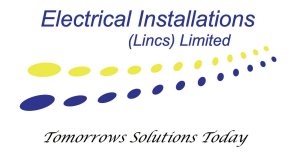


Date:
07/11/2017



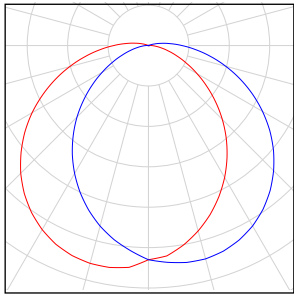
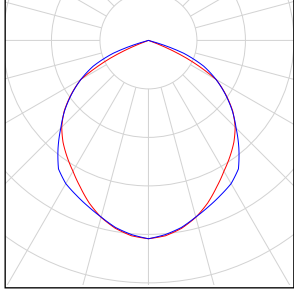
ABATTOIRS ROAD

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ABATTOIRS ROAD

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ABATTOIRS ROAD

Quantity	Luminaire (Luminous emittance)		
14	ANSELL - AVILED/HP/GR+Sld_Eyld AMENITY - Vision 3 LED Graphite Luminous emittance 1 Fitting: 1x Light output ratio: 32.32% Lamp luminous flux: 3654 lm Luminaire luminous flux: 1181 lm Power: 31.0 W Luminous efficacy: 38.1 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	
3	Tamlite Lighting - XCFL80NW XCITE Luminous emittance 1 Fitting: 1xLED Light output ratio: 99.85% Lamp luminous flux: 11400 lm Luminaire luminous flux: 11383 lm Power: 120.0 W Luminous efficacy: 94.9 lm/W Colourimetric data 1xLED: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 85356 lm, Total luminaire luminous flux: 50683 lm, Total Load: 794.0 W, Luminous efficacy: 63.8 lm/W

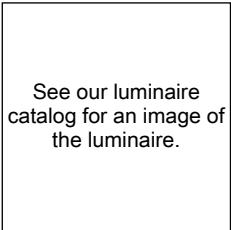
ABATTOIRS ROAD

No.	Control group	Luminaire
1	Control group 4	3 x TamLite Lighting - XCFL80NW XCITE
2	Control group 43	14 x ANSELL - AVILED/HP/GR+Sid_Eyld AMENITY - Vision 3 LED Graphite

Light scene 1

Control group	Dimming values	Control group	Dimming values
Control group 4	100%	Control group 43	100%

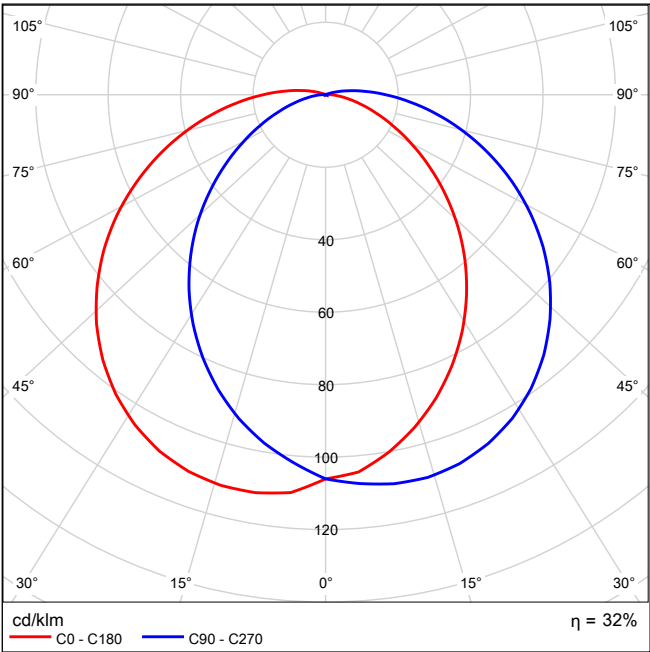
ANSELL AVILED/HP/GR+Sld_Eyld AMENITY - Vision 3 LED Graphite 1x



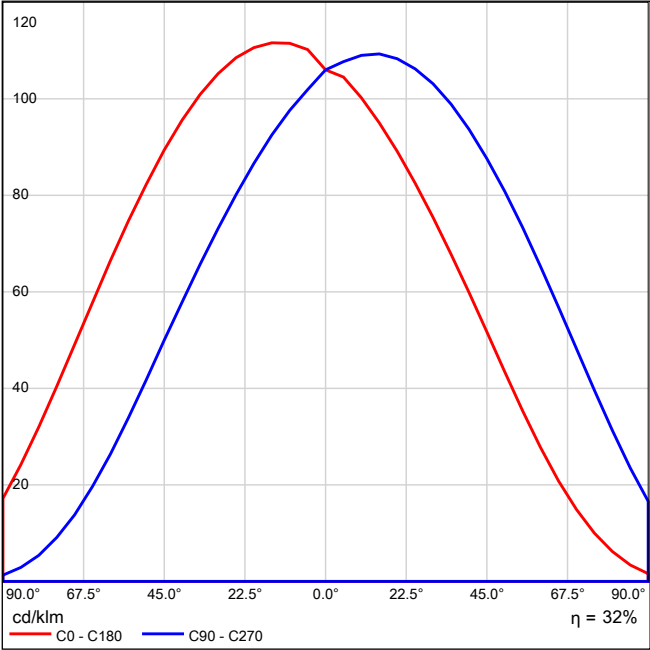
Light output ratio: 32.32%
Lamp luminous flux: 3654 lm
Luminaire luminous flux: 1181 lm
Power: 31.0 W
Luminous efficacy: 38.1 lm/W

Colourimetric data
1x: CCT 3000 K, CRI 100

Luminous emittance 1 / Polar LDC

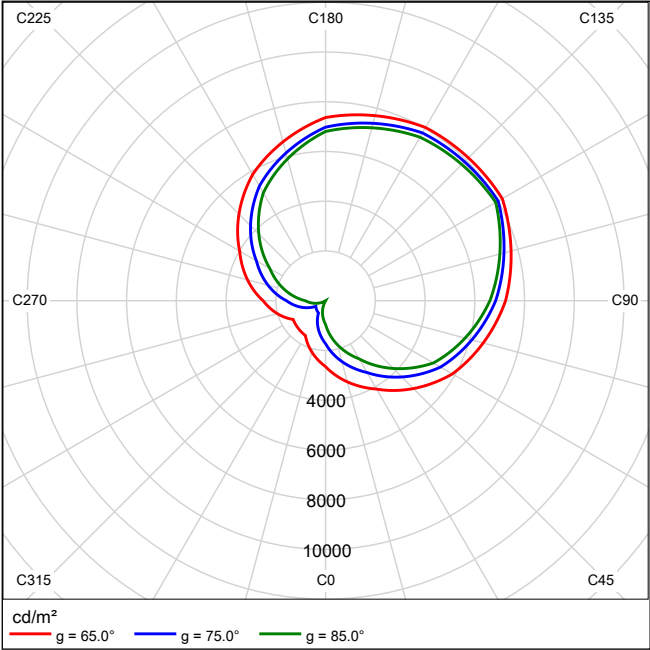


Luminous emittance 1 / Linear LDC



It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

Luminous emittance 1 / Luminance diagram



It is not possible to generate a UGR diagram, as the light distribution is asymmetrical.

