

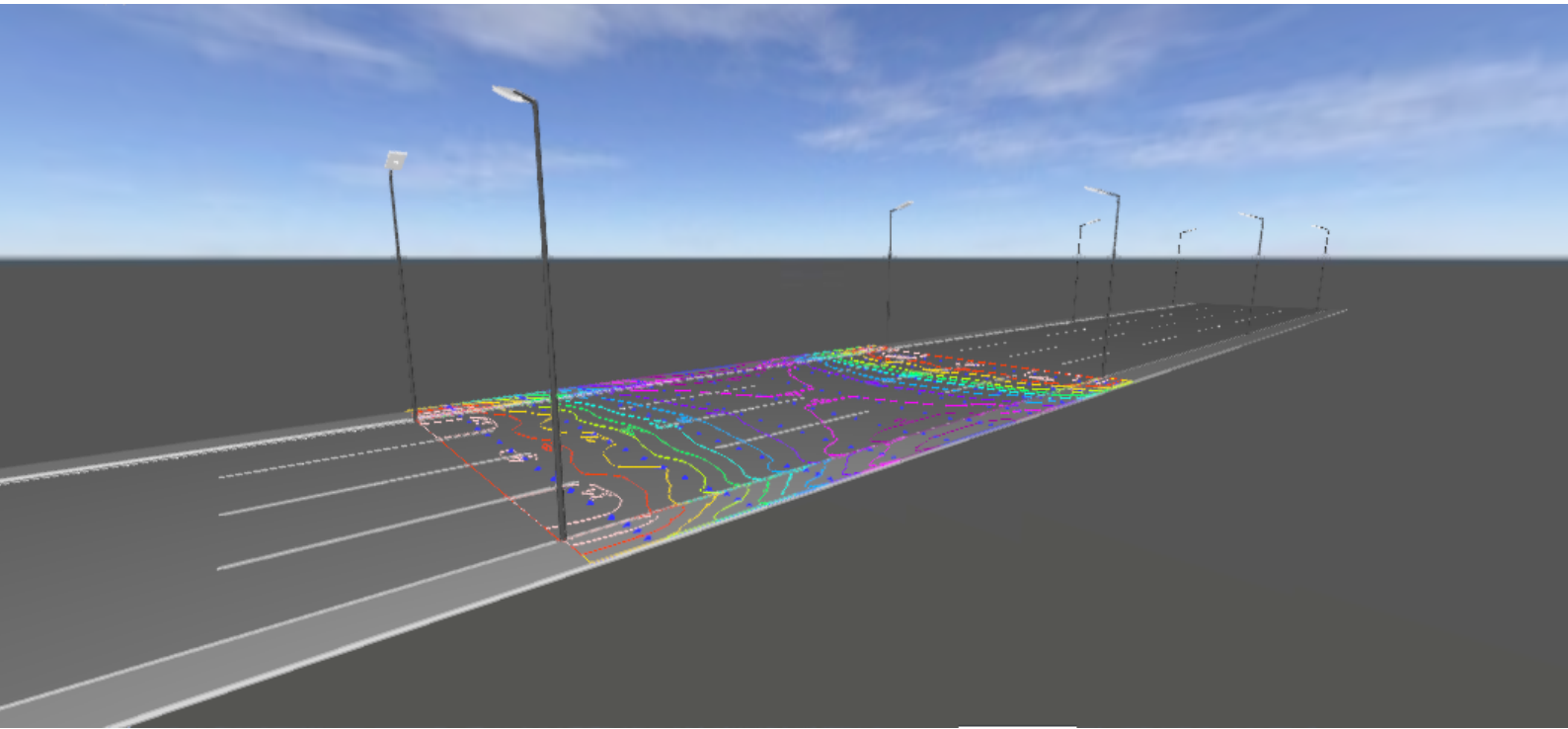
Operator:
Dave

Bosunlighting appliance CO.,Ltd
+86 18676024888
sale@bosunlighting.com

Date:
2020-05-14



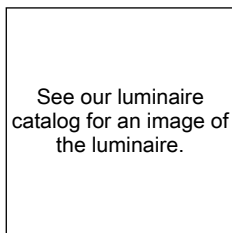
BS-AIO-180402A-8Module-50W for 15M street(two sidewalk) with 8M pole



