

2473 - Barnsley_External Project

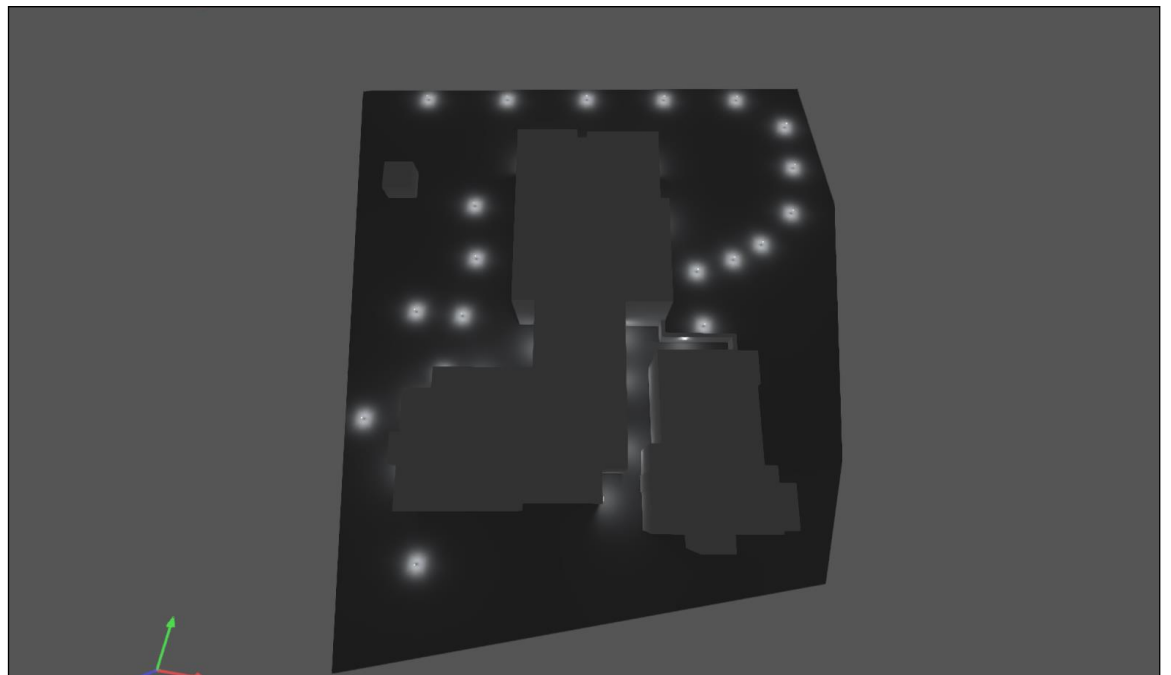
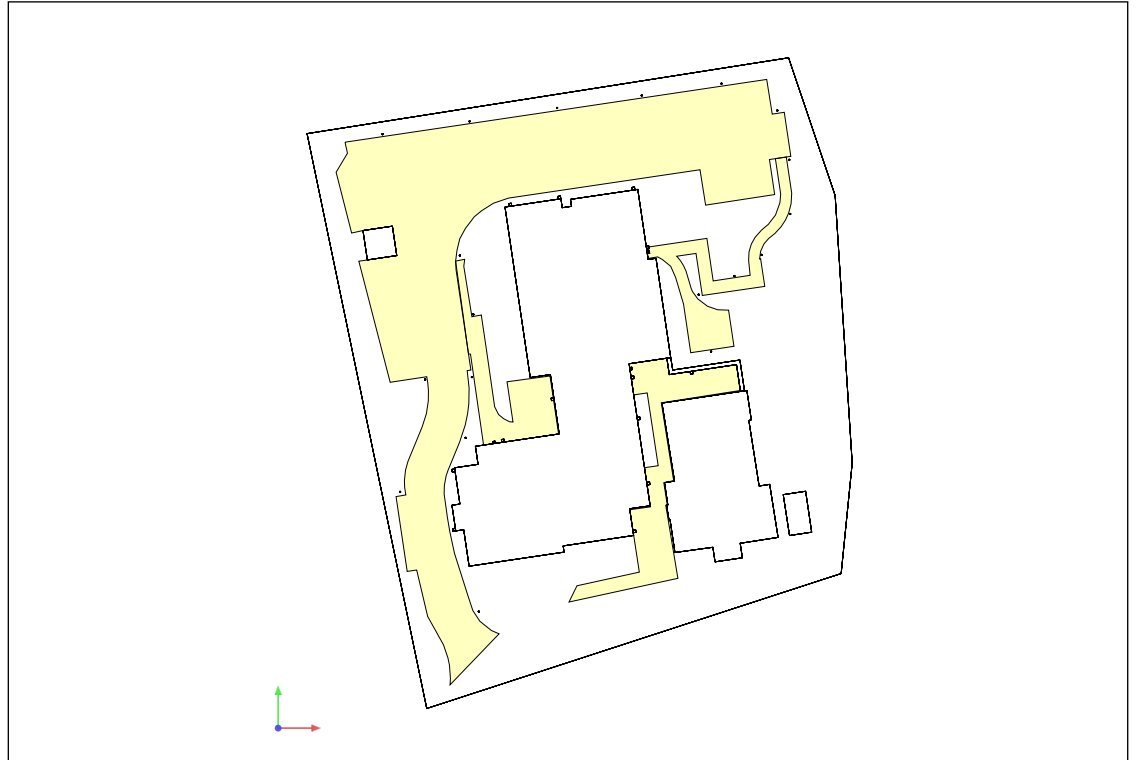


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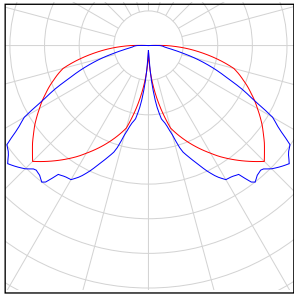
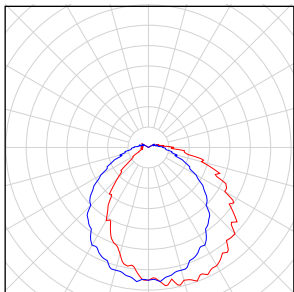
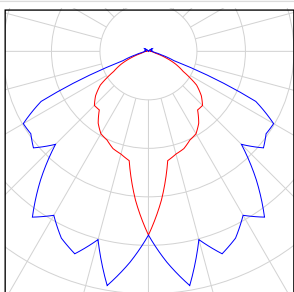
 Carpark / Regular Mode / Horizontal illuminance.....26

 Pathway 1 / Regular Mode / Horizontal illuminance.....30

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2473 - Barnsley_External Project

Quantity	Luminaire (Luminous emittance)		
19	Kingfisher Lighting Ltd - 20w LED Deco Bollard DECCO BOLLARD 20WATT_2500986524 Luminous emittance 1 Fitting: 1x20w LED Light output ratio: 76.24% Lamp luminous flux: 1734 lm Luminaire luminous flux: 1322 lm Power: 20.0 W Luminous efficacy: 66.1 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A30 Luminaire classification in acc. with BZ: BZ 8/0.75/BZ 7/1.00/BZ 6 Luminaire classification in acc. with UTE: 0.76G+0.00T Luminaire classification in acc. with CIE: 100 CIE flux code: 31 69 92 100 76	See our luminaire catalog for an image of the luminaire.	
13	Kingfisher Lighting Ltd - 25w LED Alfresco bulkhead with hood KINGFISHER ALFRESCO 25WATT EYELID BULKHEAD EMERGENCY_2500986663 Luminous emittance 1 Fitting: 1x25W LED Light output ratio: 50.12% Lamp luminous flux: 2081 lm Luminaire luminous flux: 1043 lm Power: 25.0 W Luminous efficacy: 41.7 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A41 Luminaire classification in acc. with BZ: BZ 5 Luminaire classification in acc. with UTE: 0.47E+0.04T Luminaire classification in acc. with CIE: 93 CIE flux code: 45 75 91 93 50	See our luminaire catalog for an image of the luminaire.	
3	NEWLEC - NNE-2-LED-M3V-3.IES NEWLEC IP65 BULKHEAD EMERGENCY_1051088376 Luminous emittance 1 Fitting: 1x65 lm, 3.7 W Light output ratio: 100% Lamp luminous flux: 65 lm Luminaire luminous flux: 65 lm Power: 3.7 W Luminous efficacy: 17.6 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A41 Luminaire classification in acc. with BZ: BZ 6/0.75/BZ 5 Luminaire classification in acc. with UTE: 0.98D+0.02T Luminaire classification in acc. with CIE: 98 CIE flux code: 46 80 97 98 100	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 60194 lm, Total luminaire luminous flux: 38872 lm, Total Load: 716.1 W, Luminous efficacy: 54.3 lm/W

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No.	Control group	Luminaire
1	Control group 50	9 x Kingfisher Lighting Ltd - 25w LED Alfresco bulkhead with hood KINGFISHER ALFRESCO 25WATT EYELID BULKHEAD EMERGENCY_2500986663
2	Control group 60	3 x NEWLEC - NNE-2-LED-M3V-3.IES NEWLEC IP65 BULKHEAD EMERGENCY_1051088376
3	Control group 61	14 x Kingfisher Lighting Ltd - 20w LED Deco Bollard DECCO BOLLARD 20WATT_2500986524
4	Control group 62	4 x Kingfisher Lighting Ltd - 25w LED Alfresco bulkhead with hood KINGFISHER ALFRESCO 25WATT EYELID BULKHEAD EMERGENCY_2500986663
5	Control group 63	5 x Kingfisher Lighting Ltd - 20w LED Deco Bollard DECCO BOLLARD 20WATT_2500986524

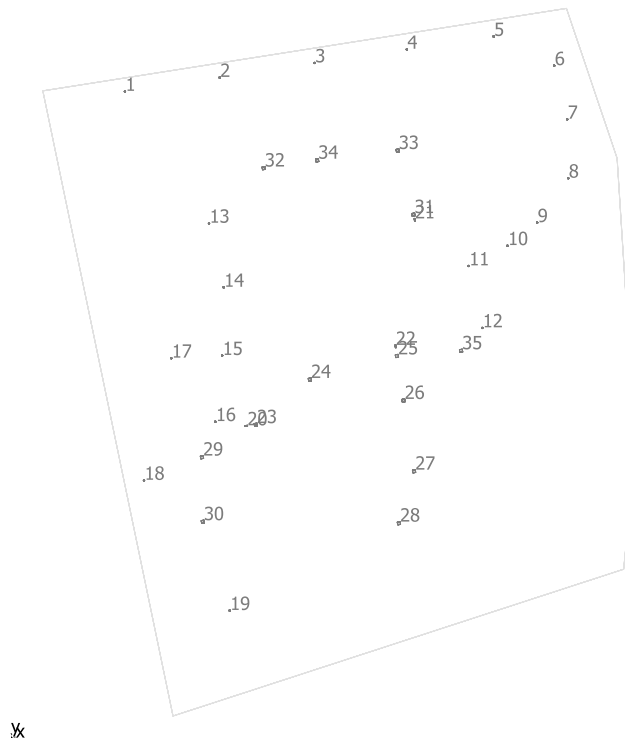
Regular Mode

Control group	Dimming values	Control group	Dimming values	Control group	Dimming values
Control group 50	100%	Control group 61	100%	Control group 63	100%
Control group 60	100%	Control group 62	100%		

Emergency Mode

Control group	Dimming values	Control group	Dimming values	Control group	Dimming values
Control group 50	0%	Control group 61	0%	Control group 63	10%
Control group 60	100%	Control group 62	10%		

Site 1



Kingfisher Lighting Ltd 20w LED Deco Bollard DECCO BOLLARD 20WATT_2500986524

No.	X [m]	Y [m]	Mounting height [m]	Maintenance factor
1	14.186	80.694	1.000	0.80
2	26.014	82.436	1.000	0.80
3	37.900	84.258	1.000	0.80
4	49.406	85.953	1.000	0.80
5	60.243	87.562	1.000	0.80
6	67.826	83.914	1.000	0.80
7	69.448	77.213	1.000	0.80
8	69.575	69.853	1.000	0.80
9	65.690	64.297	1.000	0.80
10	61.986	61.426	1.000	0.80
11	57.139	58.891	1.000	0.80
12	58.826	51.149	1.000	0.80
13	24.689	64.218	1.000	0.80
14	26.513	56.214	1.000	0.80
15	26.331	47.697	1.000	0.80
16	25.480	39.435	1.000	0.80
17	19.972	47.360	1.000	0.80
18	16.567	32.099	1.000	0.80
19	27.261	15.834	1.000	0.80

NEWLEC NNE-2-LED-M3V-3.IES NEWLEC IP65 BULKHEAD EMERGENCY_1051088376

No.	X [m]	Y [m]	Mounting height [m]	Maintenance factor
20	29.333	38.909	2.500	0.80
21	50.403	64.656	2.500	0.80
22	48.011	48.852	2.500	0.80

Kingfisher Lighting Ltd 25w LED Alfresco bulkhead with hood KINGFISHER ALFRESCO 25WATT EYELID BULKHEAD EMERGENCY_2500986663

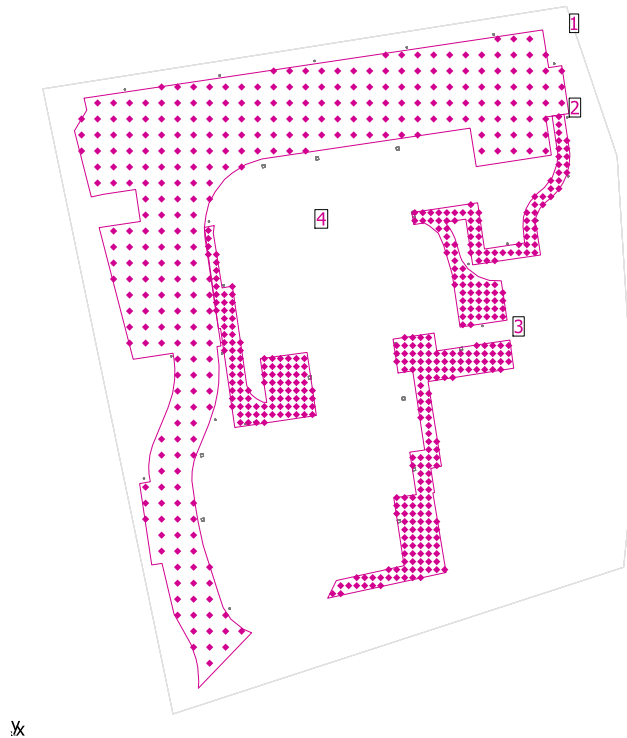
No.	X [m]	Y [m]	Mounting height [m]	Maintenance factor
23	30.540	39.055	2.500	0.80
24	37.295	44.695	2.500	0.80
25	48.172	47.645	2.500	0.80
26	48.994	42.075	2.500	0.80
27	50.312	33.242	2.500	0.80
28	48.420	26.751	2.500	0.80
29	23.812	34.999	2.500	0.80
30	23.919	26.931	2.500	0.80
31	50.231	65.300	2.500	0.80
32	31.528	71.113	2.500	0.80
33	48.269	73.309	2.500	0.80
34	38.203	72.090	2.500	0.80
35	56.187	48.288	2.500	0.80

Site 1

Quantity	Luminaire (Luminous emittance)		
19	Kingfisher Lighting Ltd - 20w LED Deco Bollard DECCO BOLLARD 20WATT_2500986524 Luminous emittance 1 Fitting: 1x20w LED Light output ratio: 76.24% Lamp luminous flux: 1734 lm Luminaire luminous flux: 1322 lm Power: 20.0 W Luminous efficacy: 66.1 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A30 Luminaire classification in acc. with BZ: BZ 8/0.75/BZ 7/1.00/BZ 6 Luminaire classification in acc. with UTE: 0.76G+0.00T Luminaire classification in acc. with CIE: 100 CIE flux code: 31 69 92 100 76	See our luminaire catalog for an image of the luminaire.	
13	Kingfisher Lighting Ltd - 25w LED Alfresco bulkhead with hood KINGFISHER ALFRESCO 25WATT EYELID BULKHEAD EMERGENCY_2500986663 Luminous emittance 1 Fitting: 1x25W LED Light output ratio: 50.12% Lamp luminous flux: 2081 lm Luminaire luminous flux: 1043 lm Power: 25.0 W Luminous efficacy: 41.7 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A41 Luminaire classification in acc. with BZ: BZ 5 Luminaire classification in acc. with UTE: 0.47E+0.04T Luminaire classification in acc. with CIE: 93 CIE flux code: 45 75 91 93 50	See our luminaire catalog for an image of the luminaire.	
3	NEWLEC - NNE-2-LED-M3V-3.IES NEWLEC IP65 BULKHEAD EMERGENCY_1051088376 Luminous emittance 1 Fitting: 1x65 lm, 3.7 W Light output ratio: 100% Lamp luminous flux: 65 lm Luminaire luminous flux: 65 lm Power: 3.7 W Luminous efficacy: 17.6 lm/W Colourimetric data 1x: CCT 3000 K, CRI 100 Luminaire classification in acc. with DIN: A41 Luminaire classification in acc. with BZ: BZ 6/0.75/BZ 5 Luminaire classification in acc. with UTE: 0.98D+0.02T Luminaire classification in acc. with CIE: 98 CIE flux code: 46 80 97 98 100	See our luminaire catalog for an image of the luminaire.	