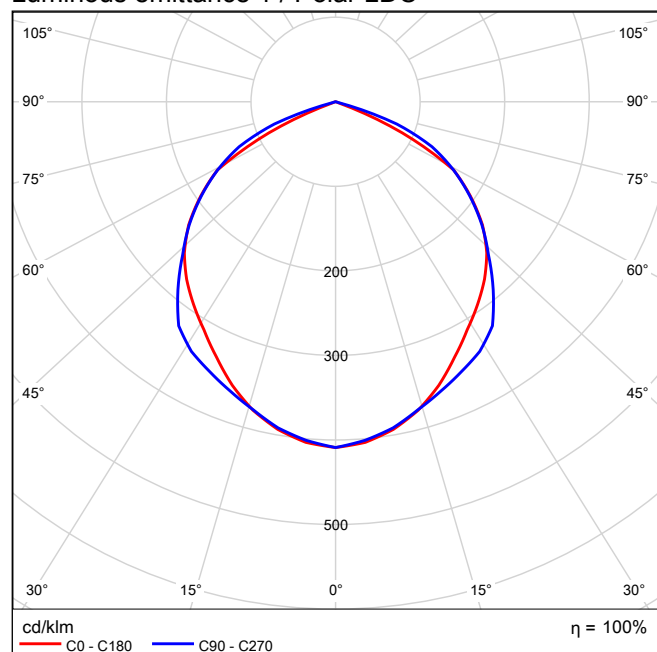
Tamlite Lighting XCFL80NW XCITE 1xLED

See our luminaire
catalog for an image of
the luminaire.

Light output ratio: 99.85%
Lamp luminous flux: 11400 lm
Luminaire luminous flux: 11383 lm
Power: 120.0 W
Luminous efficacy: 94.9 lm/W

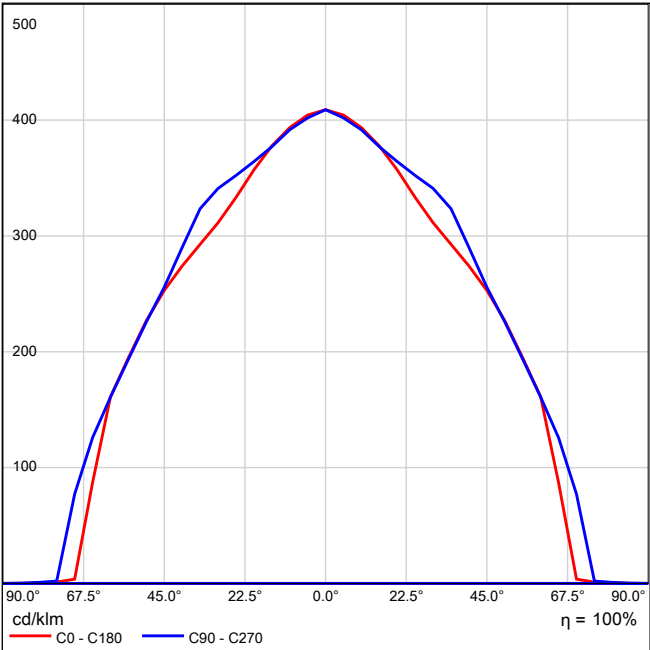
Colourimetric data
1xLED: CCT 3000 K, CRI 100

Luminous emittance 1 / Polar LDC

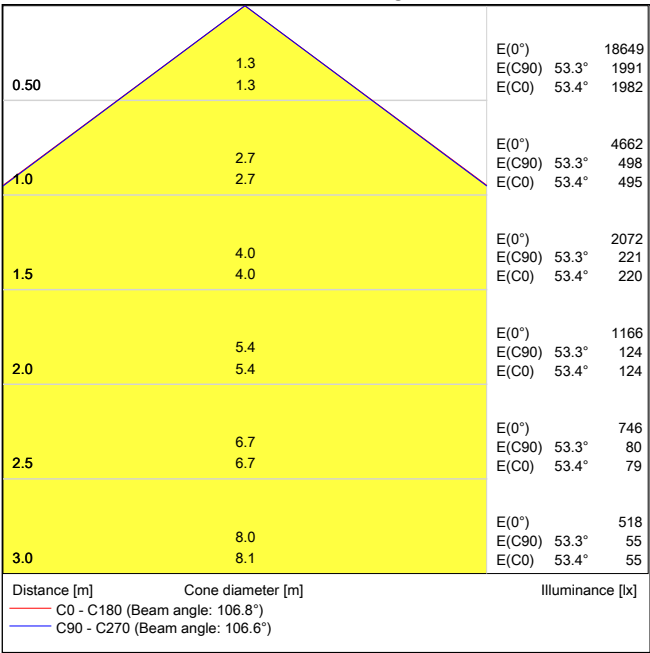


Site 1 / Tamlite Lighting XCFL80NW XCITE 1xLED / Tamlite Lighting - XCITE (1xLED)

