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Durbes iela, Ventspils

Gājēju pāreju apgaismojuma aprēķins

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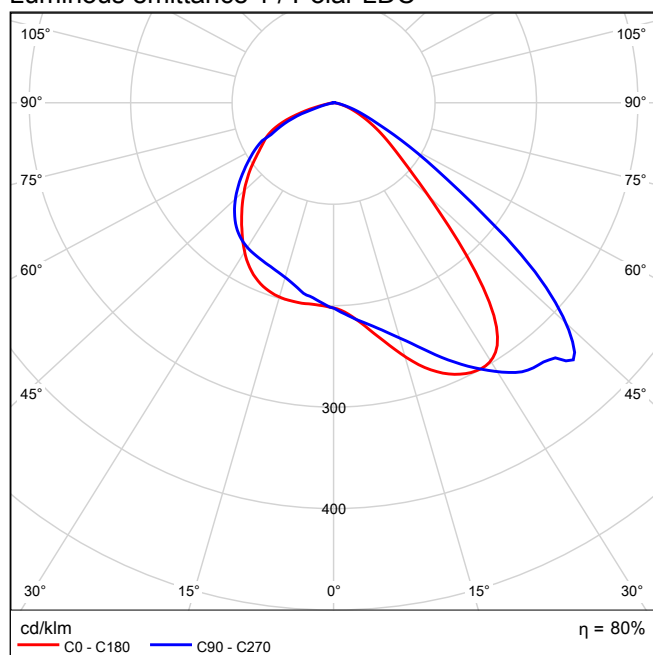
Schröder NEOS 2 LED / 5145 / 48 LEDS 500mA CW / 351912 1x48 LEDS 500mA CW



Light output ratio: 79.56%
 Lamp luminous flux: 10518 lm
 Luminaire luminous flux: 8368 lm
 Power: 75.0 W
 Luminous efficacy: 111.6 lm/W

Colourimetric data
 1x48 LEDS 500mA CW: CCT 3000 K, CRI 100

Luminous emittance 1 / Polar LDC



The Neos LED floodlights are available in three sizes:

Neos LED 1 with 16 LED, Neos LED 2 with 32 LED and Neos LED 3 with 64 LED.

In the Neos LED range the energy efficiency of LED technology combines with the photometric performance of the LensoFlex® concept developed by Schröder.

The Neos LED floodlights are composed of a two-piece housing made of painted die-cast aluminium. The protector in glass is sealed onto the cover.

Mounting by means of a fork enables the inclination to be adjusted precisely on-site

Applications: Pedestrian crossings

Recommended height installation: between 4m and 8m

Painting: Polyester powder coating

Colour: RAL 7035

Other colours RAL or AKZO on request

NEOS 2 LED - Your configuration:

Type of distribution:

Reflector: 5145

Protector: [Glass, Flat, Smooth]

Source: 48 LEDS 500mA CW

Settings: Zebra right - 351912

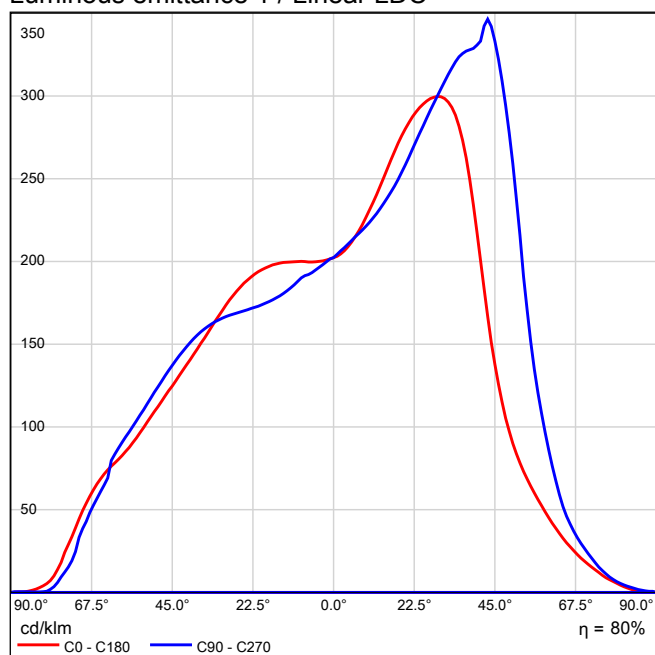
Dimensions: Width: 398 Height: 140 Length: 441 Weight: 8

Mechanical and electrical characteristics: IP: IP 66 IK: IK 08

Electrical Class: Class II EU

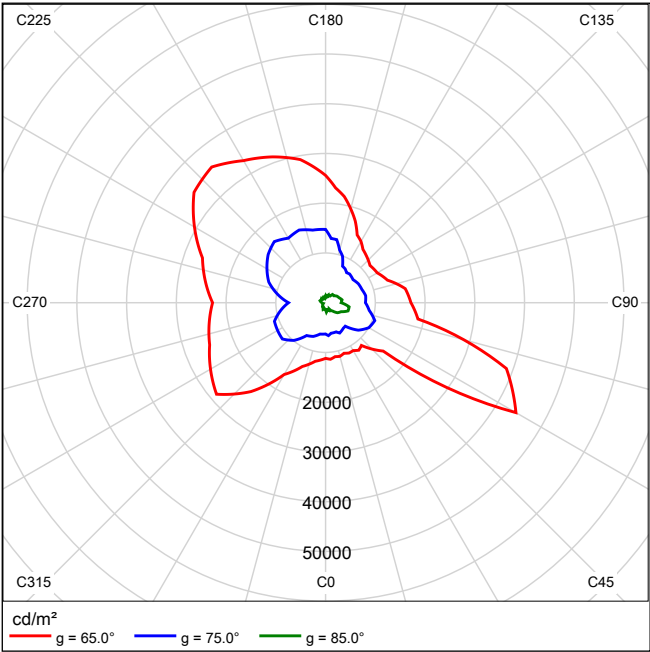
Due to the continuous research and development we undertake on our products, we reserve the right to alter the specifications without notice. As these may present different characteristics according to the requirements of individual countries, we invite you to consult us.

Luminous emittance 1 / Linear LDC

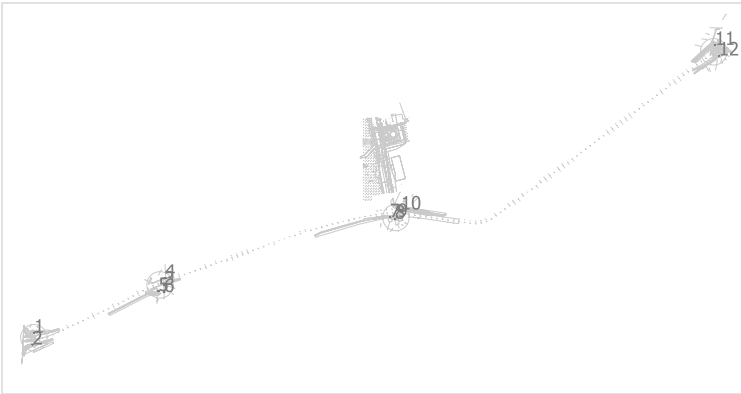


It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

Luminous emittance 1 / Luminance diagram



Site 1


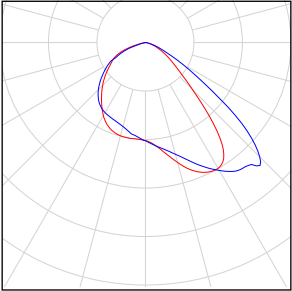


x

Schröder NEOS 2 LED / 5145 / 48 LEDS 500mA CW / 351912

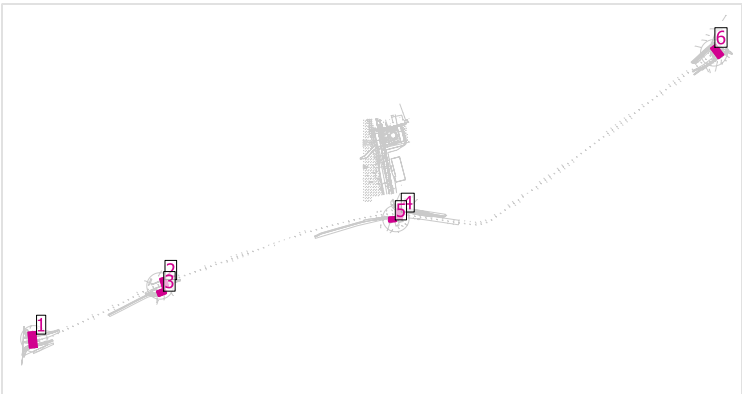
No.	X [m]	Y [m]	Mounting height [m]
1	37.413	409.098	6.000
2	34.608	388.012	6.000
3	270.827	495.153	6.000
4	272.210	507.415	6.000
5	260.331	483.786	6.000
6	270.410	482.042	6.000
7	675.179	615.872	6.000
8	684.017	613.228	6.000
9	688.278	616.522	6.000
10	694.569	629.879	6.000
11	1257.400	924.721	6.000
12	1264.399	905.739	6.000

Site 1

Quantity	Luminaire (Luminous emittance)		
12	<div>Schröder - NEOS 2 LED / 5145 / 48 LEDS 500mA CW / 351912</div> <div>Luminous emittance 1</div> <div>Fitting: 1x48 LEDS 500mA CW</div> <div>Light output ratio: 79.56%</div> <div>Lamp luminous flux: 10518 lm</div> <div>Luminaire luminous flux: 8368 lm</div> <div>Power: 75.0 W</div> <div>Luminous efficacy: 111.6 lm/W</div> <div>Colourimetric data</div> <div>1x48 LEDS 500mA CW: CCT 3000 K, CRI 100</div>		