Total lamp luminous flux: 60194 lm, Total luminaire luminous flux: 38872 lm, Total Load: 716.1 W, Luminous efficacy: 54.3 lm/W

Site 1

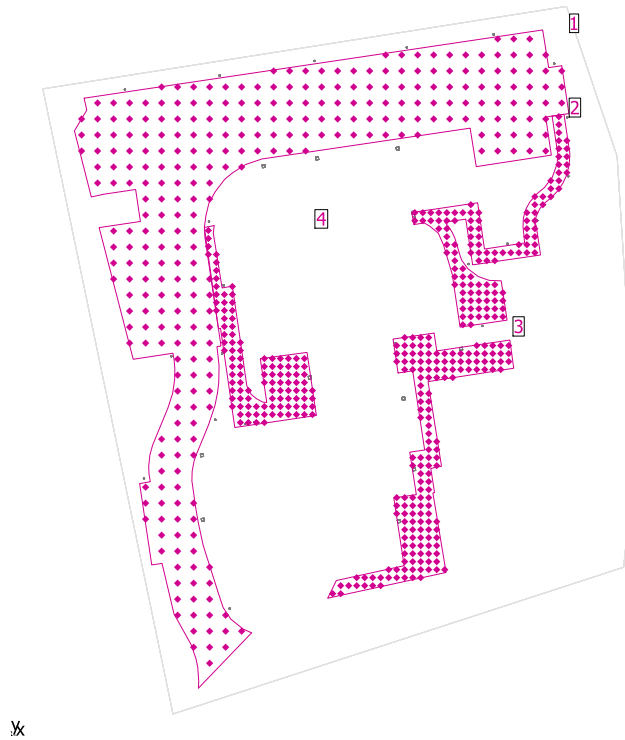


Maintenance factor: 0.80

General

Surface	Result	Average	Min	Max	Min/average	Min/max
1 Carpark	Horizontal illuminance [lx] Height: 0.000 m	0.015	0.000	1.68	0.00	0.00
2 Pathway 1	Horizontal illuminance [lx] Height: 0.000 m	1.74	0.023	19.2	0.013	0.001
3 Pathway 3	Horizontal illuminance [lx] Height: 0.000 m	1.26	0.002	5.04	0.002	0.000
4 Pathway 4	Horizontal illuminance [lx] Height: 0.000 m	0.23	0.001	2.52	0.004	0.000

Site 1

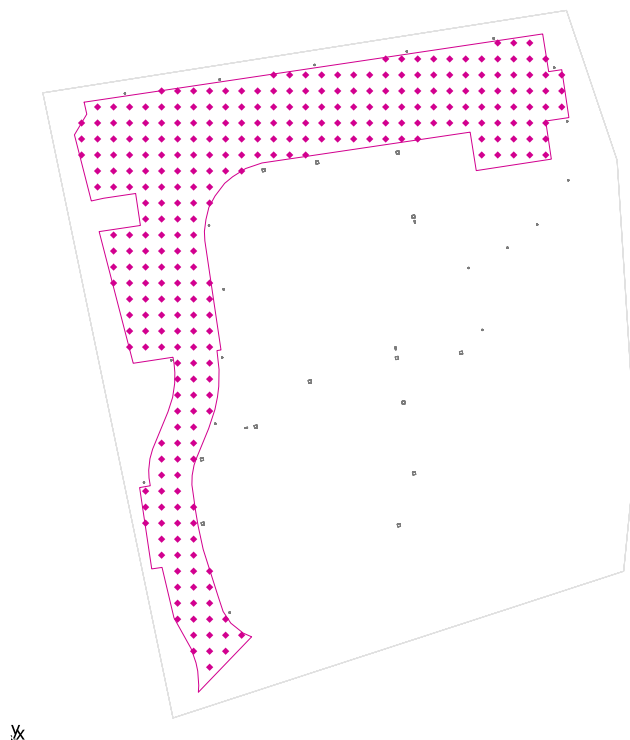


Maintenance factor: 0.80

General

Surface	Result	Average	Min	Max	Min/average	Min/max
1 Carpark	Horizontal illuminance [lx] Height: 0.000 m	6.03	0.048	142	0.008	0.000
2 Pathway 1	Horizontal illuminance [lx] Height: 0.000 m	21.0	1.16	192	0.055	0.006
3 Pathway 3	Horizontal illuminance [lx] Height: 0.000 m	14.3	0.058	55.8	0.004	0.001
4 Pathway 4	Horizontal illuminance [lx] Height: 0.000 m	19.5	1.54	189	0.079	0.008

Carpark / Emergency Mode / Horizontal illuminance



Maintenance factor: 0.80

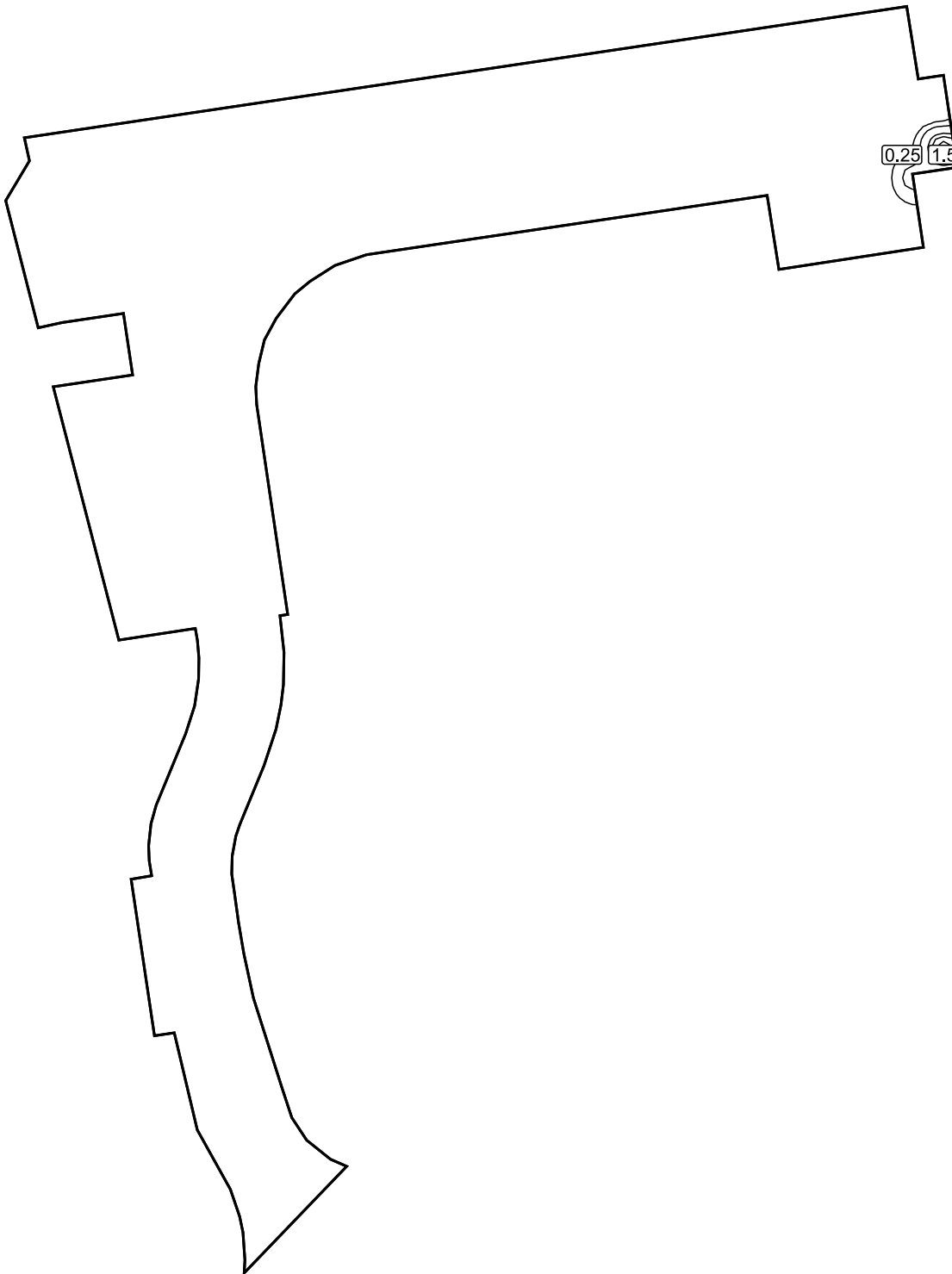
Carpark: Horizontal illuminance (Grid)

Light scene: Emergency Mode

Average: 0.015 lx, Min: 0.000 lx, Max: 1.68 lx, Min/average: 0.00, Min/max: 0.00

Height: 0.000 m

Isolines [lx]



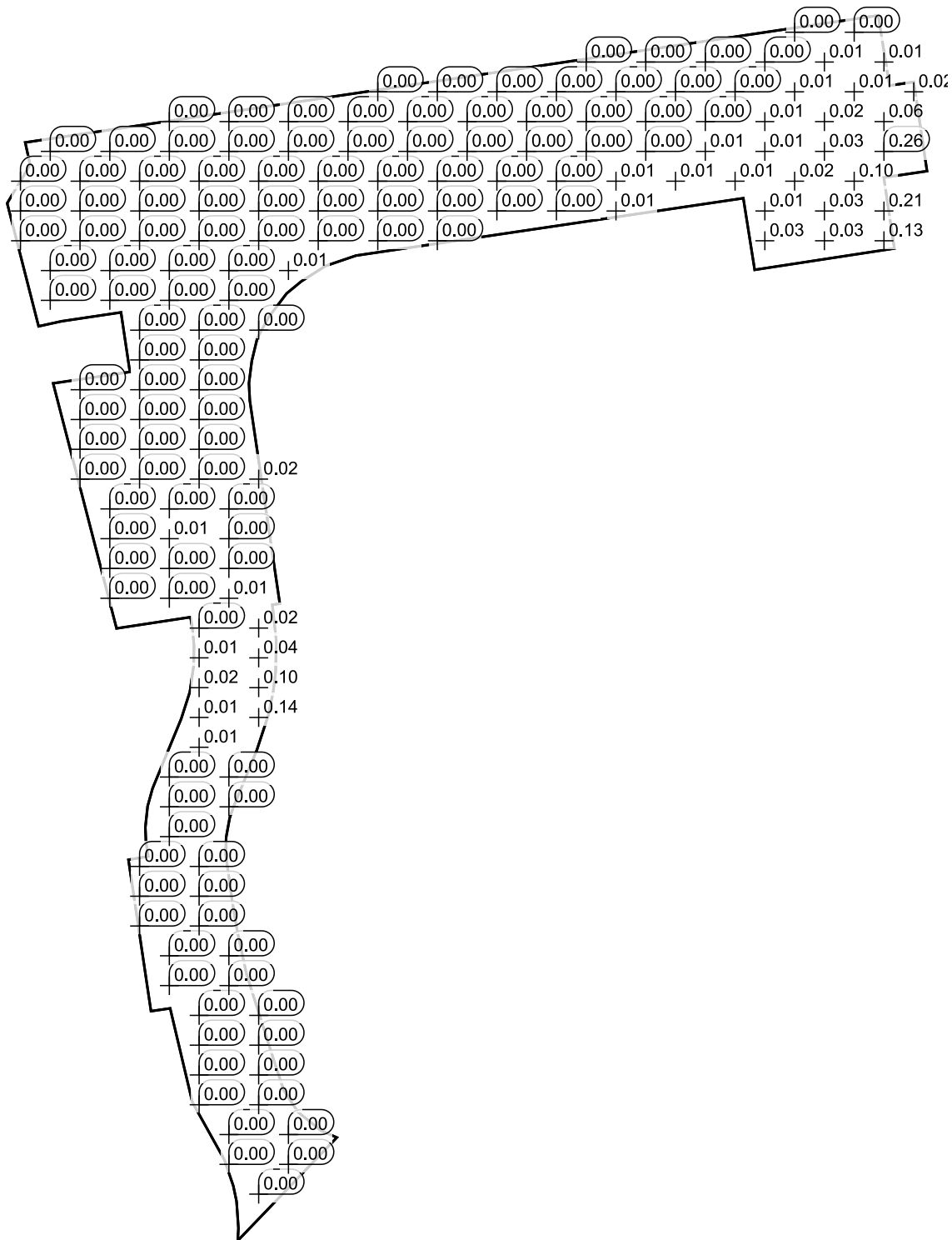
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False colours [lx]



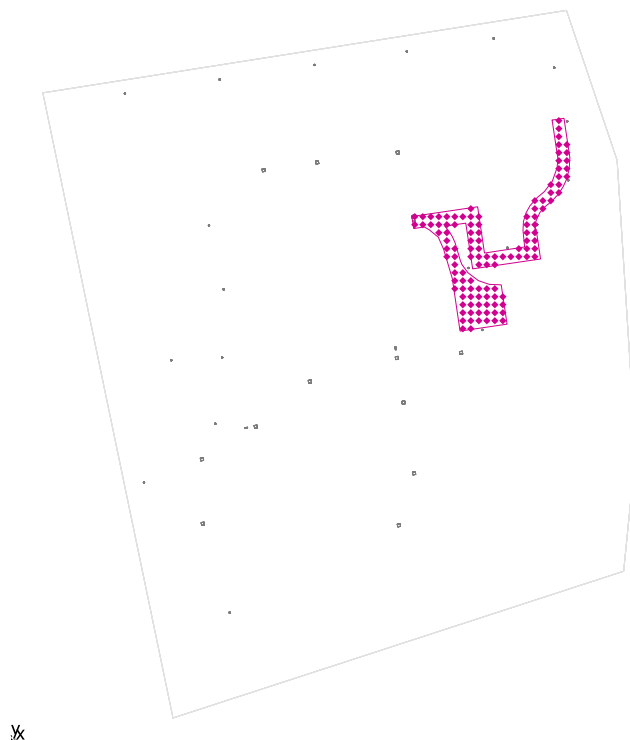
Scale: 1 : 423

Value grid [lx]



