

MUNICIPIO DE AUGUSTO DE LIMA
PROJETO LUMINOTECNICO

Via Local – Via Tipo IV – Tipo V

Luminária: 25 W
Altura: 7 m
Distância entre Postes: 30 m
Via: 8 m
Calçada: 1,5 m
Braço: 2 m

Rua/Av.: Via Local Classificação de
Via/Lux: V5 / 5 lx Classificação de
Calçada/Lux: P4 / 3 lx

Operator
Telephone
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e-Mail

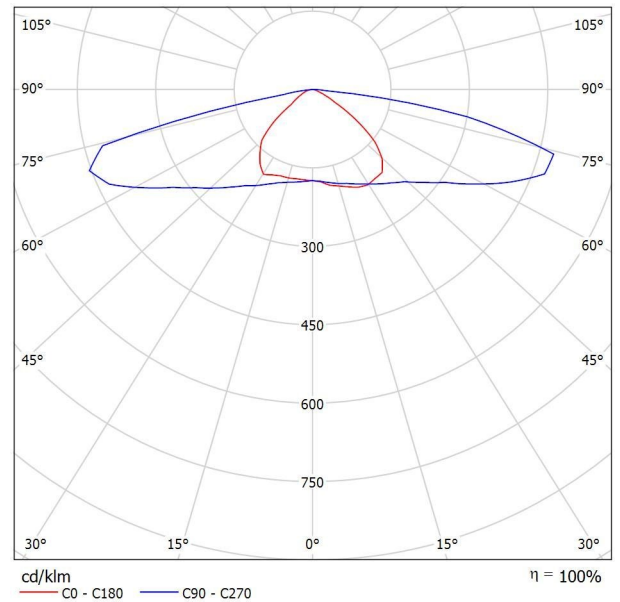
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Luminaria17W / Luminaire DataSheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 32 66 93 100 100

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

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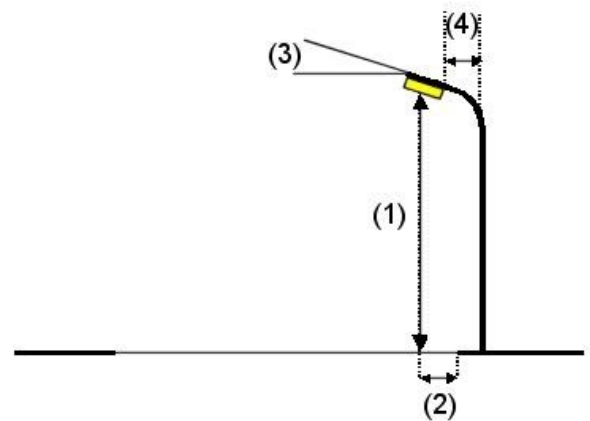
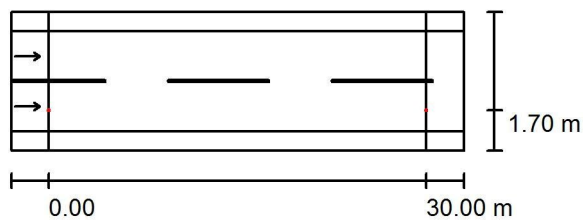
ProjetoLuminotécnico/Planningdata

Street Profile

Calçada Oposta	(Width: 1.500 m)
Via	(Width: 8.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
Calçada	(Width: 1.500 m)

Maintenance factor: 1.00

Luminaire Arrangements



Luminaire:	Luminária 25 W
Luminous flux (Luminaire):	4250 lm
Luminous flux (Lamps):	4250 lm
Luminaire Wattage:	25.0 W
Arrangement:	Single row, bottom
Pole Distance:	30.000 m
Mounting Height (1):	7.000 m
Height:	6.900 m
Overhang (2):	1.700 m
Boom Angle (3):	0.0 °
Boom Length (4):	2.000 m