Content

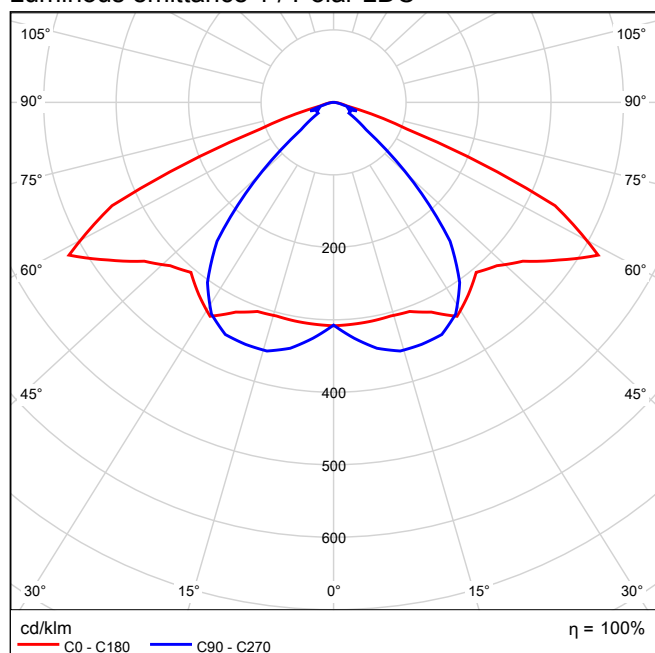
BS-AIO-180402A-8Module-50W for 15M street(two sidewalk) with 8M pole	
BS-AIO-180402A-8Module-50W for 15M street(two sidewalk) with 8M pole	
九高 - (1x49).....	3
街道 1: 备选项 1	
Planning results.....	6
街道 1: 备选项 1 / sidewalk (P2)	
Results summary.....	8
Table.....	9
Isolines.....	10
Value chart.....	11
街道 1: 备选项 1 / street (P1)	
Results summary.....	12
Table.....	13
Isolines.....	14
Value chart.....	15
街道 1: 备选项 1 / sidewalk (P2)	
Results summary.....	16
Table.....	17
Isolines.....	18
Value chart.....	19

九高 1x49

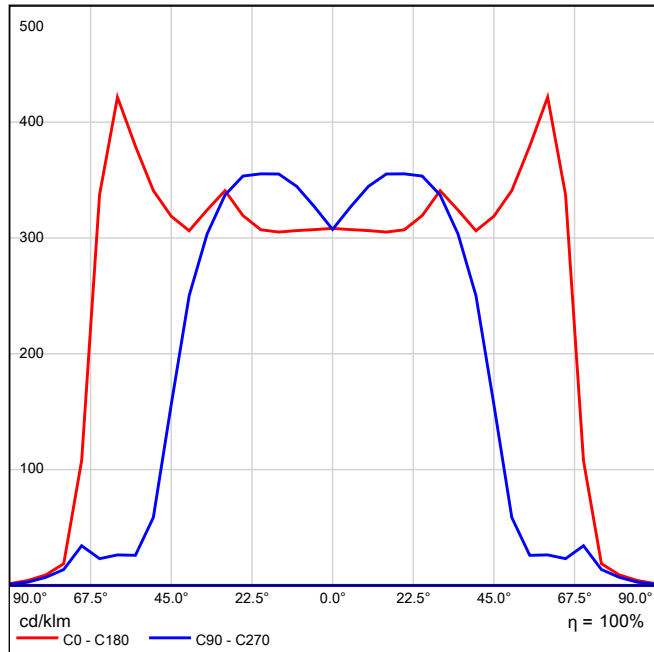


Light output ratio: 100%
Lamp luminous flux: 8820 lm
Luminaire luminous flux: 8820 lm
Power: 49.4 W
Luminous efficacy: 178.5 lm/W

