Customer:
Célio Anésio

UFCG

Operator:
Kaio Nikelisso; João Pedro;
Frederico Carvalho; Victor Hugo.

UFCG

Date:
13-Jul-18

Luminotecnico - Externo

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Luminotecnico - Externo

DIAL**ux**

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DIA**Lux**

Luminotecnico - Externo

#	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
19	GE Lighting - 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60	6350	60.0	105.8
	Total via all luminaires	120650	1140.0	105.8

Luminotecnico - Externo

DIALux

Luminotecnico - Externo

No.	Control group	Luminaire
1	Control group 23	19 x GE Lighting - 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60

Light scene 1

Control group	Dimming values
Control group 23	100%

Luminotecnico - Externo   13-Jul-18

Site 1 / GE Lighting 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60 1xLED / GE Lighting - OD L/3/F/R/60/40/N/ST/C1/N/S60 (1xLED)

DIALux

GE Lighting 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60 1xLED

-
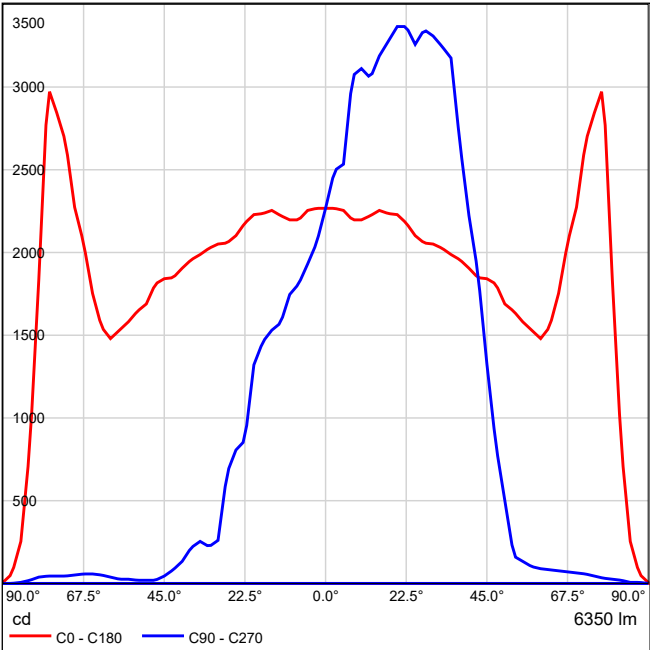
Absolute photometry
Luminaire luminous flux: 6350 lm
Power: 60.0 W
Luminous efficacy: 105.8 lm/W

Luminous emittance 1 / Polar LDC

cd   6350 lm

C0 - C180   C90 - C270

Luminotecnico - Externo   13-Jul-18

Site 1 / GE Lighting 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60 1xLED / GE Lighting - OD L/3/F/R/60/40/N/ST/C1/N/S60 (1xLED)

DIALux
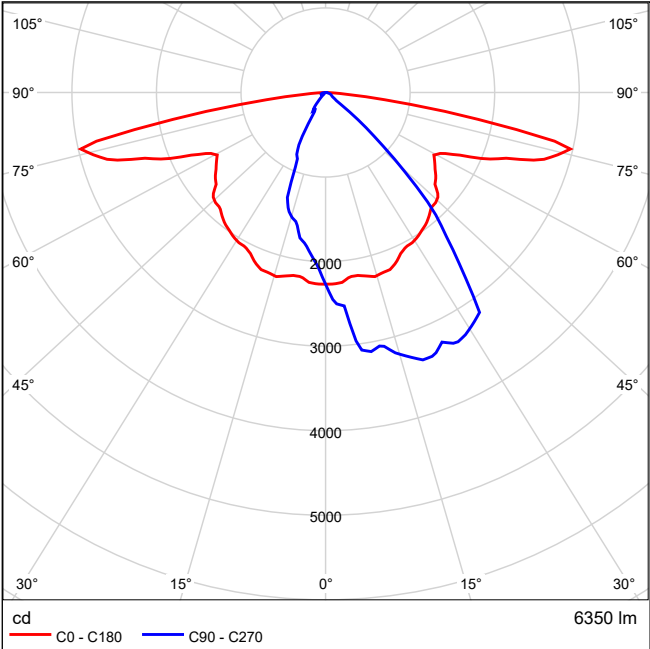
Luminous emittance 1 / Linear LDC

| C0 - C180 | C90 - C270 |

cd   6350 lm

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

Site 1 / GE Lighting 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60 1xLED / GE Lighting - OD L/3/F/R/60/40/N/ST/C1/N/S60 (1xLED)

Luminous emittance 1 / Luminance diagram

cd/m²
— g = 65.0°   — g = 75.0°   — g = 85.0°

DIALux
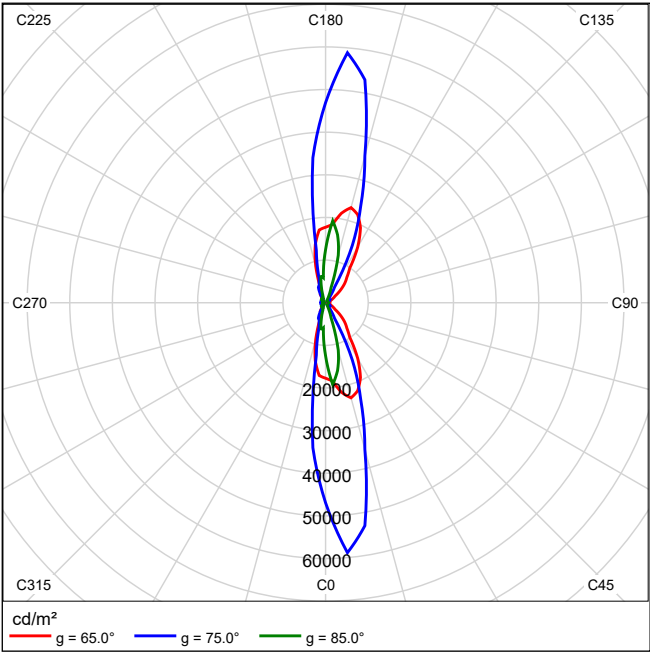
Site 1
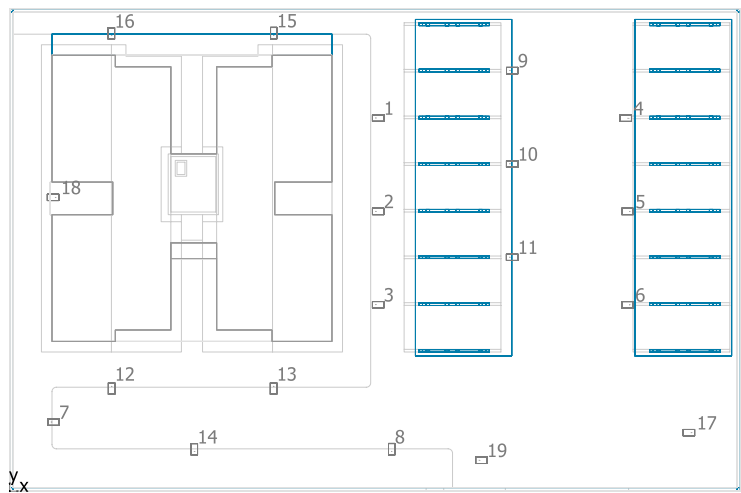
GE Lighting 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60

No.	X [m]	Y [m]	Mounting height [m]	Light loss factor
1	20.635	21.186	4.000	0.80
2	20.636	15.883	4.000	0.80
3	20.635	10.583	4.000	0.80
4	35.278	21.180	4.000	0.80
5	35.375	15.883	4.000	0.80
6	35.371	10.580	4.000	0.80
7	2.195	3.918	4.000	0.80
8	21.695	2.092	4.000	0.80
9	28.250	23.883	4.000	0.80
10	28.247	18.580	4.000	0.80
11	28.243	13.283	4.000	0.80
12	5.783	6.113	4.000	0.80
13	14.983	6.115	4.000	0.80
14	10.483	2.087	4.000	0.80
15	14.994	25.724	4.000	0.80
16	5.774	25.705	4.000	0.80
17	38.865	3.317	4.000	0.80
18	2.750	16.684	4.000	0.80
19	26.500	1.750	4.000	0.80

