

# Bolton Fold Farm

Date: 12-10-2023

Designer: Neil Martin

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

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CalcuLuX Area 7.7.0.1

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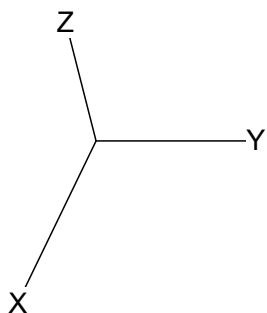
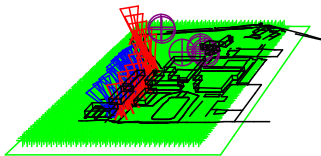
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# 1. Project Description

## 1.1 3-D Project Overview

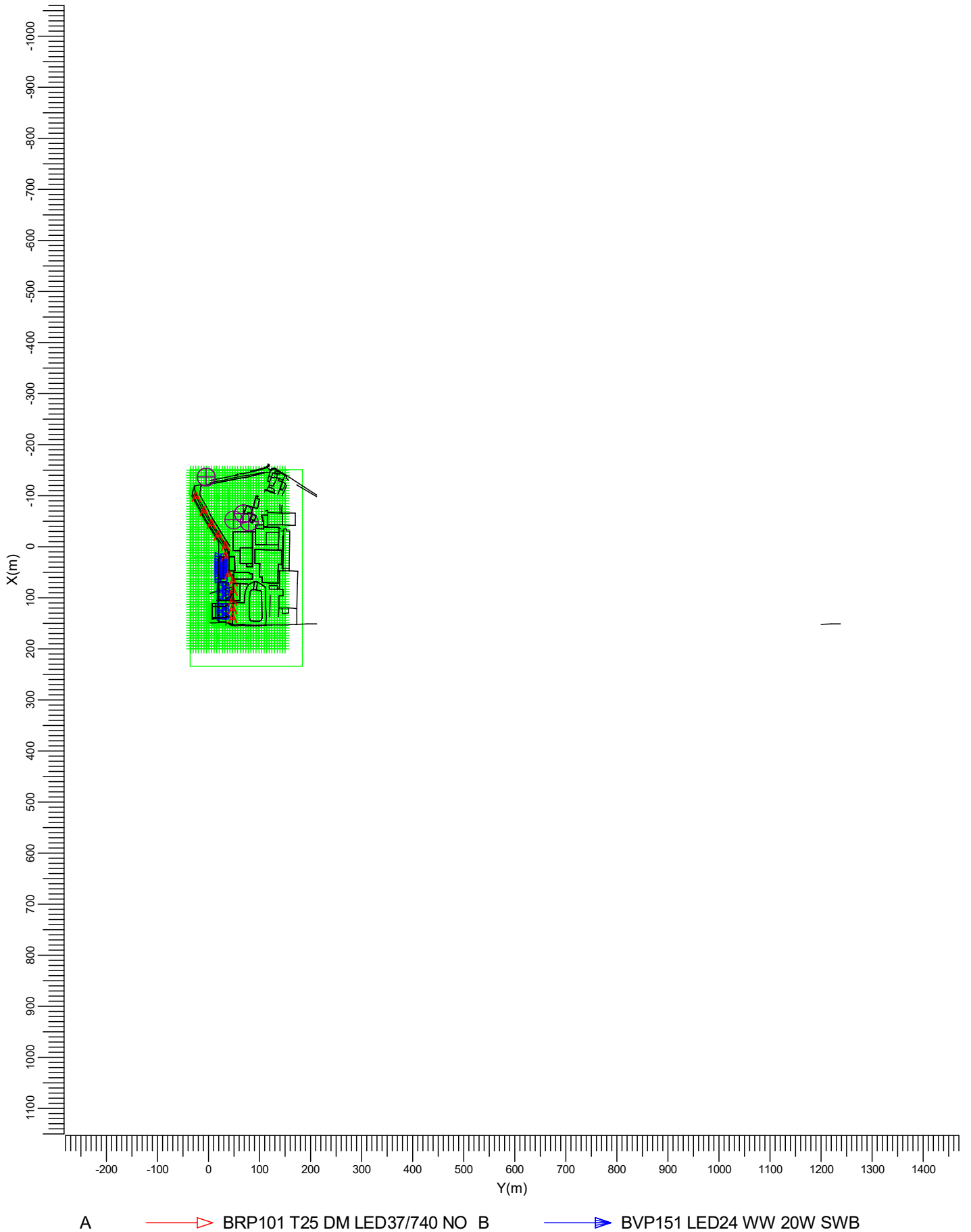
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A  BRP101 T25 DM LED37/740 NO B

 BVP151 LED24 WW 20W SWB

### 1.2 Top Project Overview



Scale  
1:10000

## 2. Summary

### 2.1 General Information

The overall maintenance factor used for this project is 1.00.

### 2.2 Observer Information

Code	Observer	Position		
		X (m)	Y (m)	Z (m)
Aa	house ground	-65.00	68.00	1.00
Bb	house first	-65.00	68.00	4.00
Cc	house 1 ground	-48.17	79.37	1.00
Dd	house 1 first	-48.17	79.37	4.00
Ee	Garden	-52.70	48.86	1.20
Ff	house 2 ground	-136.14	-5.36	1.00
Gg	house 2 first	-136.14	-5.36	4.00

### 2.3 Obstacle Information

Obstacle	Transparency (%)	Position		
		X (m)	Y (m)	Z (m)
Unit 1	0	0.00	0.00	0.00
UNit 2	0	0.00	0.00	0.00
UNit 3	0	0.00	0.00	0.00
Building 1	0	0.00	0.00	0.00
Building 2	0	0.00	0.00	0.00
Building 3	0	0.00	0.00	0.00
Building 4	0	0.00	0.00	0.00
Building 5	0	0.00	0.00	0.00
House 1	0	0.00	0.00	0.00
House 2	0	0.00	0.00	0.00
House 3	0	0.00	0.00	0.00

### 2.4 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
A	12	BRP101 T25 DM LED37/740 NO	1 * LED37/740	29.5	1 * 3700
B	11	BVP151 LED24 WW 20W SWB G2	1 * LED	20.0	1 * 2200

The total installed power: 0.57 (kWatt)

### 2.5 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min/Ave	Min/Max
Grid	Surface Illuminance	lux	0.78	0.00	0.00
site	Surface Illuminance	lux	7.78	0.00	0.00
Roadway	Surface Illuminance	lux	12.0	0.00	0.00
Overspill	Surface Illuminance	lux	0.02	0.00	0.00

Obtrusive Light Calculations:

Observer Code	Luminaire Code	Position			Aiming Angles			Maximum Intensity (cd)
		X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0	
Aa	A	-97.57	-24.19	5.00	-27.59	0.00	0.00	2
Bb	A	-97.57	-24.19	5.00	-27.59	0.00	0.00	1

Observer Code	Luminaire Code	Position			Aiming Angles			Maximum Intensity (cd)
		X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0	
Cc	A	-97.57	-24.19	5.00	-27.59	0.00	0.00	2
Dd	A	-97.57	-24.19	5.00	-27.59	0.00	0.00	1
Ee	A	-21.63	19.37	5.00	-54.13	0.00	0.00	3
Ff	A	-97.57	-24.19	5.00	-27.59	0.00	0.00	3
Gg	A	-44.66	4.86	5.00	-70.08	0.00	0.00	1

The upward light ratio (ULR) is 0.00.

### 3. Calculation Results

#### 3.1 Grid: Textual Table

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-35.00	-29.86	-24.72	-19.58	-14.44	-9.31	-4.17	0.97	6.11	11.25	16.39	21.53	26.67
X (m)													
-150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-144.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-139.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-134.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-129.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-124.64	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-119.57	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-114.49	0.02	0.04	0.05	0.05	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-109.42	0.08	0.14	0.22	0.21	0.09	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00
-104.35	1.61	1.89	1.35	0.86	0.22	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.00
-99.28	5.48	13.49	24.18	3.42	0.44	0.08	0.02	0.01	0.01	0.00	0.00	0.00	0.00
-94.20	0.93	6.18	20.48	14.08	2.75	0.18	0.03	0.01	0.01	0.00	0.00	0.00	0.00
-89.13	0.16	0.55	1.47	6.28	3.44	0.81	0.09	0.03	0.01	0.01	0.00	0.00	0.00
-84.06	0.06	0.17	0.49	0.92	1.11	0.63	0.20	0.07	0.03	0.01	0.00	0.00	0.00
-78.99	0.02	0.05	0.44	2.82	3.41	0.91	0.40	0.18	0.05	0.02	0.01	0.00	0.00
-73.91	0.02	0.03	0.10	2.56	11.39	11.69	1.64	0.38	0.09	0.03	0.01	0.01	0.00
-68.84	0.01	0.03	0.09	0.52	8.67	32.33	3.52	0.42	0.09	0.03	0.02	0.01	0.00
-63.77	0.01	0.02	0.06	0.21	1.50	14.86	7.39	0.38	0.09	0.04	0.02	0.01	0.01
-58.70	0.01	0.01	0.03	0.09	0.29	4.35	5.03	1.36	0.16	0.09	0.04	0.03	0.01
-53.62	0.00	0.01	0.02	0.04	0.09	0.59	5.03	5.58	1.08	0.28	0.12	0.04	0.01
-48.55	0.00	0.01	0.01	0.03	0.06	0.18	2.45	15.45	8.27	1.09	0.26	0.06	0.02
-43.48	0.00	0.00	0.01	0.02	0.04	0.14	0.94	17.07	28.59	1.54	0.26	0.08	0.03
-38.41	0.00	0.00	0.01	0.01	0.03	0.09	0.42	5.90	12.33	1.45	0.19	0.09	0.05
-33.33	0.00	0.00	0.00	0.01	0.02	0.05	0.17	1.83	5.70	2.32	0.43	0.23	0.14
-28.26	0.00	0.00	0.00	0.01	0.01	0.03	0.06	0.37	3.09	6.11	6.80	1.28	0.50
-23.19	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.13	0.54	6.43	22.51	8.69	1.06
-18.12	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.07	0.23	1.08	13.69	20.14	1.78
-13.04	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.10	0.34	1.89	9.57	3.34
-7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.11	0.50	5.74	7.76
-2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.13	1.39	14.29
2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.09	0.38	2.82
7.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.06	0.19	0.73
12.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.06	0.20	0.58
17.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.06	0.24	1.28
22.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00<	0.00<
27.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<

Continue >

Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-35.00	-29.86	-24.72	-19.58	-14.44	-9.31	-4.17	0.97	6.11	11.25	16.39	21.53	26.67
X (m)													
32.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
37.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
42.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
47.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
52.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
57.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
63.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
68.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
73.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
78.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
83.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
88.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
93.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
98.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
103.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
108.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
113.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
118.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<
123.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<
128.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<
134.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<
139.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<
144.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
149.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
154.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
159.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
164.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
169.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
184.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
189.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
194.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	31.81	36.94	42.08	47.22	52.36	57.50	62.64	67.78	72.92	78.06	83.19	88.33	93.47
X (m)													
-150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-144.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-139.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-134.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-129.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-124.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-119.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-114.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-109.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-104.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-99.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-94.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-89.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-84.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-78.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00	0.00<
-73.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<	0.00<
-68.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<	0.00<	0.00<
-63.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
-58.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<
-53.62	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00<
-48.55	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<	0.00
-43.48	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-38.41	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-33.33	0.06	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-28.26	0.15	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-23.19	0.19	0.06	0.03	0.02	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
-18.12	0.20	0.08	0.05	0.03	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
-13.04	0.32	0.18	0.11	0.05	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
-7.97	2.98	0.80	0.30	0.10	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
-2.90	28.24	3.02	0.52	0.17	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
2.17	21.69	10.15	0.65	0.37	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
7.25	7.72	6.96	2.31	1.05	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
12.32	2.65	9.79	6.30	1.14	0.13	0.06	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
17.39	14.29	22.54	6.14	0.21	0.04	0.02	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
22.46	51.47>	21.08	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
27.54	45.30	11.88	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<

Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	31.81	36.94	42.08	47.22	52.36	57.50	62.64	67.78	72.92	78.06	83.19	88.33	93.47
X (m)	32.61	36.81	10.88	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
	37.68	34.29	10.80	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.01	0.00<	0.00<	0.00<
	42.75	35.95	11.01	0.00<	0.00<	0.00<	0.00<	0.03	0.00	0.01	0.01	0.01	0.00
	47.83	42.17	16.83	4.16	1.61	0.49	0.12	0.07	0.02	0.01	0.01	0.01	0.00
	52.90	44.80	33.66	16.76	3.41	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00
	57.97	33.72	19.06	24.90	8.94	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00
	63.04	14.63	6.31	15.26	18.96	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00
	68.12	2.33	2.75	7.71	35.89	4.29	0.63	0.14	0.04	0.01	0.00	0.00	0.00
	73.19	0.00<	4.60	9.31	21.55	0.00<	0.00<	0.00<	0.04	0.02	0.01	0.01	0.00
	78.26	0.00<	19.29	12.10	14.37	0.00<	0.00<	0.00<	0.00<	0.01	0.01	0.01	0.00
	83.33	0.00<	13.43	10.35	26.13	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00
	88.41	0.00<	6.50	10.62	33.05	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00
	93.48	0.00<	20.11	14.57	14.58	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00	0.01
	98.55	0.00<	12.06	12.91	13.70	0.00<	0.00<	0.00<	0.00	0.01	0.01	0.01	0.01
	103.62	0.00<	2.77	9.94	31.73	0.00<	0.00<	0.00	0.03	0.02	0.02	0.01	0.01
	108.70	0.11	1.68	11.95	27.28	0.33	0.15	0.08	0.05	0.03	0.02	0.01	0.01
	113.77	0.13	5.11	14.98	14.44	1.44	0.28	0.13	0.07	0.04	0.02	0.02	0.01
	118.84	0.00<	21.38	15.95	25.54	2.28	0.60	0.20	0.08	0.04	0.02	0.02	0.01
	123.91	0.00<	13.32	15.75	34.45	2.96	0.68	0.22	0.10	0.04	0.03	0.02	0.01
	128.99	0.00<	14.37	17.42	15.12	1.53	0.50	0.21	0.10	0.05	0.03	0.02	0.01
	134.06	0.00<	19.55	17.69	16.31	1.51	0.47	0.20	0.09	0.05	0.03	0.02	0.01
	139.13	0.00<	4.58	14.33	34.65	2.60	0.57	0.17	0.08	0.04	0.03	0.02	0.01
	144.20	0.09	1.18	11.24	18.81	1.48	0.38	0.14	0.07	0.04	0.02	0.02	0.01
	149.28	0.06	0.38	6.21	5.14	0.46	0.18	0.08	0.05	0.03	0.02	0.01	0.01
	154.35	0.04	0.19	2.21	1.38	0.15	0.08	0.05	0.03	0.02	0.02	0.01	0.01
	159.42	0.02	0.16	0.56	0.34	0.06	0.04	0.03	0.02	0.02	0.01	0.01	0.01
	164.49	0.01	0.06	0.12	0.06	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
	169.57	0.01	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
	174.64	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
	179.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	184.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	189.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	194.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	98.61	103.75	108.89	114.03	119.17	124.31	129.44	134.58	139.72	144.86	150.00
X (m)											
-150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-144.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-139.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-134.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-129.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-124.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-119.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-114.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-109.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-104.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-99.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-94.20	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<
-89.13	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<
-84.06	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
-78.99	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00<	0.00<
-73.91	0.00	0.00<	0.00<	0.00<	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<
-68.84	0.00<	0.00	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00
-63.77	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00
-58.70	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-53.62	0.00<	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-48.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<	0.00<
-43.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-38.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00<
-28.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-23.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-18.12	0.00<	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-13.04	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-7.97	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.90	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00	0.00
2.17	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00	0.00	0.00
7.25	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00	0.00
12.32	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
17.39	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
22.46	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<
27.54	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<	0.00<

Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	98.61	103.75	108.89	114.03	119.17	124.31	129.44	134.58	139.72	144.86	150.00
X (m)	32.61	37.68	42.75	47.83	52.90	57.97	63.04	68.12	73.19	78.26	83.33
	88.41	93.48	98.55	103.62	108.70	113.77	118.84	123.91	128.99	134.06	139.13
	144.20	149.28	154.35	159.42	164.49	169.57	174.64	179.71	184.78	189.86	194.93
	200.00										

Average  
0.78

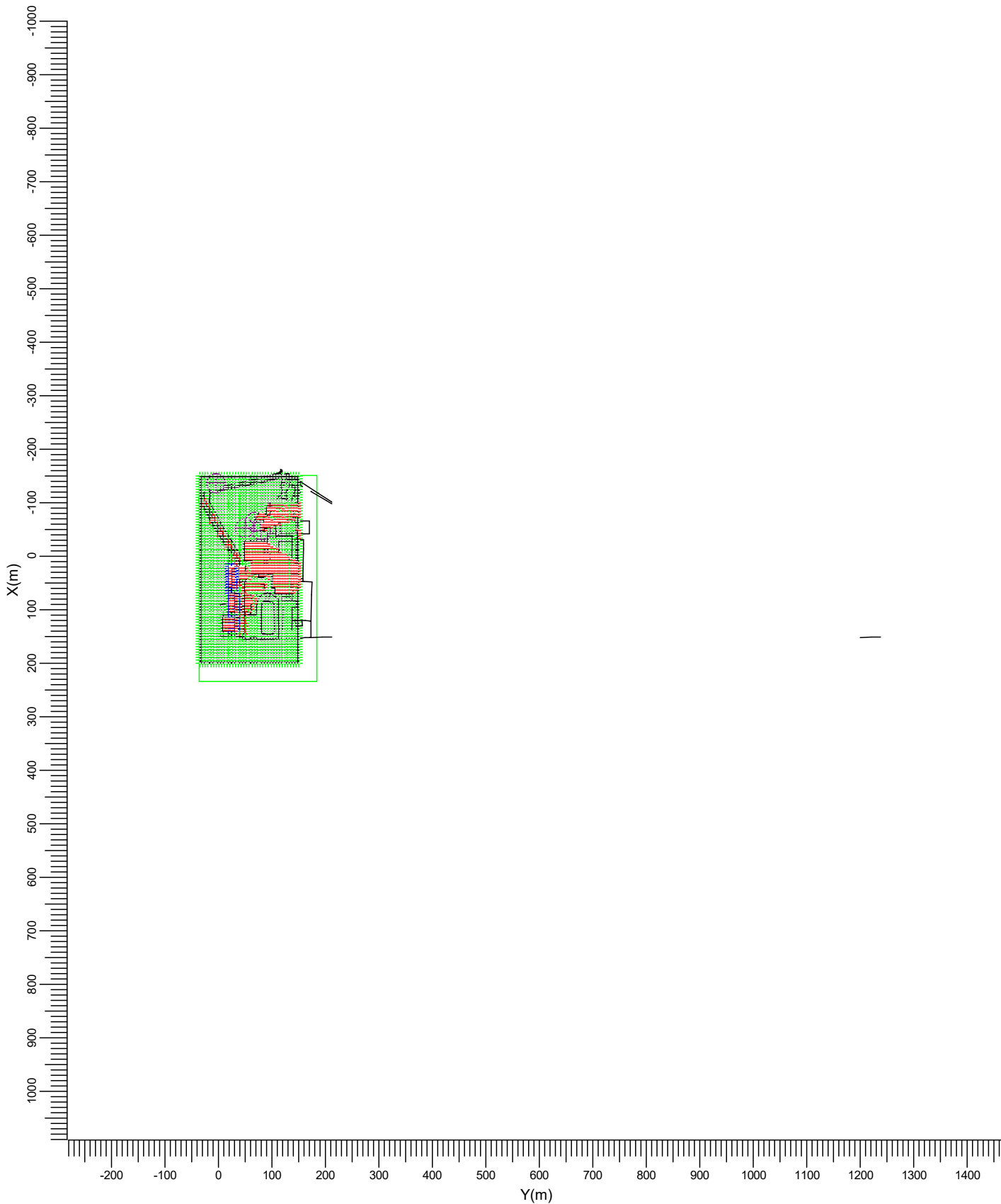
Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

### 3.2 Grid: Graphical Table

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A       BRP101 T25 DM LED37/740 NO B       BVP151 LED24 WW 20W SWB

Average  
0.78

Min/Ave  
0.00

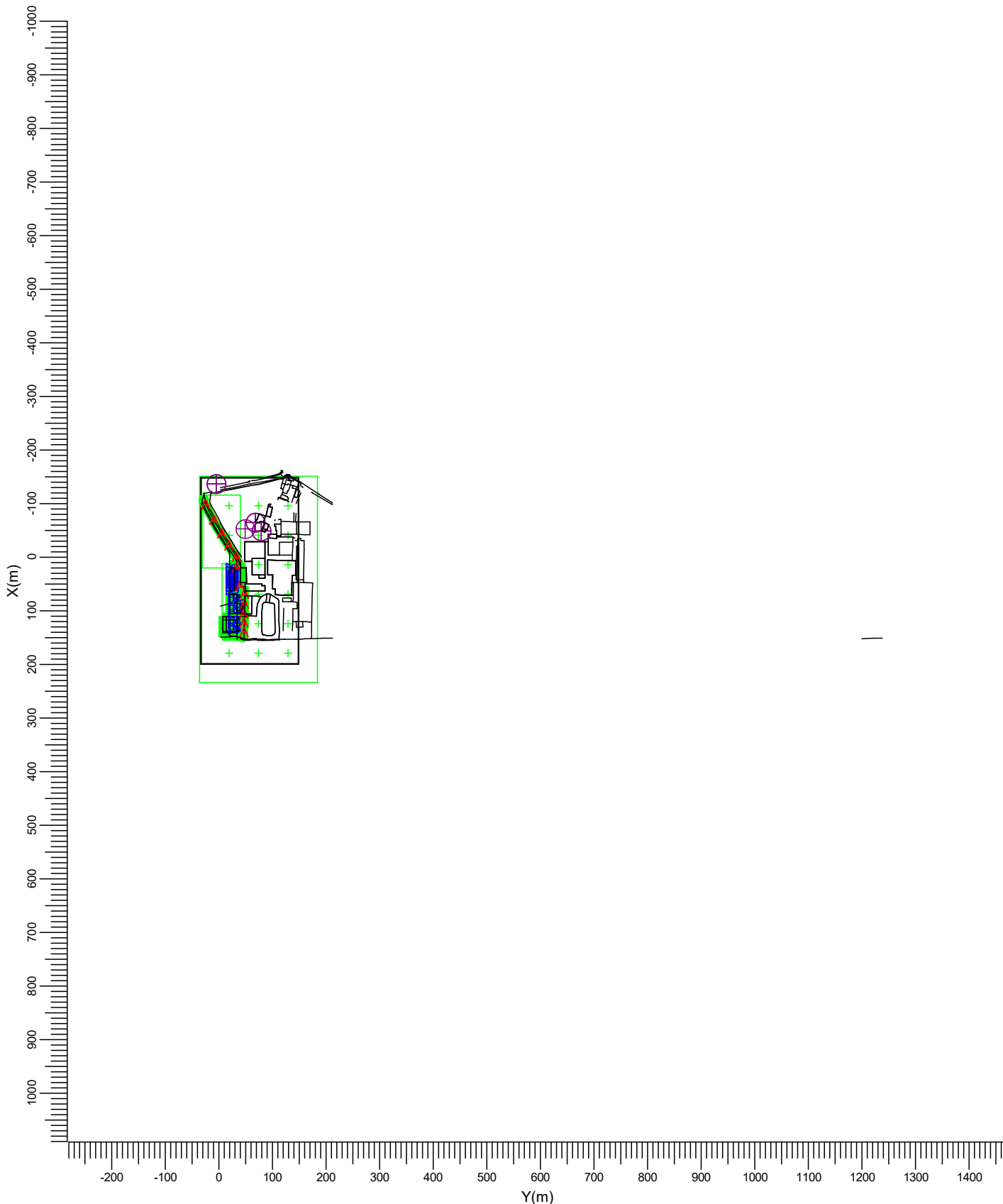
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.3 Grid: Iso Contour

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A       BRP101 T25 DM LED37/740 NO B       BVP151 LED24 WW 20W SWB

Average  
0.78

Min/Ave  
0.00

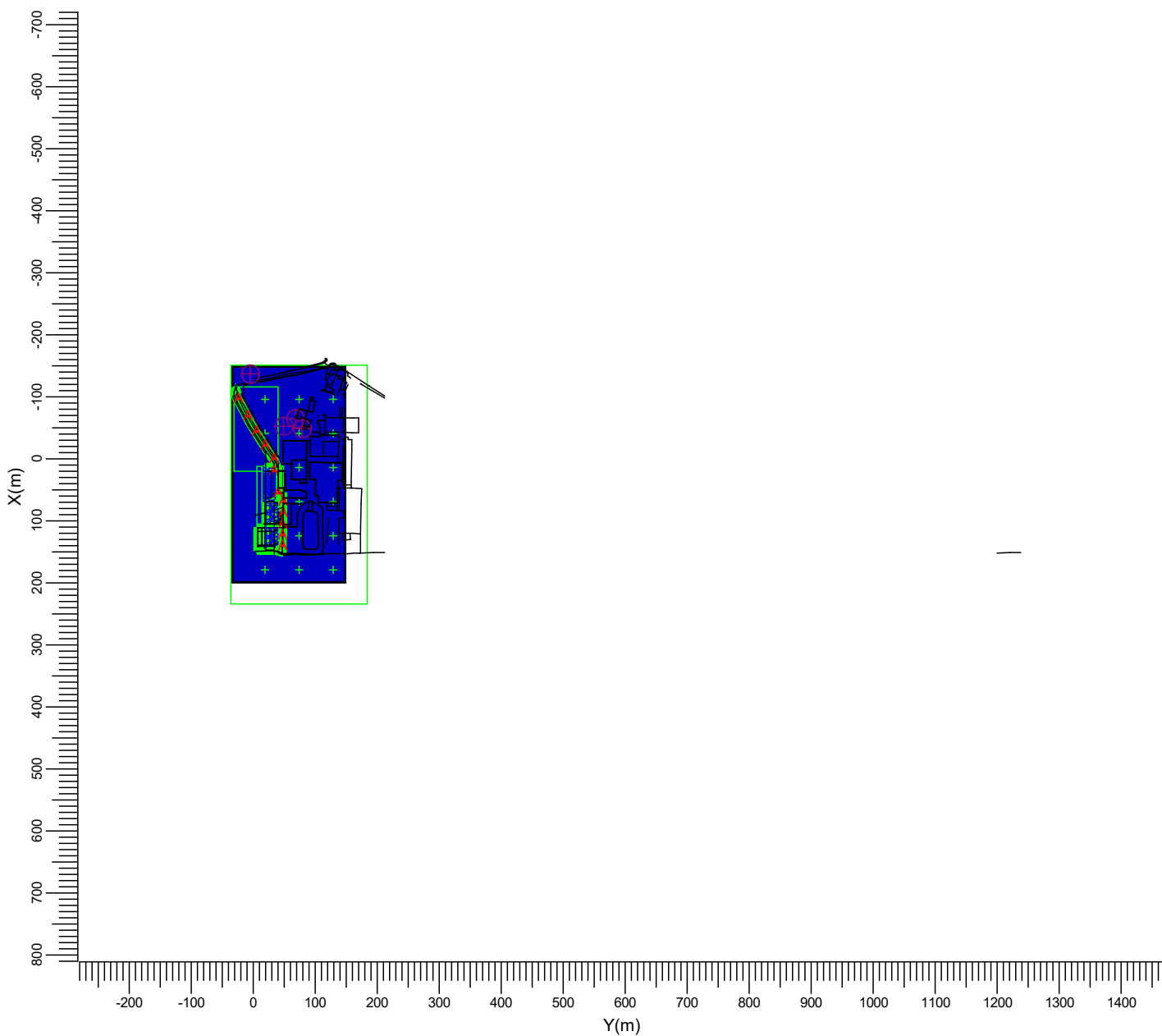
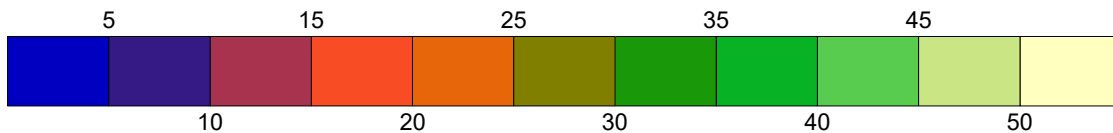
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.4 Grid: Filled Iso Contour

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A → BRP101 T25 DM LED37/740 NO B → BVP151 LED24 WW 20W SWB

Average  
0.78

Min/Ave  
0.00

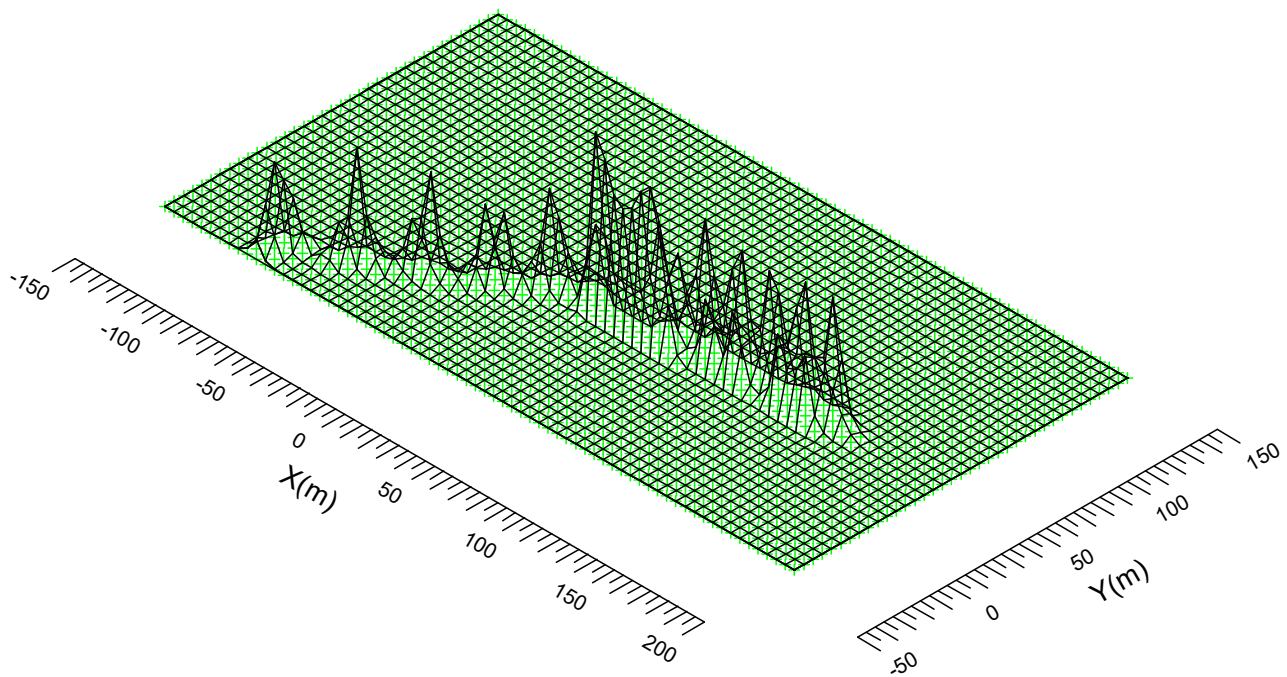
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.5 Grid: Mountain Plot

Grid : Over spill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



Average  
0.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

## 3.6 site: Textual Table

Grid		: site at Z = -0.00 m											
Calculation		: Surface Illuminance (lux)											
Y (m)	5.70	6.70	7.70	8.70	9.70	10.70	11.70	12.70	13.70	14.70	15.70	16.70	17.70
X (m)													
12.57													
13.57													
14.57													
15.57													
16.57													
17.57													
18.57													
19.57													
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42.57													
43.57													
44.57													
45.57													
46.57													
47.57													
48.57													