Total lamp luminous flux: 126216 lm, Total luminaire luminous flux: 100416 lm, Total Load: 900.0 W, Luminous efficacy: 111.6 lm/W

Site 1

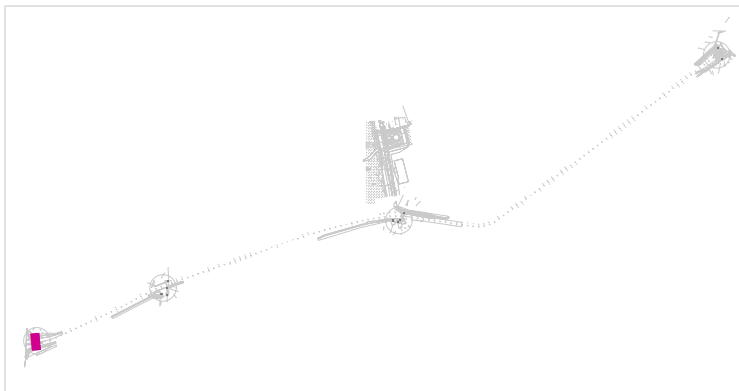


Maintenance factor: 0.80

General

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 Calculation surface 2	Perpendicular illuminance [lx] Height: 0.000 m	25.8	1.19	130	0.05	0.01
2 Calculation surface 3	Perpendicular illuminance [lx] Height: 0.000 m	48.6	3.42	235	0.07	0.01
3 Calculation surface 4	Perpendicular illuminance [lx] Height: 0.000 m	60.7	8.37	194	0.14	0.04
4 Calculation surface 5	Perpendicular illuminance [lx] Height: 0.000 m	48.6	5.85	202	0.12	0.03
5 Calculation surface 6	Perpendicular illuminance [lx] Height: 0.000 m	85.3	16.9	199	0.20	0.08
6 Calculation surface 7	Perpendicular illuminance [lx] Height: 0.000 m	31.9	2.38	119	0.07	0.02

Calculation surface 2 / Perpendicular illuminance



Maintenance factor: 0.80

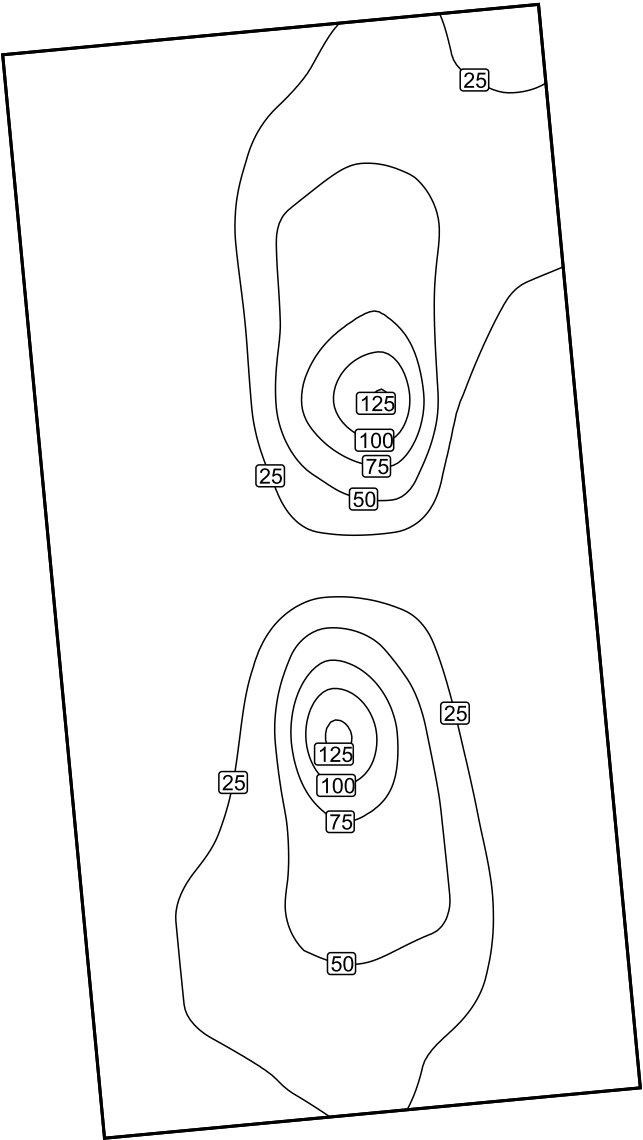
Calculation surface 2: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 25.8 lx, Min: 1.19 lx, Max: 130 lx, Min/average: 0.05, Min/max: 0.01

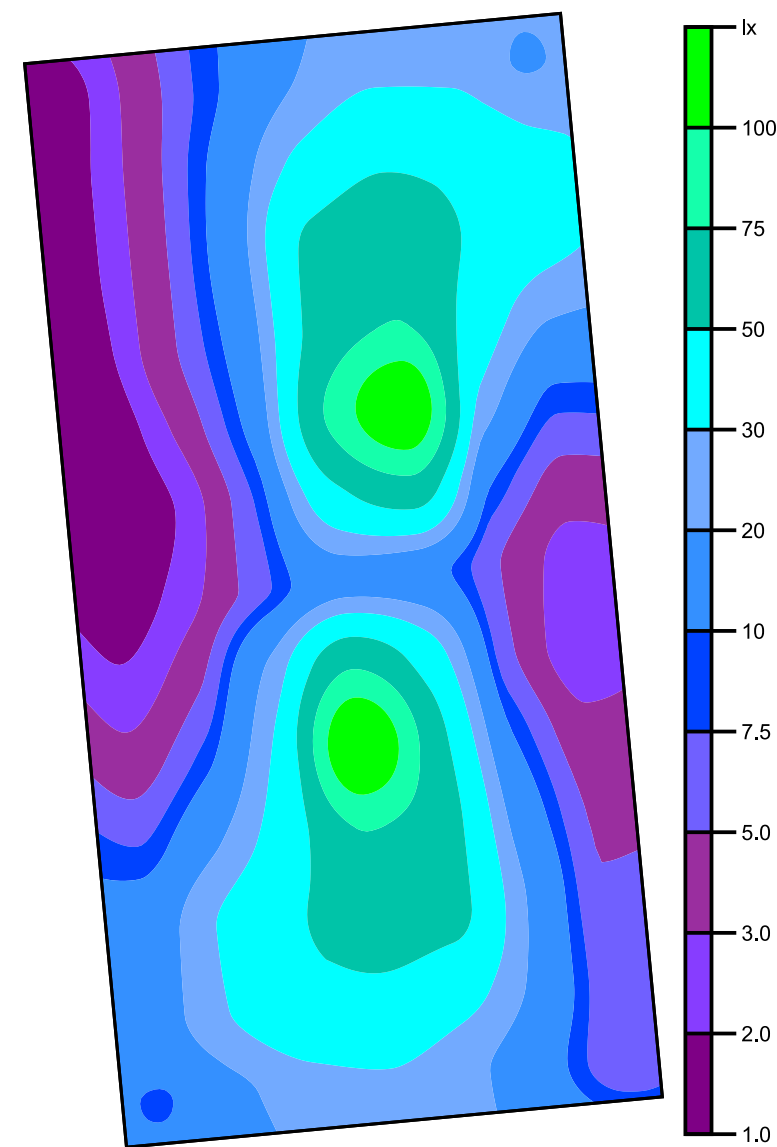
Height: 0.000 m

Isolines [lx]



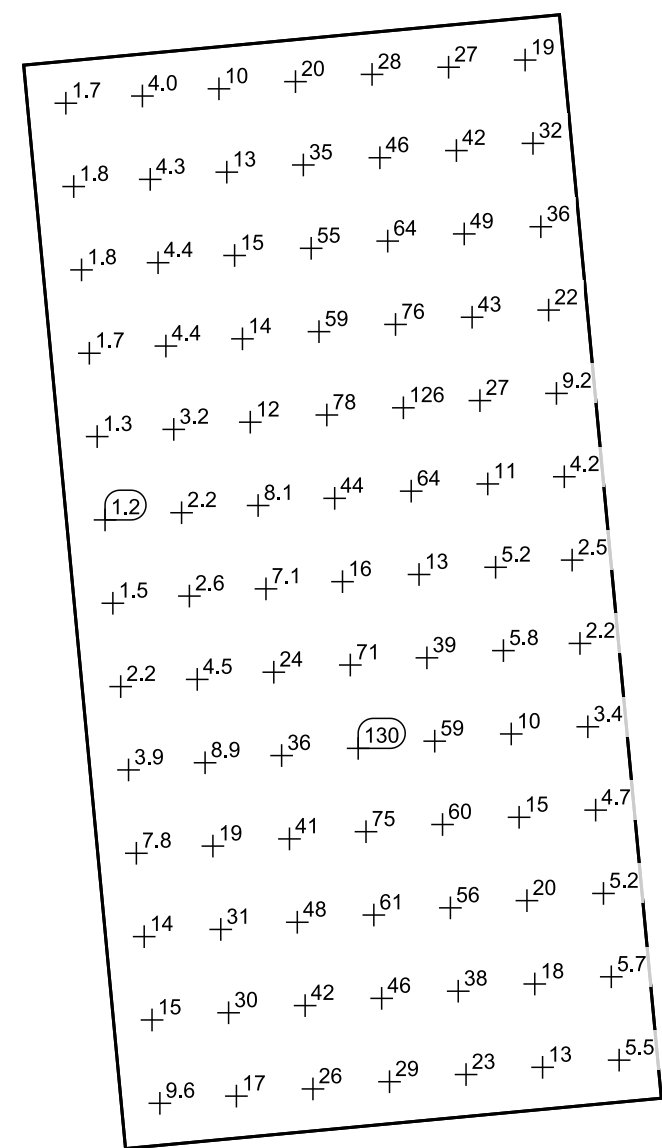
Scale: 1 : 200

False colours [lx]



