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Neretas, Prohorova, Garozas ielas

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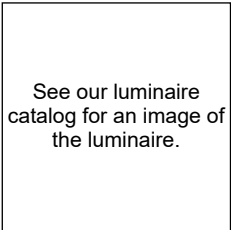
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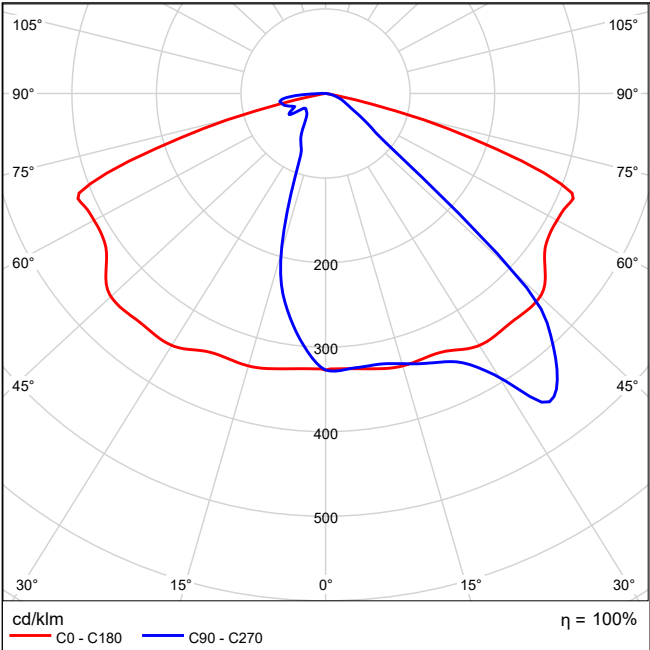
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ZPSO ROSA 222335/3/ME Cuddle 72W 3500K ME 1xCree XP-L 72W 3500K

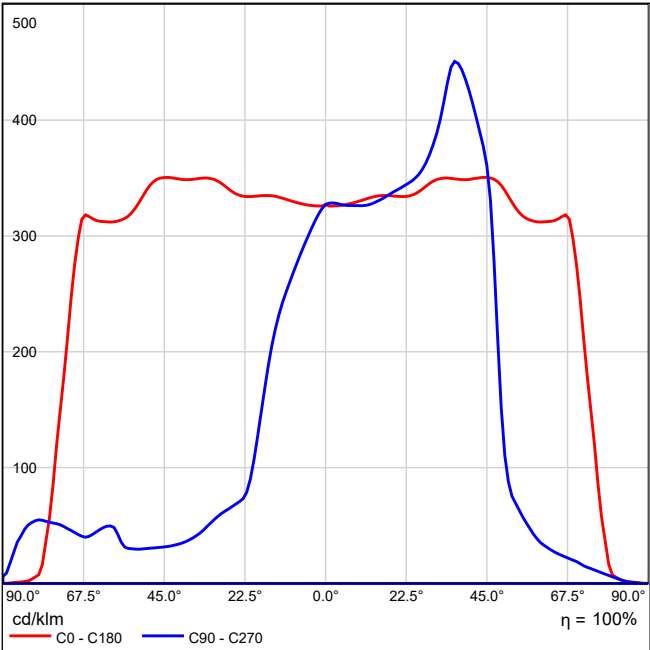


Light output ratio: 99.99%
Lamp luminous flux: 8950 lm
Luminaire luminous flux: 8949 lm
Power: 80.0 W
Luminous efficacy: 111.9 lm/W