Continue &gt;

Average  
7.78Min/Ave  
0.00Min/Max  
0.00Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	5.70	6.70	7.70	8.70	9.70	10.70	11.70	12.70	13.70	14.70	15.70	16.70	17.70
X (m)													
49.57													
50.57													
51.57													
52.57													
53.57													
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81.57													
82.57													
83.57													
84.57													
85.57													
86.57													

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	5.70	6.70	7.70	8.70	9.70	10.70	11.70	12.70	13.70	14.70	15.70	16.70	17.70
X (m)													
87.57													
88.57													
89.57													
90.57													
91.57													
92.57													
93.57													
94.57													
95.57													
96.57													
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100.57													
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103.57													
104.57													
105.57													
106.57													
107.57													
108.57													
109.57													
110.57													
111.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
119.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
120.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
121.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
122.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
123.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
124.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	5.70	6.70	7.70	8.70	9.70	10.70	11.70	12.70	13.70	14.70	15.70	16.70	17.70
X (m)													
125.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
126.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
127.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
128.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
129.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
130.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
131.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
132.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
133.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
134.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
135.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
136.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
137.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
138.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
139.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149.57													
150.57													
151.57													
152.57													

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	18.70	19.70	20.70	21.70	22.70	23.70	24.70	25.70	26.70	27.70	28.70	29.70	30.70
X (m)													
12.57													
13.57		0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	2.3	2.7
14.57		0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.9	1.1	1.4	3.2	3.8
15.57		0.2	0.2	0.3	0.3	0.4	0.6	0.8	1.0	1.4	1.8	4.5	5.4
16.57		0.2	0.2	0.3	0.3	0.5	0.6	0.9	1.2	1.6	2.2	6.3	7.6
17.57		0.1	0.2	0.3	0.3	0.5	0.7	0.9	1.3	1.9	2.7	8.8	10.9
18.57		0.1	0.2	0.2	0.3	0.5	0.7	1.0	1.4	2.1	3.0	12.2	15.6
19.57		0.1	0.2	0.2	0.3	0.5	0.7	1.0	1.4	2.2	3.3	17.2	23.2
20.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	25.0	33.5
21.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	35.2	43.5
22.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	44.7	50.8
23.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	50.2	54.2>
24.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	50.9	53.5
25.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	48.8	50.9
26.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	47.2	48.9
27.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	47.4	48.8
28.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	48.6	49.6
29.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	48.0	48.8
30.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	44.8	45.8
31.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	41.3	42.2
32.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	39.7	40.6
33.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	40.9	41.4
34.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	43.2	43.2
35.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	43.6	43.4
36.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	41.2	41.3
37.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	38.1	38.5
38.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	36.8	37.3
39.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	38.3	38.7
40.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	41.2	41.2
41.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	42.5	42.4
42.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	41.0	41.1
43.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	38.4	38.8
44.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	37.4	38.1
45.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	39.3	40.0
46.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	43.2	43.7
47.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	46.2	46.6
48.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	46.3	47.1

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	18.70	19.70	20.70	21.70	22.70	23.70	24.70	25.70	26.70	27.70	28.70	29.70	30.70
X (m)													
49.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	44.6	45.9
50.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	43.3	45.3
51.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	43.7	46.1
52.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	45.0	47.2
53.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	45.0	46.6
54.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	42.1	43.4
55.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	38.7	39.5
56.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	36.8	37.5
57.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	37.1	37.6
58.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	38.4	38.4
59.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	37.4	37.2
60.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	32.7	32.6
61.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	25.6	25.7
62.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	18.3	18.7
63.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	13.0
64.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	8.4	8.8
65.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	5.5	5.9
66.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	3.6	4.0
67.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.4	2.7
68.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.6	1.8
69.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
70.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
71.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
72.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
73.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
74.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
75.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
76.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
77.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
78.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
79.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
80.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
81.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
82.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
83.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
84.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
85.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
86.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	18.70	19.70	20.70	21.70	22.70	23.70	24.70	25.70	26.70	27.70	28.70	29.70	30.70
X (m)													
87.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
88.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
89.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
90.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
91.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
92.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
93.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
94.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
95.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
96.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
97.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
98.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
99.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
100.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
101.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
102.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
103.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
104.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
105.57		0.0	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
106.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
107.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
108.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
109.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
110.57		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
111.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
112.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
113.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
114.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
115.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
116.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
119.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
120.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
121.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
122.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
123.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
124.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	18.70	19.70	20.70	21.70	22.70	23.70	24.70	25.70	26.70	27.70	28.70	29.70	30.70
X (m)													
125.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
126.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
127.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
128.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
129.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
130.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
131.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
132.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
133.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
134.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
135.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
136.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
137.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
138.57	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<	0.0<
139.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
140.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
141.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
142.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
143.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
144.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
145.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
146.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
147.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
148.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
149.57													
150.57													
151.57													
152.57													

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	31.70	32.70	33.70	34.70	35.70	36.70	37.70	38.70	39.70	40.70	41.70	42.70	43.70
X (m)													
12.57													
13.57	3.2	4.5	7.0	9.8	11.9	12.6	12.2	11.1	10.0				
14.57	4.4	6.2	10.0	13.6	15.4	15.4	14.2	12.7	11.4				
15.57	6.5	9.4	14.8	18.9	19.8	18.3	16.3	14.5	13.0				
16.57	9.7	14.9	22.0	25.5	24.4	21.3	18.5	16.4	14.2				
17.57	14.8	23.3	31.0	32.1	28.3	23.8	20.6	17.9	14.7				
18.57	23.0	33.7	39.1	36.4	30.3	25.3	21.9	18.2	13.5				
19.57	33.4	42.6	43.3	37.3	30.4	25.9	22.0	16.5	10.8				
20.57	43.0	47.3	43.7	36.3	30.5	26.3	20.6	13.6	8.5				
21.57	48.9	48.4	42.3	35.2	30.7	25.5	17.8	10.9	6.7				
22.57	51.8	47.8	41.0	34.8	29.8	22.7	14.6	9.0	6.2				
23.57	52.2	46.6	40.0	34.2	27.5	19.1	12.4	8.0	6.0				
24.57	50.5	44.9	38.9	32.7	24.6	16.4	10.7	7.8	5.9				
25.57	48.0	43.0	37.2	30.4	22.1	14.9	10.1	7.6	5.9				
26.57	46.2	41.4	35.3	28.0	20.1	13.7	9.8	7.5	5.8				
27.57	45.8	40.4	33.5	25.9	18.7	12.9	9.6	7.4	5.8				
28.57	45.8	39.5	31.9	24.1	17.6	12.4	9.4	7.3	5.8				
29.57	44.7	37.9	30.0	22.6	16.5	12.0	9.3	7.3	5.8				
30.57	42.1	35.6	28.0	21.3	15.7	11.8	9.2	7.3	5.8				
31.57	39.0	33.1	26.3	20.2	15.1	11.6	9.1	7.2	5.8				
32.57	37.4	31.6	25.2	19.5	14.8	11.5	9.1	7.2	5.8				
33.57	37.5	31.3	24.8	19.2	14.7	11.5	9.1	7.2	5.8				
34.57	38.5	31.6	24.9	19.1	14.7	11.5	9.1	7.2	5.8				
35.57	38.5	31.5	24.7	19.0	14.7	11.5	9.1	7.2	5.8				
36.57	37.0	30.6	24.2	18.8	14.7	11.5	9.1	7.2	5.8				
37.57	35.0	29.5	23.7	18.6	14.6	11.4	9.1	7.3	5.9				
38.57	34.2	29.0	23.4	18.5	14.6	11.4	9.1	7.3	5.9				
39.57	35.1	29.5	23.7	18.6	14.6	11.5	9.1	7.3	5.9				
40.57	36.8	30.4	24.1	18.8	14.7	11.5	9.1	7.3	5.9				
41.57	37.7	30.9	24.3	18.9	14.8	11.6	9.2	7.3	6.0				
42.57	36.8	30.5	24.2	19.0	14.8	11.6	9.3	7.4	6.0				
43.57	35.4	29.9	24.2	19.1	15.0	11.8	9.4	7.5	6.1				
44.57	35.1	30.1	24.7	19.7	15.5	12.2	9.6	7.8	6.3				
45.57	36.8	31.6	26.0	20.9	16.6	13.0	10.2	8.1	6.5				
46.57	39.8	34.0	28.0	22.8	18.3	14.6	11.4	8.8	6.9				
47.57	42.4	36.2	30.2	25.0	20.7	16.9	13.4	10.2	7.8				
48.57	43.2	37.5	31.9	27.3	23.6	20.3	16.7	12.7	9.2				

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

&lt; Continue

Continue &gt;

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	31.70	32.70	33.70	34.70	35.70	36.70	37.70	38.70	39.70	40.70	41.70	42.70	43.70	
X (m)	49.57	43.0	38.1	33.2	29.4	26.7	24.4	21.4	17.0	12.0				
	50.57	43.2	39.0	34.5	31.2	29.3	28.4	27.1	23.5	17.3				
	51.57	44.4	40.5	36.2	32.9	31.3	31.5	32.4	31.3	26.0				
	52.57	45.3	41.4	37.5	34.4	32.7	33.1	35.4	37.6	35.4				
	53.57	44.1	40.3	37.1	34.8	33.2	32.9	34.9	38.6	40.4				
	54.57	40.8	36.7	33.8	32.6	32.2	31.8	32.4	35.5	39.1	39.1			
	55.57	36.6	32.7	29.2	28.0	29.0	30.3	30.6	31.4	34.0	36.0	33.9	27.5	19.9
	56.57	34.6	30.0	25.6	23.5	23.8	26.6	28.4	28.5	29.2	30.8	30.6	27.5	22.2
	57.57	34.2	29.0	23.9	20.0	19.2	20.7	23.9	25.5	26.0	26.4	26.5	25.2	22.2
	58.57	34.2	28.3	22.6	18.3	15.6	15.8	18.0	21.1	23.1	23.5	23.4	22.8	21.2
	59.57	32.8	26.7	21.0	16.6	13.7	12.2	13.3	16.1	19.3	20.9	21.2	21.1	20.3
	60.57	28.9	23.6	18.5	14.6	11.9	10.2	10.1	11.9	15.0	17.9	19.2	20.0	19.8
	61.57	23.2	19.3	15.5	12.4	10.1	8.6	7.8	9.0	11.3	14.5	17.2	19.1	19.8
	62.57	17.3	14.9	12.3	10.1	8.4	7.1	6.4	6.7	8.5	11.3	14.9	18.2	20.2
	63.57	12.3	11.0	9.4	8.0	6.8	5.9	5.3	5.2	6.6	8.6	12.5	17.0	20.6
	64.57	8.6	7.9	7.0	6.2	5.4	4.8	4.4	4.3	5.0	6.7	10.1	15.2	20.6
	65.57	6.0	5.6	5.2	4.8	4.4	4.0	3.8	3.7	4.1	5.5	8.2	13.3	20.0
	66.57	4.1	4.0	3.8	3.8	3.6	3.4	3.3	3.4	3.7	4.6	6.9	12.0	19.3
	67.57	2.8	2.9	2.8	3.1	3.0	2.9	2.9	3.1	3.5	4.2	6.1	11.2	19.1
	68.57	2.0	2.0	2.1	2.6	2.6	2.6	2.7	3.0	3.4	4.1	5.8	11.0	19.0
	69.57	0.0<	0.0<	0.0<	2.4	2.5	2.6	2.7	3.0	3.4	4.2	5.7	10.8	18.6
	70.57	0.0<	0.0<	0.0<	1.7	2.6	2.7	2.9	3.1	3.5	4.3	6.0	10.8	18.0
	71.57	0.0<	0.0<	0.0<	2.1	3.0	3.1	3.2	3.4	3.8	4.5	6.6	11.1	17.8
	72.57	0.0<	0.0<	0.0<	3.0	3.8	3.9	3.9	3.9	4.1	4.9	7.3	11.9	17.6
	73.57	0.0<	0.0<	0.0<	4.6	4.9	5.1	4.9	4.7	4.7	5.4	8.2	12.5	17.1
	74.57	0.0<	0.0<	0.0<	6.9	7.1	7.0	6.4	5.8	5.4	6.3	9.0	13.0	16.6
	75.57	0.0<	0.0<	0.0<	10.2	10.2	9.5	8.5	7.2	6.4	7.4	9.7	13.3	16.3
	76.57	0.0<	0.0<	0.0<	15.1	14.7	13.1	11.1	9.1	7.6	8.3	10.3	13.6	16.2
	77.57	0.0<	0.0<	0.0<	21.3	20.2	17.4	14.0	11.0	9.0	9.1	10.9	13.8	16.2
	78.57	0.0<	0.0<	0.0<	27.6	25.8	21.5	16.7	12.7	10.2	9.5	11.2	14.0	16.3
	79.57	0.0<	0.0<	0.0<	31.7	29.3	24.1	18.4	13.7	10.9	9.7	11.3	14.0	16.6
	80.57	0.0<	0.0<	0.0<	31.3	29.0	23.9	18.3	13.8	11.0	9.7	11.0	13.9	17.1
	81.57	0.0<	0.0<	0.0<	26.8	25.1	21.1	16.6	12.9	10.4	9.3	10.4	13.6	17.7
	82.57	0.0<	0.0<	0.0<	20.5	19.6	17.0	13.9	11.4	9.5	8.8	9.6	13.0	18.2
	83.57	0.0<	0.0<	0.0<	14.7	14.4	13.0	11.2	9.6	8.5	8.1	8.9	12.6	18.5
	84.57	0.0<	0.0<	0.0<	10.4	10.5	9.8	9.0	8.2	7.6	7.5	8.5	12.6	19.1
	85.57	0.0<	0.0<	0.0<	7.6	7.9	7.7	7.4	7.0	6.8	7.1	8.2	12.8	20.1
	86.57	0.0<	0.0<	0.0<	6.0	6.4	6.5	6.5	6.4	6.4	6.8	8.3	13.2	20.6

Average  
7.78Min/Ave  
0.00Min/Max  
0.00Project maintenance factor  
1.00

&lt; Continue

Continue &gt;

Grid : site at Z = -0.00 m  
 Calculation : Surface Illuminance (lux)