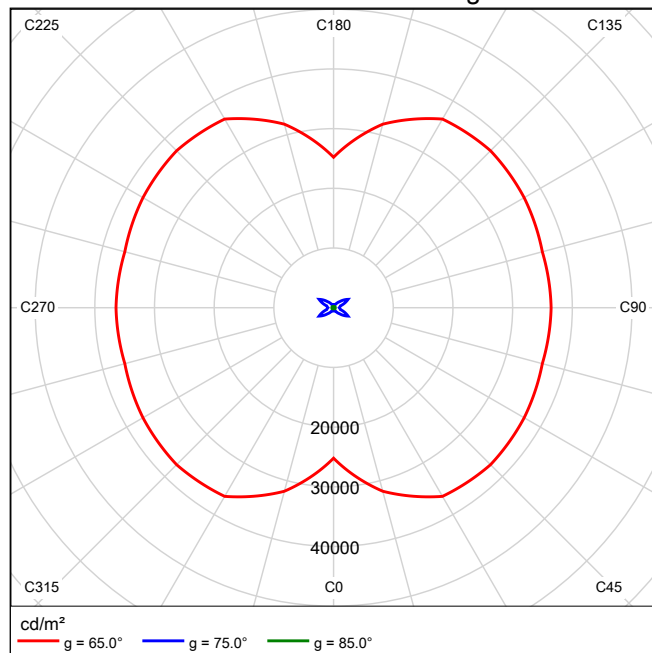
Luminous emittance 1 / Linear LDC



Luminous emittance 1 / Cone diagram



Luminous emittance 1 / Luminance diagram

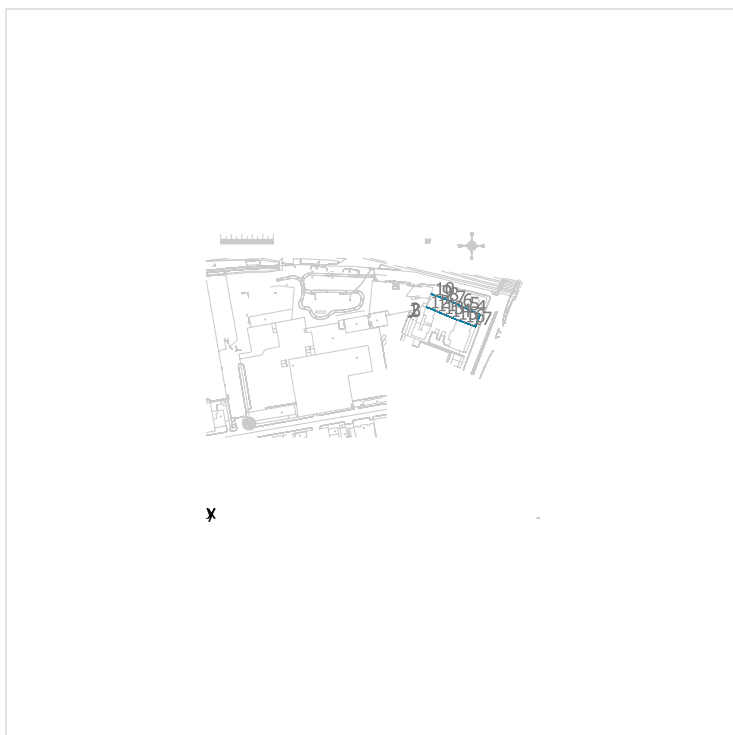


Luminous emittance 1 / UGR diagram

Glare evaluation according to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	25.7	27.0	26.0	27.2	27.4	25.9	27.1	26.1	27.3	27.5	
	3H	26.0	27.1	26.3	27.4	27.6	27.0	28.1	27.3	28.4	28.6	
	4H	25.9	27.0	26.3	27.2	27.5	27.0	28.1	27.4	28.3	28.6	
	6H	25.9	26.8	26.2	27.1	27.4	26.9	27.9	27.3	28.2	28.5	
	8H	25.8	26.7	26.2	27.0	27.4	26.9	27.8	27.3	28.1	28.4	
	12H	25.8	26.6	26.2	27.0	27.3	26.9	27.7	27.2	28.1	28.4	
4H	2H	26.4	27.4	26.7	27.7	28.0	26.5	27.5	26.8	27.8	28.1	
	3H	26.7	27.5	27.0	27.9	28.2	27.7	28.6	28.1	28.9	29.3	
	4H	26.6	27.4	27.0	27.7	28.1	27.7	28.5	28.1	28.9	29.2	
	6H	26.5	27.2	26.9	27.6	28.0	27.7	28.3	28.1	28.7	29.1	
	8H	26.5	27.1	26.9	27.5	27.9	27.6	28.2	28.1	28.6	29.0	
	12H	26.5	27.0	26.9	27.4	27.8	27.6	28.1	28.1	28.6	29.0	
8H	4H	26.6	27.2	27.0	27.6	28.0	27.7	28.3	28.1	28.7	29.1	
	6H	26.5	27.0	27.0	27.5	27.9	27.6	28.1	28.1	28.5	29.0	
	8H	26.5	26.9	27.0	27.4	27.8	27.6	28.0	28.1	28.4	28.9	
	12H	26.5	26.8	27.0	27.3	27.8	27.5	27.9	28.0	28.4	28.9	
12H	4H	26.6	27.1	27.0	27.5	28.0	27.7	28.2	28.1	28.6	29.0	
	6H	26.5	26.9	27.0	27.4	27.8	27.6	28.0	28.1	28.4	28.9	
	8H	26.5	26.8	27.0	27.3	27.8	27.5	27.9	28.0	28.4	28.9	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.3 / -0.6					+0.2 / -0.3					
S = 1.5H		+0.7 / -1.0					+0.6 / -0.8					
S = 2.0H		+1.8 / -6.2					+0.6 / -1.3					
Standard table		BK01					BK02					
Correction summand		8.5					9.7					
Corrected glare indices referring to 11400lm Total luminous flux												

The UGR values are calculated in acc. with CIE Publ. 117. Spacing-to-Height-Ratio = 0.25

Site 1



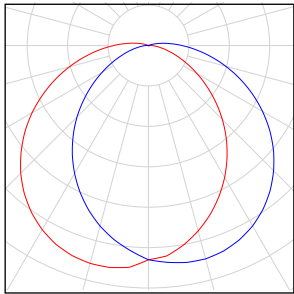
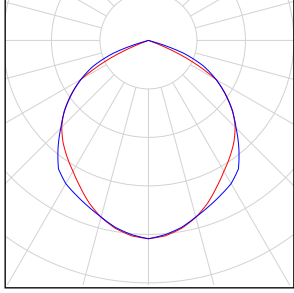
Tamlite Lighting XCFL80NW XCITE

No.	X [m]	Y [m]	Mounting height [m]
1	192.645	192.263	5.000
2	193.954	192.923	5.000
3	195.153	191.867	5.000

ANSELL AVILED/HP/GR+Sld_Eyld AMENITY - Vision 3 LED Graphite

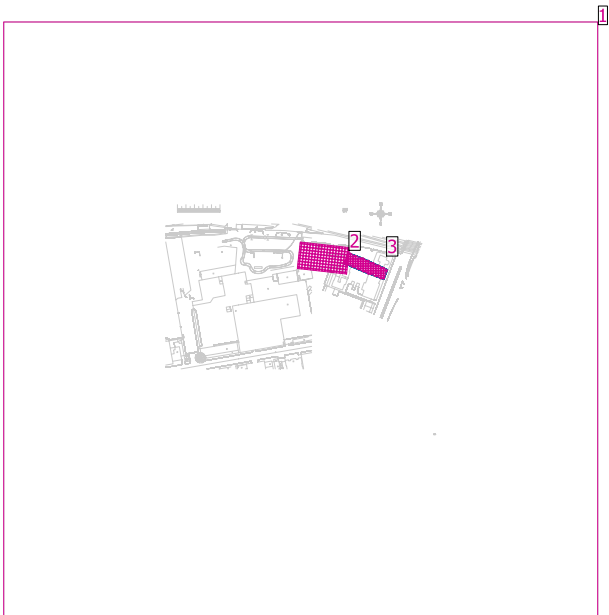
No.	X [m]	Y [m]	Mounting height [m]
4	257.150	195.598	1.982
5	250.574	198.600	1.982
6	244.054	201.580	1.982
7	237.506	204.582	1.982
8	230.952	207.567	1.982
9	224.204	210.068	1.982
10	217.438	212.551	1.982
11	219.626	197.448	1.982
12	212.990	200.176	1.982
13	226.204	194.699	1.982
14	232.732	191.970	1.982
15	239.435	189.385	1.982
16	246.180	186.866	1.982
17	252.900	184.356	1.982

Site 1

Quantity	Luminaire (Luminous emittance)		
14	ANSELL - AVILED/HP/GR+Sld_Eyld AMENITY - Vision 3 LED Graphite Luminous emittance 1 Fitting: 1x Light output ratio: 32.32% Lamp luminous flux: 3654 lm Luminaire luminous flux: 1181 lm Power: 31.0 W Luminous efficacy: 38.1 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	
3	Tamlite Lighting - XCFL80NW XCITE Luminous emittance 1 Fitting: 1xLED Light output ratio: 99.85% Lamp luminous flux: 11400 lm Luminaire luminous flux: 11383 lm Power: 120.0 W Luminous efficacy: 94.9 lm/W Colourimetric data 1xLED: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 85356 lm, Total luminaire luminous flux: 50683 lm, Total Load: 794.0 W, Luminous efficacy: 63.8 lm/W

Site 1



Maintenance factor: 0.80

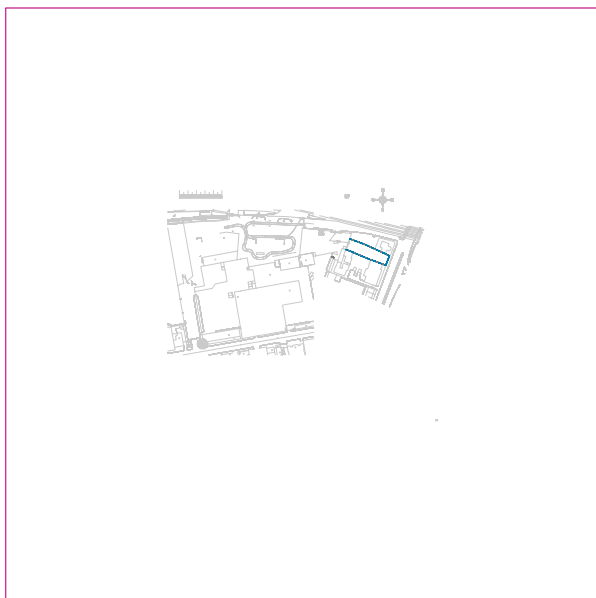
General

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
2 Calculation surface 1	Perpendicular illuminance [lx] Height: 0.000 m	10.5	0.14	156	0.01	0.00
3 Calculation surface 2	Perpendicular illuminance [lx] Height: 0.000 m	11.8	4.63	35.2	0.39	0.13

Surface result objects

1 Surface result object 1	Perpendicular illuminance (adaptive) [lx]	0.06	0.00	203	0.00	0.00
	Luminance [cd/m²]	0.00	0.00	6.47	/	0.00

Surface result object 1 / Perpendicular illuminance (adaptive)



