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Risipeni

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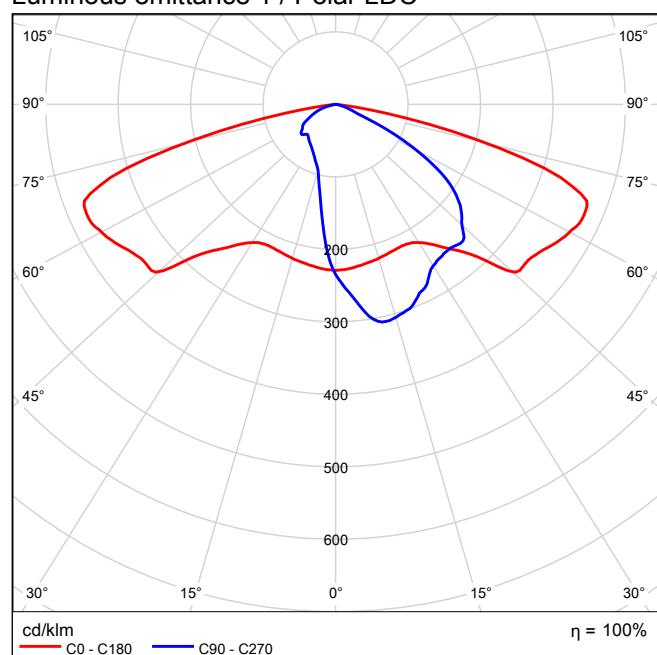
DIALux Micro Martin 70 W 16 LED MRUE 070 740 L22 A016 CSN WG1 1x16 LED / DIALux - MRUE 070 740 L22 A016 CSN WG1 (1x16 LED)

DIALux Micro Martin 70 W 16 LED MRUE 070 740 L22 A016 CSN WG1 1x16 LED

See our luminaire catalog for an image of the luminaire.

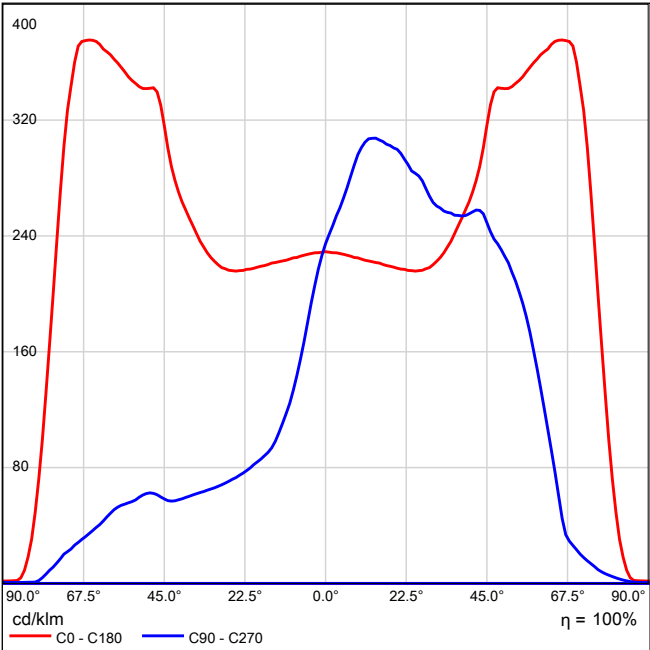
Light output ratio: 100%
Lamp luminous flux: 8087 lm
Luminaire luminous flux: 8087 lm
Power: 70.0 W
Luminous efficacy: 115.5 lm/W

Luminous emittance 1 / Polar LDC



DIALux Micro Martin 70 W 16 LED MRUE 070 740 L22 A016 CSN WG1 1x16 LED / DIALux - MRUE 070 740 L22 A016 CSN WG1 (1x16 LED)

