Kursus Lampu Jalan Single sided (Arm 2.5m)

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

Date: 11.03.2021
Operator:

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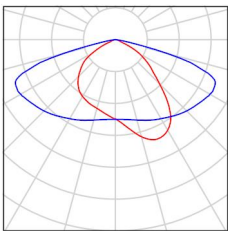
Kursus Lampu Jalan Single sided (Arm 2.5m) / Luminaire parts list

6 Pieces

Opulent Solutions Sdn. Bhd. ECOSPARKS
ESLC-170-730-147â€™63
Article No.:
Luminous flux (Luminaire): 21257 lm
Luminous flux (Lamps): 21257 lm
Luminaire Wattage: 165.3 W
Luminaire classification according to CIE: 100
CIE flux code: 43 79 98 100 100
Fitting: 1 x User defined (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.



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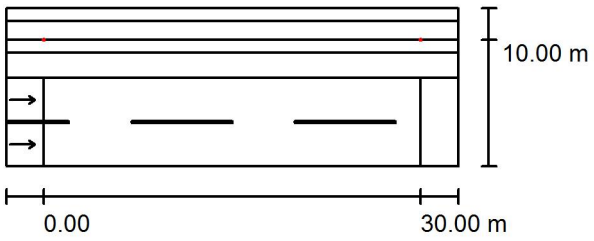
Street 1 / Planning data

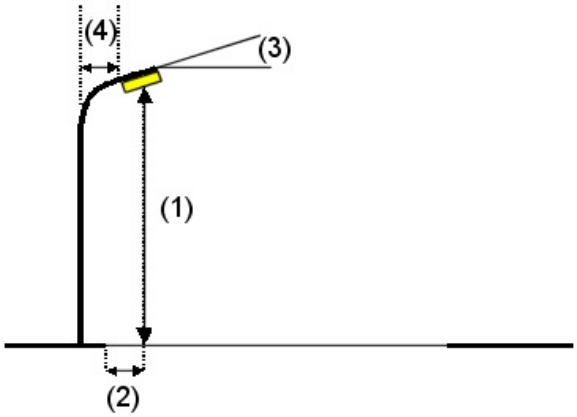
Street Profile

Guardrail to pole	(Width: 1.000 m)
Guardrail	(Width: 1.500 m)
Unpaved Shoulder	(Width: 1.000 m)
Paved Shoulder	(Width: 2.000 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.80

Luminaire Arrangements





Luminaire:	Opulent Solutions Sdn. Bhd. ECOSPARKS ESLC-170-730-147â€™63		
Luminous flux (Luminaire):	21257 lm	Maximum luminous intensities	
Luminous flux (Lamps):	21257 lm	at 70°:	455 cd/klm
Luminaire Wattage:	165.3 W	at 80°:	112 cd/klm
Arrangement:	Single row, top	at 90°:	1.52 cd/klm
Pole Distance:	30.000 m	Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	
Mounting Height (1):	10.100 m		
Height:	10.000 m	Arrangement complies with luminous intensity class G2.	
Overhang (2):	-2.991 m	Arrangement complies with glare index class D.4.	
Boom Angle (3):	5.0 °		
Boom Length (4):	2.500 m		

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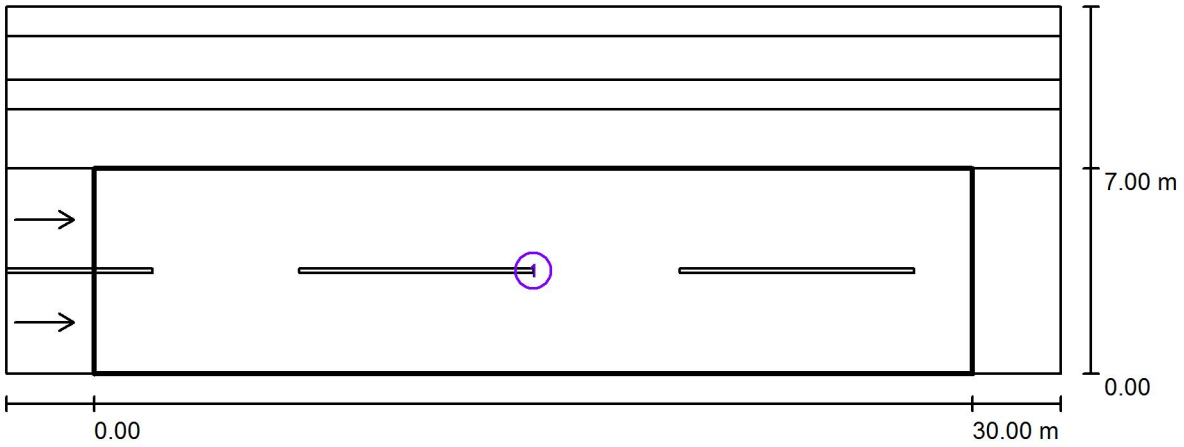
Street 1 / Photometric Results



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: ME2 (Not all lighting performance requirements are met.)

