

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: P789467

Luminaire Tested: LER6D15D010-EC6DR1515309050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR1515309050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.3 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

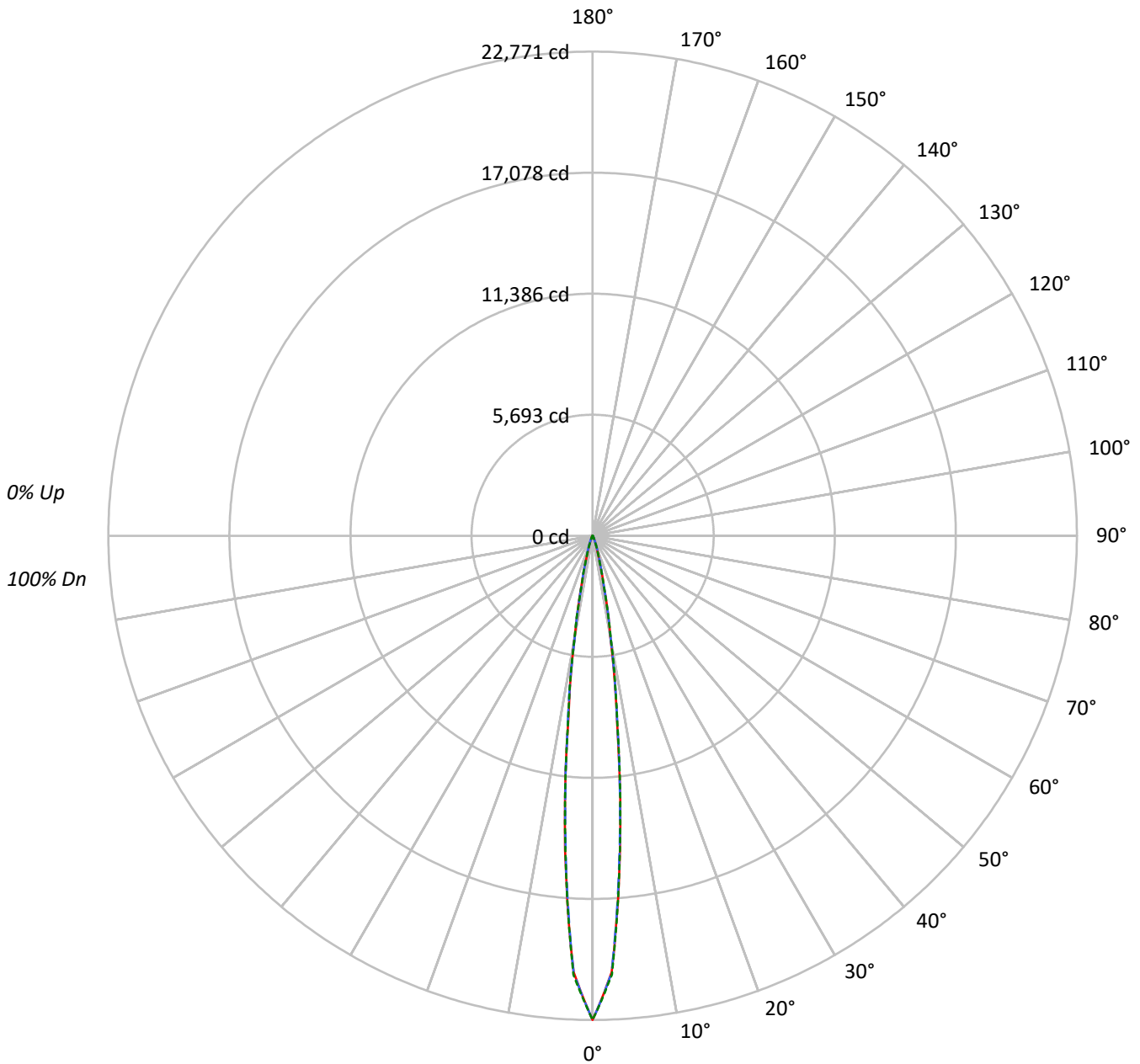
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2562203	2562203	2562203
5°	1505673	1486180	1497929
10°	449369	452523	459447
15°	111776	113956	110438
20°	33441	38727	34153
25°	11786	15019	11942
30°	4328	5706	4403
35°	2171	2447	2099
40°	1371	1506	1371
45°	1015	1078	1015
50°	807	807	807
55°	668	668	668
60°	541	541	541
65°	414	414	414
70°	351	351	351
75°	219	219	295
80°	150	150	150
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1084.0	64.9
10°-20°	445.9	26.7
20°-30°	88.6	5.3
30°-40°	22.1	1.3
40°-50°	11.6	0.7
50°-60°	8.6	0.5
60°-70°	6.1	0.4
70°-80°	3.5	0.2
80°-90°	1.0	0.1
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°	1618.4	96.8
0°-40°	1640.5	98.2
0°-60°	1660.7	99.4
0°-90°	1671.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22771	22771	22771	22771	22771	
5°	14815	14663	14624	14725	14739	1082
15°	1287	1311	1312	1289	1272	441
25°	151	172	193	171	153	79
35°	30	32	34	32	29	20
45°	14	14	15	14	14	11
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22771.1	22771.1	22771.1	22771.1	22771.1
2.5°	20540.5	20557.8	20564.6	20584.8	20660.0
5°	14815.4	14663.1	14623.6	14724.8	14739.2
7.5°	8776.1	8806.9	8919.7	8944.8	8854.2
10°	4816.0	4855.6	4849.8	4884.5	4924.0
12.5°	2463.0	2432.1	2422.5	2462.0	2407.1
15°	1286.9	1311.0	1312.0	1288.8	1271.5
17.5°	692.1	720.1	766.4	728.8	670.9
20°	408.7	433.8	473.3	442.5	417.4
22.5°	252.6	272.8	300.8	276.7	256.4
25°	151.3	171.6	192.8	170.6	153.3
27.5°	89.7	107.0	120.5	106.0	88.7
30°	57.8	67.5	76.2	66.5	58.8
32.5°	40.5	44.3	48.2	44.3	40.5
35°	29.9	31.8	33.7	31.8	28.9
37.5°	23.1	25.1	26.0	24.1	22.2
40°	19.3	20.2	21.2	20.2	19.3
42.5°	16.4	17.4	17.4	17.4	16.4
45°	14.5	14.5	15.4	14.5	14.5
47.5°	12.5	12.5	13.5	12.5	12.5
50°	11.6	11.6	11.6	11.6	11.6
52.5°	10.6	10.6	10.6	10.6	10.6
55°	9.6	9.6	9.6	9.6	9.6
57.5°	8.7	8.7	8.7	8.7	8.7
60°	7.7	7.7	7.7	7.7	7.7
62.5°	6.7	6.7	6.7	6.7	6.7
65°	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
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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