

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: P759177

Luminaire Tested: LD6D08D010-EU6DR300210IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759177
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: LD6D08D010-EU6DR300210IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.2 lumens
Efficiency: N/A
Efficacy: 85.3 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): 8.9
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



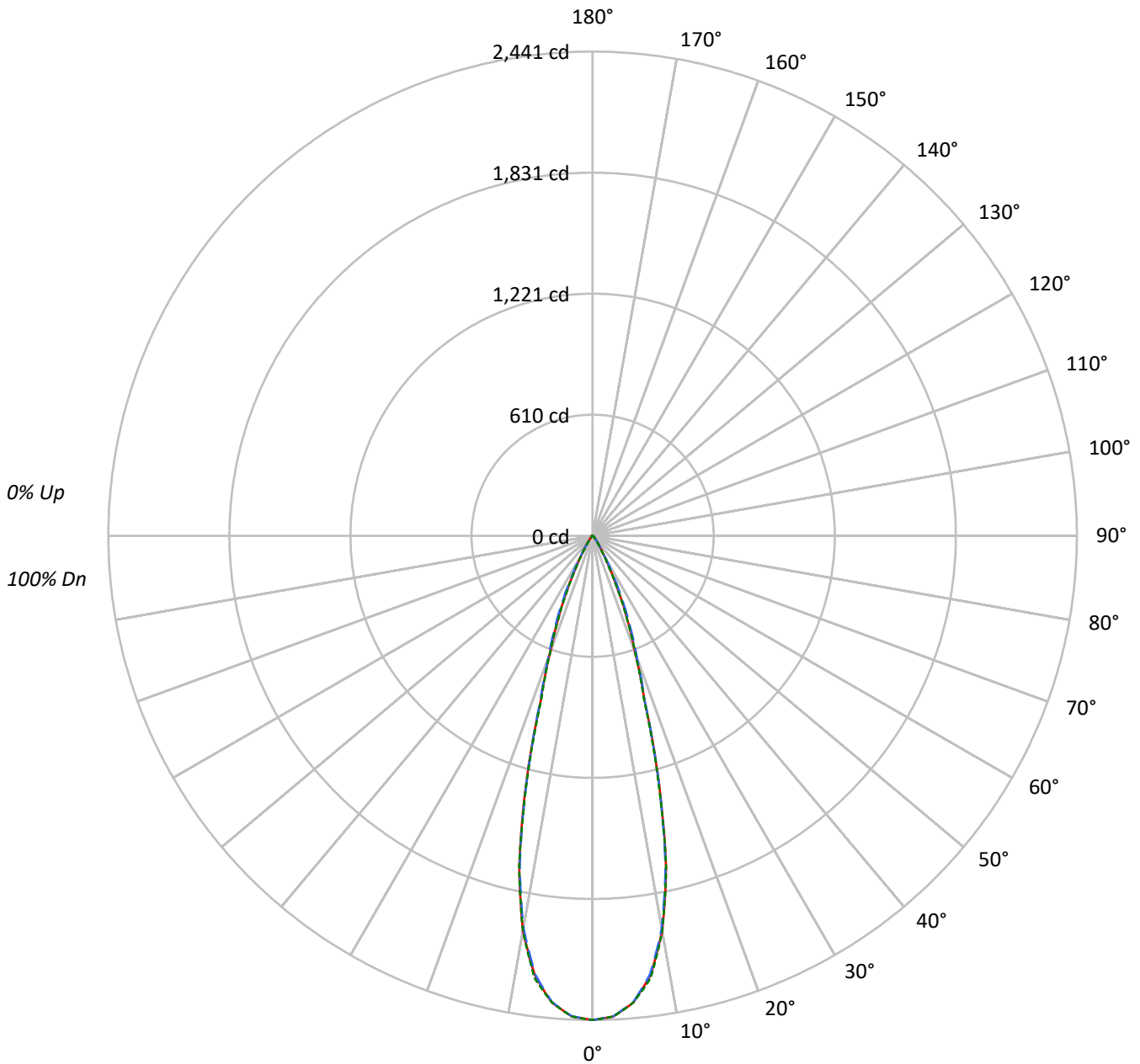
Downlight



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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	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°	186858	186858	186858
5°	181486	181279	181501
10°	157197	156086	157166
15°	102565	102018	101503
20°	50999	52914	50934
25°	25692	28969	25160
30°	10288	11207	8962
35°	4766	4569	3831
40°	2058	2288	1938
45°	1451	1808	1461
50°	500	1310	524
55°	294	547	307
60°	199	230	199
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.7	28.3
10°-20°	345.7	45.5
20°-30°	149.4	19.7
30°-40°	34.1	4.5
40°-50°	11.7	1.5
50°-60°	2.9	0.4
60°-70°	0.7	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°	709.8	93.5
0°-40°	743.8	98.0
0°-60°	758.4	99.9
0°-90°	759.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2441	2441	2441	2441	2441	
5°	2362	2360	2359	2364	2362	215
15°	1294	1279	1287	1283	1281	347
25°	304	316	343	308	298	146
35°	51	52	49	48	41	35
45°	13	17	17	17	14	10
55°	2	2	4	2	2	2
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°	2441.2	2441.2	2441.2	2441.2	2441.2
2.5°	2425.0	2423.3	2424.3	2425.5	2425.9
5°	2362.0	2359.8	2359.3	2364.2	2362.2
7.5°	2235.1	2231.9	2227.0	2238.1	2248.5
10°	2022.5	2018.9	2008.2	2013.5	2022.1
12.5°	1708.6	1697.0	1696.7	1713.5	1711.2
15°	1294.3	1278.7	1287.4	1283.1	1280.9
17.5°	870.4	864.4	875.9	872.4	857.4
20°	626.1	627.7	649.6	638.6	625.3
22.5°	456.9	462.5	488.5	460.1	449.7
25°	304.2	315.7	343.0	307.7	297.9
27.5°	187.1	192.3	220.1	184.7	179.4
30°	116.4	113.7	126.8	108.8	101.4
32.5°	76.4	73.0	77.2	69.3	63.3
35°	51.0	52.1	48.9	48.5	41.0
37.5°	31.9	36.7	32.4	34.5	26.4
40°	20.6	26.6	22.9	25.3	19.4
42.5°	16.9	20.5	18.8	20.0	17.2
45°	13.4	16.7	16.7	16.7	13.5
47.5°	7.4	11.2	14.3	11.4	7.9
50°	4.2	5.6	11.0	5.9	4.4
52.5°	2.9	3.2	7.6	3.4	3.0
55°	2.2	2.3	4.1	2.4	2.3
57.5°	1.7	1.8	2.2	1.8	1.7
60°	1.3	1.3	1.5	1.4	1.3
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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