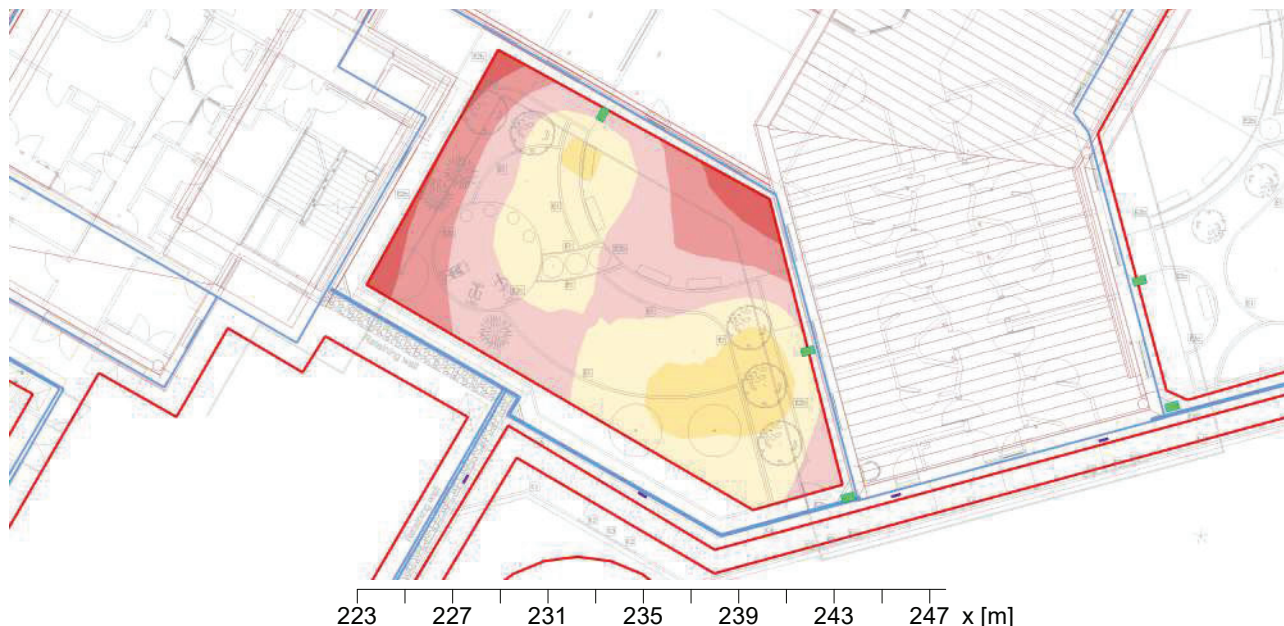
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.12 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.13 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	73 lx
Minimum illuminance	E_{min}	23 lx
Maximum illuminance	E_{max}	120 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.12 (0.32)
Diversity U_d	E_{min}/E_{max}	1:5.15 (0.19)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

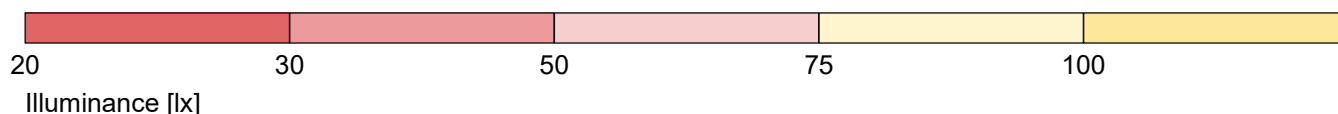
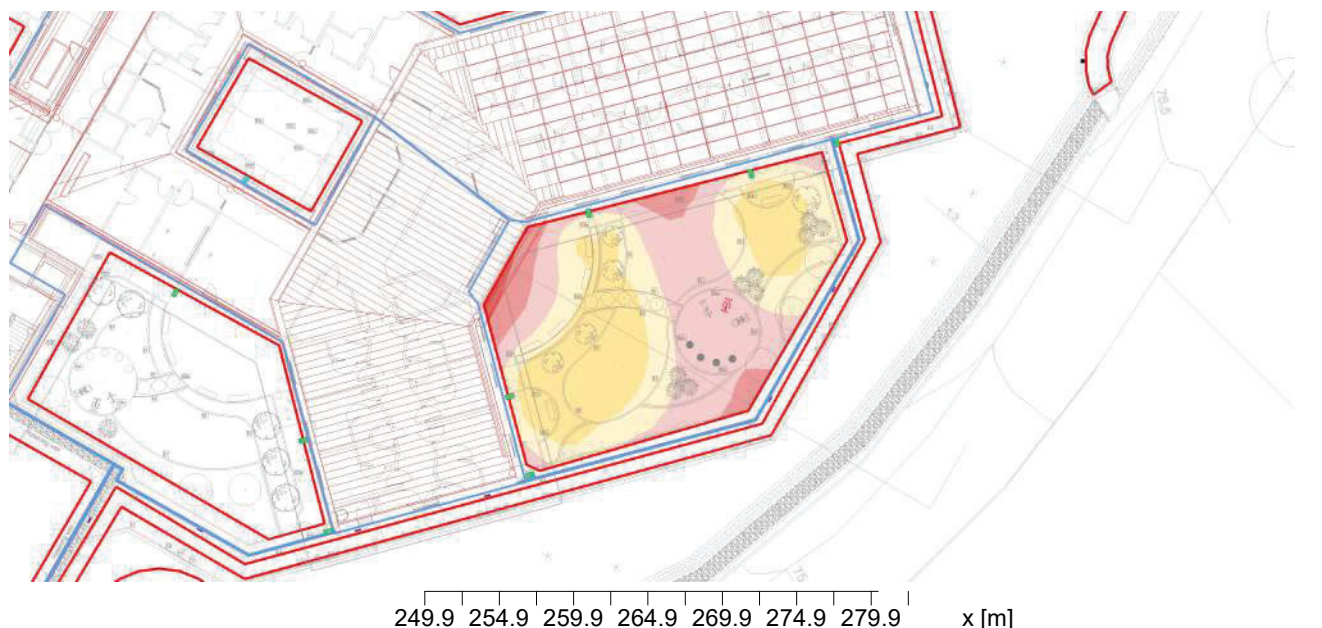
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.13 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.14 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	84 lx
Minimum illuminance	E_{min}	29 lx
Maximum illuminance	E_{max}	133 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.92 (0.34)
Diversity U_d	E_{min}/E_{max}	1:4.6 (0.22)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

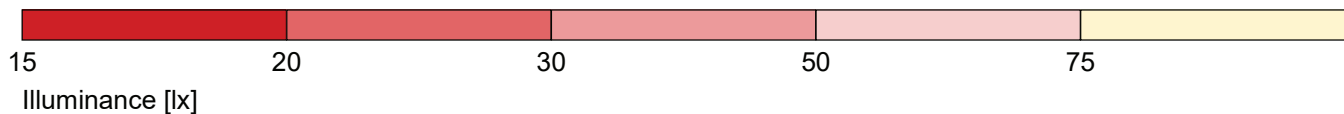
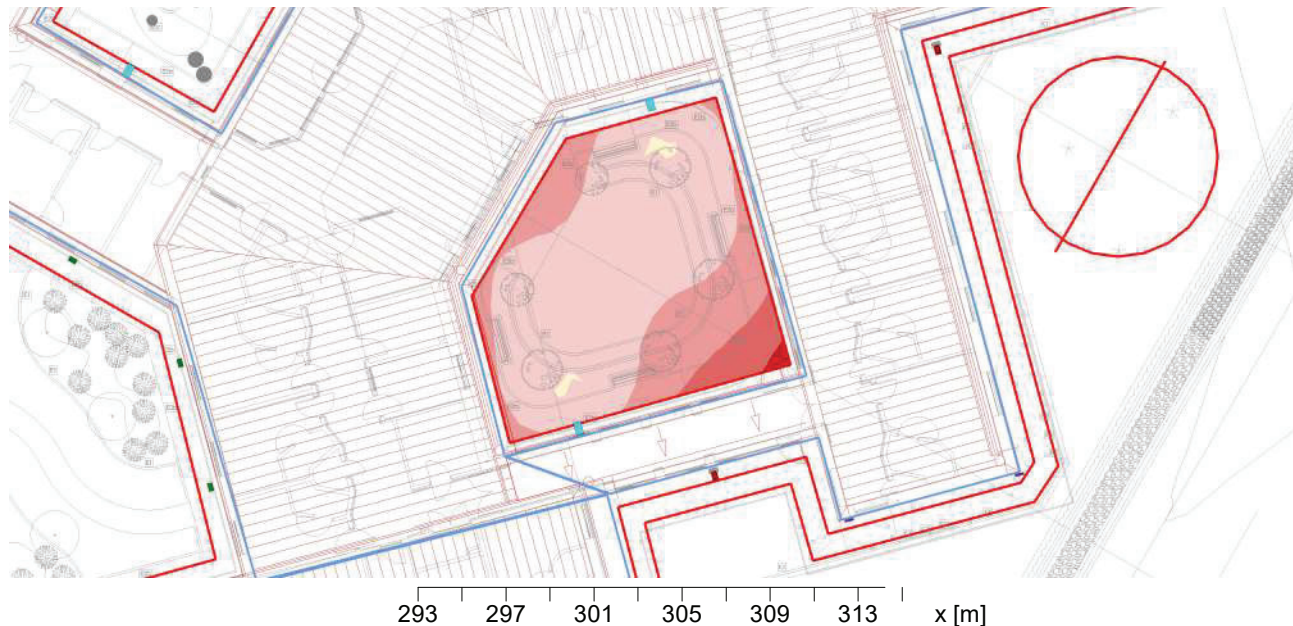
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.14 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.15 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	54 lx
Minimum illuminance	E_{min}	20 lx
Maximum illuminance	E_{max}	77 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.71 (0.37)
Diversity U_d	E_{min}/E_{max}	1:3.88 (0.26)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

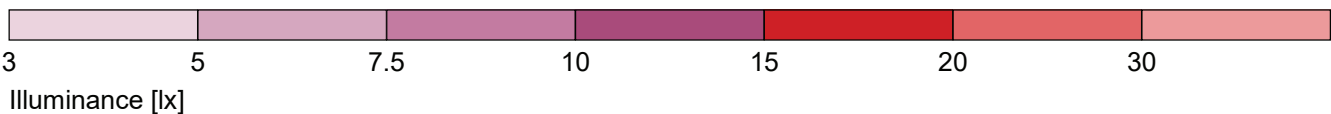
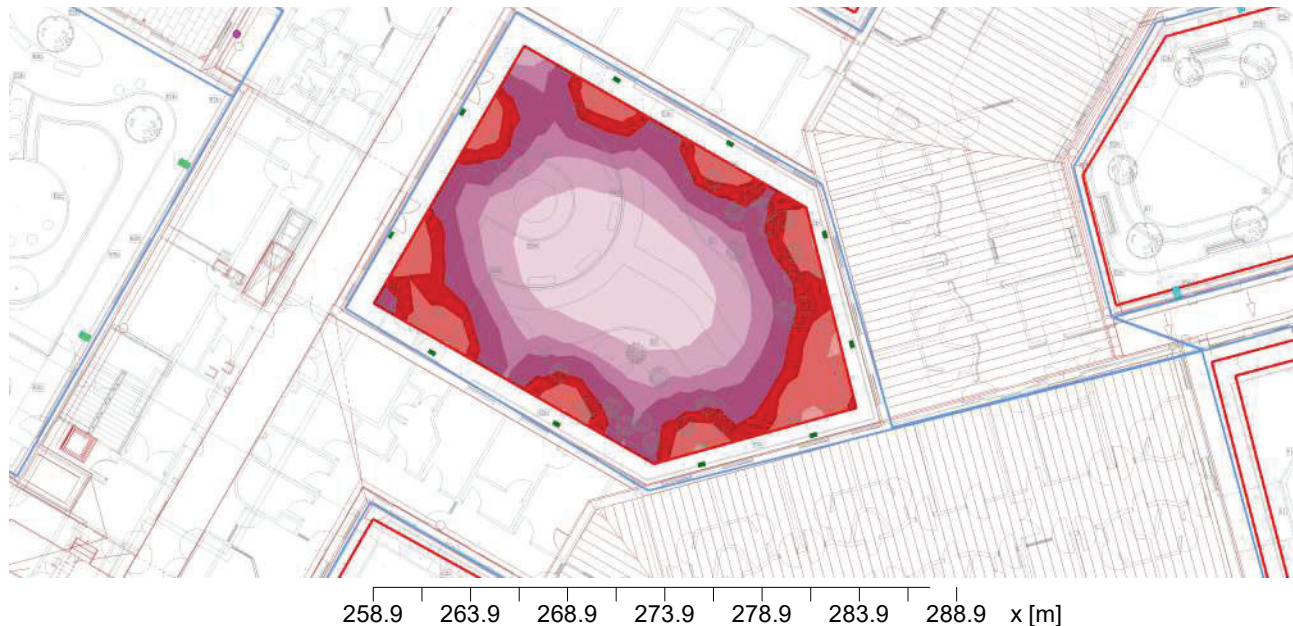
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.15 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.16 Result overview, Maintenance Only Garden 5lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	11 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	31 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.51 (0.28)
Diversity U_d	E_{min}/E_{max}	1:9.59 (0.1)

Type No. Make

Whitecroft Lighting	
1	2 x
	Order No. : AXLH214K Luminaire name : ACL EXTREME Equipment : 1 x LED 19 W / 2023.1 lm Maintenance factor: 0.68
2	20 x
	Order No. : EFLH24KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 81 W / 8528 lm Maintenance factor: 0.81