Y (m)	31.70	32.70	33.70	34.70	35.70	36.70	37.70	38.70	39.70	40.70	41.70	42.70	43.70
X (m)	87.57	88.57	89.57	90.57	91.57	92.57	93.57	94.57	95.57	96.57	97.57	98.57	99.57
	0.0<	0.0<	0.0<	5.6	6.0	6.2	6.2	6.2	6.3	6.8	8.6	13.6	20.7
	0.0<	0.0<	0.0<	6.3	6.6	6.6	6.5	6.4	6.5	6.9	9.3	14.1	20.5
	0.0<	0.0<	0.0<	8.0	8.2	8.0	7.5	7.1	7.0	7.4	10.1	15.0	20.4
	0.0<	0.0<	0.0<	11.0	11.0	10.3	9.2	8.3	7.7	8.3	11.2	15.8	19.8
	0.0<	0.0<	0.0<	15.6	15.2	13.6	11.6	9.8	8.8	9.7	12.3	16.2	18.8
	0.0<	0.0<	0.0<	21.6	20.5	17.7	14.3	11.4	10.0	10.8	13.1	16.1	17.7
	0.0<	0.0<	0.0<	27.8	25.9	21.6	16.8	12.9	11.3	11.6	13.6	15.9	16.8
	0.0<	0.0<	0.0<	31.8	29.3	23.9	18.2	13.8	12.0	12.0	13.8	15.7	16.1
	0.0<	0.0<	0.0<	31.3	28.8	23.6	18.0	13.8	11.9	12.1	13.7	15.4	15.8
	0.0<	0.0<	0.0<	26.7	24.8	20.7	16.2	12.8	11.1	11.6	13.3	15.1	15.6
	0.0<	0.0<	0.0<	20.2	19.2	16.6	13.5	11.2	9.9	10.8	12.6	14.7	15.7
	0.0<	0.0<	0.0<	14.2	13.9	12.4	10.7	9.3	8.6	9.7	11.9	14.5	16.1
	0.0<	0.0<	0.0<	9.6	9.7	9.0	8.2	7.5	7.3	8.4	11.1	14.4	16.8
	0.0<	0.0<	0.0<	6.5	6.7	6.5	6.3	6.1	6.2	7.2	10.2	14.3	17.8
	0.0<	0.0<	0.0<	4.3	4.6	4.8	4.9	5.0	5.4	6.3	9.3	14.1	18.8
	0.0<	0.0<	0.0<	3.0	3.3	3.5	3.8	4.2	4.7	5.7	8.6	13.7	19.6
	0.0<	0.0<	0.0<	2.1	2.4	2.7	3.1	3.6	4.2	5.3	8.3	13.8	20.3
	0.0<	0.0<	0.0<	1.6	1.8	2.2	2.6	3.1	3.9	5.1	8.2	14.3	21.4
	0.0<	0.0<	0.0<	1.3	1.5	1.8	2.3	2.9	3.7	4.9	8.3	14.7	21.9
	0.1	0.1	0.4	1.1	1.4	1.6	2.1	2.7	3.6	4.9	8.5	15.0	21.8
	0.1	0.1	0.6	1.1	1.3	1.6	2.0	2.6	3.5	5.0	8.9	15.3	21.3
	0.1	0.2	0.7	1.2	1.4	1.6	2.0	2.6	3.6	5.4	9.6	15.8	20.9
	0.1	0.2	0.2	1.3	1.5	1.8	2.1	2.7	3.8	6.2	10.7	16.3	20.2
	0.1	0.2	0.2	1.6	1.9	2.1	2.3	2.9	4.1	7.2	11.7	16.5	19.2
	0.1	0.2	0.2	2.2	2.4	2.6	2.8	3.3	4.8	8.1	12.4	16.4	18.2
	0.1	0.2	0.2	3.1	3.4	3.5	3.6	3.8	5.7	8.8	13.0	16.5	17.7
	0.1	0.2	0.2	4.6	4.8	4.8	4.7	4.7	6.6	9.5	13.5	16.7	17.5
	0.1	0.2	0.2	6.8	7.0	6.7	6.2	6.1	7.4	10.2	13.9	16.9	17.8
	0.1	0.1	0.2	10.1	10.1	9.4	8.4	7.9	8.3	10.8	14.3	17.3	18.6
	0.1	0.1	0.2	14.9	14.5	13.0	11.2	9.9	9.4	11.3	14.5	18.0	19.6
	0.0	0.1	0.2	21.0	20.0	17.3	14.3	12.0	10.7	11.5	14.6	18.6	21.1
	0.0<	0.0<	0.0<	27.5	25.7	21.6	17.2	13.8	11.8	11.6	14.3	19.0	22.5
	0.0<	0.0<	0.0<	31.9	29.5	24.4	19.1	15.0	12.5	11.7	14.1	19.2	23.6
	0.0<	0.0<	0.0<	31.9	29.5	24.5	19.3	15.1	12.6	11.7	14.1	19.5	24.5
	0.0<	0.0<	0.0<	27.7	26.0	22.1	17.9	14.4	12.2	11.5	14.0	20.0	25.3
	0.0<	0.0<	0.0<	21.6	20.8	18.4	15.5	13.0	11.4	11.0	13.9	20.2	25.5
	0.0<	0.0<	0.0<	16.1	16.0	14.7	13.0	11.5	10.6	10.6	13.7	19.9	24.9
	0.0<	0.0<	0.0<	12.3	12.5	12.0	11.1	10.2	9.9	10.4	13.8	19.6	24.1

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	31.70	32.70	33.70	34.70	35.70	36.70	37.70	38.70	39.70	40.70	41.70	42.70	43.70
X (m)													
125.57	0.0<	0.0<	0.0<	10.3	10.7	10.5	10.0	9.5	9.5	10.6	14.2	19.6	23.2
126.57	0.0<	0.0<	0.0<	10.1	10.4	10.2	9.8	9.4	9.5	11.3	15.0	19.5	22.0
127.57	0.0<	0.0<	0.0<	11.5	11.7	11.2	10.4	9.9	9.9	12.3	15.7	19.1	20.5
128.57	0.0<	0.0<	0.0<	14.9	14.7	13.5	12.0	10.9	11.0	13.1	16.2	18.7	19.3
129.57	0.0<	0.0<	0.0<	20.0	19.3	17.0	14.2	12.3	12.2	14.0	16.7	18.4	18.4
130.57	0.0<	0.0<	0.0<	26.1	24.6	20.8	16.6	13.7	13.3	14.6	17.1	18.4	18.0
131.57	0.0<	0.0<	0.0<	31.1	28.8	23.8	18.4	14.7	13.9	14.9	17.2	18.5	17.9
132.57	0.0<	0.0<	0.0<	32.3	29.8	24.5	18.8	14.9	13.8	14.8	17.1	18.5	18.3
133.57	0.0<	0.0<	0.0<	29.0	26.9	22.4	17.6	14.0	12.8	14.1	16.8	18.8	19.0
134.57	0.0<	0.0<	0.0<	22.8	21.6	18.5	15.0	12.4	11.4	13.1	16.2	19.2	20.1
135.57	0.0<	0.0<	0.0<	16.4	15.9	14.2	12.1	10.5	9.8	11.6	15.3	19.5	21.4
136.57	0.0<	0.0<	0.0<	11.3	11.2	10.4	9.4	8.6	8.3	10.0	14.0	19.5	22.4
137.57	0.0<	0.0<	0.0<	7.6	7.7	7.5	7.2	6.9	7.1	8.6	12.9	19.2	23.0
138.57	0.0<	0.0<	0.0<	5.1	5.3	5.4	5.5	5.5	6.0	7.4	12.0	19.0	23.4
139.57	0.1	0.1	0.1	3.4	3.7	3.9	4.2	4.5	5.1	6.5	11.3	18.9	23.6
140.57	0.1	0.1	0.2	2.3	2.6	2.9	3.2	3.6	4.3	5.8	10.6	18.1	22.9
141.57	0.1	0.1	0.2	1.6	1.9	2.2	2.5	3.0	3.7	5.3	9.9	17.0	21.5
142.57	0.1	0.1	0.2	1.2	1.4	1.7	2.0	2.5	3.2	5.1	9.5	15.9	20.0
143.57	0.1	0.1	0.2	0.9	1.1	1.3	1.6	2.0	2.8	5.0	9.3	14.9	18.2
144.57	0.1	0.1	0.2	0.7	0.8	1.0	1.3	1.7	2.5	5.1	9.2	13.6	16.0
145.57	0.1	0.1	0.1	0.5	0.7	0.8	1.0	1.4	2.3	5.1	8.7	12.0	13.6
146.57	0.1	0.1	0.1	0.4	0.5	0.7	0.8	1.2	2.4	4.8	7.9	10.4	11.4
147.57	0.1	0.1	0.1	0.3	0.4	0.5	0.7	1.0	2.5	4.5	7.1	9.0	9.5
148.57	0.1	0.1	0.1	0.3	0.3	0.4	0.5	1.0	2.3	4.1	6.2	7.6	7.9
149.57						0.3	0.4	1.0	2.1	3.7	5.4	6.4	6.5
150.57										3.2	4.6	5.2	5.3
151.57													
152.57													

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

&lt; Continue

Continue &gt;

Grid : site at Z = -0.00 m  
 Calculation : Surface Illuminance (lux)

Y (m) 44.70 45.70 46.70 47.70 48.70

X (m)

12.57

13.57

14.57

15.57

16.57

17.57

18.57

19.57

20.57

21.57

22.57

23.57

24.57

25.57

26.57

27.57

28.57

29.57

30.57

31.57

32.57

33.57

34.57

35.57

36.57

37.57

38.57

39.57

40.57

41.57

42.57

43.57

44.57

45.57

46.57

47.57

48.57

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	44.70	45.70	46.70	47.70	48.70
X (m)					
	49.57				
	50.57				
	51.57				
	52.57				
	53.57				
	54.57				
55.57	13.6	9.2	6.3	4.4	
56.57	16.5	11.6	8.0	5.6	
57.57	17.9	13.5	9.8	7.0	
58.57	18.3	14.7	11.4	8.6	
59.57	18.3	15.6	12.9	10.3	
60.57	18.5	16.5	14.4	12.1	
61.57	19.1	17.6	16.1	14.2	
62.57	20.2	19.2	18.2	16.9	
63.57	21.7	21.3	20.9	20.1	
64.57	23.0	23.6	24.2	24.2	
65.57	23.9	25.5	27.7	28.9	
66.57	24.2	26.7	30.6	33.4	
67.57	24.4	27.2	32.4	36.6	
68.57	24.4	27.4	32.9	37.9	
69.57	23.8	26.6	31.9	36.4	
70.57	22.9	25.6	29.8	33.0	
71.57	22.1	24.1	26.8	28.4	
72.57	20.9	22.2	23.4	23.8	
73.57	19.4	20.0	20.3	20.0	
74.57	18.1	18.1	17.9	17.1	
75.57	17.2	16.8	16.2	15.1	
76.57	16.7	16.1	15.2	14.0	
77.57	16.6	15.9	14.9	13.5	
78.57	16.9	16.2	15.1	13.8	
79.57	17.6	17.0	16.0	14.9	
80.57	18.6	18.3	17.6	16.7	
81.57	19.9	20.2	19.9	19.4	
82.57	21.4	22.3	22.8	23.0	
83.57	22.6	24.1	26.1	27.4	
84.57	23.6	25.6	29.2	31.9	
85.57	24.5	26.7	31.5	35.4	
86.57	25.0	27.4	32.8	36.9	

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

&lt; Continue

Continue &gt;

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	44.70	45.70	46.70	47.70	48.70
X (m)					
87.57	24.6	27.2	32.5	36.0	
88.57	23.8	26.4	30.8	32.8	
89.57	22.9	24.9	27.6	28.1	
90.57	21.5	22.5	23.7	23.2	
91.57	19.7	19.9	20.1	19.1	
92.57	17.9	17.6	17.3	15.8	
93.57	16.5	15.9	15.1	13.4	
94.57	15.6	14.7	13.6	11.8	
95.57	15.1	14.1	12.9	11.0	
96.57	15.0	13.9	12.7	11.0	
97.57	15.3	14.3	13.2	11.6	
98.57	16.1	15.2	14.4	12.9	
99.57	17.3	16.8	16.3	15.0	
100.57	19.0	19.0	19.0	18.0	
101.57	20.8	21.5	22.5	21.9	
102.57	22.3	24.1	26.5	26.4	
103.57	23.4	26.1	30.3	31.1	
104.57	24.4	27.6	33.1	34.6	
105.57	25.1	28.5	34.6	36.0	
106.57	24.7	28.3	33.8	34.7	
107.57	24.0	27.3	31.5	31.2	
108.57	23.1	25.4	27.7	26.6	
109.57	21.6	22.7	23.7	22.2	
110.57	19.9	20.1	20.2	18.5	
111.57	18.4	18.2	17.8	15.8	
112.57	17.5	17.0	16.2	14.1	
113.57	17.1	16.5	15.5	13.3	
114.57	17.3	16.6	15.6	13.4	
115.57	18.2	17.5	16.5	14.4	
116.57	19.6	19.0	18.3	16.3	
117.57	21.5	21.3	21.1	19.2	
118.57	23.4	24.2	24.9	22.9	
119.57	25.1	27.2	29.2	27.2	
120.57	26.3	29.5	33.2	31.6	
121.57	27.2	30.9	35.9	34.5	
122.57	27.5	31.4	36.8	35.3	
123.57	26.9	30.7	35.3	33.4	
124.57	25.9	29.0	32.0	29.6	

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	44.70	45.70	46.70	47.70	48.70
X (m)					
125.57	24.5	26.3	27.7	25.0	
126.57	22.6	23.1	23.3	20.8	
127.57	20.5	20.2	19.7	17.3	
128.57	18.7	18.1	17.1	14.6	
129.57	17.6	16.7	15.3	12.8	
130.57	17.0	15.9	14.4		
131.57	16.9	15.8	14.3		
132.57	17.3	16.4	14.9		
133.57	18.3	17.7	16.4		
134.57	19.9	19.6	18.8		
135.57	21.8	22.3	22.2		
136.57	23.7	25.6	26.3		
137.57	25.1	28.6	30.8		
138.57	25.8	30.6	34.4		
139.57	26.1	31.4	36.0		
140.57	25.4	30.7	35.2		
141.57	24.0	28.7	32.3		
142.57	22.2	25.6	27.7		
143.57	19.8	21.6	22.6		
144.57	16.9	17.7	18.0		
145.57	14.0	14.3	14.2		
146.57	11.5	11.5	11.1		
147.57	9.4	9.2	8.7		
148.57	7.7	7.3	6.7		
149.57	6.2	5.8	5.2		
150.57	5.0	4.6	4.0		
151.57	4.0	3.6	3.1		
152.57					

Average  
7.78

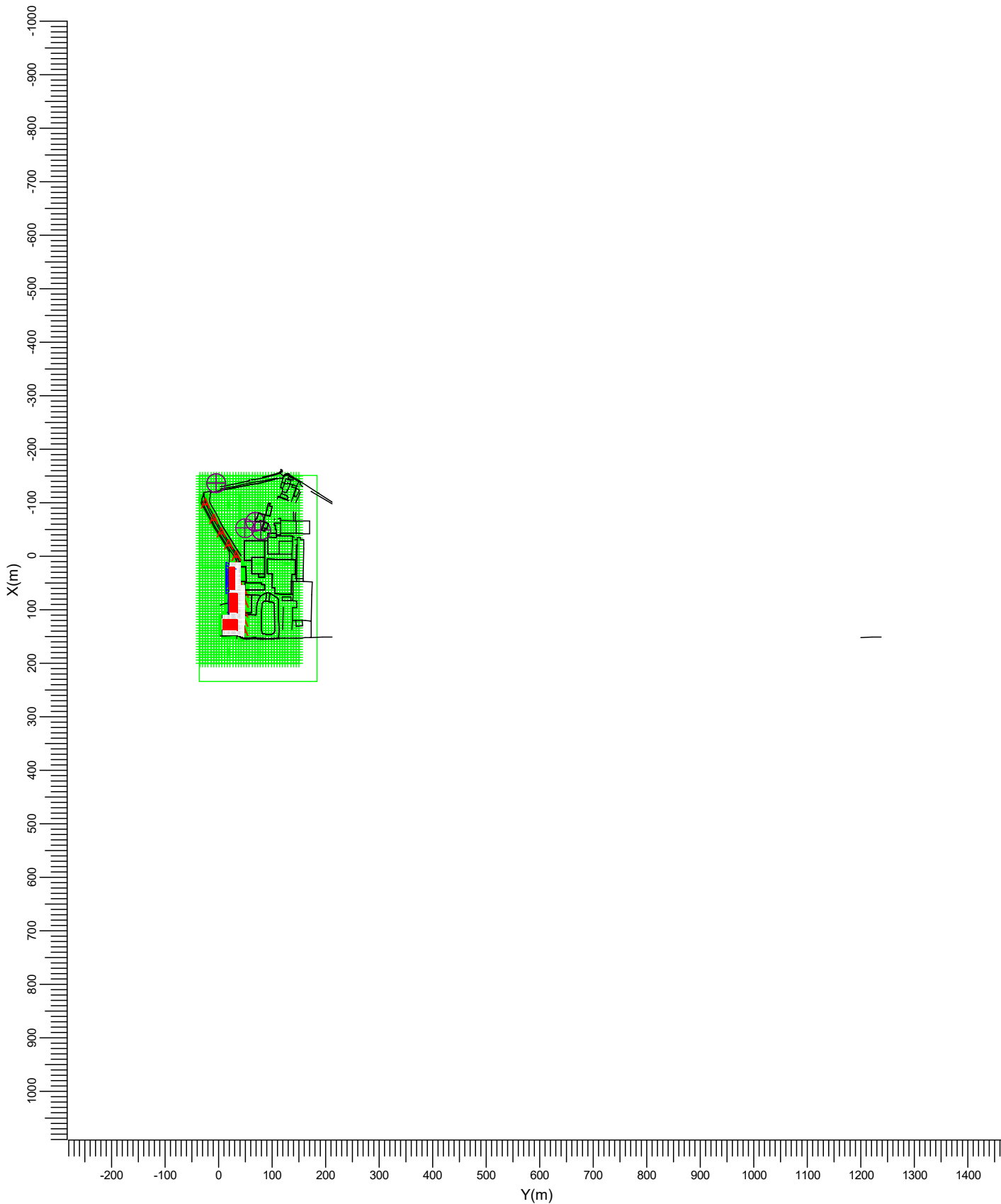
Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