Scale: 1 : 423

Pathway 1 / Emergency Mode / Horizontal illuminance



Maintenance factor: 0.80

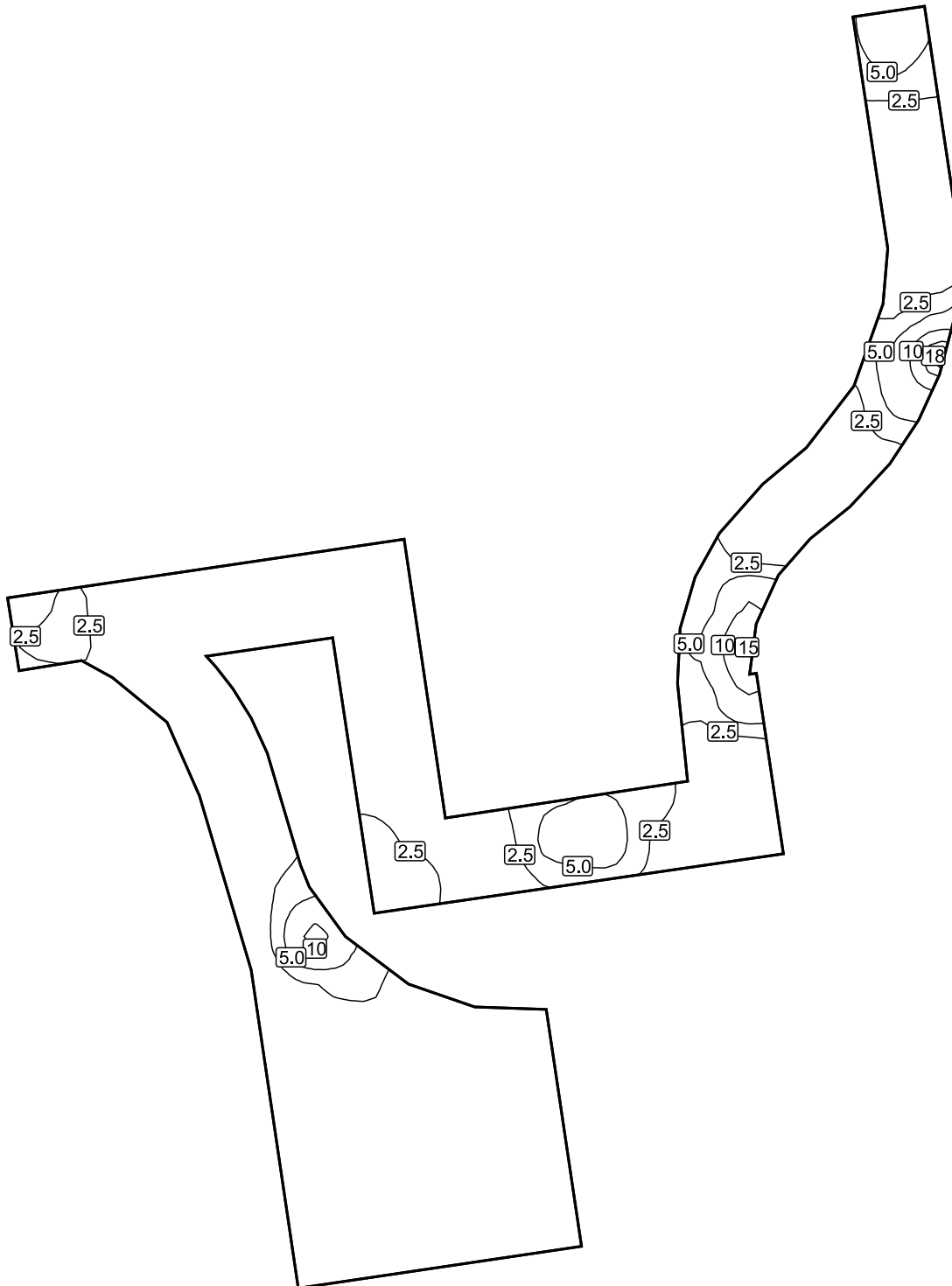
Pathway 1: Horizontal illuminance (Grid)

Light scene: Emergency Mode

Average: 1.74 lx, Min: 0.023 lx, Max: 19.2 lx, Min/average: 0.013, Min/max: 0.001

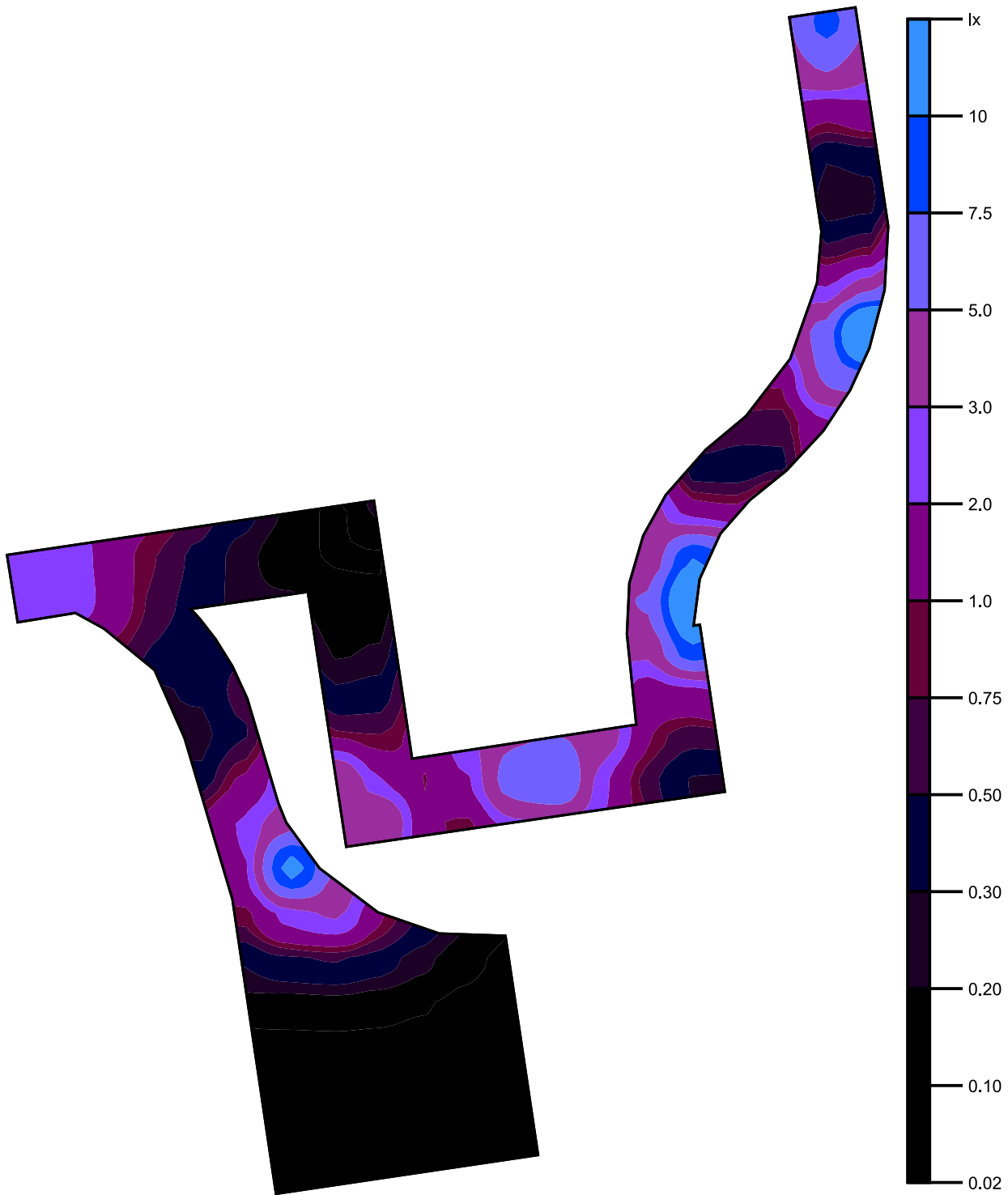
Height: 0.000 m

Isolines [lx]



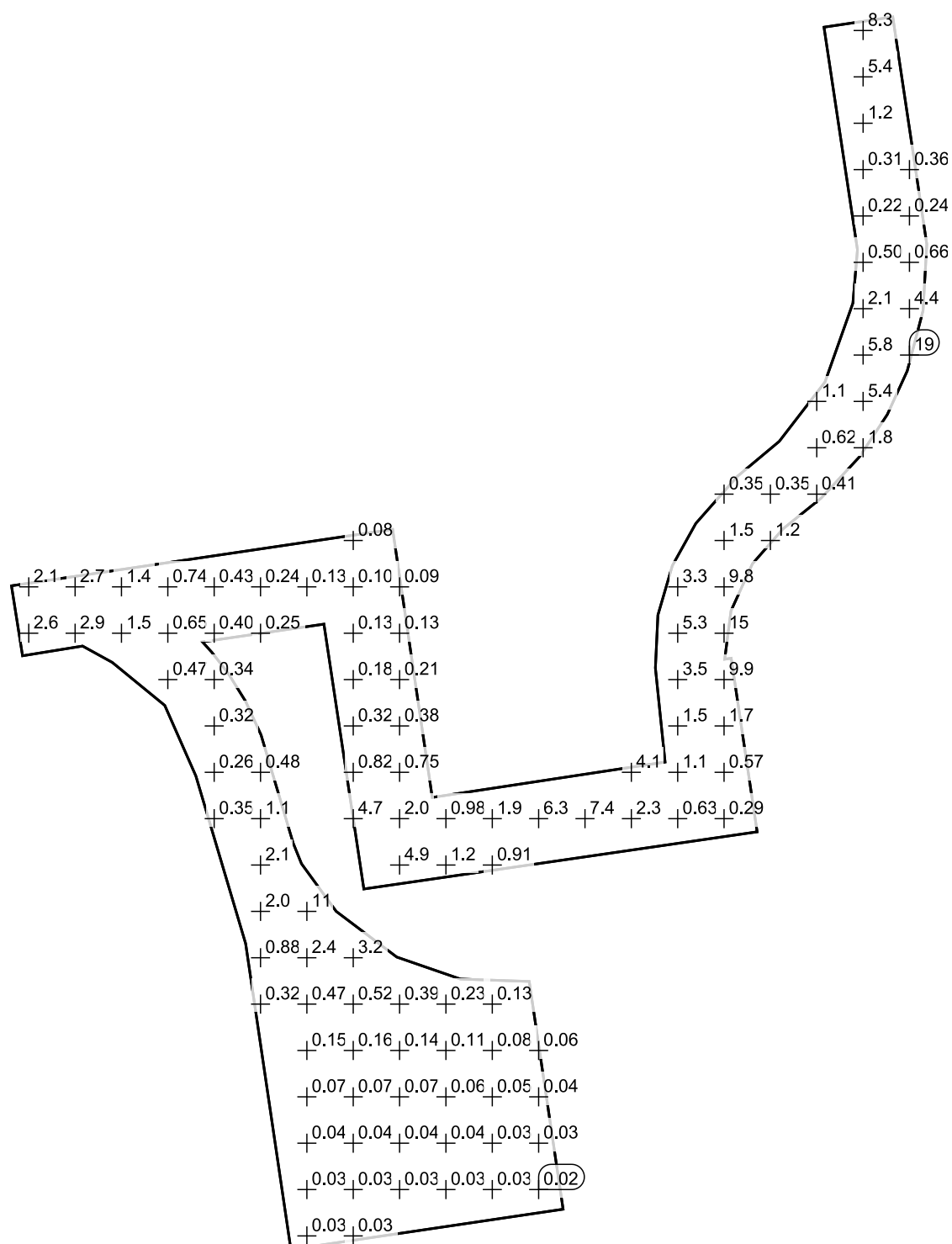
Scale: 1 : 137

False colours [lx]



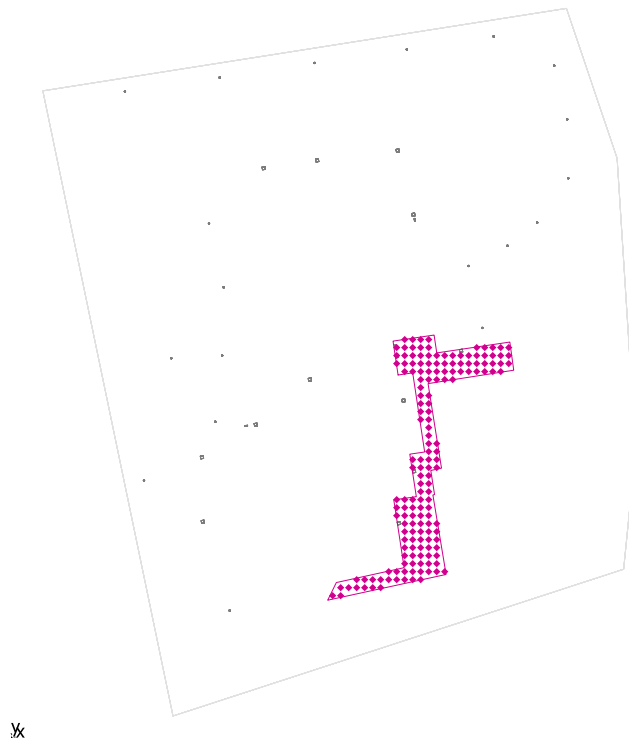
Scale: 1 : 137

Value grid [lx]