DIALux

Site 1

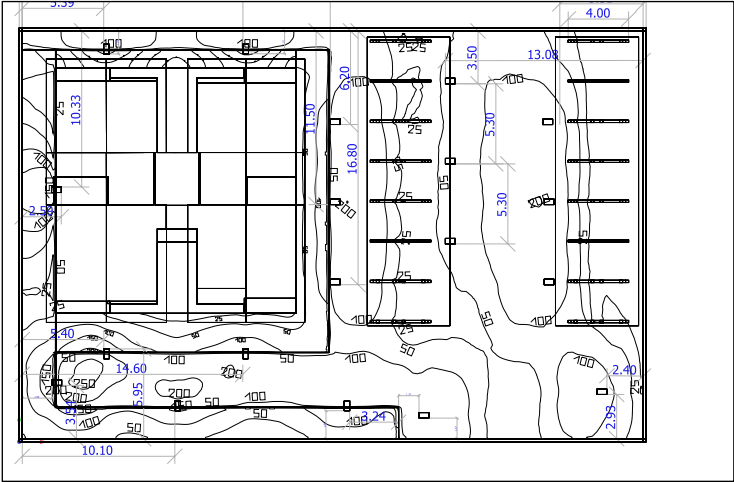| #	Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
19	GE Lighting - 93028061 OD L/3/F/R/60/40/N/ST/C1/N/S60	6350	60.0	105.8
	Total via all luminaires	120650	1140.0	105.8