Scale: 1 : 200

Value grid [lx]

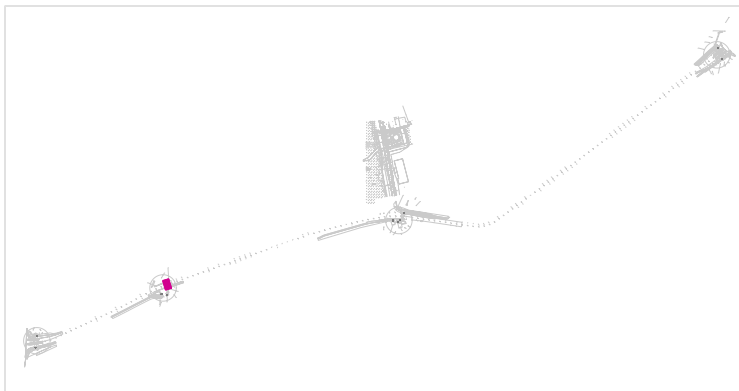


Scale: 1 : 200

Value chart [lx]

m	-6.103	-4.069	-2.034	0.000	2.034	4.069	6.103
13.289	1.73	4.01	10.1	20.3	28.0	27.1	19.1
11.074	1.82	4.29	13.4	35.1	46.5	42.5	31.9
8.859	1.82	4.41	15.4	54.7	63.9	49.2	36.1
6.644	1.67	4.41	13.9	58.8	75.7	42.5	21.7
4.430	1.32	3.20	12.0	78.0	126	27.4	9.16
2.215	1.19	2.15	8.09	44.0	64.0	10.6	4.23
0.000	1.49	2.62	7.07	15.6	12.9	5.21	2.48
-2.215	2.23	4.50	24.1	71.1	39.5	5.80	2.18
-4.430	3.86	8.86	35.8	130	59.4	10.0	3.40
-6.644	7.79	18.6	41.2	75.3	59.6	15.4	4.68
-8.859	14.2	31.2	48.2	60.6	56.5	19.6	5.16
-11.074	15.2	30.0	42.0	45.5	37.6	17.9	5.74
-13.289	9.63	17.4	26.1	28.7	22.7	13.0	5.47

Calculation surface 3 / Perpendicular illuminance



Maintenance factor: 0.80

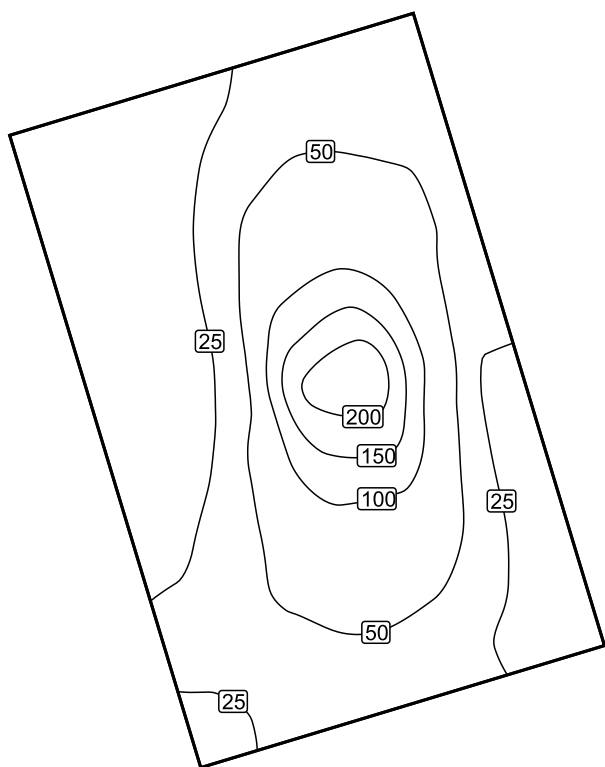
Calculation surface 3: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 48.6 lx, Min: 3.42 lx, Max: 235 lx, Min/average: 0.07, Min/max: 0.01

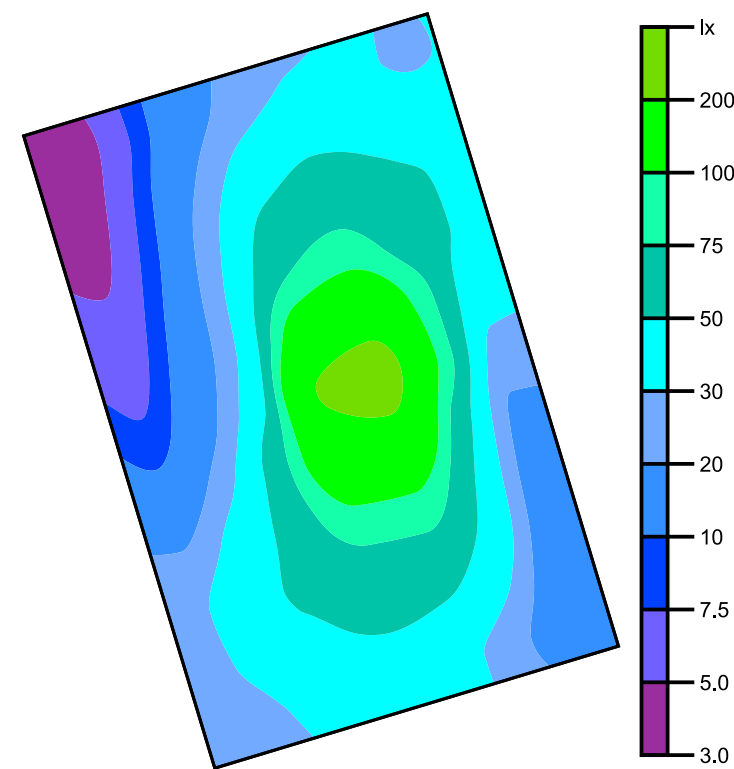
Height: 0.000 m

Isolines [lx]



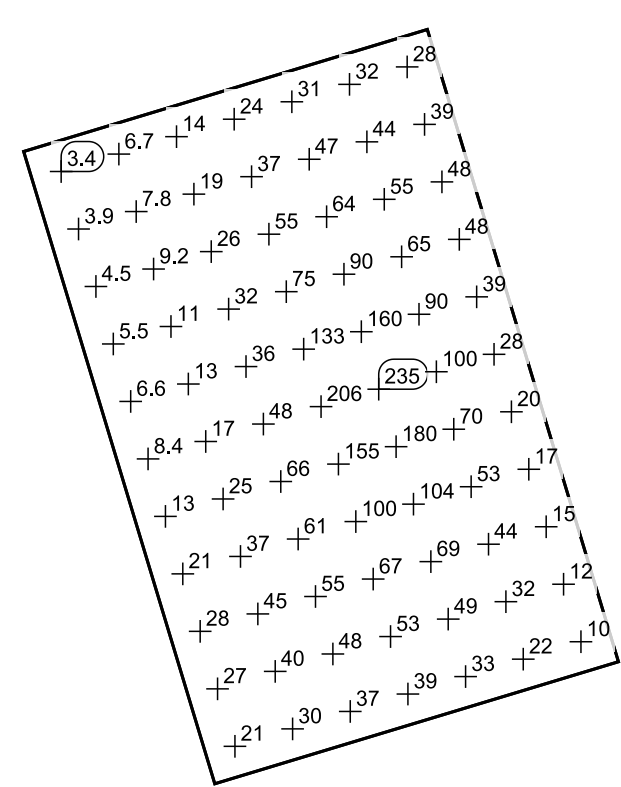
Scale: 1 : 200

False colours [lx]



Scale: 1 : 200

Value grid [lx]

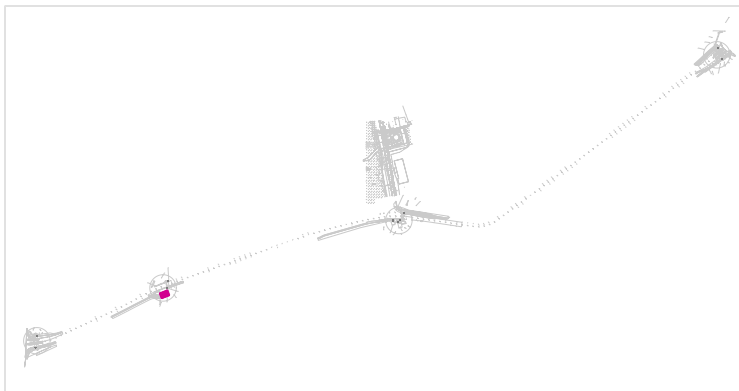


Scale: 1 : 200

Value chart [lx]

m	-4.783	-3.189	-1.594	0.000	1.594	3.189	4.783
7.946	3.42	6.66	14.1	24.0	31.3	32.3	27.8
6.356	3.89	7.82	19.5	36.9	46.6	44.4	38.8
4.767	4.54	9.20	26.4	54.8	64.1	54.7	48.5
3.178	5.53	11.0	31.8	74.6	89.7	64.7	48.3
1.589	6.61	13.1	35.5	133	160	89.7	38.8
0.000	8.36	16.5	47.9	206	235	99.8	27.7
-1.589	12.7	24.9	65.9	155	180	70.5	19.6
-3.178	20.9	37.2	61.5	99.7	104	52.6	16.8
-4.767	28.3	45.4	55.1	67.1	68.6	44.1	14.6
-6.356	26.9	40.4	47.8	52.9	49.0	31.6	12.2
-7.946	20.9	30.1	36.8	39.0	33.2	21.9	10.4