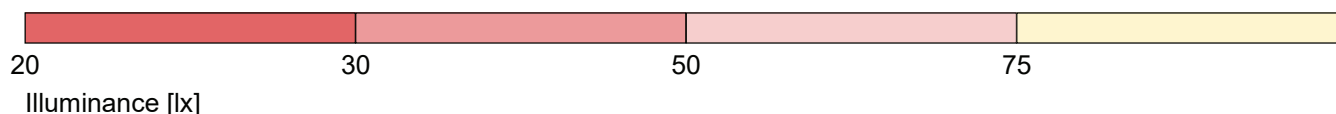
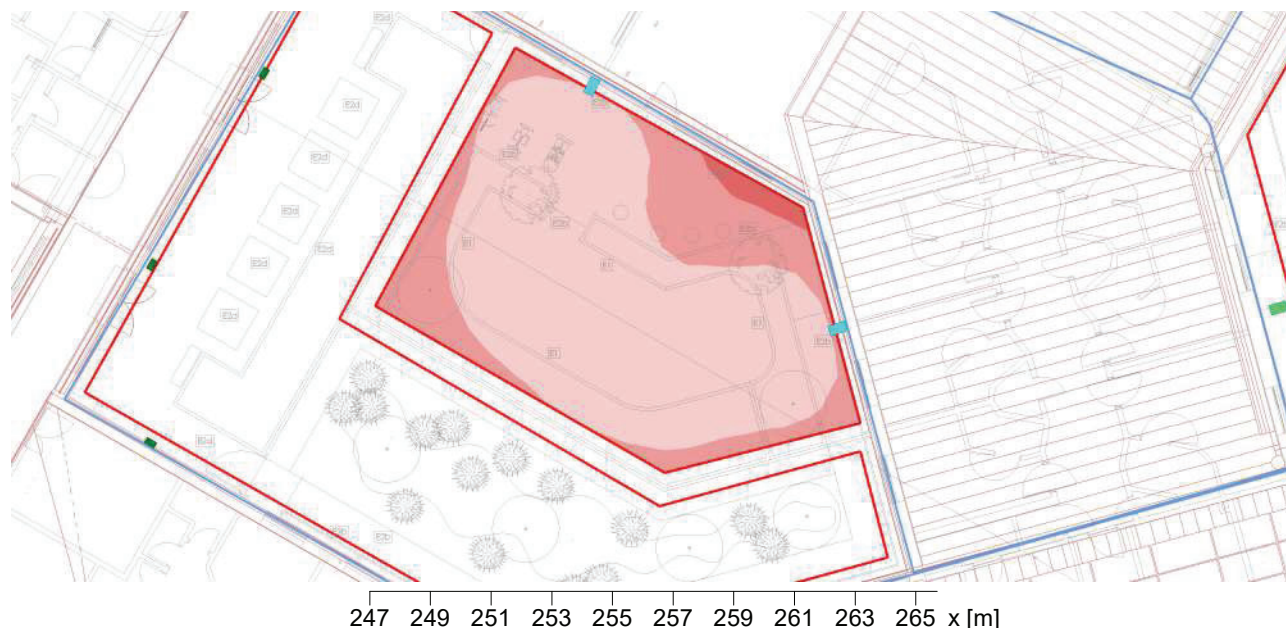
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.16 Result overview, Maintenance Only Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.17 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	55 lx
Minimum illuminance	E_{min}	24 lx
Maximum illuminance	E_{max}	75 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.32 (0.43)
Diversity U_d	E_{min}/E_{max}	1:3.18 (0.31)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

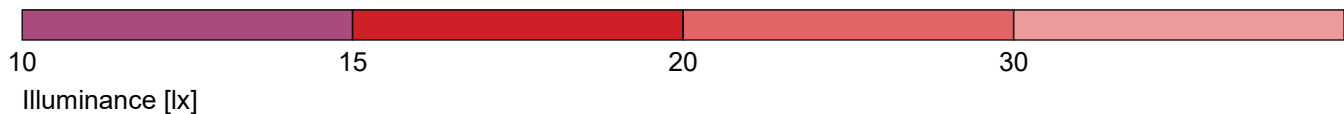
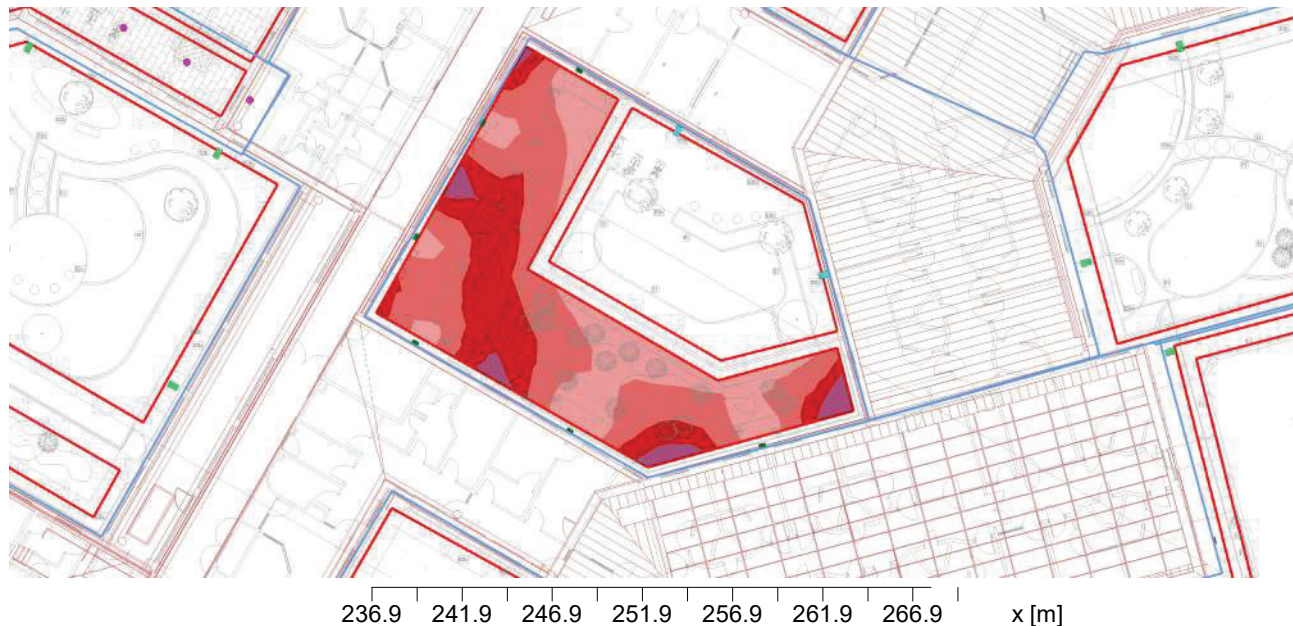
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.17 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.18 Result overview, Maintenance Only Garden 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	25 lx
Minimum illuminance	E_{min}	14 lx
Maximum illuminance	E_{max}	42 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.76 (0.57)
Diversity U_d	E_{min}/E_{max}	1:2.97 (0.34)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

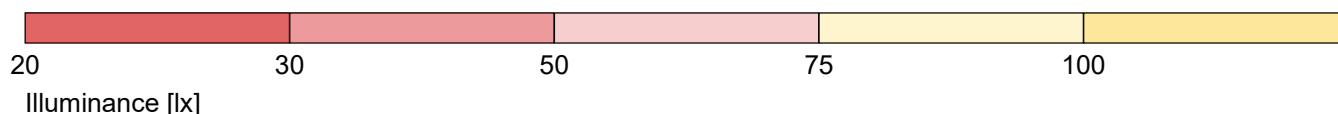
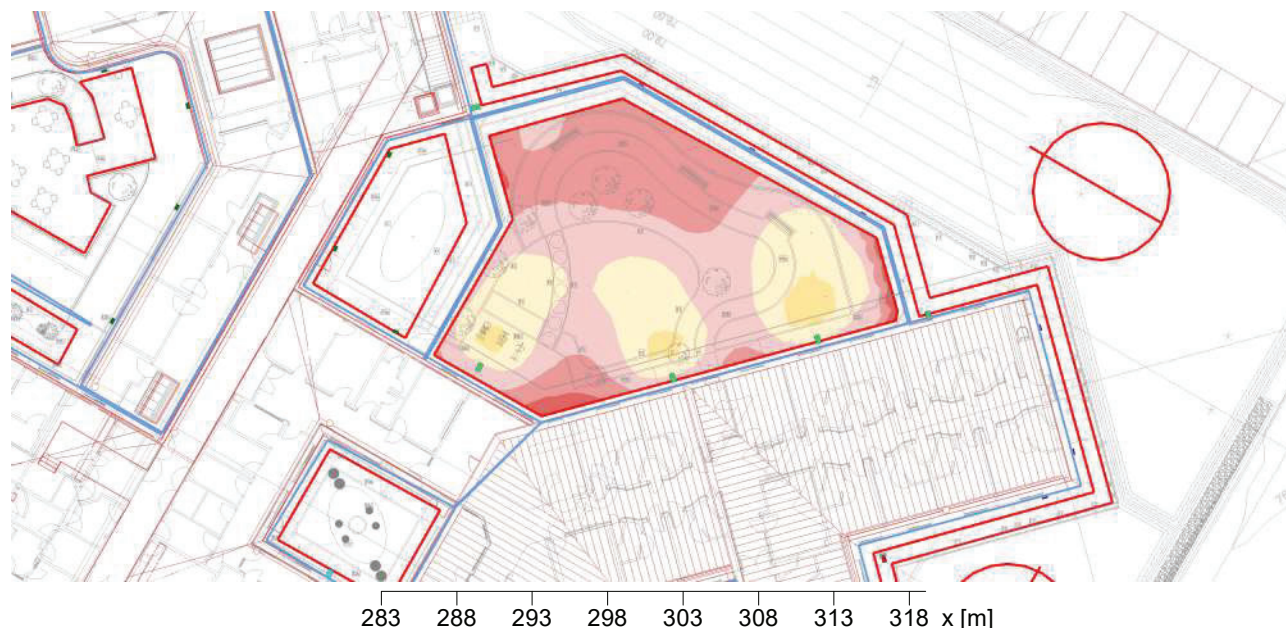
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.18 Result overview, Maintenance Only Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.19 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	66 lx
Minimum illuminance	E_{min}	21 lx
Maximum illuminance	E_{max}	115 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.06 (0.33)
Diversity U_d	E_{min}/E_{max}	1:5.37 (0.19)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

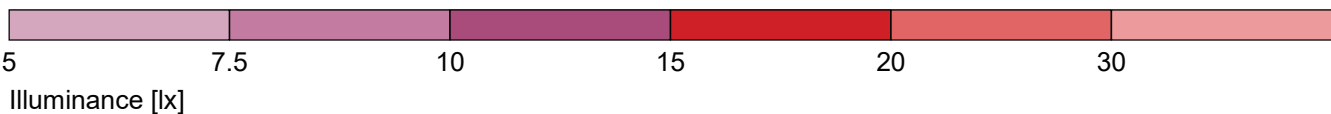
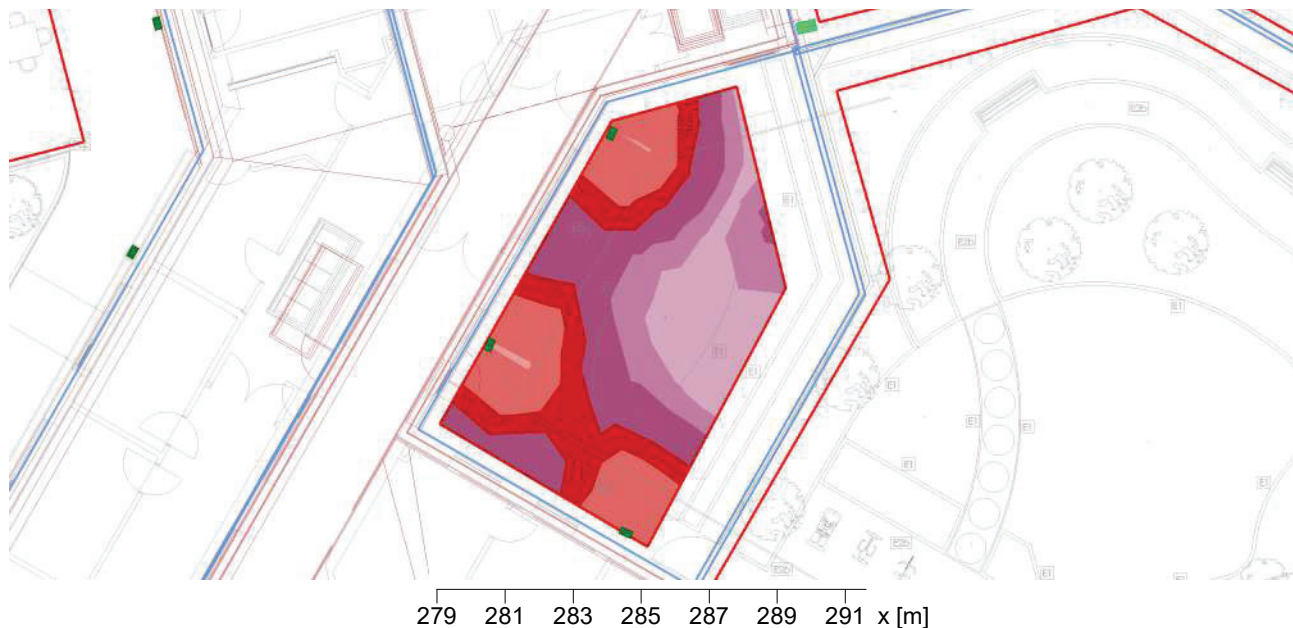
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.19 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.20 Result overview, Maintenance Only Garden 5lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	6 lx
Maximum illuminance	E_{max}	31 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.66 (0.38)
Diversity U_d	E_{min}/E_{max}	1:5.19 (0.19)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

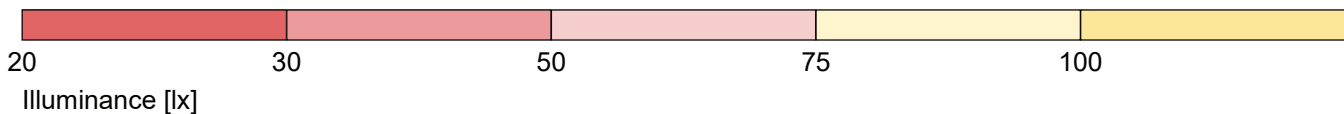
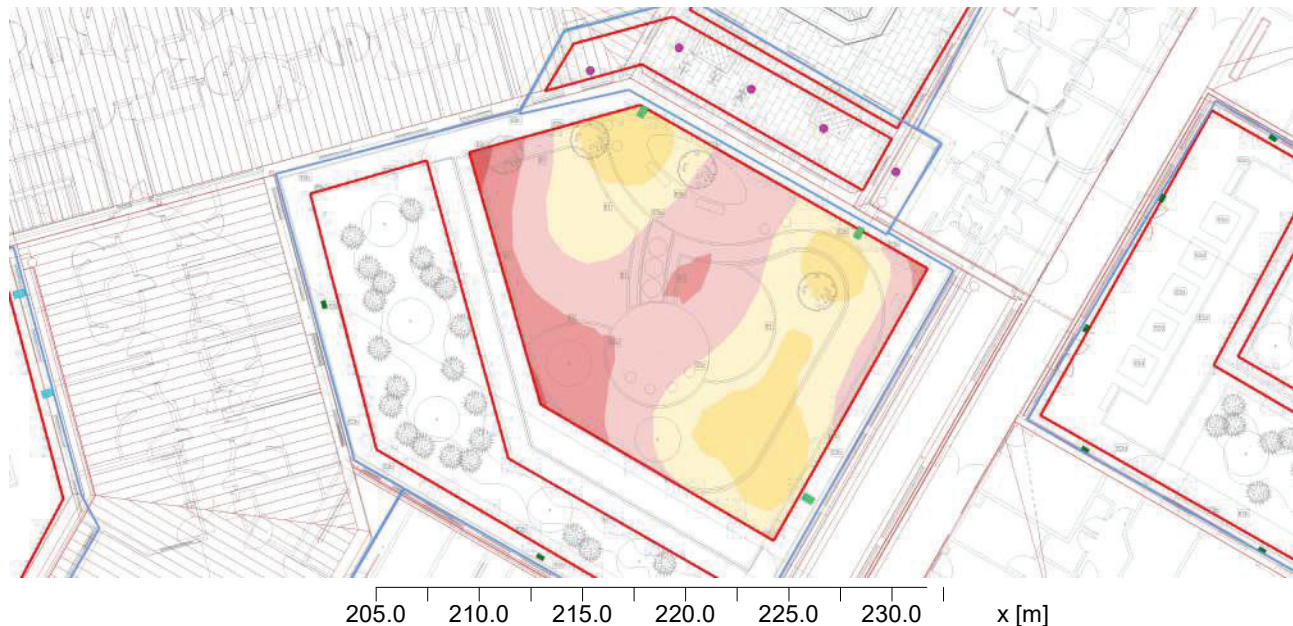
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.20 Result overview, Maintenance Only Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.21 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	76 lx
Minimum illuminance	E_{min}	28 lx
Maximum illuminance	E_{max}	124 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.69 (0.37)
Diversity U_d	E_{min}/E_{max}	1:4.35 (0.23)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

