

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: P761175

Luminaire Tested: LD6D15D010-EU6DR300215IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761175
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: LD6D15D010-EU6DR300215IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1252.5 lumens
Efficiency: N/A
Efficacy: 79.3 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): 15.8
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



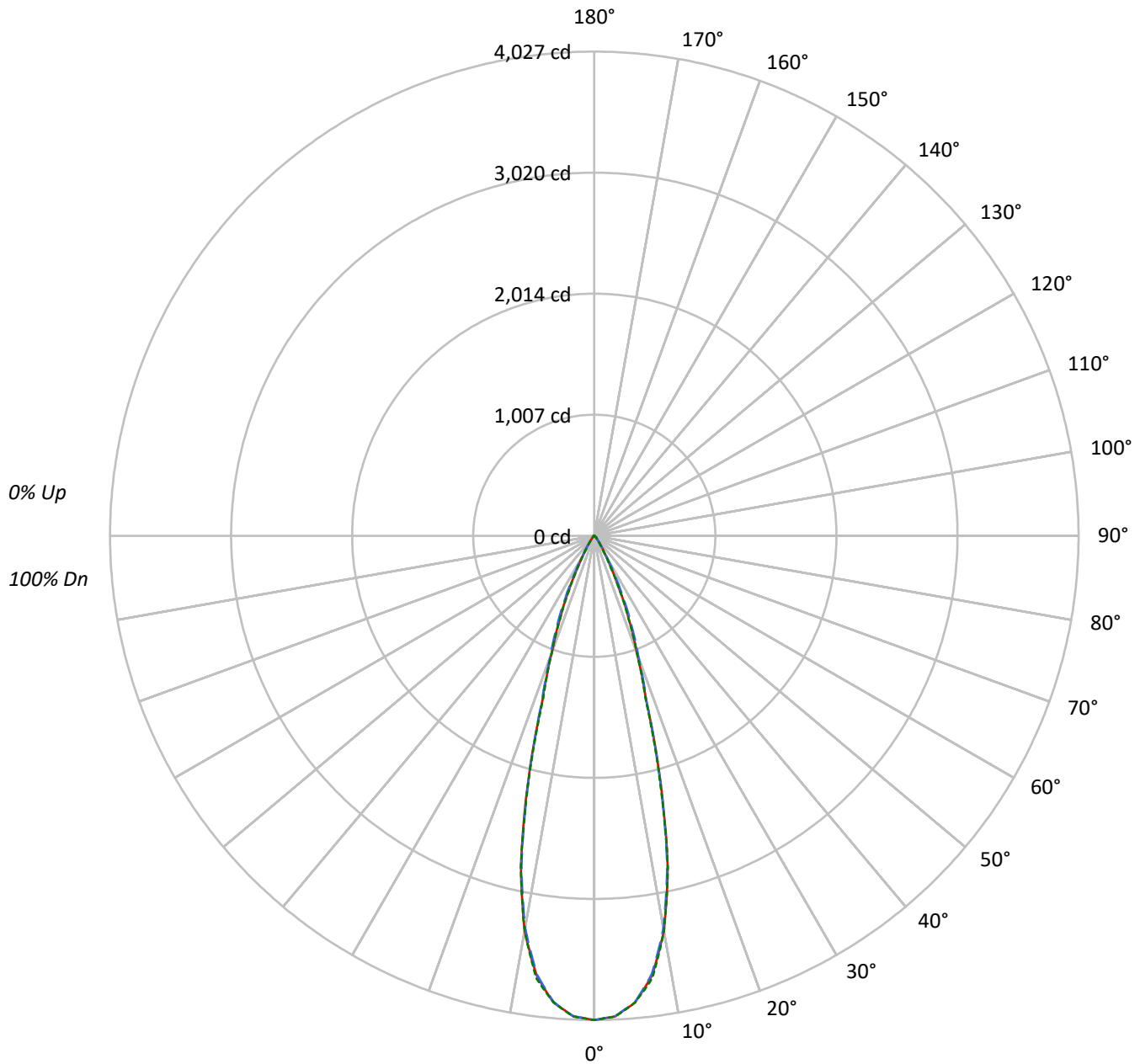
Downlight



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	87	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	83	83	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	80	80	79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	78	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	75	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	73	73	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	308256	308256	308256
5°	299414	299060	299421
10°	259335	257500	259272
15°	169201	168297	167442
20°	84136	87288	84022
25°	42380	47794	41510
30°	16970	18490	14787
35°	7868	7541	6317
40°	3397	3777	3197
45°	2403	2977	2414
50°	822	2167	869
55°	480	894	507
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2977 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	28.3
10°-20°	570.3	45.5
20°-30°	246.5	19.7
30°-40°	56.2	4.5
40°-50°	19.3	1.5
50°-60°	4.7	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1170.9	93.5
0°-40°	1227.1	98.0
0°-60°	1251.1	99.9
0°-90°	1252.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4027	4027	4027	4027	4027	
5°	3897	3893	3892	3900	3897	354
15°	2135	2110	2124	2117	2113	572
25°	502	521	566	508	492	240
35°	84	86	81	80	68	57
45°	22	28	28	28	22	16
55°	4	4	7	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	4027.2	4027.2	4027.2	4027.2	4027.2
2.5°	4000.5	3997.8	3999.4	4001.3	4002.1
5°	3896.8	3893.0	3892.2	3900.3	3896.9
7.5°	3687.3	3682.0	3673.9	3692.3	3709.5
10°	3336.6	3330.6	3313.0	3321.7	3335.8
12.5°	2818.7	2799.6	2799.2	2826.8	2823.1
15°	2135.2	2109.5	2123.8	2116.8	2113.0
17.5°	1435.9	1426.0	1445.0	1439.3	1414.5
20°	1032.9	1035.5	1071.6	1053.5	1031.5
22.5°	753.7	763.0	805.9	759.0	741.9
25°	501.8	520.8	565.9	507.6	491.5
27.5°	308.6	317.4	363.0	304.7	296.0
30°	192.0	187.6	209.2	179.5	167.3
32.5°	125.9	120.4	127.3	114.3	104.4
35°	84.2	86.0	80.7	80.1	67.6
37.5°	52.6	60.5	53.4	57.0	43.5
40°	34.0	43.9	37.8	41.7	32.0
42.5°	27.9	33.8	31.1	33.0	28.5
45°	22.2	27.5	27.5	27.5	22.3
47.5°	12.3	18.4	23.5	18.8	13.1
50°	6.9	9.3	18.2	9.7	7.3
52.5°	4.8	5.3	12.4	5.6	4.9
55°	3.6	3.8	6.7	4.0	3.8
57.5°	2.8	3.0	3.6	3.0	2.8
60°	2.2	2.2	2.6	2.3	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)