	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	1.45	0.48	0.85	11	0.79
Required values according to class:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 0.50
Fulfilled/Not fulfilled:	✗	✓	✓	✗	✓

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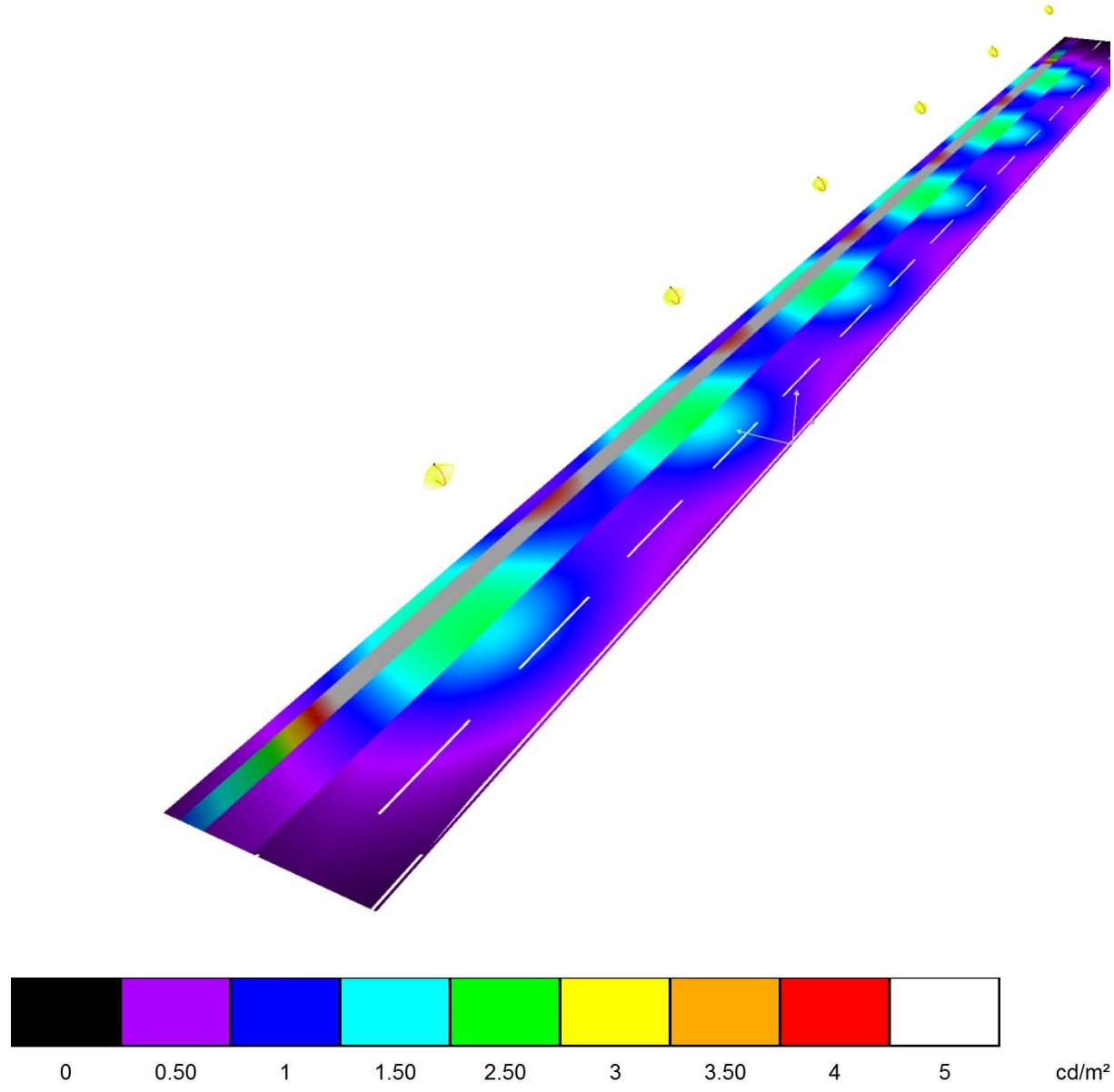
Street 1 / False Color Rendering