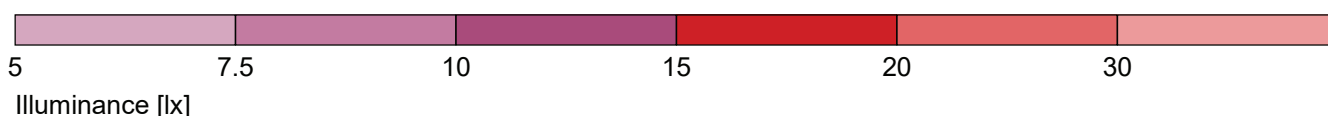
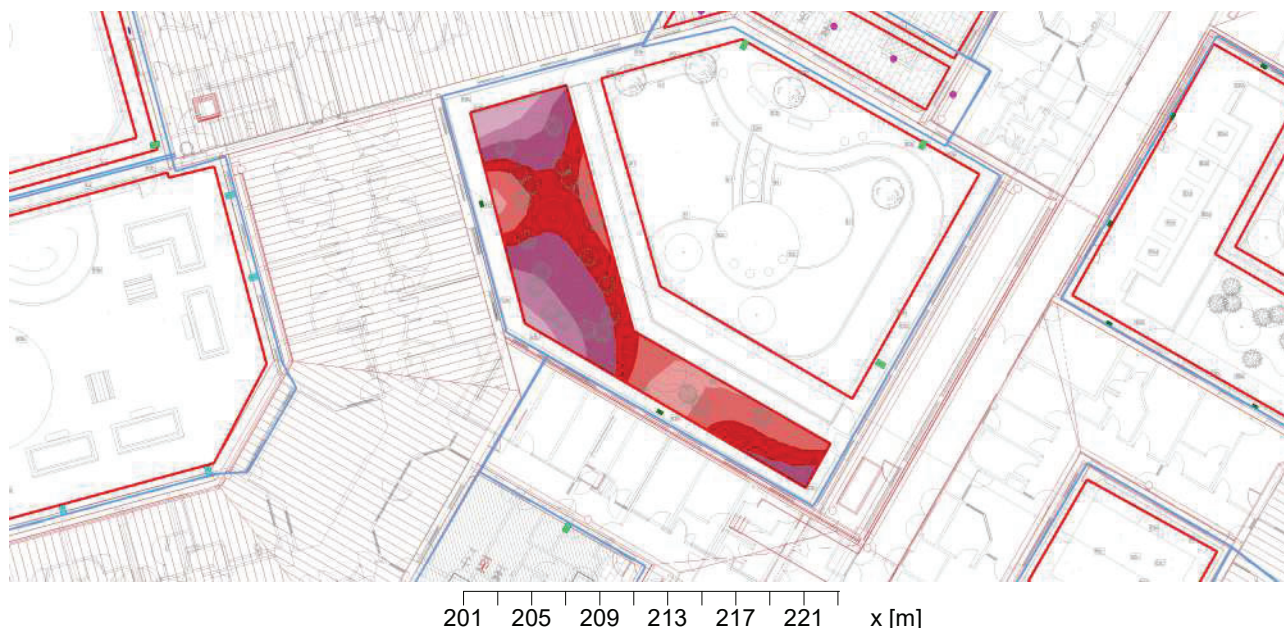
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.21 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.22 Result overview, Maintenance Only Garden 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	18 lx
Minimum illuminance	E_{min}	6 lx
Maximum illuminance	E_{max}	39 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.93 (0.34)
Diversity U_d	E_{min}/E_{max}	1:6.48 (0.15)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

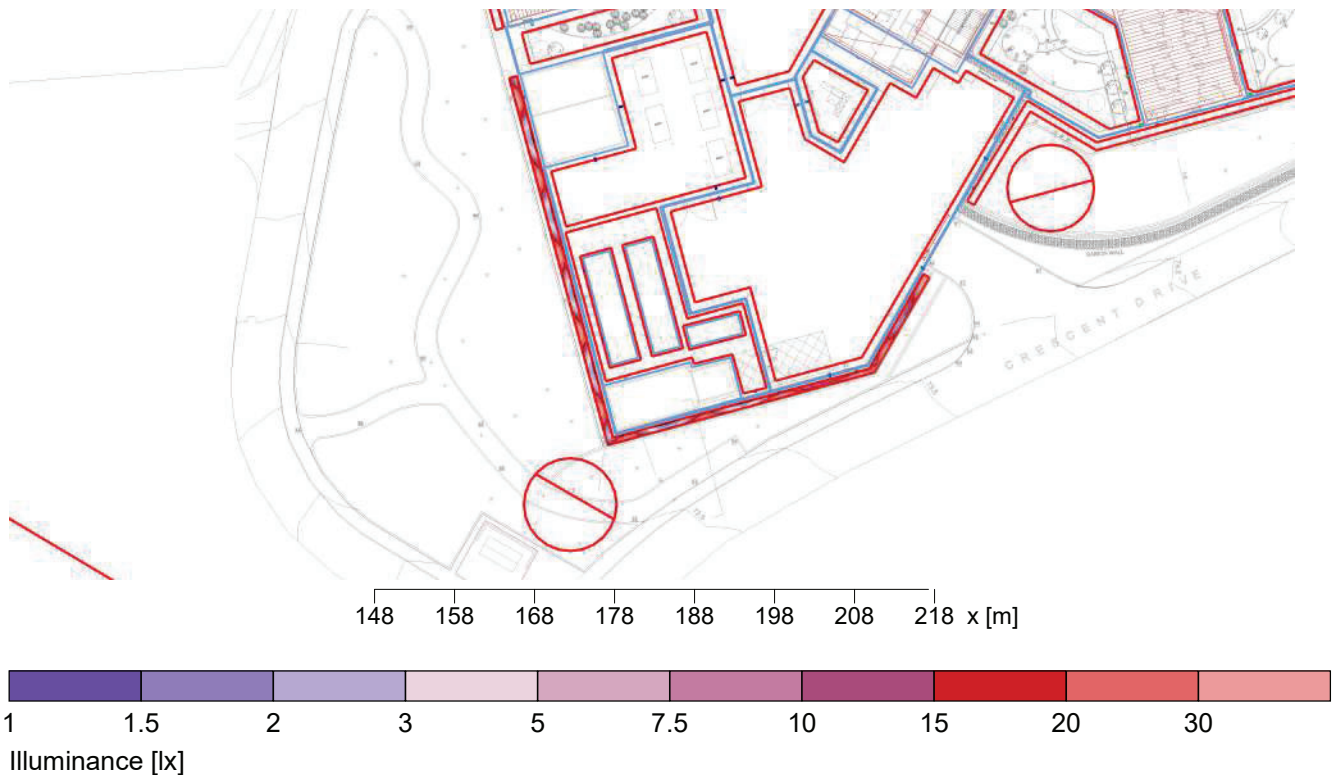
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.22 Result overview, Maintenance Only Garden 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.23 Result overview, Perimeter Path 1 5lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	1 lx
Maximum illuminance	E_{max}	50 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:14 (0.07)
Diversity U_d	E_{min}/E_{max}	1:42.9 (0.02)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

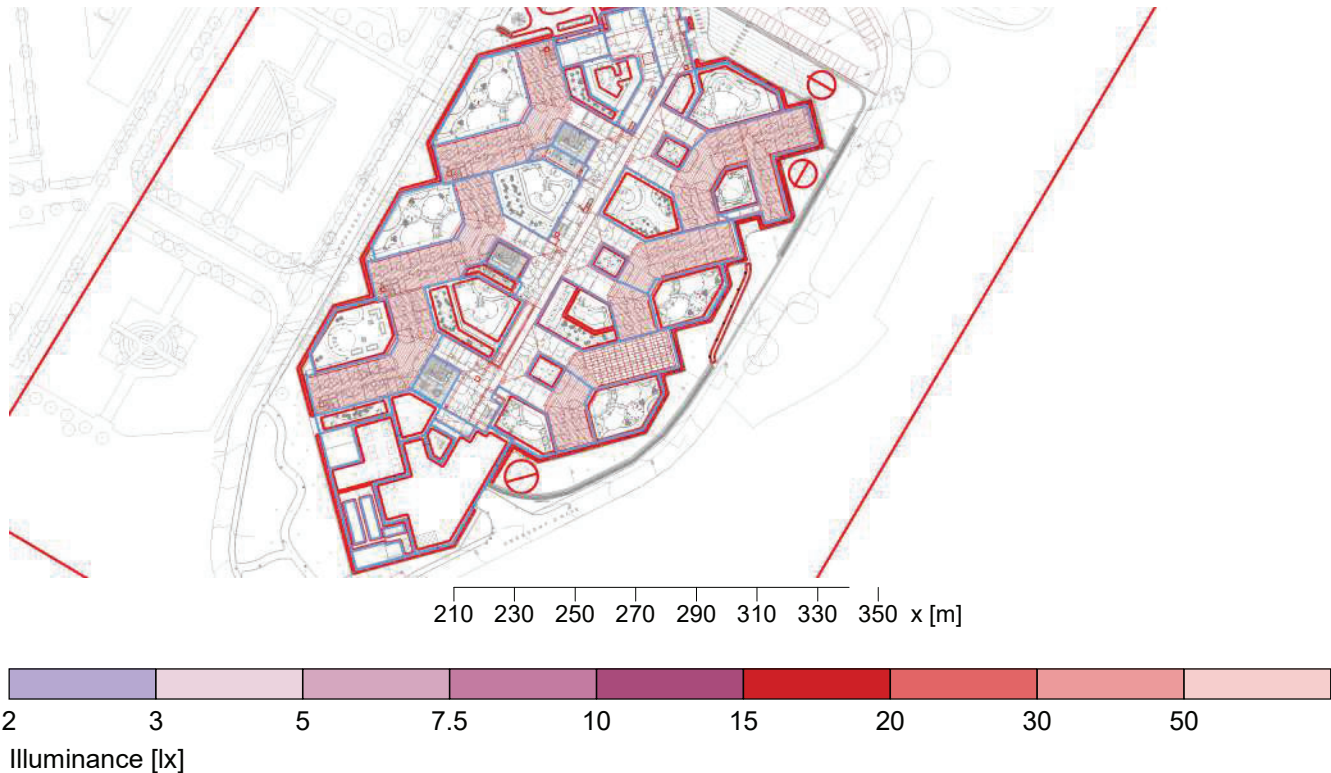
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.23 Result overview, Perimeter Path 1 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.24 Result overview, Perimeter Path 2 5lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	27 lx
Minimum illuminance	E_{min}	2 lx
Maximum illuminance	E_{max}	68 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:11.9 (0.08)
Diversity U_d	E_{min}/E_{max}	1:30.1 (0.03)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

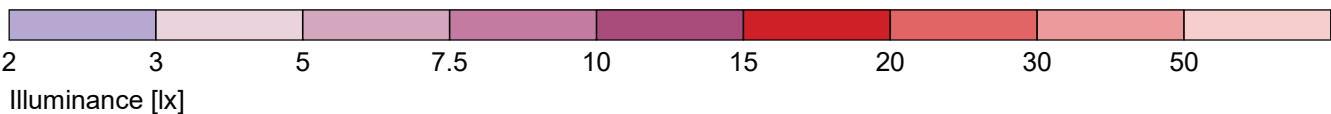
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.24 Result overview, Perimeter Path 2 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.25 Result overview, Perimeter Path 3 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	30 lx
Minimum illuminance	E_{min}	2 lx
Maximum illuminance	E_{max}	59 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:12.8 (0.08)
Diversity U_d	E_{min}/E_{max}	1:25.4 (0.04)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