DIALux

Site 1
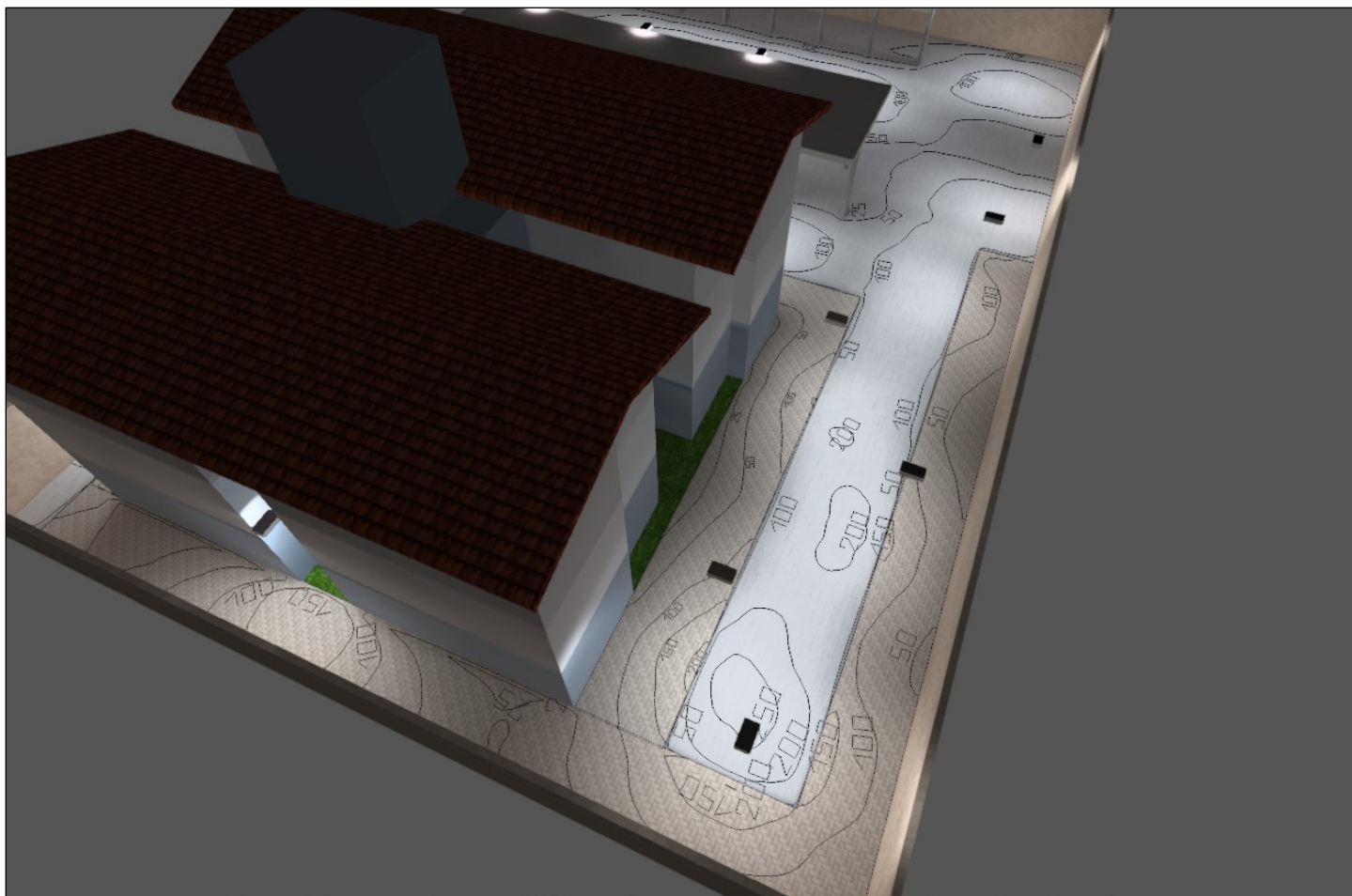
Dimensions

Scale: 1 : 500

v10

Scale: 1 : 500

DIALux

v8

DIALux

v12

DIALux

v11

v9

v7

v1

DIALux

v6

v5

v4

v3

DIALux

v2

DIALux