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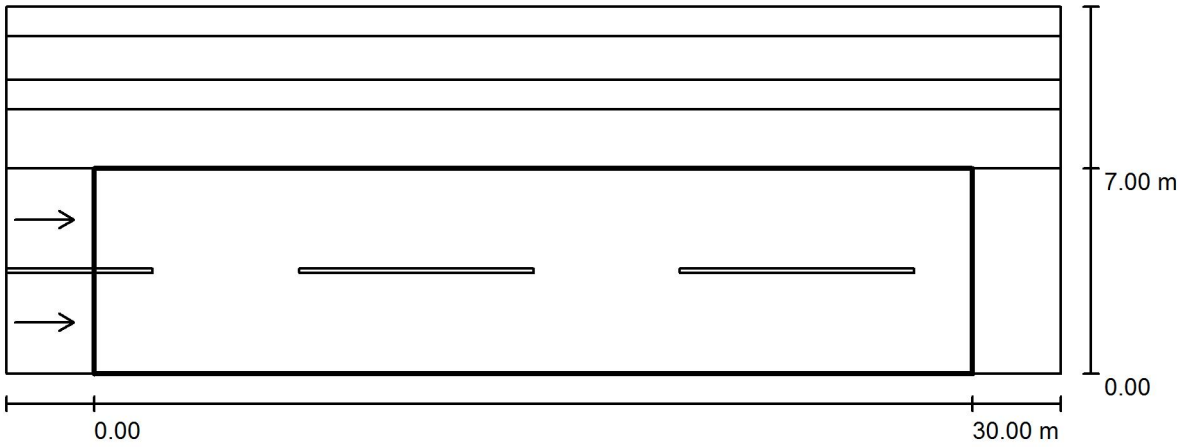
Street 1 / Valuation Field Roadway 1 / Results overview



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: ME2 (Not all lighting performance requirements are met.)

	L_{av} [cd/m²]	U0	Ul	TI [%]	SR
Calculated values:	1.45	0.48	0.85	11	0.79
Required values according to class:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10	≥ 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)	1.63	0.48	0.85	6
2	Observer 2	(-60.000, 5.250, 1.500)	1.45	0.51	0.89	11

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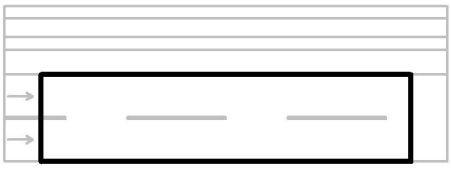
Street 1 / Valuation Field Roadway 1 / Table (E)



6.417	47	41	32	27	23	23	27	32	41	47
5.250	45	39	32	26	23	23	26	32	39	45
4.083	40	35	29	24	22	22	24	29	35	40
2.917	34	30	25	22	20	20	22	25	30	34
1.750	28	25	21	19	17	17	19	21	25	28
0.583	22	20	18	15	14	14	15	18	20	22
m	**1.500**	**4.500**	**7.500**	**10.500**	**13.500**	**16.500**	**19.500**	**22.500**	**25.500**	**28.500**

Attention: The coordinates refer to the image above. Values in Lux.

Grid: 10 x 6 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
27	14	47	0.528	0.305

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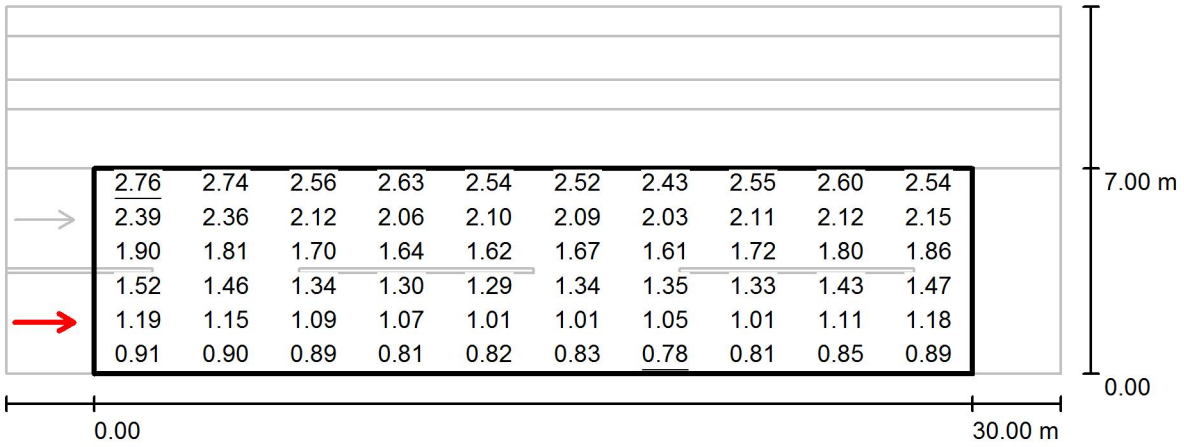
Street 1 / Valuation Field Roadway 1 / Observer 1 / Value Chart (L)



