

Aizputes iela

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

Date: 25.06.2018
Operator: Miķelis Pušilovs

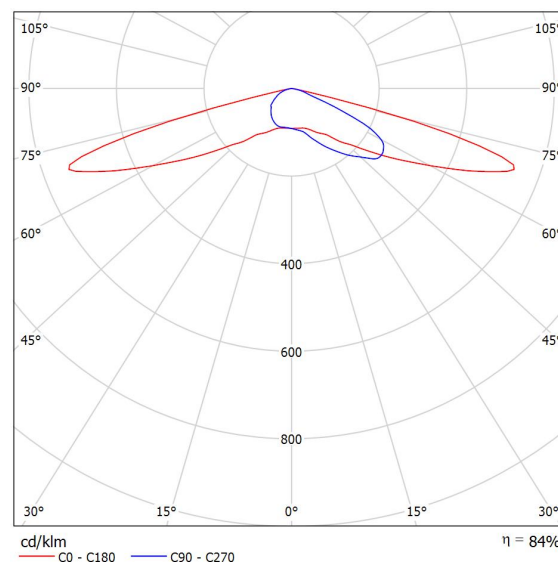
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Operator Mīkēlis Pušilovs
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Fax
e-Mail pusilovs@kce.lv

PHILIPS BGP203 T25 1 xLED20-4S/830 DW50 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 23 59 95 100 84

UniStreet – simple, cost-effective road-lighting range At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance.
Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics.
Performer version design for customers who are preparing big renovation projects, TCO oriented

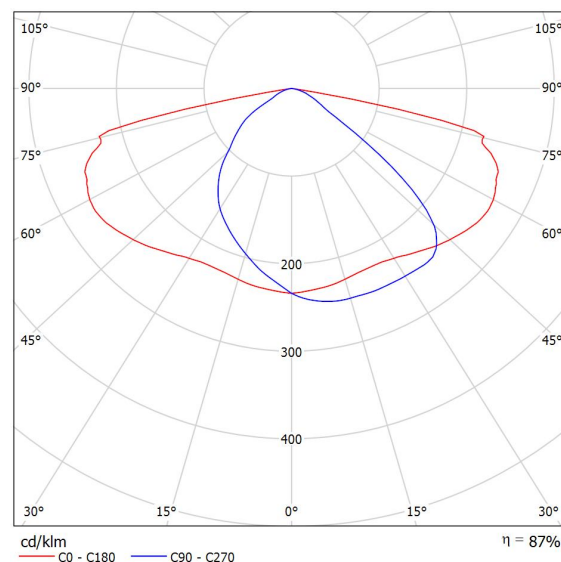
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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PHILIPS BGP203 T25 1 xLED54-4S/830 DM11 / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 39 75 97 100 87

UniStreet – simple, cost-effective road-lighting range At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance.
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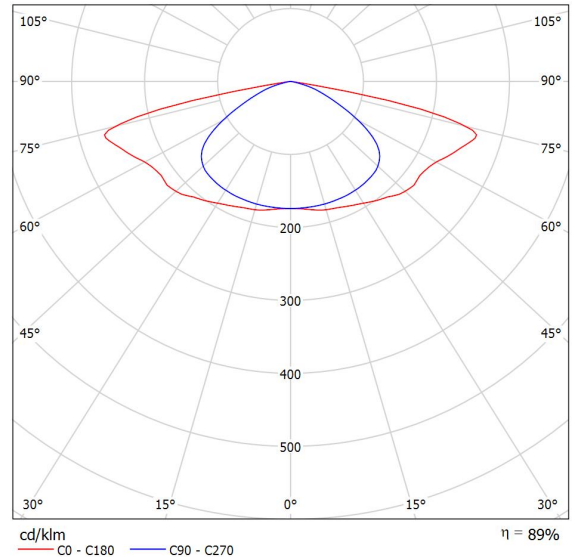
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PHILIPS BTP764 T25 1 xLED55-4S/830 DSW1 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 32 65 94 100 89

