Pasaj peste AUTOSTRADA – BUZAU - FOCSANI

Caracteristici strada: 2x3.5m+1.6m+2x3.5m
Clasa de iluminat: ME2a
MF: 0.80
Date proiectare:
- aranjament bilateral fata in fata
- distanta intre stalpi: 30m
- inaltimea de montaj a corpului: 10m
- retragere stalp: 1m
- lungime consola: 1m
- unghi de inclinare corp: 5 grade

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

Date:
Operator:

Operator
Telephone
Fax
e-Mail

Table of contents

Pasaj peste autostrada
Project Cover 1
Table of contents 2
Pasaj peste autostrada
Planning data 3
Photometric Results 4
3D Rendering 6
False Color Rendering 7
Valuation Fields
Valuation Field Roadway 1
Results overview 8
Observer
Observer 1
Isolines (L) 9
Observer 2
Isolines (L) 10
Valuation Field Roadway 2
Results overview 11
Observer
Observer 3
Isolines (L) 12
Observer 4
Isolines (L) 13

Operator
Telephone
Fax
e-Mail

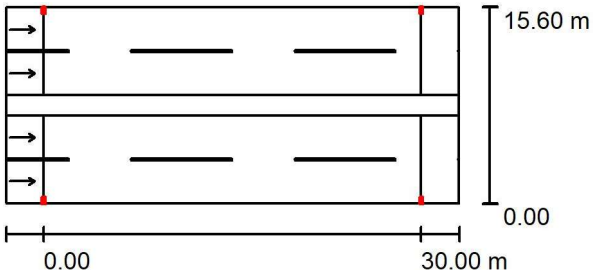
Pasaj peste autostrada / Planning data

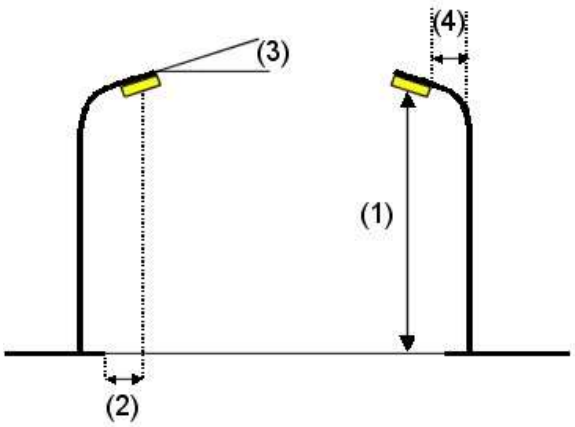
Street Profile

Roadway 2	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
Median 1	(Width: 1.600 m, Height: 0.000 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.80

Luminaire Arrangements





Luminaire:	PHILIPS BGP702 1 xLED150-4S/740 DN10
Luminous flux (Luminaire):	4500 lm
Luminous flux (Lamps):	5000 lm
Luminaire Wattage:	150 W
Arrangement:	Double row, opposing
Pole Distance:	30.000 m
Mounting Height (1):	10.000 m
Height:	10.041 m
Overhang (2):	0.361 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.000 m