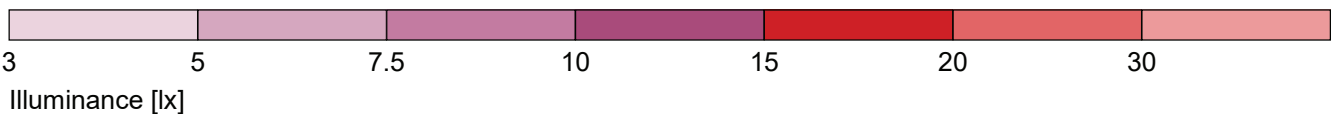
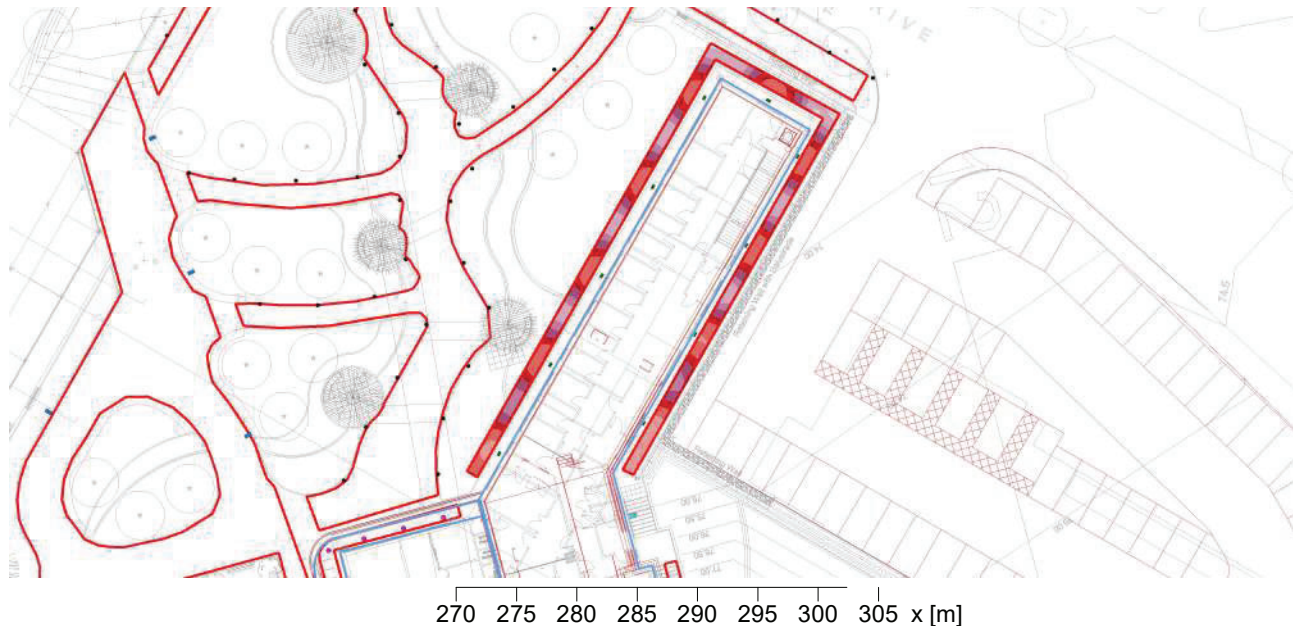
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.25 Result overview, Perimeter Path 3 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.26 Result overview, Perimeter Path 4 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	5 lx
Maximum illuminance	E_{max}	41 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.34 (0.3)
Diversity U_d	E_{min}/E_{max}	1:8.55 (0.12)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

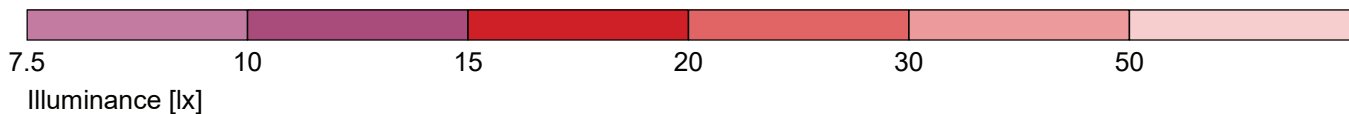
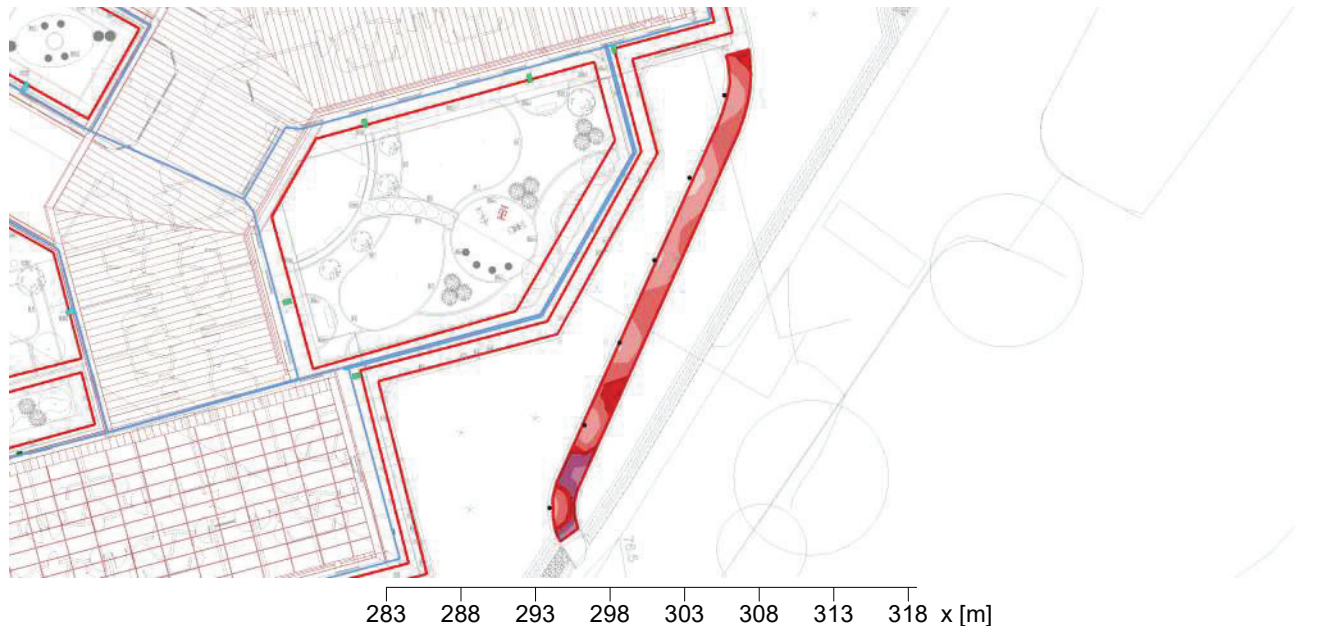
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.26 Result overview, Perimeter Path 4 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.27 Result overview, Secondary Walkway 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan

Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	28 lx
Minimum illuminance	E_{min}	9 lx
Maximum illuminance	E_{max}	65 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.3 (0.3)
Diversity U_d	E_{min}/E_{max}	1:7.54 (0.13)

Type No. Make

Whitecroft Lighting	
1	2 x
	Order No. : AXLH214K Luminaire name : ACL EXTREME Equipment : 1 x LED 19 W / 2023.1 lm Maintenance factor: 0.68
2	20 x
	Order No. : EFLH24KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 81 W / 8528 lm Maintenance factor: 0.81

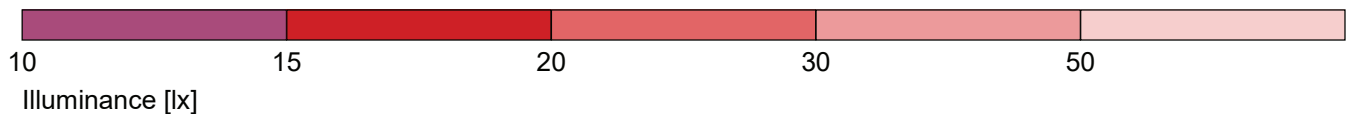
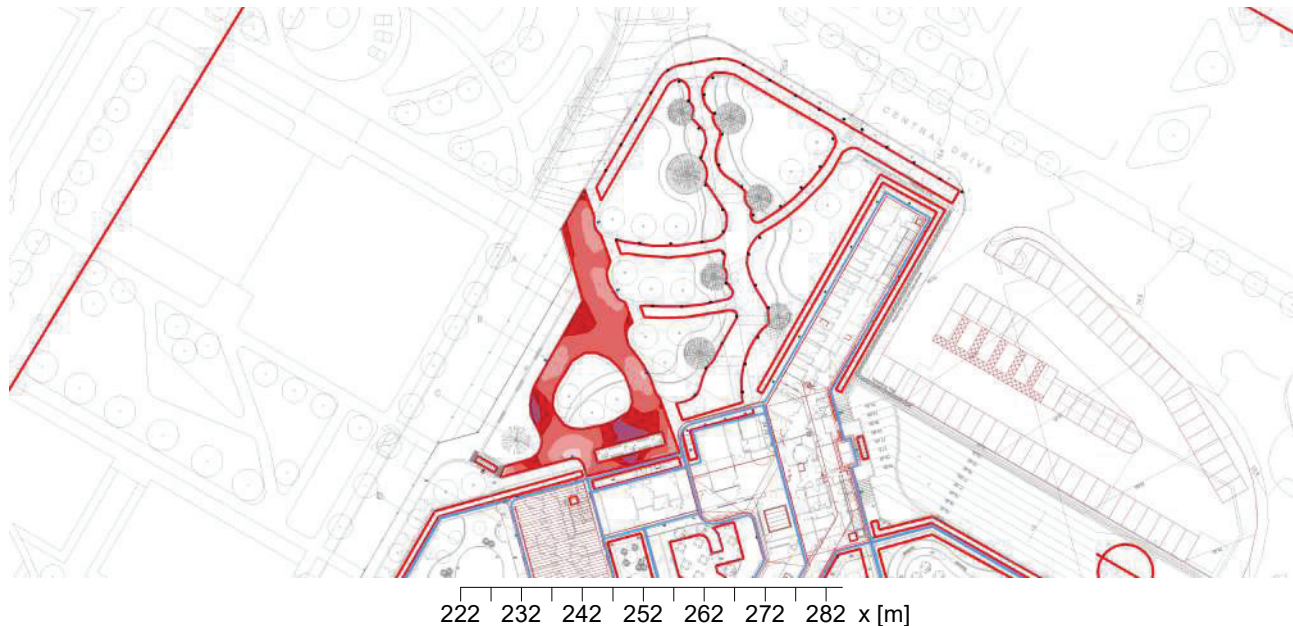
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.27 Result overview, Secondary Walkway 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.28 Result overview, Roadway 10lx 0.4Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	26 lx
Minimum illuminance	E_{min}	13 lx
Maximum illuminance	E_{max}	59 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.06 (0.48)
Diversity U_d	E_{min}/E_{max}	1:4.62 (0.22)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

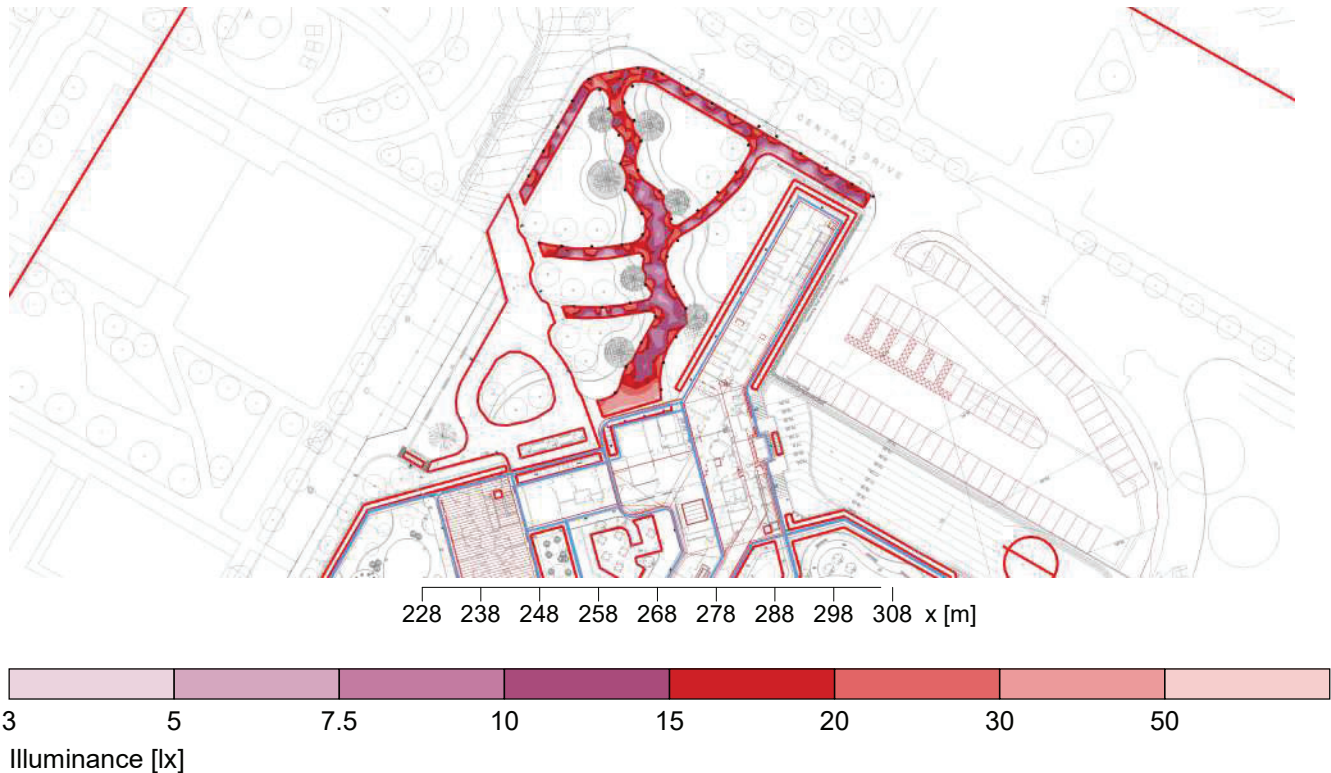
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.28 Result overview, Roadway 10lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.29 Result overview, Pedestrian Walkways 5lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	16 lx
Minimum illuminance	E_{min}	4 lx
Maximum illuminance	E_{max}	54 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.81 (0.26)
Diversity U_d	E_{min}/E_{max}	1:12.6 (0.08)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