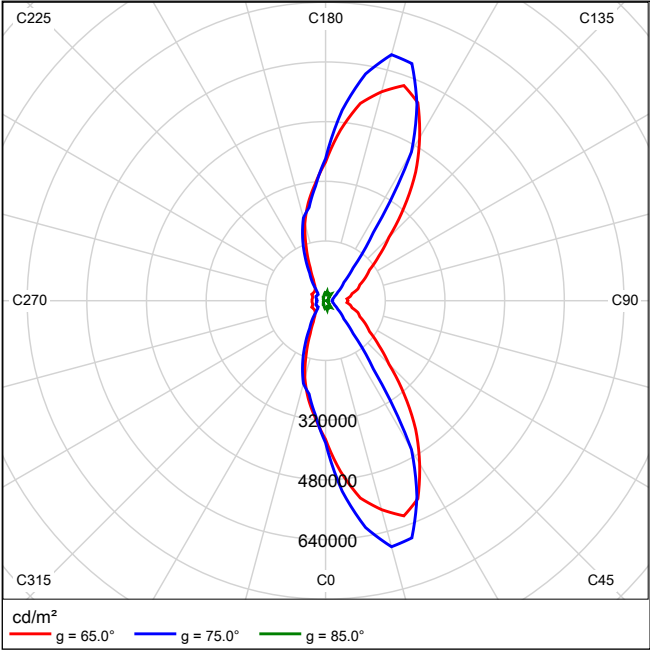
Luminous emittance 1 / Linear LDC



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

DIALux Micro Martin 70 W 16 LED MRUE 070 740 L22 A016 CSN WG1 1x16 LED / DIALux - MRUE 070 740 L22 A016 CSN WG1 (1x16 LED)

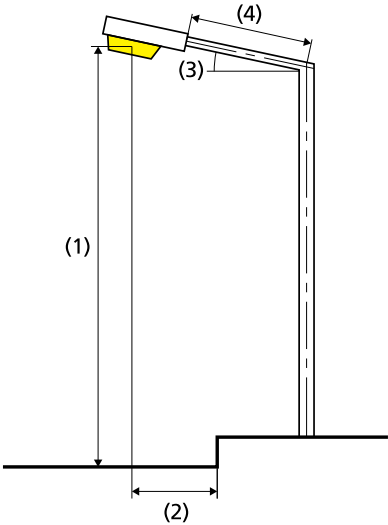
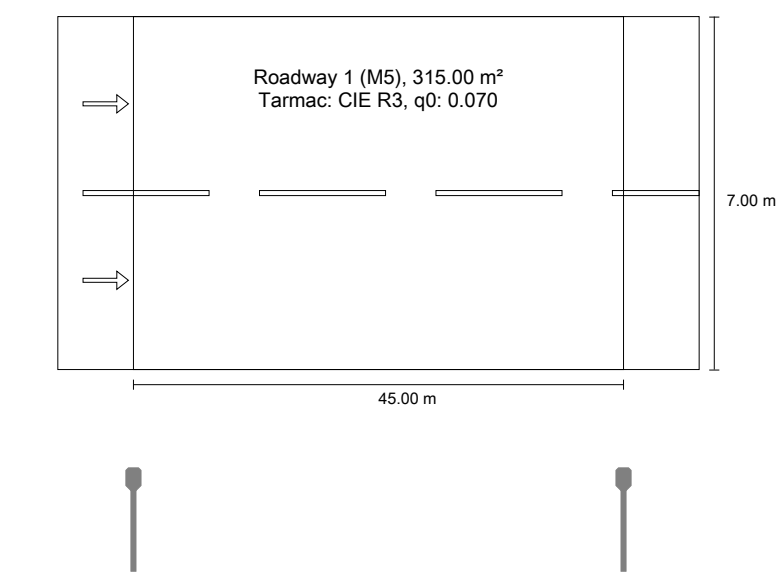
Luminous emittance 1 / Luminance diagram



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

Street 1 according to EN 13201:2015

DIALux Micro Martin 70 W 16 LED MRUE 070 740 L22 A016 CSN WG1



Results for valuation fields
Maintenance factor: 0.85

Roadway 1 (M5)				
Lm [cd/m²] ≥ 0.50	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 15	EIR ≥ 0.30
✓ 0.56	✓ 0.45	✓ 0.59	✓ 14	✓ 0.56

