

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: P774185

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774185
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-EU6DR3070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8532.2 lumens
Efficiency: N/A
Efficacy: 86.0 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

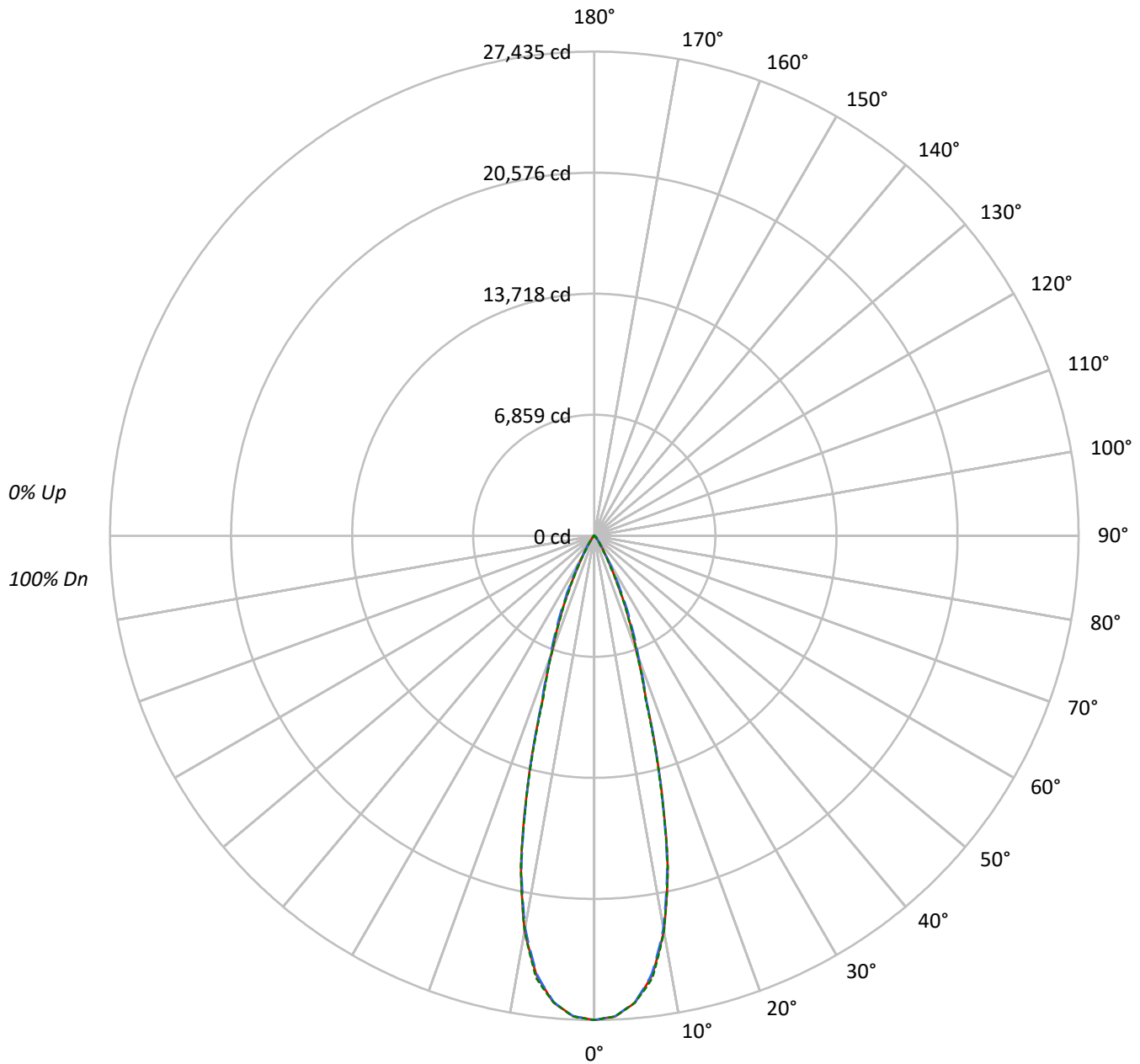


Downlight

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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°	2099991	2099991	2099991
5°	2039706	2037324	2039806
10°	1766694	1754235	1766275
15°	1152677	1146488	1140727
20°	573172	594676	572406
25°	288722	325587	282810
30°	115598	125957	100714
35°	53617	51356	43049
40°	23152	25709	21803
45°	16335	20264	16475
50°	5609	14754	5930
55°	3229	6112	3416
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20264 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2412.5	28.3
10°-20°	3885.4	45.5
20°-30°	1679.0	19.7
30°-40°	382.7	4.5
40°-50°	131.4	1.5
50°-60°	32.1	0.4
60°-70°	8.3	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°	7976.9	93.5
0°-40°	8359.6	98.0
0°-60°	8523.0	99.9
0°-90°	8532.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8532.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27435	27435	27435	27435	27435	
5°	26546	26521	26515	26570	26548	2415
15°	14546	14371	14468	14421	14395	3895
25°	3419	3548	3855	3458	3349	1636
35°	574	586	550	546	461	389
45°	151	187	187	187	152	107
55°	24	26	46	27	26	24
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°	27435.3	27435.3	27435.3	27435.3	27435.3
2.5°	27253.4	27234.6	27245.4	27258.8	27264.2
5°	26546.3	26520.7	26515.3	26570.5	26547.6
7.5°	25119.8	25083.5	25028.2	25153.5	25270.7
10°	22730.3	22689.9	22570.0	22629.3	22724.9
12.5°	19202.5	19071.9	19069.2	19257.8	19232.2
15°	14546.0	14370.9	14467.9	14420.8	14395.2
17.5°	9781.8	9714.4	9843.7	9804.7	9636.3
20°	7036.6	7054.1	7300.6	7176.7	7027.2
22.5°	5134.7	5198.0	5490.3	5171.1	5053.9
25°	3418.6	3547.9	3855.1	3457.7	3348.6
27.5°	2102.6	2161.9	2473.1	2075.7	2016.4
30°	1307.9	1278.3	1425.1	1223.1	1139.5
32.5°	858.0	820.3	867.5	778.6	711.2
35°	573.8	585.9	549.6	545.5	460.7
37.5°	358.3	412.2	363.7	387.9	296.3
40°	231.7	299.0	257.3	284.2	218.2
42.5°	189.9	230.3	211.5	224.9	194.0
45°	150.9	187.2	187.2	187.2	152.2
47.5°	83.5	125.3	160.3	128.0	88.9
50°	47.1	63.3	123.9	66.0	49.8
52.5°	32.3	36.4	84.9	37.7	33.7
55°	24.2	25.6	45.8	26.9	25.6
57.5°	18.9	20.2	24.2	20.2	18.9
60°	14.8	14.8	17.5	16.2	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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)