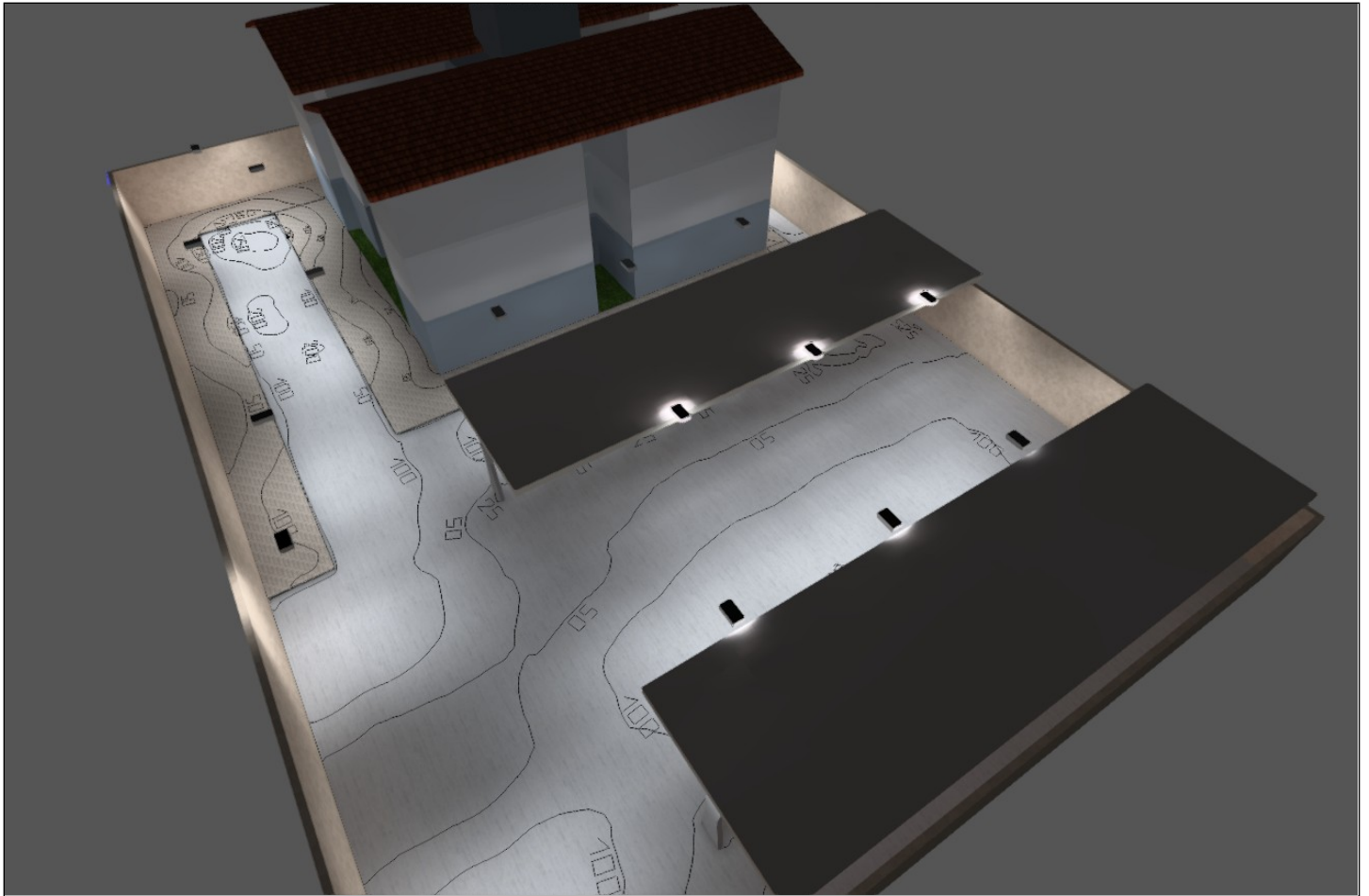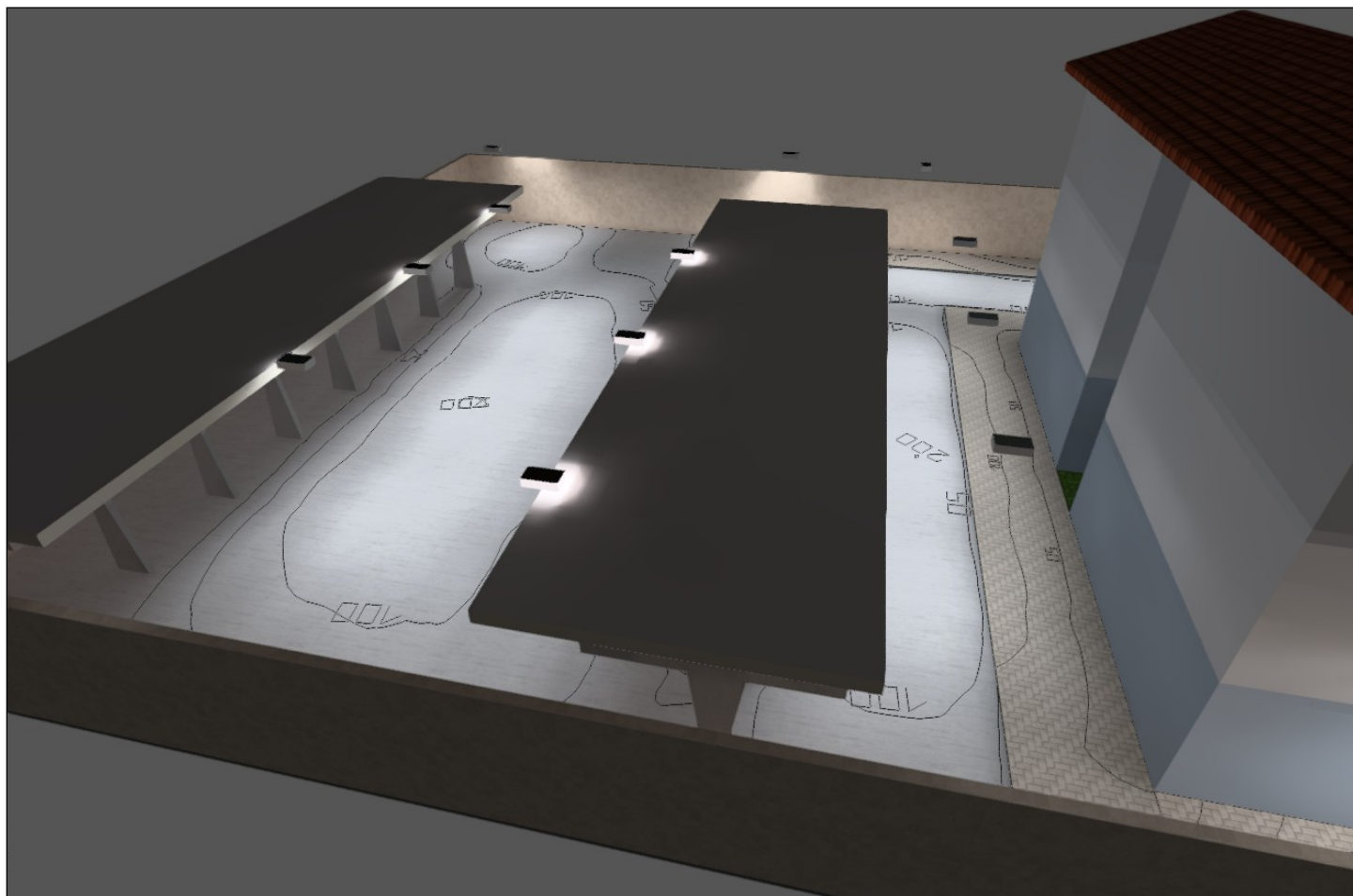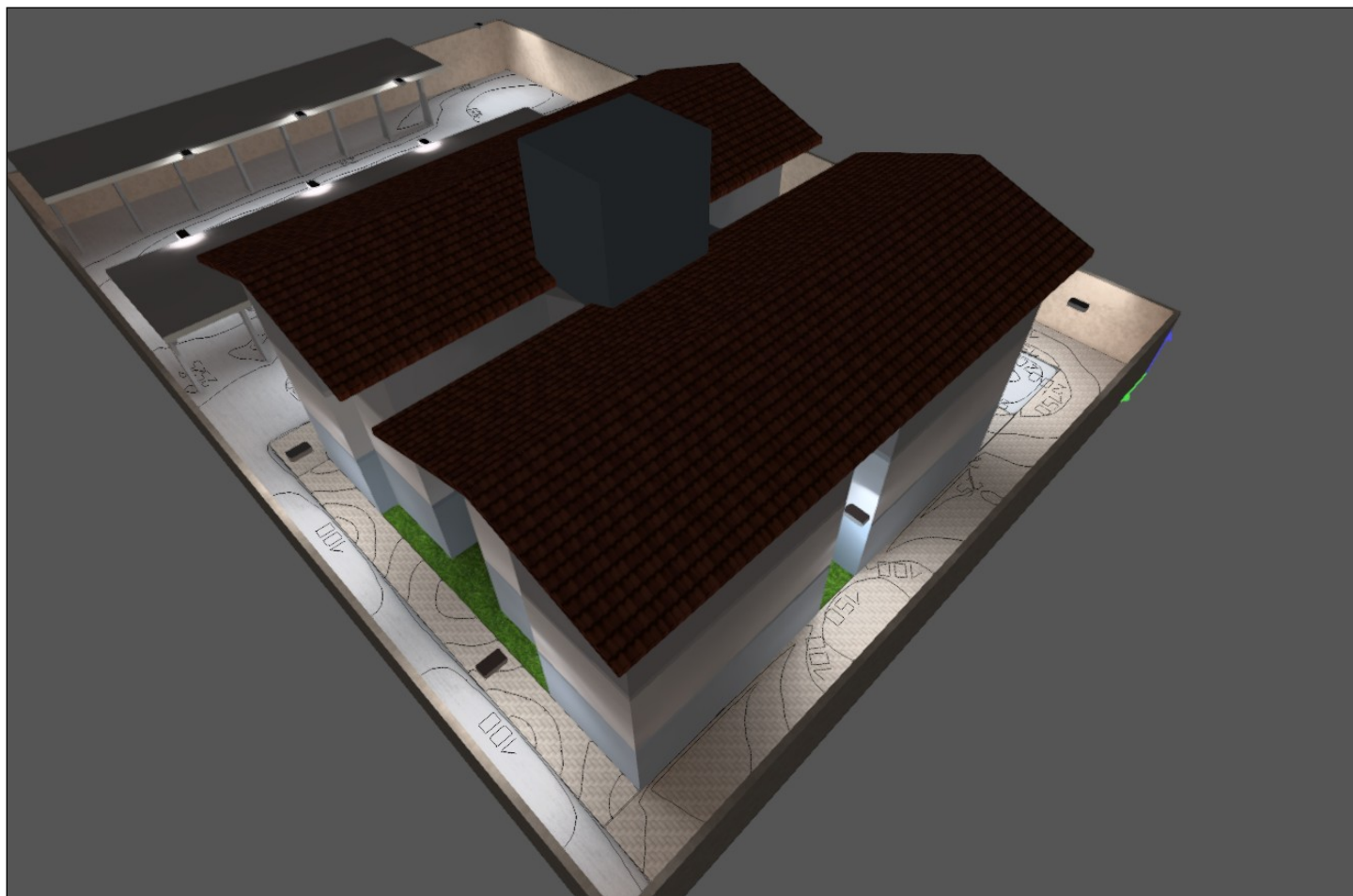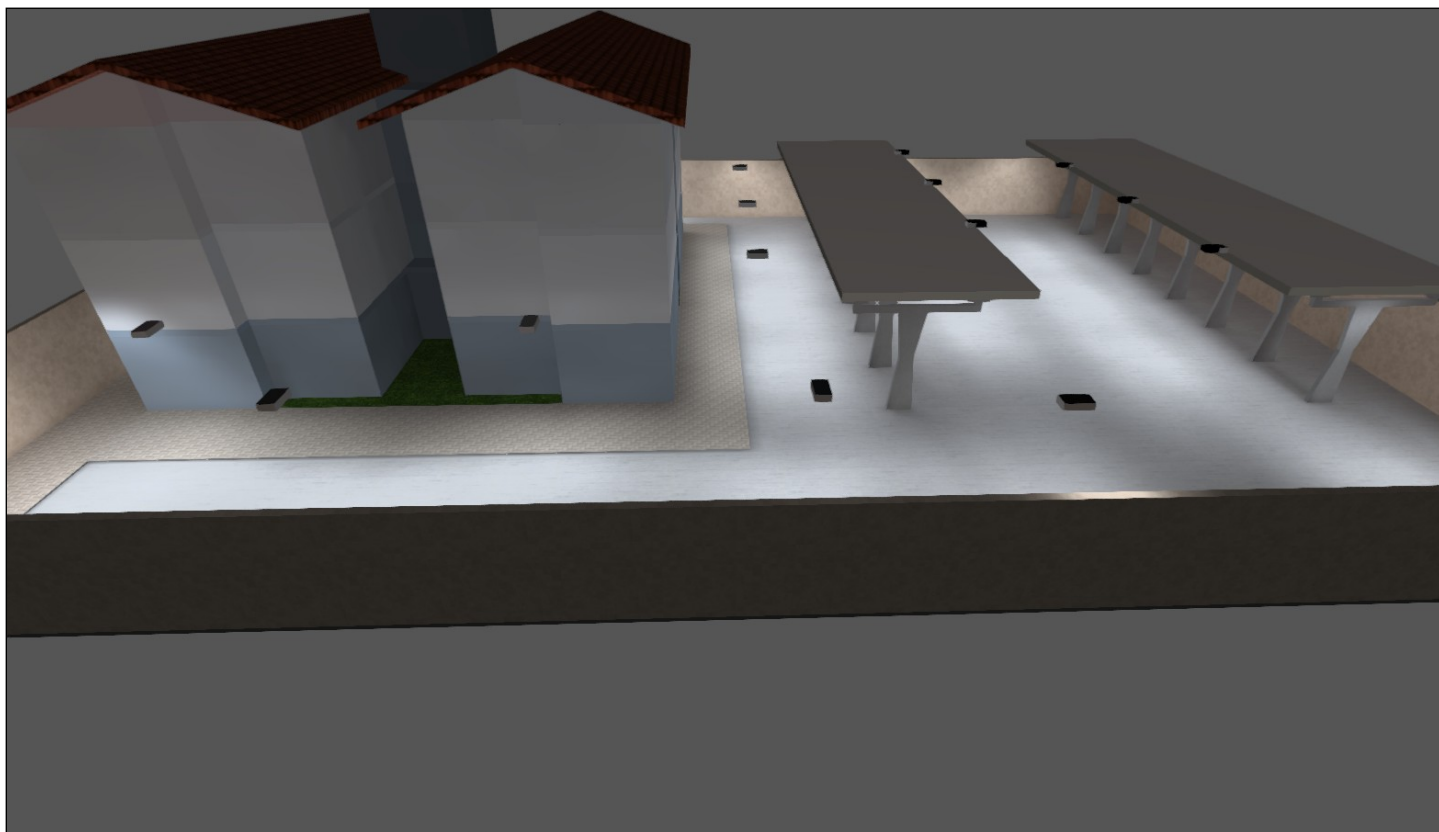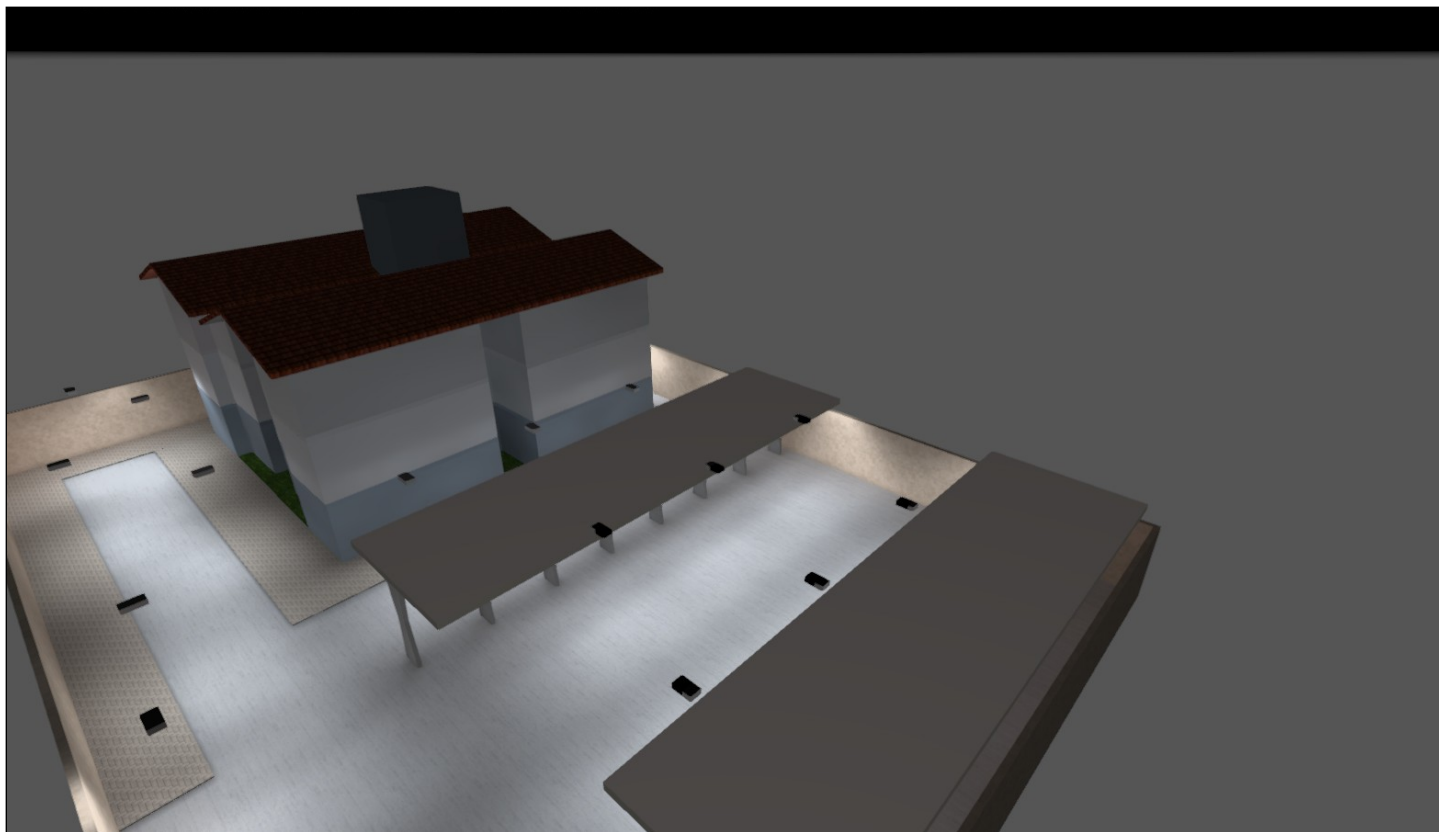