Calculation surface 4 / Perpendicular illuminance



Maintenance factor: 0.80

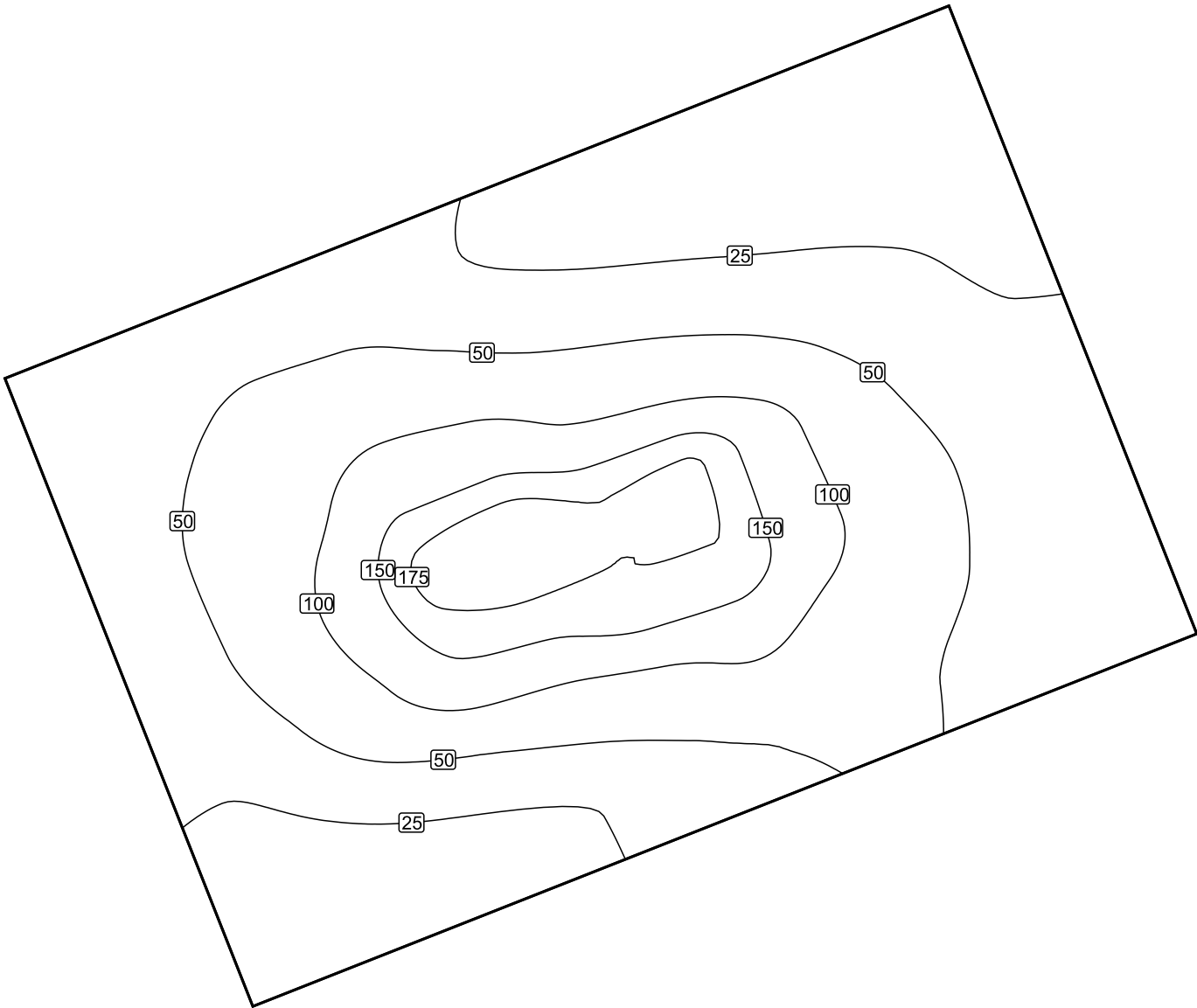
Calculation surface 4: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 60.7 lx, Min: 8.37 lx, Max: 194 lx, Min/average: 0.14, Min/max: 0.04

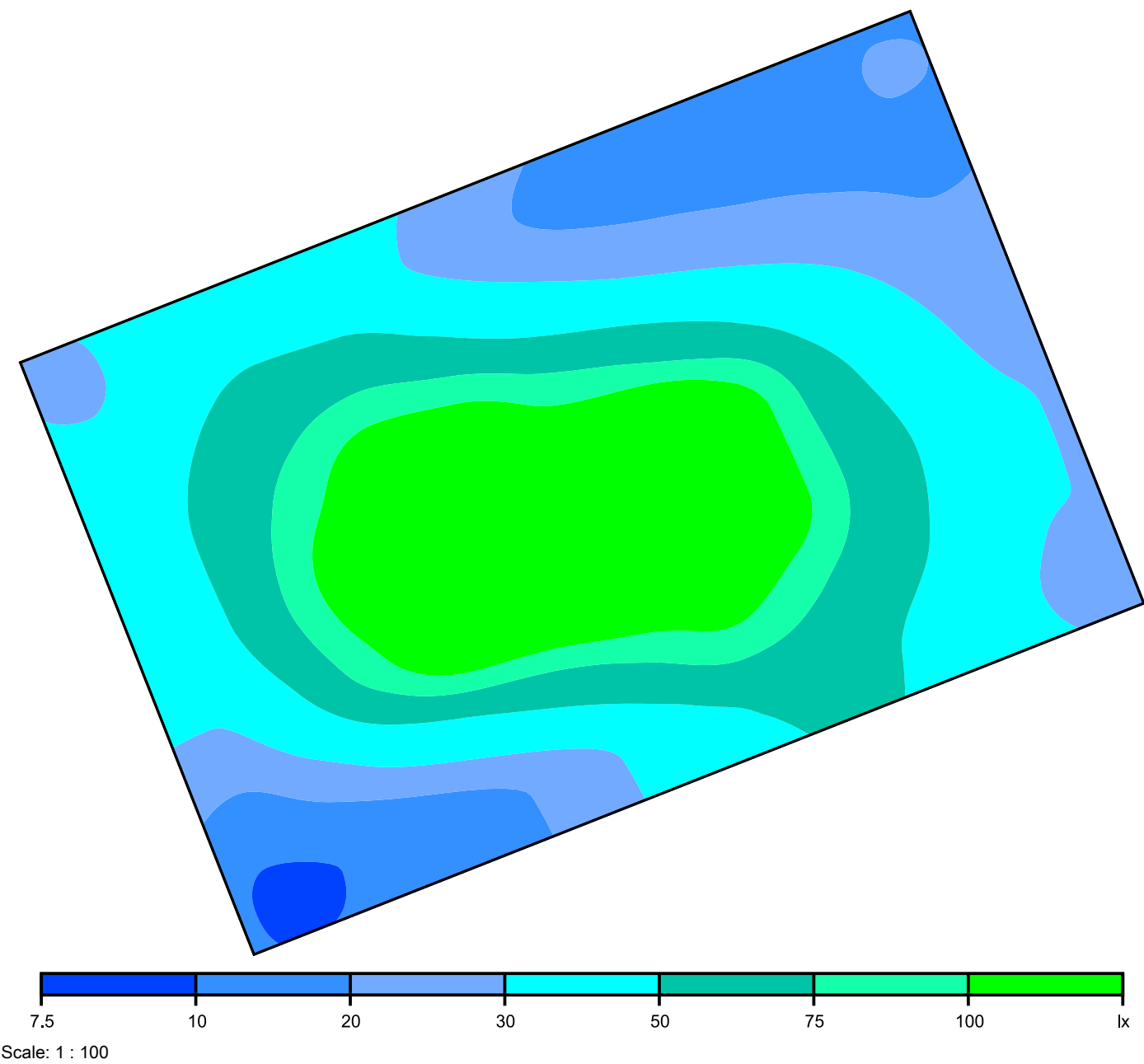
Height: 0.000 m

Isolines [lx]

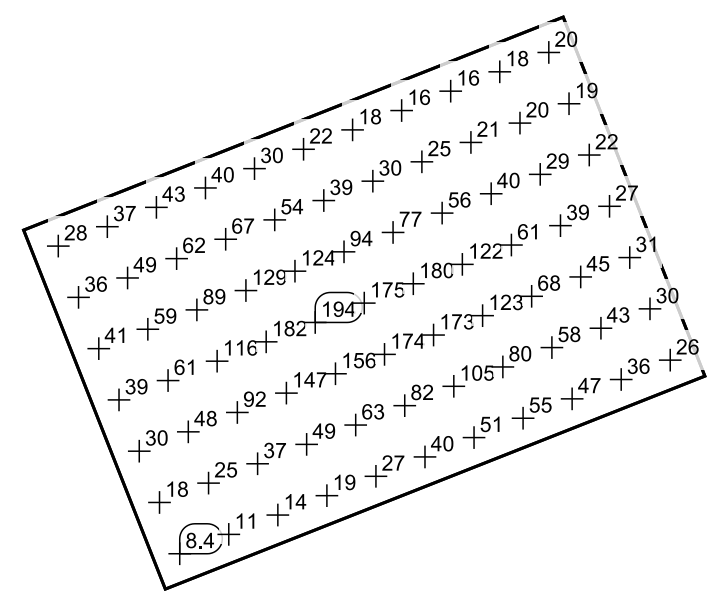


Scale: 1 : 100

False colours [lx]



Value grid [lx]

