

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: P788221

Luminaire Tested: LER6D08D010-EC6DR150210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788221
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-EC6DR150210IC9050-6LBS1LI
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: 930.4 lumens
Efficiency: N/A
Efficacy: 104.5 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

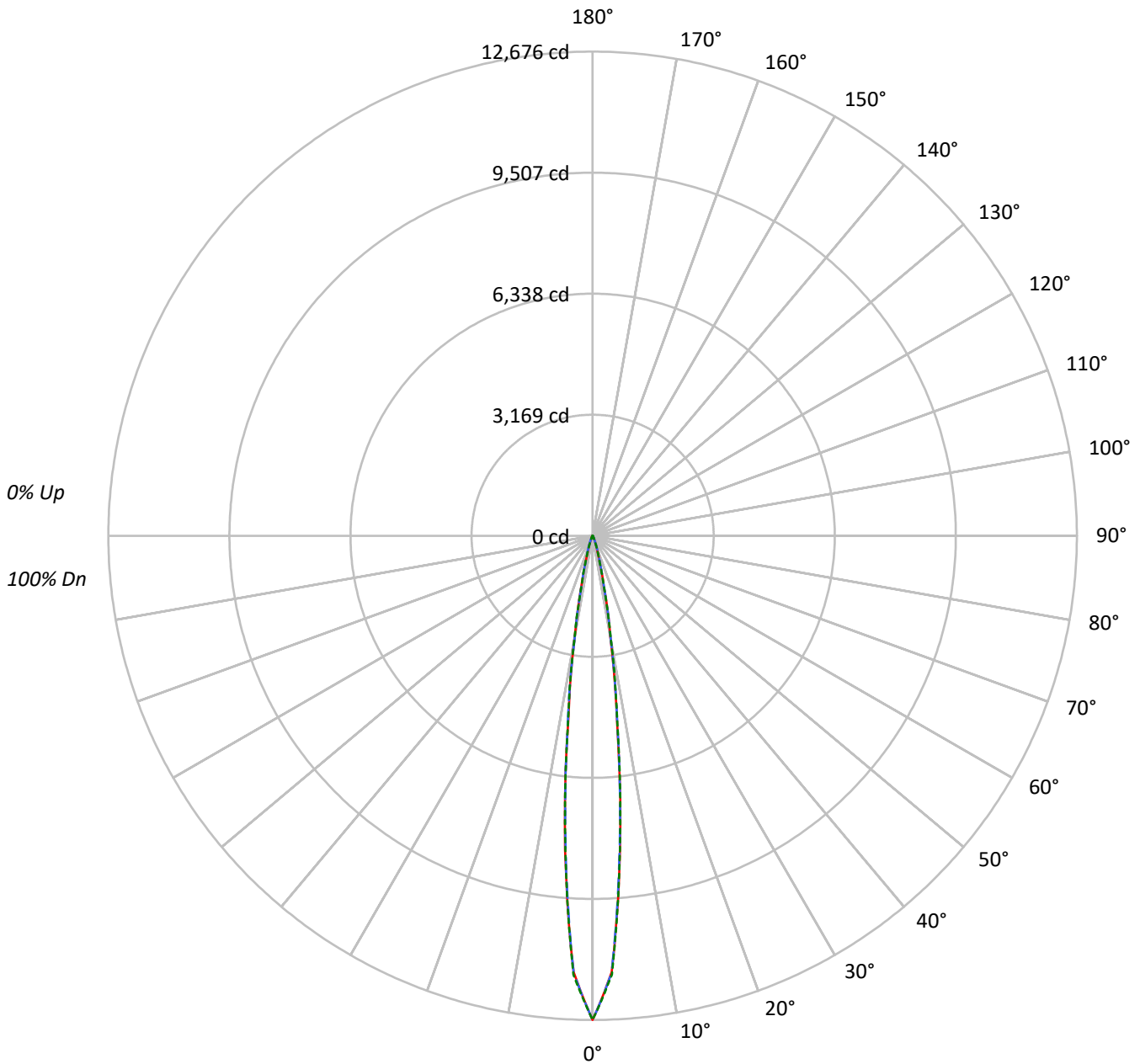
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1426303	1426303	1426303
5°	838164	827310	833855
10°	250158	251903	255765
15°	62224	63432	61477
20°	18615	21560	19016
25°	6559	8359	6645
30°	2411	3175	2449
35°	1205	1365	1169
40°	760	838	760
45°	560	602	560
50°	445	445	445
55°	376	376	376
60°	302	302	302
65°	228	228	228
70°	197	197	197
75°	121	121	159
80°	87	87	87
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 602 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.4	64.9
10°-20°	248.2	26.7
20°-30°	49.3	5.3
30°-40°	12.3	1.3
40°-50°	6.5	0.7
50°-60°	4.8	0.5
60°-70°	3.4	0.4
70°-80°	1.9	0.2
80°-90°	0.6	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°	900.9	96.8
0°-40°	913.2	98.2
0°-60°	924.5	99.4
0°-90°	930.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12676	12676	12676	12676	12676	
5°	8247	8162	8140	8197	8205	602
15°	716	730	730	718	708	246
25°	84	96	107	95	85	44
35°	17	18	19	18	16	11
45°	8	8	9	8	8	6
55°	5	5	5	5	5	5
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°	12676.0	12676.0	12676.0	12676.0	12676.0
2.5°	11434.3	11443.9	11447.7	11459.0	11500.8
5°	8247.3	8162.5	8140.5	8196.9	8204.9
7.5°	4885.4	4902.6	4965.3	4979.3	4928.9
10°	2681.0	2703.0	2699.7	2719.1	2741.1
12.5°	1371.1	1353.9	1348.5	1370.5	1339.9
15°	716.4	729.8	730.3	717.5	707.8
17.5°	385.3	400.9	426.6	405.7	373.5
20°	227.5	241.5	263.5	246.3	232.4
22.5°	140.6	151.9	167.4	154.0	142.7
25°	84.2	95.5	107.3	95.0	85.3
27.5°	49.9	59.6	67.1	59.0	49.4
30°	32.2	37.6	42.4	37.0	32.7
32.5°	22.5	24.7	26.8	24.7	22.5
35°	16.6	17.7	18.8	17.7	16.1
37.5°	12.9	14.0	14.5	13.4	12.3
40°	10.7	11.3	11.8	11.3	10.7
42.5°	9.1	9.7	9.7	9.7	9.1
45°	8.0	8.0	8.6	8.0	8.0
47.5°	7.0	7.0	7.5	7.0	7.0
50°	6.4	6.4	6.4	6.4	6.4
52.5°	5.9	5.9	5.9	5.9	5.9
55°	5.4	5.4	5.4	5.4	5.4
57.5°	4.8	4.8	4.8	4.8	4.8
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
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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