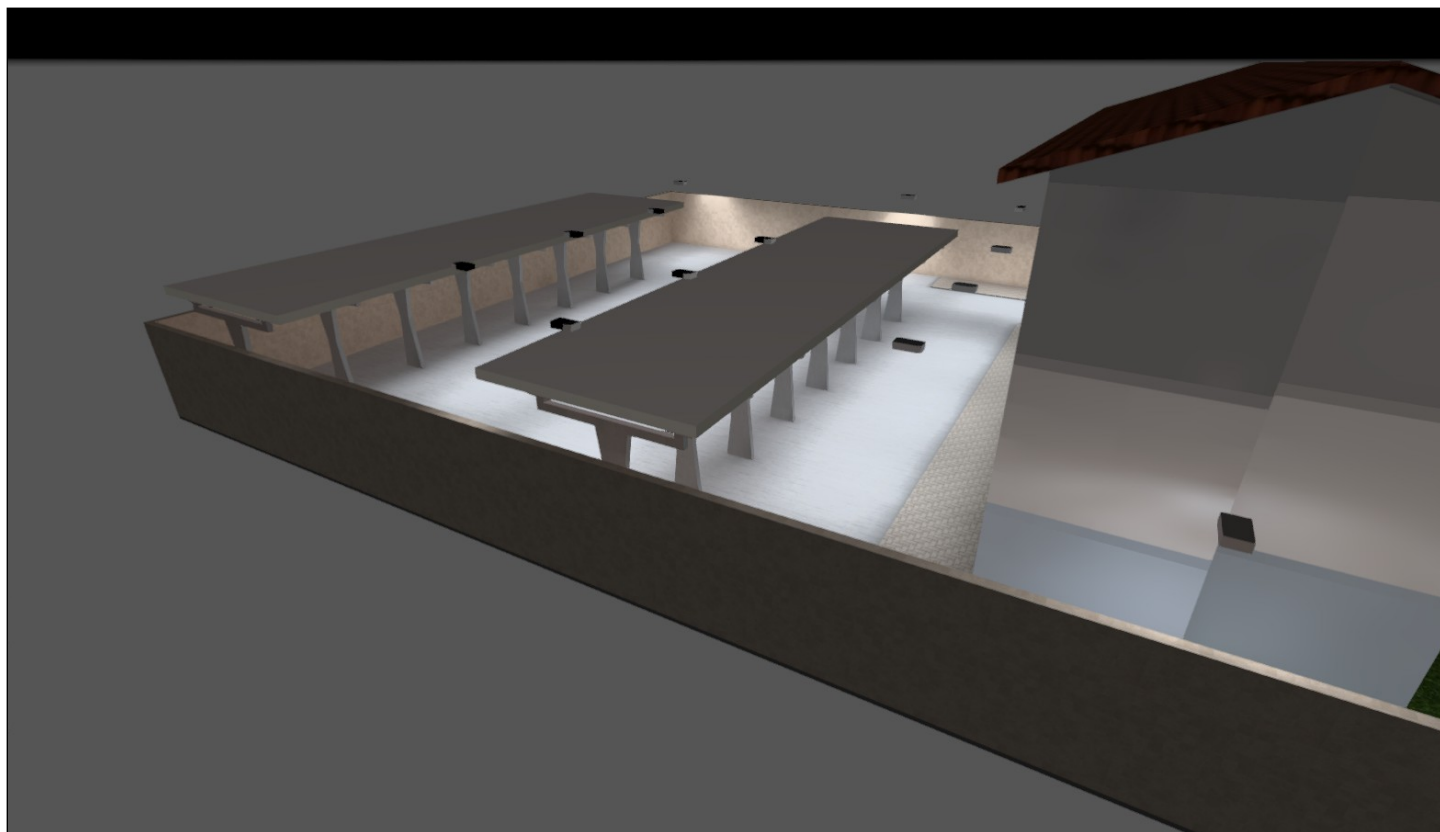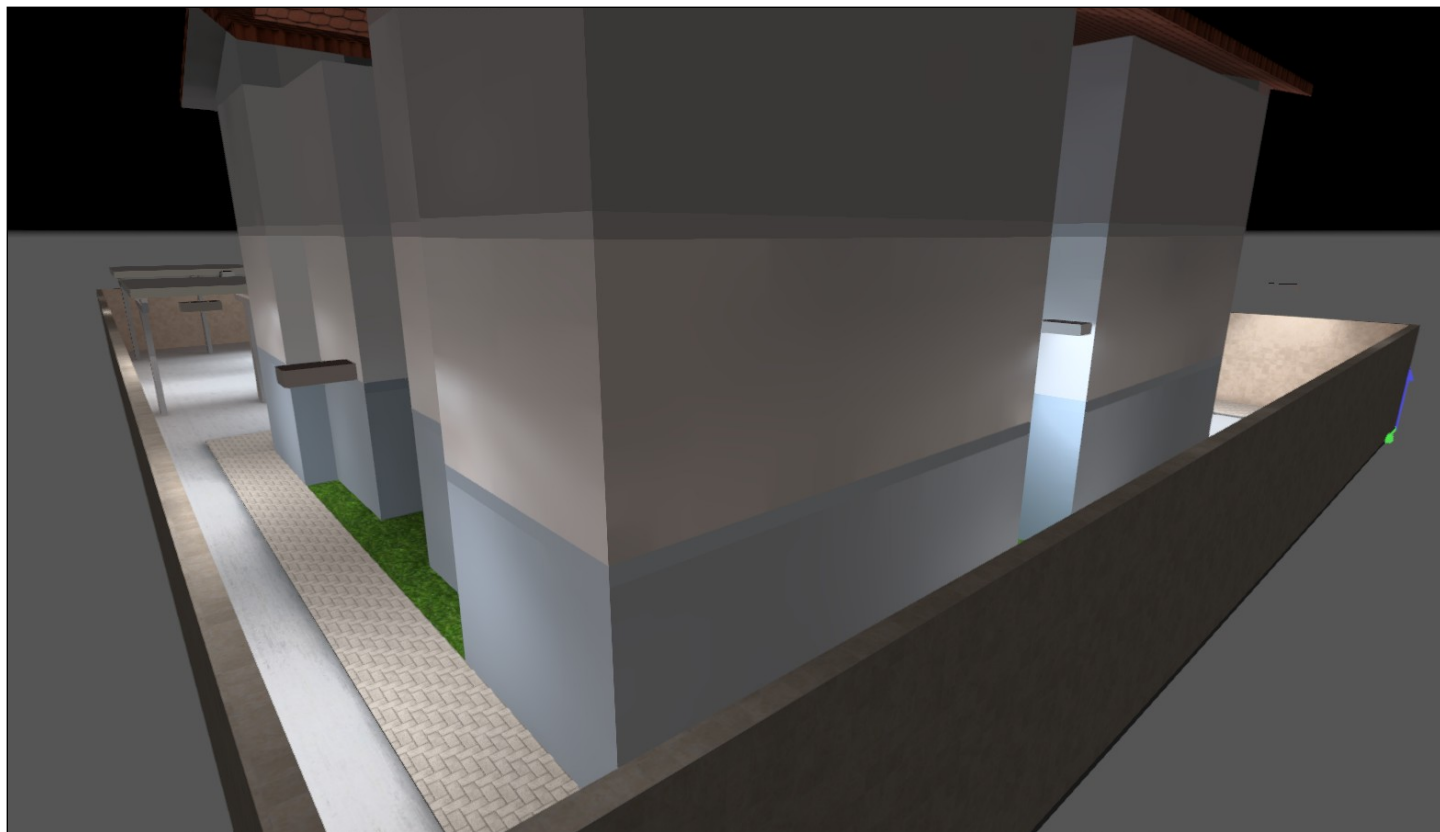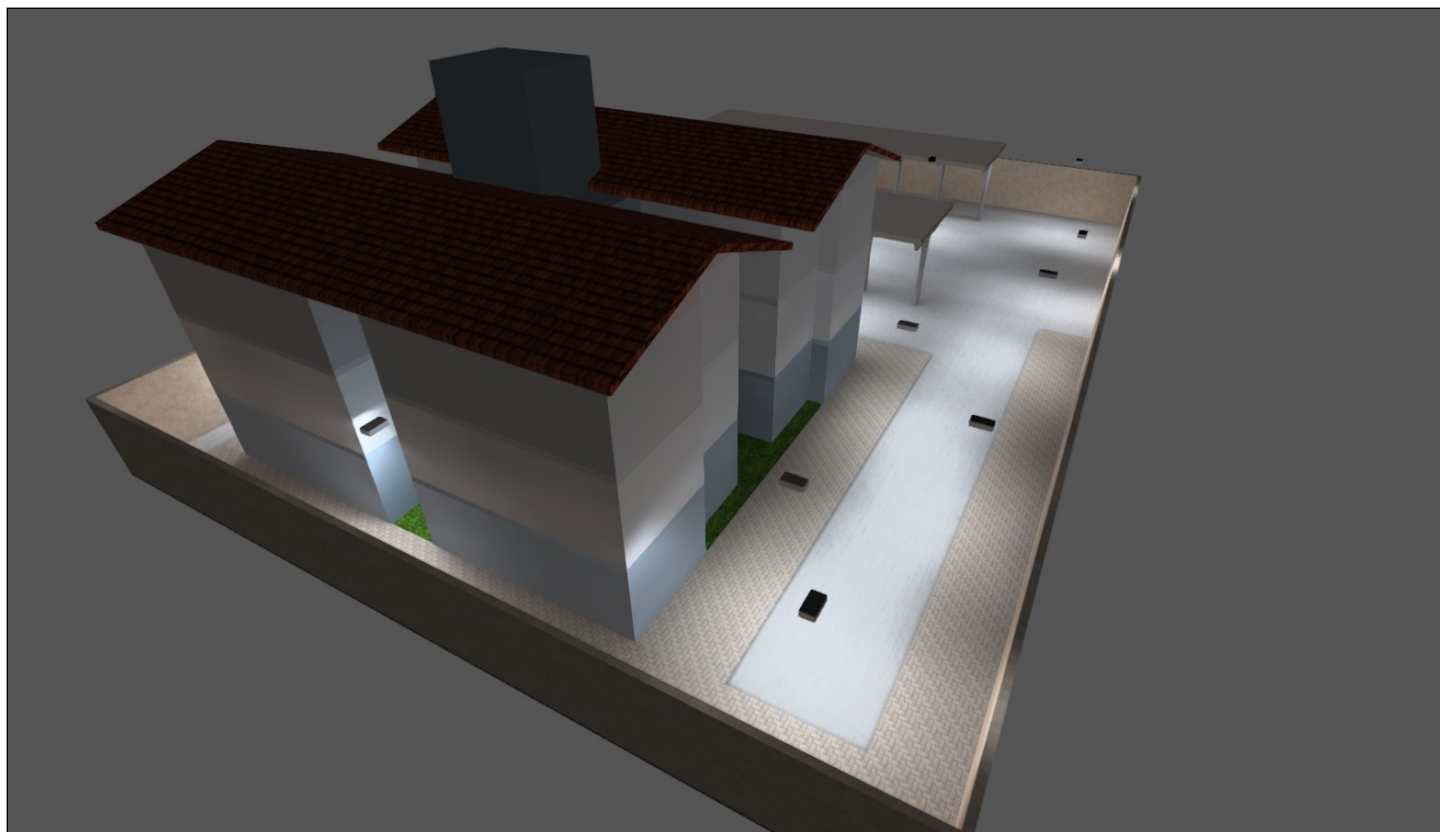
Site 1
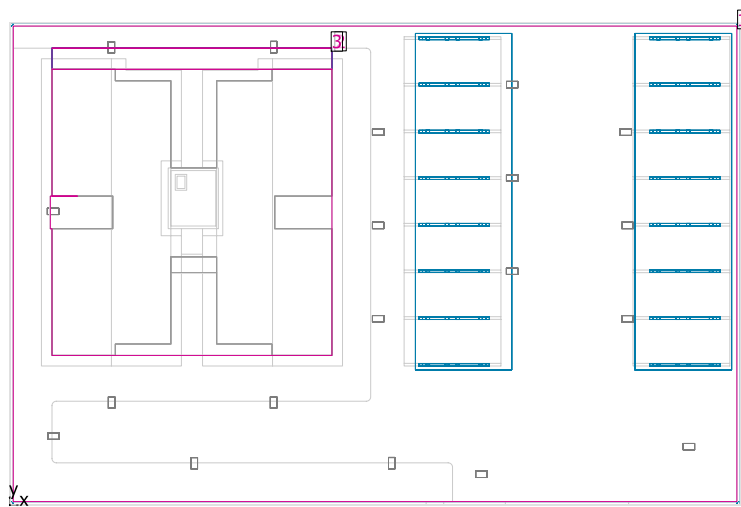
Light loss factor: 0.80

