

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: P774204

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774204
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-EU6DR3070959030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12067.4 lumens
Efficiency: N/A
Efficacy: 121.6 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 (A_{in}): 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

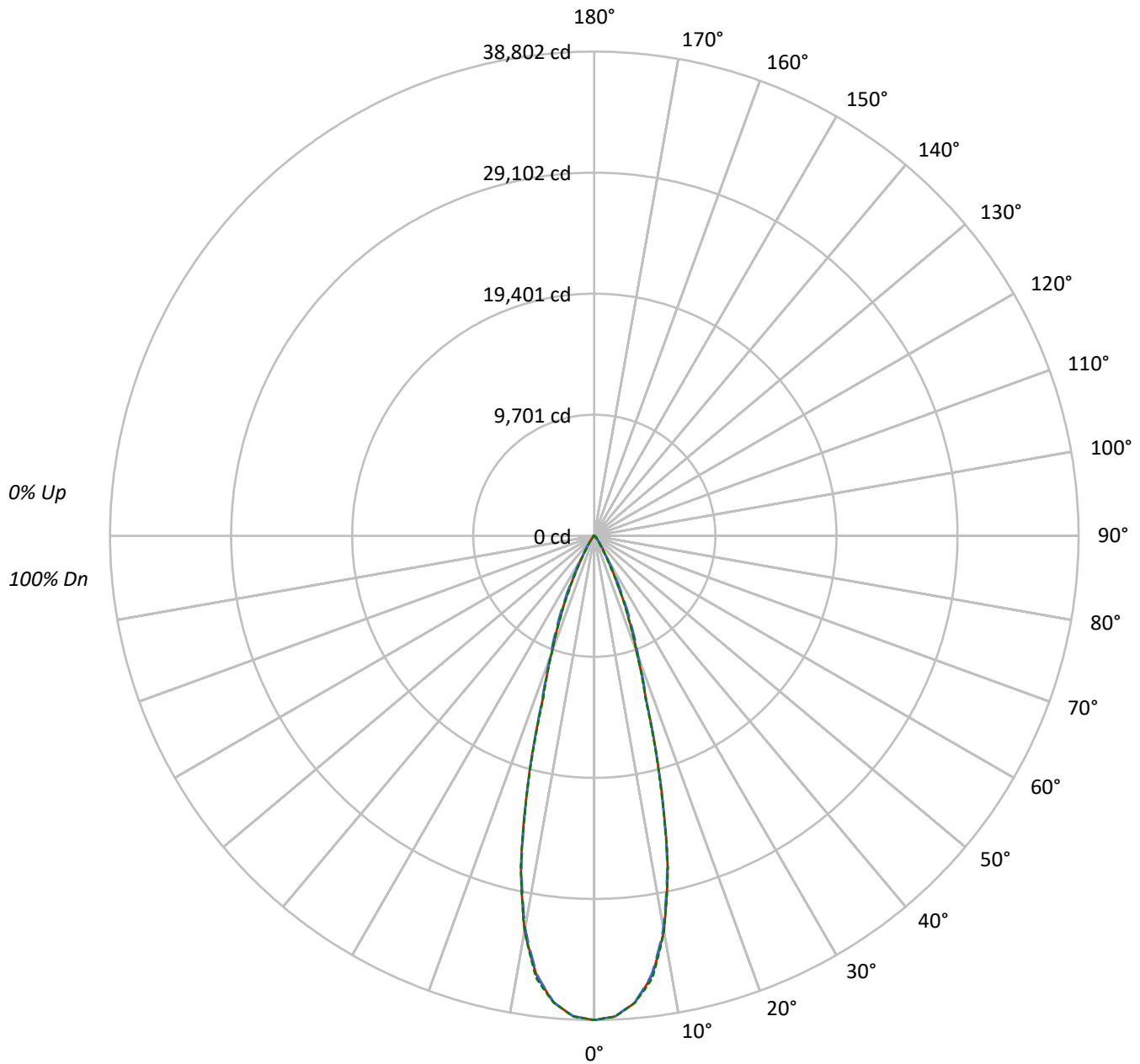


Downlight

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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°	2970067	2970067	2970067
5°	2884807	2881442	2884953
10°	2498678	2481058	2498087
15°	1630262	1621505	1613359
20°	810656	841072	809565
25°	408355	460481	399985
30°	163494	178148	142450
35°	75838	72633	60878
40°	32744	36361	30835
45°	23100	28664	23306
50°	7943	20875	8395
55°	4577	8648	4831
60°	3215	3797	3215
65°	2065	2065	2065
70°	1276	850	1276
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3412.1	28.3
10°-20°	5495.2	45.5
20°-30°	2374.6	19.7
30°-40°	541.2	4.5
40°-50°	185.8	1.5
50°-60°	45.4	0.4
60°-70°	11.7	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°	11281.9	93.5
0°-40°	11823.1	98.0
0°-60°	12054.4	99.9
0°-90°	12067.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12067.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38802	38802	38802	38802	38802	
5°	37545	37509	37501	37579	37547	3415
15°	20573	20325	20462	20396	20360	5509
25°	4835	5018	5452	4890	4736	2314
35°	812	829	777	772	652	550
45°	213	265	265	265	215	151
55°	34	36	65	38	36	33
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°	38802.4	38802.4	38802.4	38802.4	38802.4
2.5°	38545.3	38518.6	38533.8	38552.9	38560.5
5°	37545.1	37508.9	37501.3	37579.4	37547.0
7.5°	35527.6	35476.2	35398.1	35575.3	35741.0
10°	32148.0	32090.9	31921.3	32005.2	32140.4
12.5°	27158.7	26973.9	26970.1	27236.8	27200.6
15°	20572.8	20325.2	20462.3	20395.7	20359.5
17.5°	13834.6	13739.4	13922.2	13867.0	13628.9
20°	9952.1	9976.8	10325.5	10150.2	9938.7
22.5°	7262.1	7351.7	7765.1	7313.6	7147.8
25°	4835.1	5018.0	5452.3	4890.3	4736.0
27.5°	2973.8	3057.6	3497.7	2935.7	2851.9
30°	1849.8	1807.9	2015.6	1729.8	1611.7
32.5°	1213.5	1160.2	1226.9	1101.1	1005.9
35°	811.6	828.7	777.3	771.6	651.5
37.5°	506.7	583.0	514.4	548.7	419.1
40°	327.7	422.9	363.9	402.0	308.6
42.5°	268.6	325.8	299.1	318.1	274.3
45°	213.4	264.8	264.8	264.8	215.3
47.5°	118.1	177.2	226.7	181.0	125.7
50°	66.7	89.5	175.3	93.3	70.5
52.5°	45.7	51.4	120.0	53.3	47.6
55°	34.3	36.2	64.8	38.1	36.2
57.5°	26.7	28.6	34.3	28.6	26.7
60°	21.0	21.0	24.8	22.9	21.0
62.5°	15.2	15.2	17.1	15.2	15.2
65°	11.4	11.4	11.4	11.4	11.4
67.5°	5.7	7.6	7.6	7.6	7.6
70°	5.7	3.8	3.8	3.8	5.7
72.5°	3.8	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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)