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

Get your city ready for the future with DigiStreet Philips DigiStreet Catenary is a new member of the DigiStreet Road & Street family, and it enables you to benefit from the same lighting quality, distinctive design and the advantages of connected lighting systems in applications requiring catenary solutions. Supporting Smart City initiatives, the full DigiStreet range can be equipped with two System Ready (SR) sockets to enable your city to opt in for existing and future controls, sensors and applications such as the Philips CityTouch remote light management system. In addition, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag, which is based on QR coding. With a simple scan of the QR code, which is located on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, throughout the luminaire's entire lifetime. More info?
http://www.lighting.philips.com/main/products/digistreet#system_ready__designed_for_smart_cities



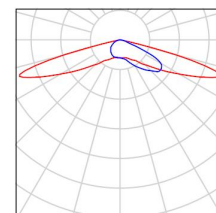
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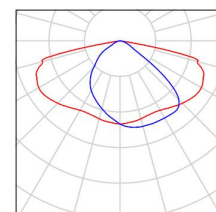
Aizputes ielas apg / Luminaire parts list

16 Pieces PHILIPS BGP203 T25 1 xLED20-4S/830 DW50
Article No.:
Luminous flux (Luminaire): 1680 lm
Luminous flux (Lamps): 2000 lm
Luminaire Wattage: 17.4 W
Luminaire classification according to CIE: 100
CIE flux code: 23 59 95 100 84
Fitting: 1 x LED20-4S/830 (Correction Factor 1.000).

See our luminaire catalog
for an image of the
luminaire.

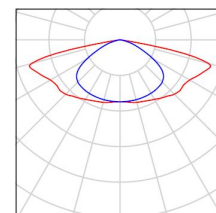


6 Pieces PHILIPS BGP203 T25 1 xLED54-4S/830 DM11
Article No.:
Luminous flux (Luminaire): 4698 lm
Luminous flux (Lamps): 5400 lm
Luminaire Wattage: 42.5 W
Luminaire classification according to CIE: 100
CIE flux code: 39 75 97 100 87
Fitting: 1 x LED54-4S/830 (Correction Factor 1.000).



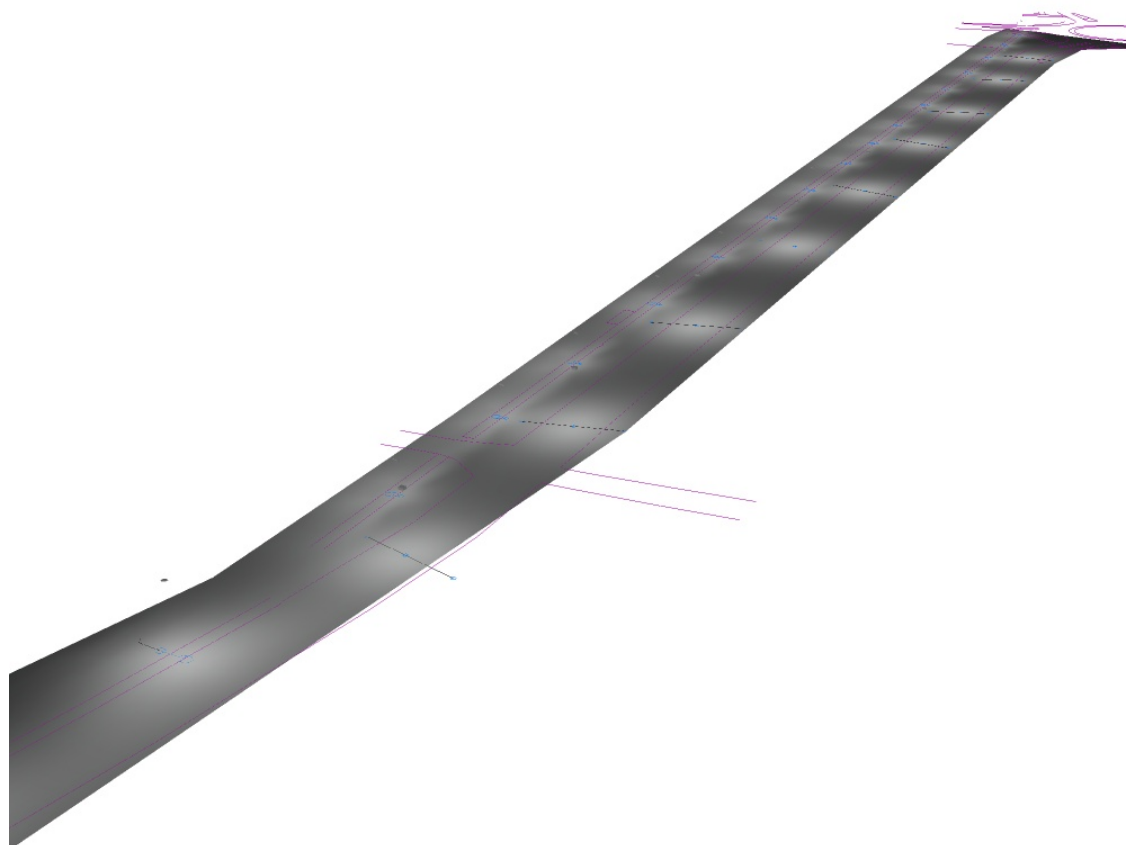
9 Pieces PHILIPS BTP764 T25 1 xLED55-4S/830 DSW1
Article No.:
Luminous flux (Luminaire): 4984 lm
Luminous flux (Lamps): 5600 lm
Luminaire Wattage: 42.0 W
Luminaire classification according to CIE: 100
CIE flux code: 32 65 94 100 89
Fitting: 1 x LED55-4S/830 (Correction Factor 1.000).

