

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: P774188

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774188
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-EU6DR3070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9453.9 lumens
Efficiency: N/A
Efficacy: 95.3 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

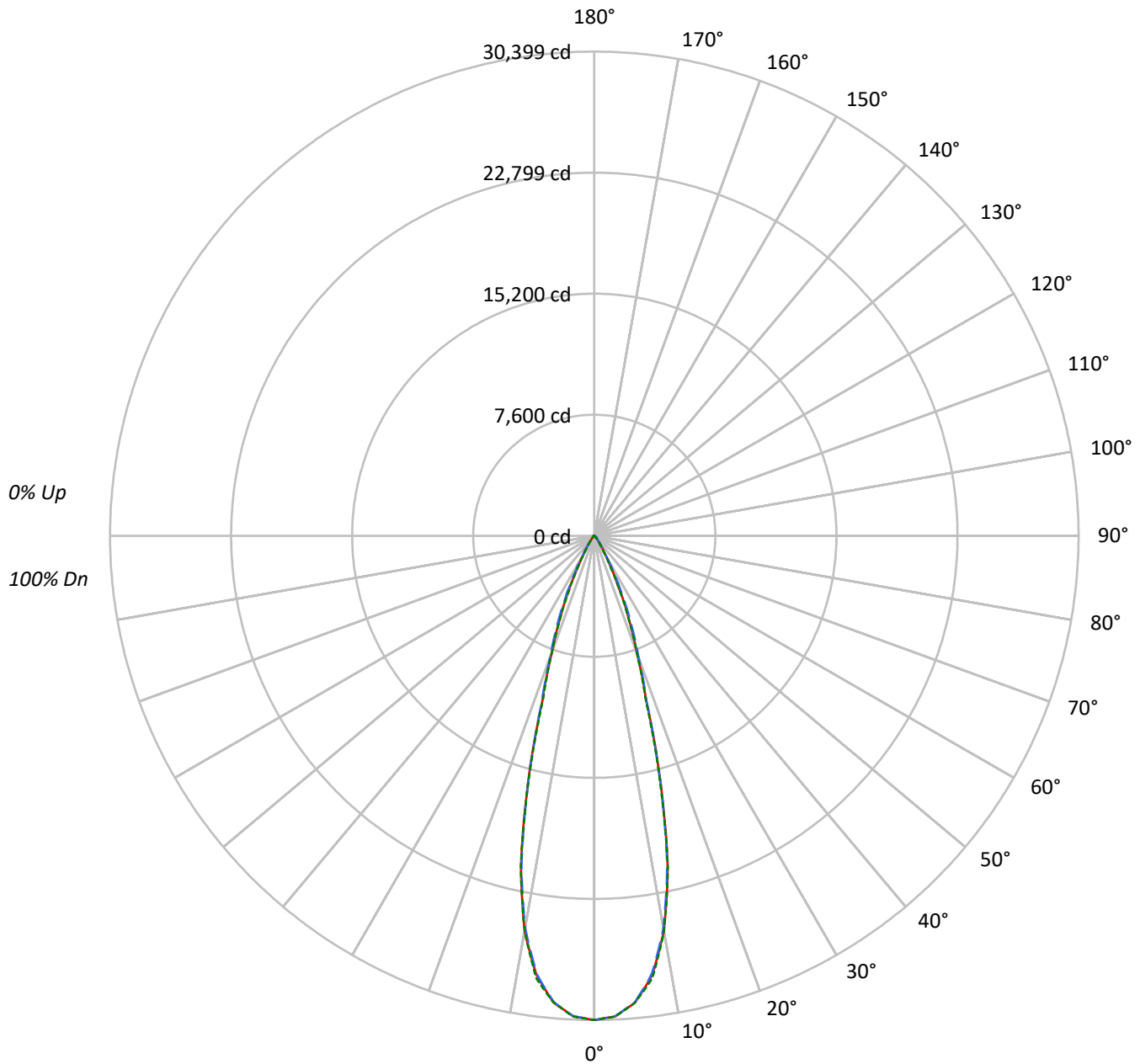


Downlight

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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					0
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°	2326820	2326820	2326820
5°	2260025	2257389	2260140
10°	1957523	1943719	1957064
15°	1277184	1270330	1263943
20°	635086	658912	634231
25°	319912	360755	313358
30°	128087	139559	111595
35°	59411	56897	47693
40°	25650	28487	24161
45°	18099	22462	18251
50°	6216	16350	6573
55°	3590	6766	3790
60°	2511	2970	2511
65°	1630	1630	1630
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2673.1	28.3
10°-20°	4305.1	45.5
20°-30°	1860.3	19.7
30°-40°	424.0	4.5
40°-50°	145.6	1.5
50°-60°	35.6	0.4
60°-70°	9.2	0.1
70°-80°	1.0	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°	8838.5	93.5
0°-40°	9262.5	98.0
0°-60°	9443.7	99.9
0°-90°	9453.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9453.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30399	30399	30399	30399	30399	
5°	29414	29385	29379	29441	29415	2675
15°	16117	15923	16031	15978	15950	4316
25°	3788	3931	4272	3831	3710	1813
35°	636	649	609	604	510	431
45°	167	208	208	208	169	119
55°	27	28	51	30	28	26
65°	9	9	9	9	9	9
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°	30398.7	30398.7	30398.7	30398.7	30398.7
2.5°	30197.3	30176.4	30188.3	30203.2	30209.2
5°	29413.7	29385.4	29379.4	29440.6	29415.2
7.5°	27833.2	27792.9	27731.7	27870.5	28000.3
10°	25185.5	25140.8	25007.9	25073.6	25179.6
12.5°	21276.7	21132.0	21129.0	21337.9	21309.6
15°	16117.2	15923.2	16030.7	15978.4	15950.1
17.5°	10838.4	10763.7	10907.0	10863.7	10677.2
20°	7796.7	7816.1	8089.2	7951.9	7786.2
22.5°	5689.3	5759.5	6083.3	5729.6	5599.8
25°	3787.9	3931.2	4271.5	3831.2	3710.3
27.5°	2329.8	2395.4	2740.2	2299.9	2234.2
30°	1449.2	1416.4	1579.0	1355.2	1262.6
32.5°	950.7	908.9	961.2	862.7	788.0
35°	635.8	649.2	608.9	604.5	510.4
37.5°	397.0	456.7	403.0	429.8	328.3
40°	256.7	331.3	285.1	314.9	241.8
42.5°	210.4	255.2	234.3	249.2	214.9
45°	167.2	207.5	207.5	207.5	168.6
47.5°	92.5	138.8	177.6	141.8	98.5
50°	52.2	70.1	137.3	73.1	55.2
52.5°	35.8	40.3	94.0	41.8	37.3
55°	26.9	28.4	50.7	29.8	28.4
57.5°	20.9	22.4	26.9	22.4	20.9
60°	16.4	16.4	19.4	17.9	16.4
62.5°	11.9	11.9	13.4	11.9	11.9
65°	9.0	9.0	9.0	9.0	9.0
67.5°	4.5	6.0	6.0	6.0	6.0
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)