

Ventspils, Savienojošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 15.02.2017
Operator: Jānis Škutāns

SIA "Gaismas Stils"

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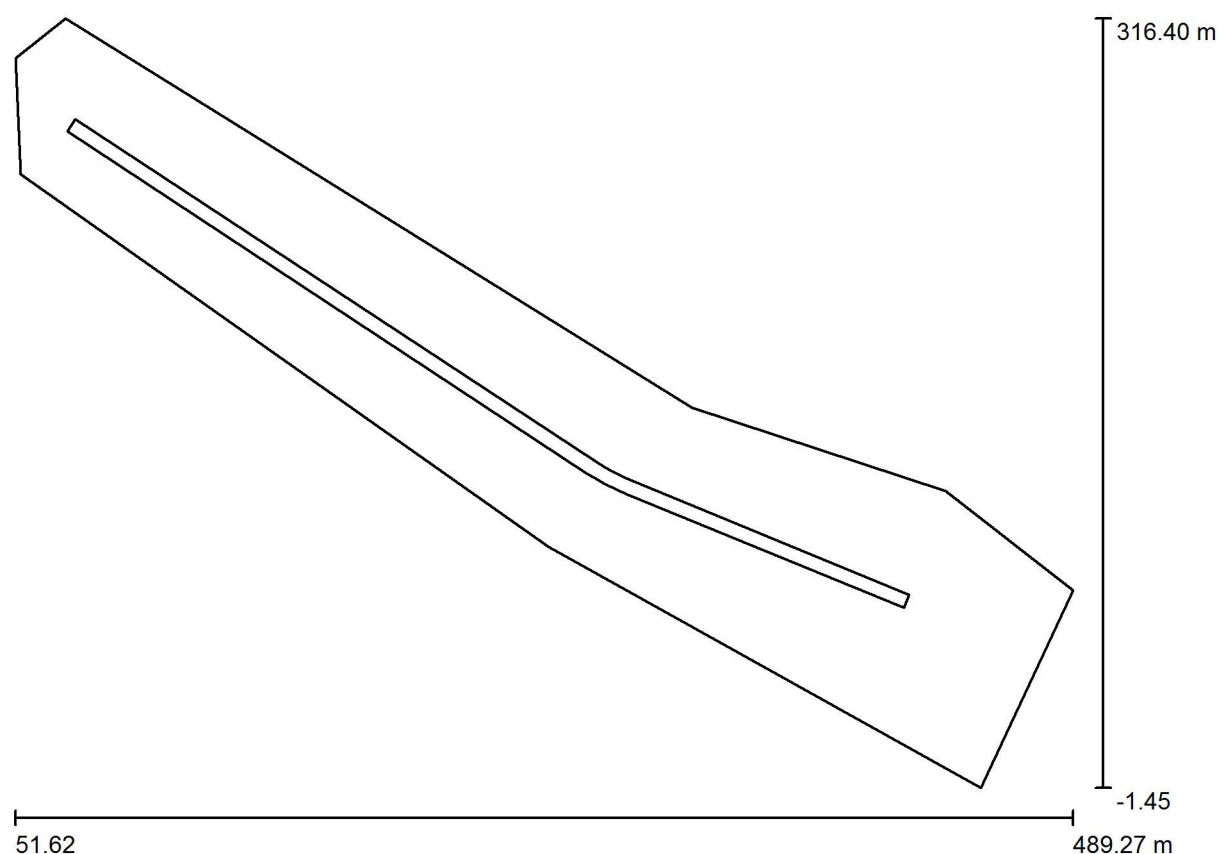
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Ventspils, Savienošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni / Planning data



Maintenance factor: 0.90, ULR (Upward Light Ratio): 0.0%

Scale 1:3129

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	15	CREE XSPD02210E--K_24-Q1 3000K XSPD - E - Type 210 - Q1 3000K (1.000)	6301	6775	49.0
Total:			94513	101625	735.0

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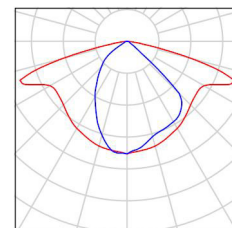
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Ventspils, Savienojošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni / Luminaire parts list

15 Pieces CREE XSPD02210E--K_24-Q1 3000K XSPD - E
- Type 210 - Q1 3000K
Article No.: XSPD02210E--K_24-Q1 3000K
Luminous flux (Luminaire): 6301 lm
Luminous flux (Lamps): 6775 lm
Luminaire Wattage: 49.0 W
Luminaire classification according to CIE: 100
CIE flux code: 48 81 97 100 93
Fitting: 1 x 5 LED MD-A Q1 3K 12V (Correction
Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.



