

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: P759178

Luminaire Tested: LD6D08D010-EU6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759178
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-EU6DR300210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 797.2 lumens
Efficiency: N/A
Efficacy: 89.6 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

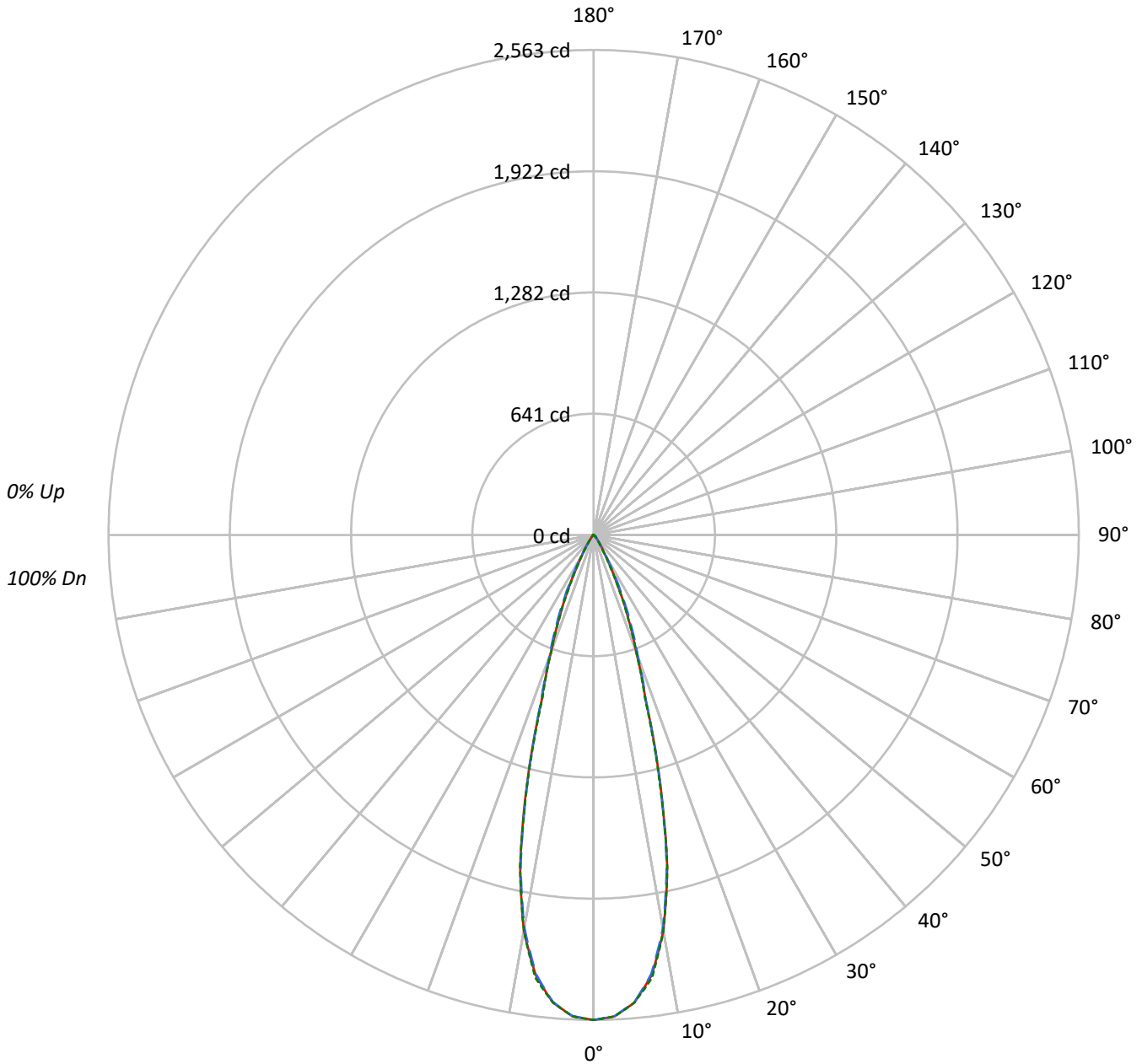


Downlight



TEST NUMBER: P759178
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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	87	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°	196196	196196	196196
5°	190560	190345	190576
10°	165055	163897	165016
15°	107692	107114	106575
20°	53549	55561	53476
25°	26975	30421	26418
30°	10801	11773	9413
35°	5009	4794	4018
40°	2168	2408	2038
45°	1526	1894	1537
50°	524	1381	548
55°	307	574	320
60°	214	260	214
65°	127	127	127
70°	90	45	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	28.3
10°-20°	363.0	45.5
20°-30°	156.9	19.7
30°-40°	35.8	4.5
40°-50°	12.3	1.5
50°-60°	3.0	0.4
60°-70°	0.8	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°	745.3	93.5
0°-40°	781.0	98.0
0°-60°	796.3	99.9
0°-90°	797.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2563	2563	2563	2563	2563	
5°	2480	2478	2477	2482	2480	226
15°	1359	1343	1352	1347	1345	364
25°	319	332	360	323	313	153
35°	54	55	51	51	43	36
45°	14	18	18	18	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°	2563.2	2563.2	2563.2	2563.2	2563.2
2.5°	2546.3	2544.5	2545.4	2546.7	2547.2
5°	2480.1	2477.8	2477.3	2482.4	2480.3
7.5°	2346.9	2343.5	2338.3	2350.0	2361.0
10°	2123.6	2119.9	2108.7	2114.2	2123.1
12.5°	1794.0	1781.8	1781.6	1799.2	1796.8
15°	1359.0	1342.7	1351.7	1347.3	1344.9
17.5°	913.9	907.6	919.7	916.0	900.3
20°	657.4	659.1	682.1	670.5	656.5
22.5°	479.7	485.6	513.0	483.1	472.2
25°	319.4	331.5	360.2	323.0	312.8
27.5°	196.5	202.0	231.1	193.9	188.4
30°	122.2	119.4	133.2	114.2	106.5
32.5°	80.2	76.7	81.1	72.8	66.5
35°	53.6	54.7	51.3	51.0	43.0
37.5°	33.5	38.5	34.0	36.3	27.7
40°	21.7	28.0	24.1	26.5	20.4
42.5°	17.8	21.5	19.8	21.0	18.1
45°	14.1	17.5	17.5	17.5	14.2
47.5°	7.8	11.7	15.0	12.0	8.3
50°	4.4	5.9	11.6	6.2	4.6
52.5°	3.0	3.4	7.9	3.6	3.2
55°	2.3	2.4	4.3	2.5	2.4
57.5°	1.8	1.9	2.3	1.9	1.8
60°	1.4	1.4	1.7	1.5	1.4
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°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.2	0.2	0.2	0.4
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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