Maximum luminous intensities

at 70°:	743 cd/klm
at 80°:	864 cd/klm
at 90°:	18 cd/klm

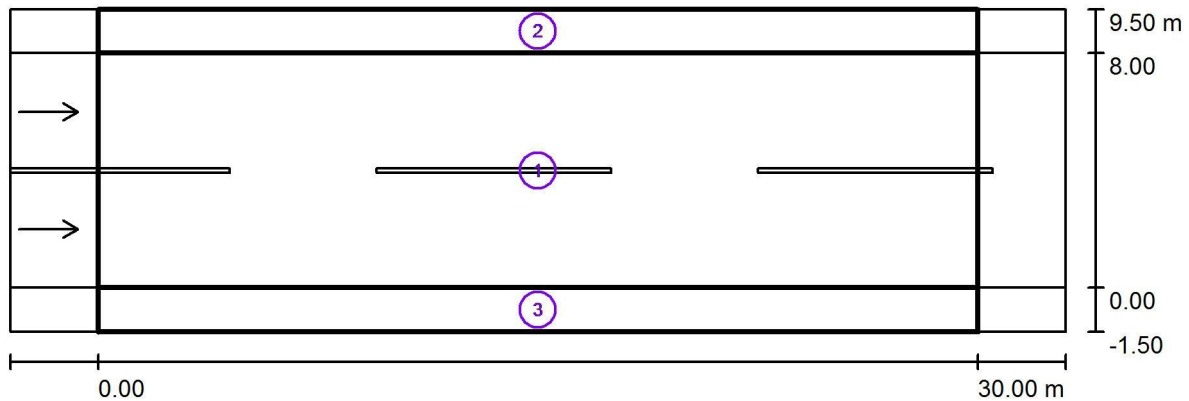
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 95°.

Arrangement complies with glare index class D.4.

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ProjetoLuminotécnico/PhotometricResults



Maintenance factor: 1.00

Scale 1:258

Calculation Field List

- 1 Via
Length: 30.000 m, Width: 8.000 m
Grid: 10 x 6 Points
Accompanying Street Elements: Via.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

(Not all lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	0.51	0.49	0.75	14	0.64
Required values according to class:	≥ 0.50	≥ 0.40	≥ 0.60	≤ 15	≥ 0.00
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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ProjetoLuminotécnico/PhotometricResults

Calculation Field List

2 Calçada Oposta

Length: 30.000 m, Width: 1.500 m

Grid: 10 x 3 Points

Accompanying Street Elements: Calçada Oposta.

Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	3.74	0.76
Required values according to class:	≥ 3.00	≥ 0.20
Fulfilled/Not fulfilled:	✓	✓

3 Calçada

Length: 30.000 m, Width: 1.500 m

Grid: 10 x 3 Points

Accompanying Street Elements: Calçada.

Selected Lighting Class: CE5 (All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	4.84	0.43
Required values according to class:	≥ 3.00	≥ 0.20
Fulfilled/Not fulfilled:	✓	✓

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ProjetoLuminotécnico/3D Rendering



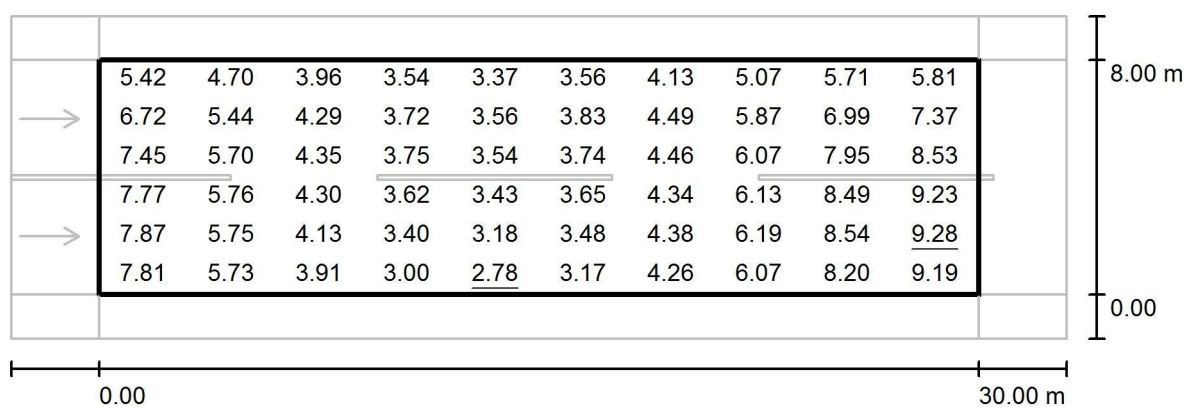
Operator
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e-Mail

