

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: P770340

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770340
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: LD6D70BD010-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: 7490.8 lumens
Efficiency: N/A
Efficacy: 112.5 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): 66.6
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

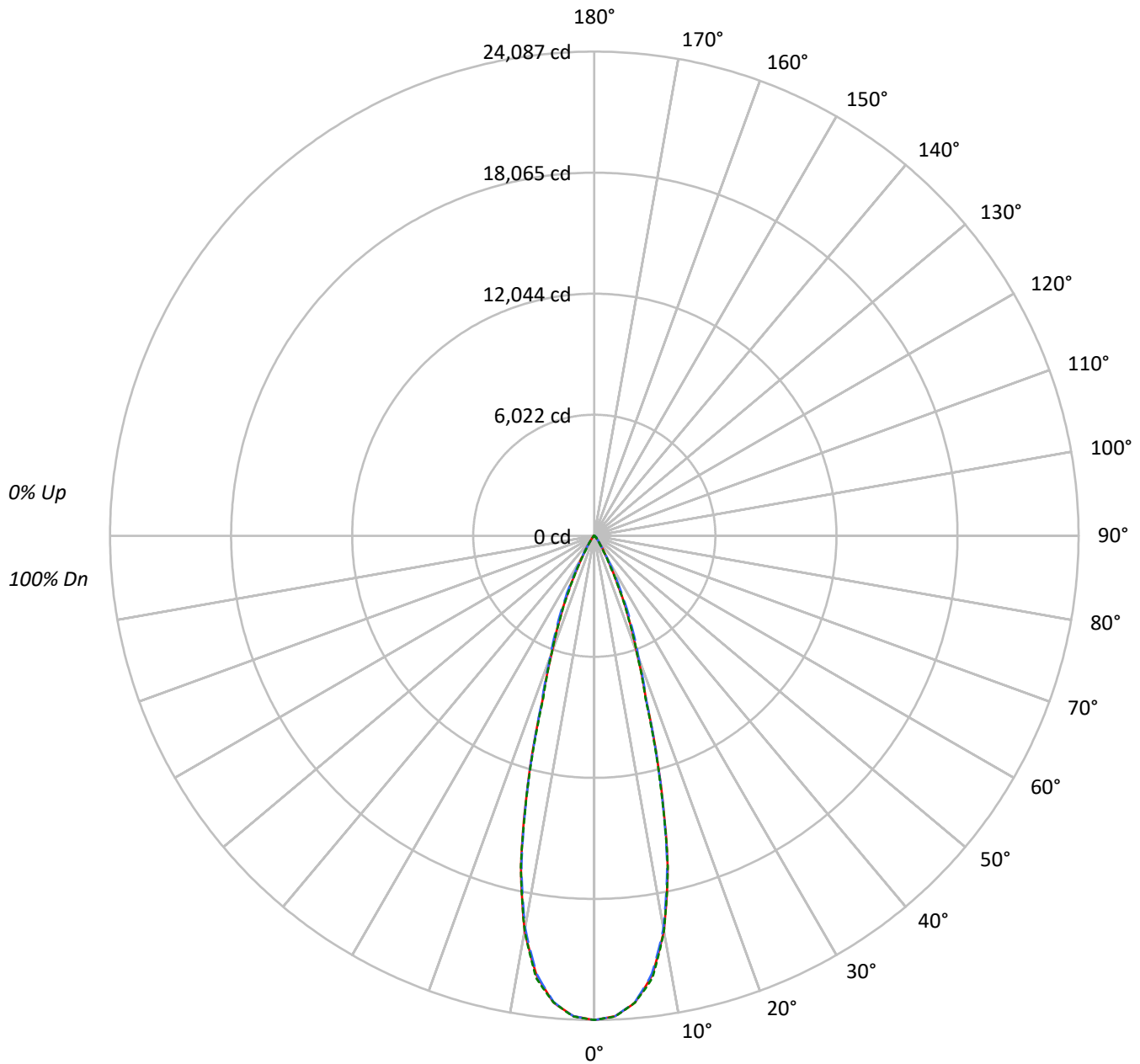


Downlight

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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°	1843670	1843670	1843670
5°	1790742	1788652	1790835
10°	1551056	1540121	1550691
15°	1011988	1006552	1001488
20°	503218	522091	502541
25°	253487	285842	248293
30°	101492	110587	88429
35°	47076	45086	37788
40°	20324	22572	19145
45°	14332	17796	14462
50°	4930	12956	5216
55°	2842	5365	3003
60°	1990	2358	1990
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2118.1	28.3
10°-20°	3411.1	45.5
20°-30°	1474.0	19.7
30°-40°	336.0	4.5
40°-50°	115.4	1.5
50°-60°	28.2	0.4
60°-70°	7.3	0.1
70°-80°	0.8	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°	7003.2	93.5
0°-40°	7339.2	98.0
0°-60°	7482.7	99.9
0°-90°	7490.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7490.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24087	24087	24087	24087	24087	
5°	23306	23284	23279	23327	23307	2120
15°	12771	12617	12702	12661	12638	3419
25°	3001	3115	3384	3036	2940	1437
35°	504	514	482	479	404	342
45°	132	164	164	164	134	94
55°	21	22	40	24	22	21
65°	7	7	7	7	7	7
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°	24086.6	24086.6	24086.6	24086.6	24086.6
2.5°	23927.0	23910.4	23919.9	23931.7	23936.4
5°	23306.1	23283.7	23278.9	23327.4	23307.3
7.5°	22053.8	22021.9	21973.4	22083.3	22186.2
10°	19955.9	19920.4	19815.2	19867.2	19951.2
12.5°	16858.7	16744.0	16741.7	16907.2	16884.8
15°	12770.6	12616.9	12702.0	12660.6	12638.1
17.5°	8587.8	8528.7	8642.2	8607.9	8460.1
20°	6177.8	6193.1	6409.5	6300.7	6169.5
22.5°	4508.0	4563.5	4820.2	4539.9	4437.0
25°	3001.4	3114.9	3384.5	3035.7	2939.9
27.5°	1846.0	1898.0	2171.2	1822.3	1770.3
30°	1148.3	1122.3	1251.2	1073.8	1000.5
32.5°	753.3	720.2	761.6	683.5	624.4
35°	503.8	514.4	482.5	478.9	404.4
37.5°	314.6	361.9	319.3	340.6	260.2
40°	203.4	262.5	225.9	249.5	191.6
42.5°	166.7	202.2	185.7	197.5	170.3
45°	132.4	164.4	164.4	164.4	133.6
47.5°	73.3	110.0	140.7	112.3	78.0
50°	41.4	55.6	108.8	57.9	43.8
52.5°	28.4	31.9	74.5	33.1	29.6
55°	21.3	22.5	40.2	23.7	22.5
57.5°	16.6	17.7	21.3	17.7	16.6
60°	13.0	13.0	15.4	14.2	13.0
62.5°	9.5	9.5	10.6	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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)