See our luminaire catalog
for an image of the
luminaire.



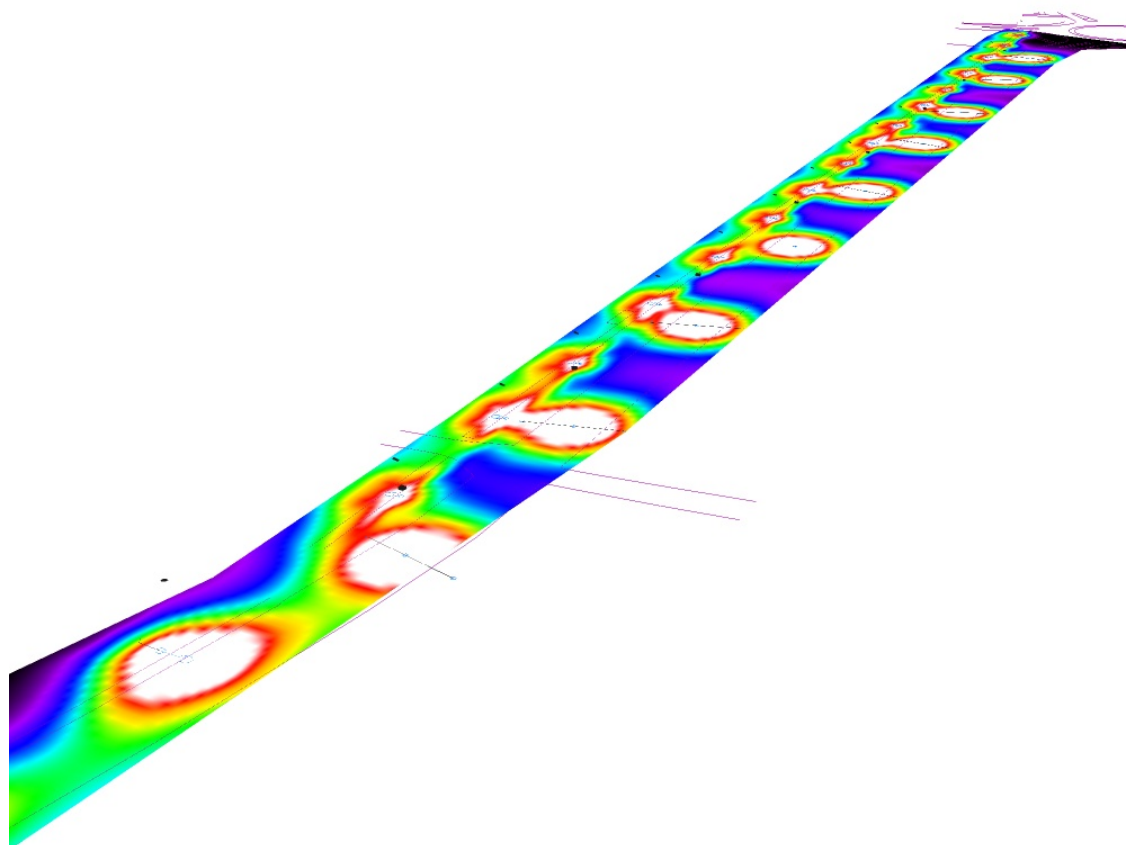


Aizputes ielas apg / 3D Rendering





Aizputes ielas apg / False Colour Rendering



0.30

1.51

2.73

3.94

5.15

6.36

7.58

8.79

10

lx

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Ietve / Planning data

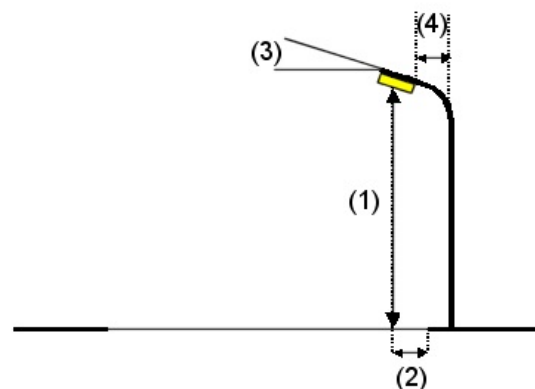
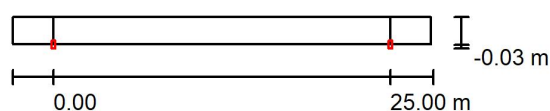
Street Profile

Aizputes ielas ietve

(Width: 2.000 m)

Maintenance factor: 0.67

Luminaire Arrangements



Luminaire: PHILIPS BGP203 T25 1 xLED20-4S/830 DW50
Luminous flux (Luminaire): 1680 lm
Luminous flux (Lamps): 2000 lm
Luminaire Wattage: 17.4 W