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	Ul	TI [%]
Calculated values:	1.63	0.48	0.85	6
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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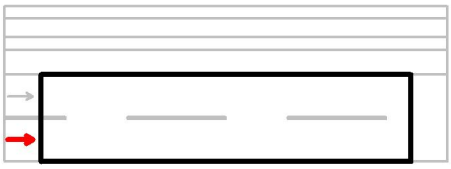
Street 1 / Valuation Field Roadway 1 / Observer 1 / Table (L)



6.417	2.76	2.74	2.56	2.63	2.54	2.52	2.43	2.55	2.60	2.54
5.250	2.39	2.36	2.12	2.06	2.10	2.09	2.03	2.11	2.12	2.15
4.083	1.90	1.81	1.70	1.64	1.62	1.67	1.61	1.72	1.80	1.86
2.917	1.52	1.46	1.34	1.30	1.29	1.34	1.35	1.33	1.43	1.47
1.750	1.19	1.15	1.09	1.07	1.01	1.01	1.05	1.01	1.11	1.18
0.583	0.91	0.90	0.89	0.81	0.82	0.83	0.78	0.81	0.85	0.89
m	**1.500**	**4.500**	**7.500**	**10.500**	**13.500**	**16.500**	**19.500**	**22.500**	**25.500**	**28.500**

Attention: The coordinates refer to the image above. Values in Candela/m².

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:	1.63	0.48	0.85	6
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✓	✓	✓	✓

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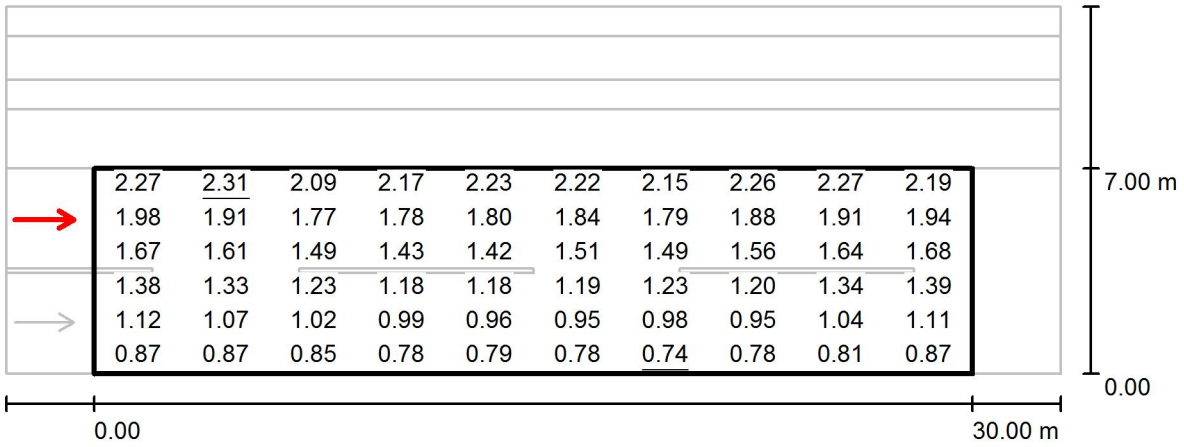
Street 1 / Valuation Field Roadway 1 / Observer 2 / Value Chart (L)



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	Ul	TI [%]
Calculated values:	1.45	0.51	0.89	11
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✗	✓	✓	✗

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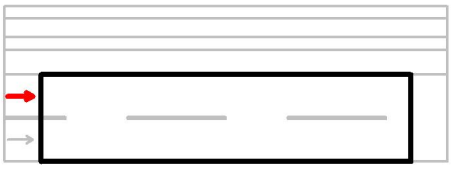
Street 1 / Valuation Field Roadway 1 / Observer 2 / Table (L)



6.417	2.27	2.31	2.09	2.17	2.23	2.22	2.15	2.26	2.27	2.19
5.250	1.98	1.91	1.77	1.78	1.80	1.84	1.79	1.88	1.91	1.94
4.083	1.67	1.61	1.49	1.43	1.42	1.51	1.49	1.56	1.64	1.68
2.917	1.38	1.33	1.23	1.18	1.18	1.19	1.23	1.20	1.34	1.39
1.750	1.12	1.07	1.02	0.99	0.96	0.95	0.98	0.95	1.04	1.11
0.583	0.87	0.87	0.85	0.78	0.79	0.78	0.74	0.78	0.81	0.87
m	**1.500**	**4.500**	**7.500**	**10.500**	**13.500**	**16.500**	**19.500**	**22.500**	**25.500**	**28.500**

Attention: The coordinates refer to the image above. Values in Candela/m².

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	Ul	Tl [%]
Calculated values:	1.45	0.51	0.89	11
Required values according to class ME2:	≥ 1.50	≥ 0.40	≥ 0.70	≤ 10
Fulfilled/Not fulfilled:	✗	✓	✓	✗