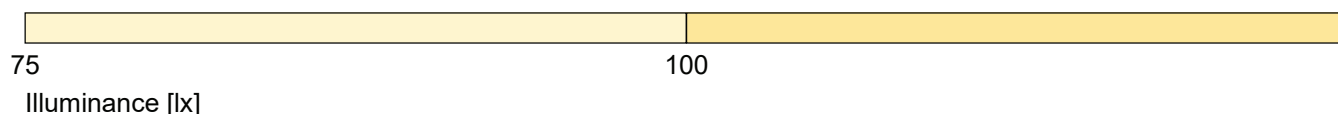
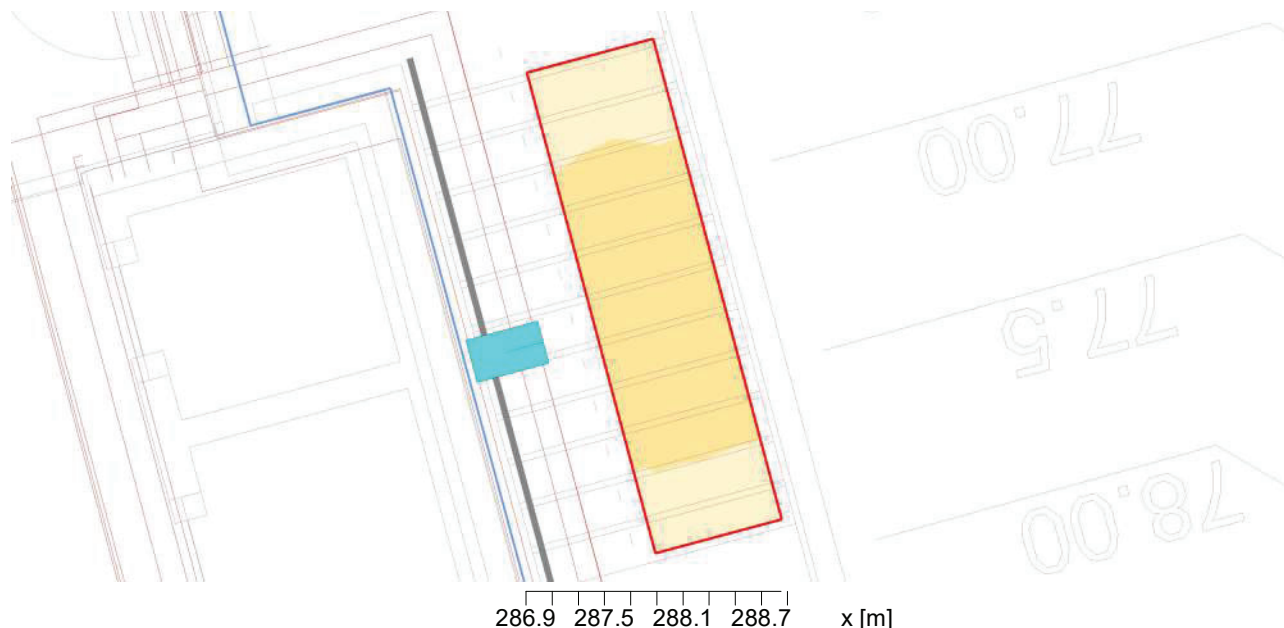
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.29 Result overview, Pedestrian Walkways 5lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.30 Result overview, Steps 1 100lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	101 lx
Minimum illuminance	E_{min}	98 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.04 (0.96)
Diversity U_d	E_{min}/E_{max}	1:1.08 (0.93)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

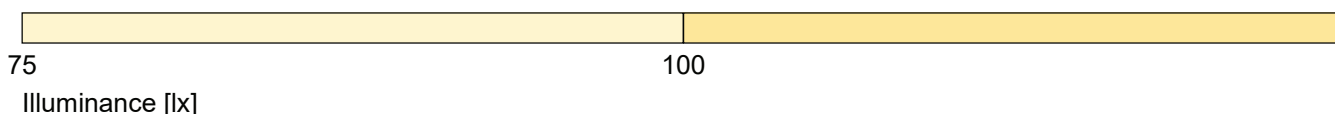
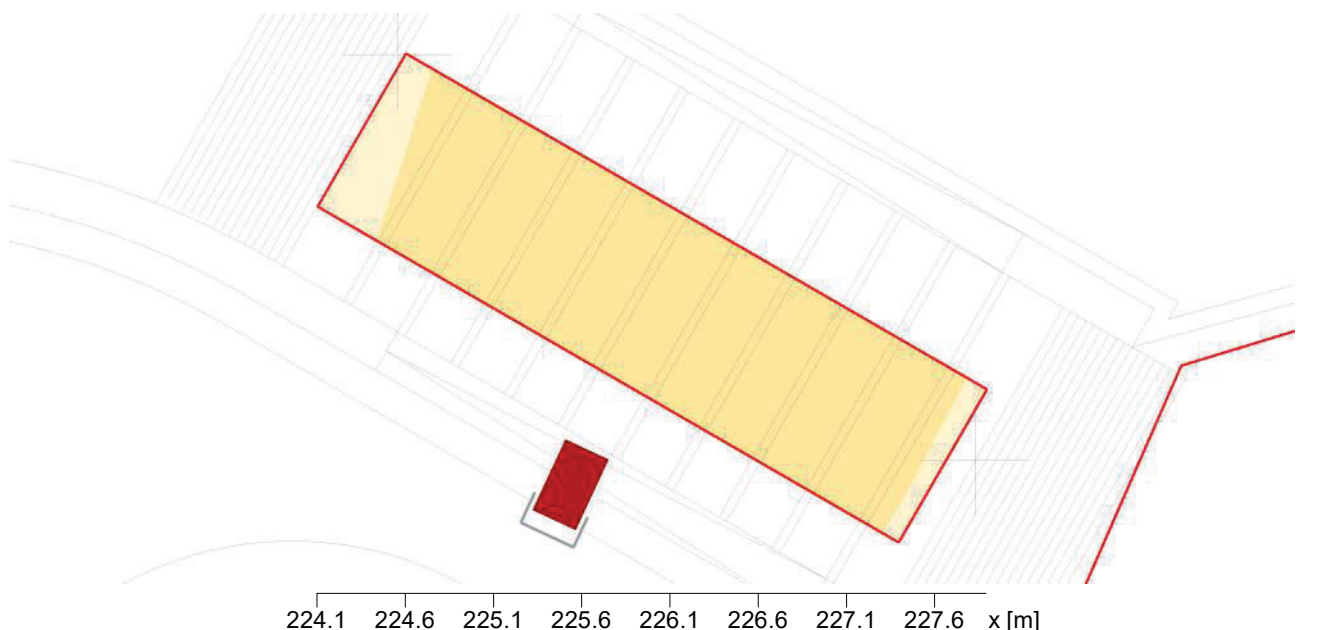
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.30 Result overview, Steps 1 100lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.31 Result overview, Steps 2 100lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	123 lx
Minimum illuminance	E_{min}	97 lx
Maximum illuminance	E_{max}	141 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.27 (0.79)
Diversity U_d	E_{min}/E_{max}	1:1.45 (0.69)

Type No.\Make

Whitecroft Lighting

1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68

2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

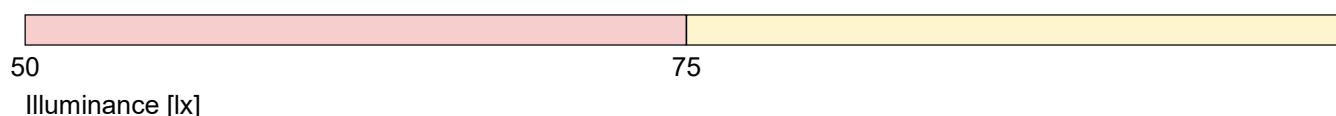
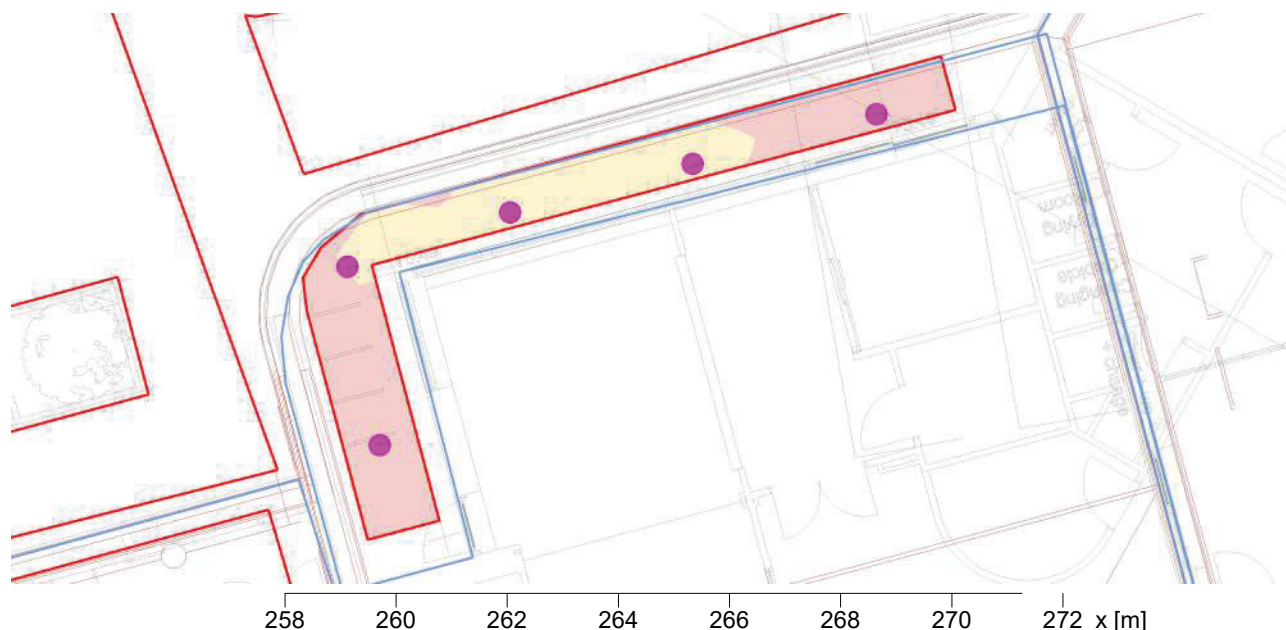
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.31 Result overview, Steps 2 100lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.32 Result overview, Entrance Canopy 75lx 0.4Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	71 lx
Minimum illuminance	E_{min}	54 lx
Maximum illuminance	E_{max}	81 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.31 (0.76)
Diversity U_d	E_{min}/E_{max}	1:1.49 (0.67)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

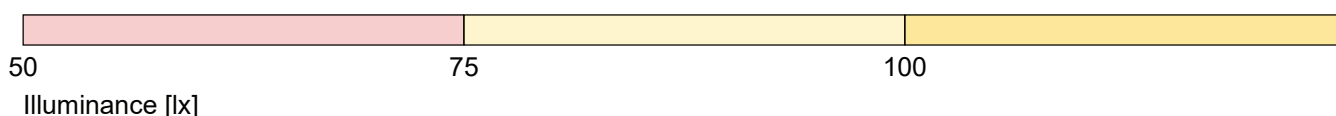
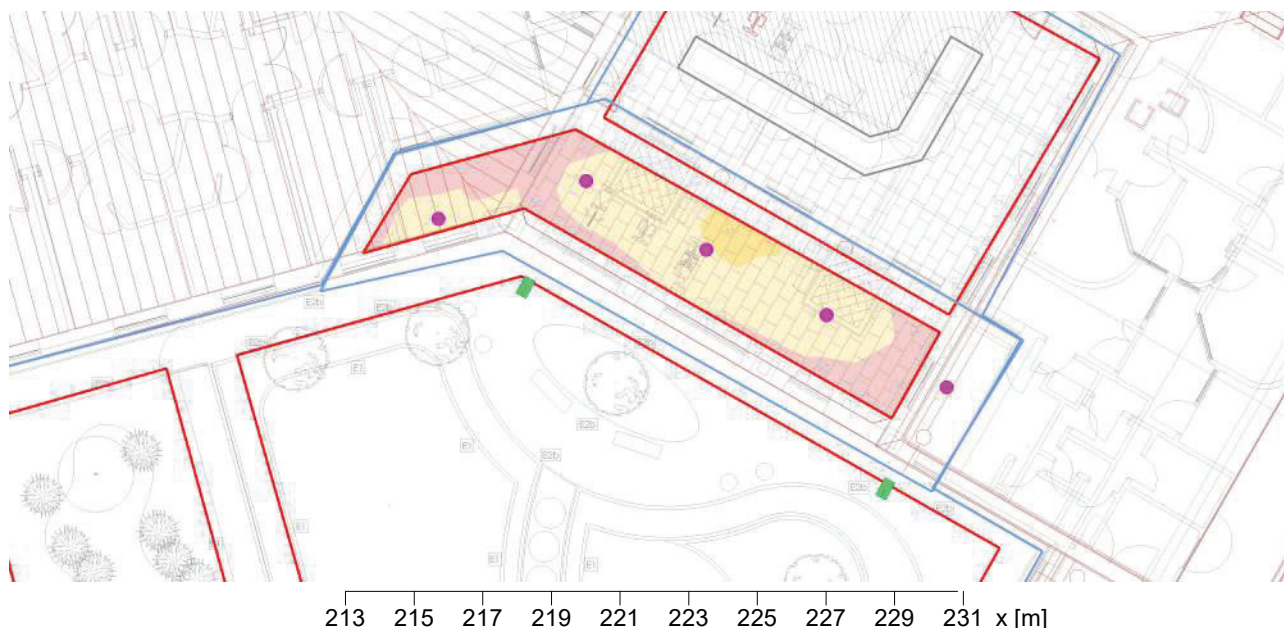
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.32 Result overview, Entrance Canopy 75lx 0.4Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.33 Result overview, Service User Garden Overhang 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	83 lx
Minimum illuminance	E_{min}	59 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.4 (0.71)
Diversity U_d	E_{min}/E_{max}	1:1.77 (0.56)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

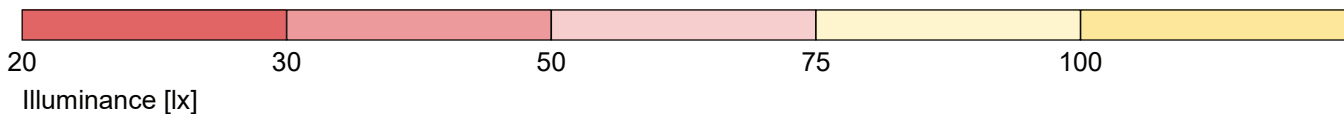
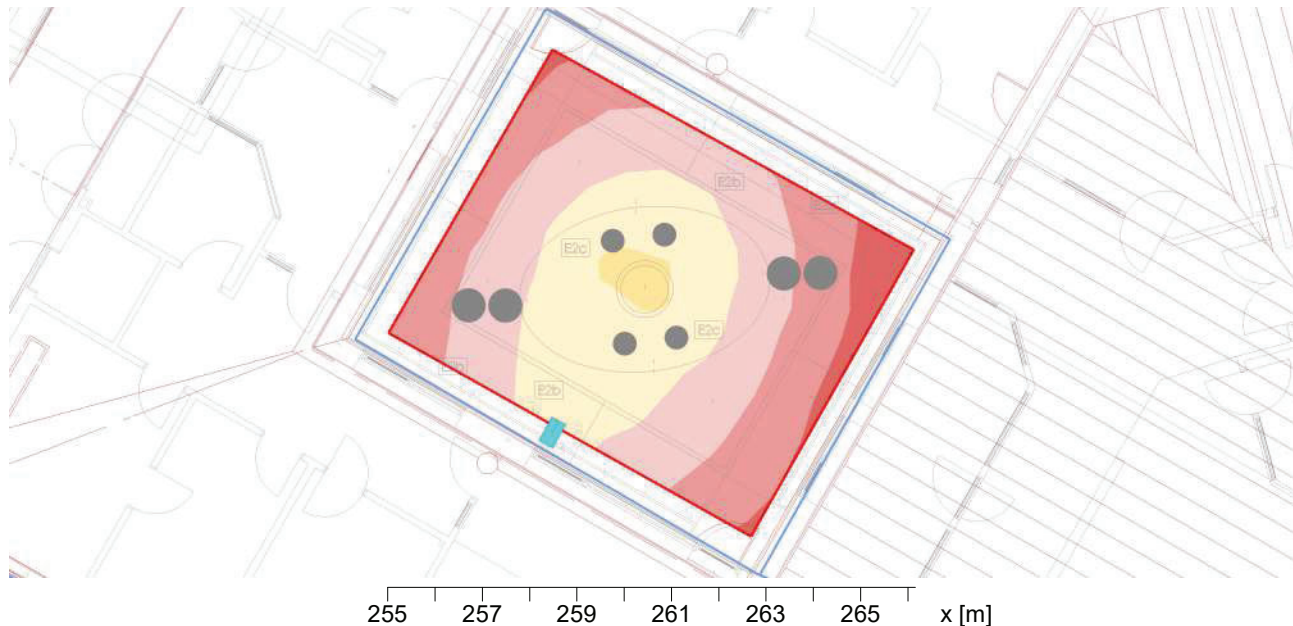
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.33 Result overview, Service User Garden Overhang 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.34 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	64 lx
Minimum illuminance	E_{min}	29 lx
Maximum illuminance	E_{max}	107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.22 (0.45)
Diversity U_d	E_{min}/E_{max}	1:3.67 (0.27)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