Arrangement: Single row, bottom
Pole Distance: 25.000 m
Mounting Height (1): 4.000 m
Height: 3.903 m
Overhang (2): 0.000 m
Boom Angle (3): 15.0 °
Boom Length (4): 0.625 m

Maximum luminous intensities
at 70°: 543 cd/klm
at 80°: 507 cd/klm
at 90°: 28 cd/klm

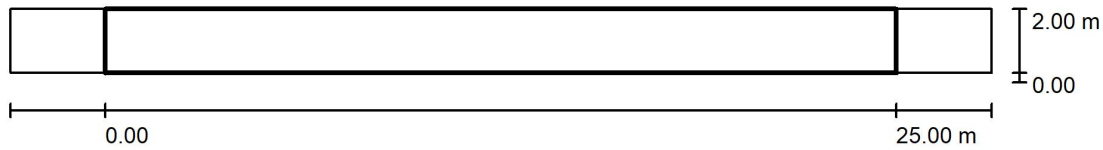
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with glare index class D.4.



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ietve / Aizputes ielas ietve / Results overview

Maintenance factor: 0.67

Scale 1:222

Grid: 10 x 3 Points

Accompanying Street Elements: Aizputes ielas ietve.

Selected Lighting Class: A5

(All lighting performance requirements are met.)