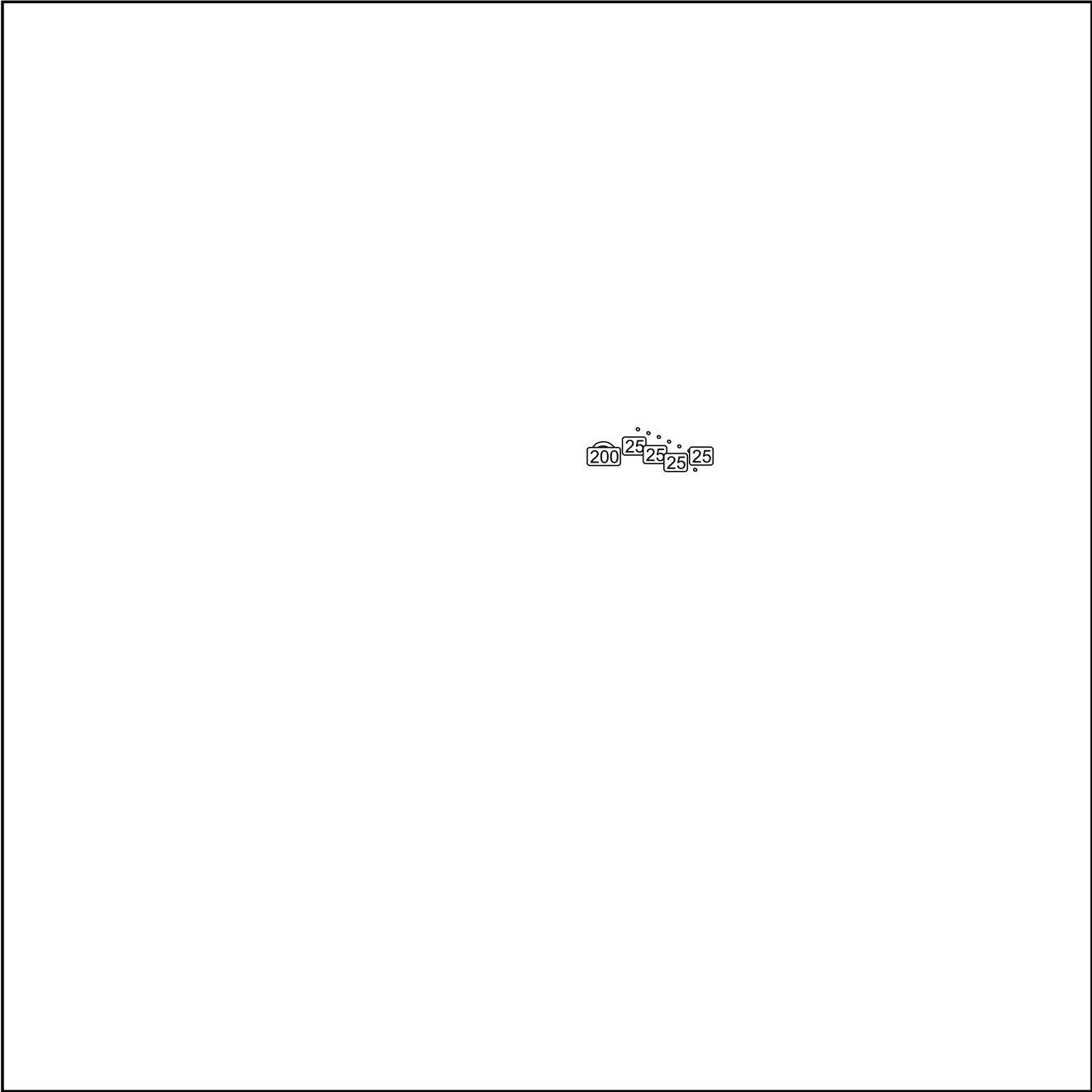
Maintenance factor: 0.80

Surface result object 1: Perpendicular illuminance (adaptive) (Surface)

Light scene: Light scene 1

Average: 0.06 lx, Min: 0.00 lx, Max: 203 lx, Min/average: 0.00, Min/max: 0.00

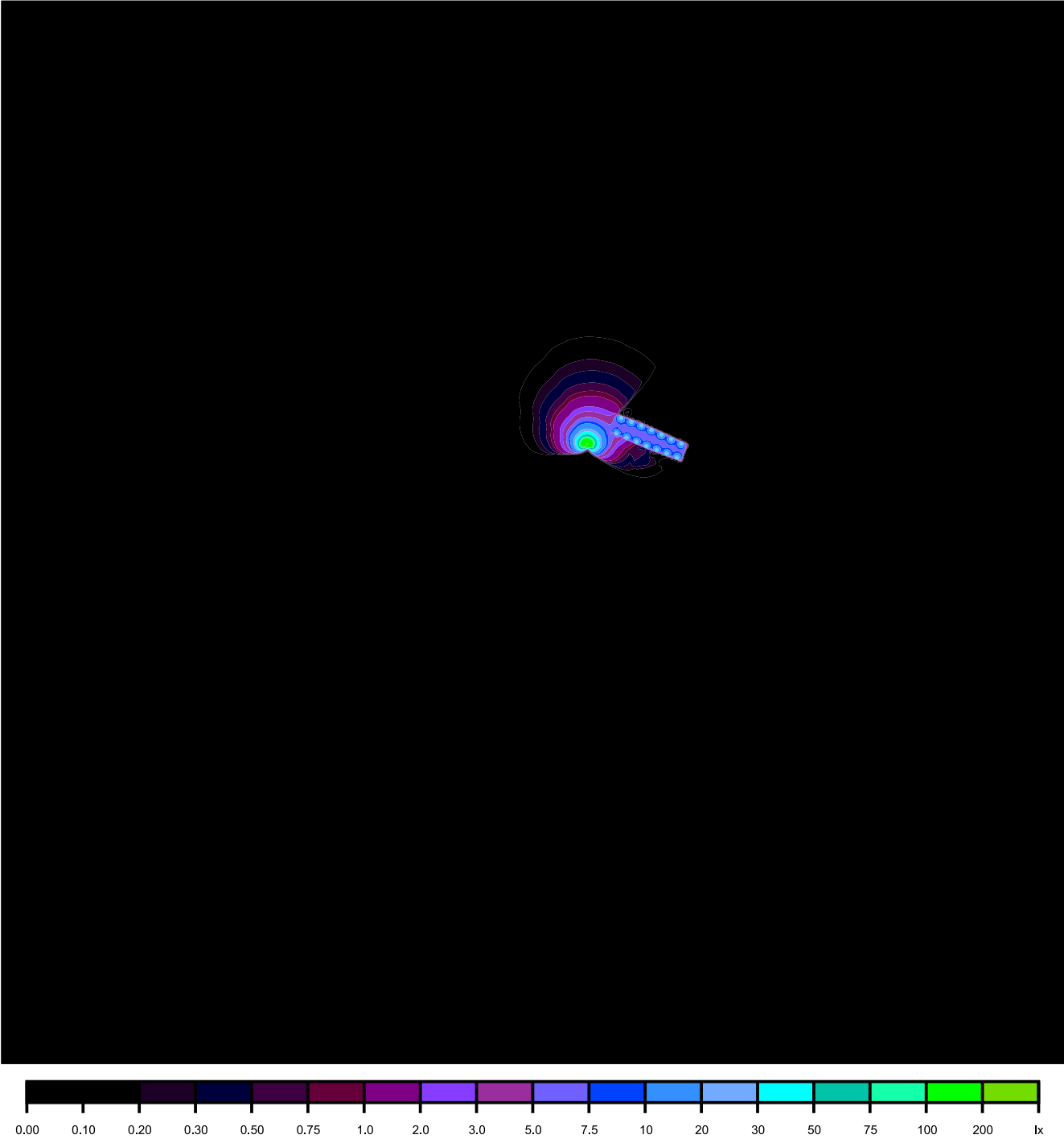
Isolines [lx]