### 3.7 site: Graphical Table

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A	—▶	BRP101 T25 DM LED37/740 NO B	—▶	BVP151 LED24 WW 20W SWB
---	----	------------------------------	----	-------------------------

Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.8 site: Iso Contour

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A       BRP101 T25 DM LED37/740 NO B       BVP151 LED24 WW 20W SWB

Average  
7.78

Min/Ave  
0.00

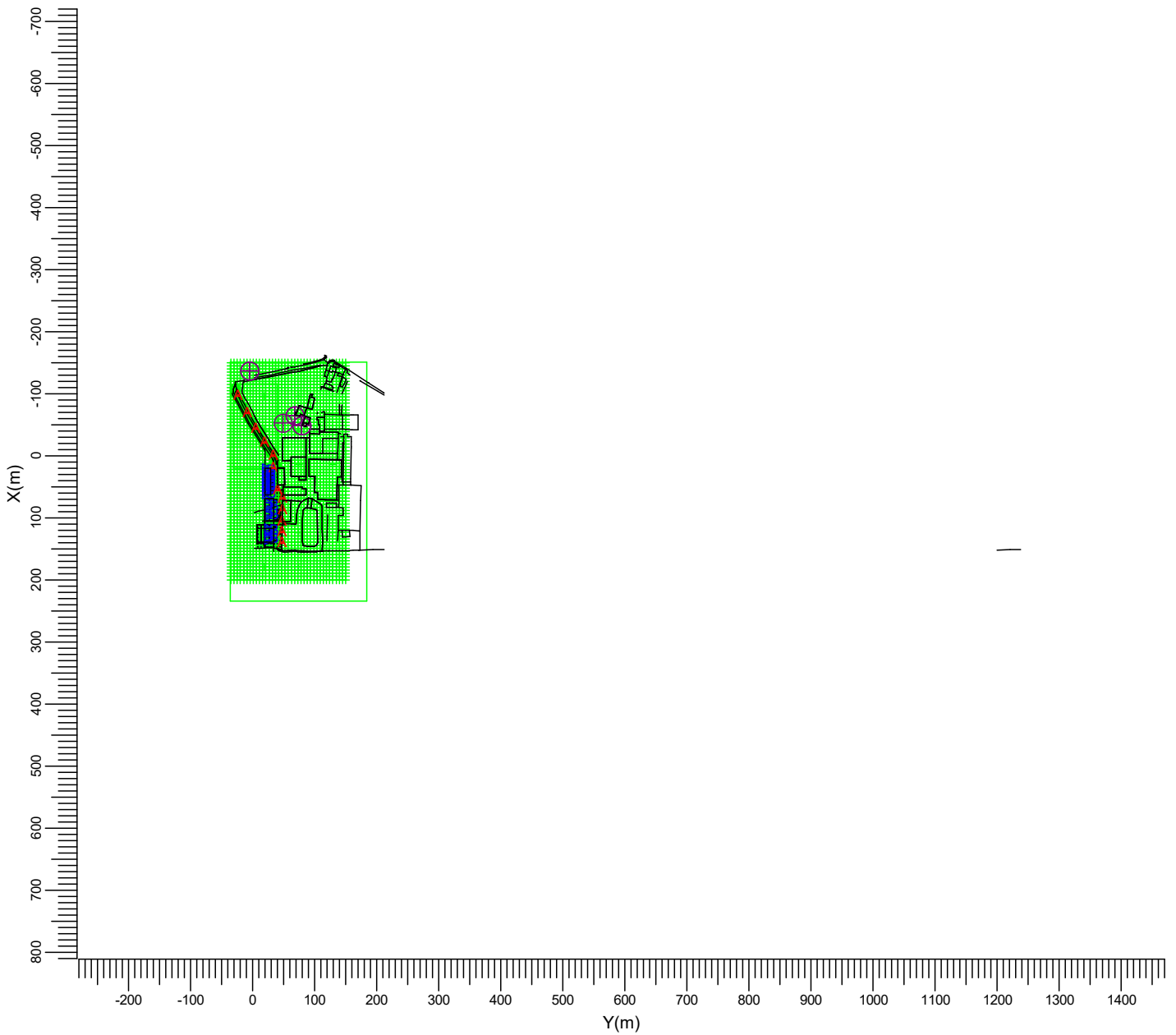
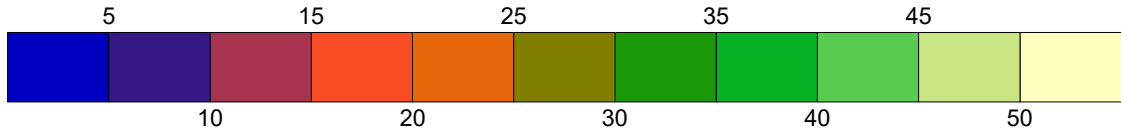
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.9 site: Filled Iso Contour

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A → BRP101 T25 DM LED37/740 NO B → BVP151 LED24 WW 20W SWB

Average  
7.78

Min/Ave  
0.00

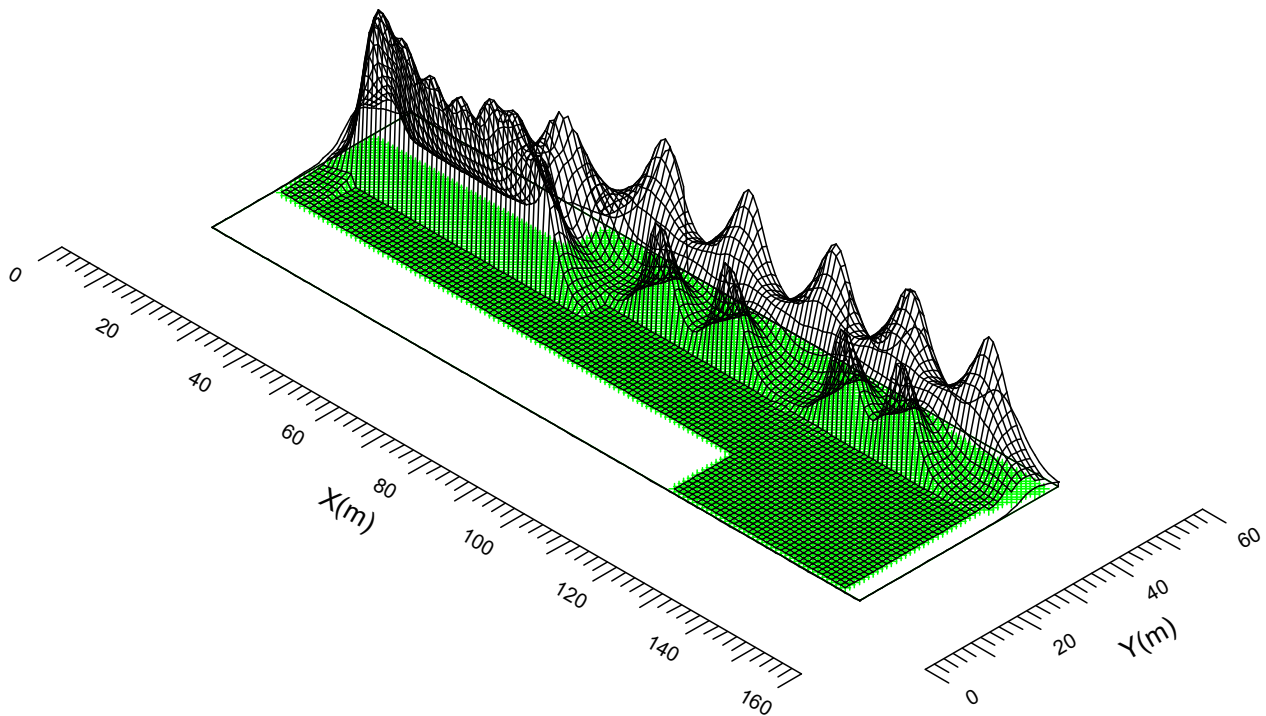
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.10 site: Mountain Plot

Grid : site at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



Average  
7.78

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

3.11 Roadway: Textual Table

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-31.24	-30.24	-29.24	-28.24	-27.24	-26.24	-25.24	-24.24	-23.24	-22.24	-21.24	-20.24	-19.24
X (m)													
-115.08													
-114.08				0<									
-113.08				0									
-112.08				0									
-111.08				0	0								
-110.08			0	0	0								
-109.08		0	0	0	0								
-108.08		0	0	0	0								
-107.08		0	0	0	0	0							
-106.08		1	1	1	1	1							
-105.08		1	1	1	1								
-104.08		2	2	2	2								
-103.08		4	4	4	3								
-102.08		7	7	7	7								
-101.08		9	11	12	12								
-100.08			14	16	19	19							
-99.08			16	19	23	27							
-98.08				20	24	29	33						
-97.08				19	23	27	31						
-96.08					21	23	26	28					
-95.08					19	21	22	23	24				
-94.08						17	20	20	20				
-93.08						10	14	16	18	17			
-92.08							7	10	13	14			
-91.08							4	5	8	10	11		
-90.08								3	4	6	8		
-89.08								2	2	3	5	6	
-88.08									1	2	3	3	
-87.08										1	1	2	3
-86.08										1	1	1	2
-85.08											1	1	1
-84.08											1	1	1
-83.08												1	1
-82.08												1	2
-81.08													2
-80.08													2
-79.08													

Continue >

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-31.24	-30.24	-29.24	-28.24	-27.24	-26.24	-25.24	-24.24	-23.24	-22.24	-21.24	-20.24	-19.24
X (m)													
	-78.08												
	-77.08												
	-76.08												
	-75.08												
	-74.08												
	-73.08												
	-72.08												
	-71.08												
	-70.08												
	-69.08												
	-68.08												
	-67.08												
	-66.08												
	-65.08												
	-64.08												
	-63.08												
	-62.08												
	-61.08												
	-60.08												
	-59.08												
	-58.08												
	-57.08												
	-56.08												
	-55.08												
	-54.08												
	-53.08												
	-52.08												
	-51.08												
	-50.08												
	-49.08												
	-48.08												
	-47.08												
	-46.08												
	-45.08												
	-44.08												
	-43.08												
	-42.08												
	-41.08												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-31.24	-30.24	-29.24	-28.24	-27.24	-26.24	-25.24	-24.24	-23.24	-22.24	-21.24	-20.24	-19.24
X (m)													
-40.08													
-39.08													
-38.08													
-37.08													
-36.08													
-35.08													
-34.08													
-33.08													
-32.08													
-31.08													
-30.08													
-29.08													
-28.08													
-27.08													
-26.08													
-25.08													
-24.08													
-23.08													
-22.08													
-21.08													
-20.08													
-19.08													
-18.08													
-17.08													
-16.08													
-15.08													
-14.08													
-13.08													
-12.08													
-11.08													
-10.08													
-9.08													
-8.08													
-7.08													
-6.08													
-5.08													
-4.08													
-3.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-31.24	-30.24	-29.24	-28.24	-27.24	-26.24	-25.24	-24.24	-23.24	-22.24	-21.24	-20.24	-19.24
X (m)													
	-2.08												
	-1.08												
	-0.08												
	0.92												
	1.92												
	2.92												
	3.92												
	4.92												
	5.92												
	6.92												
	7.92												
	8.92												
	9.92												
	10.92												
	11.92												
	12.92												
	13.92												
	14.92												
	15.92												
	16.92												
	17.92												
	18.92												
	19.92												
	20.92												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-18.24	-17.24	-16.24	-15.24	-14.24	-13.24	-12.24	-11.24	-10.24	-9.24	-8.24	-7.24	-6.24
X (m)													
-115.08													
-114.08													
-113.08													
-112.08													
-111.08													
-110.08													
-109.08													
-108.08													
-107.08													
-106.08													
-105.08													
-104.08													
-103.08													
-102.08													
-101.08													
-100.08													
-99.08													
-98.08													
-97.08													
-96.08													
-95.08													
-94.08													
-93.08													
-92.08													
-91.08													
-90.08													
-89.08													
-88.08													
-87.08													
-86.08													
-85.08	1												
-84.08	1												
-83.08	1	1											
-82.08	2	2											
-81.08	2	2	2										
-80.08	3	3	3										
-79.08	3	3	3	3									

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-18.24	-17.24	-16.24	-15.24	-14.24	-13.24	-12.24	-11.24	-10.24	-9.24	-8.24	-7.24	-6.24
X (m)													
-78.08	4	4	4	5	5								
-77.08		5	5	6	6								
-76.08		6	7	7	8	8							
-75.08			8	9	10	11							
-74.08				10	11	13	14						
-73.08				12	13	15	17						
-72.08					15	17	20	23					
-71.08					15	18	21	25					
-70.08						18	21	25	31				
-69.08						17	21	23	28				
-68.08							20	22	25	29			
-67.08							16	20	22	25			
-66.08								17	20	21	22		
-65.08								14	17	18	18	17	
-64.08									14	16	15	14	
-63.08									11	13	13	12	11
-62.08										11	11	10	9
-61.08										9	9	9	8
-60.08											8	8	7
-59.08											6	7	6
-58.08												6	6
-57.08												5	5
-56.08													4
-55.08													4
-54.08													
-53.08													
-52.08													
-51.08													
-50.08													
-49.08													
-48.08													
-47.08													
-46.08													
-45.08													
-44.08													
-43.08													
-42.08													
-41.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-18.24	-17.24	-16.24	-15.24	-14.24	-13.24	-12.24	-11.24	-10.24	-9.24	-8.24	-7.24	-6.24
X (m)													
	-40.08												
	-39.08												
	-38.08												
	-37.08												
	-36.08												
	-35.08												
	-34.08												
	-33.08												
	-32.08												
	-31.08												
	-30.08												
	-29.08												
	-28.08												
	-27.08												
	-26.08												
	-25.08												
	-24.08												
	-23.08												
	-22.08												
	-21.08												
	-20.08												
	-19.08												
	-18.08												
	-17.08												
	-16.08												
	-15.08												
	-14.08												
	-13.08												
	-12.08												
	-11.08												
	-10.08												
	-9.08												
	-8.08												
	-7.08												
	-6.08												
	-5.08												
	-4.08												
	-3.08												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-18.24	-17.24	-16.24	-15.24	-14.24	-13.24	-12.24	-11.24	-10.24	-9.24	-8.24	-7.24	-6.24
X (m)													
	-2.08												
	-1.08												
	-0.08												
	0.92												
	1.92												
	2.92												
	3.92												
	4.92												
	5.92												
	6.92												
	7.92												
	8.92												
	9.92												
	10.92												
	11.92												
	12.92												
	13.92												
	14.92												
	15.92												
	16.92												
	17.92												
	18.92												
	19.92												
	20.92												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-5.24	-4.24	-3.24	-2.24	-1.24	-0.24	0.76	1.76	2.76	3.76	4.76	5.76	6.76
X (m)													
-115.08													
-114.08													
-113.08													
-112.08													
-111.08													
-110.08													
-109.08													
-108.08													
-107.08													
-106.08													
-105.08													
-104.08													
-103.08													
-102.08													
-101.08													
-100.08													
-99.08													
-98.08													
-97.08													
-96.08													
-95.08													
-94.08													
-93.08													
-92.08													
-91.08													
-90.08													
-89.08													
-88.08													
-87.08													
-86.08													
-85.08													
-84.08													
-83.08													
-82.08													
-81.08													
-80.08													
-79.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-5.24	-4.24	-3.24	-2.24	-1.24	-0.24	0.76	1.76	2.76	3.76	4.76	5.76	6.76	
X (m)														
	-78.08													
	-77.08													
	-76.08													
	-75.08													
	-74.08													
	-73.08													
	-72.08													
	-71.08													
	-70.08													
	-69.08													
	-68.08													
	-67.08													
	-66.08													
	-65.08													
	-64.08													
	-63.08													
	-62.08													
	-61.08	7												
	-60.08	6												
	-59.08	6	5											
	-58.08	5	5											
	-57.08	5	5	5										
	-56.08	5	5	5										
	-55.08	4	5	5	5									
	-54.08	4	5	6	6	6								
	-53.08		5	6	6	7								
	-52.08		5	6	7	8	8							
	-51.08			6	8	9	9							
	-50.08			6	8	10	11	12						
	-49.08				8	11	13	14						
	-48.08					11	14	16	18					
	-47.08					10	15	18	20					
	-46.08						14	18	21	25				
	-45.08							12	18	21	25	31		
	-44.08								17	21	24	29		
	-43.08									20	23	26	31	
	-42.08									18	21	23	26	27
	-41.08										19	20	22	22