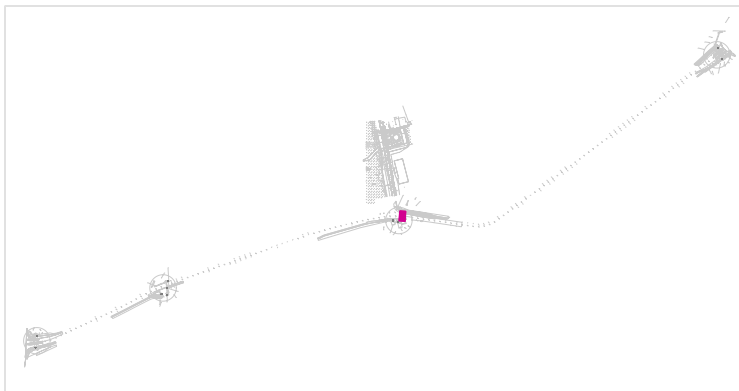


Scale: 1 : 200

Value chart [lx]

m	-4.377	-2.918	-1.459	0.000	1.459	2.918	4.377
6.978	20.4	18.9	22.1	27.2	30.8	30.5	26.2
5.582	17.9	19.7	29.0	39.3	45.0	42.7	35.6
4.187	16.4	21.4	39.8	61.1	67.9	57.6	47.0
2.791	16.1	25.1	56.4	122	123	79.7	55.1
1.396	17.7	30.4	76.5	180	173	105	51.2
0.000	22.0	39.2	93.5	175	174	81.9	40.1
-1.396	30.0	53.9	124	194	156	63.2	26.9
-2.791	39.6	67.2	129	182	147	49.5	19.1
-4.187	43.1	61.9	88.6	116	91.7	37.0	14.0
-5.582	37.5	49.0	58.8	61.1	48.1	25.0	10.6
-6.978	28.0	36.3	40.9	38.7	30.3	17.6	8.37

Calculation surface 5 / Perpendicular illuminance



Maintenance factor: 0.80

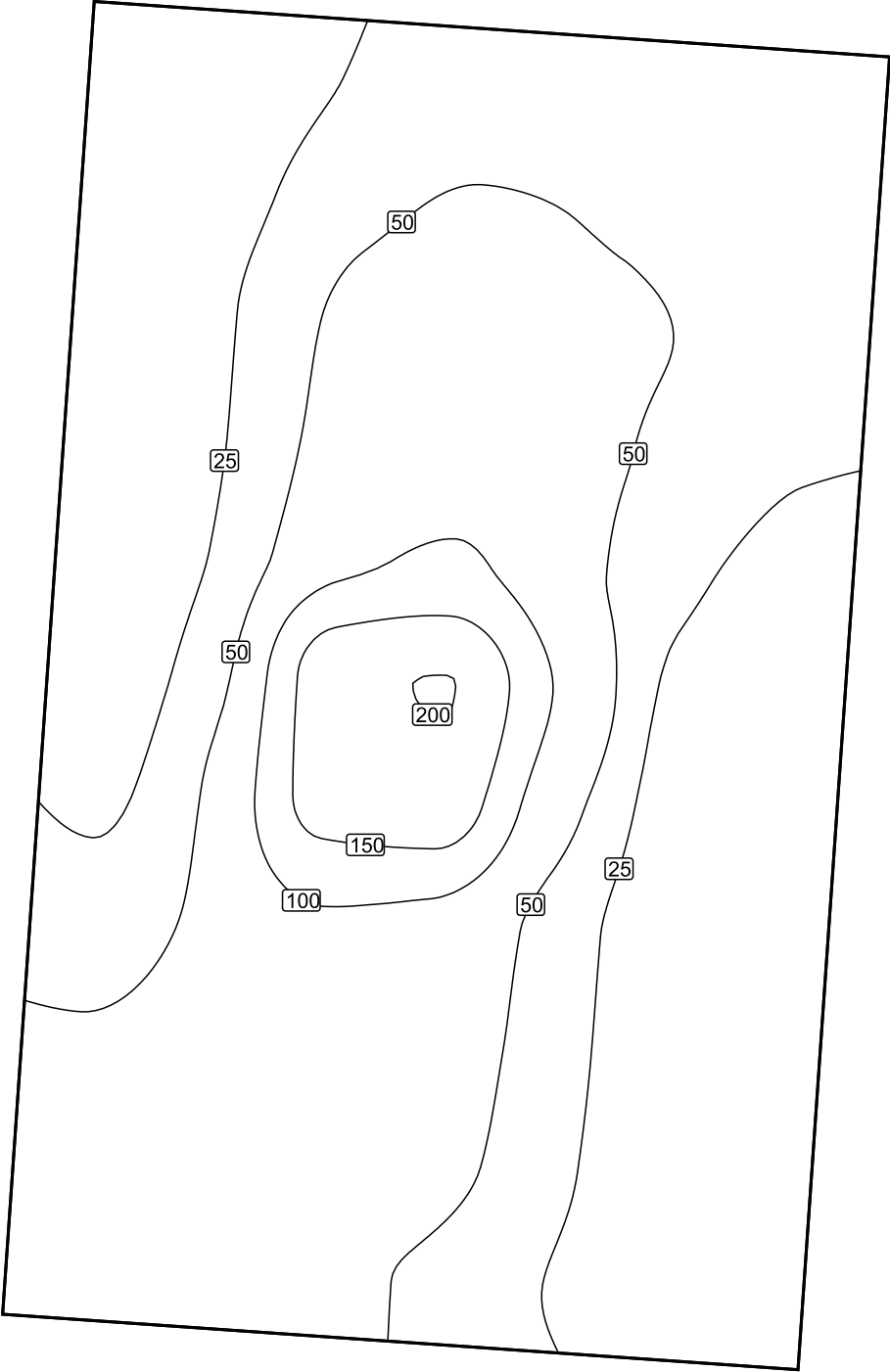
Calculation surface 5: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 48.6 lx, Min: 5.85 lx, Max: 202 lx, Min/average: 0.12, Min/max: 0.03

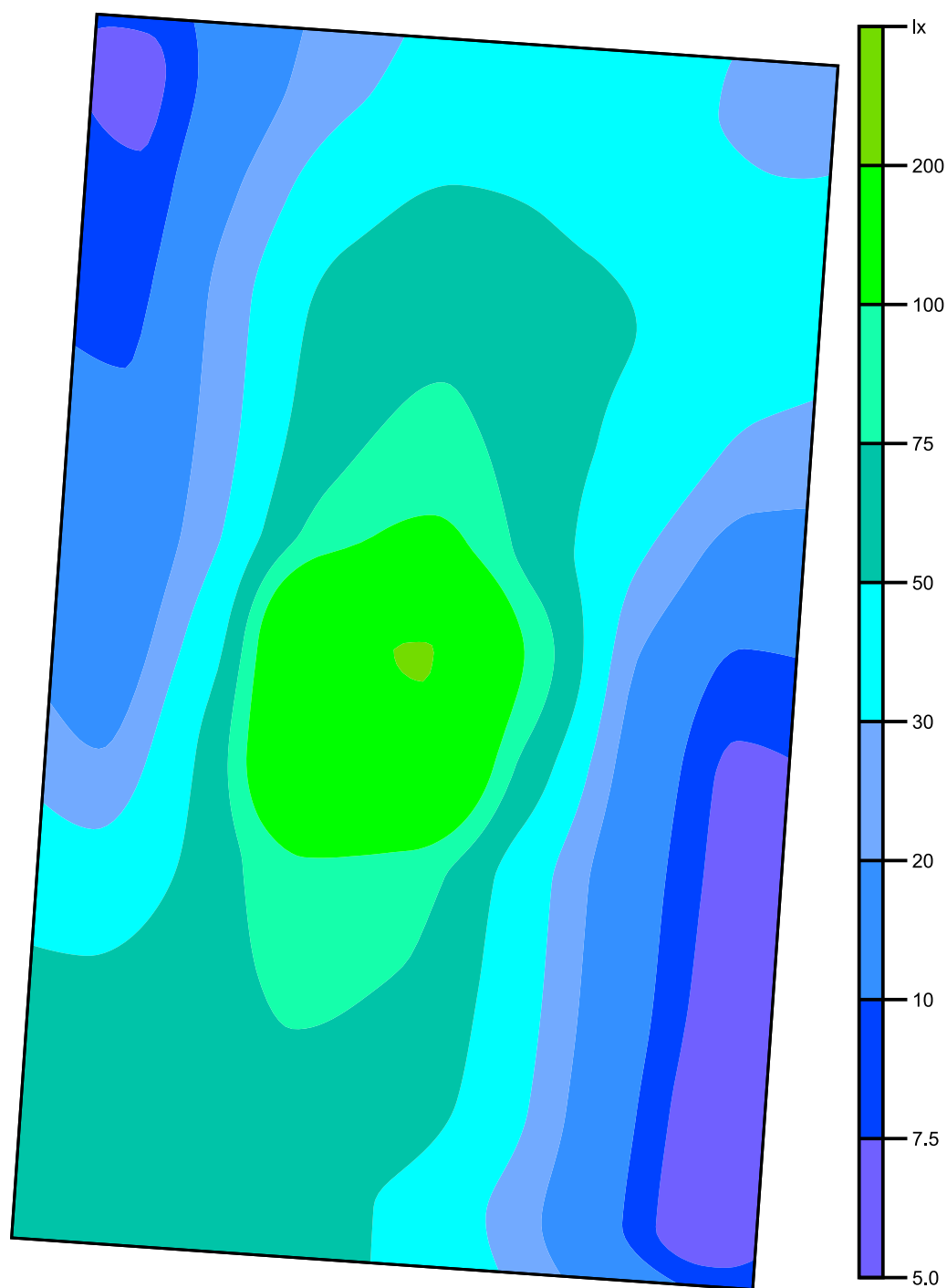
Height: 0.000 m

Isolines [lx]