Maximum luminous intensities

at 70°:	597 cd/klm
at 80°:	275 cd/klm
at 90°:	0.14 cd/klm

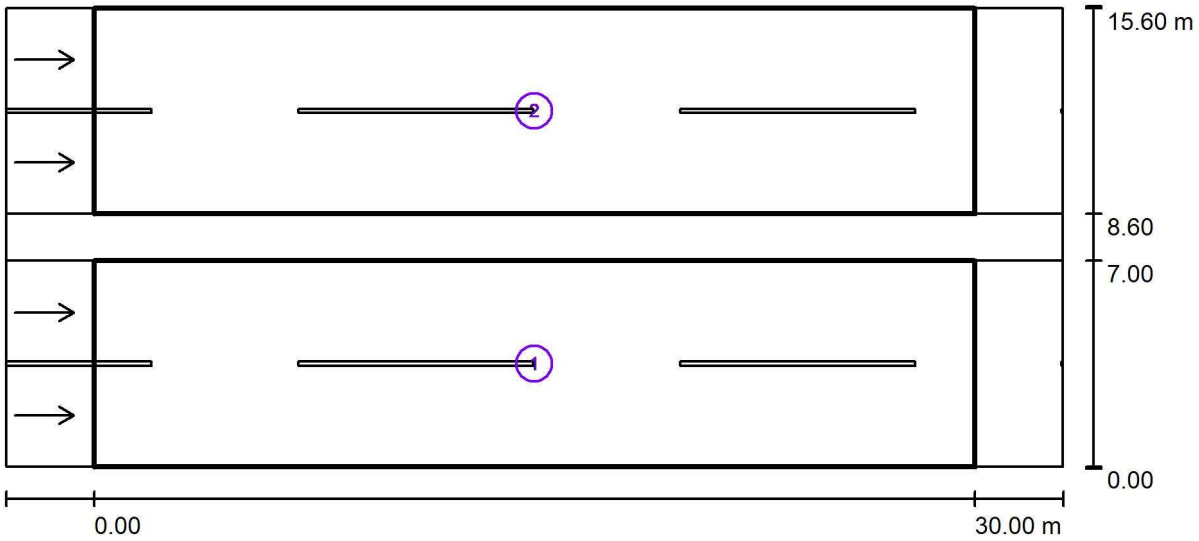
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

No luminous intensities above 95°.

Arrangement complies with glare index class D.6.

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Photometric Results



Light loss factor: 0.80

Scale 1:258

Calculation Field List

1 Valuation Field Roadway 1
Length: 30.000 m, Width: 7.000 m
Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 1.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a (All lighting performance requirements are met.)

	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.78	0.84	0.91	8	0.89
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Photometric Results

Calculation Field List

2 Valuation Field Roadway 2
Length: 30.000 m, Width: 7.000 m
Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 2.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a (All lighting performance requirements are met.)

	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.78	0.84	0.91	8	0.89
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

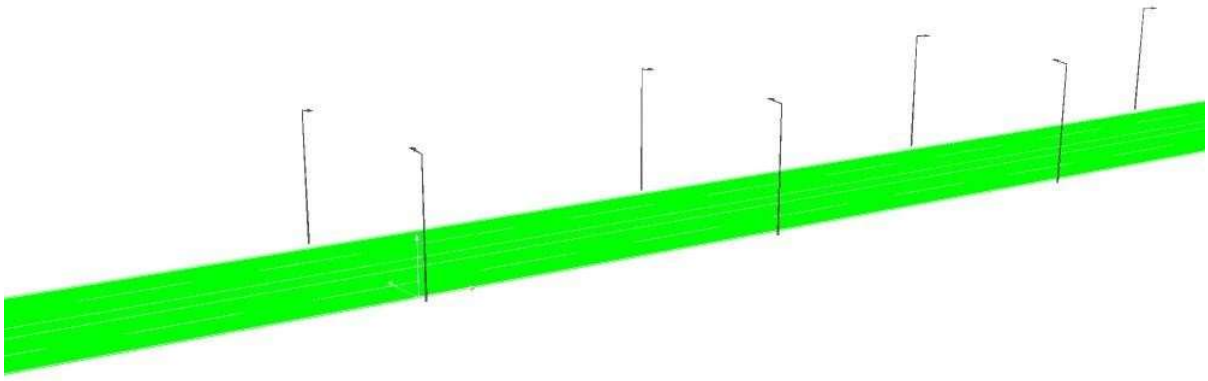
Operator
Telephone
Fax
e-Mail

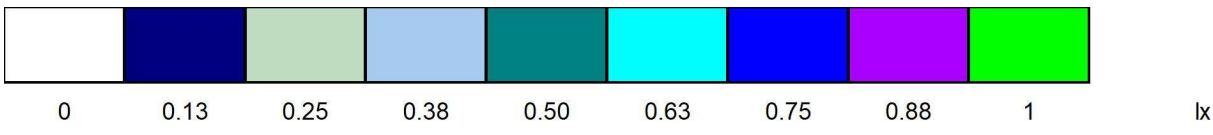
Pasaj peste autostrada - traseu secundar / 3D Rendering