Luminous emittance 1 / Polar LDC

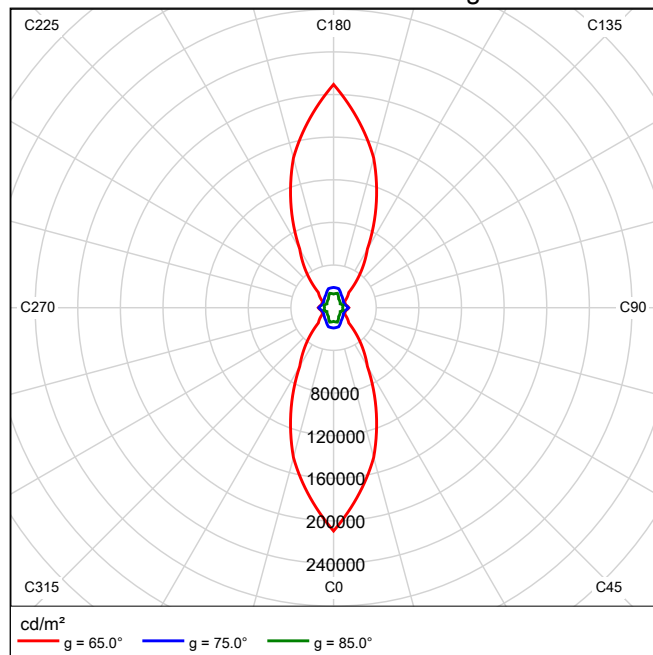


Luminous emittance 1 / Linear LDC



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

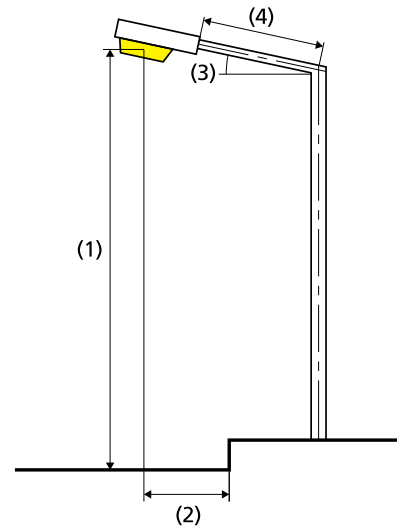
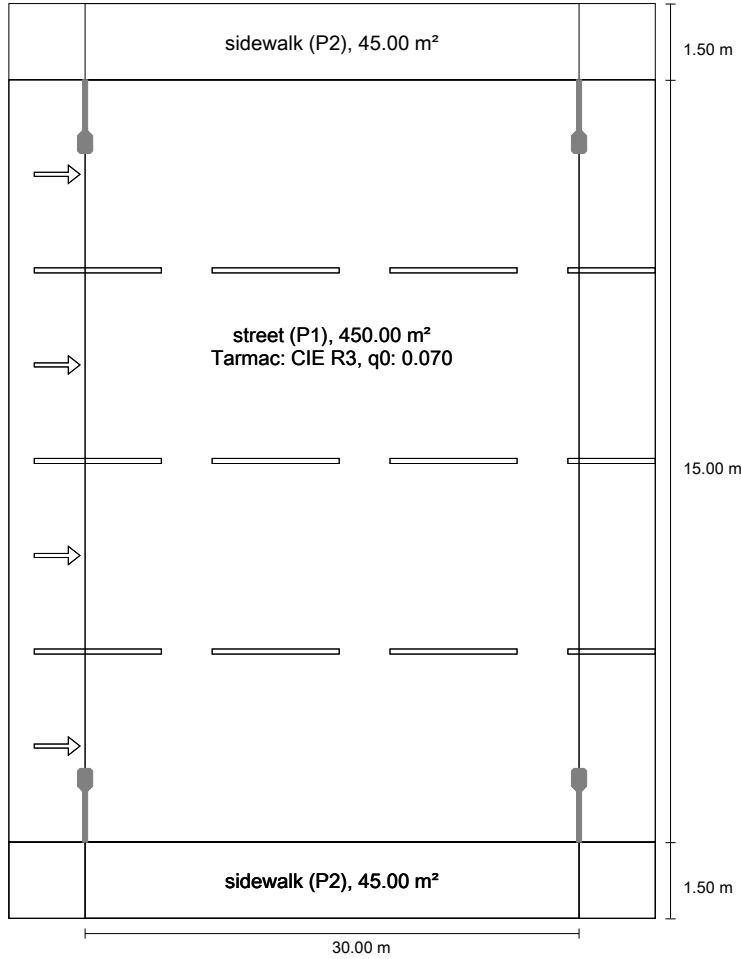
Luminous emittance 1 / Luminance diagram



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

街道 1 according to EN 13201:2015

九高



Lamp:	1x49
Luminous flux (luminaire):	8819.64 lm
Luminous flux (lamp):	8819.60 lm
Operating Hours	
4000 h:	100.0 %, 49.4 W
W/km:	3261.0
Arrangement:	both sides opposite
Pole distance:	30.000 m
Boom inclination (3):	25.0°
Boom length (4):	1.277 m
Light centre height (1):	8.000 m
Light overhang (2):	1.200 m

Results for valuation fields
 Maintenance factor: 0.67

sidewalk (P2)

Em [lx] ≥ 10.00 ≤ 15.00	Emin [lx] ≥ 2.00
✓ 13.54	✓ 4.17

street (P1)

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 19.81	✓ 7.33

sidewalk (P2)

Em [lx] ≥ 10.00 ≤ 15.00	Emin [lx] ≥ 2.00
✓ 13.54	✓ 4.17

Results for energy efficiency indicators

ULR:	0.01
ULOR:	0.01
Maximum luminous intensities	
at 70° and above	310 cd/klm *
at 80° and above	91.0 cd/klm *
at 90° and above	34.2 cd/klm *
Luminous intensity class:	G*1

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.0

Power density indicator (Dp)	0.010 W/lxm ²
Energy consumption density	
Arrangement: BS-AIO-180402A-8Module-50W_IESNA2002.IES (395.3 kWh/yr)	0.7 kWh/m ² yr

sidewalk (P2)

Maintenance factor: 0.67
Grid: 10 x 3 Points

Em [lx] ≥ 10.00 ≤ 15.00	Emin [lx] ≥ 2.00
✓ 13.54	✓ 4.17

sidewalk (P2)