Scale: 1 : 137

Pathway 3 / Emergency Mode / Horizontal illuminance



Maintenance factor: 0.80

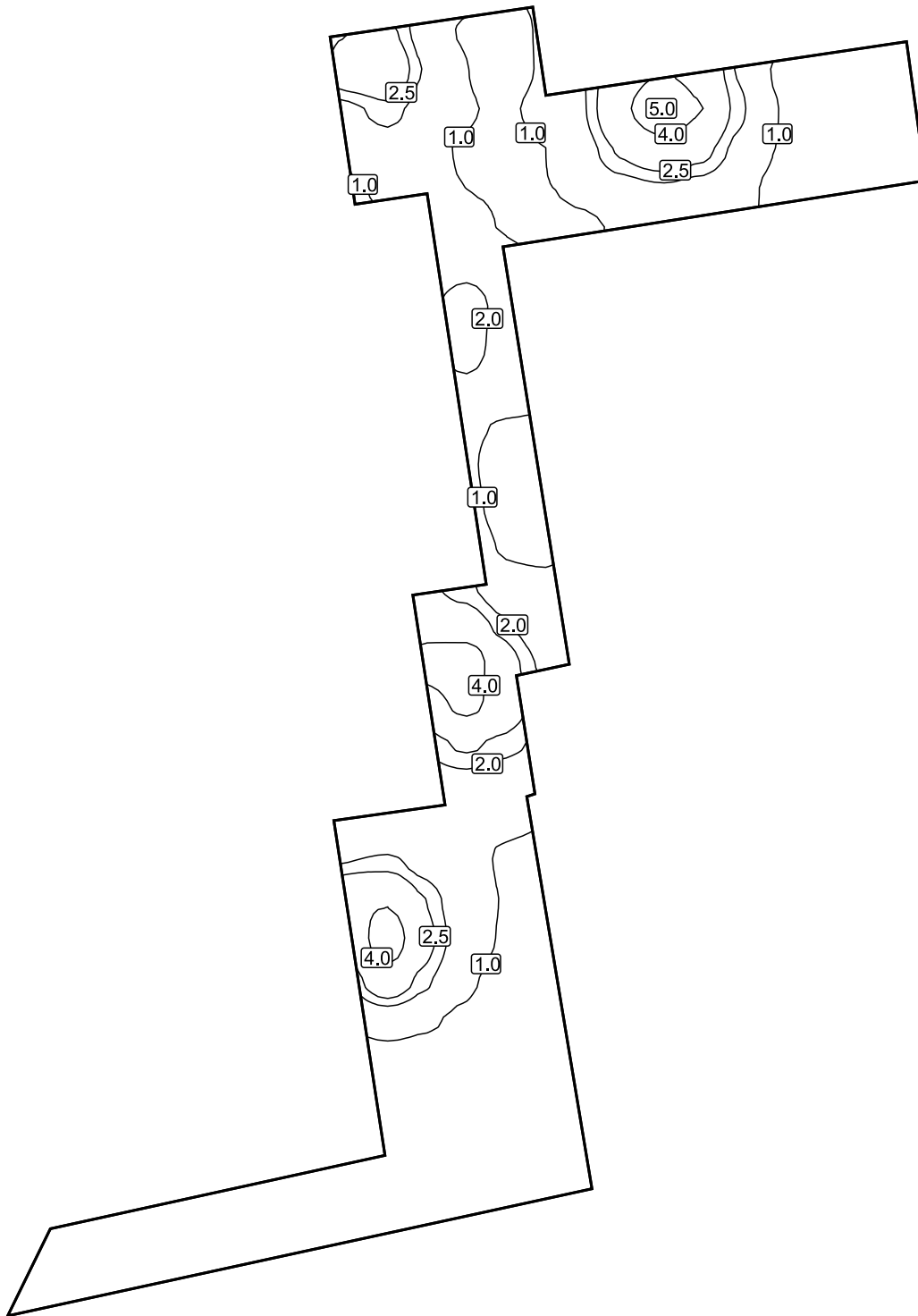
Pathway 3: Horizontal illuminance (Grid)

Light scene: Emergency Mode

Average: 1.26 lx, Min: 0.002 lx, Max: 5.04 lx, Min/average: 0.002, Min/max: 0.000

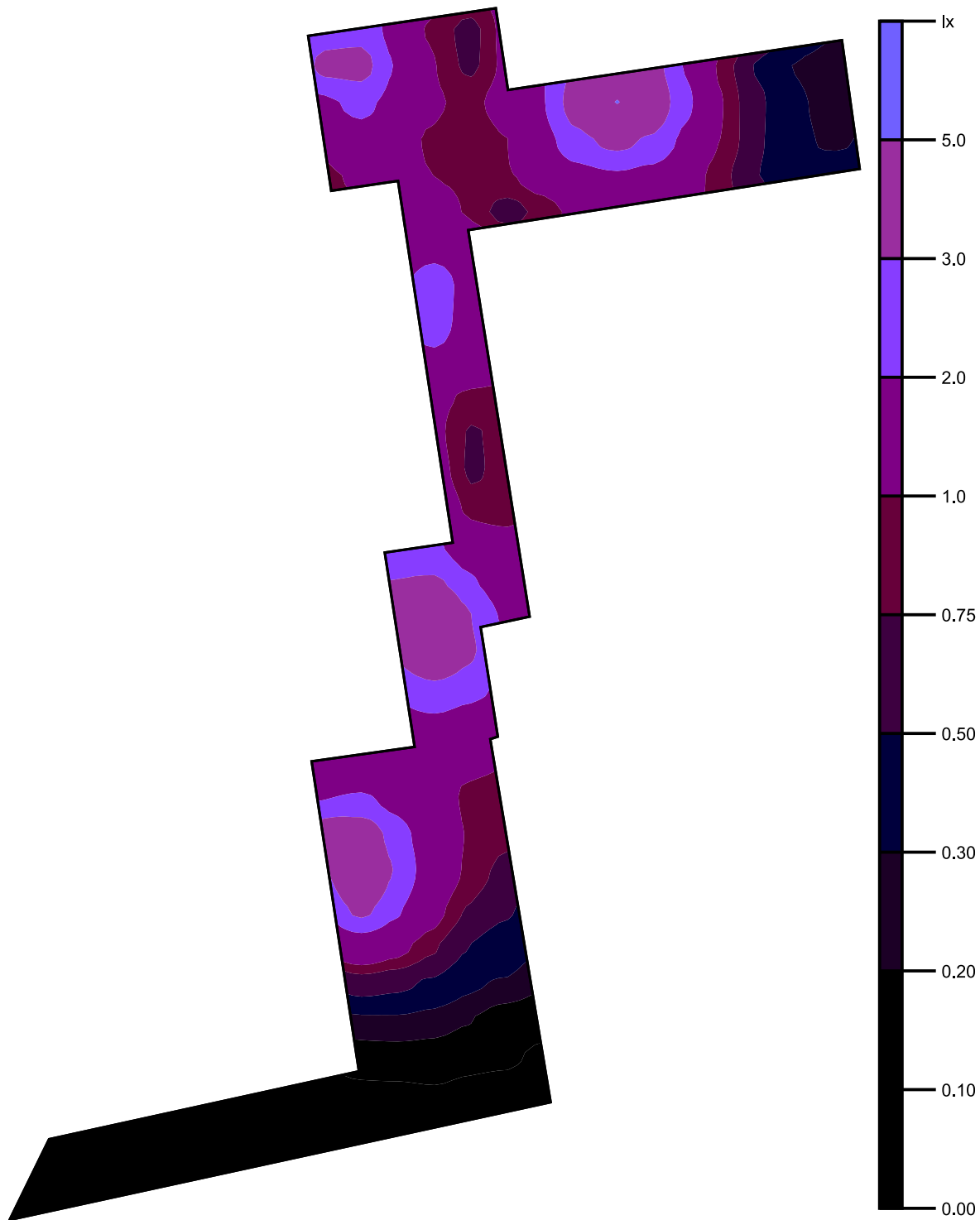
Height: 0.000 m

Isolines [lx]



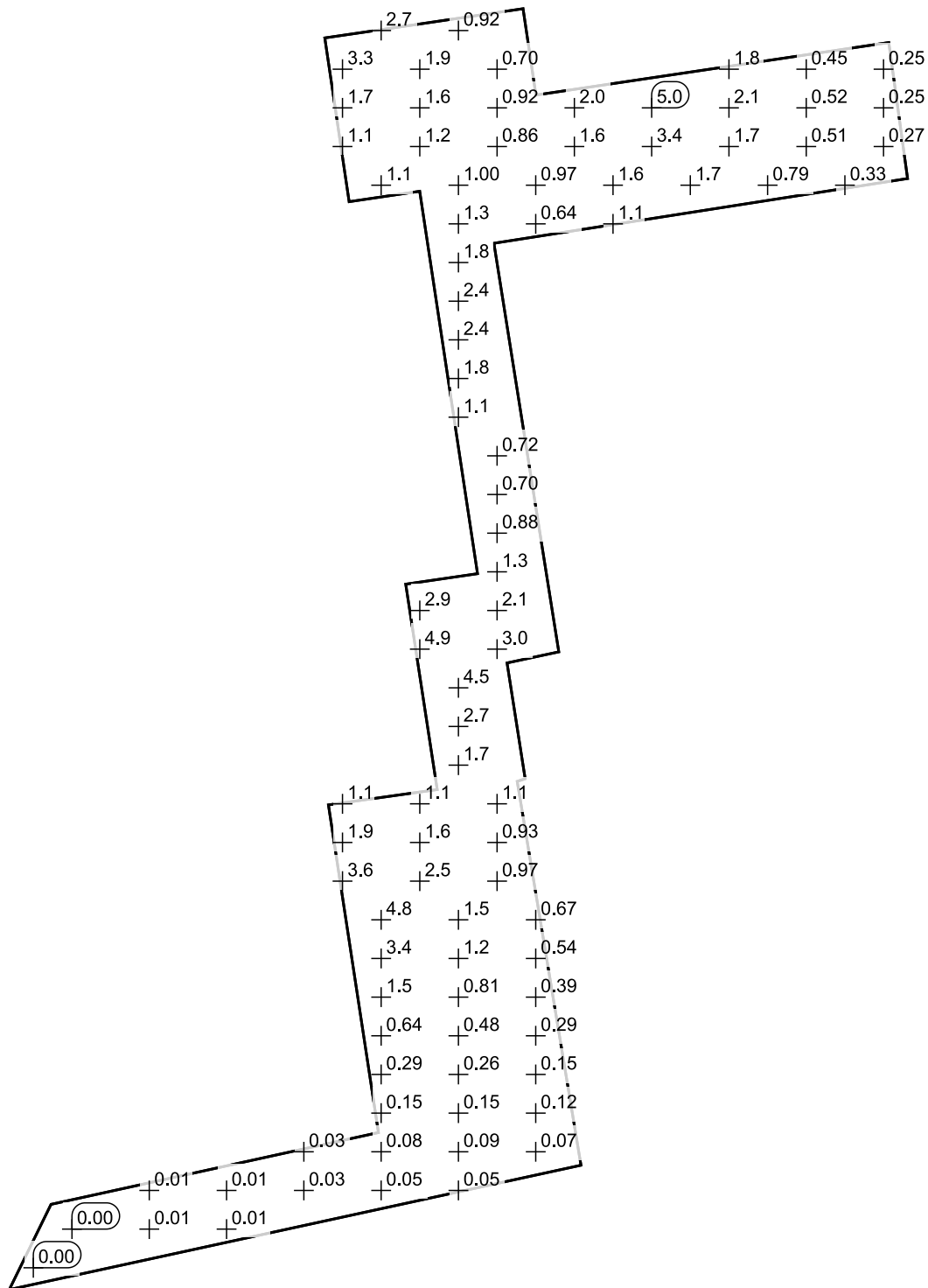
Scale: 1 : 171

False colours [lx]



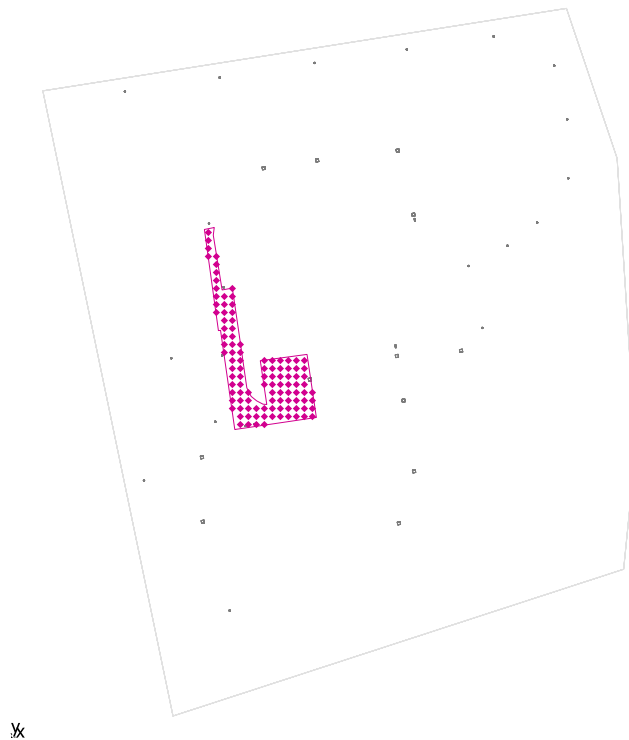
Scale: 1 : 171

Value grid [lx]



Scale: 1 : 171

Pathway 4 / Emergency Mode / Horizontal illuminance



Maintenance factor: 0.80

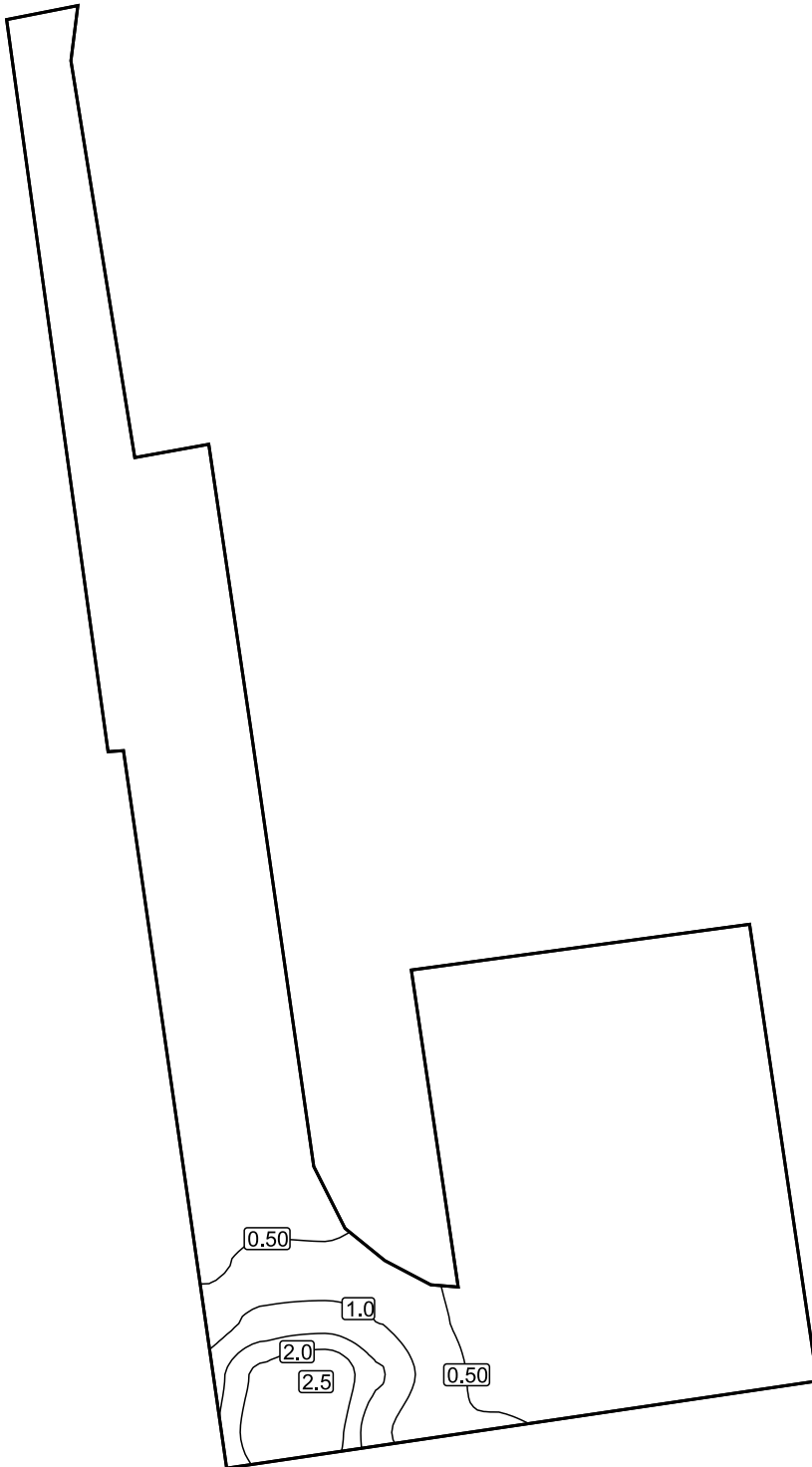
Pathway 4: Horizontal illuminance (Grid)