Operator
Telephone
Fax
e-Mail

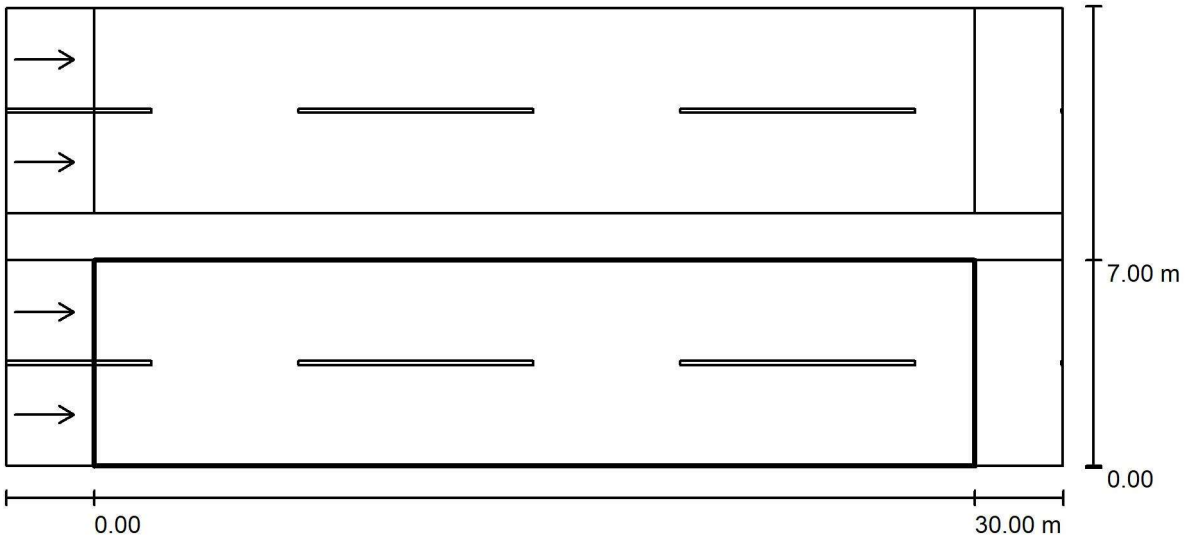
Pasaj peste autostrada - traseu secundar / False Color Rendering





Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 1 / Results overview



Light loss factor: 0.80

Scale 1:258

Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 1.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

(All lighting performance requirements are met.)