Horizontal illuminance [lx]

17.750	20.1	15.5	9.73	5.88	4.17	4.17	5.88	9.73	15.5	20.1
17.250	25.8	19.0	11.8	7.00	4.86	4.86	7.00	11.8	19.0	25.8
16.750	29.8	22.1	13.6	8.14	5.70	5.70	8.14	13.6	22.1	29.8
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Grid: 10 x 3 Points

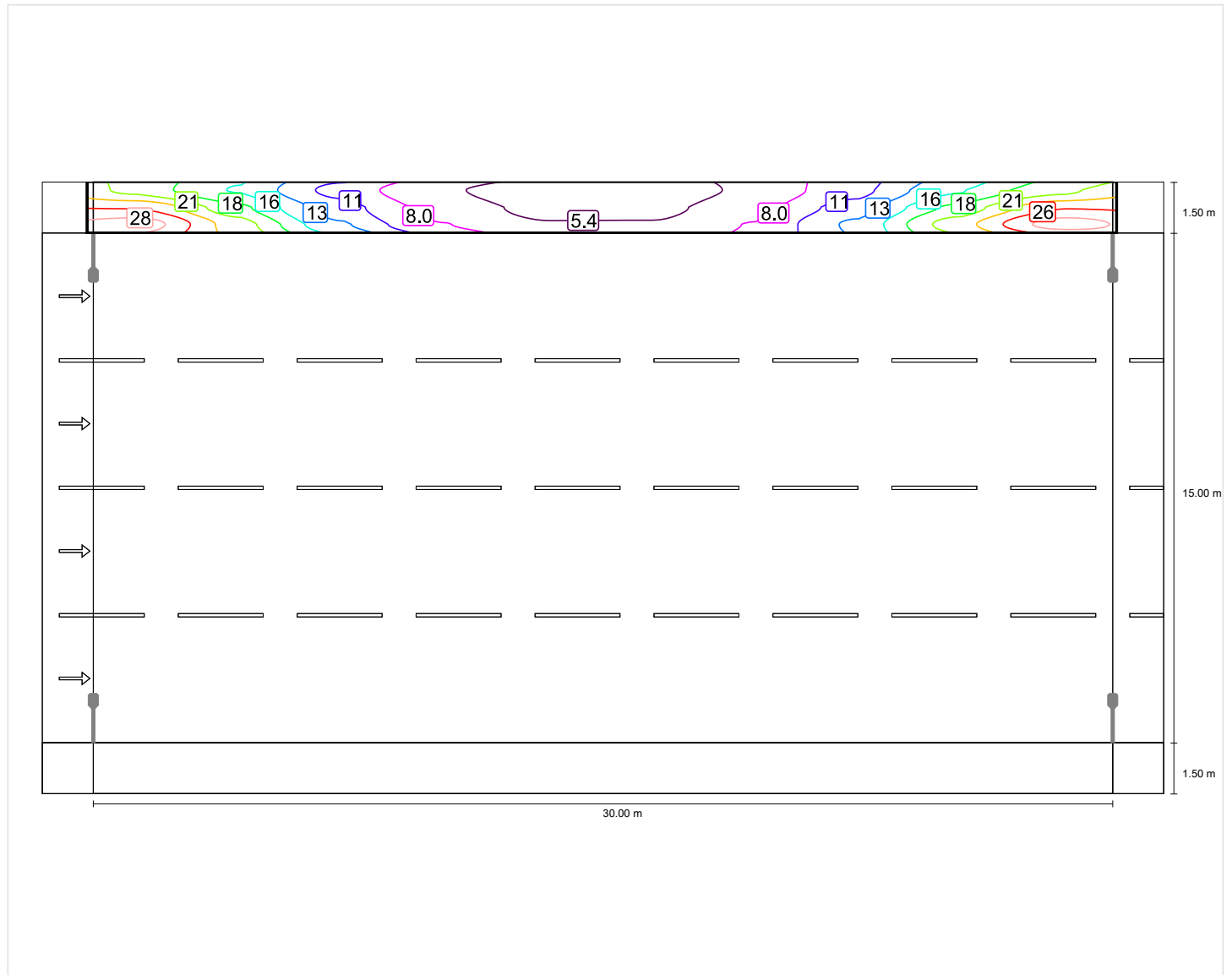
Em [lx]	Emin [lx]	Emax [lx]	g1	g2
13.5	4.17	29.8	0.308	0.140

sidewalk (P2)