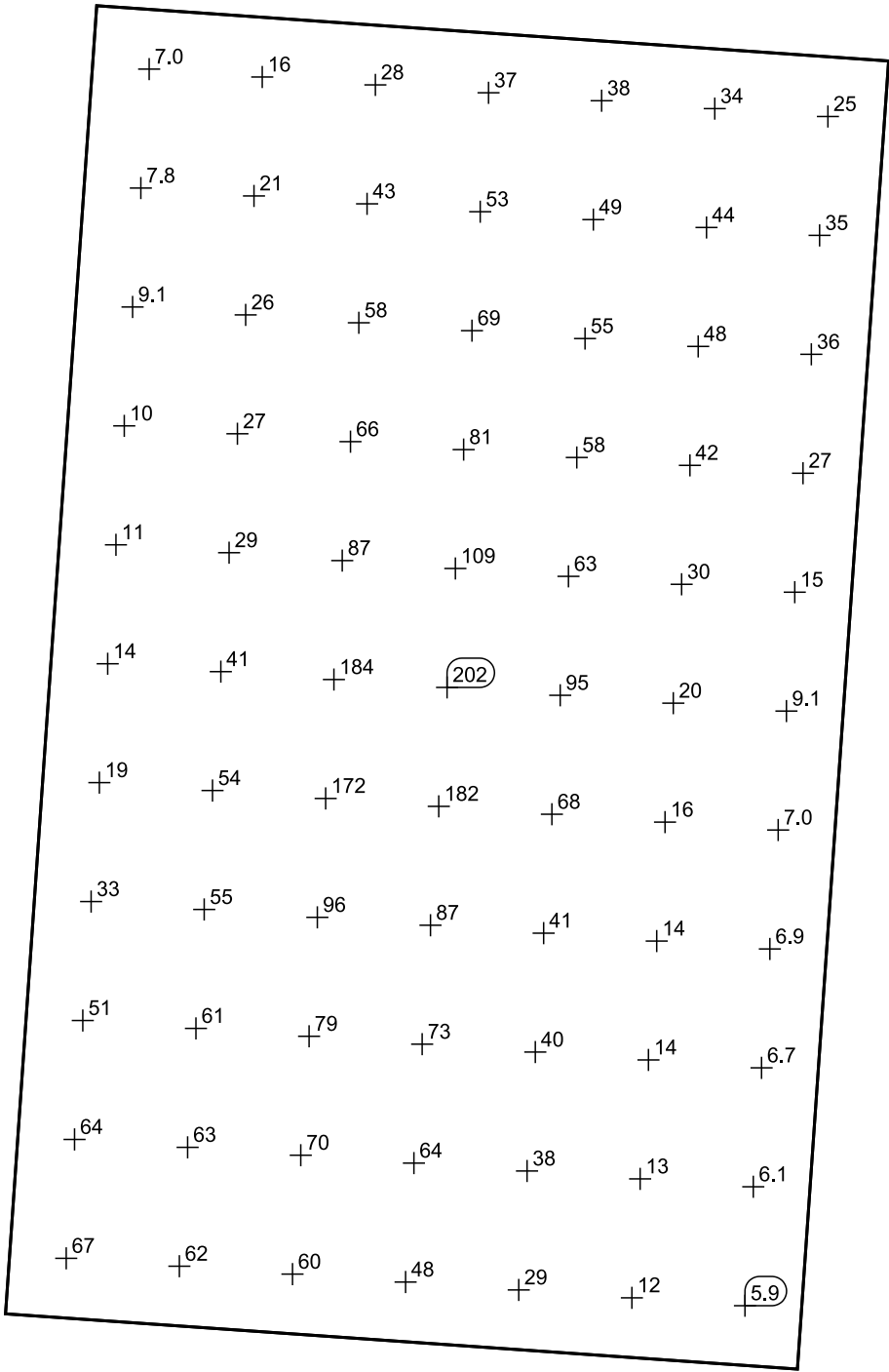
Scale: 1 : 100

False colours [lx]



Scale: 1 : 100

Value grid [lx]



Scale: 1 : 100

Value chart [lx]

m	-4.618	-3.079	-1.539	0.000	1.539	3.079	4.618
8.088	6.98	15.8	28.3	37.3	37.9	33.8	25.4
6.471	7.84	20.9	42.6	53.4	48.9	44.4	34.7
4.853	9.12	26.3	58.3	68.6	54.6	48.5	36.4
3.235	10.4	26.6	65.6	80.6	57.9	42.4	26.5
1.618	11.4	29.1	86.6	109	62.5	30.3	15.3
0.000	13.6	41.2	184	202	94.6	19.7	9.08
-1.618	19.4	54.3	172	182	68.1	16.3	7.04

m	-4.618	-3.079	-1.539	0.000	1.539	3.079	4.618
-3.235	33.3	55.0	96.4	86.7	41.5	14.3	6.90
-4.853	51.1	61.0	79.3	73.2	40.1	14.0	6.67
-6.471	63.9	63.5	70.5	64.5	37.7	13.0	6.12
-8.088	66.9	62.5	59.7	48.3	28.9	12.1	5.85

Calculation surface 6 / Perpendicular illuminance



Maintenance factor: 0.80

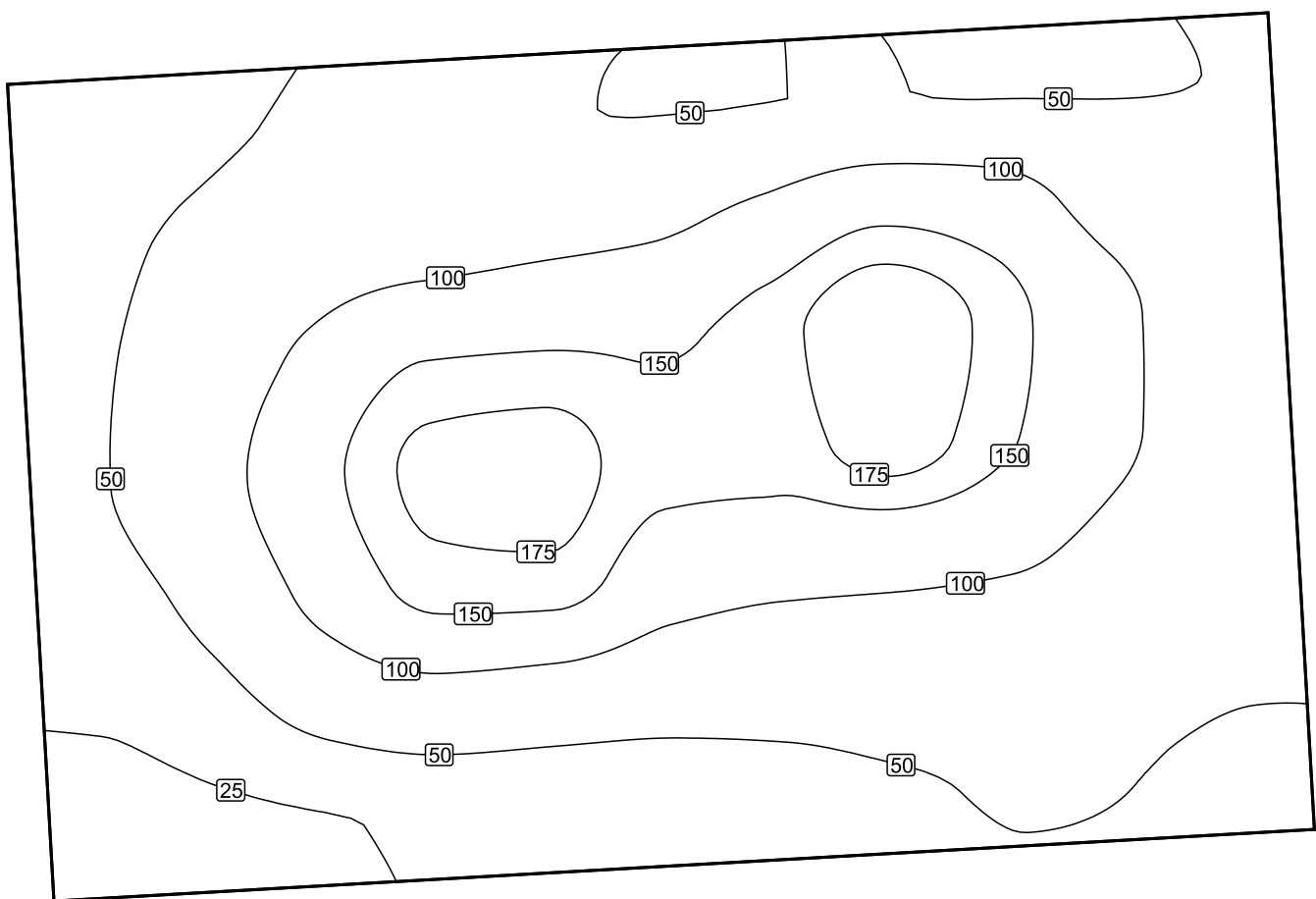
Calculation surface 6: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 85.3 lx, Min: 16.9 lx, Max: 199 lx, Min/average: 0.20, Min/max: 0.08