Results for energy efficiency indicators

Power density indicator (Dp)	0.024 W/lxm²
Energy consumption density	
Arrangement: MRUE 070 740 L22 A016 CSN WG1 (280.0 kWh/yr)	0.9 kWh/m² yr

Lamp:	1x16 LED
Luminous flux (luminaire):	8087.32 lm
Luminous flux (lamp):	8087.00 lm
Operating Hours	
4000 h:	100.0 %, 70.0 W
W/km:	1540.0
Arrangement:	single side bottom
Pole distance:	45.000 m
Boom inclination (3):	0.0°
Boom length (4):	1.800 m
Light centre height (1):	9.000 m
Light overhang (2):	-2.200 m

ULR:	0.00
ULOR:	0.00
Maximum luminous intensities	
at 70° and above	602 cd/klm *
at 80° and above	159 cd/klm *
at 90° and above	1.91 cd/klm *
Luminous intensity class:	G*1

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

* Luminous intensity values in [cd/klm] for calculating luminous intensity class refer to the output flux of the luminaire, according EN 13201:2015.

Arrangement complies with glare index class D.4

Roadway 1 (M5)

Maintenance factor: 0.85

Grid: 15 x 6 Points

Lm [cd/m²] ≥ 0.50	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 15	EIR ≥ 0.30
✓ 0.56	✓ 0.45	✓ 0.59	✓ 14	✓ 0.56

Assigned Observer (2):

Observer	Position [m]	Lm [cd/m²] ≥ 0.50	Uo ≥ 0.35	UI ≥ 0.40	TI [%] ≤ 15
Observer 1	(-60.000, 1.750, 1.500)	0.56	0.48	0.59	14
Observer 2	(-60.000, 5.250, 1.500)	0.63	0.45	0.68	8

Street 1: Alternative 1 / Roadway 1 (M5) / Table

Roadway 1 (M5)

Horizontal illuminance [lx]

6.417	8.32	7.96	7.36	6.57	5.65	4.89	4.44	4.34	4.44	4.89	5.65	6.57	7.36	7.96	8.32
5.250	10.0	9.81	9.31	8.09	6.64	5.51	4.81	4.59	4.81	5.51	6.64	8.09	9.31	9.81	10.0
4.083	12.1	12.2	11.5	9.55	7.48	5.86	4.95	4.69	4.95	5.86	7.48	9.55	11.5	12.2	12.1
2.917	14.8	14.8	13.8	10.6	7.85	5.94	4.94	4.64	4.94	5.94	7.85	10.6	13.8	14.8	14.8
1.750	18.3	17.3	15.5	11.1	7.92	5.85	4.81	4.50	4.81	5.85	7.92	11.1	15.5	17.3	18.3
0.583	21.5	18.5	15.7	11.2	7.60	5.59	4.57	4.27	4.57	5.59	7.60	11.2	15.7	18.5	21.5
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Grid: 15 x 6 Points

Em [lx]	Emin [lx]	Emax [lx]	g1	g2
9.22	4.27	21.5	0.463	0.199

Observer 1

Luminance with dry roadway [cd/m²]

6.417	0.27	0.27	0.28	0.29	0.28	0.29	0.30	0.35	0.37	0.37	0.37	0.33	0.31	0.29	0.28
5.250	0.33	0.33	0.35	0.35	0.33	0.34	0.36	0.40	0.45	0.46	0.47	0.45	0.41	0.36	0.34
4.083	0.40	0.41	0.42	0.42	0.40	0.40	0.42	0.48	0.52	0.56	0.61	0.61	0.55	0.48	0.42
2.917	0.49	0.51	0.51	0.49	0.46	0.47	0.51	0.56	0.63	0.69	0.77	0.77	0.74	0.61	0.52
1.750	0.60	0.61	0.60	0.57	0.57	0.59	0.64	0.69	0.80	0.87	0.96	0.95	0.95	0.76	0.64
0.583	0.74	0.71	0.69	0.67	0.68	0.73	0.84	0.95	1.03	1.09	1.15	1.14	1.09	0.90	0.77
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Grid: 15 x 6 Points