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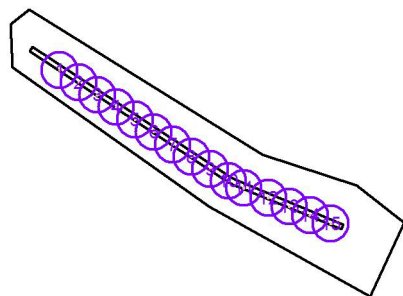
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Ventspils, Savienojošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni / Luminares (coordinates list)

CREE XSPD02210E--K_24-Q1 3000K XSPD - E - Type 210 - Q1 3000K

6301 lm, 49.0 W, 1 x 1 x 5 LED MD-A Q1 3K 12V (Correction Factor 1.000).



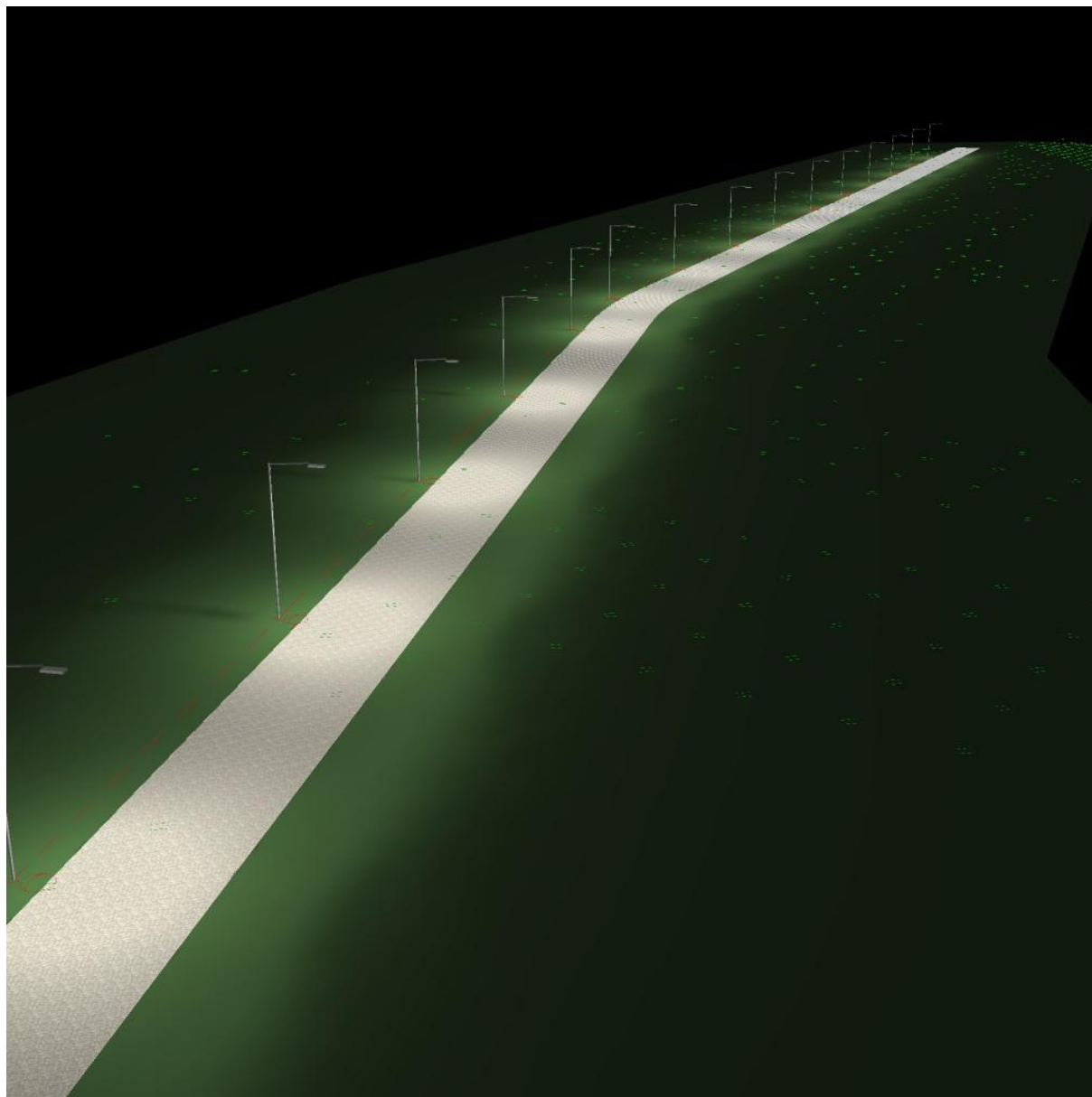
No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	106.714	249.180	8.000	0.0	0.0	-33.3
2	127.665	235.465	8.000	0.0	0.0	-33.3
3	148.556	221.723	8.000	0.0	0.0	-33.3
4	169.481	208.037	8.000	0.0	0.0	-33.3
5	190.351	194.256	8.000	0.0	0.0	-33.3
6	211.206	180.511	8.000	0.0	0.0	-33.3
7	232.124	166.789	8.000	0.0	0.0	-33.3
8	253.047	153.102	8.000	0.0	0.0	-33.3
9	273.903	139.308	8.000	0.0	0.0	-33.3
10	293.999	126.420	8.000	0.0	0.0	-30.1
11	311.026	118.598	8.000	0.0	0.0	-22.3
12	338.363	107.334	8.000	0.0	0.0	-22.3
13	361.518	97.896	8.000	0.0	0.0	-22.3
14	384.643	88.351	8.000	0.0	0.0	-22.3
15	407.658	78.864	8.000	0.0	0.0	-22.3