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-5.24	-4.24	-3.24	-2.24	-1.24	-0.24	0.76	1.76	2.76	3.76	4.76	5.76	6.76
X (m)													
-40.08									17	18	18	18	16
-39.08										15	15	14	13
-38.08											12	12	11
-37.08											11	10	9
-36.08												8	8
-35.08													7
-34.08													6
-33.08													
-32.08													
-31.08													
-30.08													
-29.08													
-28.08													
-27.08													
-26.08													
-25.08													
-24.08													
-23.08													
-22.08													
-21.08													
-20.08													
-19.08													
-18.08													
-17.08													
-16.08													
-15.08													
-14.08													
-13.08													
-12.08													
-11.08													
-10.08													
-9.08													
-8.08													
-7.08													
-6.08													
-5.08													
-4.08													
-3.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	-5.24	-4.24	-3.24	-2.24	-1.24	-0.24	0.76	1.76	2.76	3.76	4.76	5.76	6.76
X (m)													
	-2.08												
	-1.08												
	-0.08												
	0.92												
	1.92												
	2.92												
	3.92												
	4.92												
	5.92												
	6.92												
	7.92												
	8.92												
	9.92												
	10.92												
	11.92												
	12.92												
	13.92												
	14.92												
	15.92												
	16.92												
	17.92												
	18.92												
	19.92												
	20.92												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	7.76	8.76	9.76	10.76	11.76	12.76	13.76	14.76	15.76	16.76	17.76	18.76	19.76
X (m)													
-115.08													
-114.08													
-113.08													
-112.08													
-111.08													
-110.08													
-109.08													
-108.08													
-107.08													
-106.08													
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-104.08													
-103.08													
-102.08													
-101.08													
-100.08													
-99.08													
-98.08													
-97.08													
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-93.08													
-92.08													
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-86.08													
-85.08													
-84.08													
-83.08													
-82.08													
-81.08													
-80.08													
-79.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	7.76	8.76	9.76	10.76	11.76	12.76	13.76	14.76	15.76	16.76	17.76	18.76	19.76
X (m)													
	-78.08												
	-77.08												
	-76.08												
	-75.08												
	-74.08												
	-73.08												
	-72.08												
	-71.08												
	-70.08												
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	-68.08												
	-67.08												
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	-48.08												
	-47.08												
	-46.08												
	-45.08												
	-44.08												
	-43.08												
	-42.08												
	-41.08												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	7.76	8.76	9.76	10.76	11.76	12.76	13.76	14.76	15.76	16.76	17.76	18.76	19.76
X (m)													
-40.08													
-39.08													
-38.08	9												
-37.08	8	6											
-36.08	6	5											
-35.08	6	5	3										
-34.08	5	4	3	2									
-33.08	5	4	3	3									
-32.08	5	4	4	3	3								
-31.08		5	4	4	3	3							
-30.08			5	4	4	4							
-29.08			5	5	5	5	6						
-28.08				6	6	7	7						
-27.08					8	8	9	10					
-26.08					9	10	11	12	14				
-25.08						11	12	14	17				
-24.08						12	14	16	19	23			
-23.08							15	17	20	24	29		
-22.08								18	20	24	29		
-21.08								16	20	23	27	32	
-20.08									18	22	24	28	31
-19.08										20	22	24	26
-18.08										16	19	21	22
-17.08											16	18	18
-16.08												16	16
-15.08												13	14
-14.08													11
-13.08													
-12.08													
-11.08													
-10.08													
-9.08													
-8.08													
-7.08													
-6.08													
-5.08													
-4.08													
-3.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	7.76	8.76	9.76	10.76	11.76	12.76	13.76	14.76	15.76	16.76	17.76	18.76	19.76
X (m)													
	-2.08												
	-1.08												
	-0.08												
	0.92												
	1.92												
	2.92												
	3.92												
	4.92												
	5.92												
	6.92												
	7.92												
	8.92												
	9.92												
	10.92												
	11.92												
	12.92												
	13.92												
	14.92												
	15.92												
	16.92												
	17.92												
	18.92												
	19.92												
	20.92												

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	20.76	21.76	22.76	23.76	24.76	25.76	26.76	27.76	28.76	29.76	30.76	31.76	32.76
X (m)													
-115.08													
-114.08													
-113.08													
-112.08													
-111.08													
-110.08													
-109.08													
-108.08													
-107.08													
-106.08													
-105.08													
-104.08													
-103.08													
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-87.08													
-86.08													
-85.08													
-84.08													
-83.08													
-82.08													
-81.08													
-80.08													
-79.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	20.76	21.76	22.76	23.76	24.76	25.76	26.76	27.76	28.76	29.76	30.76	31.76	32.76
X (m)													
-78.08													
-77.08													
-76.08													
-75.08													
-74.08													
-73.08													
-72.08													
-71.08													
-70.08													
-69.08													
-68.08													
-67.08													
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-48.08													
-47.08													
-46.08													
-45.08													
-44.08													
-43.08													
-42.08													
-41.08													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	20.76	21.76	22.76	23.76	24.76	25.76	26.76	27.76	28.76	29.76	30.76	31.76	32.76
X (m)													
-40.08													
-39.08													
-38.08													
-37.08													
-36.08													
-35.08													
-34.08													
-33.08													
-32.08													
-31.08													
-30.08													
-29.08													
-28.08													
-27.08													
-26.08													
-25.08													
-24.08													
-23.08													
-22.08													
-21.08													
-20.08													
-19.08													
-18.08	21												
-17.08	18												
-16.08	15	14											
-15.08	13	12	10										
-14.08	11	10	9										
-13.08	10	9	8	7									
-12.08	9	9	8	7	6								
-11.08		8	8	7	6								
-10.08			7	7	6	6							
-9.08			7	7	7	7	6						
-8.08				8	8	8	8						
-7.08				8	8	9	9	9					
-6.08					9	10	10	11					
-5.08						11	12	13	15				
-4.08							12	13	15	17	20		
-3.08								14	17	19	23		

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	20.76	21.76	22.76	23.76	24.76	25.76	26.76	27.76	28.76	29.76	30.76	31.76	32.76
X (m)													
-2.08								17	20	24	29		
-1.08								17	20	23	28	33	
-0.08									19	22	25	30	
0.92										21	23	26	29
1.92										18	21	22	24
2.92											18	20	20
3.92												17	18
4.92												14	15
5.92													13
6.92													10
7.92													
8.92													
9.92													
10.92													
11.92													
12.92													
13.92													
14.92													
15.92													
16.92													
17.92													
18.92													
19.92													
20.92													

Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	33.76	34.76	35.76	36.76	37.76	38.76	39.76
X (m)							
-115.08							
-114.08							
-113.08							
-112.08							
-111.08							
-110.08							
-109.08							
-108.08							
-107.08							
-106.08							
-105.08							
-104.08							
-103.08							
-102.08							
-101.08							
-100.08							
-99.08							
-98.08							
-97.08							
-96.08							
-95.08							
-94.08							
-93.08							
-92.08							
-91.08							
-90.08							
-89.08							
-88.08							
-87.08							
-86.08							
-85.08							
-84.08							
-83.08							
-82.08							
-81.08							
-80.08							
-79.08							

Average	Min/Ave	Min/Max	Project maintenance factor
12.0	0.00	0.00	1.00

< Continue

Continue >

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	33.76	34.76	35.76	36.76	37.76	38.76	39.76
X (m)							
-78.08							
-77.08							
-76.08							
-75.08							
-74.08							
-73.08							
-72.08							
-71.08							
-70.08							
-69.08							
-68.08							
-67.08							
-66.08							
-65.08							
-64.08							
-63.08							
-62.08							
-61.08							
-60.08							
-59.08							
-58.08							
-57.08							
-56.08							
-55.08							
-54.08							
-53.08							
-52.08							
-51.08							
-50.08							
-49.08							
-48.08							
-47.08							
-46.08							
-45.08							
-44.08							
-43.08							
-42.08							
-41.08							

Average	Min/Ave	Min/Max	Project maintenance factor
12.0	0.00	0.00	1.00

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Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	33.76	34.76	35.76	36.76	37.76	38.76	39.76
X (m)							
-40.08							
-39.08							
-38.08							
-37.08							
-36.08							
-35.08							
-34.08							
-33.08							
-32.08							
-31.08							
-30.08							
-29.08							
-28.08							
-27.08							
-26.08							
-25.08							
-24.08							
-23.08							
-22.08							
-21.08							
-20.08							
-19.08							
-18.08							
-17.08							
-16.08							
-15.08							
-14.08							
-13.08							
-12.08							
-11.08							
-10.08							
-9.08							
-8.08							
-7.08							
-6.08							
-5.08							
-4.08							
-3.08							

Average	Min/Ave	Min/Max	Project maintenance factor
12.0	0.00	0.00	1.00

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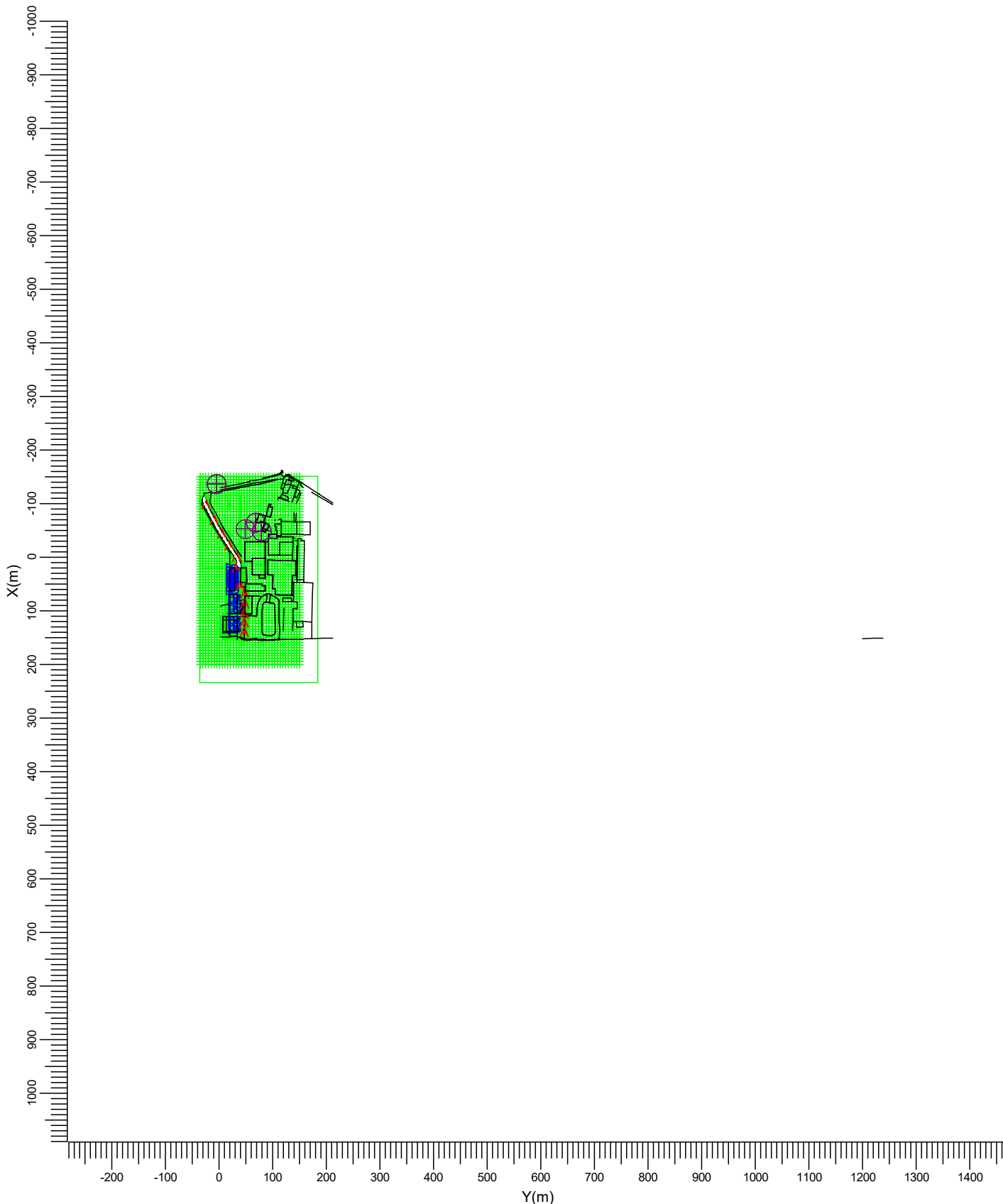
Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

Y (m)	33.76	34.76	35.76	36.76	37.76	38.76	39.76
X (m)							
-2.08							
-1.08							
-0.08							
0.92							
1.92	25						
2.92	20						
3.92	17	16					
4.92	14	13					
5.92	12	11	10				
6.92	10	10	9				
7.92	9	8	8	7			
8.92	8	8	7	7			
9.92	6	7	7	7			
10.92	5	7	7	8	8		
11.92	5	7	8	9	9		
12.92	6	8	10	11	11		
13.92	8	11	13	14	13	12	
14.92	12	15	17	16	15	13	
15.92	17	21	21	19	17	15	
16.92		28	26	22	19	17	
17.92		34	29	24	21	18	
18.92		37>	30	25	22	18	
19.92		37	30	26	21	15	
20.92							