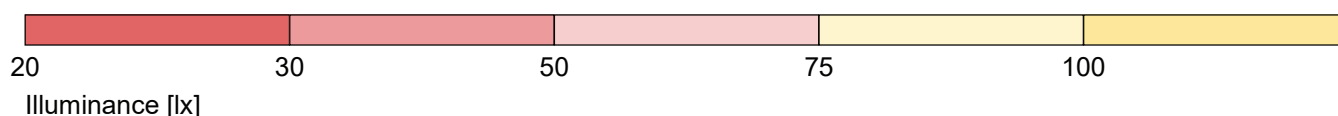
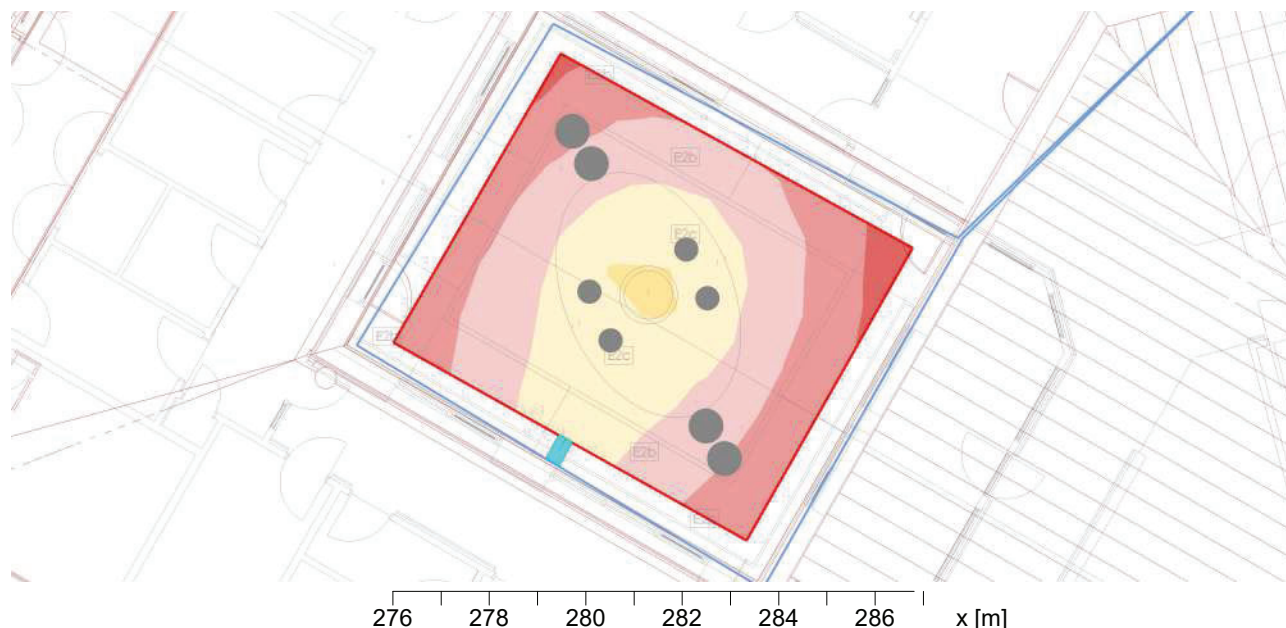
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.34 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.35 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.69 m²)

950126.2 lm
 9238 W
 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	65 lx
Minimum illuminance	E_{min}	28 lx
Maximum illuminance	E_{max}	107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.29 (0.44)
Diversity U_d	E_{min}/E_{max}	1:3.77 (0.27)

Type No. Make

Whitecroft Lighting

1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68

2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

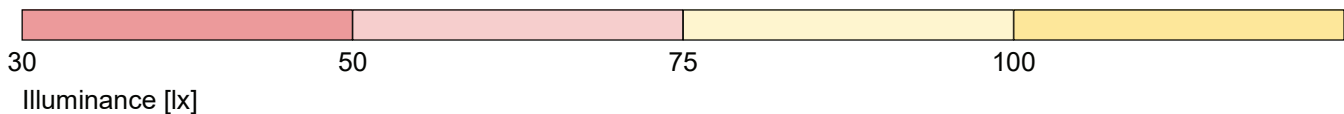
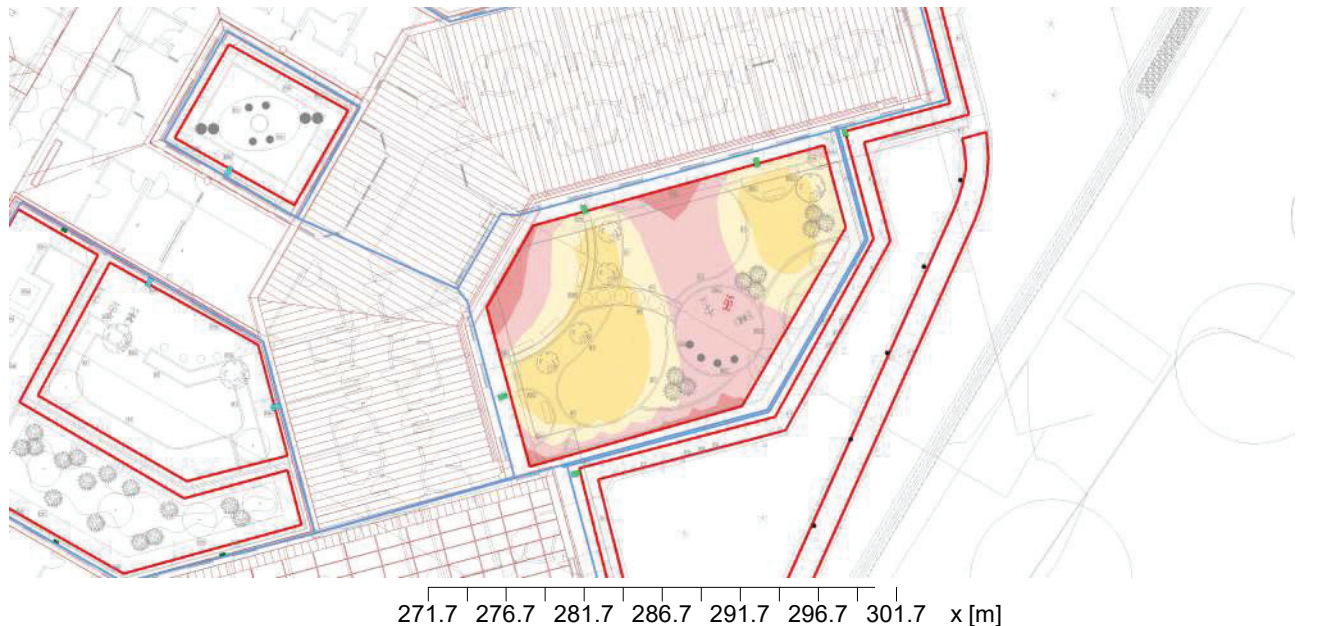
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.35 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.36 Result overview, Service User Garden 50lx 0.25Uo



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	86 lx
Minimum illuminance	E_{min}	36 lx
Maximum illuminance	E_{max}	136 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.4 (0.42)
Diversity U_d	E_{min}/E_{max}	1:3.8 (0.26)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

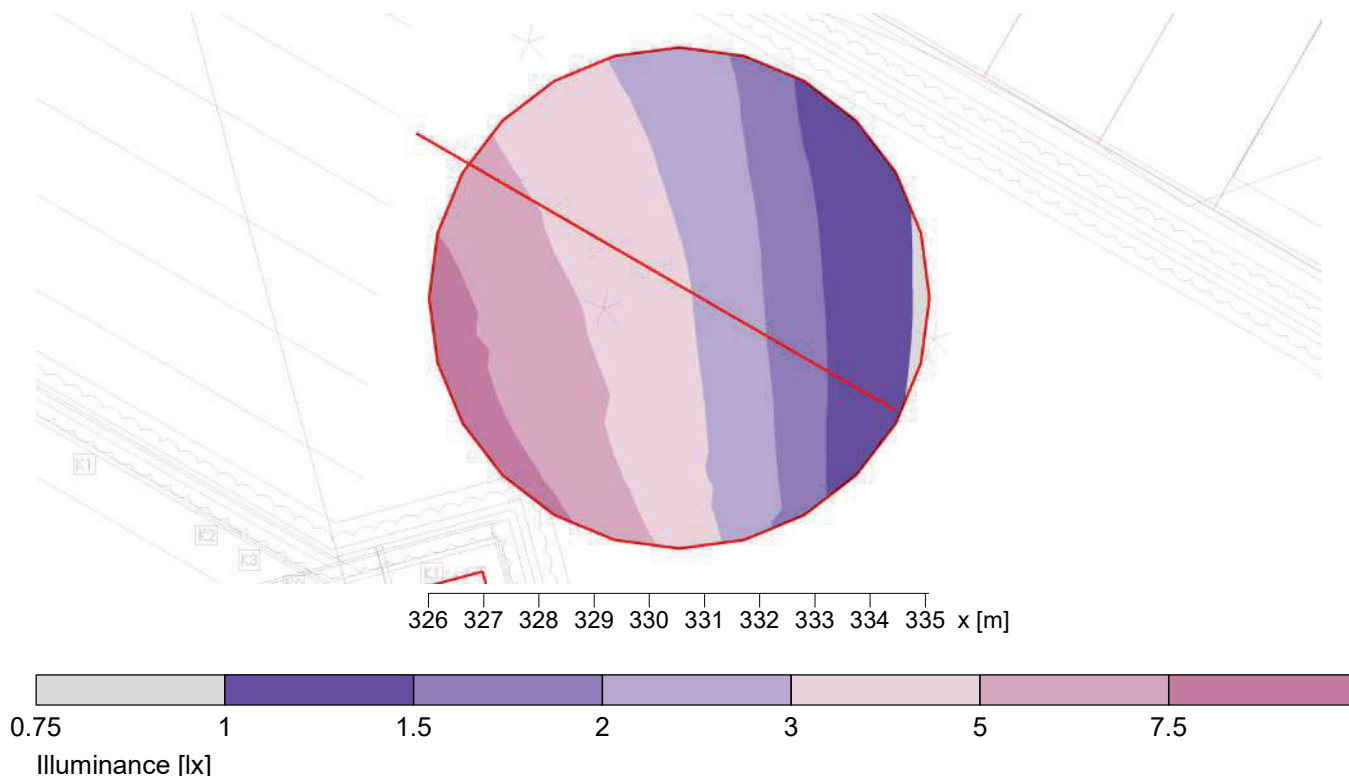
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.36 Result overview, Service User Garden 50lx 0.25Uo

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.37 Result overview, BAT BOX AREA (1)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	4 lx
Minimum illuminance	E_{min}	1.0 lx
Maximum illuminance	E_{max}	9 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.66 (0.27)
Diversity U_d	E_{min}/E_{max}	1:9.21 (0.11)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

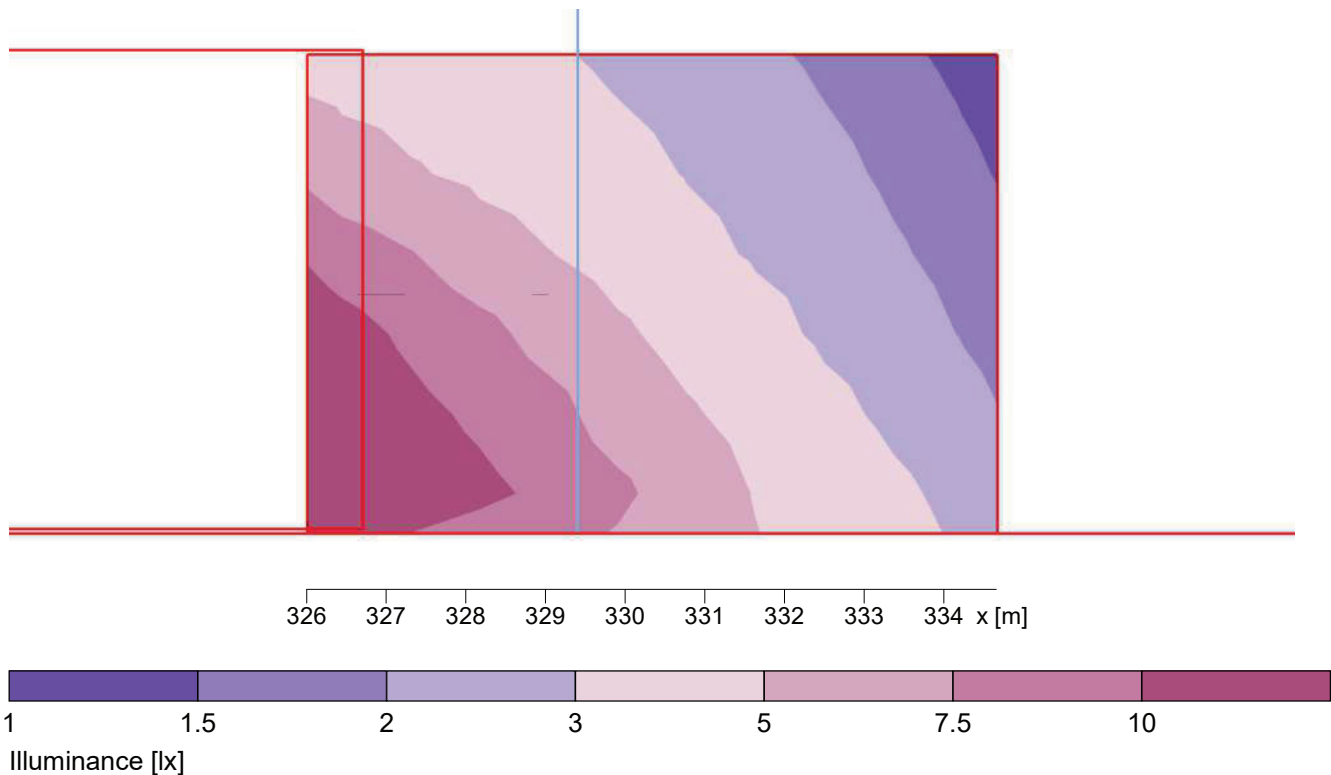
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.37 Result overview, BAT BOX AREA (1)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.38 Result overview, BAT BOX AREA (1) VERTICAL