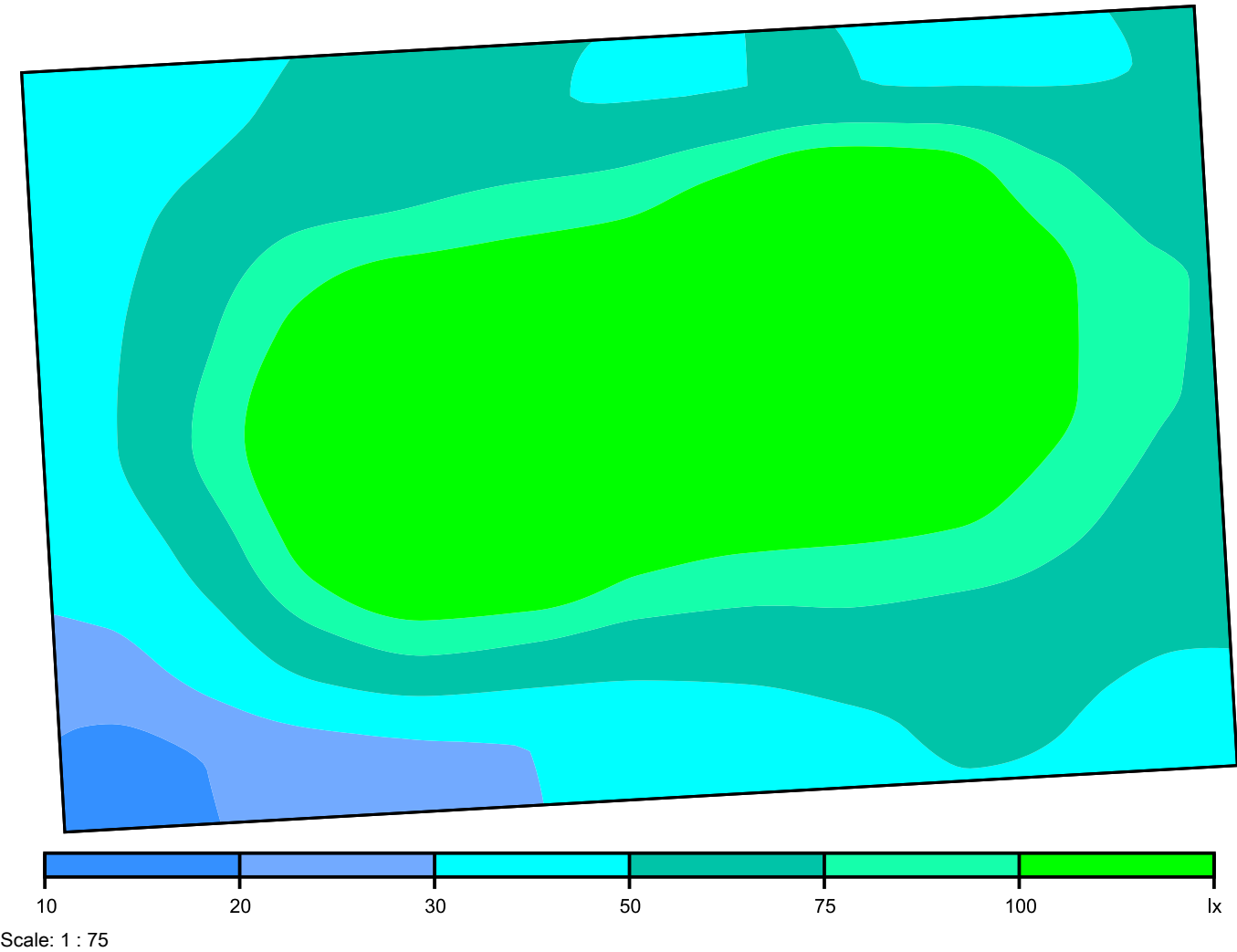
Height: 0.000 m

Isolines [lx]

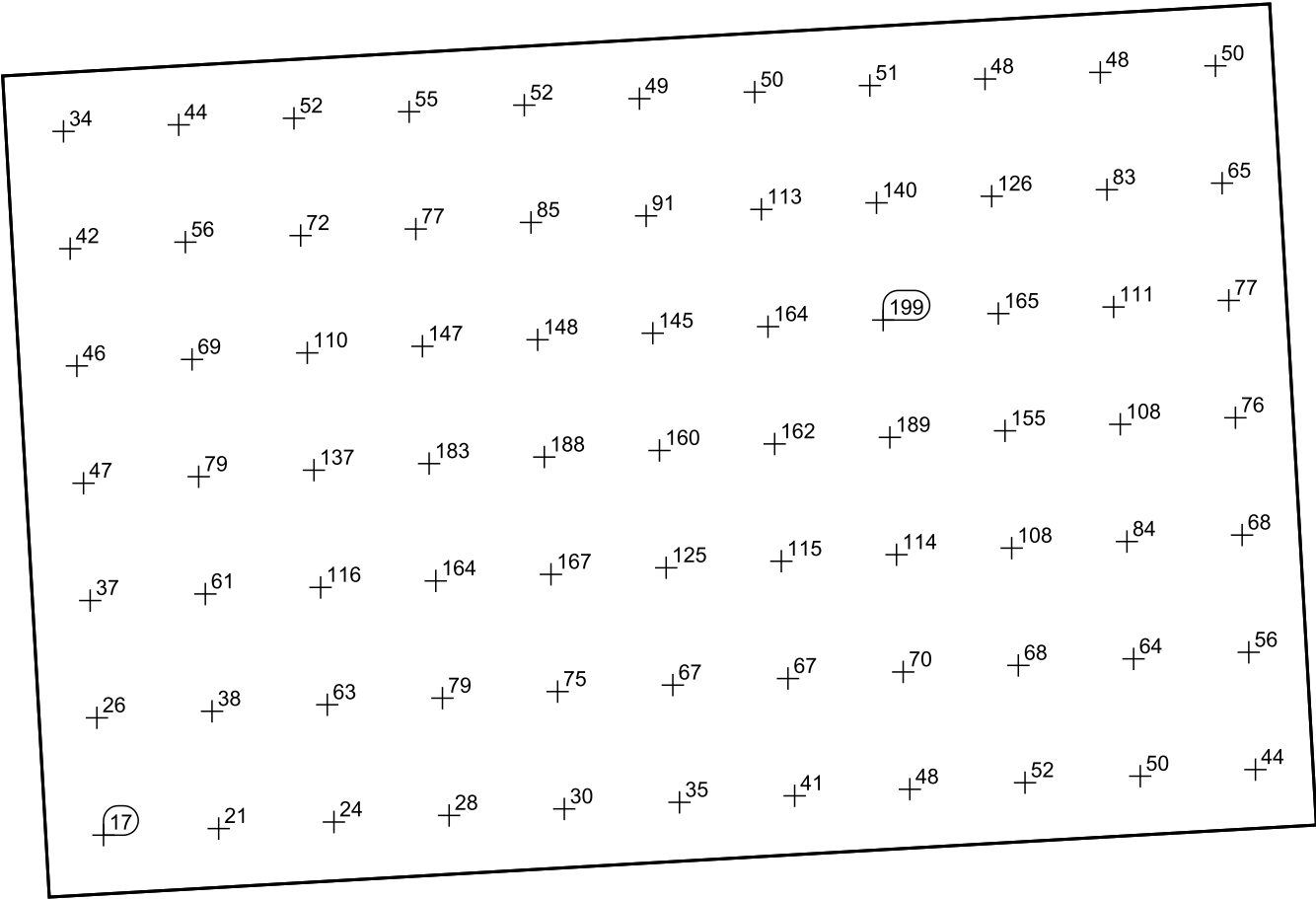


Scale: 1 : 75

False colours [lx]



Value grid [lx]

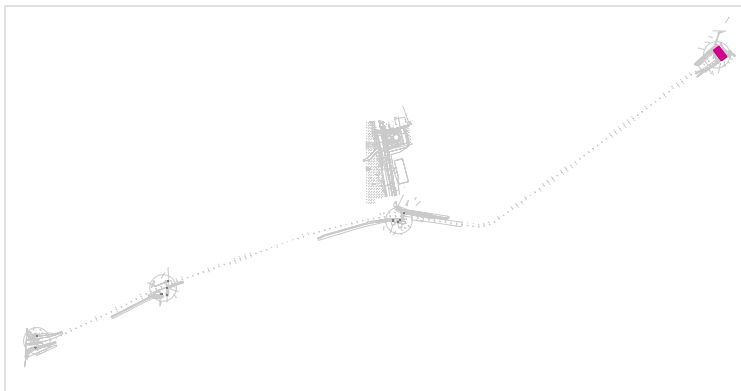


Scale: 1 : 75

Value chart [lx]

m	-5.800	-4.640	-3.480	-2.320	-1.160	0.000	1.160	2.320	3.480	4.640	5.800
3.542	34.4	44.0	52.1	54.7	52.1	49.4	49.7	50.7	48.1	48.3	50.4
2.361	42.2	56.4	71.9	76.5	84.7	91.3	113	140	126	82.8	64.9
1.181	46.3	68.9	110	147	148	145	164	199	165	111	76.9
0.000	46.6	79.4	137	183	188	160	162	189	155	108	76.4
-1.181	37.0	60.5	116	164	167	125	115	114	108	84.5	67.7
-2.361	26.3	38.2	62.9	79.2	75.0	67.3	66.5	70.0	67.9	64.3	56.3
-3.542	16.9	20.6	24.1	27.8	30.3	35.2	41.2	47.5	51.9	50.0	43.9