ProjetoLuminotécnico/FalseColourRendering



Operator
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Fax
e-Mail

Projeto Luminotécnico/Via/ValueChart(E)



Values in Lux, Scale 1 : 258

Grid: 10 x 6 Points

E_{av} [lx]
5.34

E_{min} [lx]
2.78

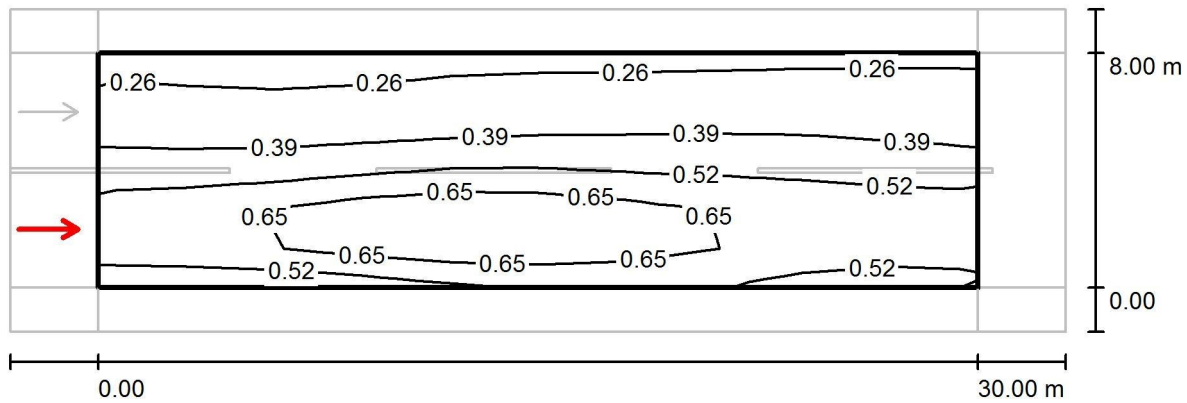
E_{max} [lx]
9.28

u_0
0.521

E_{min} / E_{max}
0.300

Operator
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e-Mail

ProjetoLuminotécnico/Via/Observador1/Isolines(L)



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points

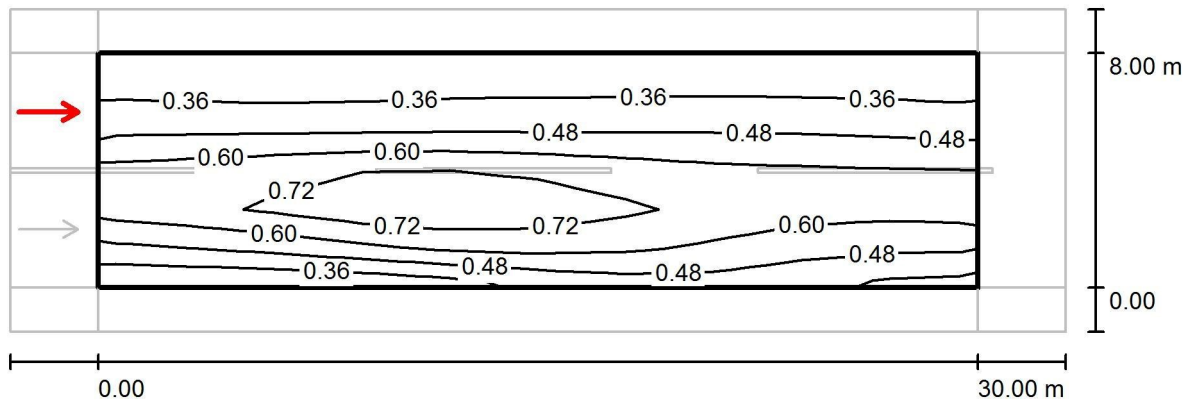
Observer Position: (-60.000 m, 2.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.51	0.49	0.75	14
Required values according to class ME4a:	≥ 0.50	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
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ProjetoLuminotécnico/Via/Observador2/Isolines(L)



