

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: P774240

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774240
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-EU6DR3070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10375.9 lumens
Efficiency: N/A
Efficacy: 104.6 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 (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

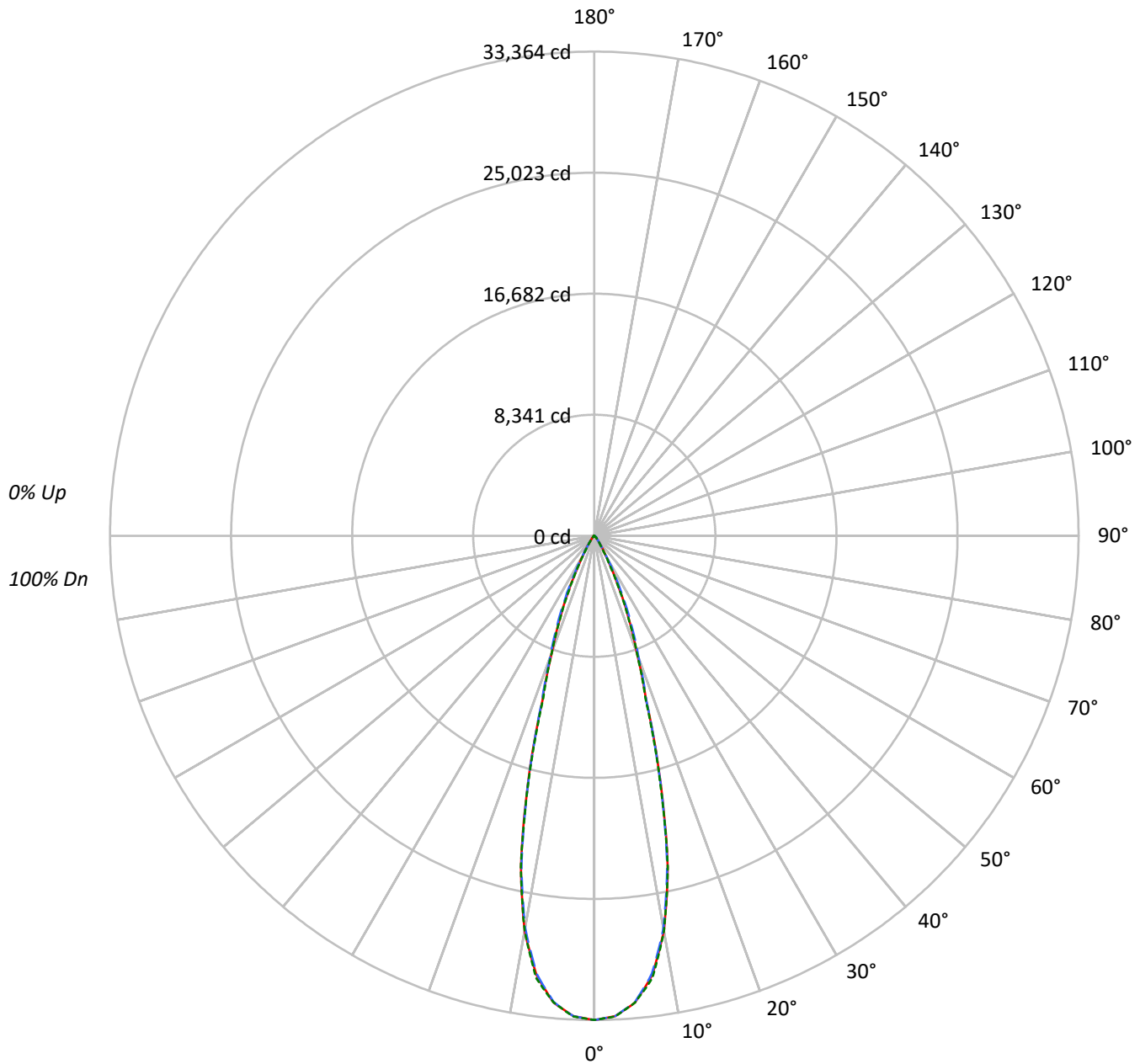


Downlight

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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°	2553756	2553756	2553756
5°	2480443	2477547	2480566
10°	2148437	2133288	2147932
15°	1401747	1394219	1387214
20°	697025	723173	696089
25°	351110	395940	343923
30°	140576	153171	122484
35°	65204	62447	52346
40°	28148	31265	26519
45°	19864	24648	20037
50°	6823	17945	7216
55°	3937	7433	4150
60°	2756	3261	2756
65°	1775	1775	1775
70°	1097	739	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2933.8	28.3
10°-20°	4724.9	45.5
20°-30°	2041.8	19.7
30°-40°	465.4	4.5
40°-50°	159.8	1.5
50°-60°	39.0	0.4
60°-70°	10.1	0.1
70°-80°	1.1	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°	9700.5	93.5
0°-40°	10165.9	98.0
0°-60°	10364.7	99.9
0°-90°	10375.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10375.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33364	33364	33364	33364	33364	
5°	32282	32251	32245	32312	32284	2936
15°	17689	17476	17594	17537	17506	4736
25°	4157	4315	4688	4205	4072	1990
35°	698	712	668	663	560	473
45°	184	228	228	228	185	130
55°	30	31	56	33	31	29
65°	10	10	10	10	10	10
75°	0	0	2	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°	33363.5	33363.5	33363.5	33363.5	33363.5
2.5°	33142.3	33119.4	33132.5	33148.9	33155.4
5°	32282.4	32251.2	32244.7	32311.8	32284.0
7.5°	30547.7	30503.5	30436.3	30588.6	30731.1
10°	27641.8	27592.7	27446.9	27519.0	27635.3
12.5°	23351.8	23192.9	23189.6	23419.0	23387.8
15°	17689.1	17476.2	17594.1	17536.8	17505.7
17.5°	11895.4	11813.5	11970.7	11923.2	11718.5
20°	8557.1	8578.4	8878.1	8727.4	8545.6
22.5°	6244.2	6321.2	6676.6	6288.4	6145.9
25°	4157.3	4314.6	4688.1	4204.8	4072.2
27.5°	2557.0	2629.0	3007.4	2524.2	2452.1
30°	1590.5	1554.5	1733.0	1487.3	1385.8
32.5°	1043.4	997.6	1054.9	946.8	864.9
35°	697.8	712.5	668.3	663.4	560.2
37.5°	435.7	501.2	442.3	471.8	360.4
40°	281.7	363.6	312.9	345.6	265.4
42.5°	231.0	280.1	257.2	273.6	235.9
45°	183.5	227.7	227.7	227.7	185.1
47.5°	101.6	152.3	194.9	155.6	108.1
50°	57.3	77.0	150.7	80.3	60.6
52.5°	39.3	44.2	103.2	45.9	41.0
55°	29.5	31.1	55.7	32.8	31.1
57.5°	22.9	24.6	29.5	24.6	22.9
60°	18.0	18.0	21.3	19.7	18.0
62.5°	13.1	13.1	14.7	13.1	13.1
65°	9.8	9.8	9.8	9.8	9.8
67.5°	4.9	6.6	6.6	6.6	6.6
70°	4.9	3.3	3.3	3.3	4.9
72.5°	3.3	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)