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	5 lx
Minimum illuminance	E_{min}	1 lx
Maximum illuminance	E_{max}	12 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.44 (0.29)
Diversity U_d	E_{min}/E_{max}	1:8.42 (0.12)

Type No. Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

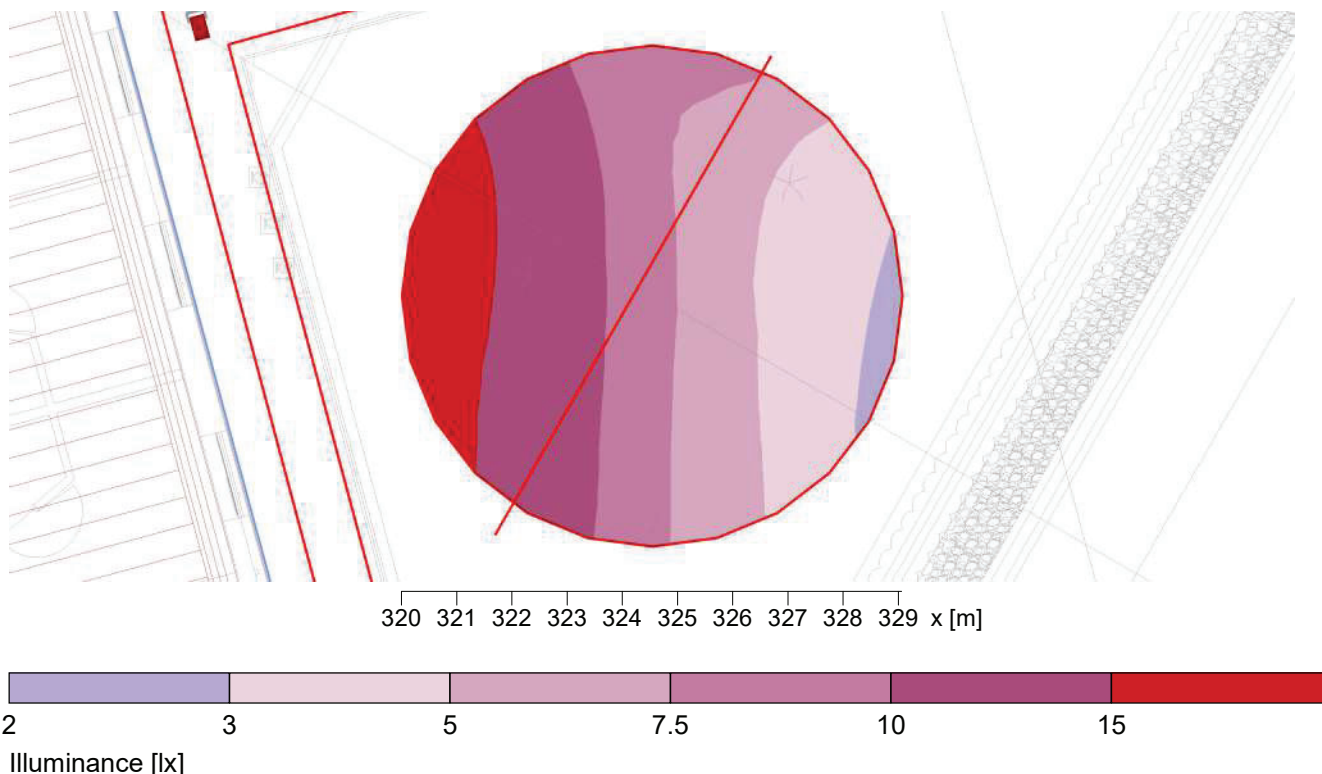
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.38 Result overview, BAT BOX AREA (1) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.39 Result overview, BAT BOX AREA (2)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	9 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	20 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.33 (0.3)
Diversity U_d	E_{min}/E_{max}	1:7.4 (0.14)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

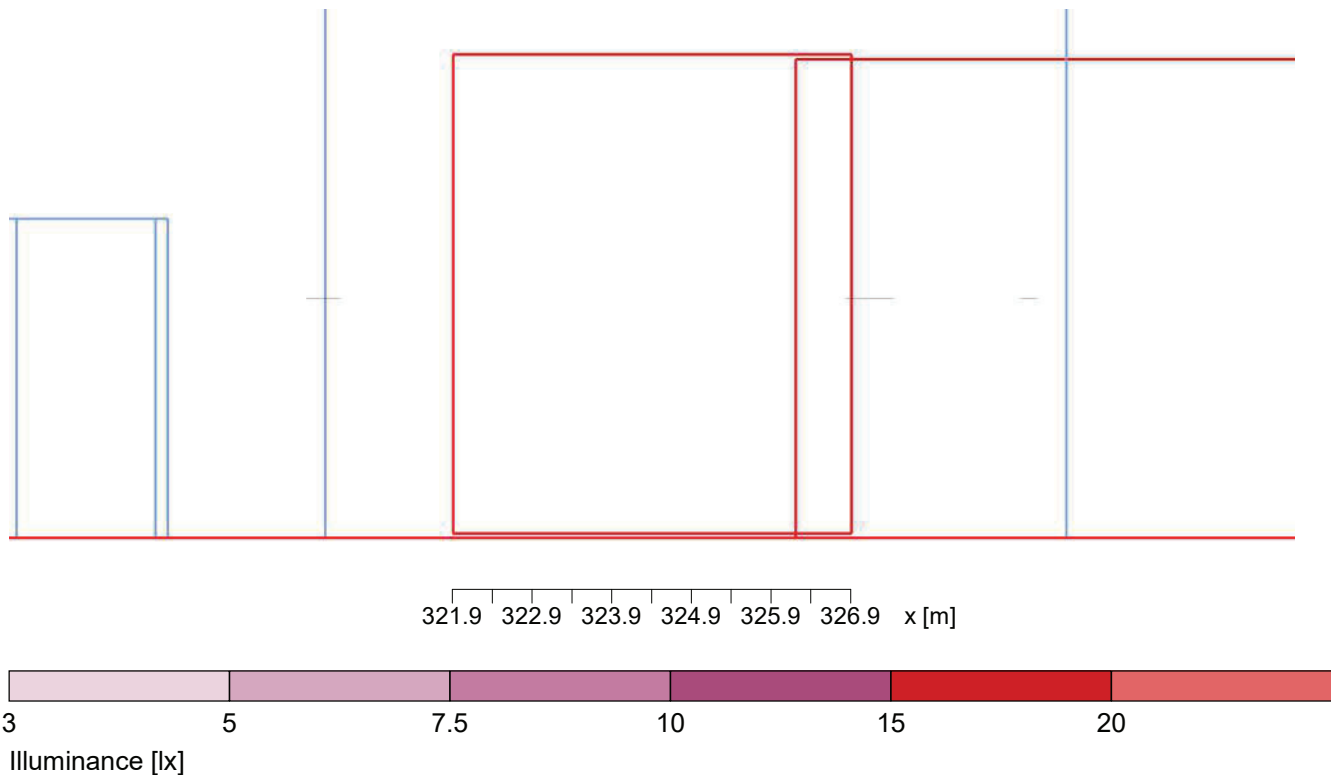
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.39 Result overview, BAT BOX AREA (2)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.40 Result overview, BAT BOX AREA (2) VERTICAL



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	13 lx
Minimum illuminance	E_{min}	3 lx
Maximum illuminance	E_{max}	27 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.21 (0.24)
Diversity U_d	E_{min}/E_{max}	1:8.82 (0.11)

Type No.\Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

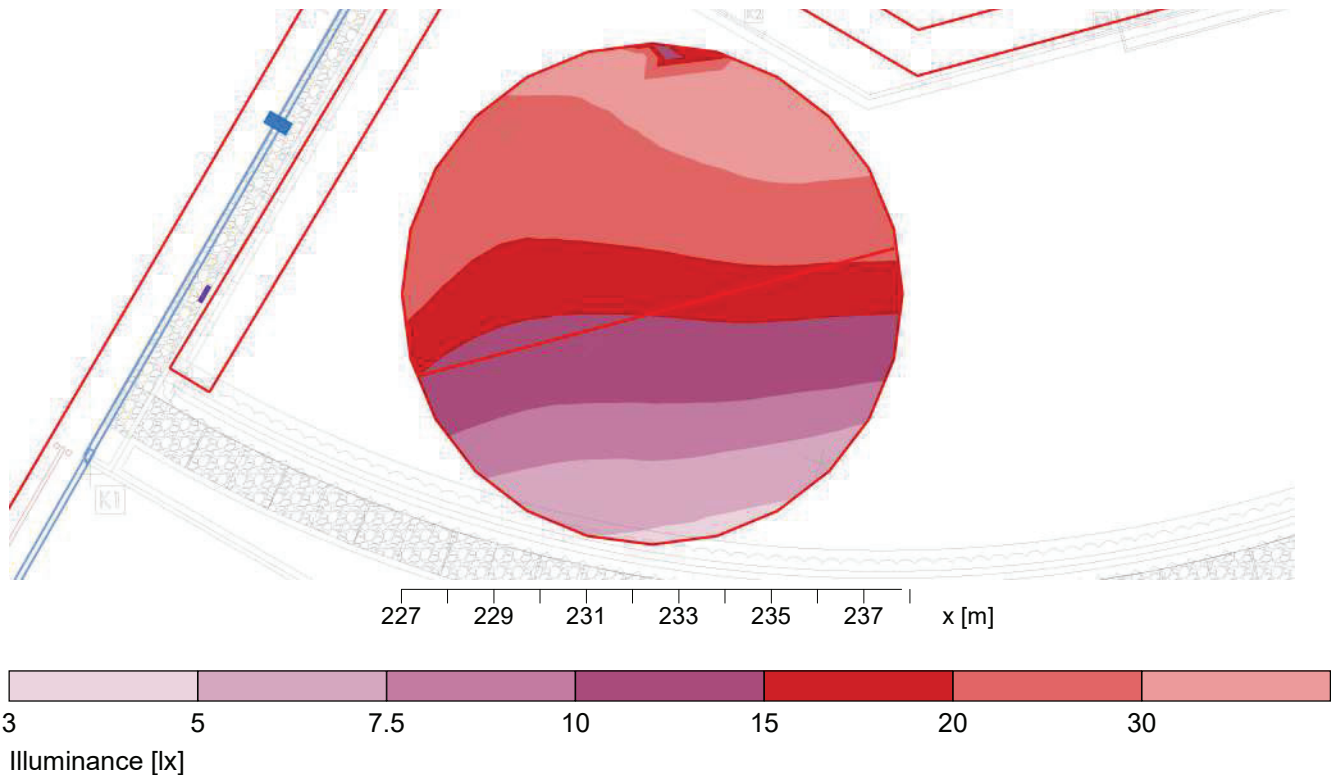
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.40 Result overview, BAT BOX AREA (2) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.41 Result overview, BAT BOX AREA (3)



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	see luminaires / maintenance plan
Total luminous flux	950126.2 lm
Total power	9238 W
Total power per area (89790.69 m ²)	0.10 W/m ²

Illuminance

Average illuminance	$\bar{E}_m$	18 lx
Minimum illuminance	E_{min}	4 lx
Maximum illuminance	E_{max}	47 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.11 (0.24)
Diversity U_d	E_{min}/E_{max}	1:10.5 (0.09)

Type No.\Make

Whitecroft Lighting		
1	2 x	Order No. : AXLH214K
		Luminaire name : ACL EXTREME
		Equipment : 1 x LED 19 W / 2023.1 lm
		Maintenance factor: 0.68
2	20 x	Order No. : EFLH24KG
		Luminaire name : EUROFLOOD MIDI LED
		Equipment : 1 x LED 81 W / 8528 lm
		Maintenance factor: 0.81

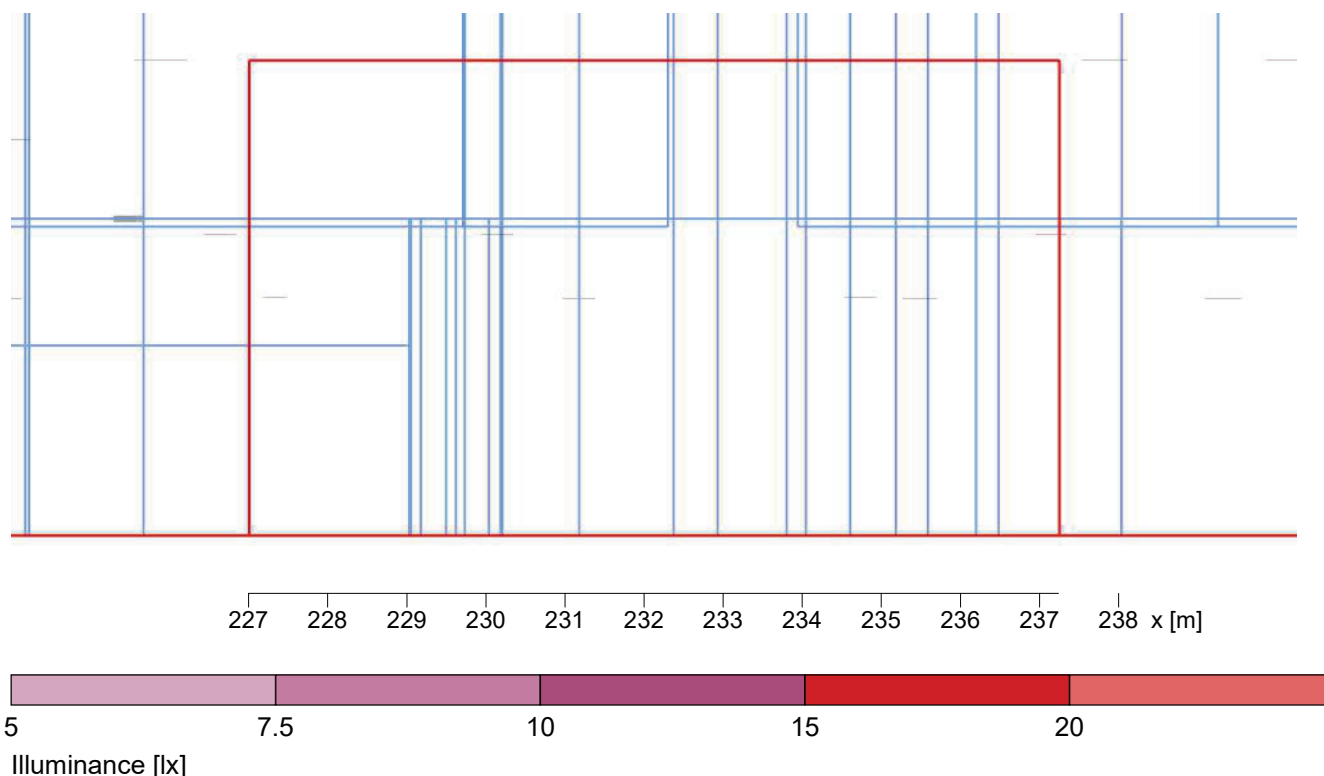
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.41 Result overview, BAT BOX AREA (3)