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Ventspils, Savienojošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni / 3D Rendering

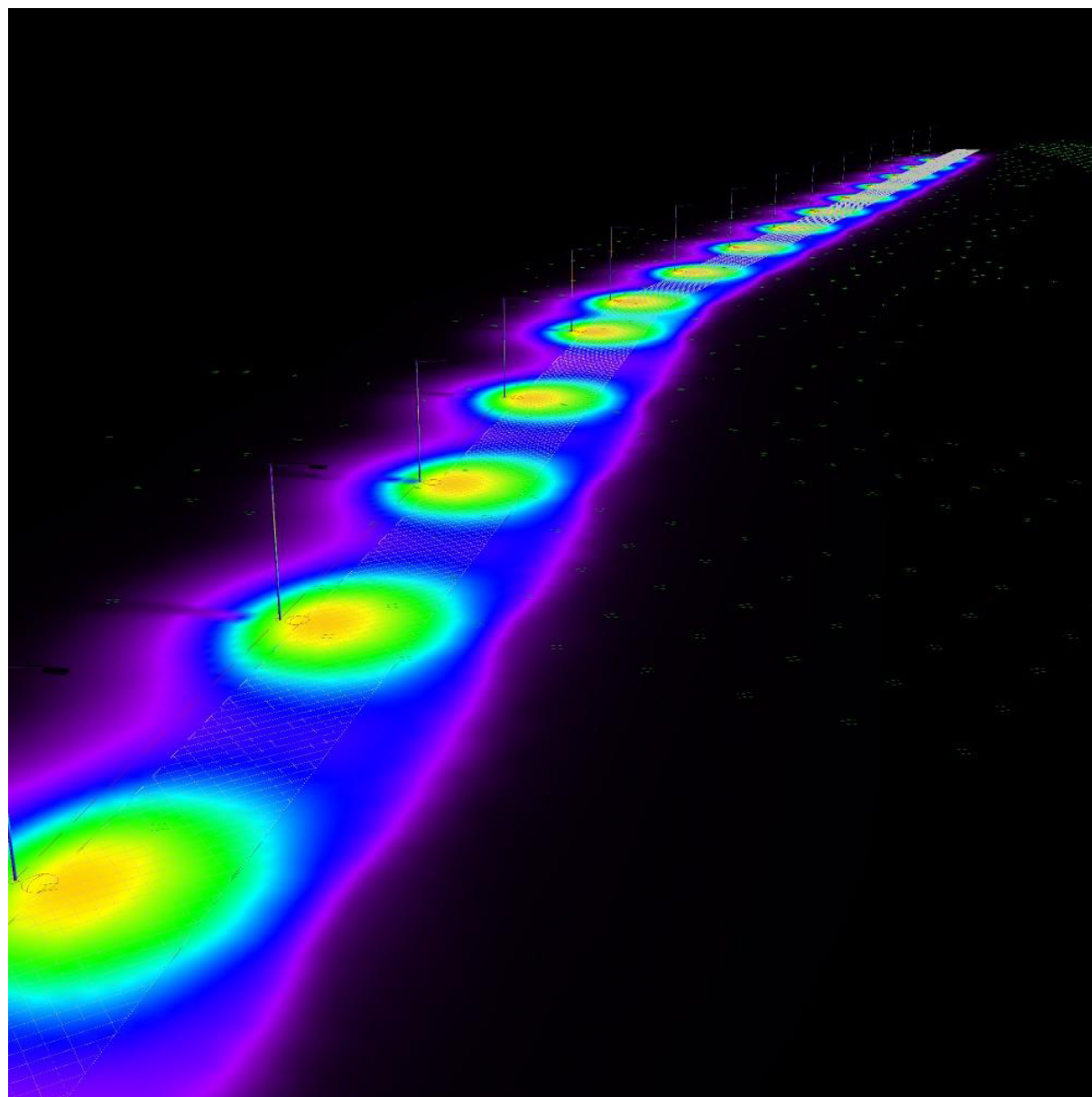


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Ventspils, Savienojošais ceļš no Fabrikas ielas 6C teritorijas uz 12.piestātni / False Colour Rendering



0 5 10 15 20 30 40 50 80 lx

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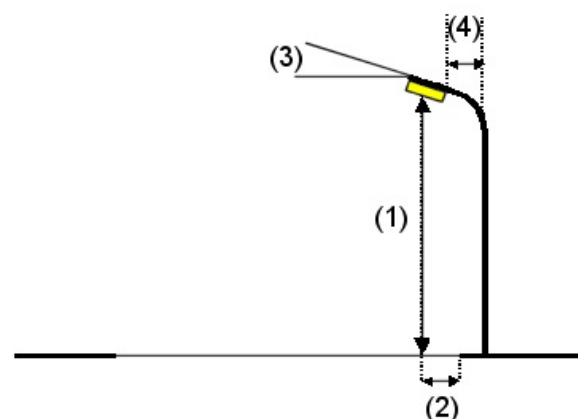
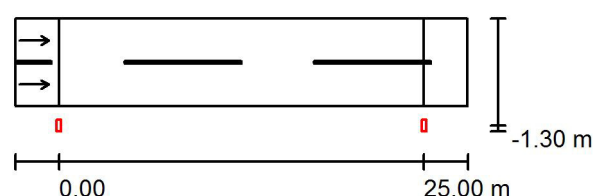
Street 1 / Planning data

Street Profile

Roadway 1 (Width: 6.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.90

Luminaire Arrangements



Luminaire:	CREE XSPD02210E--K_24-Q1 3000K XSPD - E - Type 210 - Q1 3000K
Luminous flux (Luminaire):	6301 lm
Luminous flux (Lamps):	6775 lm
Luminaire Wattage:	49.0 W
Arrangement:	Single row, bottom
Pole Distance:	25.000 m
Mounting Height (1):	8.000 m
Height:	7.900 m
Overhang (2):	-1.300 m
Boom Angle (3):	0.0 °
Boom Length (4):	2.000 m

Maximum luminous intensities

at 70°: 452 cd/klm

at 80°: 101 cd/klm

at 90°: 0.00 cd/klm

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

No luminous intensities above 90°.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.4.

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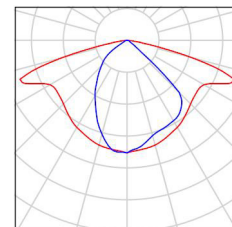
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Street 1 / Luminaire parts list

CREE XSPD02210E--K_24-Q1 3000K XSPD - E
- Type 210 - Q1 3000K
Article No.: XSPD02210E--K_24-Q1 3000K
Luminous flux (Luminaire): 6301 lm
Luminous flux (Lamps): 6775 lm
Luminaire Wattage: 49.0 W
Luminaire classification according to CIE: 100
CIE flux code: 48 81 97 100 93
Fitting: 1 x 5 LED MD-A Q1 3K 12V (Correction
Factor 1.000).

See our luminaire
catalog for an image of
the luminaire.

