

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: P789442

Luminaire Tested: LER6D15D010-EC6DR1515309030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789442
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-EC6DR1515309030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1393.4 lumens
Efficiency: N/A
Efficacy: 88.2 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

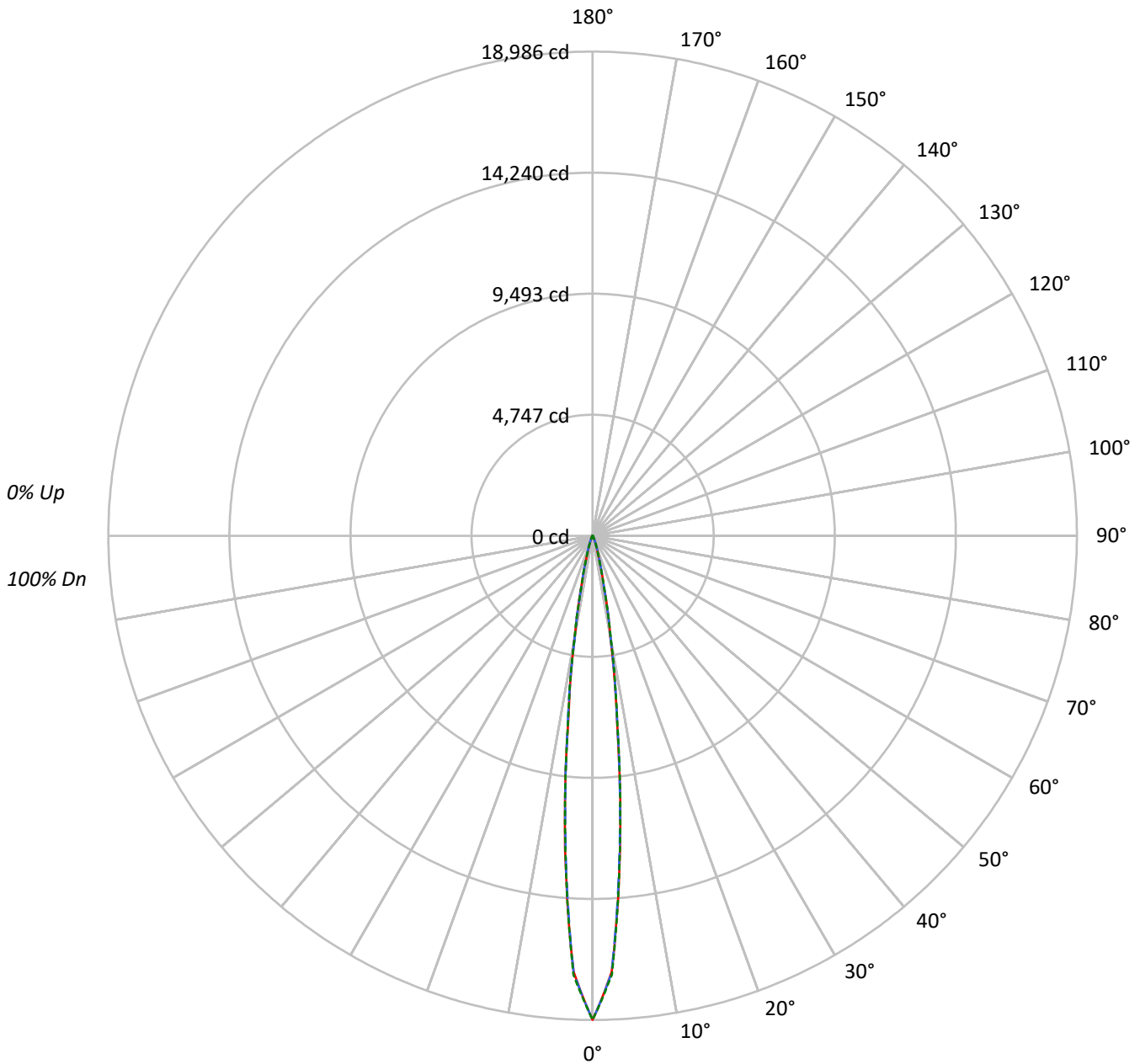


Downlight

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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	99	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°	2136281	2136281	2136281
5°	1255381	1239121	1248928
10°	374677	377299	383074
15°	93197	95013	92077
20°	27885	32287	28474
25°	9831	12519	9956
30°	3609	4755	3669
35°	1808	2041	1750
40°	1143	1257	1143
45°	847	903	847
50°	668	668	668
55°	557	557	557
60°	449	449	449
65°	343	343	343
70°	293	293	293
75°	181	181	242
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.8	64.9
10°-20°	371.7	26.7
20°-30°	73.8	5.3
30°-40°	18.4	1.3
40°-50°	9.7	0.7
50°-60°	7.1	0.5
60°-70°	5.0	0.4
70°-80°	2.9	0.2
80°-90°	0.9	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°	1349.3	96.8
0°-40°	1367.8	98.2
0°-60°	1384.6	99.4
0°-90°	1393.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1393.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18986	18986	18986	18986	18986	
5°	12353	12226	12193	12277	12289	902
15°	1073	1093	1094	1075	1060	368
25°	126	143	161	142	128	66
35°	25	26	28	26	24	17
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	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°	18985.8	18985.8	18985.8	18985.8	18985.8
2.5°	17125.9	17140.4	17146.0	17162.9	17225.6
5°	12352.6	12225.6	12192.6	12277.0	12289.1
7.5°	7317.2	7342.9	7436.9	7457.8	7382.3
10°	4015.5	4048.4	4043.6	4072.5	4105.5
12.5°	2053.5	2027.8	2019.8	2052.7	2006.9
15°	1073.0	1093.1	1093.9	1074.6	1060.1
17.5°	577.1	600.4	639.0	607.6	559.4
20°	340.8	361.7	394.6	368.9	348.0
22.5°	210.6	227.5	250.8	230.7	213.8
25°	126.2	143.1	160.7	142.3	127.8
27.5°	74.7	89.2	100.5	88.4	73.9
30°	48.2	56.3	63.5	55.5	49.0
32.5°	33.8	37.0	40.2	37.0	33.8
35°	24.9	26.5	28.1	26.5	24.1
37.5°	19.3	20.9	21.7	20.1	18.5
40°	16.1	16.9	17.7	16.9	16.1
42.5°	13.7	14.5	14.5	14.5	13.7
45°	12.1	12.1	12.9	12.1	12.1
47.5°	10.4	10.4	11.3	10.4	10.4
50°	9.6	9.6	9.6	9.6	9.6
52.5°	8.8	8.8	8.8	8.8	8.8
55°	8.0	8.0	8.0	8.0	8.0
57.5°	7.2	7.2	7.2	7.2	7.2
60°	6.4	6.4	6.4	6.4	6.4
62.5°	5.6	5.6	5.6	5.6	5.6
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.4	3.2
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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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