Maintenance factor: 0.67
 Grid: 10 x 3 Points

Em [lx]	Emin [lx]
≥ 10.00	≥ 2.00
≤ 15.00	
✓ 13.54	✓ 4.17

Horizontal illuminance

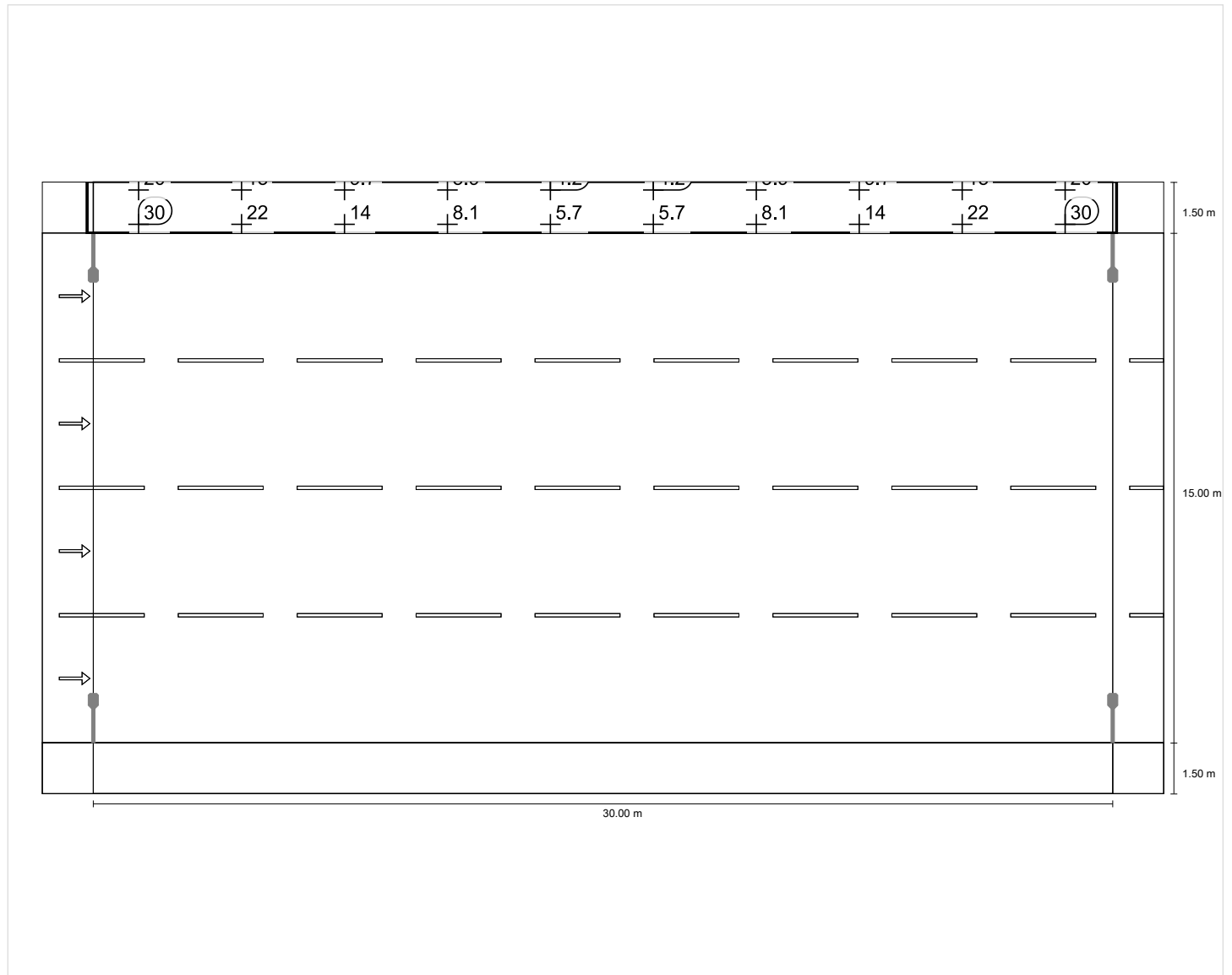


sidewalk (P2)

Maintenance factor: 0.67
 Grid: 10 x 3 Points

Em [lx]	Emin [lx]
≥ 10.00	≥ 2.00
≤ 15.00	
✓ 13.54	✓ 4.17

Horizontal illuminance



street (P1)

Maintenance factor: 0.67
Grid: 10 x 12 Points

Em [lx] ≥ 15.00 ≤ 22.50	Emin [lx] ≥ 3.00
✓ 19.81	✓ 7.33

street (P1)

Horizontal illuminance [lx]