Scale: 1 : 4000

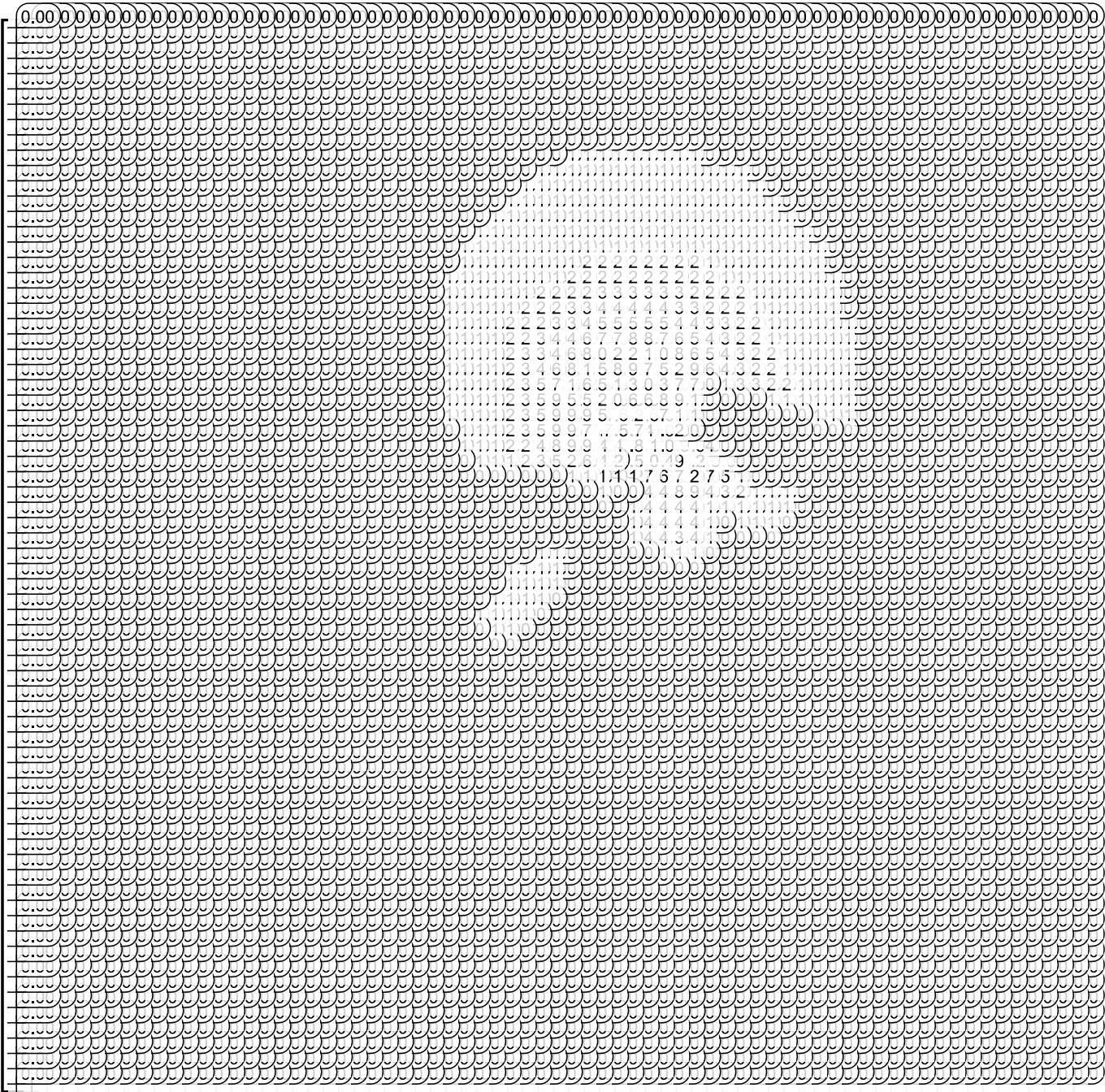
Site 1 / Surface result object 1 / Perpendicular illuminance (adaptive)

False colours [lx]



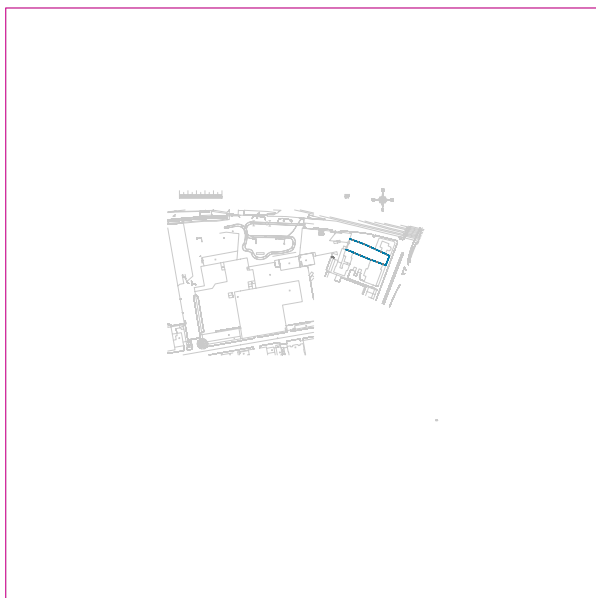
Scale: 1 : 4000

Value grid [lx]



Scale: 1 : 4000

Surface result object 1 / Luminance



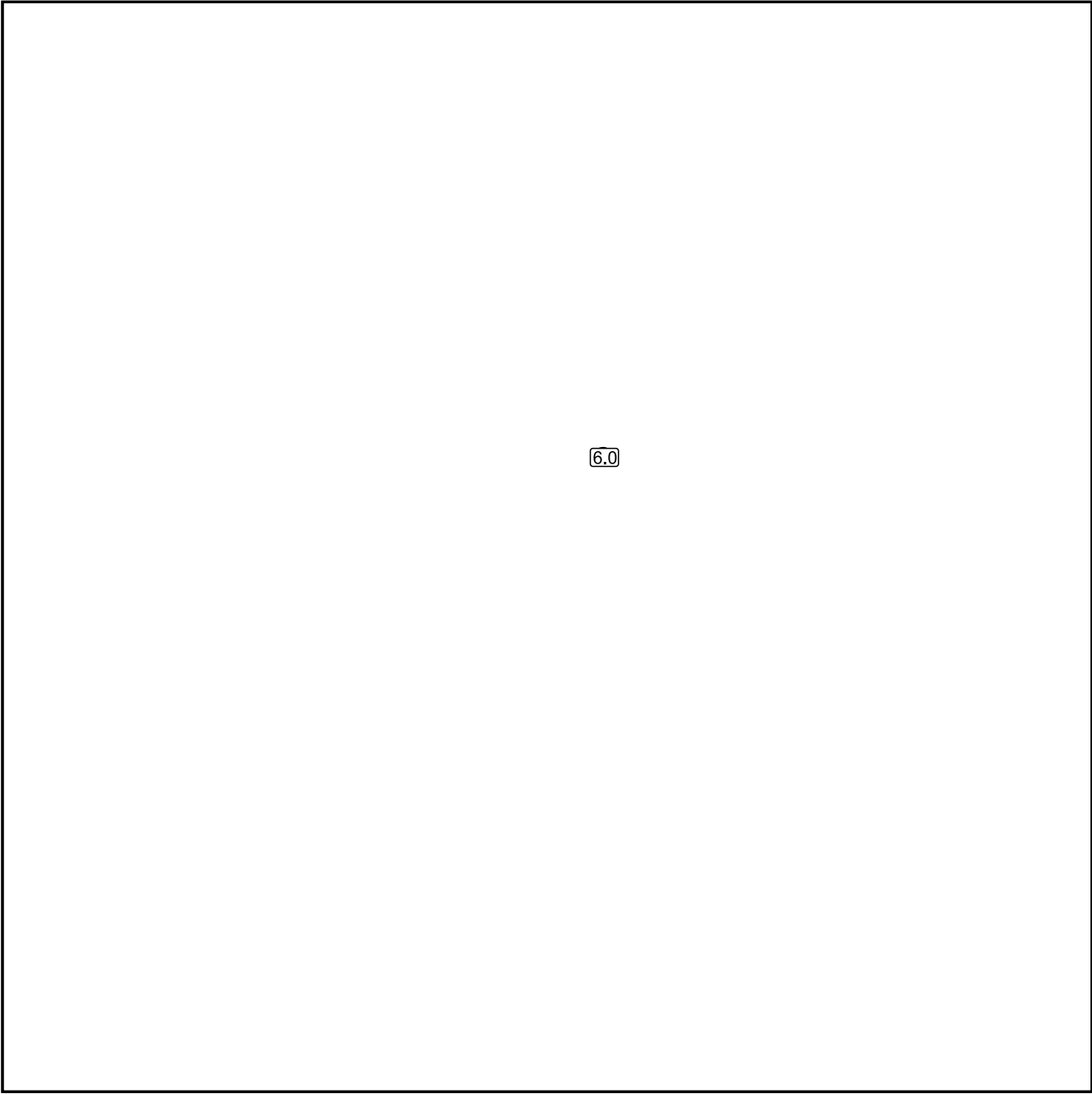
Maintenance factor: 0.80

Surface result object 1: Luminance (Surface)

