

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P770330

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770330
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-EU6DR3070959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9215.4 lumens
Efficiency: N/A
Efficacy: 138.4 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

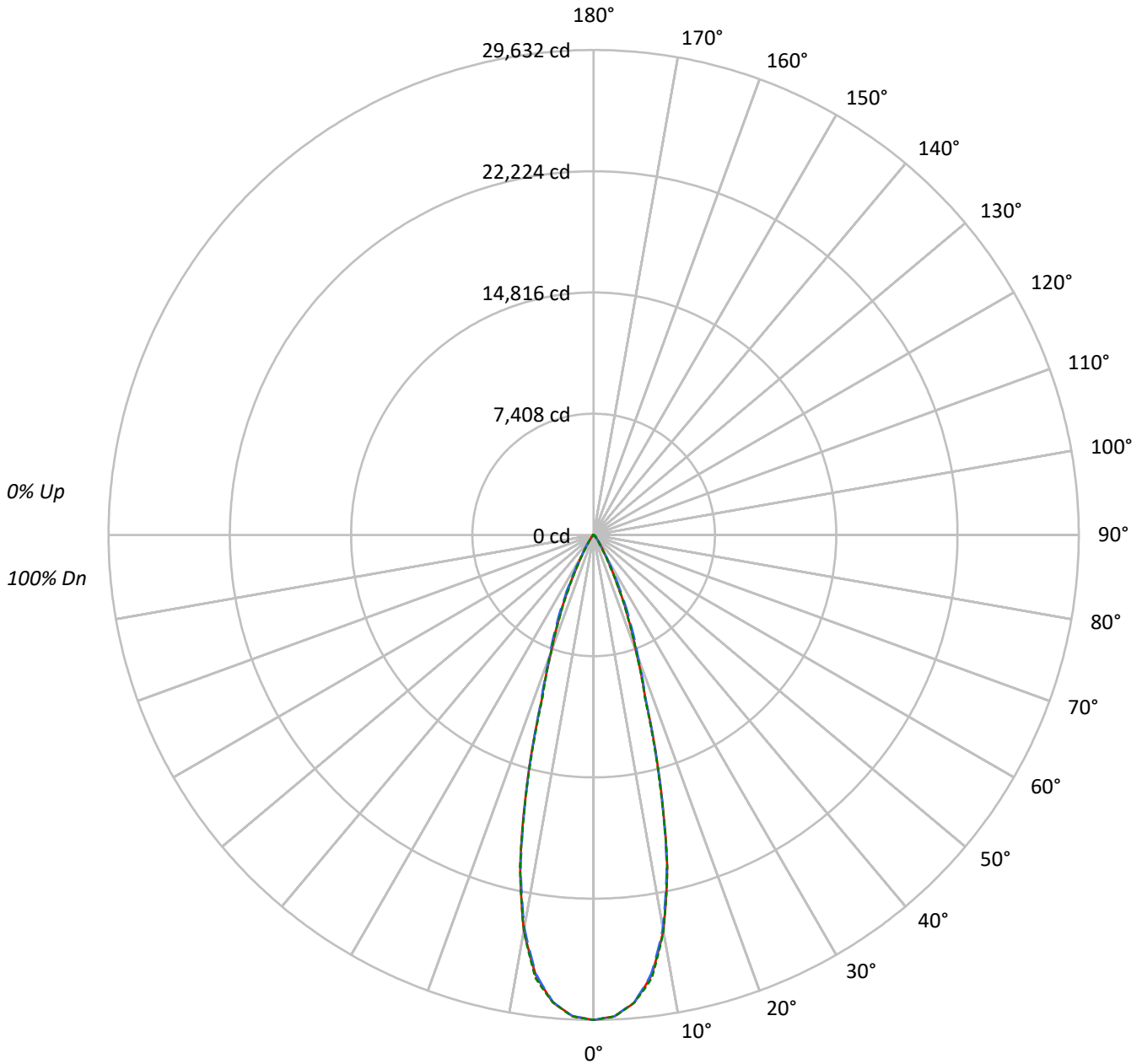
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2268119	2268119	2268119
5°	2203005	2200438	2203120
10°	1908137	1894683	1907686
15°	1244964	1238276	1232055
20°	619064	642287	618233
25°	311838	351651	305453
30°	124852	136042	108784
35°	57915	55467	46488
40°	25000	27768	23551
45°	17634	21888	17796
50°	6061	15933	6407
55°	3496	6606	3683
60°	2449	2893	2449
65°	1576	1576	1576
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21888 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2605.7	28.3
10°-20°	4196.5	45.5
20°-30°	1813.4	19.7
30°-40°	413.3	4.5
40°-50°	141.9	1.5
50°-60°	34.7	0.4
60°-70°	9.0	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°	8615.5	93.5
0°-40°	9028.8	98.0
0°-60°	9205.4	99.9
0°-90°	9215.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9215.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29632	29632	29632	29632	29632	
5°	28672	28644	28638	28698	28673	2608
15°	15711	15522	15626	15575	15548	4207
25°	3692	3832	4164	3734	3617	1767
35°	620	633	594	589	498	420
45°	163	202	202	202	164	116
55°	26	28	50	29	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29631.8	29631.8	29631.8	29631.8	29631.8
2.5°	29435.4	29415.1	29426.7	29441.2	29447.1
5°	28671.6	28644.0	28638.2	28697.8	28673.1
7.5°	27131.0	27091.7	27032.1	27167.4	27293.9
10°	24550.1	24506.5	24377.0	24441.0	24544.3
12.5°	20739.9	20598.8	20595.9	20799.6	20772.0
15°	15710.6	15521.5	15626.2	15575.3	15547.7
17.5°	10564.9	10492.2	10631.8	10589.7	10407.8
20°	7600.0	7618.9	7885.1	7751.3	7589.8
22.5°	5545.8	5614.2	5929.9	5585.1	5458.5
25°	3692.3	3832.0	4163.7	3734.5	3616.7
27.5°	2271.0	2335.0	2671.1	2241.9	2177.9
30°	1412.6	1380.6	1539.2	1321.0	1230.8
32.5°	926.7	886.0	936.9	840.9	768.1
35°	619.8	632.8	593.6	589.2	497.5
37.5°	387.0	445.2	392.8	419.0	320.1
40°	250.2	323.0	277.9	307.0	235.7
42.5°	205.1	248.8	228.4	243.0	209.5
45°	162.9	202.2	202.2	202.2	164.4
47.5°	90.2	135.3	173.1	138.2	96.0
50°	50.9	68.4	133.8	71.3	53.8
52.5°	34.9	39.3	91.7	40.7	36.4
55°	26.2	27.6	49.5	29.1	27.6
57.5°	20.4	21.8	26.2	21.8	20.4
60°	16.0	16.0	18.9	17.5	16.0
62.5°	11.6	11.6	13.1	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.4	5.8	5.8	5.8	5.8
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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