Surface result objects

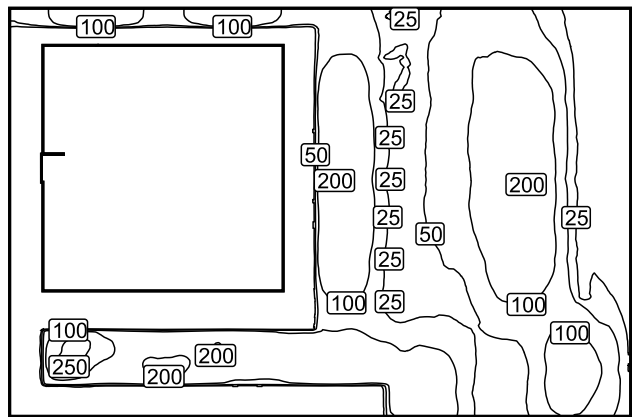|	Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1	Surface result object 4	Perpendicular illuminance (adaptive) [lx]	71.5	0.00	272	0.00	0.00
		Luminance [cd/m²]	12.8	0.00	48.6	0.00	0.00
	Surface result object 5 (Furniture)	Perpendicular illuminance (adaptive) [lx]	76.8	17.1	213	0.22	0.08
		Luminance [cd/m²]	11.1	2.47	30.8	0.22	0.08
	Surface result object 6 (Furniture)	Perpendicular illuminance (adaptive) [lx]	82.4	14.6	201	0.18	0.07
		Luminance [cd/m²]	11.9	2.10	29.1	0.18	0.07
2	Surface result object 7 (Furniture)	Perpendicular illuminance (adaptive) [lx]	21.1	21.1	23.2	1.00	0.91
		Luminance [cd/m²]	2.30	2.30	2.52	1.00	0.91
3	Surface result object 8 (Furniture)	Perpendicular illuminance (adaptive) [lx]	99.4	53.7	162	0.54	0.33
		Luminance [cd/m²]	14.4	7.76	23.4	0.54	0.33

Surface result object 4 / Perpendicular illuminance (adaptive)
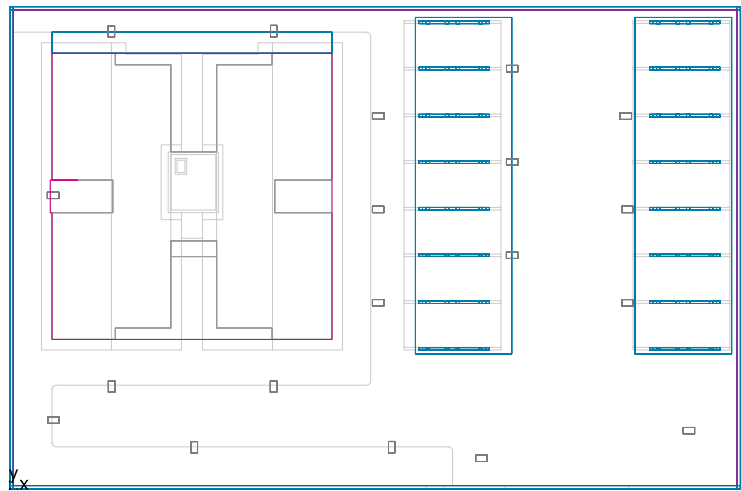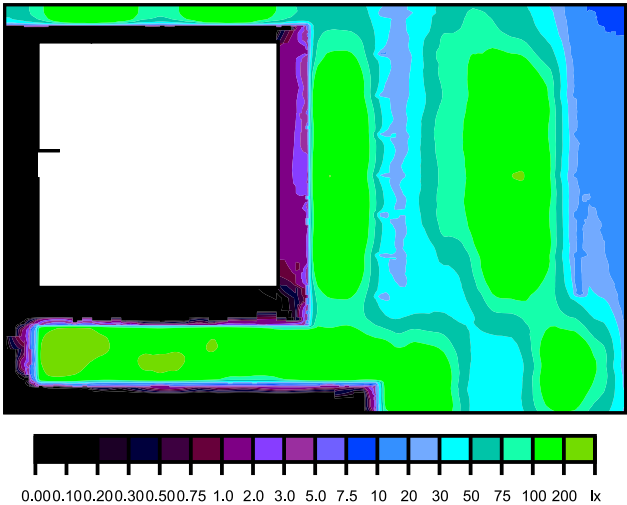