Light scene: Light scene 1

Average: 0.00 cd/m², Min: 0.00 cd/m², Max: 6.47 cd/m², Min/average: /, Min/max: 0.00

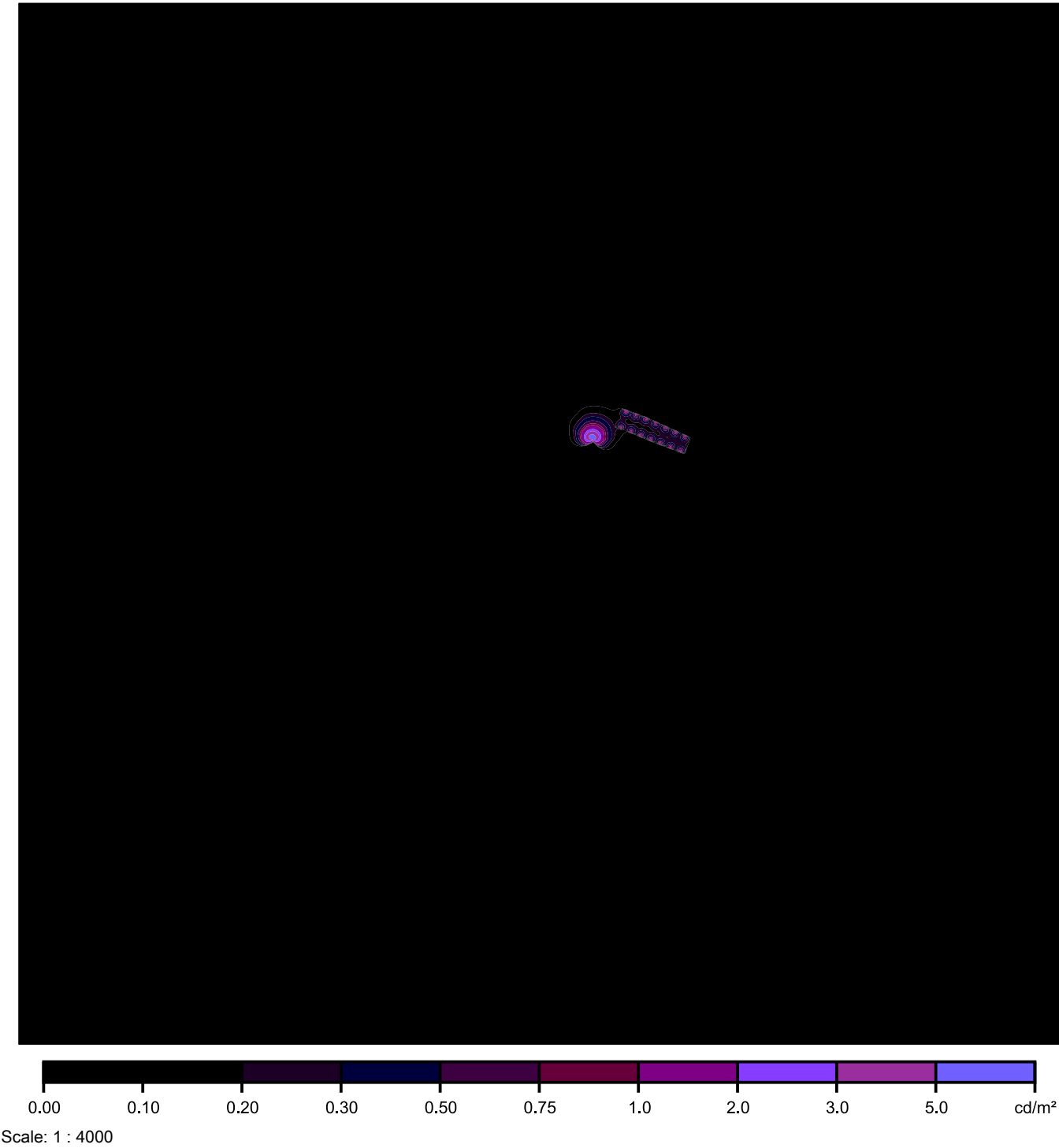
Isolines [cd/m²]

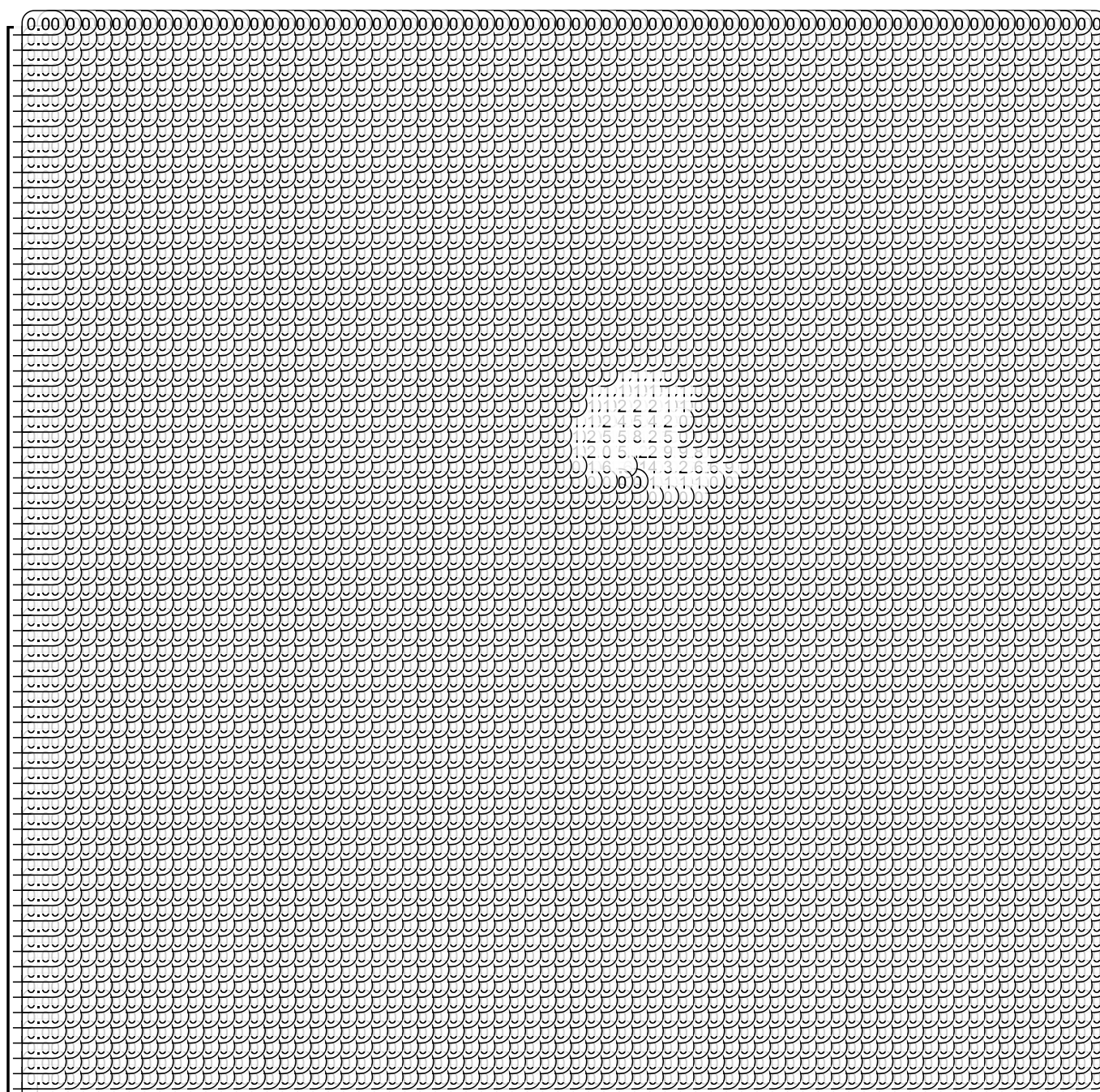


6.0

Scale: 1 : 4000

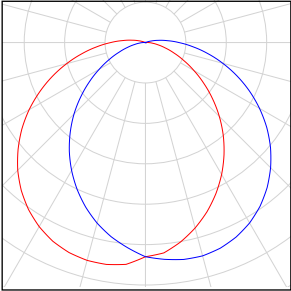
False colours [cd/m²]