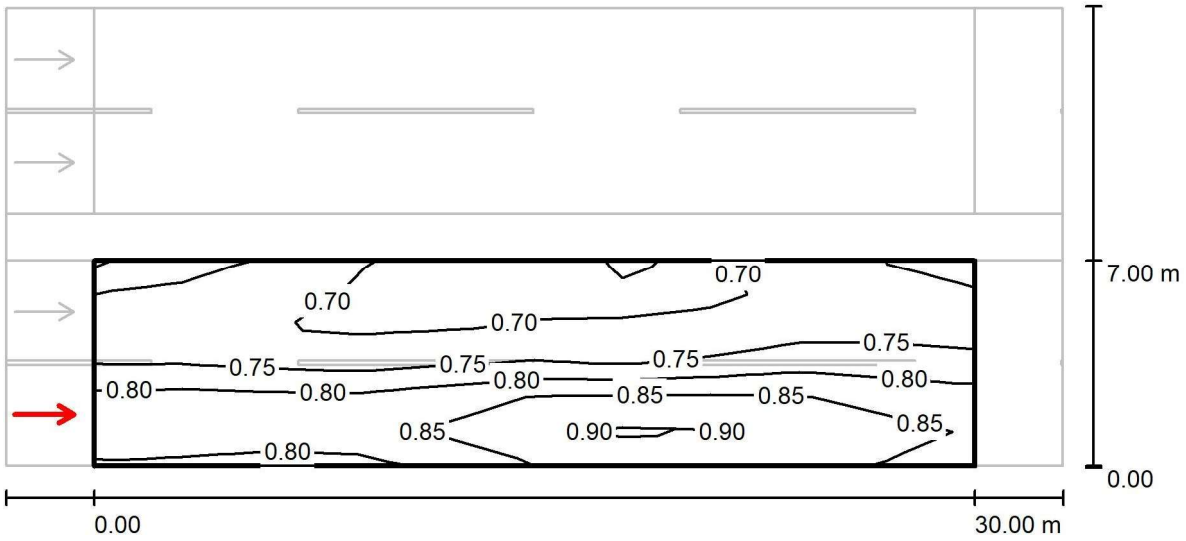
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.78	0.84	0.91	8	0.89
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 1	(-60.000, 1.750, 1.500)	0.78	0.88	0.91	6
2	Observer 2	(-60.000, 5.250, 1.500)	0.82	0.84	0.94	8

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 1 / Observer 9 / Isolines (L)



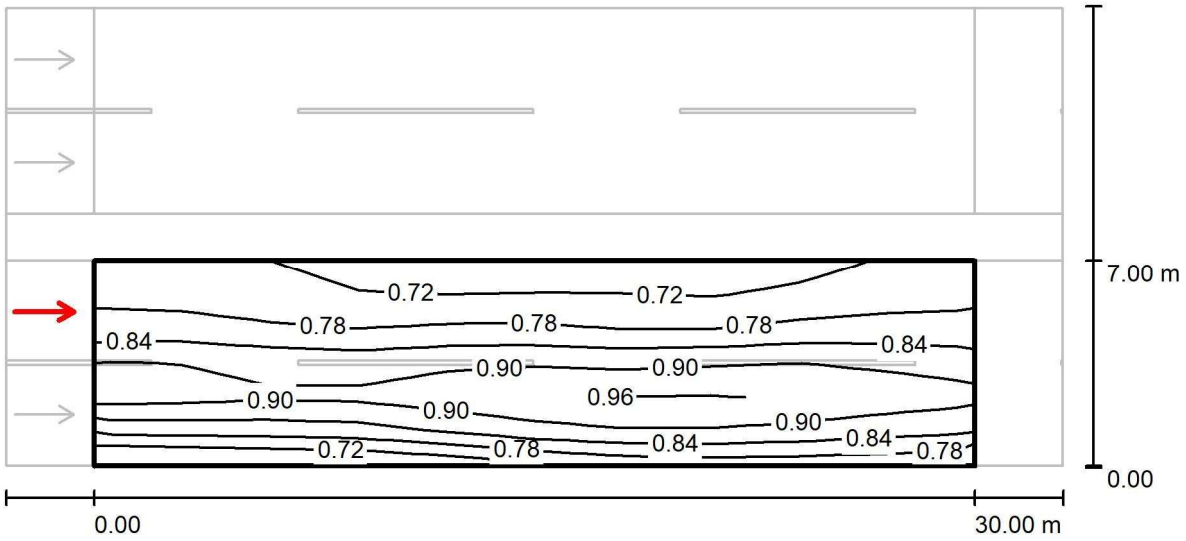
Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 1.750 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.78	0.88	0.91	6
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 1 / Observer 10 / Isolines (L)