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.42 Result overview, BAT BOX AREA (3) VERTICAL



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	13 lx
Minimum illuminance	E_{min}	6 lx
Maximum illuminance	E_{max}	22 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.19 (0.46)
Diversity U_d	E_{min}/E_{max}	1:3.66 (0.27)

Type No. Make

Whitecroft Lighting	
1 2 x	Order No. : AXLH214K
	Luminaire name : ACL EXTREME
	Equipment : 1 x LED 19 W / 2023.1 lm
	Maintenance factor: 0.68
2 20 x	Order No. : EFLH24KG
	Luminaire name : EUROWFLOOD MIDI LED
	Equipment : 1 x LED 81 W / 8528 lm
	Maintenance factor: 0.81

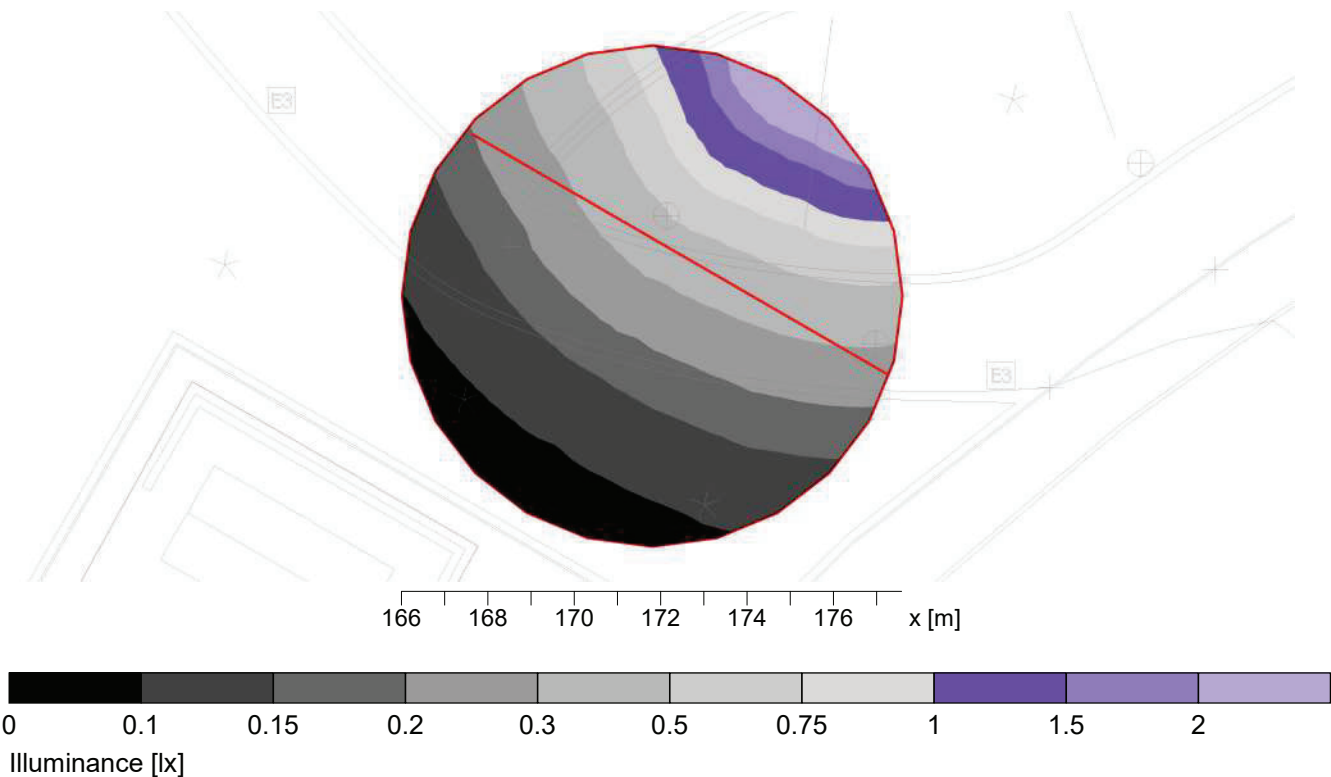
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.42 Result overview, BAT BOX AREA (3) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.43 Result overview, BAT BOX AREA (4)



General

Calculation algorithm used
 Height of evaluation surface
 Maintenance factor

Average indirect fraction
 0.00 m
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.4 lx
Minimum illuminance	E_{min}	0.1 lx
Maximum illuminance	E_{max}	3 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:5.39 (0.19)
Diversity U_d	E_{min}/E_{max}	1:38.5 (0.03)

Type No. Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

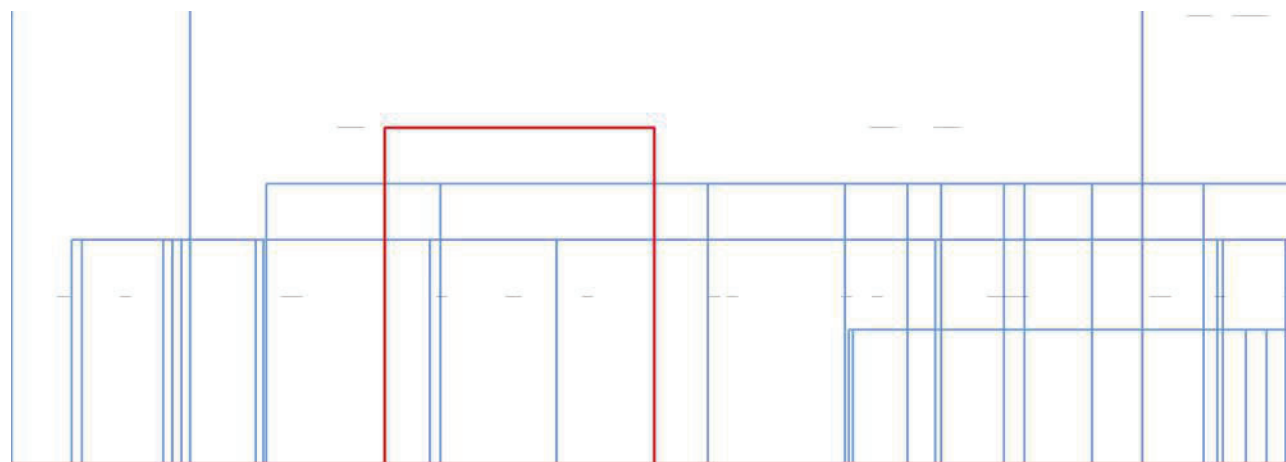
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.43 Result overview, BAT BOX AREA (4)

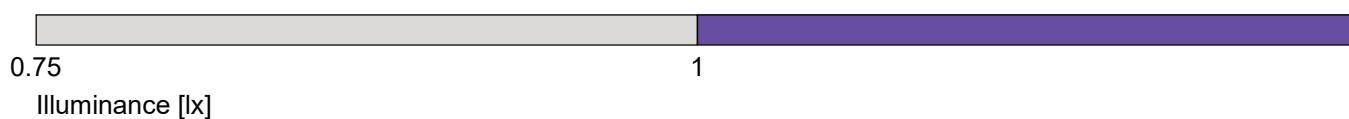
3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.44 Result overview, BAT BOX AREA (4) VERTICAL



168 169 170 171 172 173 174 175 176 177 178 x [m]



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux 950126.2 lm
 Total power 9238 W
 Total power per area (89790.69 m²) 0.10 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	1 lx
Minimum illuminance	E_{min}	0.9 lx
Maximum illuminance	E_{max}	1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.31 (0.76)
Diversity U_d	E_{min}/E_{max}	1:1.71 (0.59)

Type No.\Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

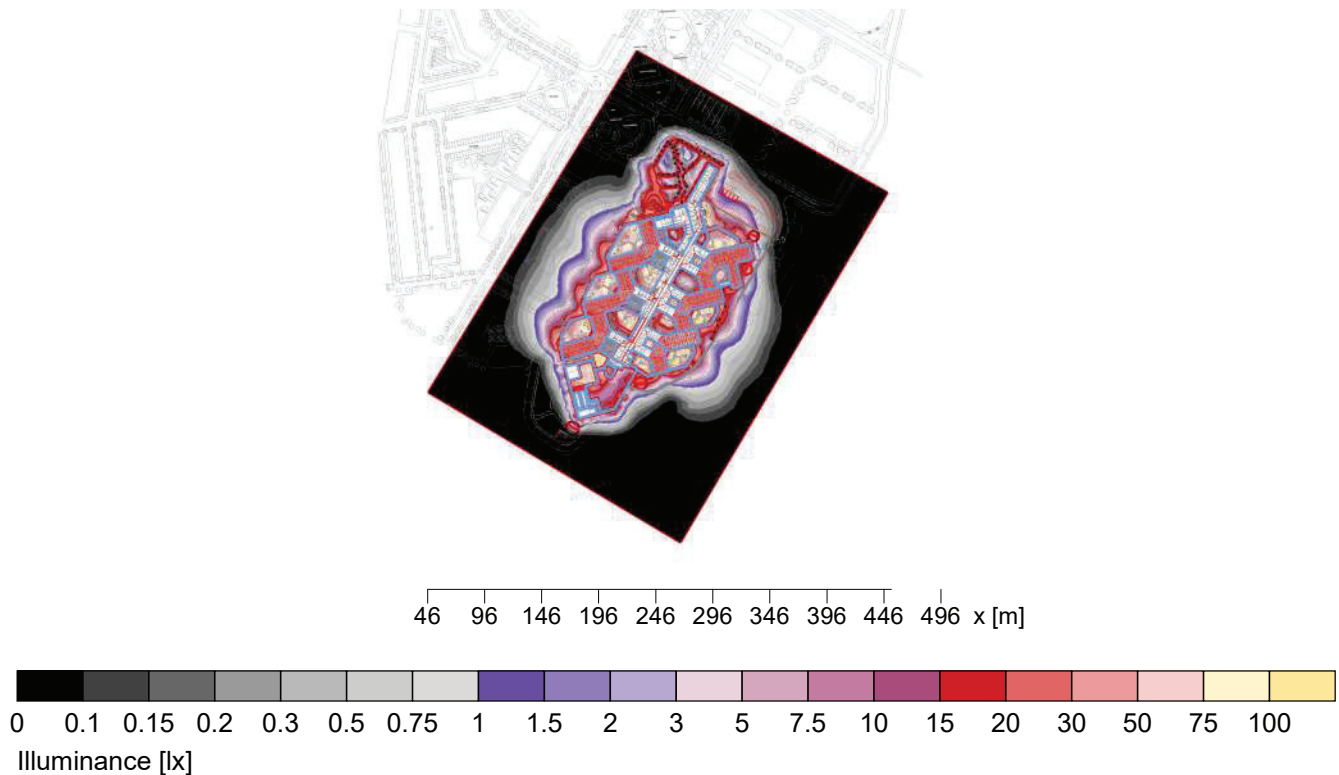
4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.44 Result overview, BAT BOX AREA (4) VERTICAL

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.45 Result overview, Overall



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 see luminaires / maintenance plan

Total luminous flux
 Total power
 Total power per area (89790.67 m²)

950126.19 lm
 9238.0 W
 0.10 W/m² (1.46 W/m²/100lx)

Overall

Reference plane 1.1

Horizontal
 $\bar{E}_m$ 7 lx
 E_{min} 0.0 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.00
 $E_{min}/E_{max} (U_d)$ 0.00
 Position 0.00 m

Type No.\Make

Whitecroft Lighting

1 2 x
 Order No. : AXLH214K
 Luminaire name : ACL EXTREME
 Equipment : 1 x LED 19 W / 2023.1 lm
 Maintenance factor: 0.68

2 20 x
 Order No. : EFLH24KG
 Luminaire name : EUROFLOOD MIDI LED
 Equipment : 1 x LED 81 W / 8528 lm
 Maintenance factor: 0.81

4.2 Summary, 5lx Perimeter - Kolo Hood

4.2.45 Result overview, Overall

3	40 x		Order No. : EFLH34KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 121 W / 12452 lm Maintenance factor: 0.81
4	41 x		Order No. : SPXAH14K Luminaire name : SPECTRE WX Equipment : 1 x LED 14 W / 1119 lm Maintenance factor: 0.62
5	15 x		Order No. : K6H4204KS Luminaire name : KOLO IP65 Equipment : 1 x LED 18 W / 2359 lm Emergency : 400 lm (17.0 %) Maintenance factor: 0.78
7	11 x		Order No. : SIMDH14KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 33 W / 4571 lm Maintenance factor: 0.85
8	5 x		Order No. : SIMDH24KGA Luminaire name : SIROCCO MIDI - AREA OPTIC Equipment : 1 x LED 67 W / 9141 lm Maintenance factor: 0.85
9	3 x		Order No. : EFLH14KG Luminaire name : EUROFLOOD MIDI LED Equipment : 1 x LED 52 W / 6030 lm Maintenance factor: 0.81
10	61 x		Order No. : BLY214KSRB Luminaire name : KOLO BOLLARD Equipment : 1 x LED 4 W / 404 lm Maintenance factor: 0.79
12	57 x		Order No. : K6H44KHB Luminaire name : KOLO IP65 HOOD Equipment : 1 x LED 14 W / 1008 lm Emergency : 200 lm (19.8 %) Maintenance factor: 0.68