Luminous emittance 1 / Polar LDC

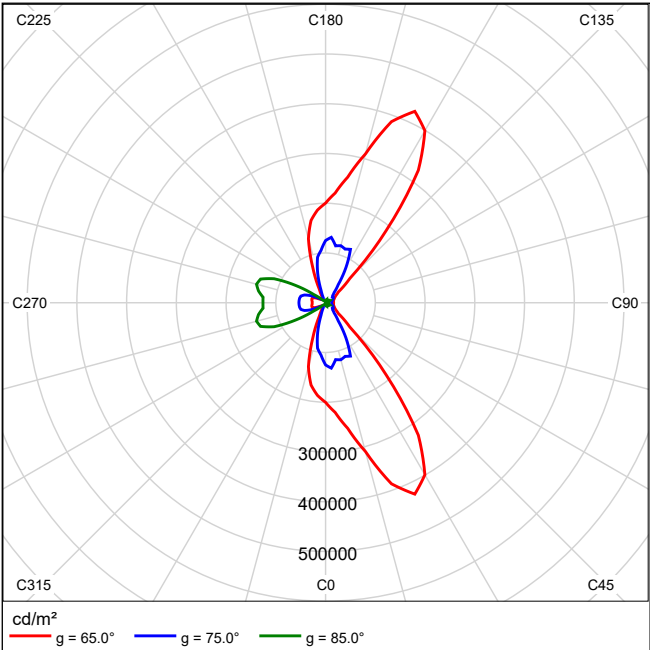


Luminous emittance 1 / Linear LDC



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

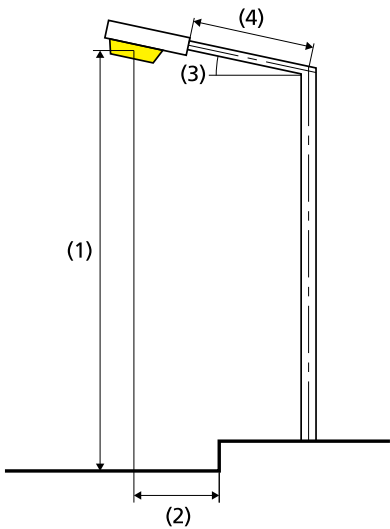
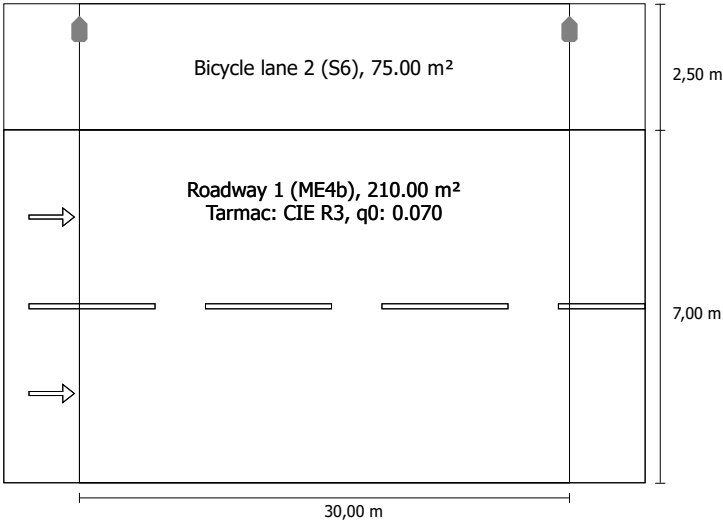
Luminous emittance 1 / Luminance diagram



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

Street 1 according to EN 13201:2004

ZPSO ROSA 222335/3/ME Cuddle 72W 3500K ME
1xCree XP-L 72W 3500K



Results for valuation fields
Maintenance factor: 0.80

Bicycle lane 2 (S6)

Emin [lx] ≥ 0.60	Em [lx]	Emin (sc)
✓ 7.26	* 18.82	* 0.28

Roadway 1 (ME4b)

Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.50	TI [%] ≤ 15	SR ≥ 0.50
✓ 0.78	✓ 0.55	✓ 0.78	✓ 10	✓ 0.76