Light scene: Emergency Mode

Average: 0.23 lx, Min: 0.001 lx, Max: 2.52 lx, Min/average: 0.004, Min/max: 0.000

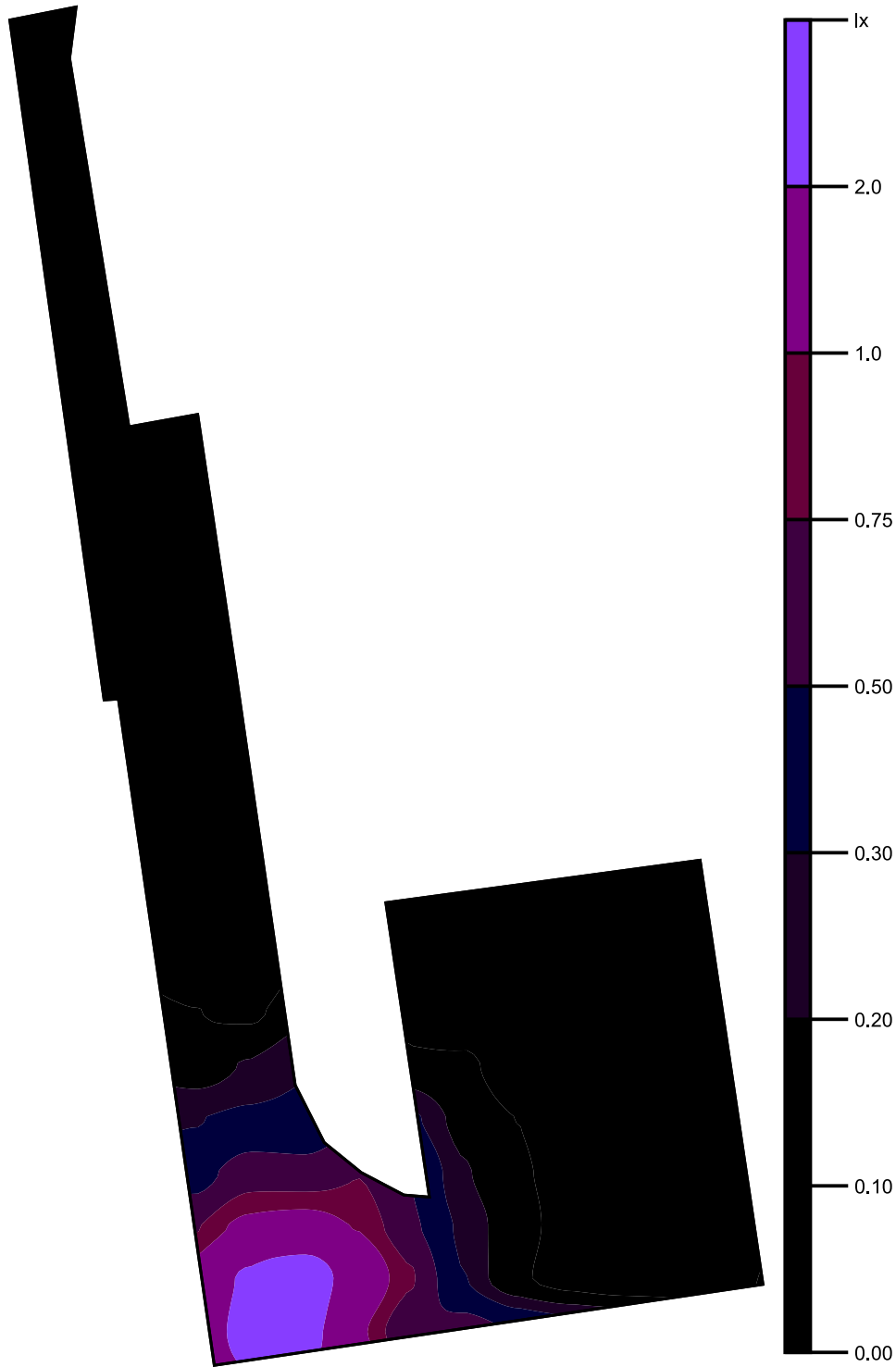
Height: 0.000 m

Isolines [lx]



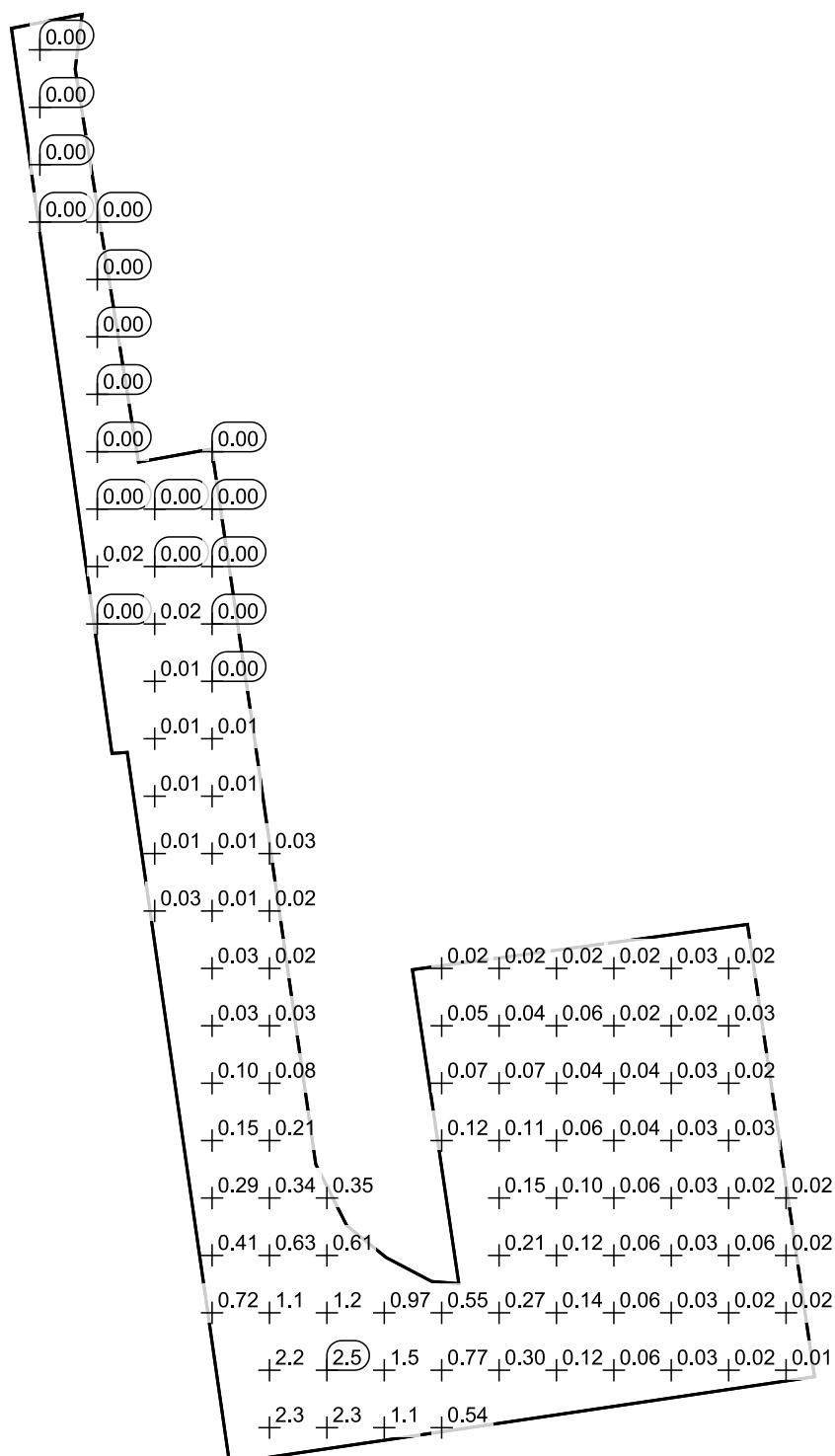
Scale: 1 : 130

False colours [lx]



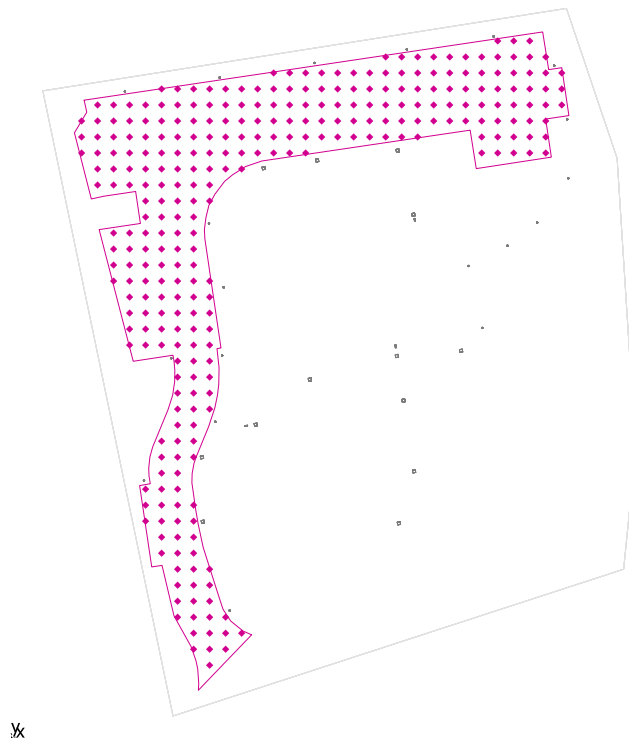
Scale: 1 : 130

Value grid [lx]



Scale: 1 : 130

Carpark / Regular Mode / Horizontal illuminance



Maintenance factor: 0.80

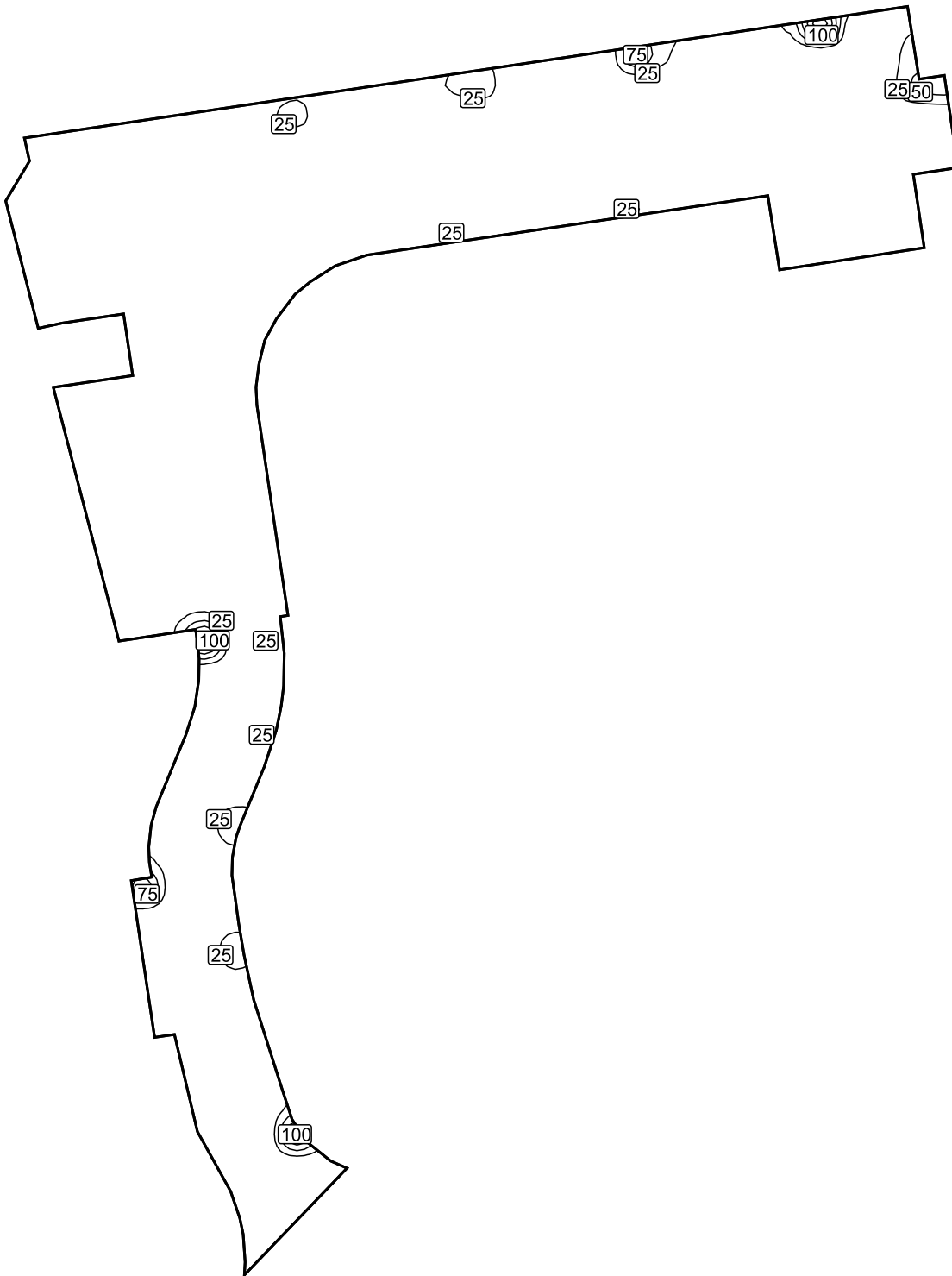
Carpark: Horizontal illuminance (Grid)

