

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: P789606

Luminaire Tested: LER6D15D010-EC6DR300215IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789606
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: LER6D15D010-EC6DR300215IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2518.5 lumens
Efficiency: N/A
Efficacy: 159.4 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

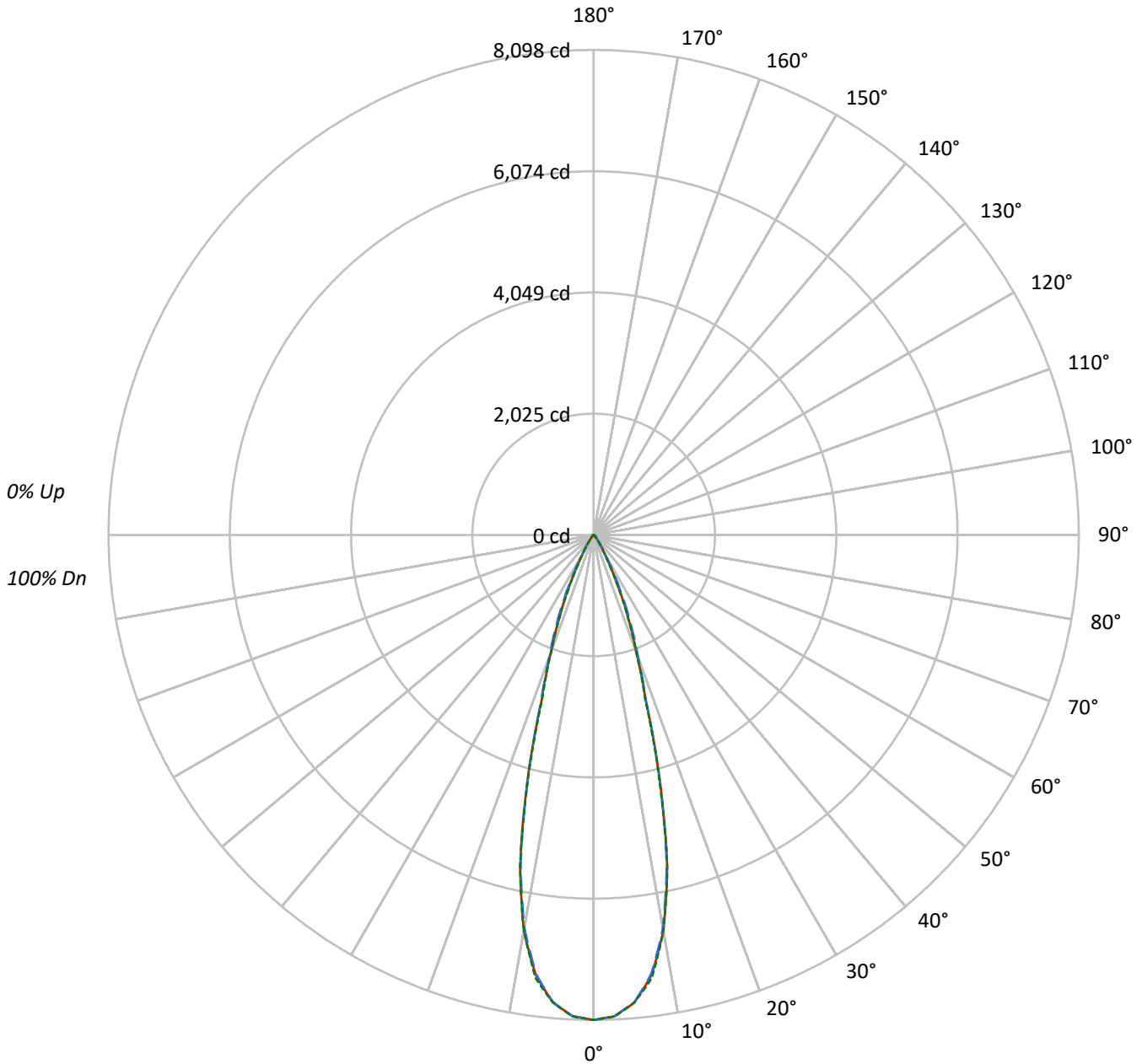
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	619864	619864	619864
5°	602070	601363	602101
10°	521483	517806	521358
15°	340240	338418	336714
20°	169184	175537	168956
25°	85225	96103	83477
30°	34125	37183	29733
35°	15829	15156	12708
40°	6835	7584	6435
45°	4817	5986	4860
50°	1655	4358	1750
55°	961	1802	1014
60°	674	796	674
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.1	28.3
10°-20°	1146.9	45.5
20°-30°	495.6	19.7
30°-40°	113.0	4.5
40°-50°	38.8	1.5
50°-60°	9.5	0.4
60°-70°	2.5	0.1
70°-80°	0.3	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°	2354.6	93.5
0°-40°	2467.5	98.0
0°-60°	2515.8	99.9
0°-90°	2518.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2518.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8098	8098	8098	8098	8098	
5°	7836	7828	7827	7843	7836	713
15°	4294	4242	4271	4257	4249	1150
25°	1009	1047	1138	1021	988	483
35°	169	173	162	161	136	115
45°	44	55	55	55	45	32
55°	7	8	14	8	8	7
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°	8098.2	8098.2	8098.2	8098.2	8098.2
2.5°	8044.5	8039.0	8042.1	8046.1	8047.7
5°	7835.8	7828.2	7826.6	7842.9	7836.2
7.5°	7414.7	7404.0	7387.7	7424.7	7459.3
10°	6709.4	6697.5	6662.1	6679.6	6707.8
12.5°	5668.1	5629.5	5628.7	5684.4	5676.8
15°	4293.6	4241.9	4270.6	4256.6	4249.1
17.5°	2887.3	2867.4	2905.6	2894.1	2844.4
20°	2077.0	2082.2	2155.0	2118.4	2074.2
22.5°	1515.6	1534.3	1620.6	1526.4	1491.8
25°	1009.1	1047.3	1137.9	1020.6	988.4
27.5°	620.6	638.1	730.0	612.7	595.2
30°	386.1	377.3	420.7	361.0	336.4
32.5°	253.3	242.1	256.1	229.8	209.9
35°	169.4	173.0	162.2	161.0	136.0
37.5°	105.8	121.7	107.4	114.5	87.5
40°	68.4	88.3	75.9	83.9	64.4
42.5°	56.1	68.0	62.4	66.4	57.3
45°	44.5	55.3	55.3	55.3	44.9
47.5°	24.7	37.0	47.3	37.8	26.2
50°	13.9	18.7	36.6	19.5	14.7
52.5°	9.5	10.7	25.0	11.1	9.9
55°	7.2	7.6	13.5	8.0	7.6
57.5°	5.6	6.0	7.2	6.0	5.6
60°	4.4	4.4	5.2	4.8	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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