

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: P774211

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8882.6 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

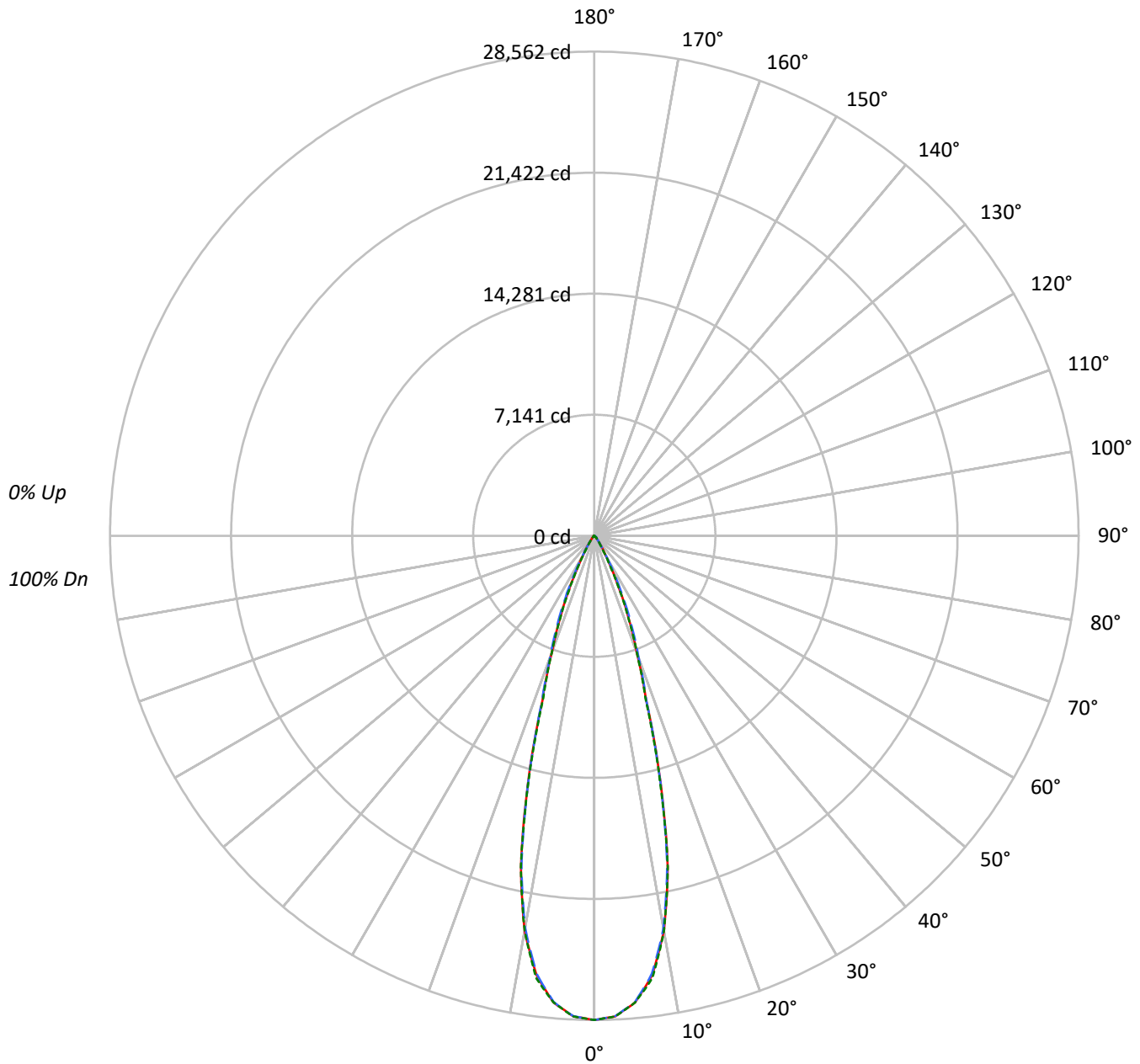


Downlight

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2186240	2186240	2186240
5°	2123480	2120998	2123587
10°	1839250	1826286	1838815
15°	1200025	1193574	1187576
20°	596712	619105	595914
25°	300580	338957	294423
30°	120345	131128	104851
35°	55822	53458	44815
40°	24101	26759	22702
45°	17006	21098	17157
50°	5847	15361	6180
55°	3363	6366	3550
60°	2358	2786	2358
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21098 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2511.6	28.3
10°-20°	4045.0	45.5
20°-30°	1747.9	19.7
30°-40°	398.4	4.5
40°-50°	136.8	1.5
50°-60°	33.4	0.4
60°-70°	8.6	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
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°	8304.5	93.5
0°-40°	8702.9	98.0
0°-60°	8873.1	99.9
0°-90°	8882.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8882.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28562	28562	28562	28562	28562	
5°	27637	27610	27604	27662	27638	2514
15°	15144	14961	15062	15013	14986	4055
25°	3559	3694	4013	3600	3486	1704
35°	597	610	572	568	480	405
45°	157	195	195	195	158	111
55°	25	27	48	28	27	25
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28562.1	28562.1	28562.1	28562.1	28562.1
2.5°	28372.8	28353.1	28364.4	28378.4	28384.0
5°	27636.6	27609.9	27604.3	27661.8	27638.0
7.5°	26151.5	26113.7	26056.2	26186.6	26308.6
10°	23663.8	23621.8	23497.0	23558.7	23658.2
12.5°	19991.2	19855.2	19852.4	20048.7	20022.1
15°	15143.5	14961.2	15062.1	15013.0	14986.4
17.5°	10183.5	10113.4	10248.0	10207.4	10032.1
20°	7325.6	7343.9	7600.5	7471.5	7315.8
22.5°	5345.6	5411.5	5715.8	5383.4	5261.4
25°	3559.0	3693.7	4013.4	3599.7	3486.1
27.5°	2189.0	2250.7	2574.6	2160.9	2099.2
30°	1361.6	1330.8	1483.6	1273.3	1186.3
32.5°	893.3	854.0	903.1	810.5	740.4
35°	597.4	610.0	572.1	567.9	479.6
37.5°	373.0	429.1	378.6	403.9	308.5
40°	241.2	311.3	267.8	295.9	227.2
42.5°	197.7	239.8	220.2	234.2	201.9
45°	157.1	194.9	194.9	194.9	158.5
47.5°	86.9	130.4	166.9	133.2	92.6
50°	49.1	65.9	129.0	68.7	51.9
52.5°	33.7	37.9	88.3	39.3	35.1
55°	25.2	26.6	47.7	28.0	26.6
57.5°	19.6	21.0	25.2	21.0	19.6
60°	15.4	15.4	18.2	16.8	15.4
62.5°	11.2	11.2	12.6	11.2	11.2
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)