Light loss factor: 0.80

Surface result object 4: Perpendicular illuminance (adaptive) (Surface)
Light scene: Light scene 1
Average: 71.5 lx, Min: 0.00 lx, Max: 272 lx, Min/average: 0.00, Min/max: 0.00
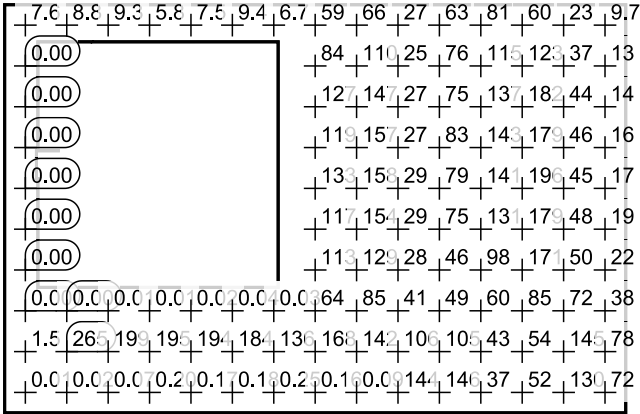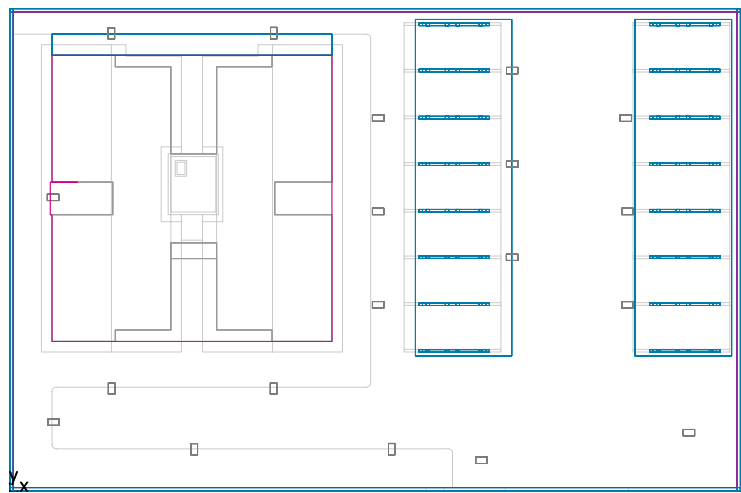
Isolines [lx]

Scale: 1 : 500

False colors [lx]

0.00 0.10 0.20 0.30 0.50 0.75 1.0 2.0 3.0 5.0 7.5 10 20 30 50 75 100 200 lx

Scale: 1 : 500

Value grid [lx]

7.6	8.8	9.3	5.8	7.5	9.4	6.7	59	66	27	63	81	60	23	9.7
0.00							84	110	25	76	115	123	37	13
0.00							127	147	27	75	137	182	44	14
0.00							119	157	27	83	143	179	46	16
0.00							133	158	29	79	141	196	45	17
0.00							117	154	29	75	131	179	48	19
0.00							113	129	28	46	98	171	50	22
0.0	0.0	0.0	0.0	0.0	0.0	0.0	64	85	41	49	60	85	72	38
1.5	265	199	195	194	184	136	168	142	106	105	43	54	145	78
0.0	0.02	0.07	0.20	0.17	0.10	0.25	0.16	0.09	144	146	37	52	130	72

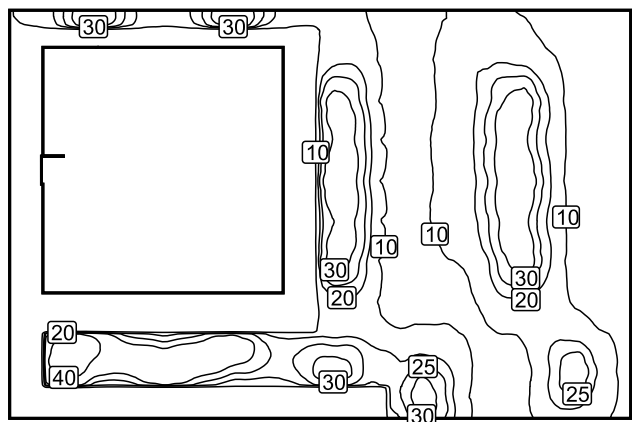Scale: 1 : 500

Surface result object 4 / Luminance

Light loss factor: 0.80

Surface result object 4: Luminance (Surface)
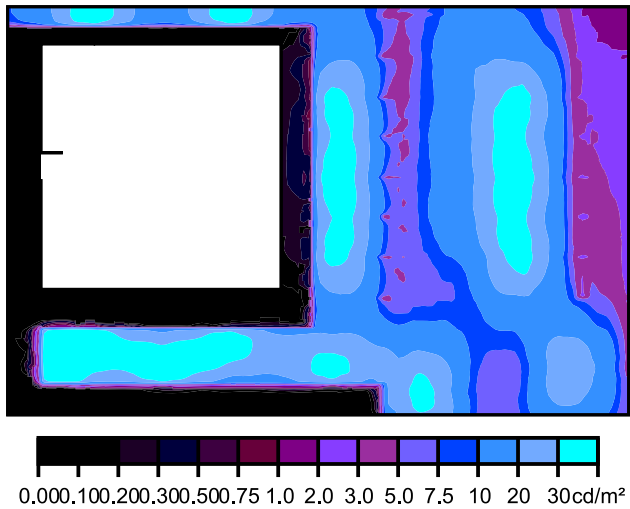**Light scene: Light scene 1**
Average: 12.8 cd/m², Min: 0.00 cd/m², Max: 48.6 cd/m², Min/average: 0.00, Min/max: 0.00
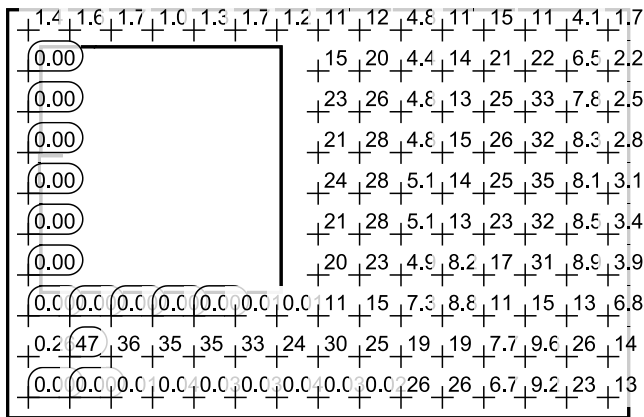
Isolines [cd/m²]

Scale: 1 : 500

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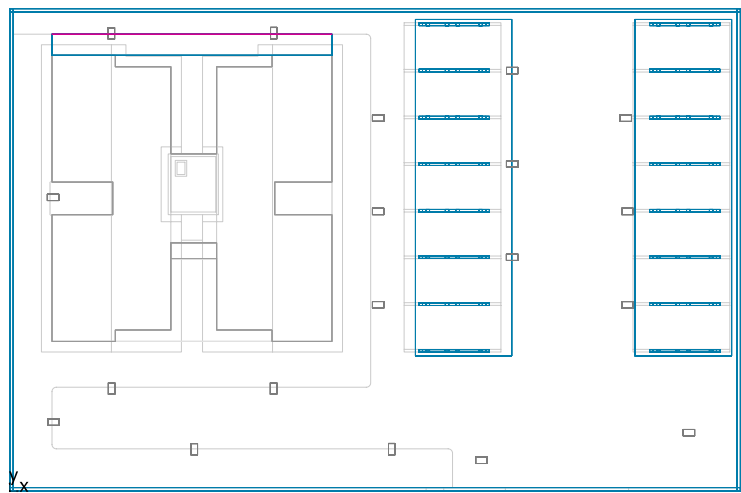## False colors [cd/m²]

0.000.100.200.300.500.75 1.0 2.0 3.0 5.0 7.5 10 20 30cd/m²

Scale: 1 : 500

Value grid [cd/m²]

Scale: 1 : 500

Surface result object 7 (Furniture) / Perpendicular illuminance (adaptive)