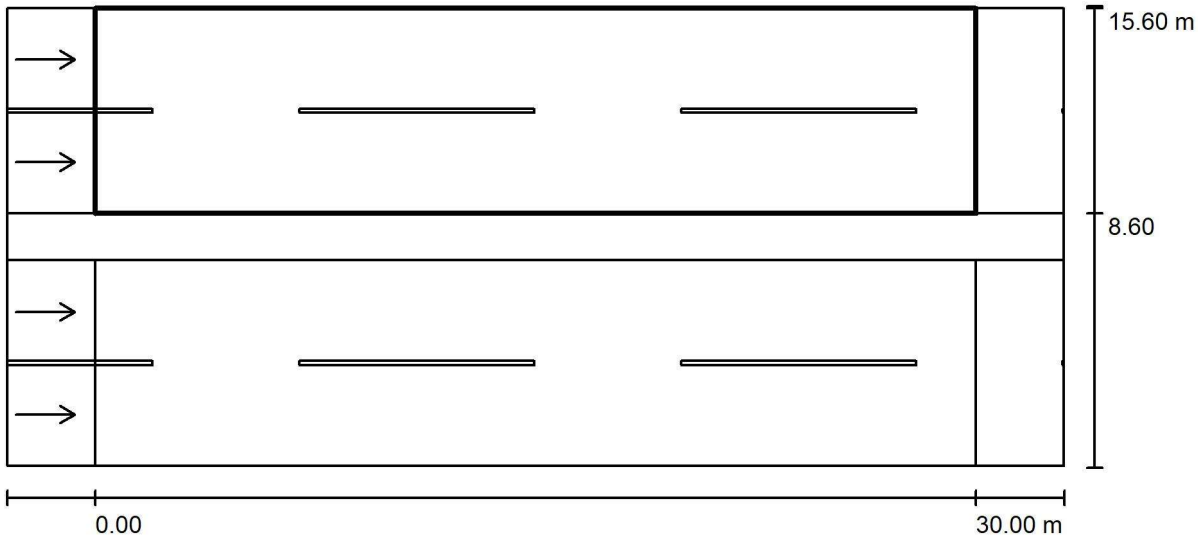
Values in Candela/m², Scale 1 : 258

Grid: 10 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:	0.82	0.84	0.94	8
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 2 / Results overview



Light loss factor: 0.80

Scale 1:258

Grid: 10 x 6 Points
Accompanying Street Elements: Roadway 2.
tarmac: R3, q0: 0.070
Selected Lighting Class: ME4a

(All lighting performance requirements are met.)

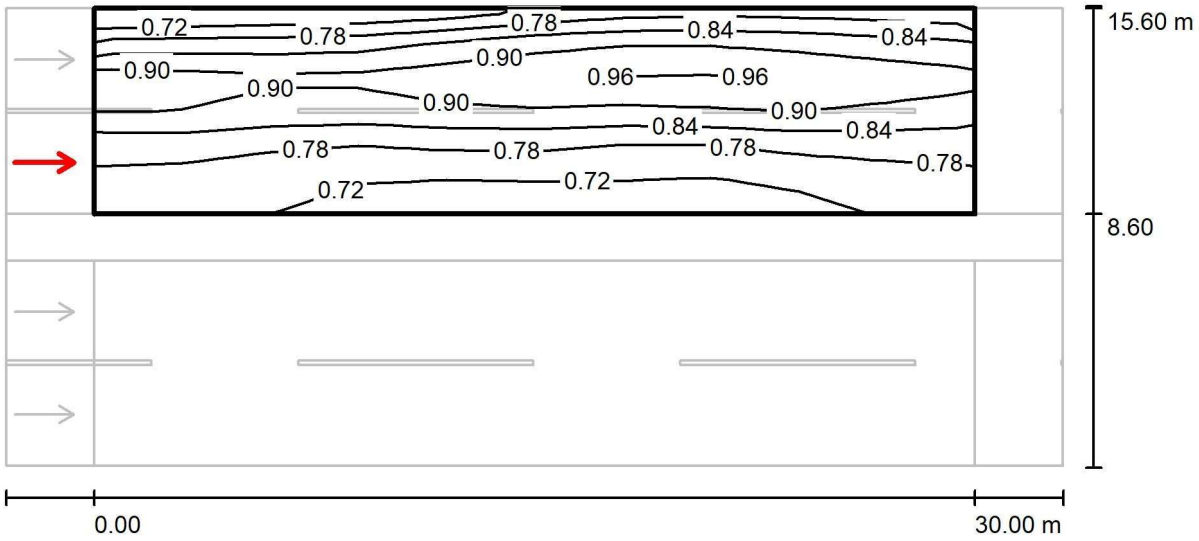
	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	0.78	0.84	0.91	8	0.89
Required values according to class:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