Lm [cd/m ²]	Lmin [cd/m ²]	Lmax [cd/m ²]	g1	g2
0.56	0.27	1.15	0.481	0.234

Luminance with new lamp [cd/m²]

6.417	0.32	0.32	0.33	0.34	0.33	0.34	0.36	0.41	0.43	0.44	0.43	0.39	0.37	0.34	0.33
5.250	0.39	0.38	0.41	0.41	0.39	0.40	0.42	0.48	0.53	0.54	0.55	0.54	0.48	0.42	0.40
4.083	0.47	0.48	0.49	0.50	0.47	0.47	0.49	0.56	0.61	0.65	0.72	0.72	0.64	0.56	0.49
2.917	0.58	0.60	0.59	0.57	0.54	0.55	0.60	0.66	0.75	0.81	0.90	0.91	0.87	0.72	0.61
1.750	0.71	0.71	0.70	0.67	0.67	0.69	0.76	0.81	0.94	1.03	1.13	1.12	1.12	0.90	0.75
0.583	0.87	0.83	0.81	0.79	0.80	0.86	0.99	1.12	1.21	1.28	1.35	1.34	1.28	1.06	0.91
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Grid: 15 x 6 Points

Lm [cd/m ²]	Lmin [cd/m ²]	Lmax [cd/m ²]	g1	g2
0.66	0.32	1.35	0.481	0.234

Observer 2

Luminance with dry roadway [cd/m²]

6.417	0.28	0.28	0.30	0.30	0.30	0.31	0.33	0.37	0.39	0.40	0.39	0.35	0.32	0.30	0.28
5.250	0.35	0.34	0.37	0.38	0.37	0.37	0.40	0.45	0.48	0.49	0.50	0.49	0.43	0.38	0.36
4.083	0.44	0.46	0.47	0.47	0.45	0.46	0.49	0.53	0.59	0.60	0.66	0.65	0.58	0.50	0.44
2.917	0.54	0.57	0.57	0.57	0.57	0.58	0.60	0.66	0.74	0.78	0.84	0.83	0.79	0.64	0.54
1.750	0.69	0.72	0.73	0.70	0.70	0.73	0.82	0.90	0.95	1.00	1.07	1.03	1.01	0.81	0.68
0.583	0.79	0.78	0.80	0.81	0.86	0.95	1.05	1.15	1.22	1.26	1.27	1.26	1.14	0.94	0.81
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Grid: 15 x 6 Points

Lm [cd/m ²]	Lmin [cd/m ²]	Lmax [cd/m ²]	g1	g2
0.63	0.28	1.27	0.447	0.221

Luminance with new lamp [cd/m²]

6.417	0.33	0.33	0.35	0.36	0.35	0.37	0.38	0.44	0.46	0.47	0.46	0.41	0.38	0.35	0.33
5.250	0.41	0.40	0.43	0.45	0.44	0.44	0.47	0.53	0.57	0.58	0.59	0.57	0.50	0.44	0.42
4.083	0.52	0.54	0.55	0.55	0.53	0.54	0.58	0.62	0.70	0.71	0.78	0.76	0.69	0.59	0.52
2.917	0.64	0.67	0.68	0.67	0.67	0.68	0.71	0.78	0.87	0.92	0.99	0.98	0.93	0.75	0.64
1.750	0.81	0.85	0.85	0.82	0.83	0.86	0.97	1.06	1.12	1.18	1.26	1.21	1.19	0.96	0.81
0.583	0.93	0.92	0.94	0.95	1.01	1.12	1.24	1.35	1.44	1.48	1.49	1.48	1.35	1.11	0.96
m	1.500	4.500	7.500	10.500	13.500	16.500	19.500	22.500	25.500	28.500	31.500	34.500	37.500	40.500	43.500

Grid: 15 x 6 Points

Lm [cd/m ²]	Lmin [cd/m ²]	Lmax [cd/m ²]	g1	g2
0.74	0.33	1.49	0.447	0.221