

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: P773184

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773184
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: LD6D85BD010-EU6DR6570959030-6LBDP1B
Description: 6 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: 6716.1 lumens
Efficiency: N/A
Efficacy: 76.6 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): 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

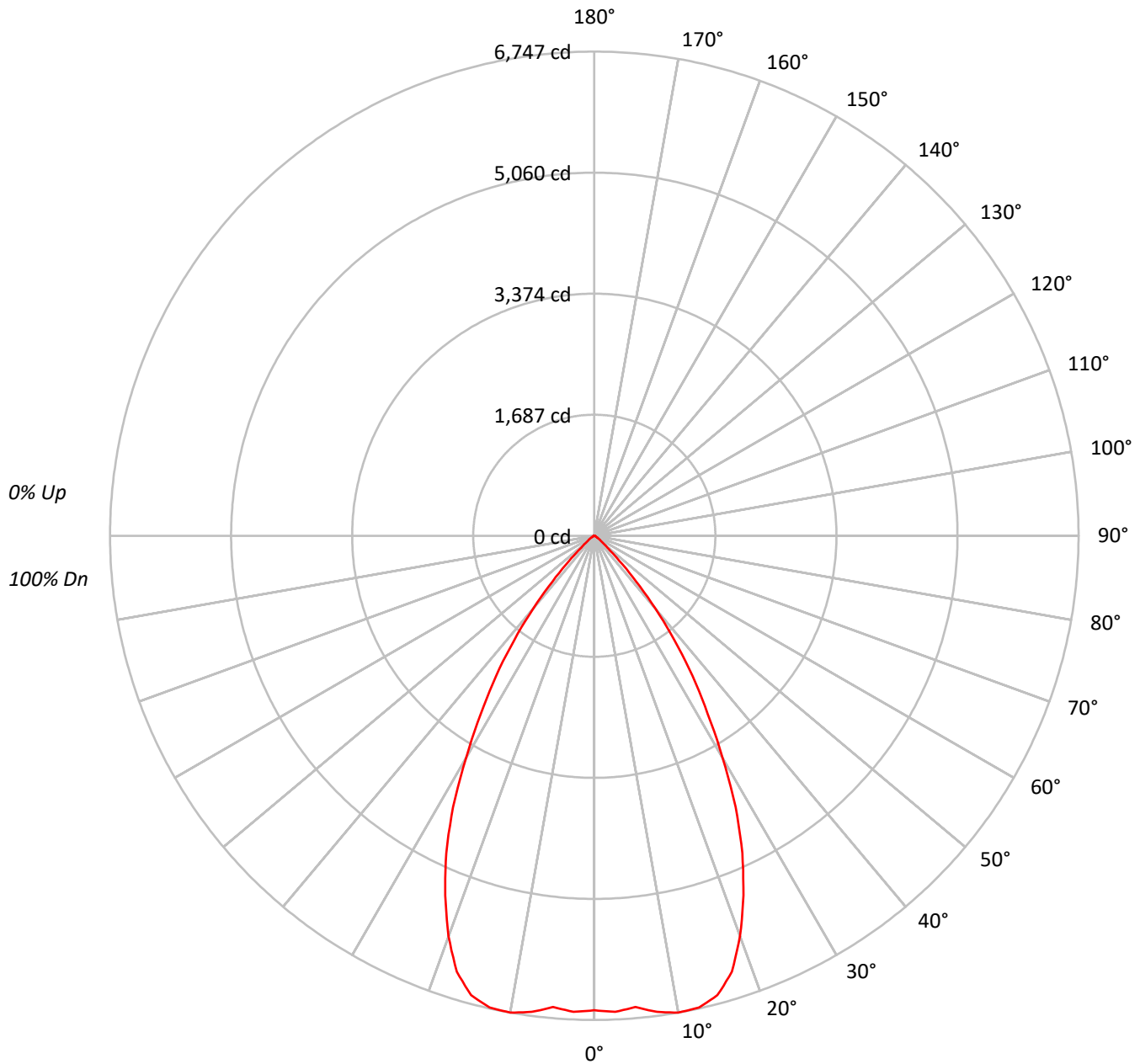


Downlight

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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	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°	722476
5°	723075
10°	748532
15°	749772
20°	690289
25°	588156
30°	450252
35°	318105
40°	187772
45°	76224
50°	27639
55°	15392
60°	8828
65°	4860
70°	5111
75°	3968
80°	4153
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76224 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.7	9.5
10°-20°	1836.6	27.3
20°-30°	2203.6	32.8
30°-40°	1480.9	22.1
40°-50°	443.3	6.6
50°-60°	78.3	1.2
60°-70°	22.2	0.3
70°-80°	10.9	0.2
80°-90°	3.5	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°	4677.0	69.6
0°-40°	6157.9	91.7
0°-60°	6679.5	99.5
0°-90°	6716.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6716.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6612	
5°	6593	637
15°	6628	1837
25°	4879	2204
35°	2385	1481
45°	493	443
55°	81	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6612.4
2.5°	6640.6
5°	6592.7
7.5°	6692.3
10°	6746.8
12.5°	6733.6
15°	6628.4
17.5°	6370.9
20°	5936.8
22.5°	5425.6
25°	4878.7
27.5°	4261.4
30°	3568.8
32.5°	2941.1
35°	2384.9
37.5°	1835.2
40°	1316.5
42.5°	859.8
45°	493.3
47.5°	261.2
50°	162.6
52.5°	112.8
55°	80.8
57.5°	58.3
60°	40.4
62.5°	26.3
65°	18.8
67.5°	16.9
70°	16.0
72.5°	12.2
75°	9.4
77.5°	8.5
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)