Value grid [cd/m²]

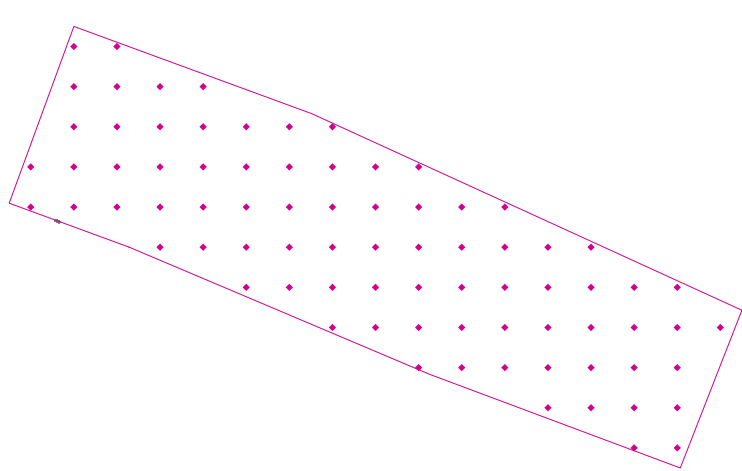
Scale: 1 : 4000

Assessment zone 2

Quantity	Luminaire (Luminous emittance)		
1	ANSELL - AVILED/HP/GR+Sld_Eyld AMENITY - Vision 3 LED Graphite Luminous emittance 1 Fitting: 1x Light output ratio: 32.32% Lamp luminous flux: 3654 lm Luminaire luminous flux: 1181 lm Power: 31.0 W Luminous efficacy: 38.1 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 3654 lm, Total luminaire luminous flux: 1181 lm, Total Load: 31.0 W, Luminous efficacy: 38.1 lm/W

Assessment zone 2

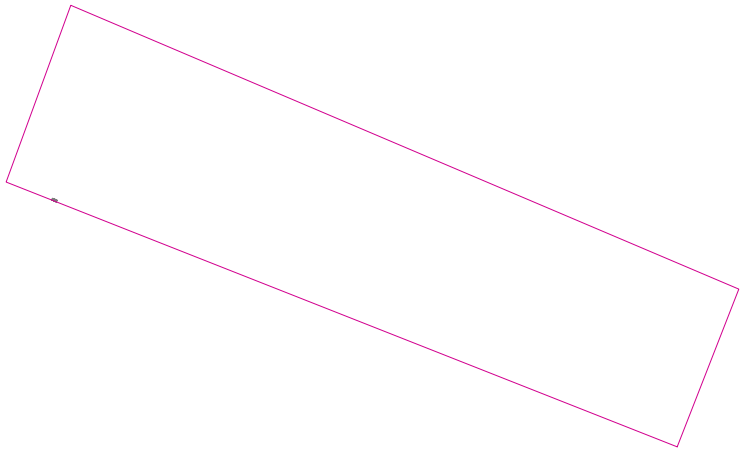


Reflection factors: Ceiling 0.0%, Walls 0.0%, Floor 0.0%, Maintenance factor: 0.80

General

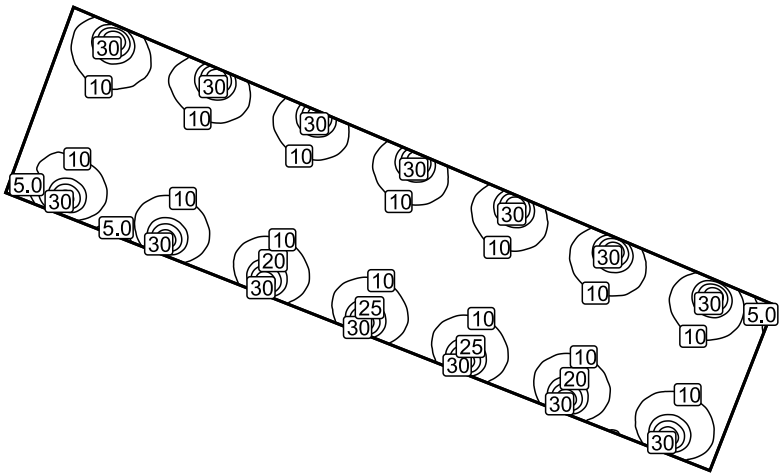
Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Calculation surface 2	Perpendicular illuminance [lx] Height: 0.000 m	11.8	4.63	35.2	0.39	0.13

Workplane 2 / Perpendicular illuminance (adaptive)



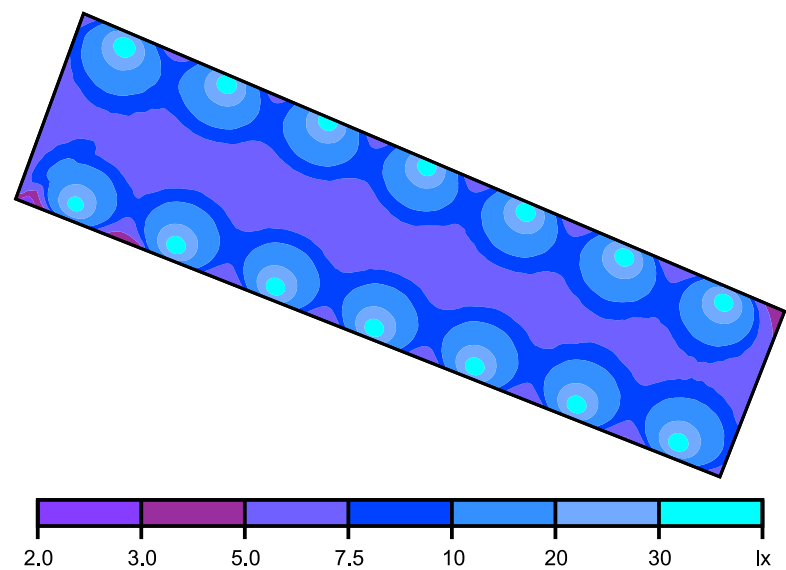
Workplane 2: Perpendicular illuminance (adaptive) (Surface)
Light scene: Light scene 1
Average: 11.1 lx (Target: ≥ 10.0 lx), Min: 2.05 lx, Max: 36.2 lx, Min/average: 0.18, Min/max: 0.06
Height: 0.000 m, Wall zone: 0.000 m

Isolines [lx]



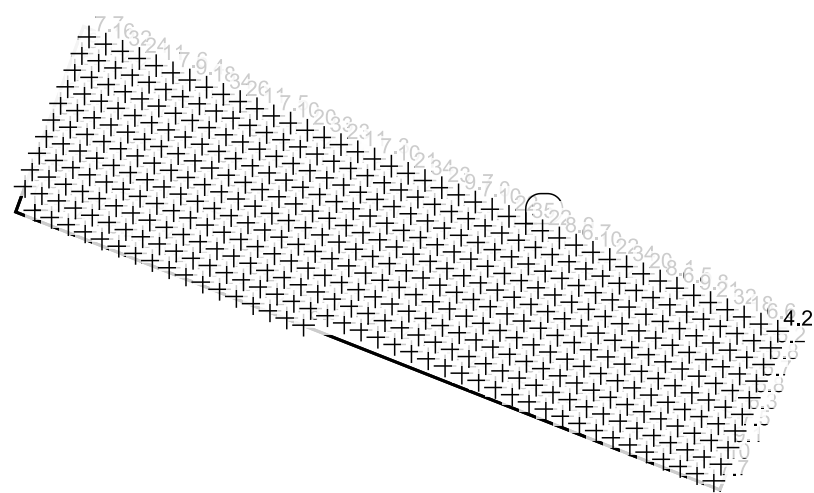
Scale: 1 : 500

False colours [lx]



