

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: P773095

Luminaire Tested: LD6D85BD010-EU6DR6070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10516.7 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): 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

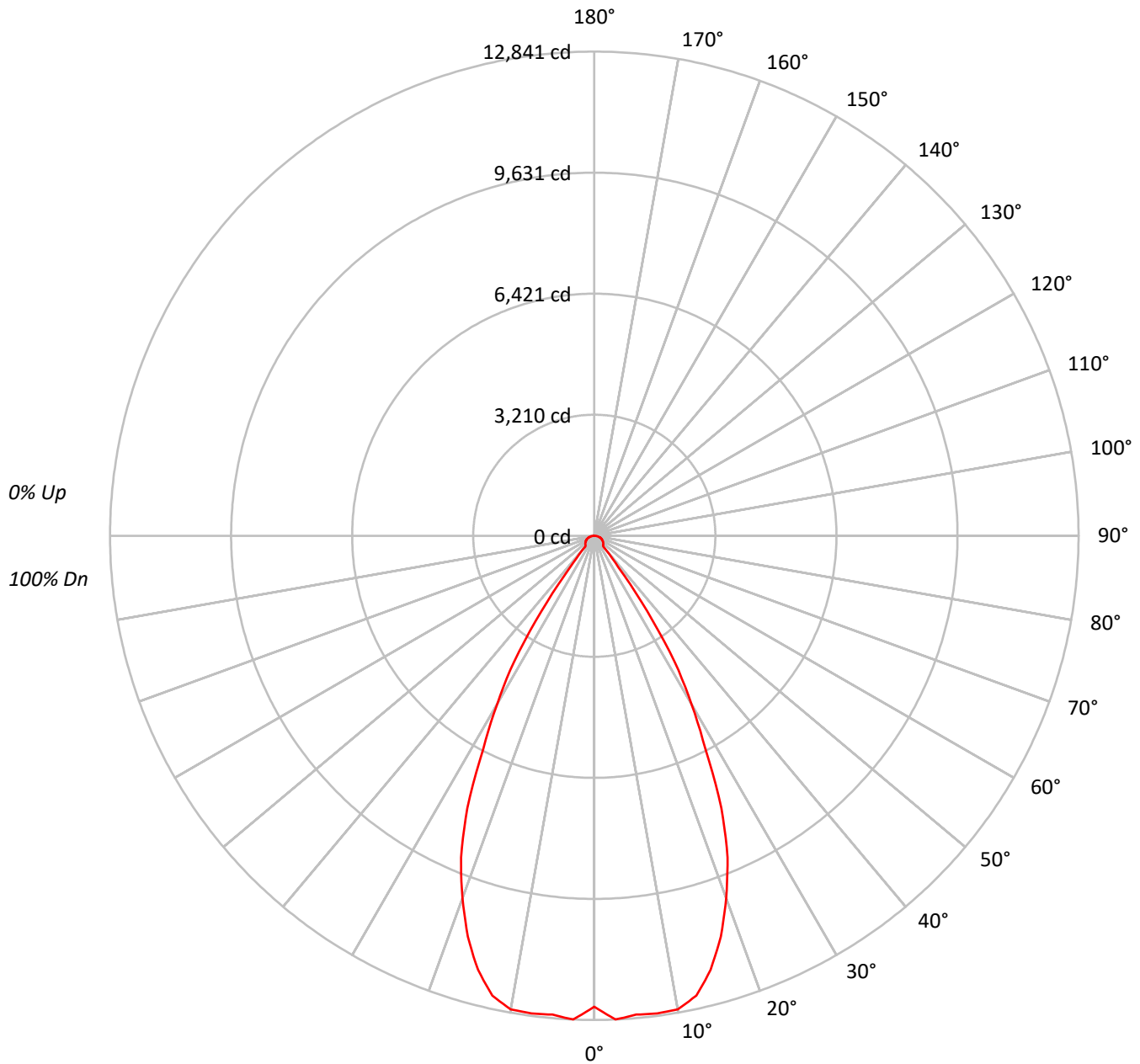


Downlight

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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1364667
5°	1398220
10°	1415109
15°	1348083
20°	1188588
25°	961373
30°	650284
35°	325854
40°	52859
45°	51733
50°	52779
55°	53566
60°	55046
65°	56308
70°	57630
75°	58341
80°	56251
85°	46886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 58341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1218.4	11.6
10°-20°	3296.5	31.3
20°-30°	3546.8	33.7
30°-40°	1541.7	14.7
40°-50°	258.9	2.5
50°-60°	251.8	2.4
60°-70°	215.3	2.0
70°-80°	144.1	1.4
80°-90°	43.1	0.4
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°	8061.8	76.7
0°-40°	9603.5	91.3
0°-60°	10114.2	96.2
0°-90°	10516.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10516.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12490	
5°	12748	###
15°	11918	3297
25°	7974	3547
35°	2443	1542
45°	335	259
55°	281	252
65°	218	215
75°	138	144
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12490.0
2.5°	12841.0
5°	12748.4
7.5°	12777.7
10°	12754.9
12.5°	12491.6
15°	11917.8
17.5°	11147.3
20°	10222.4
22.5°	9232.6
25°	7974.5
27.5°	6378.3
30°	5154.3
32.5°	3972.6
35°	2443.0
37.5°	1045.2
40°	370.6
42.5°	341.3
45°	334.8
47.5°	323.5
50°	310.5
52.5°	295.8
55°	281.2
57.5°	266.6
60°	251.9
62.5°	235.7
65°	217.8
67.5°	199.9
70°	180.4
72.5°	159.3
75°	138.2
77.5°	113.8
80°	89.4
82.5°	63.4
85°	37.4
87.5°	13.0
90°	0.0



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— 0°-180°







(END OF REPORT)