

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P751220

Luminaire Tested: LD4D60D010-EU4DR6555659030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3927.1 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

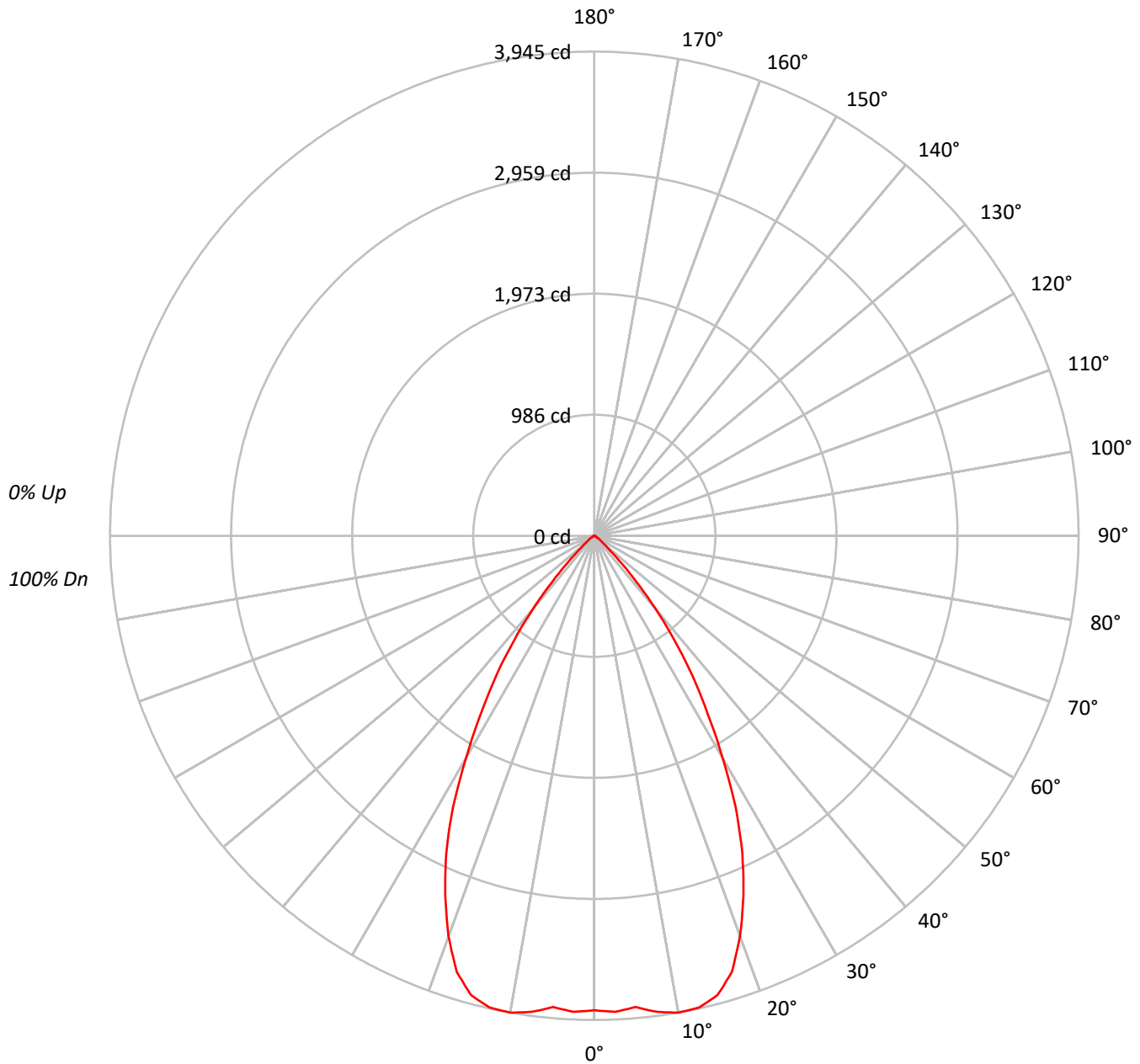


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422468
5°	422809
10°	437694
15°	438423
20°	403641
25°	343922
30°	263291
35°	186002
40°	109796
45°	44578
50°	16165
55°	9010
60°	5157
65°	2844
70°	2971
75°	2322
80°	2391
85°	2006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.3	9.5
10°-20°	1074.0	27.3
20°-30°	1288.6	32.8
30°-40°	865.9	22.1
40°-50°	259.3	6.6
50°-60°	45.8	1.2
60°-70°	13.0	0.3
70°-80°	6.3	0.2
80°-90°	2.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2734.8	69.6
0°-40°	3600.8	91.7
0°-60°	3905.8	99.5
0°-90°	3927.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3927.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3867	
5°	3855	372
15°	3876	1074
25°	2853	1289
35°	1394	866
45°	288	259
55°	47	46
65°	11	13
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3866.6
2.5°	3883.0
5°	3855.0
7.5°	3913.3
10°	3945.1
12.5°	3937.4
15°	3875.9
17.5°	3725.4
20°	3471.5
22.5°	3172.6
25°	2852.8
27.5°	2491.8
30°	2086.9
32.5°	1719.8
35°	1394.5
37.5°	1073.1
40°	769.8
42.5°	502.8
45°	288.5
47.5°	152.8
50°	95.1
52.5°	65.9
55°	47.3
57.5°	34.1
60°	23.6
62.5°	15.4
65°	11.0
67.5°	9.9
70°	9.3
72.5°	7.1
75°	5.5
77.5°	4.9
80°	3.8
82.5°	2.7
85°	1.6
87.5°	1.1
90°	0.0



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— 0°-180°







(END OF REPORT)