Light scene: Regular Mode

Average: 6.03 lx, Min: 0.048 lx, Max: 142 lx, Min/average: 0.008, Min/max: 0.000

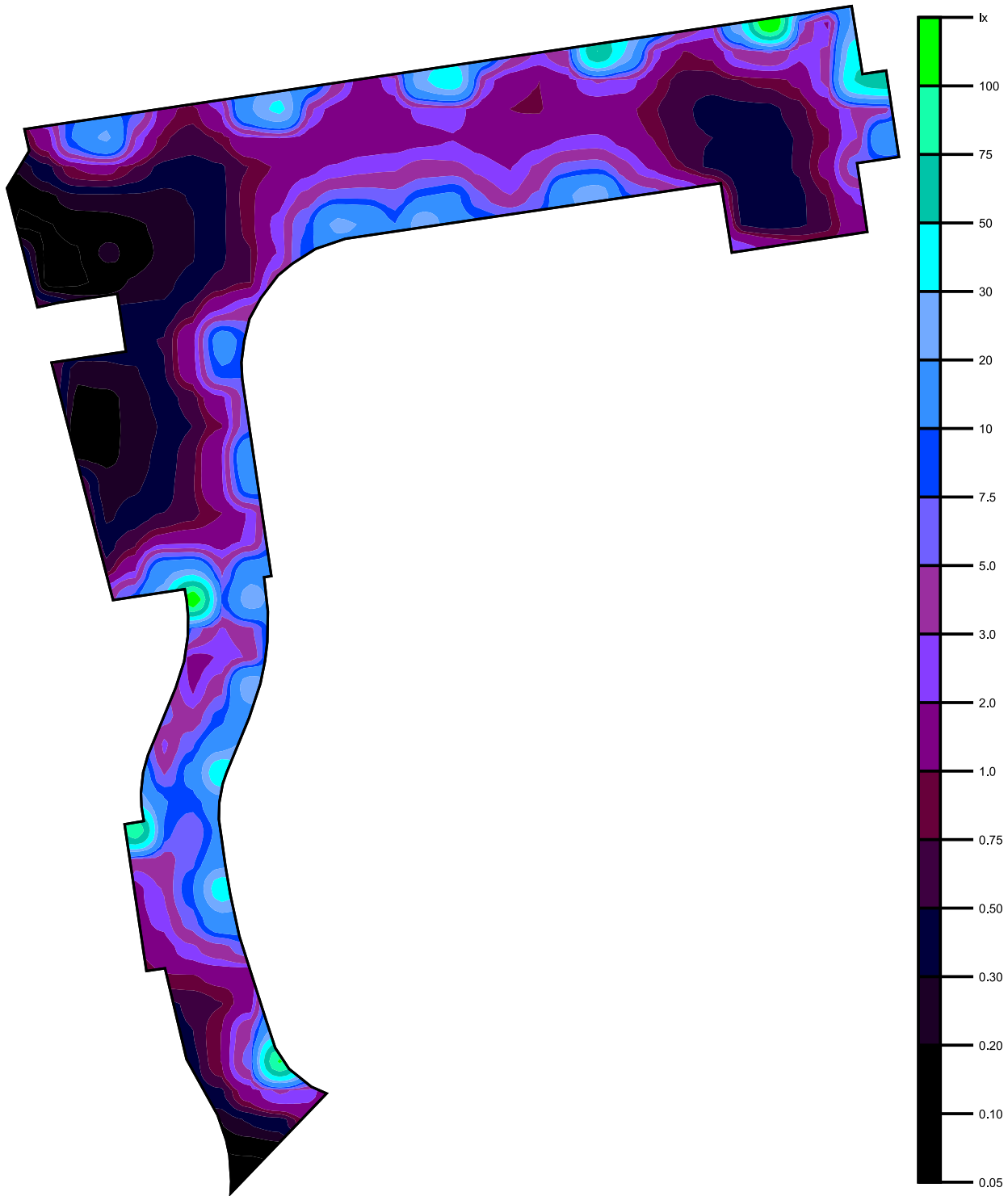
Height: 0.000 m

Isolines [lx]



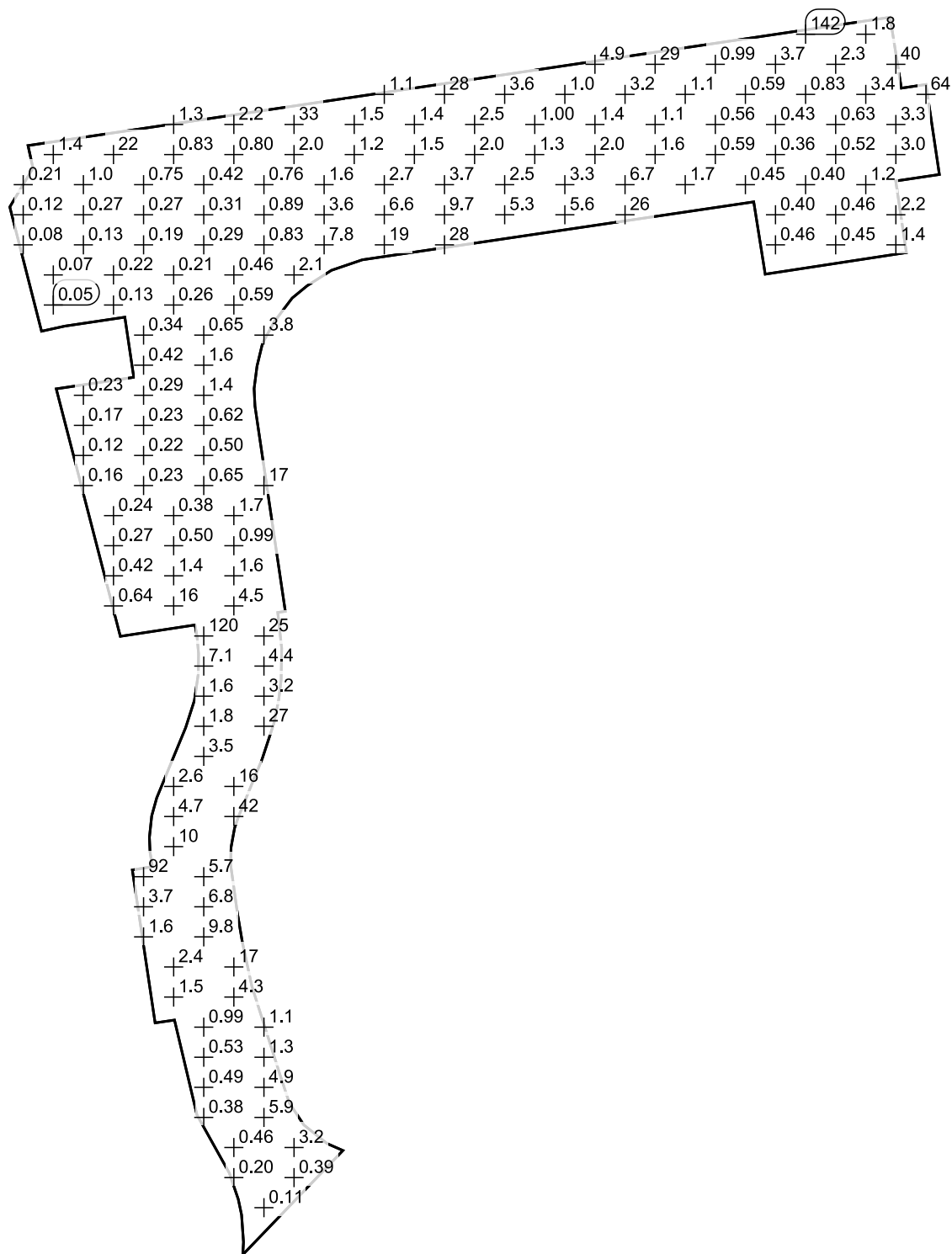
Scale: 1 : 423

False colours [lx]



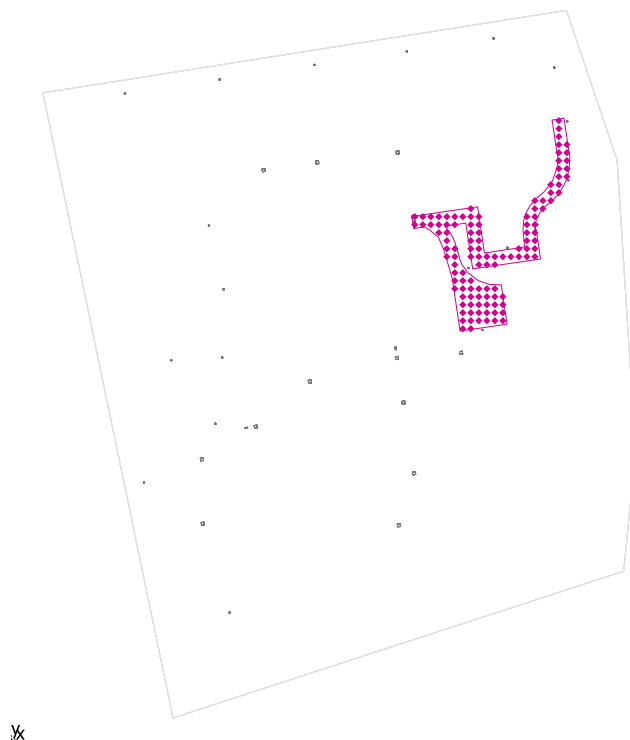
Scale: 1 : 423

Value grid [lx]



Scale: 1 : 423

Pathway 1 / Regular Mode / Horizontal illuminance



Maintenance factor: 0.80

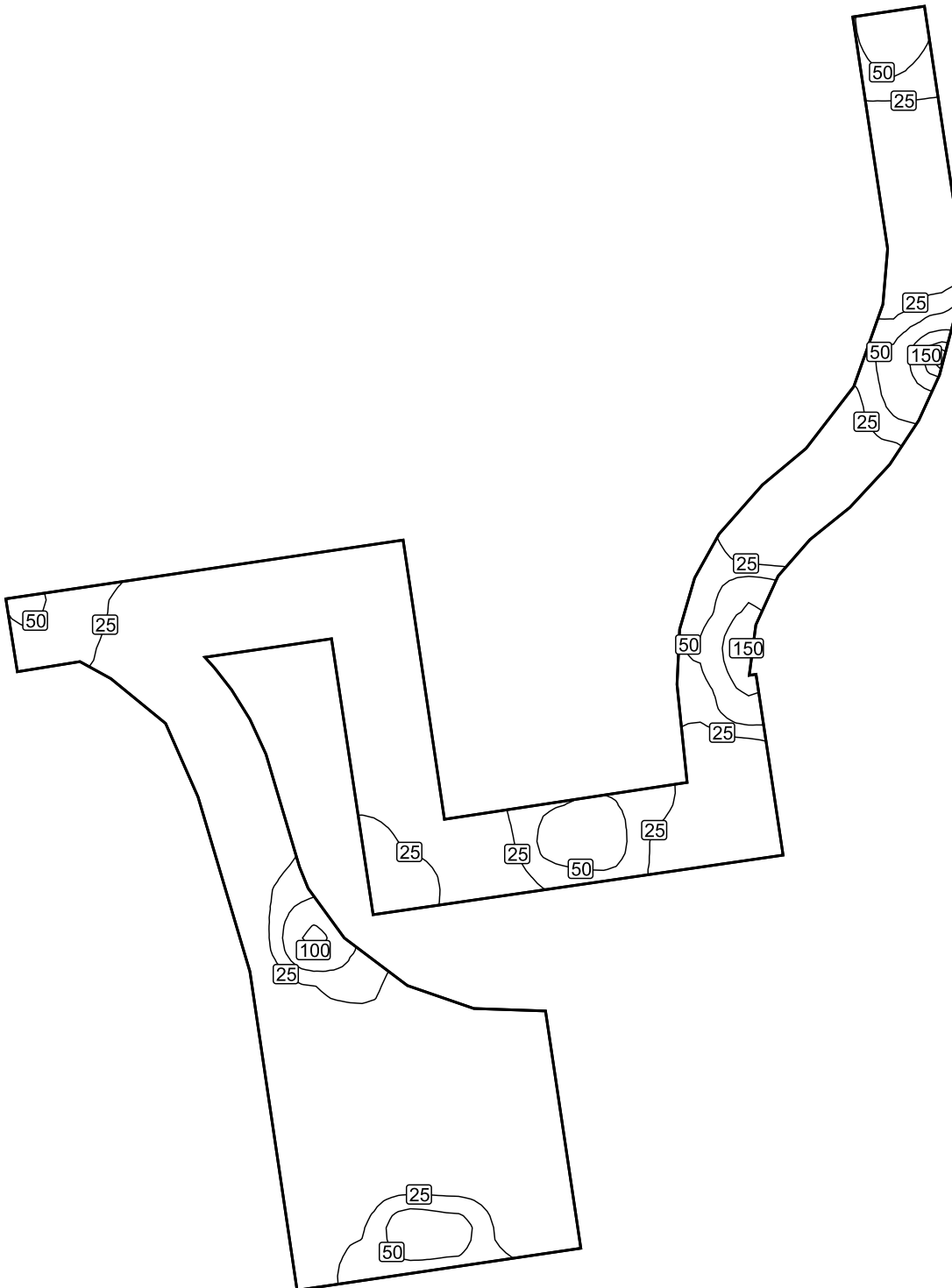
Pathway 1: Horizontal illuminance (Grid)

Light scene: Regular Mode

Average: 21.0 lx, Min: 1.16 lx, Max: 192 lx, Min/average: 0.055, Min/max: 0.006

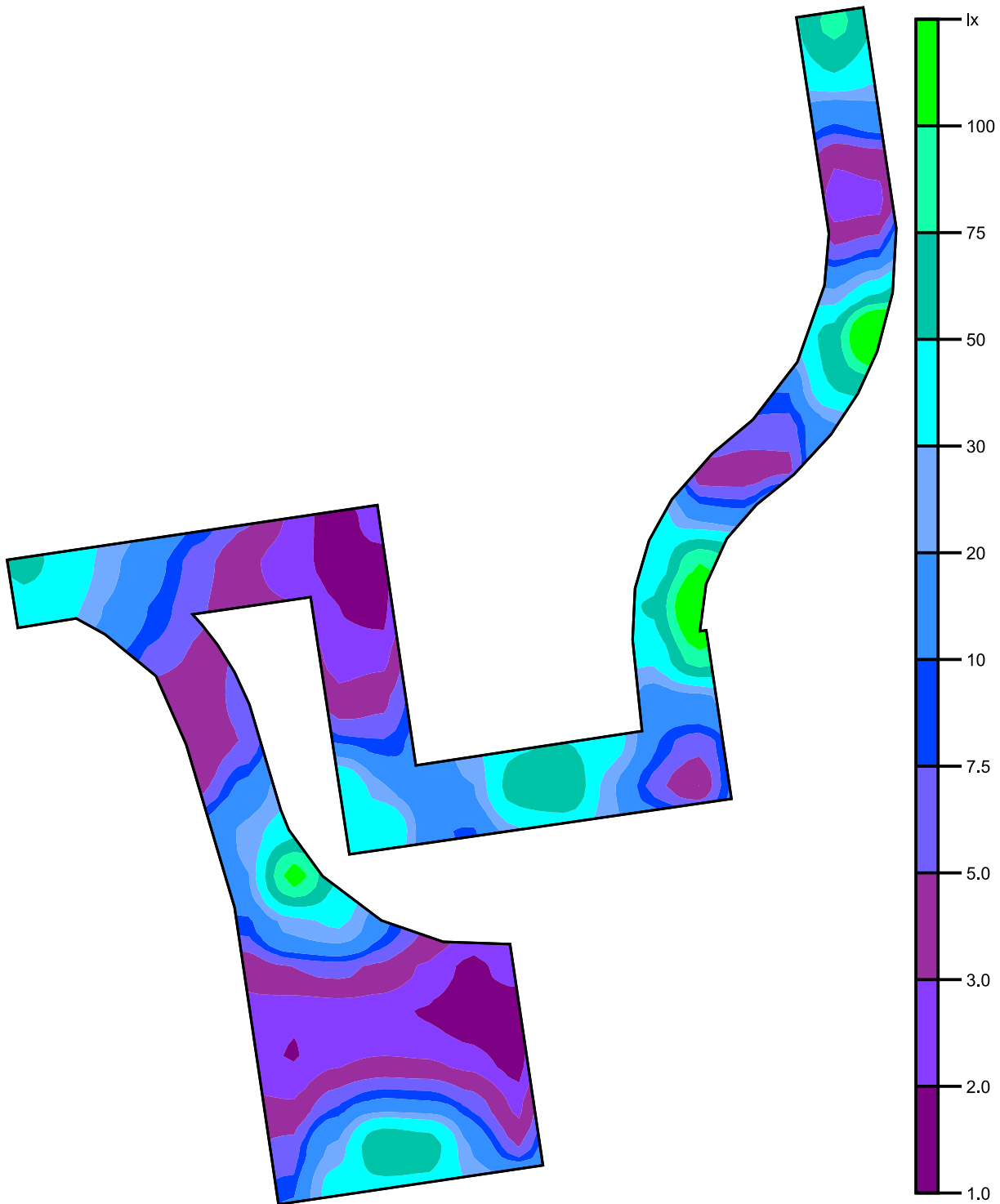
Height: 0.000 m

Isolines [lx]