Calculation surface 7 / Perpendicular illuminance



Maintenance factor: 0.80

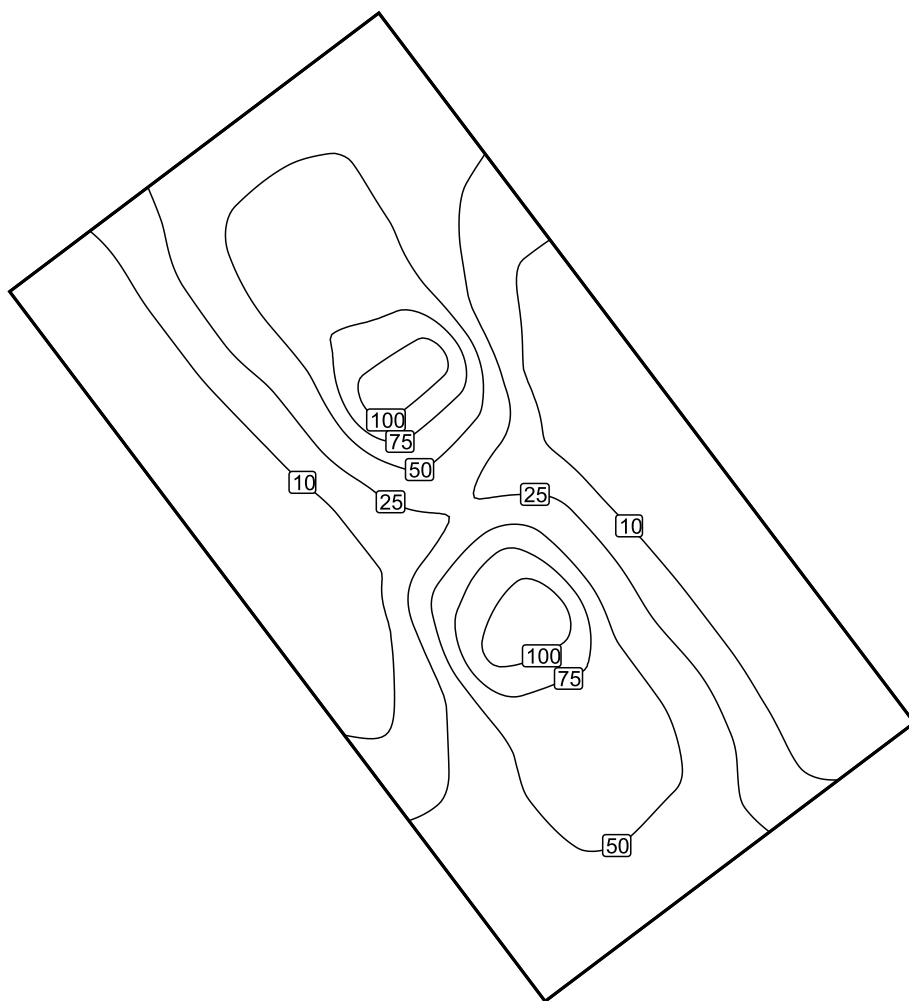
Calculation surface 7: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 31.9 lx, Min: 2.38 lx, Max: 119 lx, Min/average: 0.07, Min/max: 0.02

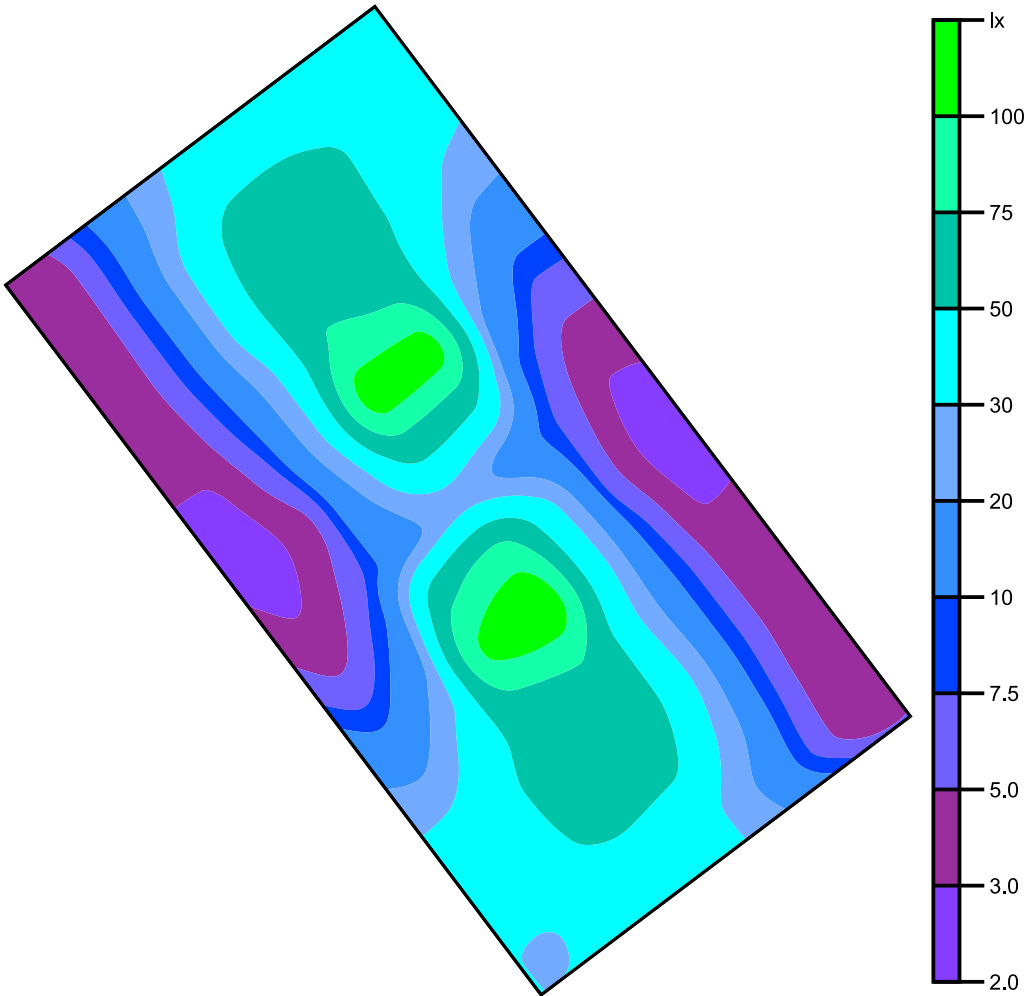
Height: 0.000 m

Isolines [lx]



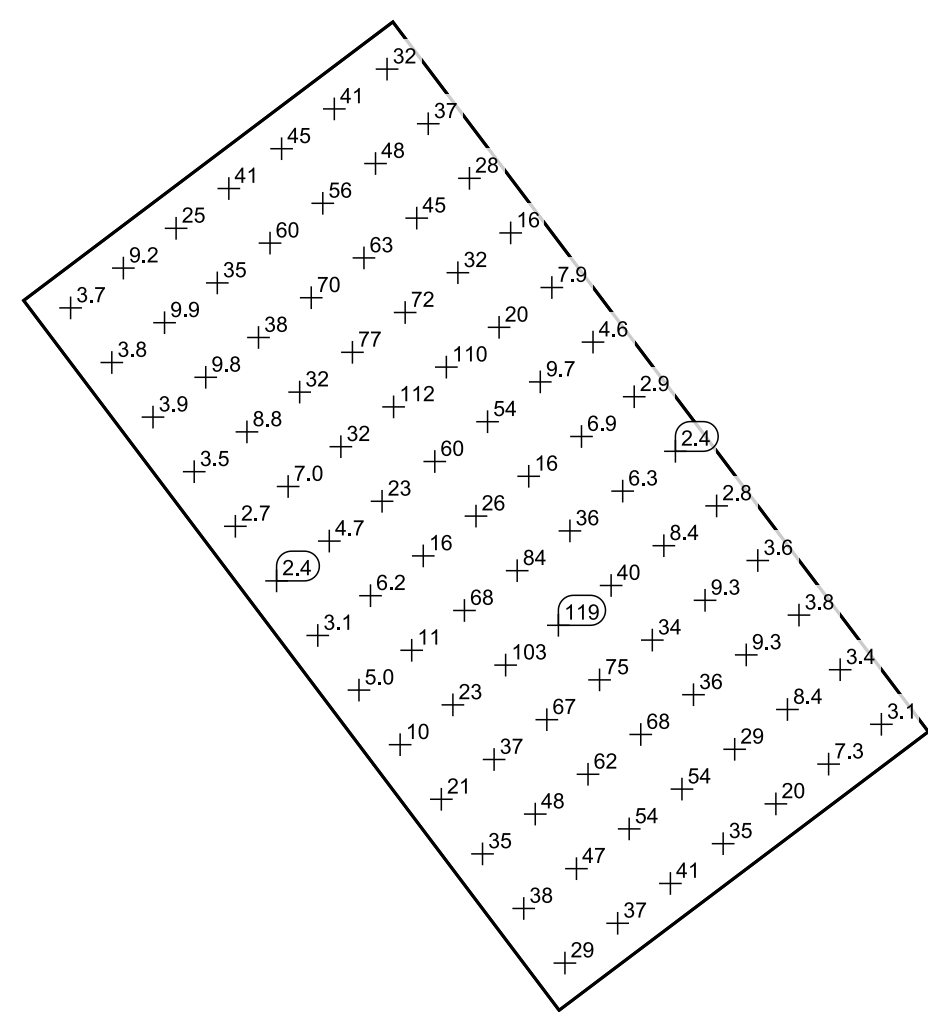
Scale: 1 : 200

False colours [lx]



Scale: 1 : 200

Value grid [lx]



Scale: 1 : 200

Value chart [lx]

m	-5.244	-3.496	-1.748	0.000	1.748	3.496	5.244
10.856	3.72	9.20	25.3	41.3	45.1	41.0	31.6
9.047	3.81	9.86	35.3	59.6	56.0	48.3	37.2
7.237	3.94	9.83	37.5	69.9	62.9	44.8	28.1
5.428	3.54	8.81	31.7	76.6	71.6	32.4	15.7
3.619	2.72	6.98	31.9	112	110	20.1	7.85
1.809	2.38	4.72	23.0	59.8	54.0	9.66	4.58
0.000	3.06	6.24	16.2	26.0	16.0	6.91	2.90
-1.809	5.02	11.1	67.9	83.9	36.0	6.34	2.41
-3.619	10.1	22.5	103	119	40.2	8.44	2.83
-5.428	21.1	37.4	67.1	74.6	33.9	9.28	3.59
-7.237	35.3	47.9	62.3	67.7	36.2	9.33	3.77
-9.047	38.4	47.4	54.4	53.5	29.4	8.41	3.42
-10.856	28.7	37.3	41.0	34.8	20.0	7.30	3.14