* Informative, not part of the valuation

Luminous flux (luminaire):	8948.75 lm
Luminous flux (lamp):	8950.00 lm
Luminaire Wattage:	80.0 W
W/km:	2640.0
Arrangement:	single side top
Pole distance:	30.000 m
Boom inclination (3):	5.0°
Boom length (4):	0.000 m
Light centre height (1):	8.000 m
Light overhang (2):	-2.000 m
ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70°:	630 cd/klm
at 80°:	47.2 cd/klm
at 90°:	2.23 cd/klm
Luminous intensity class:	G.3
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	
Arrangement complies with glare index class D.3	

Bicycle lane 2 (S6)

Maintenance factor: 0.80
Grid: 10 x 3 Points
Selected Lighting Class: S6

Emin [lx] ≥ 0.60	Em [lx]	Emin (sc)
✓ 7.26	* 18.82	* 0.28

* Informative, not part of the valuation

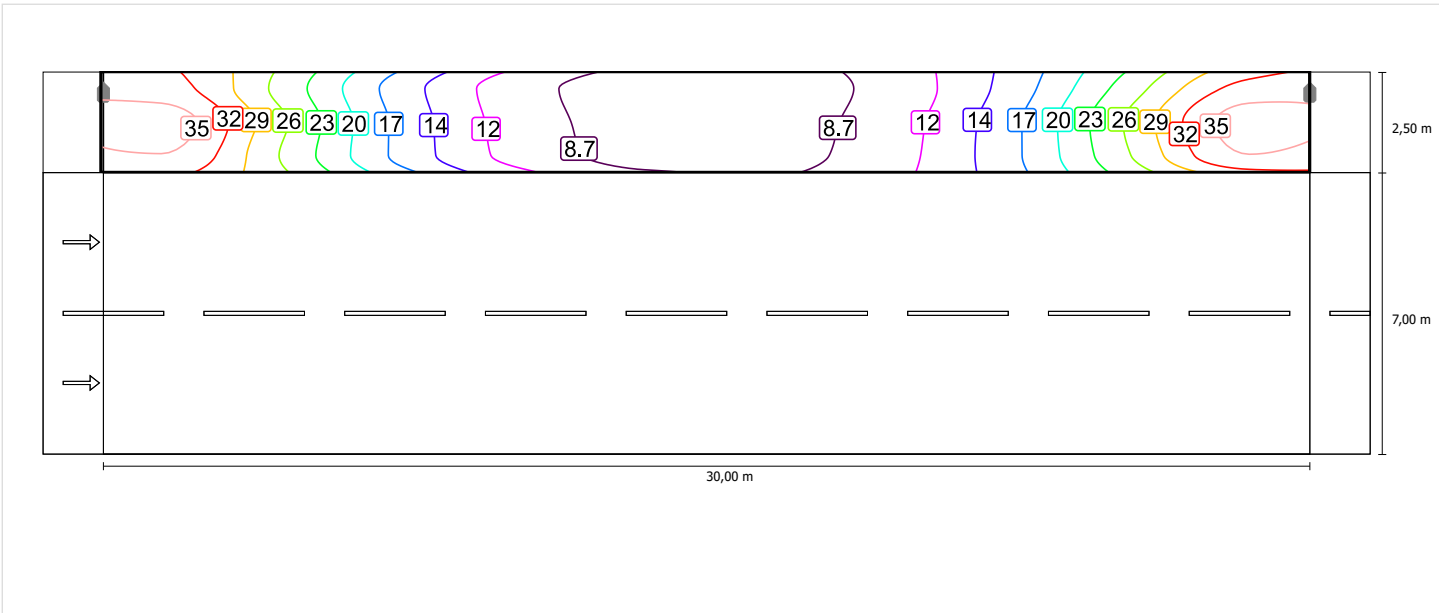
Bicycle lane 2 (S6)