Light loss factor: 0.80

Surface result object 7 (Furniture): Perpendicular illuminance (adaptive) (Surface)
Light scene: Light scene 1
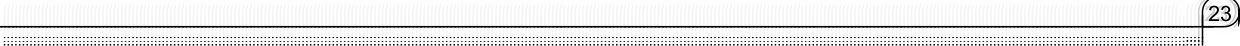Average: 21.1 lx, Min: 21.1 lx, Max: 23.2 lx, Min/average: 1.00, Min/max: 0.91

Isolines [lx]

Scale: 1 : 100

False colors [lx]

20   lx

Scale: 1 : 100

Value grid [lx]

Scale: 1 : 100

Surface result object 7 (Furniture) / Luminance
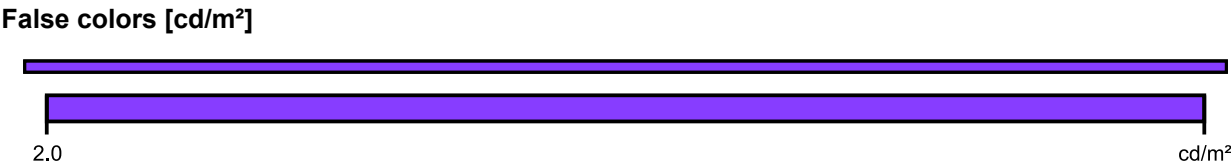

Light loss factor: 0.80

Surface result object 7 (Furniture): Luminance (Surface)
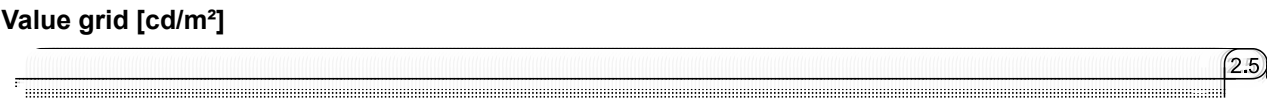**Light scene: Light scene 1**
Average: 2.30 cd/m², Min: 2.30 cd/m², Max: 2.52 cd/m², Min/average: 1.00, Min/max: 0.91

Isolines [cd/m²]
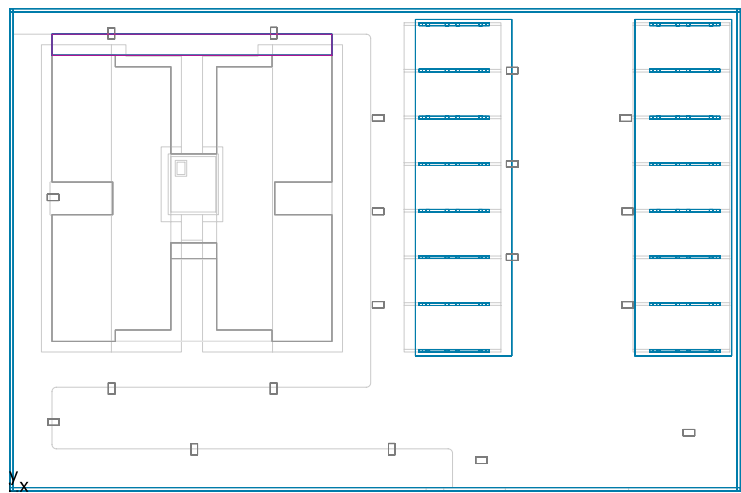

Scale: 1 : 100

False colors [cd/m²]

2.0   cd/m²

Scale: 1 : 100

Value grid [cd/m²]

Scale: 1 : 100

DIALux

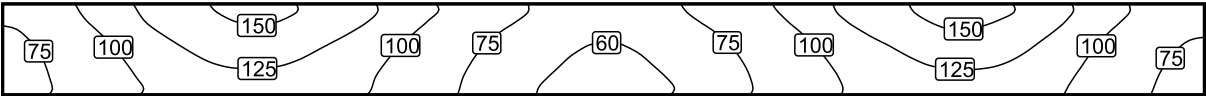## Surface result object 8 (Furniture) / Perpendicular illuminance (adaptive)

Light loss factor: 0.80

Surface result object 8 (Furniture): Perpendicular illuminance (adaptive) (Surface)
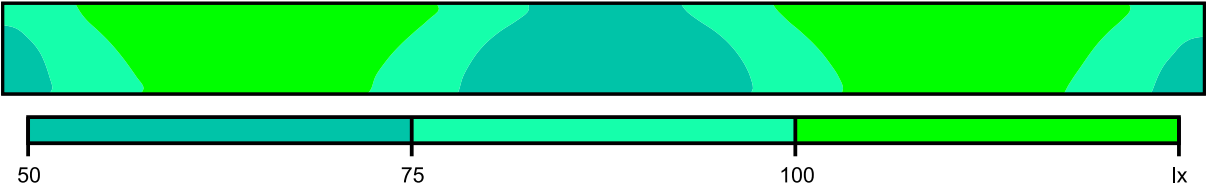**Light scene: Light scene 1**
Average: 99.4 lx, Min: 53.7 lx, Max: 162 lx, Min/average: 0.54, Min/max: 0.33
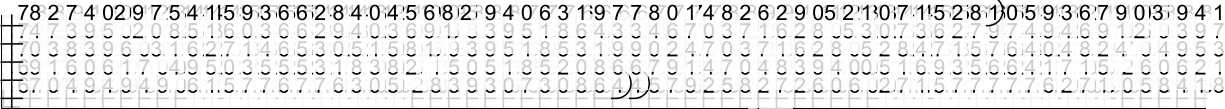
Isolines [lx]

Scale: 1 : 100
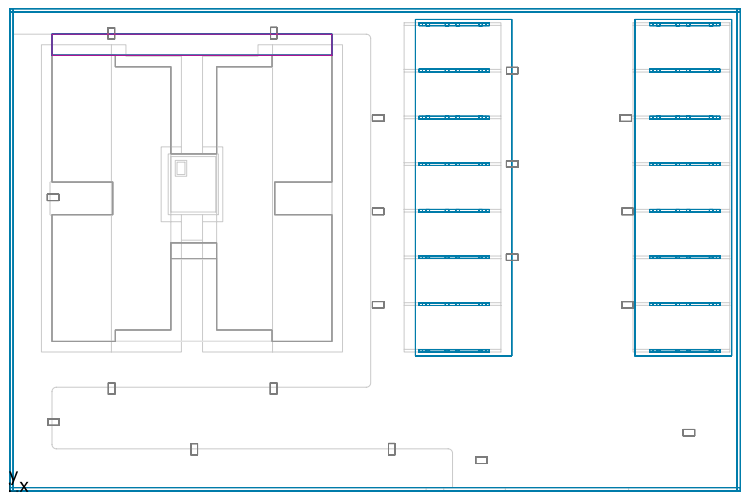
False colors [lx]

Scale: 1 : 100

Value grid [lx]

Scale: 1 : 100

Surface result object 8 (Furniture) / Luminance
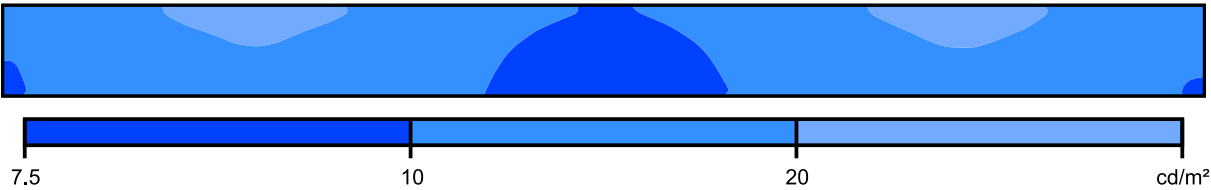

Light loss factor: 0.80

Surface result object 8 (Furniture): Luminance (Surface)
Light scene: Light scene 1
Average: 14.4 cd/m², Min: 7.76 cd/m², Max: 23.4 cd/m², Min/average: 0.54, Min/max: 0.33
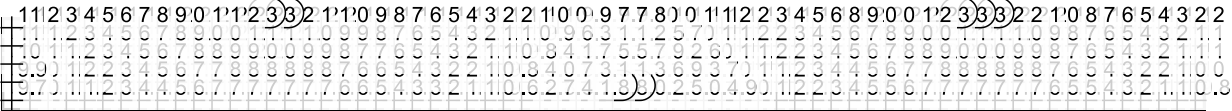
Isolines [cd/m²]

Scale: 1 : 100

False colors [cd/m²]

Scale: 1 : 100

Value grid [cd/m²]

Scale: 1 : 100