Average  
12.0Min/Ave  
0.00Min/Max  
0.00Project maintenance factor  
1.00

### 3.12 Roadway: Graphical Table

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

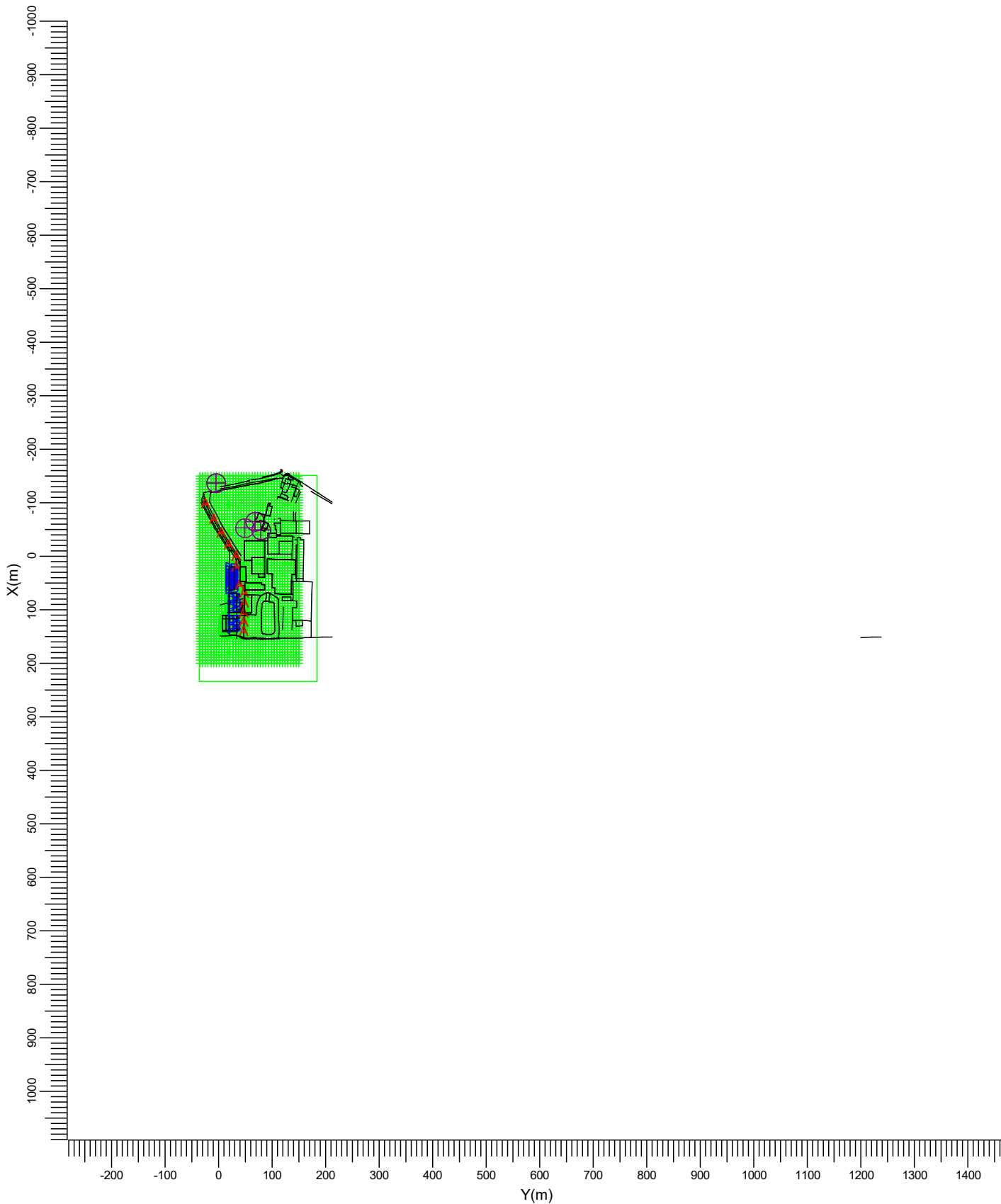


A	—▶	BRP101 T25 DM LED37/740 NO B	—▶	BVP151 LED24 WW 20W SWB
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Average 12.0	Min/Ave 0.00	Min/Max 0.00	Project maintenance factor 1.00	Scale 1:10000
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### 3.13 Roadway: Iso Contour

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

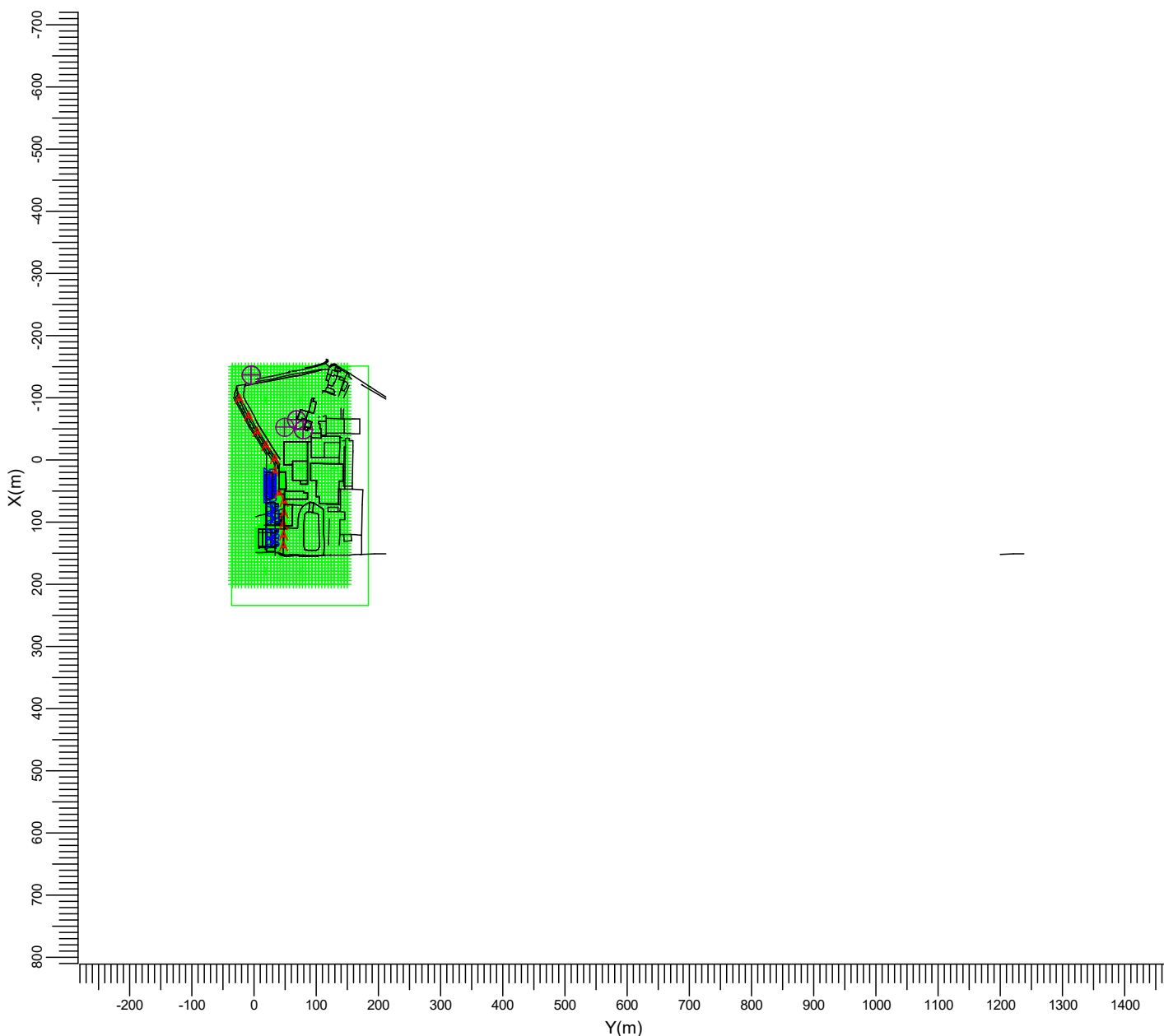
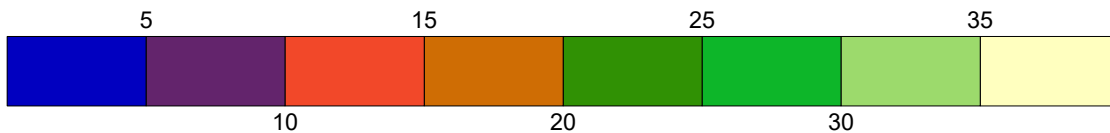


A	—▶	BRP101 T25 DM LED37/740 NO B	—▶	BVP151 LED24 WW 20W SWB
---	----	------------------------------	----	-------------------------

Average 12.0	Min/Ave 0.00	Min/Max 0.00	Project maintenance factor 1.00	Scale 1:10000
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### 3.14 Roadway: Filled Iso Contour

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A → BRP101 T25 DM LED37/740 NO B → BVP151 LED24 WW 20W SWB

Average  
12.0

Min/Ave  
0.00

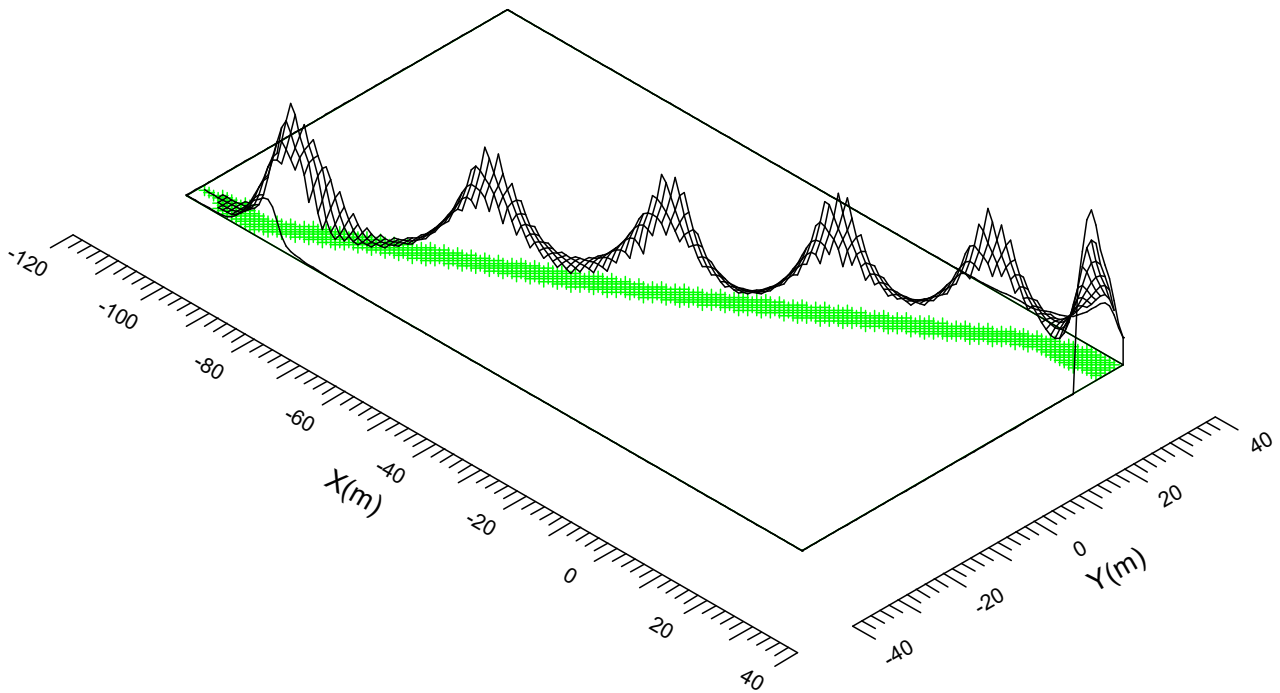
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.15 Roadway: Mountain Plot

Grid : Roadway at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



Average  
12.0

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

## 3.16 Overspill: Textual Table

Grid : Overspill at Z = -0.00 m  
 Calculation : Surface Illuminance (lux)

Y (m)	-36.38	18.62	73.62	128.62	183.62
X (m)					
-150.17					
-95.17		0.00	0.00	0.00	
-40.17		0.13>	0.00	0.00	
14.83		0.11	0.00<	0.00<	
69.83		0.00	0.02	0.00<	
124.83			0.04	0.00	
179.83		0.00	0.00	0.00	
234.83					

Average  
0.02

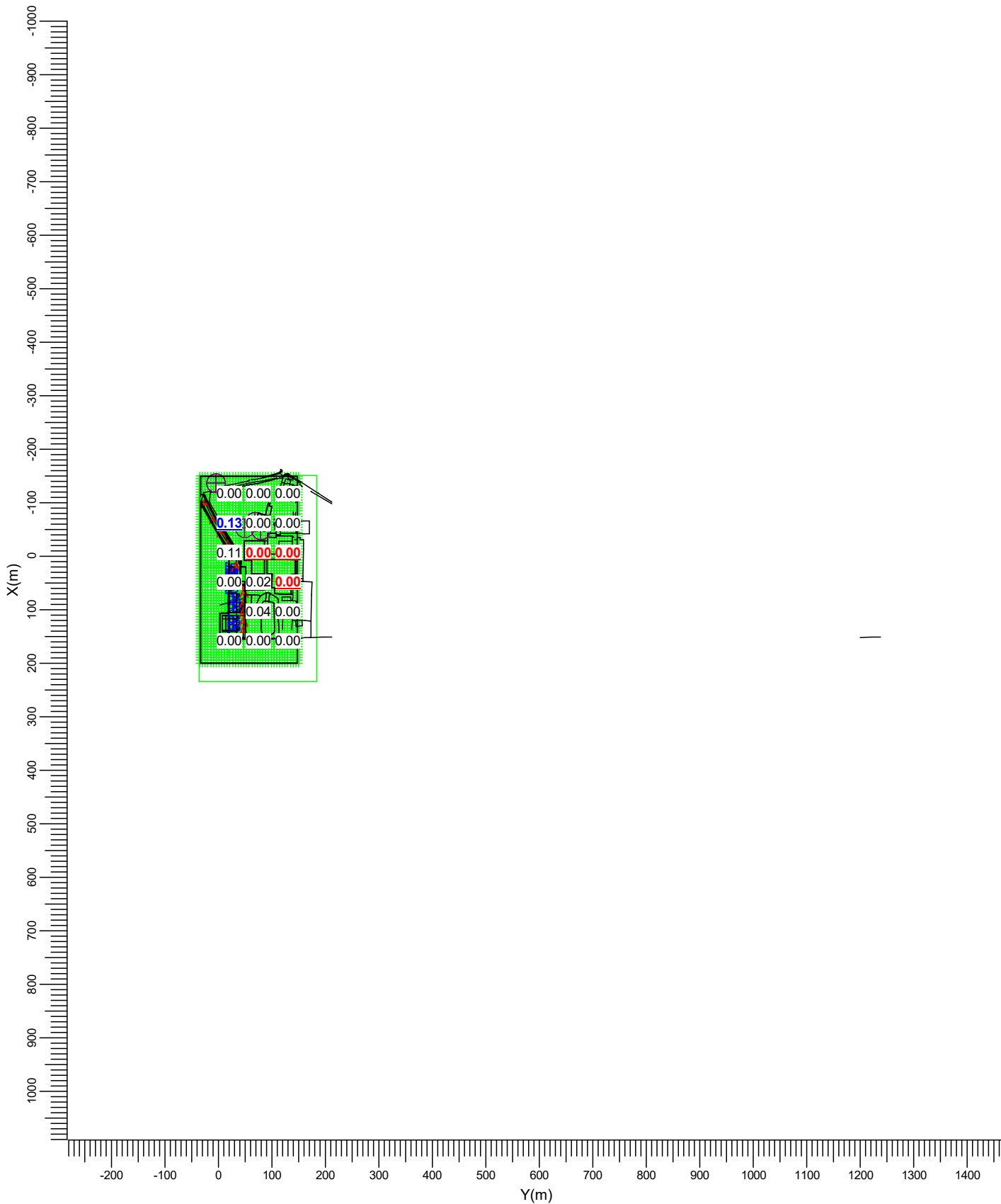
Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