Maintenance factor: 0.80
Grid: 10 x 3 Points
Selected Lighting Class: S6

Emin [lx] ≥ 0.60	Em [lx]	Emin (sc)
✓ 7.26	* 18.82	* 0.28

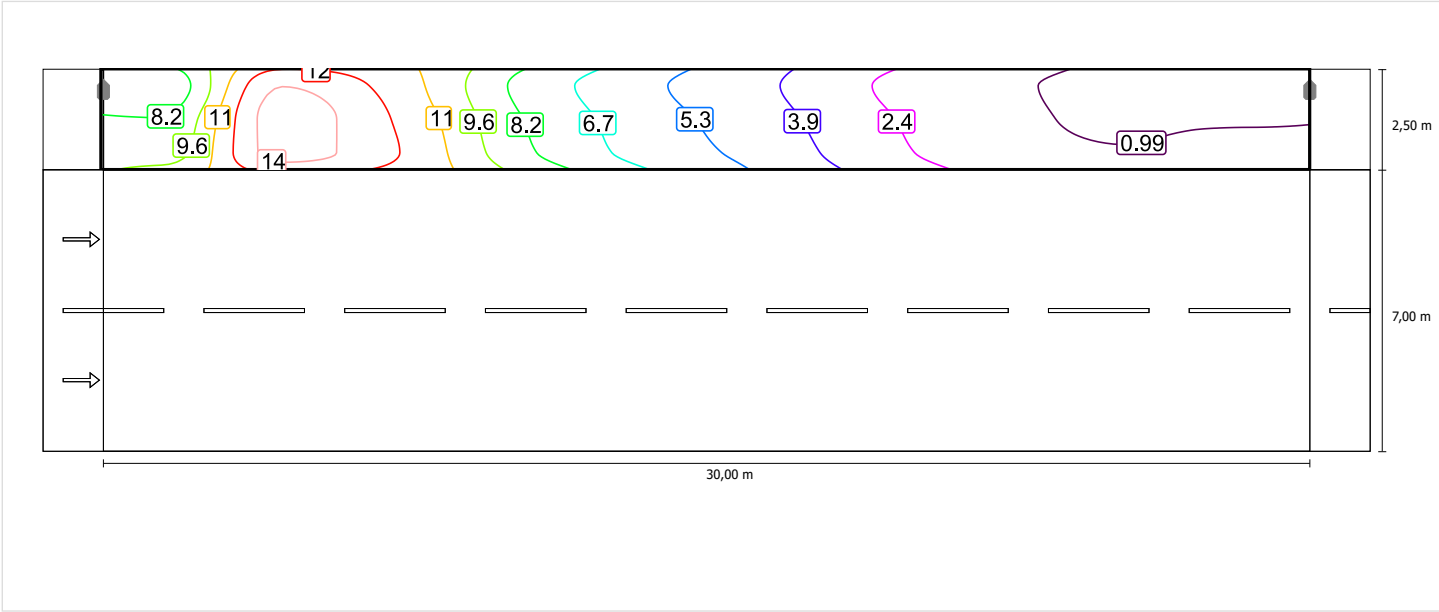
* Informative, not part of the valuation

Horizontal illuminance



Scale: 1 : 200

Semi-cylindrical illuminance (west)



Scale: 1 : 200

Roadway 1 (ME4b)

Maintenance factor: 0.80
Grid: 10 x 6 Points
Selected Lighting Class: ME4b

Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.50	TI [%] ≤ 15	SR ≥ 0.50
✓ 0.78	✓ 0.55	✓ 0.78	✓ 10	✓ 0.76

Assigned Observer (2):

Observer	Position [m]	Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.50	TI [%] ≤ 15
Observer 1	(-60.000, 1.750, 1.500)	0.85	0.55	0.78	6
Observer 2	(-60.000, 5.250, 1.500)	0.78	0.59	0.81	10