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points

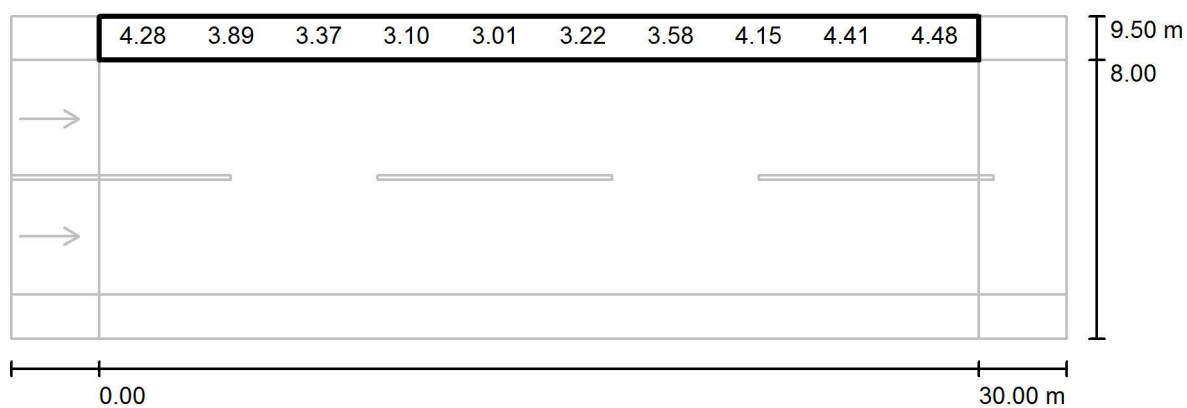
Observer Position: (-60.000 m, 6.000 m, 1.500 m)

tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.52	0.51	0.91	13
Required values according to class ME4a:	≥ 0.50	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
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Fax
e-Mail

ProjetoLuminotécnico/CalçadaOposta/ValueChart(E)



Not all calculated values could be displayed.

Values in Lux, Scale 1 : 258

Grid: 10 x 3 Points

E_{av} [lx]
3.74

E_{min} [lx]
2.84

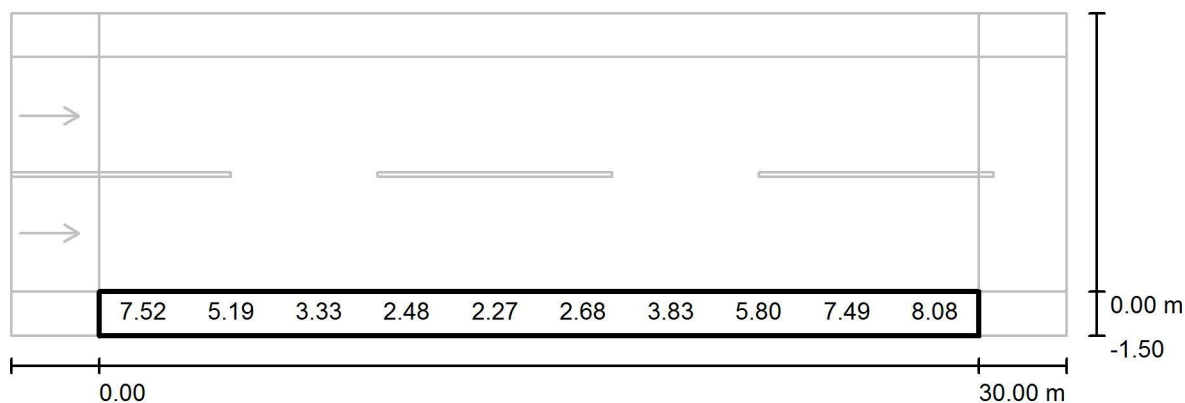
E_{max} [lx]
4.96

u_0
0.760

E_{min} / E_{max}
0.574

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ProjetoLuminotécnico/Calçada/ValueChart(E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

E_{av} [lx]
4.84

E_{min} [lx]
2.10

E_{max} [lx]
8.44

u_0
0.433

E_{min} / E_{max}
0.248