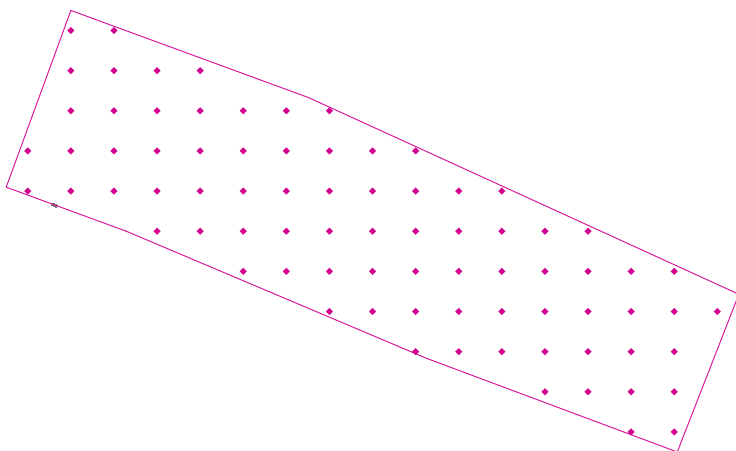
Scale: 1 : 500

Value grid [lx]



Scale: 1 : 500

Calculation surface 2 / Perpendicular illuminance



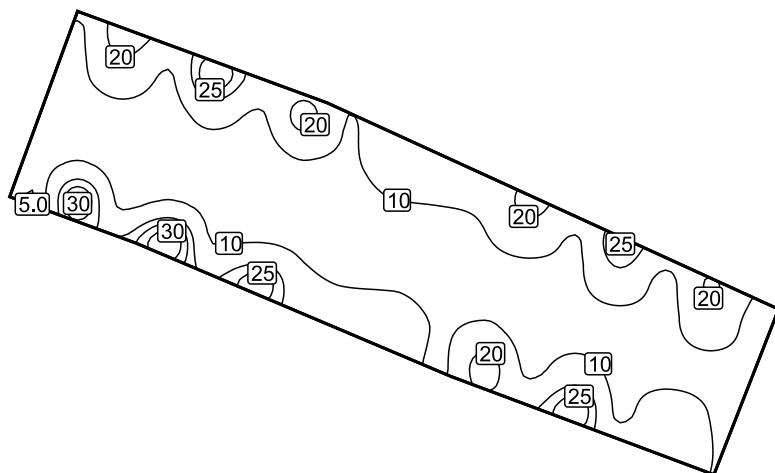
Calculation surface 2: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 11.8 lx, Min: 4.63 lx, Max: 35.2 lx, Min/average: 0.39, Min/max: 0.13

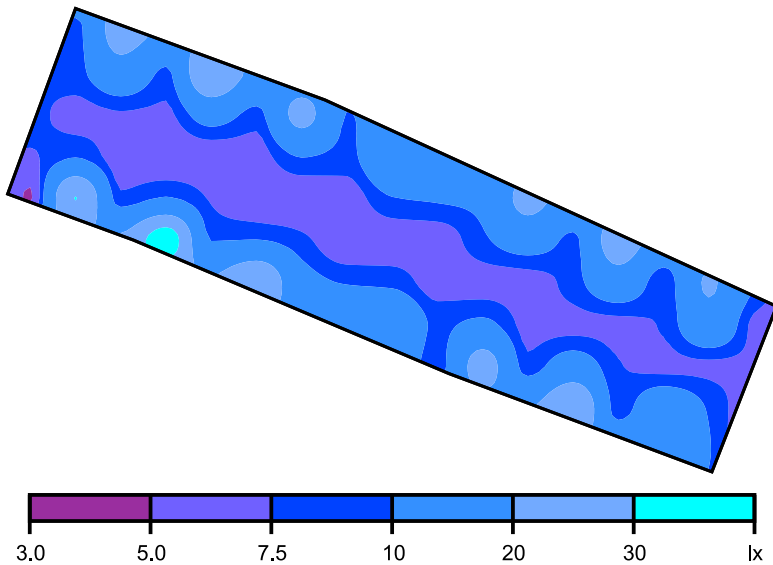
Height: 0.000 m

Isolines [lx]



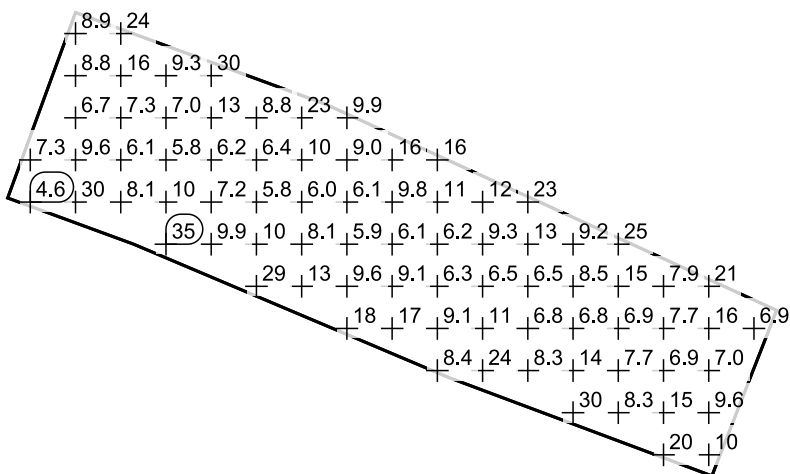
Scale: 1 : 500

False colours [lx]



Scale: 1 : 500

Value grid [lx]



Scale: 1 : 500

Value chart [lx]

m	-13.808	-11.021	-8.235	-5.448	-2.662	0.124	2.911	5.697	8.483	11.270	14.056
21.425	/	/	/	/	/	/	4.63	7.27	/	/	/
18.433	/	/	/	/	/	/	30.2	9.58	6.67	8.77	8.91
15.441	/	/	/	/	/	/	8.09	6.12	7.27	16.0	24.1
12.449	/	/	/	/	/	35.2	10.2	5.80	6.98	9.27	/
9.457	/	/	/	/	/	9.86	7.23	6.16	12.9	29.7	/
6.466	/	/	/	/	28.7	10.1	5.82	6.41	8.84	/	/
3.474	/	/	/	/	12.7	8.10	5.95	10.2	23.0	/	/
0.482	/	/	/	18.2	9.62	5.93	6.12	8.96	9.89	/	/
-2.510	/	/	/	17.0	9.09	6.13	9.83	16.0	/	/	/
-5.502	/	/	8.37	9.14	6.27	6.21	10.6	15.9	/	/	/
-8.494	/	/	24.2	11.1	6.48	9.27	11.5	/	/	/	/
-11.486	/	/	8.31	6.75	6.51	13.1	22.8	/	/	/	/
-14.478	/	29.6	13.6	6.77	8.55	9.16	/	/	/	/	/
-17.470	/	8.28	7.66	6.88	15.1	25.1	/	/	/	/	/

Site 1 / Assessment zone 2 / Calculation surface 2 / Perpendicular illuminance

m	-13.808	-11.021	-8.235	-5.448	-2.662	0.124	2.911	5.697	8.483	11.270	14.056
-20.462	19.6	15.2	6.88	7.73	7.93	/	/	/	/	/	/
-23.453	10.4	9.60	6.95	16.0	21.0	/	/	/	/	/	/
-26.445	/	/	/	6.86	/	/	/	/	/	/	/