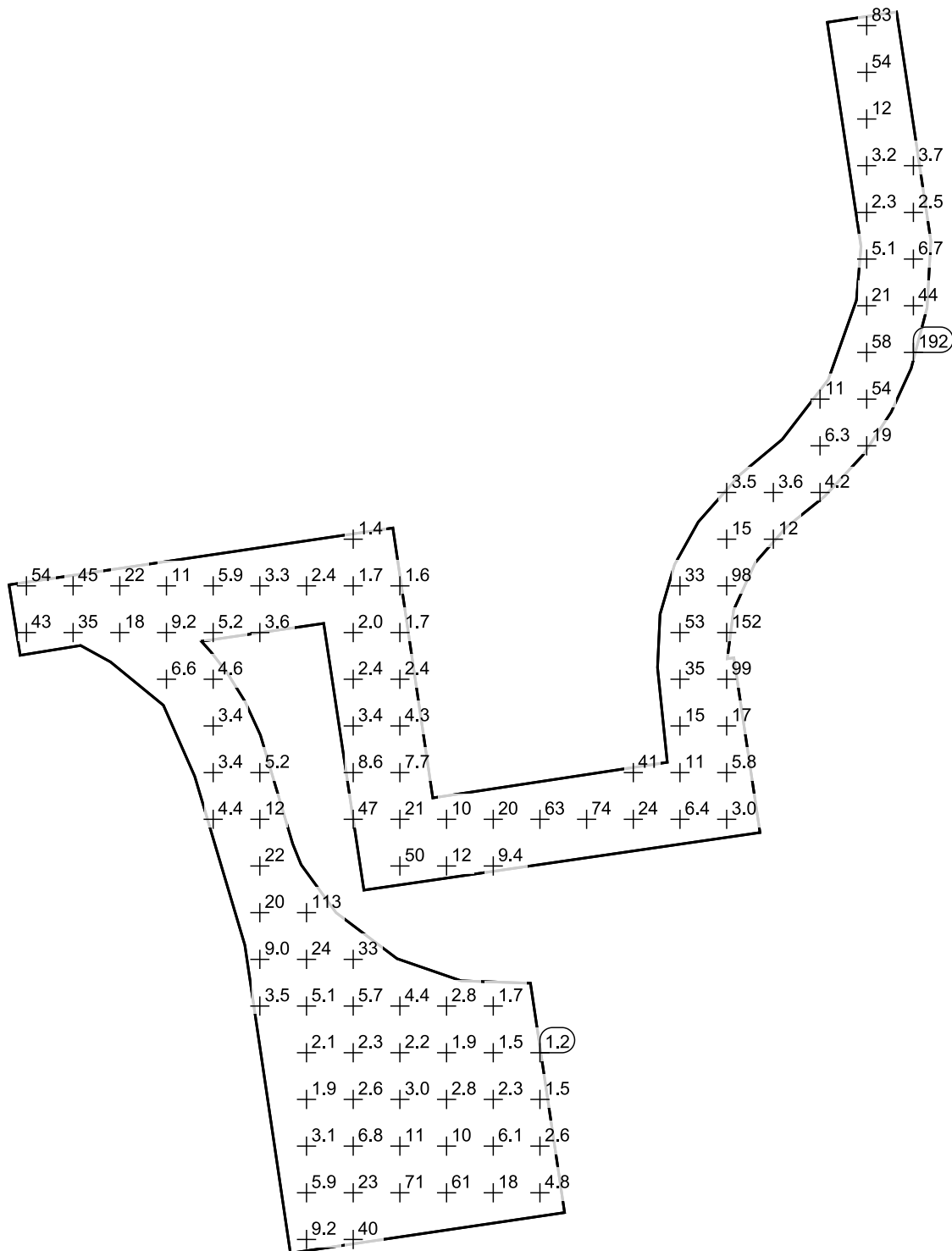
Scale: 1 : 137

False colours [lx]



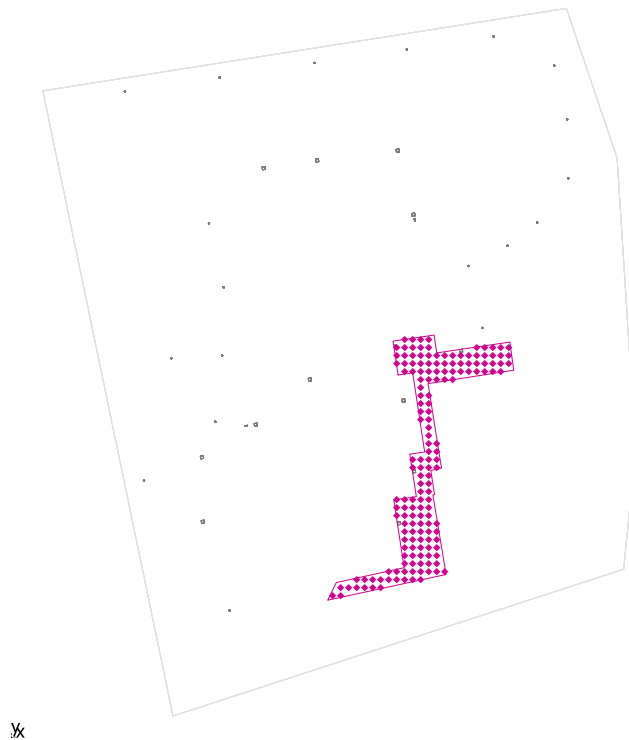
Scale: 1 : 137

Value grid [lx]



Scale: 1 : 137

Pathway 3 / Regular Mode / Horizontal illuminance



Maintenance factor: 0.80

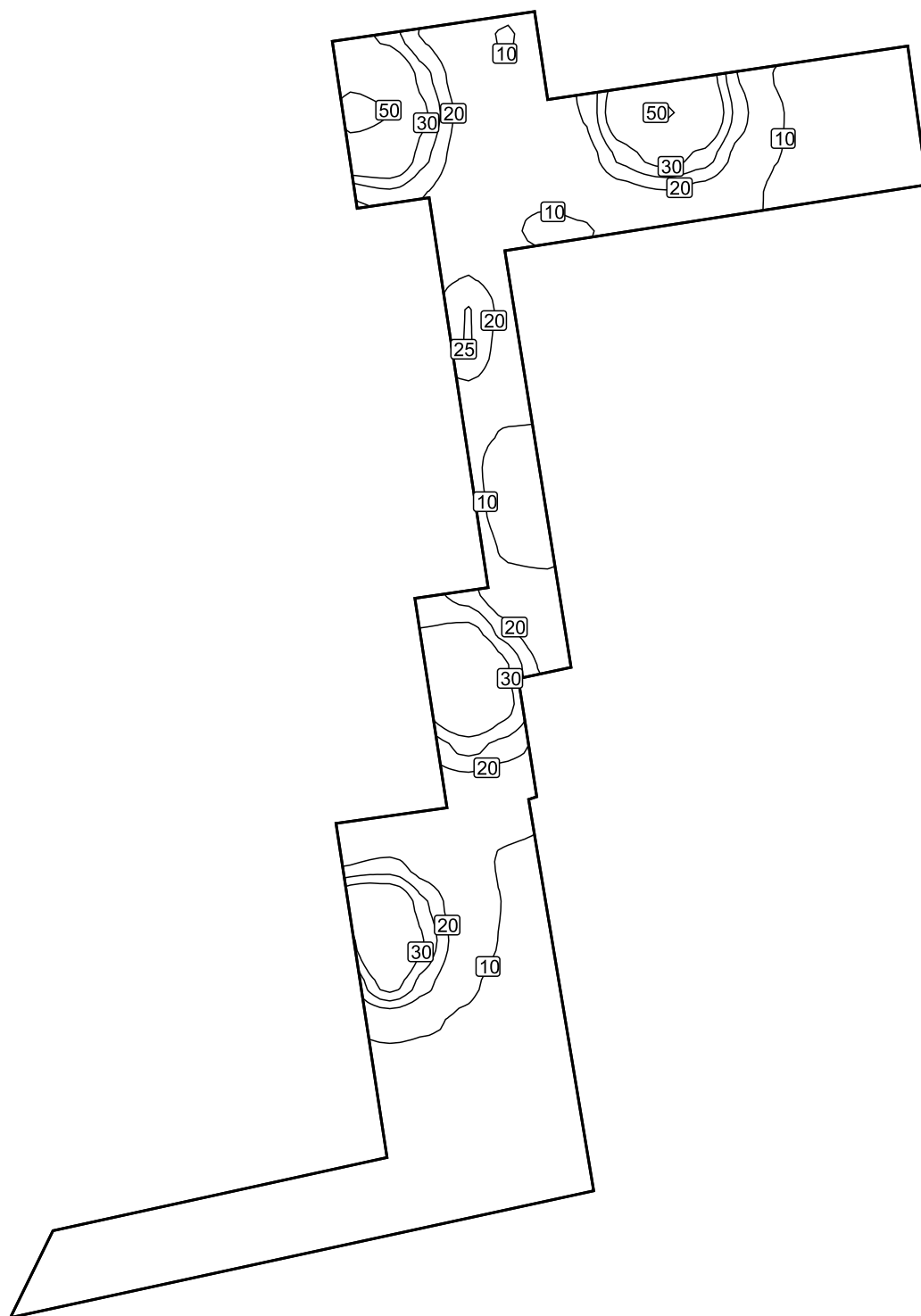
Pathway 3: Horizontal illuminance (Grid)

Light scene: Regular Mode

Average: 14.3 lx, Min: 0.058 lx, Max: 55.8 lx, Min/average: 0.004, Min/max: 0.001

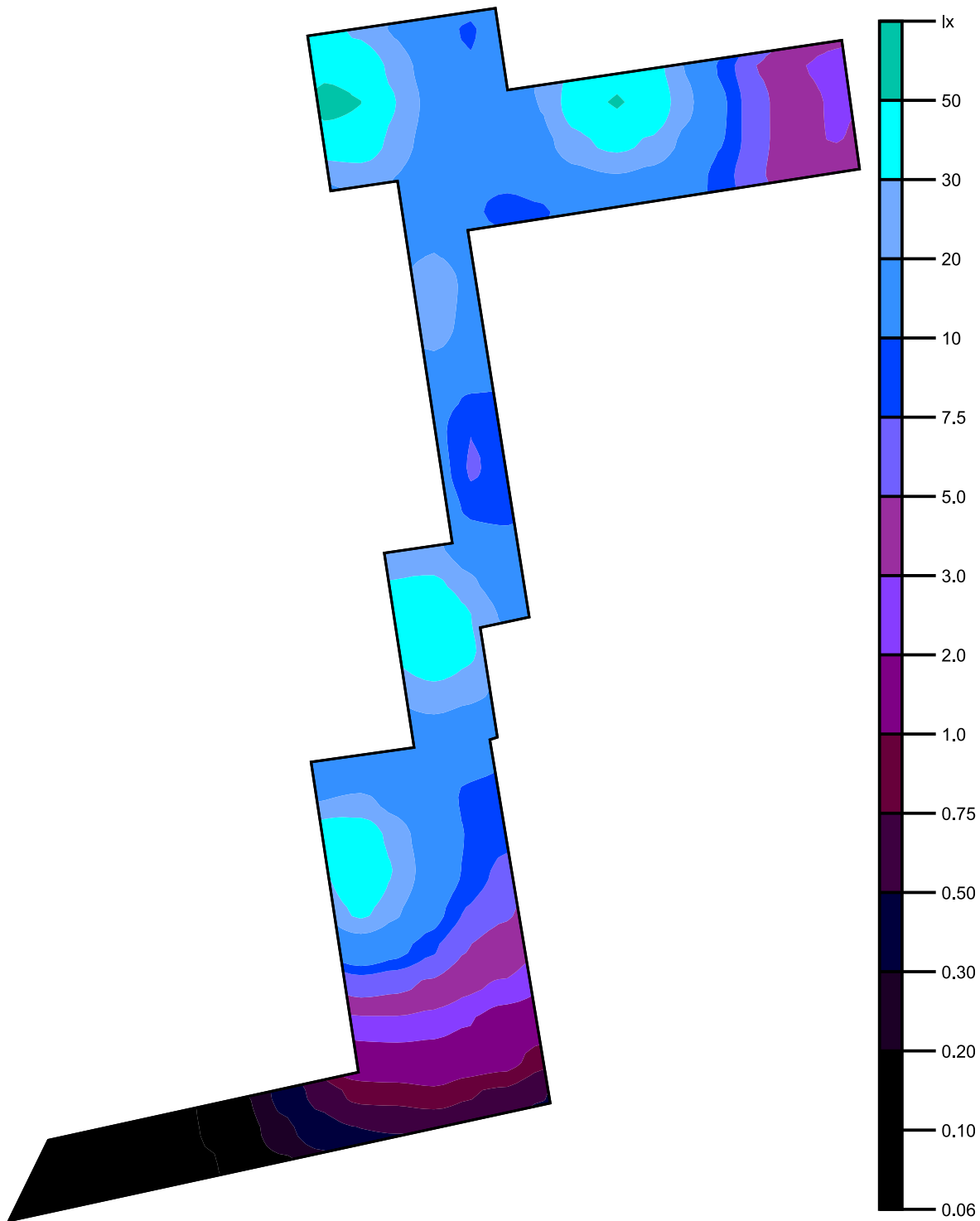
Height: 0.000 m

Isolines [lx]



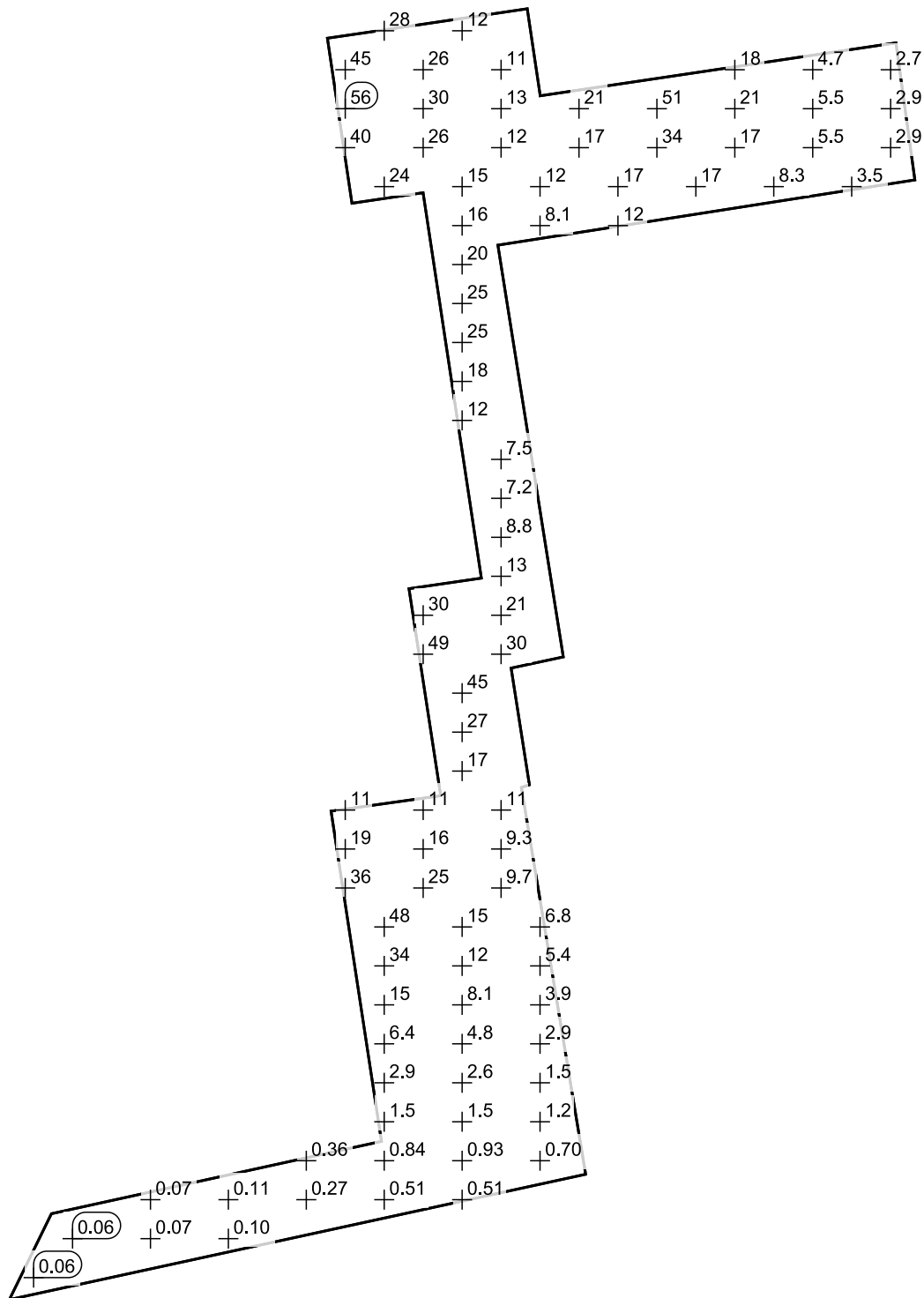
Scale: 1 : 171

False colours [lx]