15.875	34.2	25.0	16.0	9.91	7.33	7.33	9.91	16.0	25.0	34.2
14.625	36.3	26.6	17.4	11.9	9.32	9.32	11.9	17.4	26.6	36.3
13.375	35.3	27.3	17.5	12.7	10.9	10.9	12.7	17.5	27.3	35.3
12.125	31.7	25.7	16.9	13.1	11.8	11.8	13.1	16.9	25.7	31.7
10.875	30.4	25.0	17.1	13.4	12.1	12.1	13.4	17.1	25.0	30.4
9.625	30.8	25.3	17.6	13.6	12.1	12.1	13.6	17.6	25.3	30.8
8.375	30.8	25.3	17.6	13.6	12.1	12.1	13.6	17.6	25.3	30.8
7.125	30.4	25.0	17.1	13.4	12.1	12.1	13.4	17.1	25.0	30.4
5.875	31.7	25.7	16.9	13.1	11.8	11.8	13.1	16.9	25.7	31.7
4.625	35.3	27.3	17.5	12.7	10.9	10.9	12.7	17.5	27.3	35.3
3.375	36.3	26.6	17.4	11.9	9.32	9.32	11.9	17.4	26.6	36.3
2.125	34.2	25.0	16.0	9.91	7.33	7.33	9.91	16.0	25.0	34.2
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Grid: 10 x 12 Points

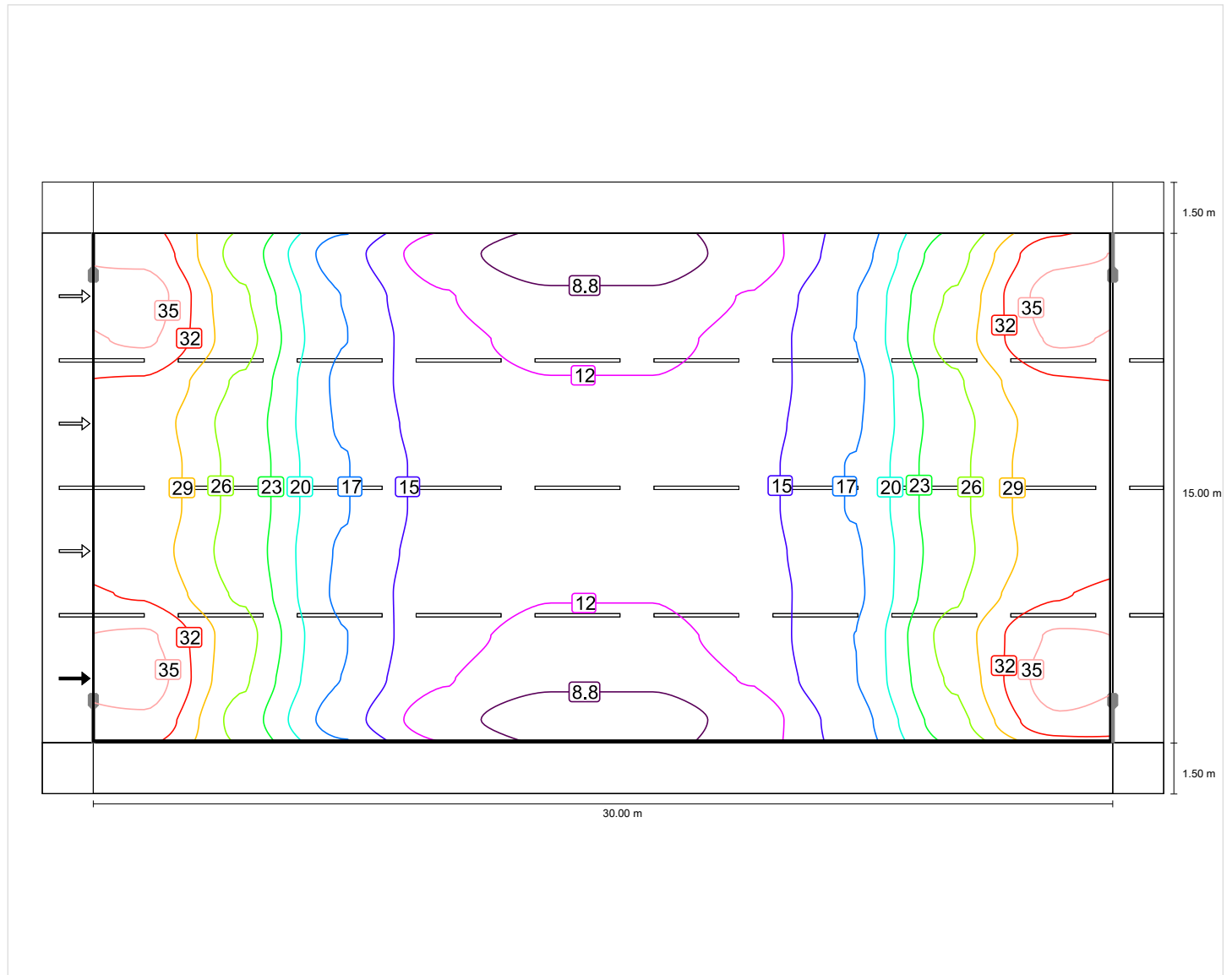
Em [lx]	Emin [lx]	Emax [lx]	g1	g2
19.8	7.33	36.3	0.370	0.202

street (P1)

