

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: P788955

Luminaire Tested: LER6D10D010-EC6DR300210IC9027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788955
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: LER6D10D010-EC6DR300210IC9027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.1 lumens
Efficiency: N/A
Efficacy: 144.7 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

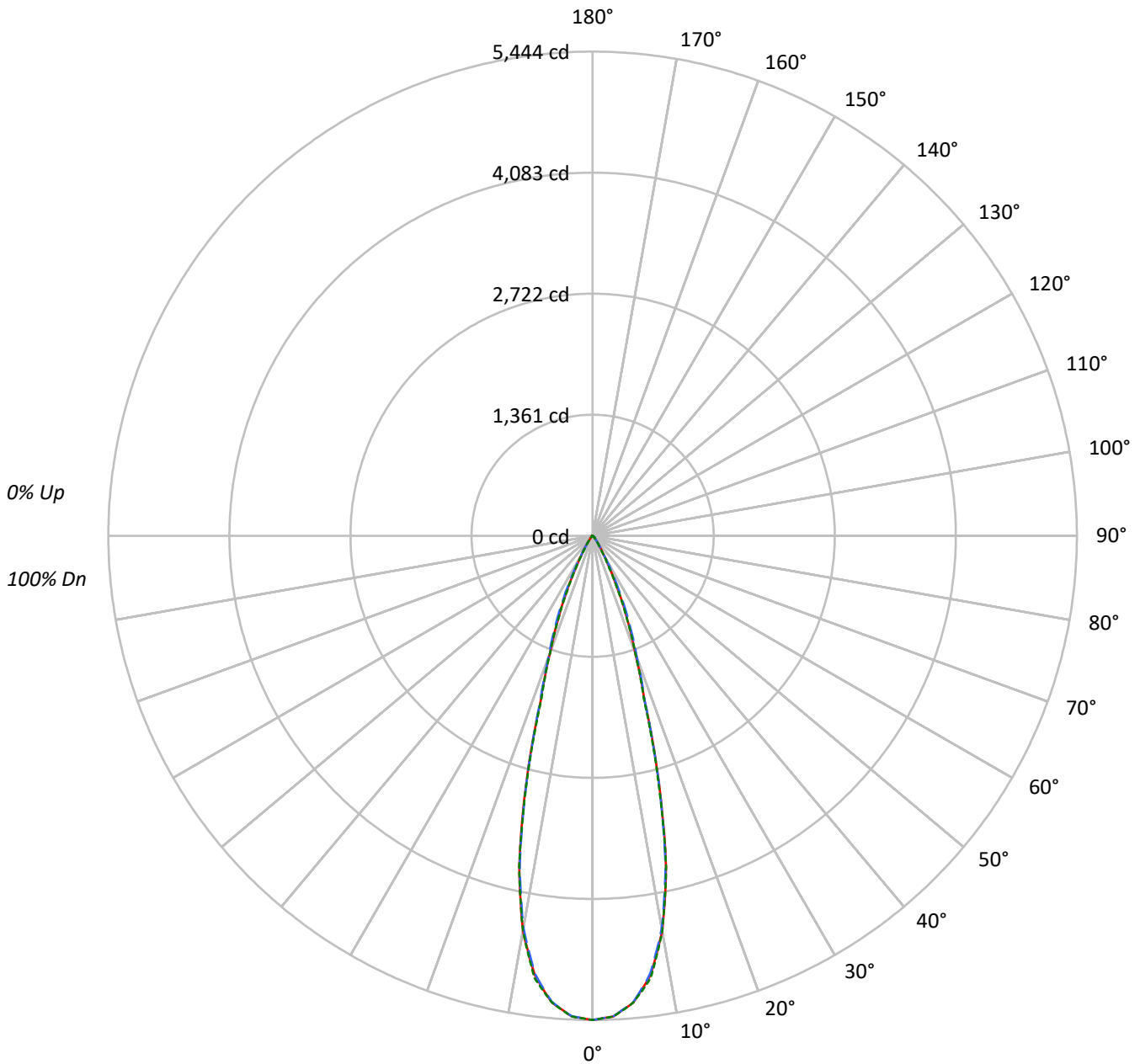
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	416725	416725	416725
5°	404763	404287	404779
10°	350583	348111	350505
15°	228737	227508	226367
20°	113745	118005	113590
25°	57295	64609	56121
30°	22936	24995	19984
35°	10643	10195	8541
40°	4596	5106	4327
45°	3237	4027	3269
50°	1119	2929	1179
55°	641	1214	681
60°	444	536	444
65°	290	290	290
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4027 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.7	28.3
10°-20°	771.0	45.5
20°-30°	333.2	19.7
30°-40°	75.9	4.5
40°-50°	26.1	1.5
50°-60°	6.4	0.4
60°-70°	1.6	0.1
70°-80°	0.2	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°	1582.9	93.5
0°-40°	1658.9	98.0
0°-60°	1691.3	99.9
0°-90°	1693.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5444	5444	5444	5444	5444	
5°	5268	5263	5262	5273	5268	479
15°	2886	2852	2871	2862	2857	773
25°	678	704	765	686	664	325
35°	114	116	109	108	91	77
45°	30	37	37	37	30	21
55°	5	5	9	5	5	5
65°	2	2	2	2	2	2
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°	5444.3	5444.3	5444.3	5444.3	5444.3
2.5°	5408.2	5404.5	5406.6	5409.3	5410.3
5°	5267.9	5262.8	5261.7	5272.7	5268.1
7.5°	4984.8	4977.6	4966.6	4991.5	5014.7
10°	4510.6	4502.6	4478.8	4490.6	4509.6
12.5°	3810.6	3784.6	3784.1	3821.5	3816.5
15°	2886.5	2851.8	2871.0	2861.7	2856.6
17.5°	1941.1	1927.7	1953.4	1945.6	1912.2
20°	1396.4	1399.8	1448.7	1424.2	1394.5
22.5°	1018.9	1031.5	1089.5	1026.1	1002.9
25°	678.4	704.1	765.0	686.1	664.5
27.5°	417.2	429.0	490.8	411.9	400.1
30°	259.5	253.7	282.8	242.7	226.1
32.5°	170.3	162.8	172.1	154.5	141.1
35°	113.9	116.3	109.1	108.3	91.4
37.5°	71.1	81.8	72.2	77.0	58.8
40°	46.0	59.3	51.1	56.4	43.3
42.5°	37.7	45.7	42.0	44.6	38.5
45°	29.9	37.2	37.2	37.2	30.2
47.5°	16.6	24.9	31.8	25.4	17.6
50°	9.4	12.6	24.6	13.1	9.9
52.5°	6.4	7.2	16.8	7.5	6.7
55°	4.8	5.1	9.1	5.3	5.1
57.5°	3.7	4.0	4.8	4.0	3.7
60°	2.9	2.9	3.5	3.2	2.9
62.5°	2.1	2.1	2.4	2.1	2.1
65°	1.6	1.6	1.6	1.6	1.6
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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