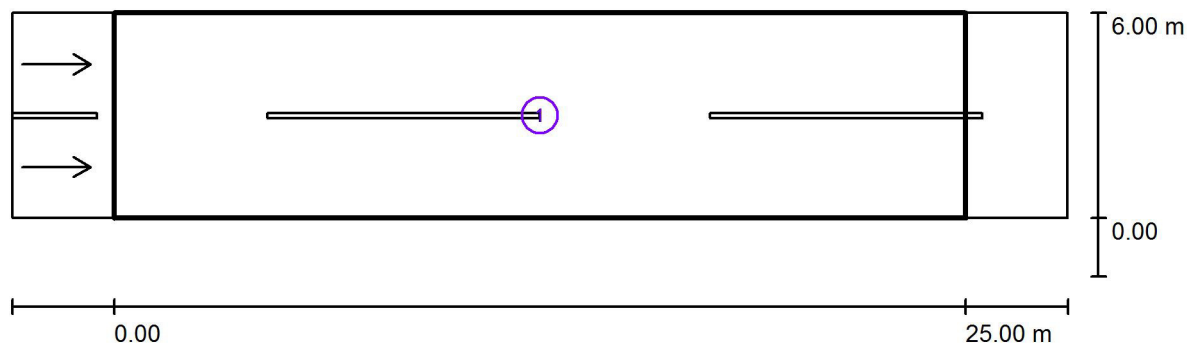


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Street 1 / Photometric Results



Maintenance factor: 0.90

Scale 1:222

Calculation Field List

- Valuation Field Roadway 1
 Length: 25.000 m, Width: 6.000 m
 Grid: 10 x 6 Points
 Accompanying Street Elements: Roadway 1.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME4b

(All lighting performance requirements are met.)

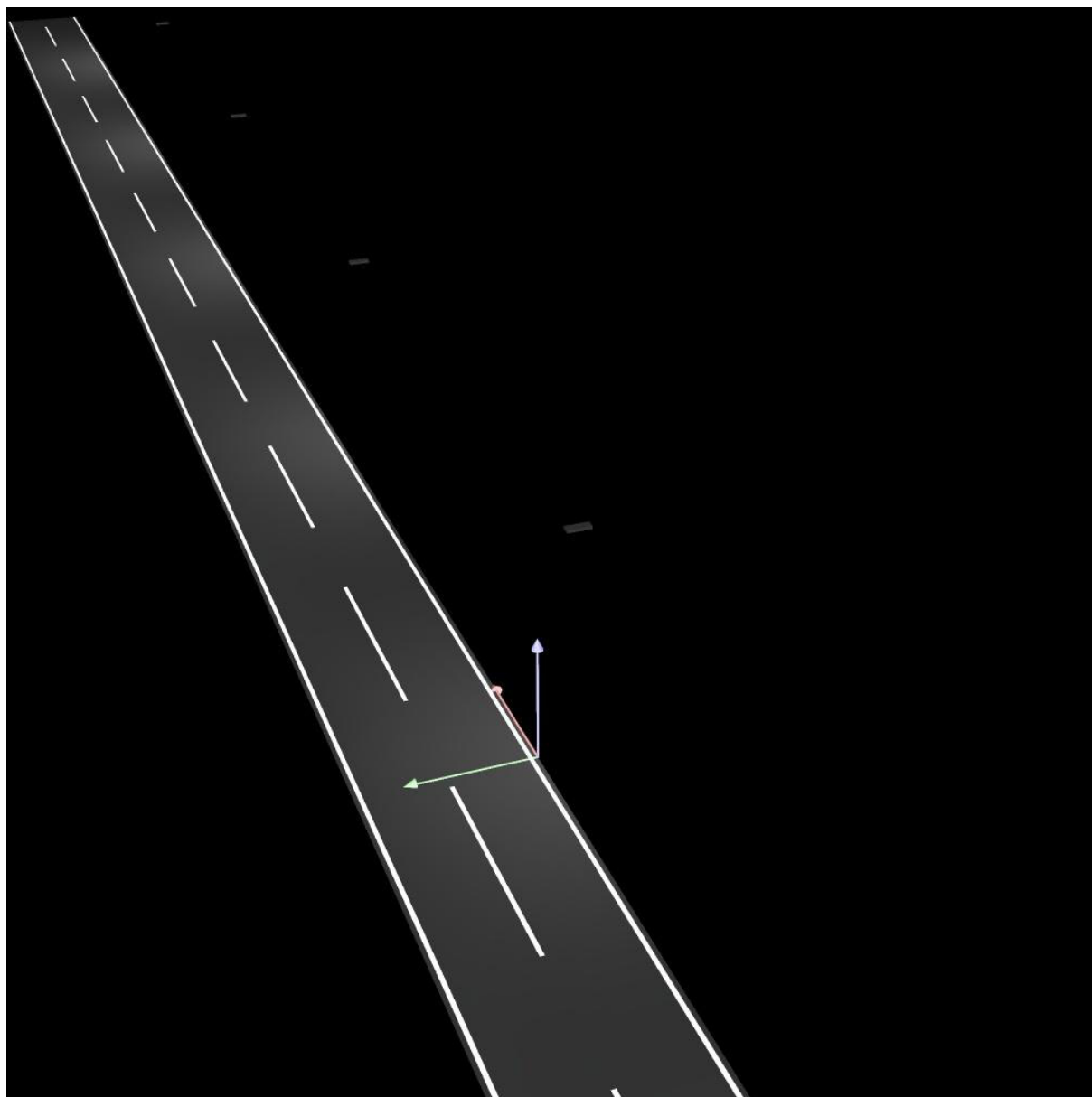
	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.87	0.50	0.75	11	0.85
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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Street 1 / 3D Rendering