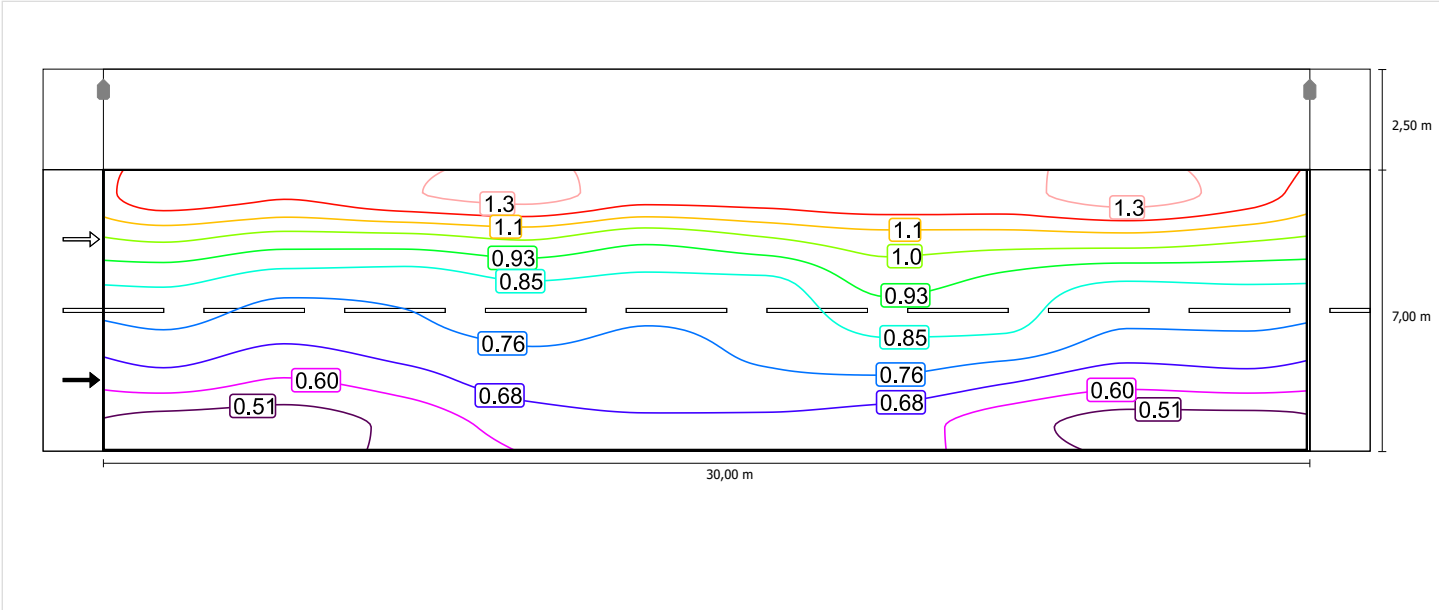
Roadway 1 (ME4b)

