

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: P774213

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774213
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-EU6DR3070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11584.7 lumens
Efficiency: N/A
Efficacy: 116.8 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

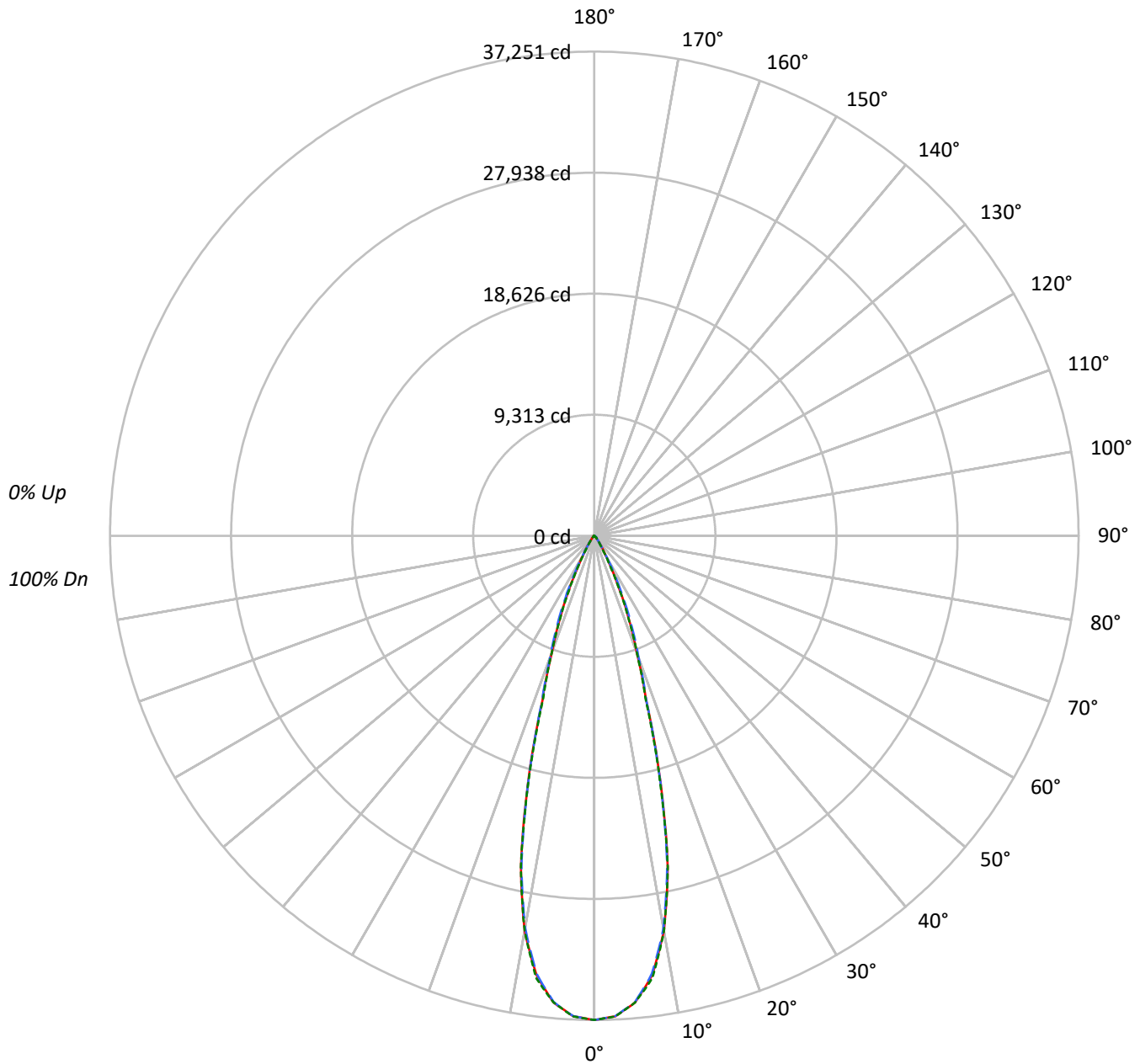


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2851287	2851287	2851287
5°	2769430	2766203	2769576
10°	2398748	2381835	2398180
15°	1565068	1556660	1548831
20°	778237	807430	777194
25°	392021	442070	383989
30°	156954	171024	136749
35°	72801	69727	58448
40°	31435	34902	29606
45°	22169	27517	22375
50°	7621	20041	8062
55°	4390	8301	4631
60°	3077	3643	3077
65°	1992	1992	1992
70°	1231	828	1231
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27517 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3275.6	28.3
10°-20°	5275.4	45.5
20°-30°	2279.7	19.7
30°-40°	519.6	4.5
40°-50°	178.4	1.5
50°-60°	43.6	0.4
60°-70°	11.3	0.1
70°-80°	1.2	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°	10830.7	93.5
0°-40°	11350.3	98.0
0°-60°	11572.3	99.9
0°-90°	11584.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11584.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37251	37251	37251	37251	37251	
5°	36044	36009	36002	36076	36045	3278
15°	19750	19512	19644	19580	19545	5288
25°	4642	4817	5234	4695	4547	2222
35°	779	796	746	741	626	528
45°	205	254	254	254	207	145
55°	33	35	62	37	35	32
65°	11	11	11	11	11	11
75°	0	0	2	0	0	2
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°	37250.6	37250.6	37250.6	37250.6	37250.6
2.5°	37003.7	36978.1	36992.7	37011.0	37018.3
5°	36043.5	36008.8	36001.5	36076.5	36045.4
7.5°	34106.8	34057.4	33982.4	34152.5	34311.6
10°	30862.3	30807.5	30644.7	30725.2	30855.0
12.5°	26072.5	25895.1	25891.4	26147.5	26112.7
15°	19750.1	19512.3	19644.0	19580.0	19545.2
17.5°	13281.3	13189.9	13365.4	13312.4	13083.8
20°	9554.1	9577.8	9912.5	9744.3	9541.3
22.5°	6971.7	7057.6	7454.5	7021.1	6862.0
25°	4641.7	4817.3	5234.3	4694.7	4546.6
27.5°	2854.9	2935.4	3357.8	2818.3	2737.8
30°	1775.8	1735.6	1935.0	1660.6	1547.2
32.5°	1165.0	1113.8	1177.8	1057.1	965.6
35°	779.1	795.6	746.2	740.7	625.5
37.5°	486.5	559.6	493.8	526.7	402.4
40°	314.6	406.0	349.3	385.9	296.3
42.5°	257.9	312.7	287.1	305.4	263.4
45°	204.8	254.2	254.2	254.2	206.7
47.5°	113.4	170.1	217.6	173.7	120.7
50°	64.0	86.0	168.3	89.6	67.7
52.5°	43.9	49.4	115.2	51.2	45.7
55°	32.9	34.7	62.2	36.6	34.7
57.5°	25.6	27.4	32.9	27.4	25.6
60°	20.1	20.1	23.8	21.9	20.1
62.5°	14.6	14.6	16.5	14.6	14.6
65°	11.0	11.0	11.0	11.0	11.0
67.5°	5.5	7.3	7.3	7.3	7.3
70°	5.5	3.7	3.7	3.7	5.5
72.5°	3.7	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)