Calculated values:

Required values according to class:

Fulfilled/Not fulfilled:

E_{av} (hemispherical) [lx]

2.93

≥ 1.00



U0

0.80

≥ 0.15



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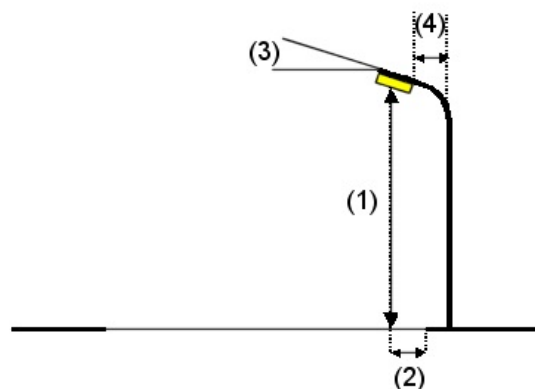
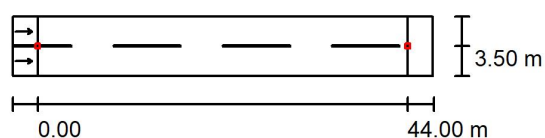
Aizputes iela, iekartie / Planning data

Street Profile

Roadway 1 (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.67

Luminaire Arrangements

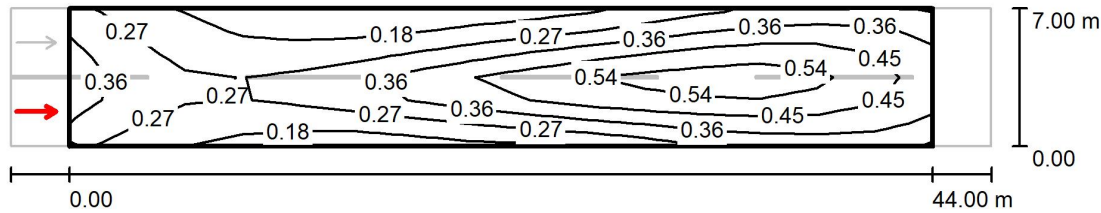


Luminaire:	PHILIPS BTP764 T25 1 xLED55-4S/830 DSW1	
Luminous flux (Luminaire):	4984 lm	Maximum luminous intensities
Luminous flux (Lamps):	5600 lm	at 70°: 260 cd/klm
Luminaire Wattage:	42.0 W	at 80°: 91 cd/klm
Arrangement:	Single row, bottom	at 90°: 0.00 cd/klm
Pole Distance:	44.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.
Mounting Height (1):	7.261 m	No luminous intensities above 90°.
Height:	7.000 m	Arrangement complies with luminous intensity class G6.
Overhang (2):	3.500 m	Arrangement complies with glare index class D.6.
Boom Angle (3):	0.0 °	
Boom Length (4):	3.500 m	

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Aizputes iela, iekartie / Valuation Field Roadway 1 / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 358

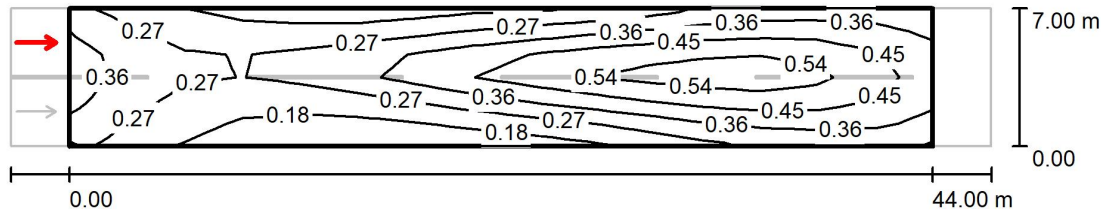
Grid: 15 x 6 Points
Observer Position: (-60.000 m, 1.750 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.34	0.39	0.50	13
Required values according to class ME6:	≥ 0.30	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Aizputes iela, iekartie / Valuation Field Roadway 1 / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 358

Grid: 15 x 6 Points

Observer Position: (-60.000 m, 5.250 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.34	0.39	0.50	13
Required values according to class ME6:	≥ 0.30	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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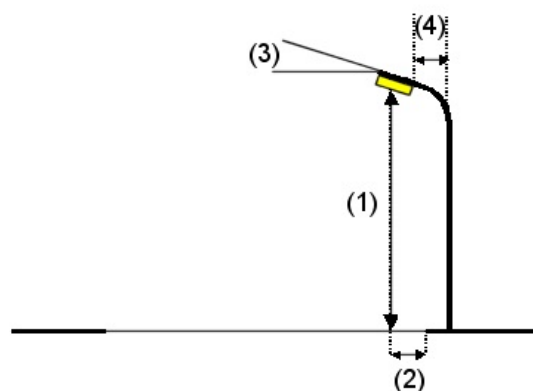
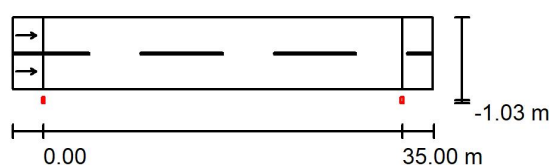
Aizputes iela, kalns / Planning data