Maintenance factor: 0.67
 Grid: 10 x 12 Points

Em [lx]	Emin [lx]
≥ 15.00	≥ 3.00
≤ 22.50	
✓ 19.81	✓ 7.33

Horizontal illuminance

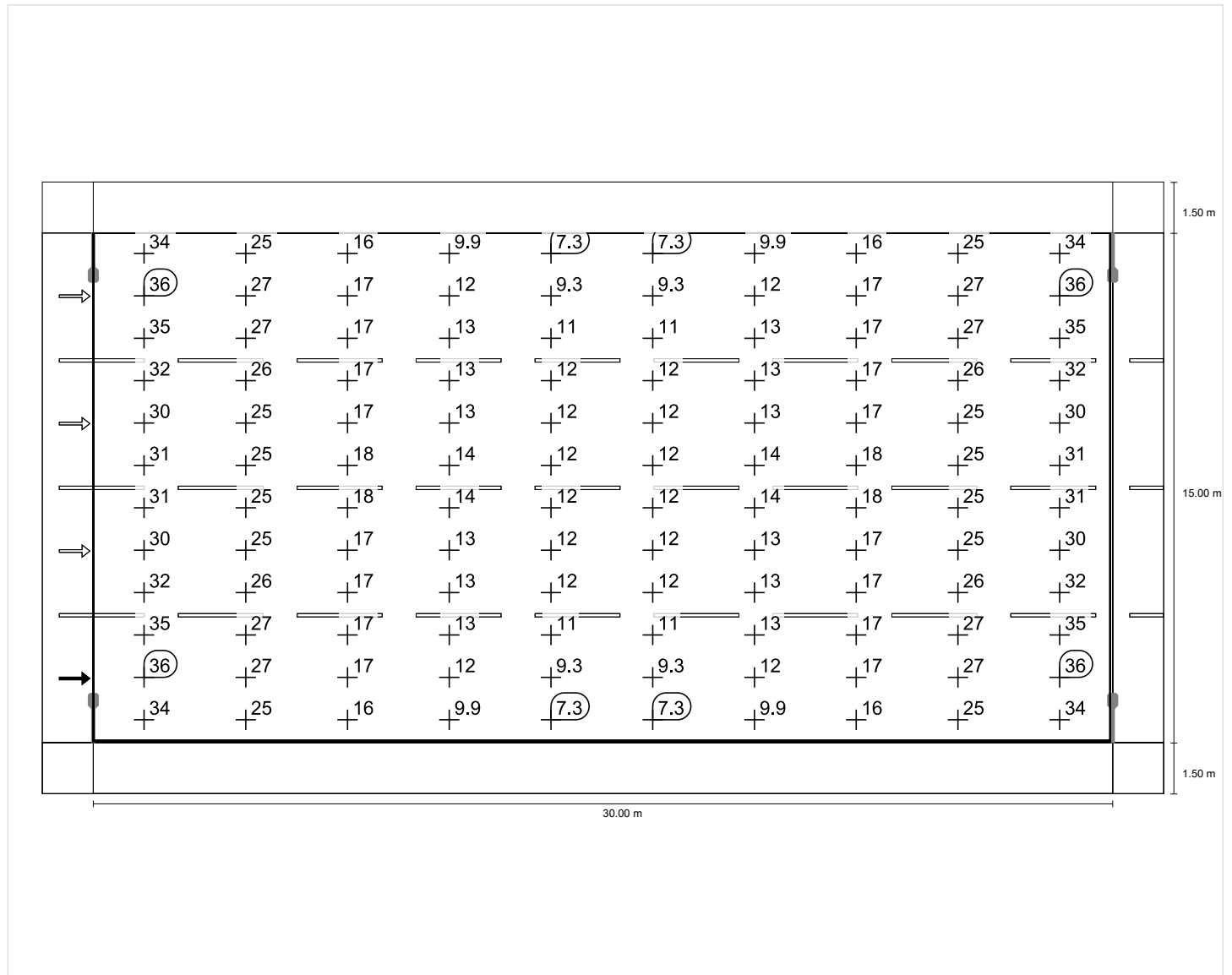


street (P1)

Maintenance factor: 0.67
 Grid: 10 x 12 Points

Em [lx]	Emin [lx]
≥ 15.00	≥ 3.00
≤ 22.50	
✓ 19.81	✓ 7.33

Horizontal illuminance



sidewalk (P2)

Maintenance factor: 0.67
Grid: 10 x 3 Points

Em [lx] ≥ 10.00 ≤ 15.00	Emin [lx] ≥ 2.00
✓ 13.54	✓ 4.17

sidewalk (P2)

Horizontal illuminance [lx]

