

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: P788197

Luminaire Tested: LER6D08D010-EC6DR150210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788197
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: LER6D08D010-EC6DR150210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 867.8 lumens
Efficiency: N/A
Efficacy: 97.5 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

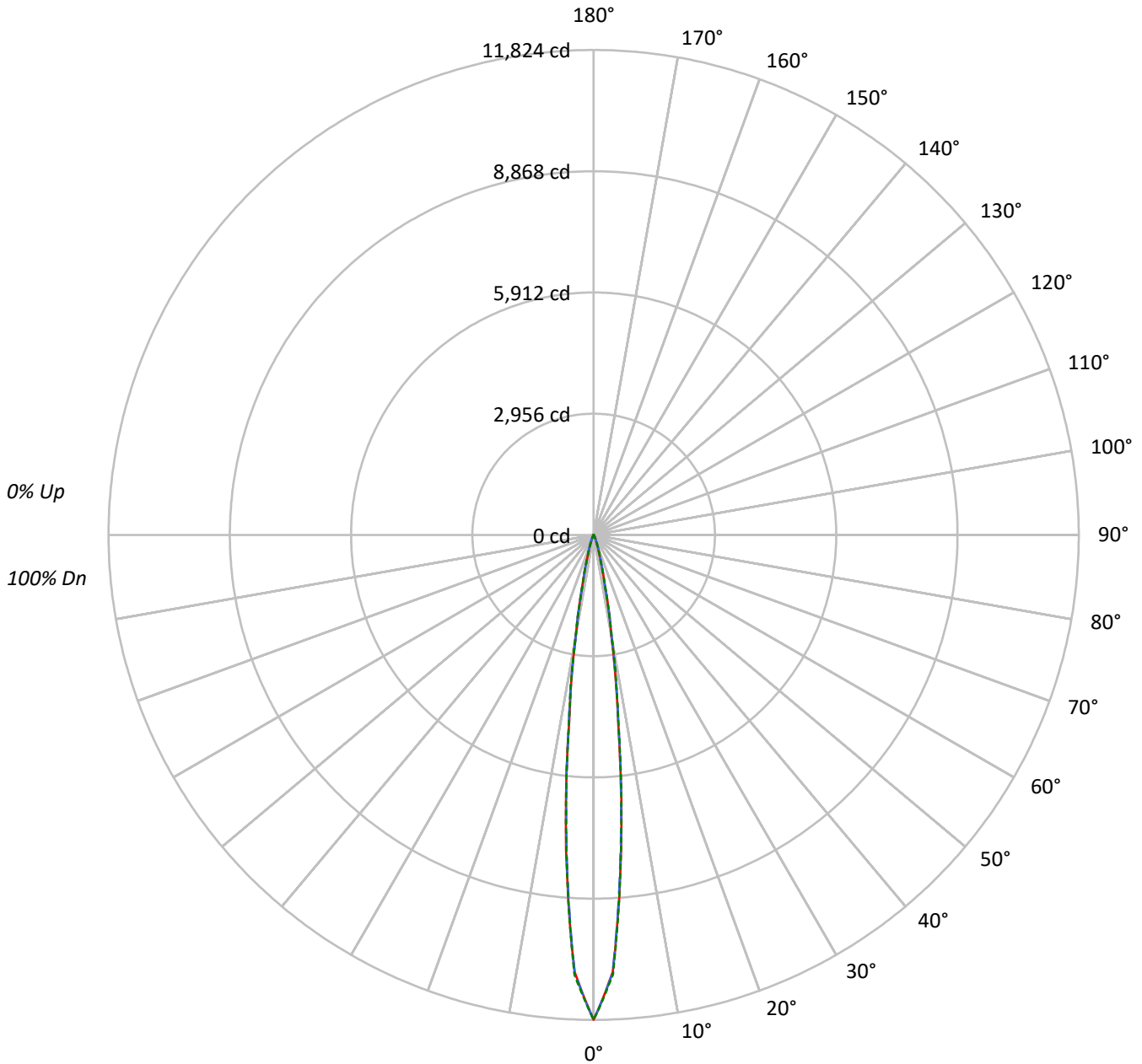
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1330425	1330425	1330425
5°	781821	771699	777796
10°	233334	234967	238569
15°	58038	59167	57343
20°	17363	20112	17731
25°	6123	7798	6201
30°	2246	2958	2284
35°	1126	1271	1089
40°	710	781	710
45°	525	560	525
50°	417	417	417
55°	348	348	348
60°	281	281	281
65°	214	214	214
70°	183	183	183
75°	113	113	151
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.8	64.9
10°-20°	231.5	26.7
20°-30°	46.0	5.3
30°-40°	11.5	1.3
40°-50°	6.0	0.7
50°-60°	4.5	0.5
60°-70°	3.2	0.4
70°-80°	1.8	0.2
80°-90°	0.5	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°	840.3	96.8
0°-40°	851.8	98.2
0°-60°	862.3	99.4
0°-90°	867.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11824	11824	11824	11824	11824	
5°	7693	7614	7593	7646	7653	562
15°	668	681	681	669	660	229
25°	79	89	100	89	80	41
35°	16	16	18	16	15	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11823.9	11823.9	11823.9	11823.9	11823.9
2.5°	10665.6	10674.6	10678.1	10688.6	10727.7
5°	7692.9	7613.8	7593.3	7645.8	7653.3
7.5°	4557.0	4573.0	4631.5	4644.6	4597.5
10°	2500.7	2521.2	2518.2	2536.3	2556.8
12.5°	1278.9	1262.9	1257.9	1278.4	1249.9
15°	668.2	680.7	681.2	669.2	660.2
17.5°	359.4	373.9	397.9	378.4	348.4
20°	212.2	225.2	245.8	229.7	216.7
22.5°	131.1	141.7	156.2	143.7	133.1
25°	78.6	89.1	100.1	88.6	79.6
27.5°	46.6	55.6	62.6	55.1	46.1
30°	30.0	35.0	39.5	34.5	30.5
32.5°	21.0	23.0	25.0	23.0	21.0
35°	15.5	16.5	17.5	16.5	15.0
37.5°	12.0	13.0	13.5	12.5	11.5
40°	10.0	10.5	11.0	10.5	10.0
42.5°	8.5	9.0	9.0	9.0	8.5
45°	7.5	7.5	8.0	7.5	7.5
47.5°	6.5	6.5	7.0	6.5	6.5
50°	6.0	6.0	6.0	6.0	6.0
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.0	5.0	5.0	5.0	5.0
57.5°	4.5	4.5	4.5	4.5	4.5
60°	4.0	4.0	4.0	4.0	4.0
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	2.5	2.5	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





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

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