

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: P788203

Luminaire Tested: LER6D08D010-EC6DR150210IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788203
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-EC6DR150210IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 818.9 lumens
Efficiency: N/A
Efficacy: 92.0 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

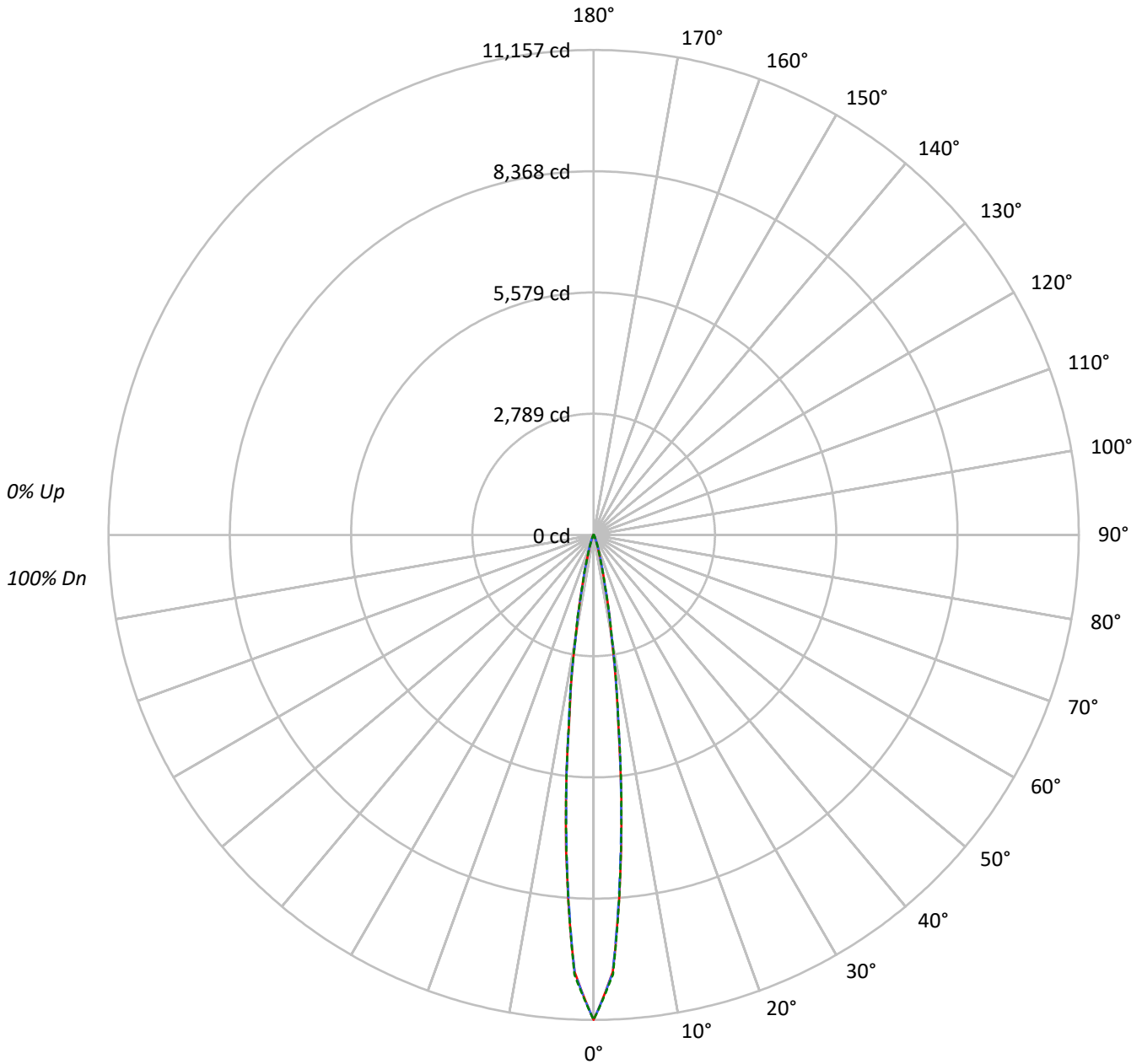
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1255419	1255419	1255419
5°	737745	728191	733954
10°	220178	221727	225114
15°	54772	55832	54112
20°	16389	18975	16733
25°	5780	7362	5850
30°	2119	2793	2157
35°	1060	1198	1031
40°	668	739	668
45°	497	532	497
50°	396	396	396
55°	327	327	327
60°	267	267	267
65°	200	200	200
70°	176	176	176
75°	106	106	144
80°	71	71	71
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.1	64.9
10°-20°	218.5	26.7
20°-30°	43.4	5.3
30°-40°	10.8	1.3
40°-50°	5.7	0.7
50°-60°	4.2	0.5
60°-70°	3.0	0.4
70°-80°	1.7	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°	793.0	96.8
0°-40°	803.8	98.2
0°-60°	813.7	99.4
0°-90°	818.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	818.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11157	11157	11157	11157	11157	
5°	7259	7184	7165	7215	7222	530
15°	631	642	643	632	623	216
25°	74	84	94	84	75	39
35°	15	16	16	16	14	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	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°	11157.3	11157.3	11157.3	11157.3	11157.3
2.5°	10064.3	10072.8	10076.1	10086.0	10122.9
5°	7259.2	7184.5	7165.2	7214.8	7221.9
7.5°	4300.0	4315.2	4370.4	4382.7	4338.3
10°	2359.7	2379.1	2376.3	2393.3	2412.6
12.5°	1206.8	1191.7	1187.0	1206.3	1179.4
15°	630.6	642.4	642.8	631.5	623.0
17.5°	339.1	352.8	375.5	357.1	328.7
20°	200.3	212.5	231.9	216.8	204.5
22.5°	123.7	133.7	147.4	135.6	125.6
25°	74.2	84.1	94.5	83.6	75.1
27.5°	43.9	52.4	59.0	52.0	43.5
30°	28.3	33.1	37.3	32.6	28.8
32.5°	19.8	21.7	23.6	21.7	19.8
35°	14.6	15.6	16.5	15.6	14.2
37.5°	11.3	12.3	12.8	11.8	10.9
40°	9.4	9.9	10.4	9.9	9.4
42.5°	8.0	8.5	8.5	8.5	8.0
45°	7.1	7.1	7.6	7.1	7.1
47.5°	6.1	6.1	6.6	6.1	6.1
50°	5.7	5.7	5.7	5.7	5.7
52.5°	5.2	5.2	5.2	5.2	5.2
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.3	4.3	4.3	4.3	4.3
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
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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