Street Profile

Aizputes ielas kalns (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Maintenance factor: 0.67

Luminaire Arrangements



Luminaire: PHILIPS BGP203 T25 1 xLED54-4S/830 DM11
Luminous flux (Luminaire): 4698 lm
Luminous flux (Lamps): 5400 lm
Luminaire Wattage: 42.5 W
Arrangement: Single row, bottom
Pole Distance: 35.000 m
Mounting Height (1): 7.000 m
Height: 6.903 m
Overhang (2): -1.000 m
Boom Angle (3): 15.0°
Boom Length (4): -2.026 m

Maximum luminous intensities
at 70°: 501 cd/klm
at 80°: 392 cd/klm
at 90°: 11 cd/klm

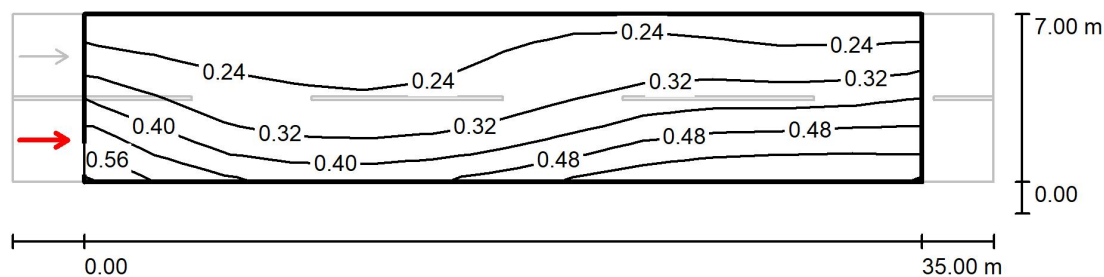
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with glare index class D.2.

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Aizputes iela, kalns / Aizputes ielas kalns / Observer 1 / Isolines (L)



Values in Candela/m², Scale 1 : 294

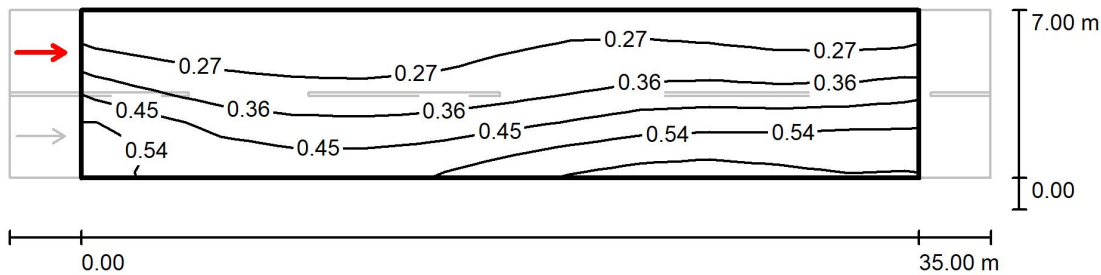
Grid: 12 x 6 Points
Observer Position: (-60.000 m, 1.750 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.34	0.57	0.58	13
Required values according to class ME6:	≥ 0.30	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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Aizputes iela, kalns / Aizputes ielas kalns / Observer 2 / Isolines (L)



Values in Candela/m², Scale 1 : 294

Grid: 12 x 6 Points
Observer Position: (-60.000 m, 5.250 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m ²]	U0	UI	TI [%]
Calculated values:	0.38	0.54	0.79	10
Required values according to class ME6:	≥ 0.30	≥ 0.35	≥ 0.40	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