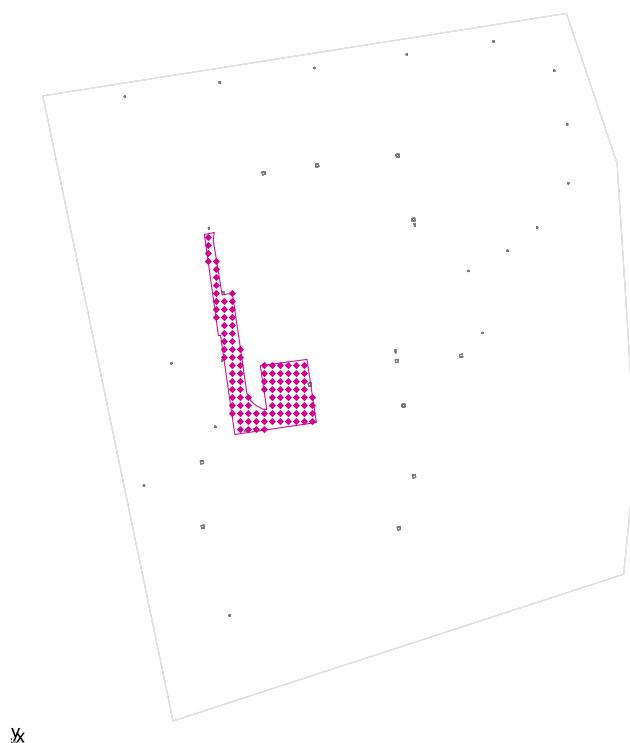
Scale: 1 : 171

Value grid [lx]



Scale: 1 : 171

Pathway 4 / Regular Mode / Horizontal illuminance



Maintenance factor: 0.80

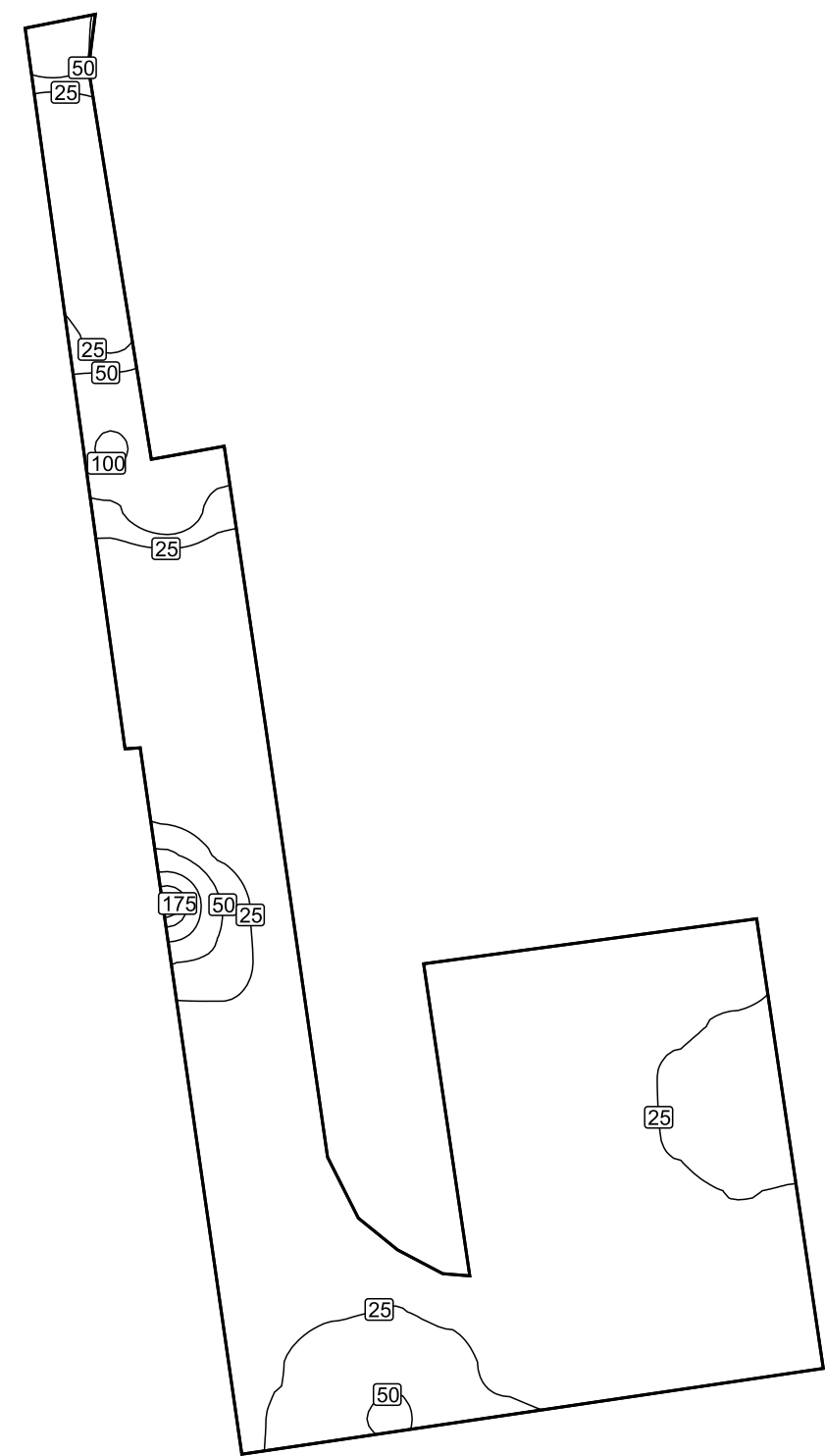
Pathway 4: Horizontal illuminance (Grid)

Light scene: Regular Mode

Average: 19.5 lx, Min: 1.54 lx, Max: 189 lx, Min/average: 0.079, Min/max: 0.008

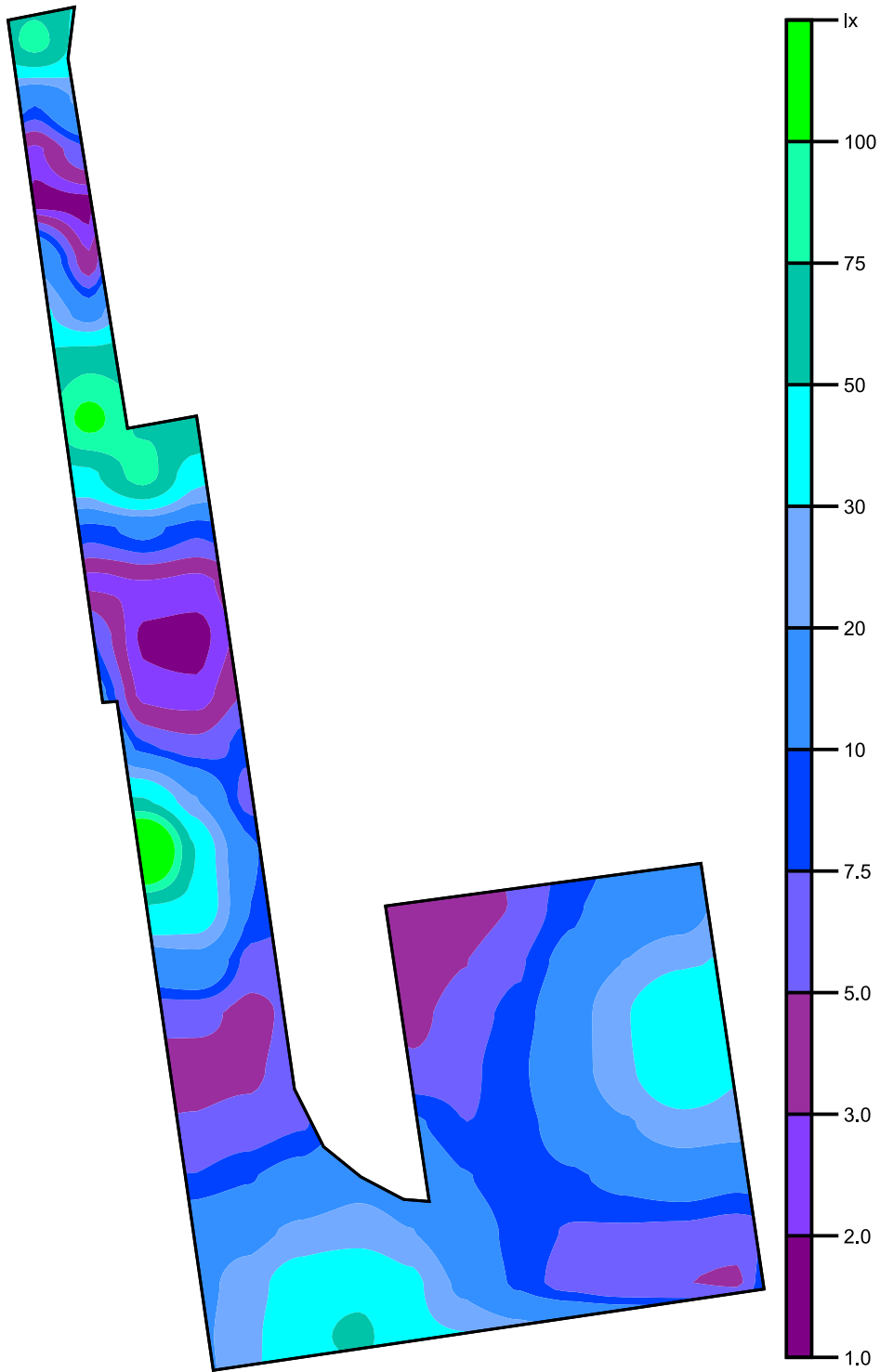
Height: 0.000 m

Isolines [lx]



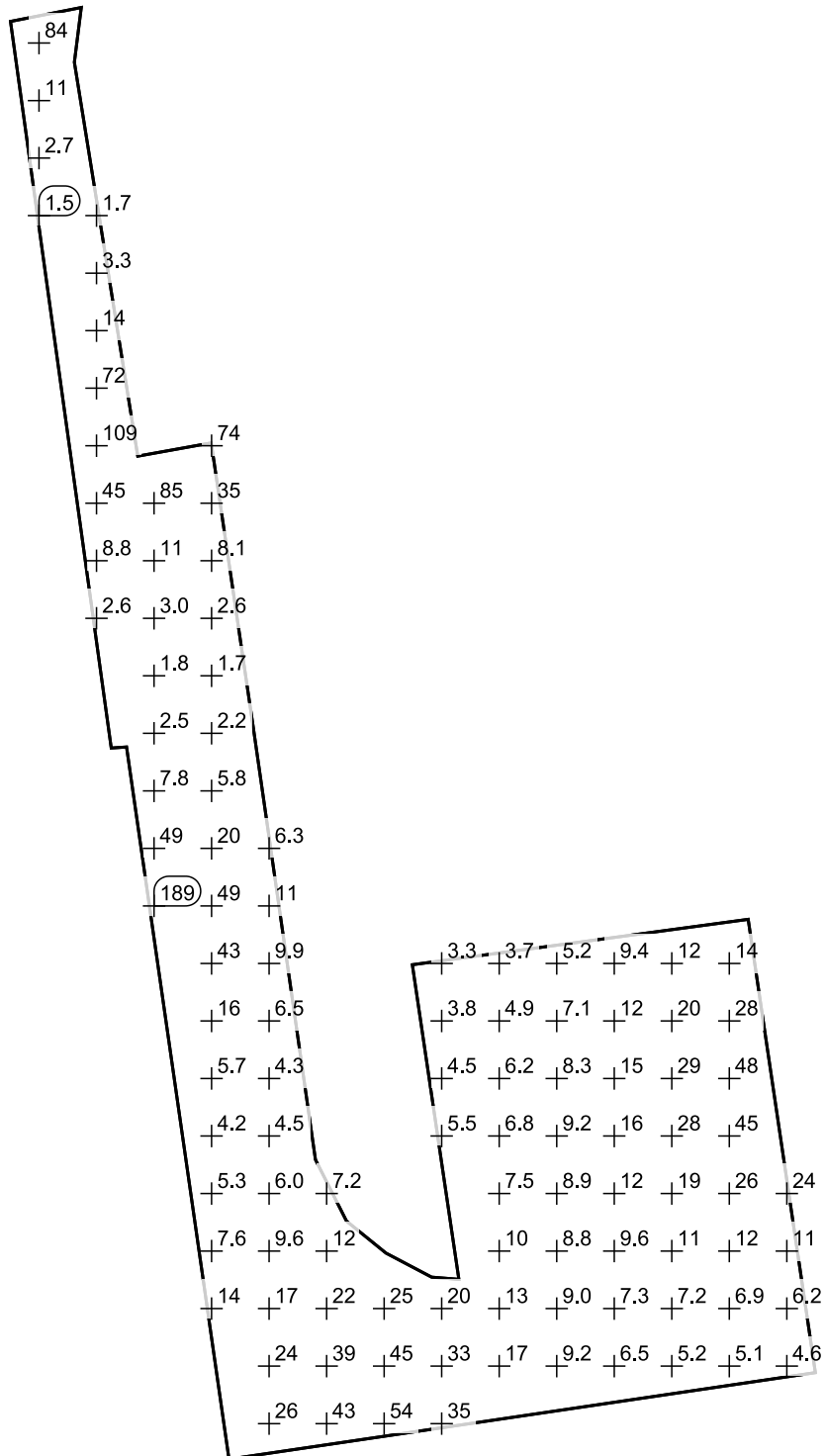
Scale: 1 : 130

False colours [lx]



Scale: 1 : 130

Value grid [lx]



Scale: 1 : 130