Assigned observer (2 Pieces):

No.	Observer	Position [m]	L_{av} [cd/m²]	U0	Ul	TI [%]
1	Observer 3	(-60.000, 10.350, 1.500)	0.82	0.84	0.94	8
2	Observer 4	(-60.000, 13.850, 1.500)	0.78	0.88	0.91	6

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 2 / Observer 12 / Isolines (L)



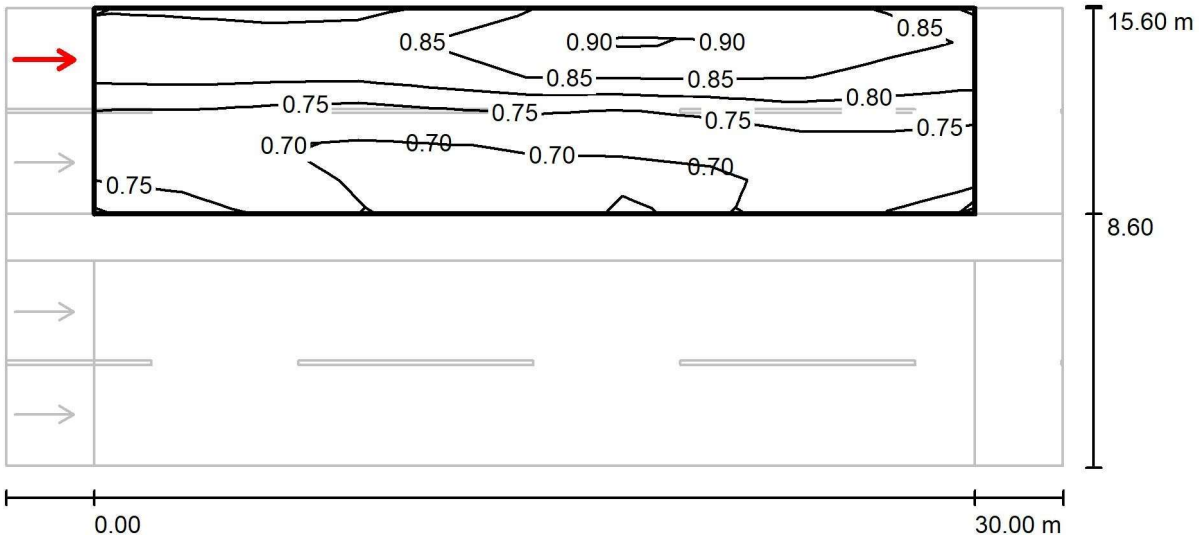
Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 10.350 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.82	0.84	0.94	8
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓

Operator
Telephone
Fax
e-Mail

Pasaj peste autostrada - traseu secundar / Valuation Field Roadway 2 / Observer 13 / Isolines (L)



Values in Candela/m², Scale 1 : 258

Grid: 10 x 6 Points
Observer Position: (-60.000 m, 13.850 m, 1.500 m)
tarmac: R3, q0: 0.070

	L_{av} [cd/m²]	U0	UI	TI [%]
Calculated values:	0.78	0.88	0.91	6
Required values according to class ME4a:	≥ 0.75	≥ 0.40	≥ 0.60	≤ 15
Fulfilled/Not fulfilled:	✓	✓	✓	✓