### 3.17 Overspill: Graphical Table

Grid : Overspill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

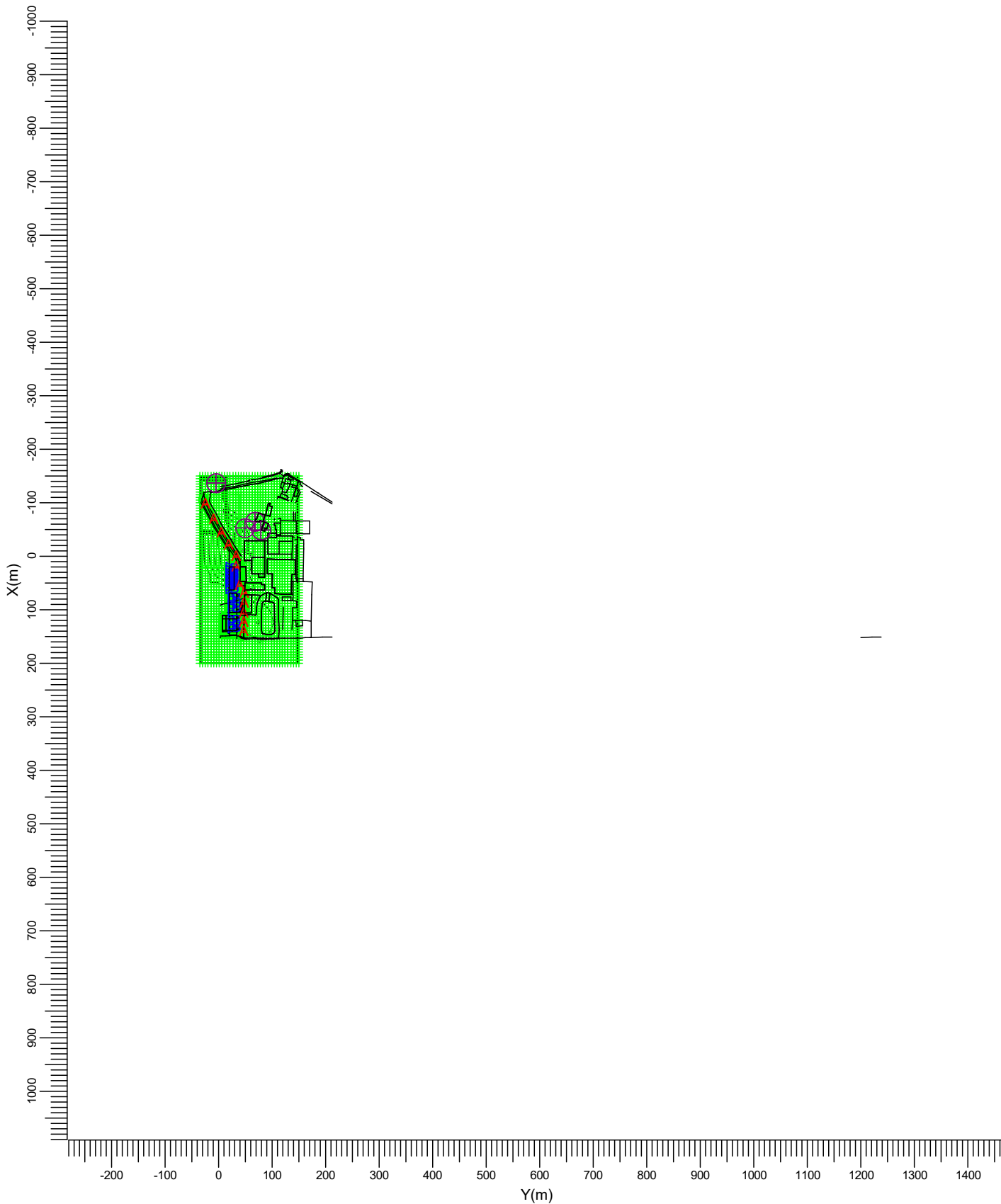


A → BRP101 T25 DM LED37/740 NO B → BVP151 LED24 WW 20W SWB

Average 0.02	Min/Ave 0.00	Min/Max 0.00	Project maintenance factor 1.00	Scale 1:10000
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### 3.18 Overspill: Iso Contour

Grid : Overspill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



A	—▶	BRP101 T25 DM LED37/740 NO B	—▶	BVP151 LED24 WW 20W SWB
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Average  
0.02

Min/Ave  
0.00

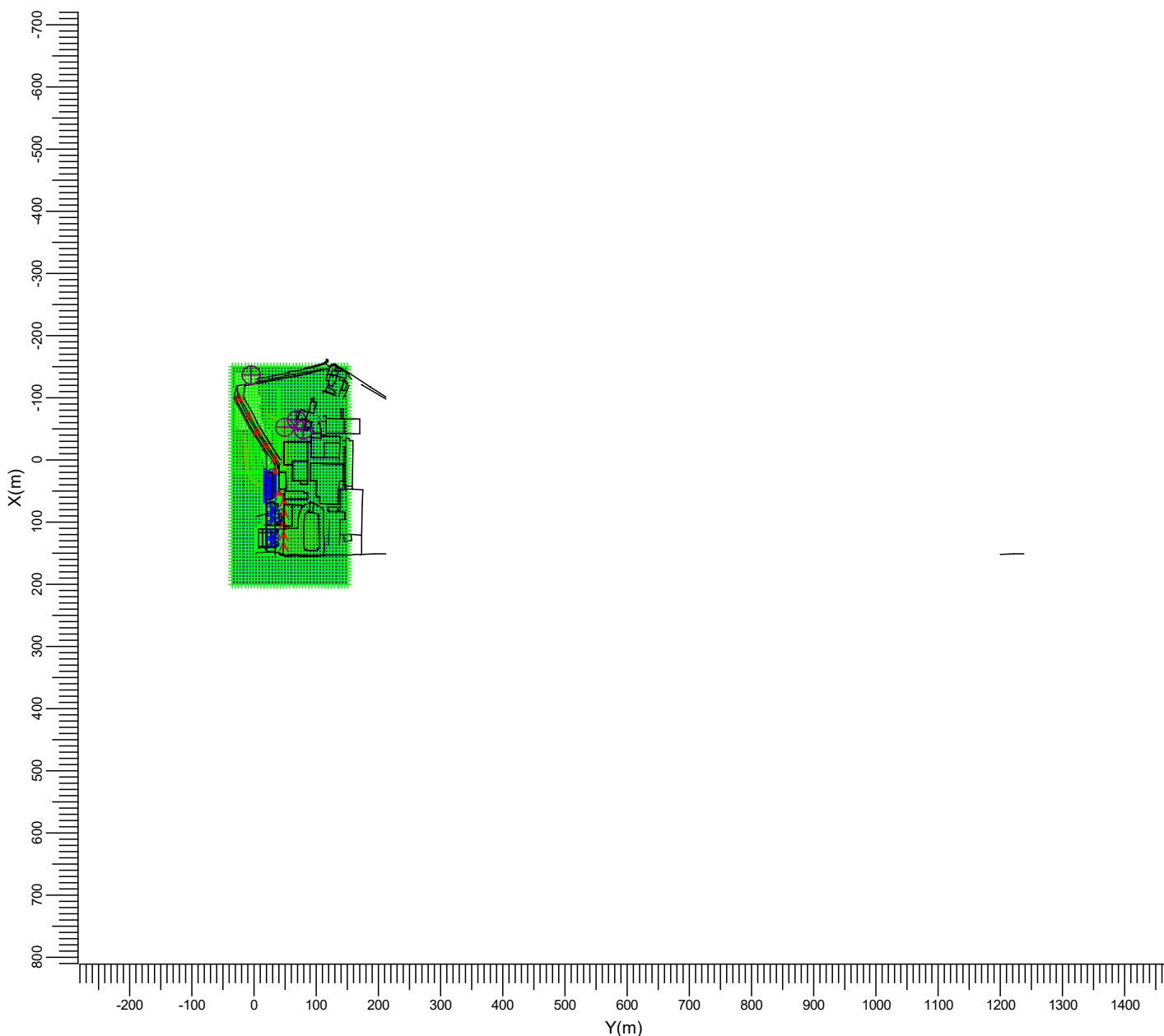
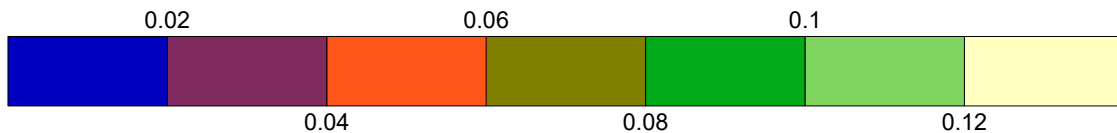
Min/Max  
0.00

Project maintenance factor  
1.00

Scale  
1:10000

### 3.19 Overspill: Filled Iso Contour

Grid : Overspill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)

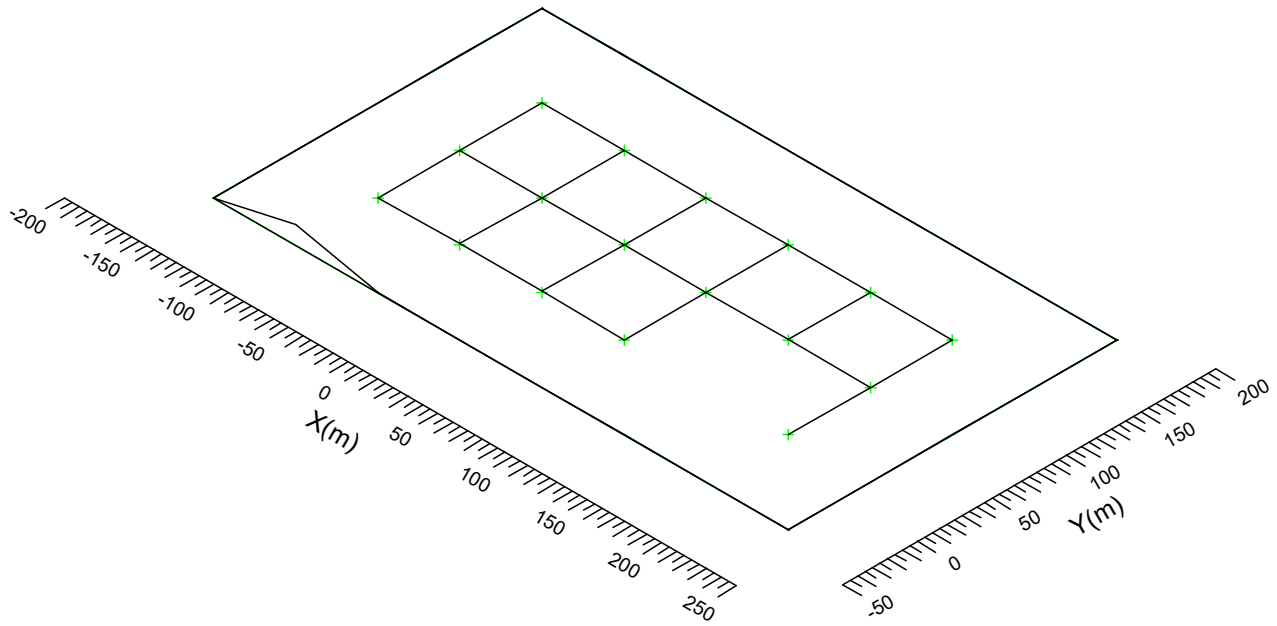


A → BRP101 T25 DM LED37/740 NO B → BVP151 LED24 WW 20W SWB

Average 0.02	Min/Ave 0.00	Min/Max 0.00	Project maintenance factor 1.00	Scale 1:10000
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### 3.20 Overspill: Mountain Plot

Grid : Overspill at Z = -0.00 m  
Calculation : Surface Illuminance (lux)



Average  
0.02

Min/Ave  
0.00

Min/Max  
0.00

Project maintenance factor  
1.00

## 4. Luminaire Details

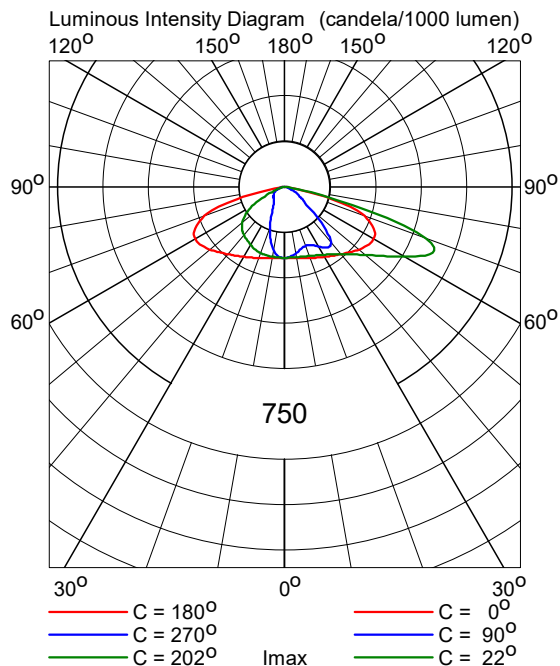
### 4.1 Project Luminaires

BRP101 T25 DM LED37 NO 1xLED37/740 NO

Light output ratios

DLOR	:	0.83
ULOR	:	0.00
TLOR	:	0.83
Ballast	:	NO
Lamp flux	:	3700 lm
Luminaire wattage	:	29.5 W
Measurement code	:	LVM179530C

Note: Luminaire data not from database.

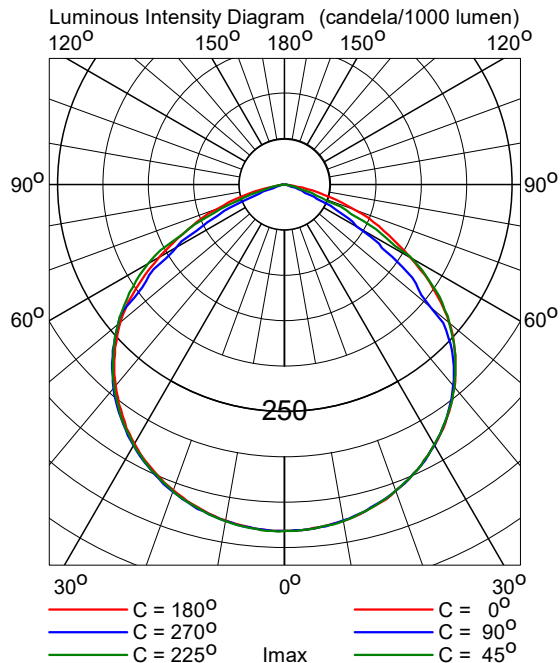


BVP151 LED24 WW 20W SWB G2 1xLED

Light output ratios

DLOR	:	1.00
ULOR	:	0.00
TLOR	:	1.00
Lamp flux	:	2200 lm
Luminaire wattage	:	20.0 W
Measurement code	:	LVC2160365

Note: Luminaire data not from database.



## 5. Installation Data

### 5.1 Legends

#### Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
A	12	BRP101 T25 DM LED37/740 NO	1 * LED37/740	1 * 3700
B	11	BVP151 LED24 WW 20W SWB G2	1 * LED	1 * 2200

### 5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles			ULR
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0	
1 * A	-97.57	-24.19	5.00	-27.6	0.0	0.0	0.00
1 * A	-69.63	-8.93	5.00	-58.5	0.0	0.0	0.00
1 * A	-44.66	4.86	5.00	-70.1	0.0	0.0	0.00
1 * A	-21.63	19.37	5.00	-54.1	0.0	0.0	0.00
1 * A	-0.90	32.57	5.00	-54.7	0.0	0.0	0.00
1 * A	19.70	33.38	5.00	57.7	0.0	0.0	0.00
1 * B	23.80	29.57	5.00	90.0	22.7	0.0	0.00
1 * B	29.30	29.57	5.00	90.0	22.7	0.0	0.00
1 * B	35.40	29.57	5.00	90.0	22.7	0.0	0.00
1 * B	41.50	29.57	5.00	90.0	22.7	0.0	0.00
1 * B	47.75	29.57	5.00	90.0	22.7	0.0	0.00
1 * B	53.60	29.57	5.00	90.0	22.7	0.0	0.00
1 * A	54.00	40.00	5.00	-45.7	0.0	0.0	0.00
1 * B	59.50	29.57	5.00	90.0	22.7	0.0	0.00
1 * A	68.59	47.91	5.00	-89.8	0.0	0.0	0.00
1 * B	79.98	34.16	5.00	90.0	22.7	0.0	0.00
1 * A	86.70	47.80	5.00	-94.9	0.0	0.0	0.00
1 * B	94.98	34.12	5.00	90.0	22.7	0.0	0.00
1 * A	105.60	47.42	5.00	-92.9	0.0	0.0	0.00
1 * B	120.05	34.13	5.00	90.0	22.7	0.0	0.00
1 * A	122.40	47.15	5.00	-91.5	0.0	0.0	0.00
1 * B	132.36	34.13	5.00	90.0	22.7	0.0	0.00
1 * A	139.89	46.87	5.00	-89.6	0.0	0.0	0.00

## 6. Financial Information

### 6.1 Installation Data

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Burning hours/year	0 hr
Amortization period	1.0 yr
Interest rate	0.0 %
kWh price	0.00 €

### 6.2 Luminaire Information

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Project Luminaires	Qty	Prices (€)				Relamping period (yr)
		Lamp	Luminaire	Installation	Maintenance	
BRP101 T25 DM LED37/740 NO	12	0.00	0.00	0.00	0.00	1.00
BVP151 LED24 WW 20W SWB G2	11	0.00	0.00	0.00	0.00	1.00

### 6.3 Total cost

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Costs per year		
Energy	€	0.00
Investment		0.00
Lamps		0.00
Maintenance		0.00
		-----
Total	€	0.00
Total investment	€	0.00