

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: P788180

Luminaire Tested: LER6D08D010-EC6DR150210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788180
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-EC6DR150210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 81.0 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

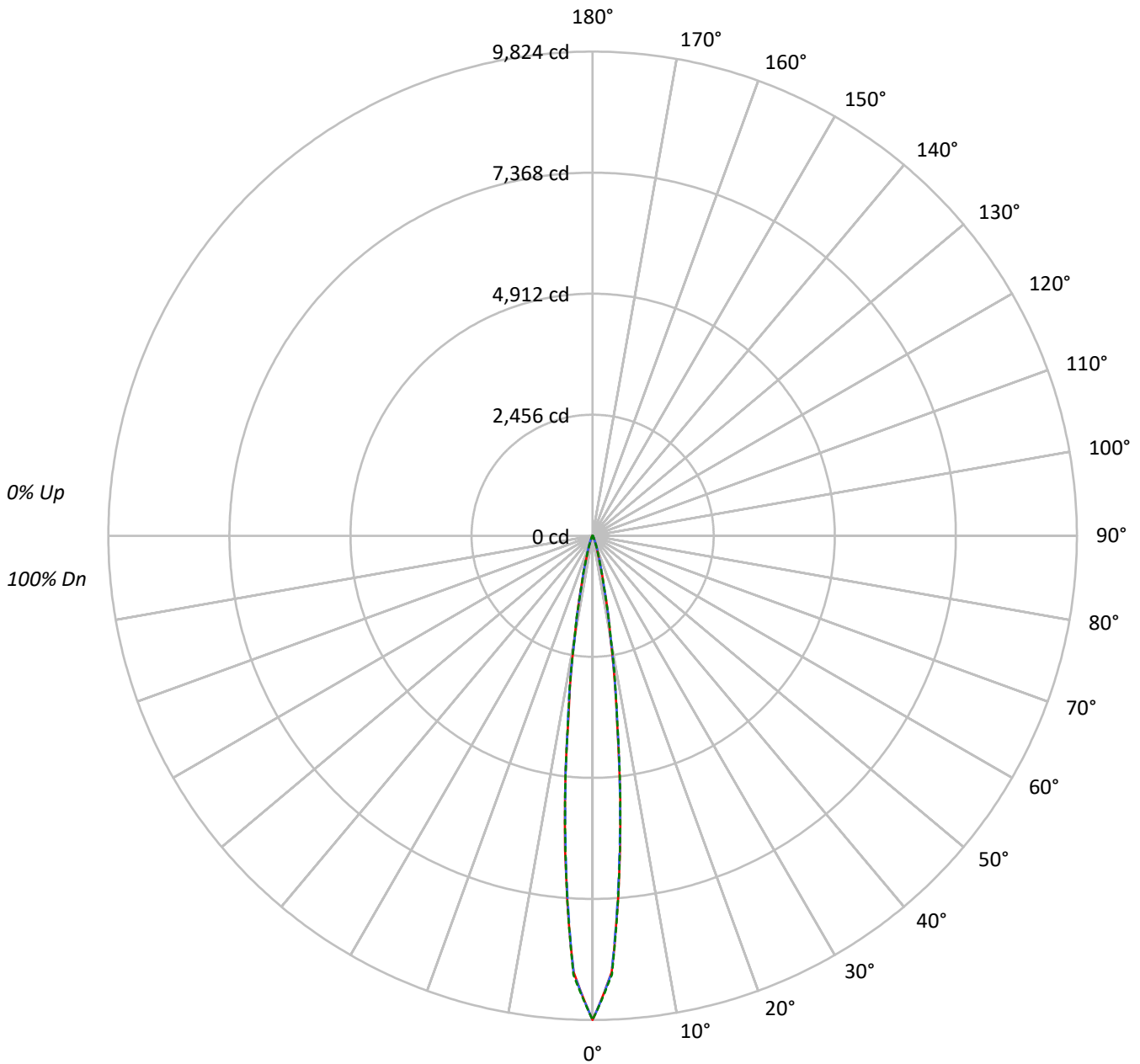
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1105430	1105430	1105430
5°	649602	641187	646268
10°	193875	195237	198223
15°	48223	49161	47650
20°	14425	16708	14736
25°	5087	6481	5149
30°	1872	2464	1902
35°	937	1060	908
40°	589	646	589
45°	434	469	434
50°	348	348	348
55°	292	292	292
60°	232	232	232
65°	178	178	178
70°	154	154	154
75°	91	91	128
80°	63	63	63
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 469 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.7	64.9
10°-20°	192.4	26.7
20°-30°	38.2	5.3
30°-40°	9.5	1.3
40°-50°	5.0	0.7
50°-60°	3.7	0.5
60°-70°	2.6	0.4
70°-80°	1.5	0.2
80°-90°	0.4	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°	698.2	96.8
0°-40°	707.8	98.2
0°-60°	716.5	99.4
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9824	9824	9824	9824	9824	
5°	6392	6326	6309	6353	6359	467
15°	555	566	566	556	549	190
25°	65	74	83	74	66	34
35°	13	14	15	14	12	9
45°	6	6	7	6	6	5
55°	4	4	4	4	4	4
65°	2	2	2	2	2	3
75°	1	1	1	1	2	1
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°	9824.3	9824.3	9824.3	9824.3	9824.3
2.5°	8861.9	8869.4	8872.3	8881.0	8913.5
5°	6391.9	6326.2	6309.1	6352.8	6359.1
7.5°	3786.3	3799.6	3848.3	3859.1	3820.0
10°	2077.8	2094.9	2092.4	2107.3	2124.4
12.5°	1062.6	1049.3	1045.1	1062.2	1038.5
15°	555.2	565.6	566.0	556.1	548.6
17.5°	298.6	310.7	330.6	314.4	289.5
20°	176.3	187.2	204.2	190.9	180.1
22.5°	109.0	117.7	129.8	119.4	110.6
25°	65.3	74.0	83.2	73.6	66.1
27.5°	38.7	46.2	52.0	45.7	38.3
30°	25.0	29.1	32.9	28.7	25.4
32.5°	17.5	19.1	20.8	19.1	17.5
35°	12.9	13.7	14.6	13.7	12.5
37.5°	10.0	10.8	11.2	10.4	9.6
40°	8.3	8.7	9.1	8.7	8.3
42.5°	7.1	7.5	7.5	7.5	7.1
45°	6.2	6.2	6.7	6.2	6.2
47.5°	5.4	5.4	5.8	5.4	5.4
50°	5.0	5.0	5.0	5.0	5.0
52.5°	4.6	4.6	4.6	4.6	4.6
55°	4.2	4.2	4.2	4.2	4.2
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.9	2.9	2.9	2.9	2.9
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.2	1.2	1.2	1.2	1.7
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
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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