Maintenance factor: 0.80
Grid: 10 x 6 Points
Selected Lighting Class: ME4b

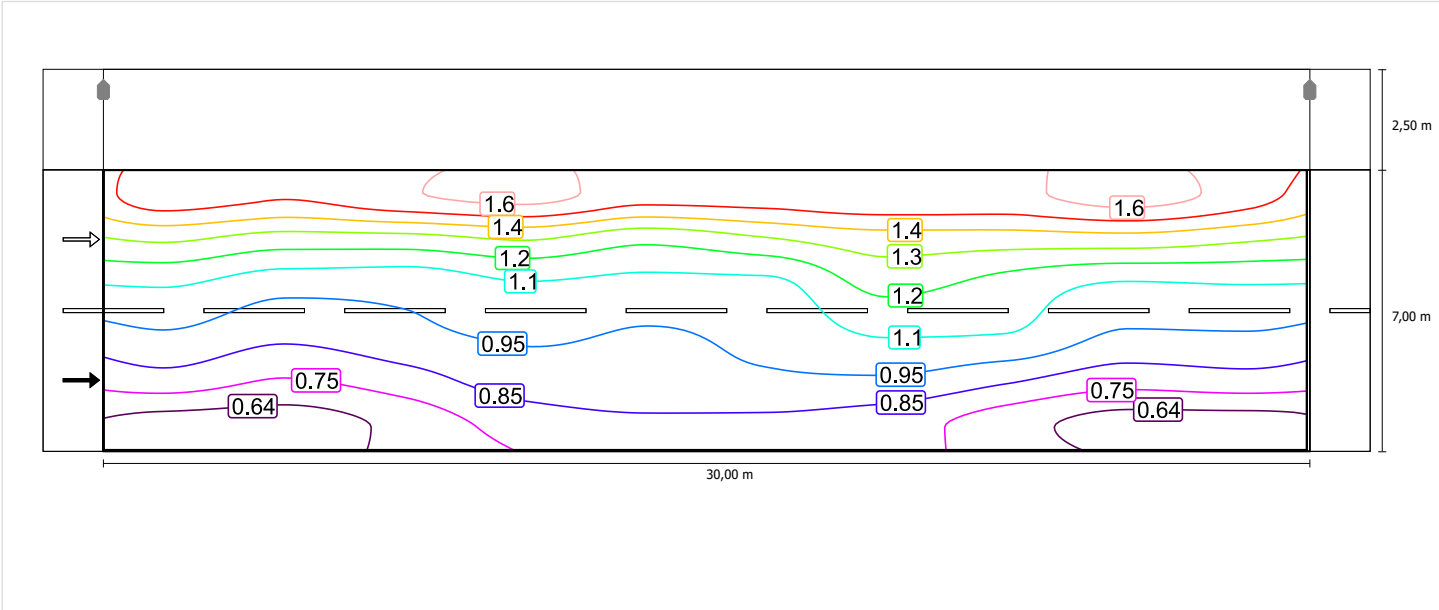
Lm [cd/m²] ≥ 0.75	Uo ≥ 0.40	UI ≥ 0.50	TI [%] ≤ 15	SR ≥ 0.50
✓ 0.78	✓ 0.55	✓ 0.78	✓ 10	✓ 0.76

