

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: P788323

Luminaire Tested: LER6D08D010-EC6DR300210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788323
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: LER6D08D010-EC6DR300210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1140.9 lumens
Efficiency: N/A
Efficacy: 128.2 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

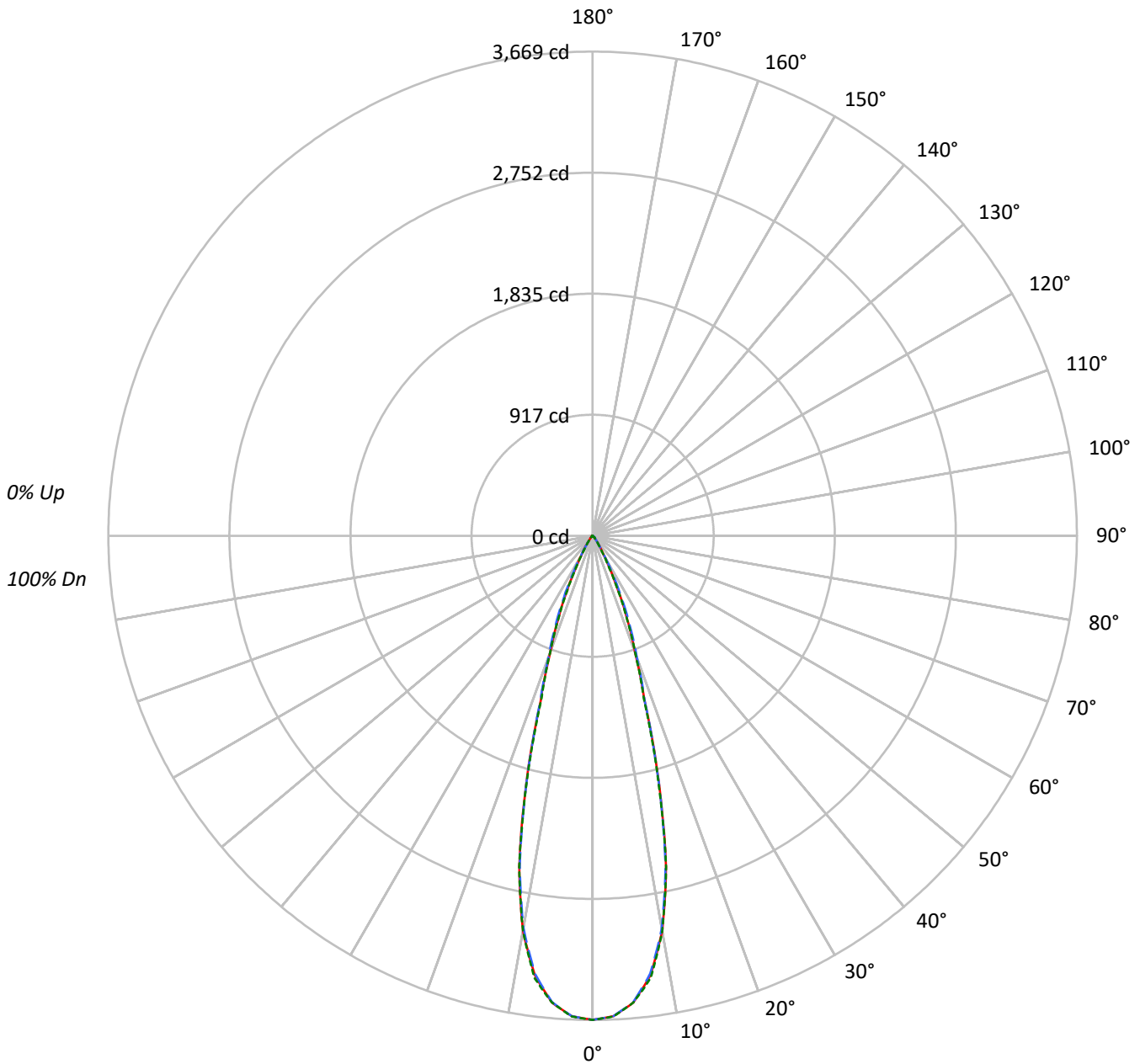


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	280807	280807	280807
5°	272744	272421	272759
10°	236235	234572	236181
15°	154129	153305	152536
20°	76642	79517	76544
25°	38605	43537	37820
30°	15458	16846	13470
35°	7167	6868	5756
40°	3098	3437	2918
45°	2187	2706	2208
50°	750	1977	798
55°	427	814	454
60°	306	352	306
65°	199	199	199
70°	112	90	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	28.3
10°-20°	519.5	45.5
20°-30°	224.5	19.7
30°-40°	51.2	4.5
40°-50°	17.6	1.5
50°-60°	4.3	0.4
60°-70°	1.1	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°	1066.6	93.5
0°-40°	1117.8	98.0
0°-60°	1139.7	99.9
0°-90°	1140.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3669	3669	3669	3669	3669	
5°	3550	3546	3546	3553	3550	323
15°	1945	1922	1935	1928	1925	521
25°	457	474	516	462	448	219
35°	77	78	74	73	62	52
45°	20	25	25	25	20	14
55°	3	3	6	4	3	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°	3668.6	3668.6	3668.6	3668.6	3668.6
2.5°	3644.2	3641.7	3643.2	3645.0	3645.7
5°	3549.7	3546.3	3545.5	3552.9	3549.9
7.5°	3358.9	3354.1	3346.7	3363.4	3379.1
10°	3039.4	3034.0	3018.0	3025.9	3038.7
12.5°	2567.7	2550.2	2549.9	2575.1	2571.7
15°	1945.0	1921.6	1934.6	1928.3	1924.9
17.5°	1308.0	1299.0	1316.3	1311.0	1288.5
20°	940.9	943.3	976.2	959.6	939.7
22.5°	686.6	695.1	734.1	691.5	675.8
25°	457.1	474.4	515.5	462.4	447.8
27.5°	281.2	289.1	330.7	277.6	269.6
30°	174.9	170.9	190.6	163.5	152.4
32.5°	114.7	109.7	116.0	104.1	95.1
35°	76.7	78.3	73.5	72.9	61.6
37.5°	47.9	55.1	48.6	51.9	39.6
40°	31.0	40.0	34.4	38.0	29.2
42.5°	25.4	30.8	28.3	30.1	25.9
45°	20.2	25.0	25.0	25.0	20.4
47.5°	11.2	16.8	21.4	17.1	11.9
50°	6.3	8.5	16.6	8.8	6.7
52.5°	4.3	4.9	11.3	5.0	4.5
55°	3.2	3.4	6.1	3.6	3.4
57.5°	2.5	2.7	3.2	2.7	2.5
60°	2.0	2.0	2.3	2.2	2.0
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.4	0.4	0.4	0.5
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

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Scaled Data Report





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

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(END OF REPORT)