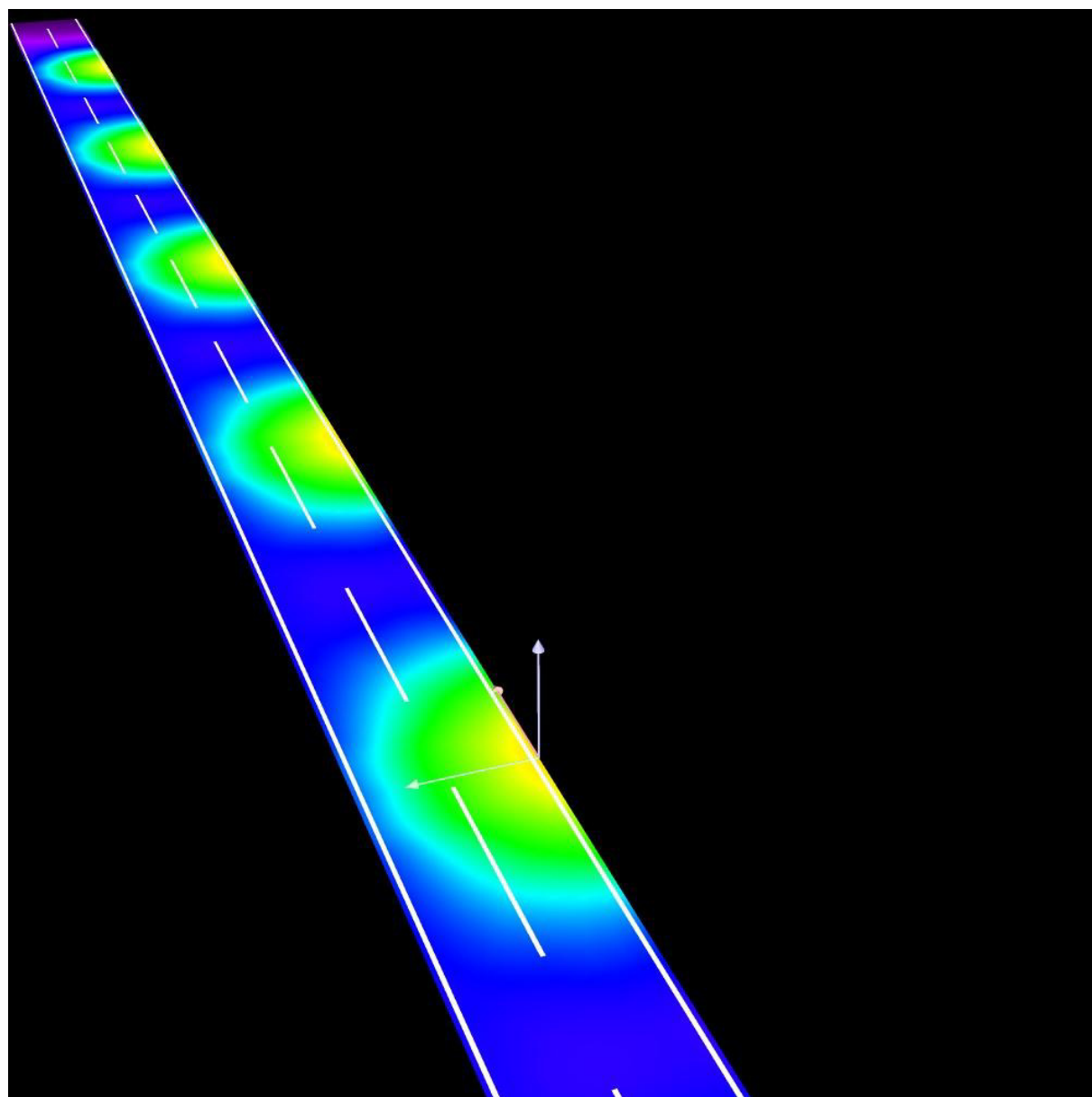


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Street 1 / False Colour Rendering



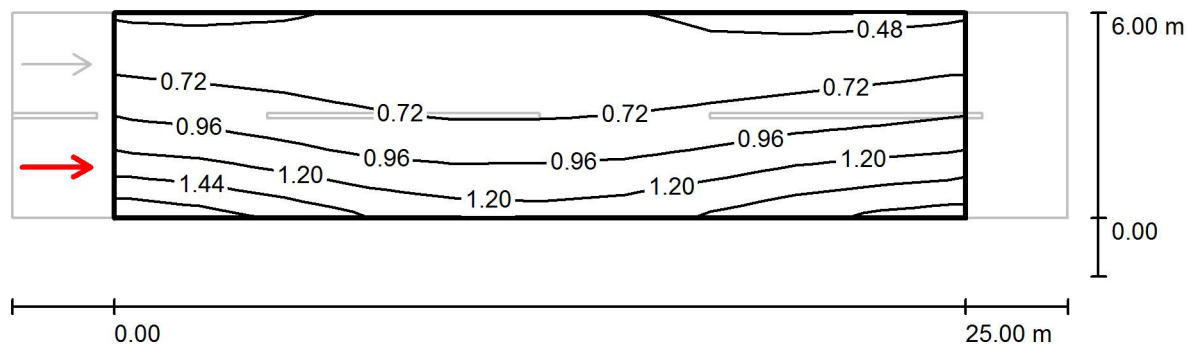
0 5 10 15 20 30 40 50 80 lx

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Street 1 / Valuation Field Roadway 1 / Observer 1 / Isolines (L)


Values in Candela/m², Scale 1 : 222

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 1.500 m, 1.500 m)

tarmac: R3, q0: 0.070

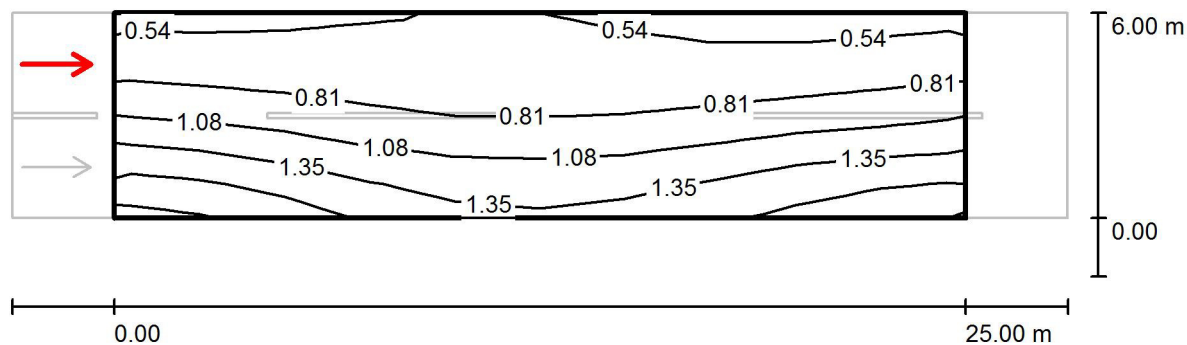
	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.87	0.53	0.75	11
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Street 1 / Valuation Field Roadway 1 / Observer 2 / Isolines (L)


Values in Candela/m², Scale 1 : 222

Grid: 10 x 6 Points

Observer Position: (-60.000 m, 4.500 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.98	0.50	0.86	7
Required values according to class ME4b:	≥ 0.75	≥ 0.40	≥ 0.50	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