Observer 1

Luminance with dry roadway

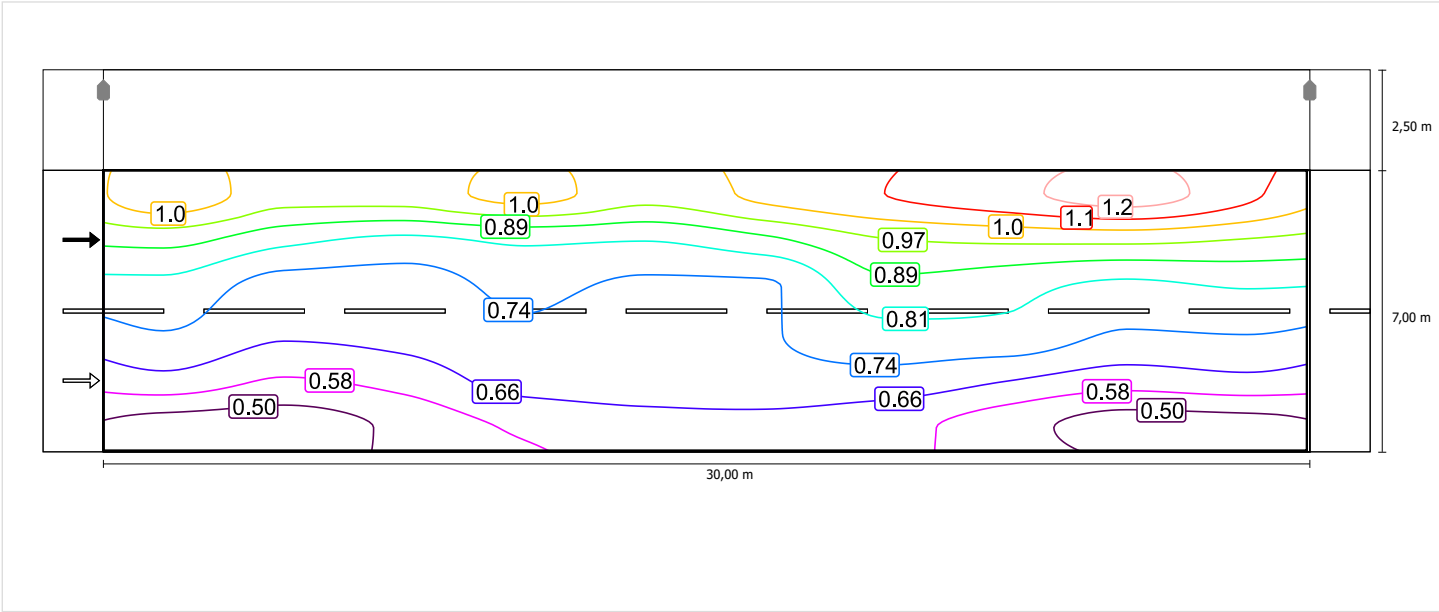


Luminance with new lamp



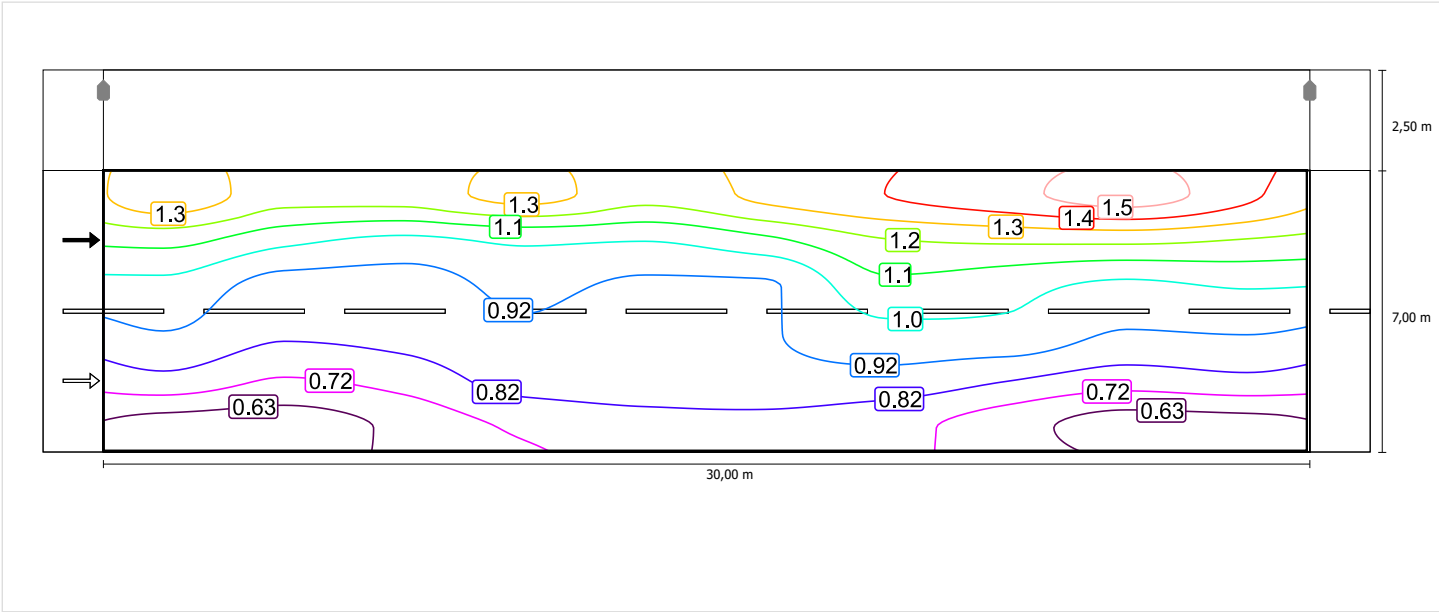
Observer 2

Luminance with dry roadway



Scale: 1 : 200

Luminance with new lamp



Scale: 1 : 200