1.250	29.8	22.1	13.6	8.14	5.70	5.70	8.14	13.6	22.1	29.8
0.750	25.8	19.0	11.8	7.00	4.86	4.86	7.00	11.8	19.0	25.8
0.250	20.1	15.5	9.73	5.88	4.17	4.17	5.88	9.73	15.5	20.1
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500

Grid: 10 x 3 Points

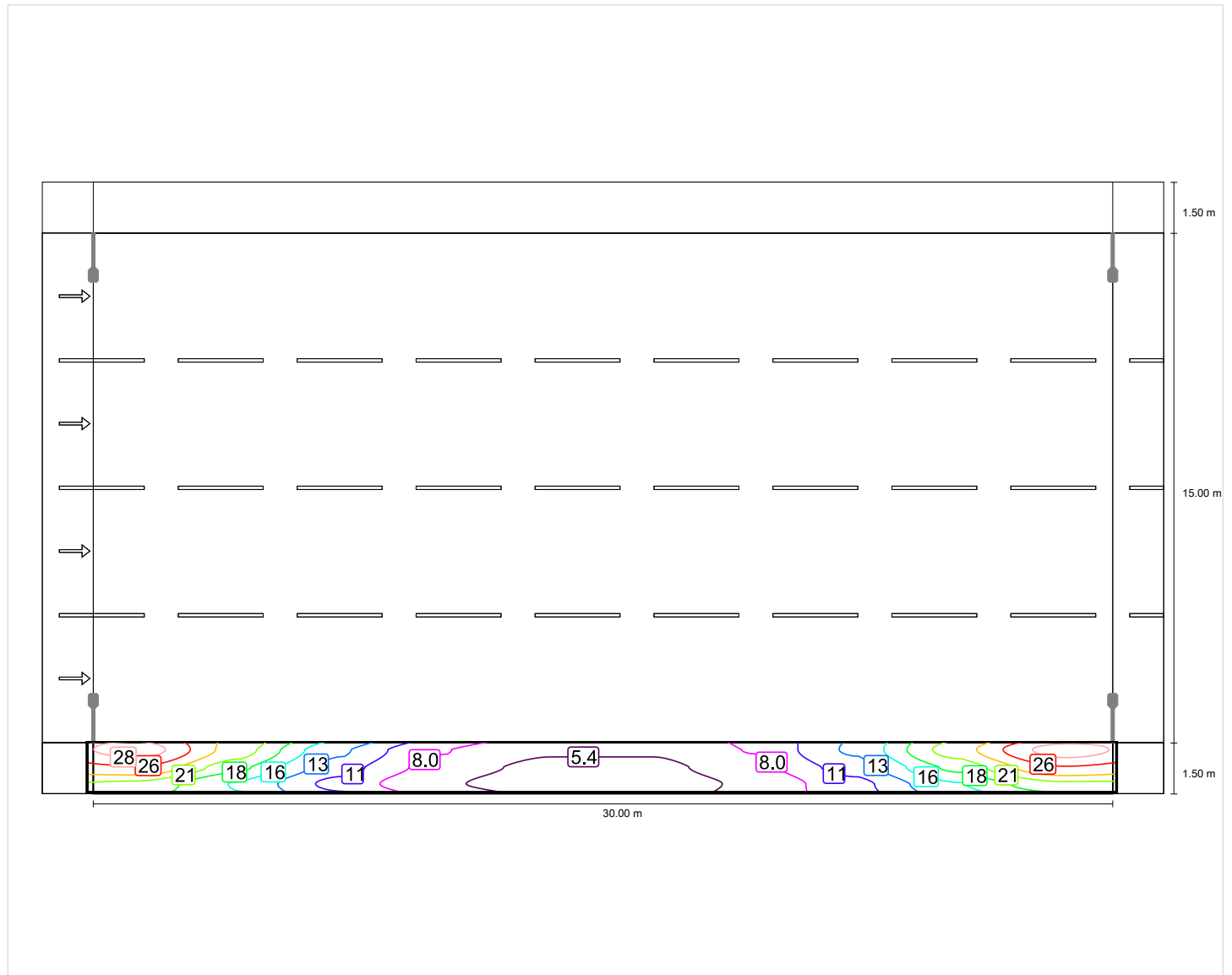
Em [lx]	Emin [lx]	Emax [lx]	g1	g2
13.5	4.17	29.8	0.308	0.140

sidewalk (P2)

Maintenance factor: 0.67
 Grid: 10 x 3 Points

Em [lx]	Emin [lx]
≥ 10.00	≥ 2.00
≤ 15.00	
✓ 13.54	✓ 4.17

Horizontal illuminance



sidewalk (P2)

Maintenance factor: 0.67
 Grid: 10 x 3 Points

Em [lx]	Emin [lx]
≥ 10.00	≥ 2.00
≤ 15.00	
✓ 13.54	✓ 4.17

Horizontal illuminance

