

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: P788213

Luminaire Tested: LER6D08D010-EC6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788213  
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-EC6DR150210IC9040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 941.5 lumens  
Efficiency: N/A  
Efficacy: 105.8 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

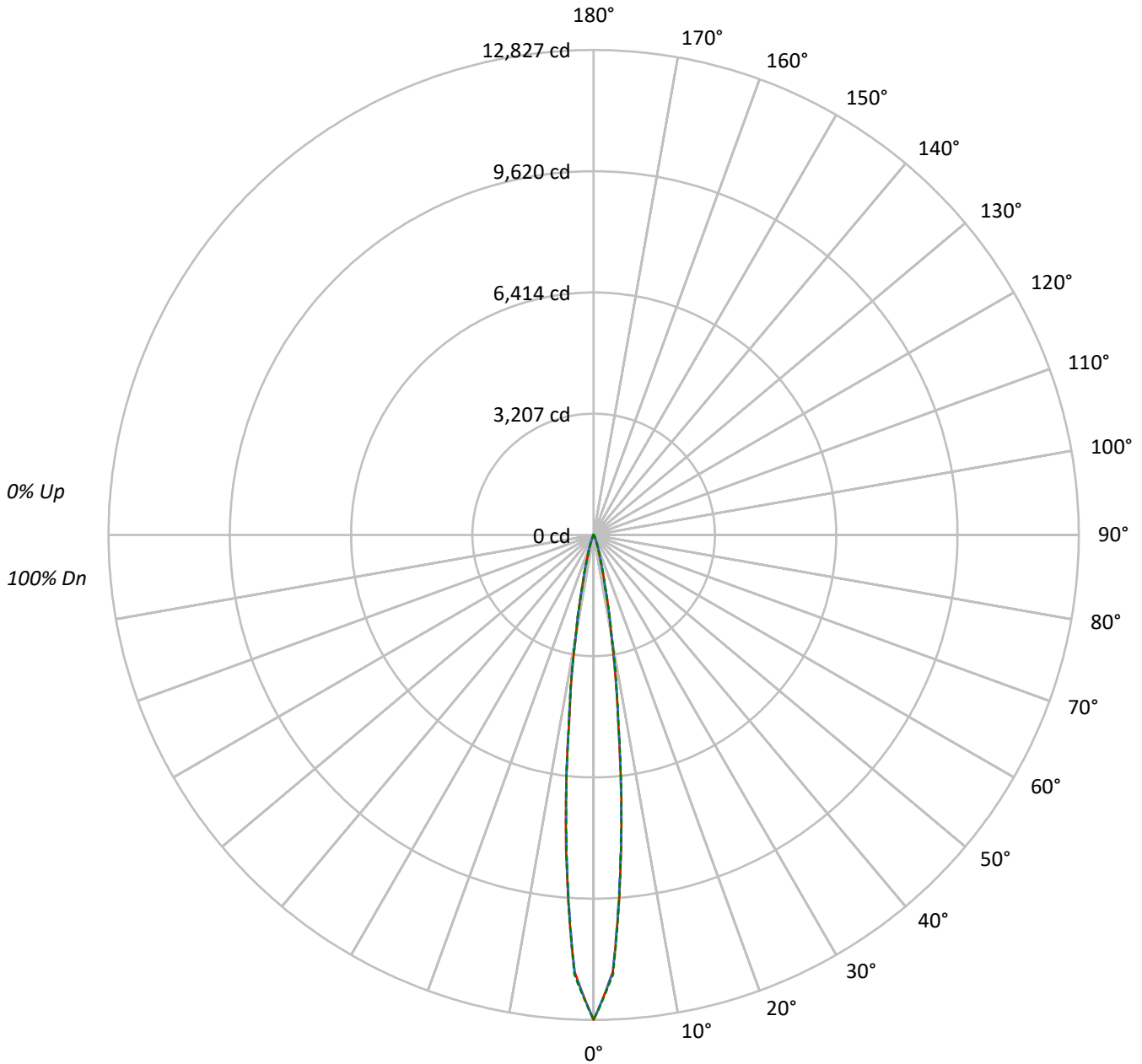
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1443327	1443327	1443327
5°	848164	837188	843804
10°	253134	254907	258817
15°	62963	64196	62207
20°	18836	21814	19237
25°	6645	8460	6723
30°	2441	3212	2479
35°	1220	1380	1184
40°	774	845	774
45°	567	609	567
50°	452	452	452
55°	376	376	376
60°	302	302	302
65°	236	236	236
70°	197	197	197
75°	121	121	166
80°	87	87	87
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 609 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.6	64.9
10°-20°	251.2	26.7
20°-30°	49.9	5.3
30°-40°	12.5	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°	911.6	96.8
0°-40°	924.1	98.2
0°-60°	935.5	99.4
0°-90°	941.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12827	12827	12827	12827	12827	
5°	8346	8260	8238	8295	8303	609
15°	725	738	739	726	716	249
25°	85	97	109	96	86	45
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°	12827.3	12827.3	12827.3	12827.3	12827.3
2.5°	11570.7	11580.5	11584.3	11595.7	11638.1
5°	8345.7	8259.9	8237.7	8294.7	8302.8
7.5°	4943.7	4961.1	5024.6	5038.7	4987.7
10°	2712.9	2735.2	2731.9	2751.5	2773.8
12.5°	1387.4	1370.0	1364.6	1386.9	1355.9
15°	724.9	738.5	739.1	726.0	716.2
17.5°	389.9	405.6	431.7	410.5	377.9
20°	230.2	244.4	266.6	249.2	235.1
22.5°	142.3	153.7	169.4	155.8	144.4
25°	85.3	96.7	108.6	96.1	86.3
27.5°	50.5	60.3	67.9	59.7	50.0
30°	32.6	38.0	42.9	37.5	33.1
32.5°	22.8	25.0	27.2	25.0	22.8
35°	16.8	17.9	19.0	17.9	16.3
37.5°	13.0	14.1	14.7	13.6	12.5
40°	10.9	11.4	11.9	11.4	10.9
42.5°	9.2	9.8	9.8	9.8	9.2
45°	8.1	8.1	8.7	8.1	8.1
47.5°	7.1	7.1	7.6	7.1	7.1
50°	6.5	6.5	6.5	6.5	6.5
52.5°	6.0	6.0	6.0	6.0	6.0
55°	5.4	5.4	5.4	5.4	5.4
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.6	1.6	1.6	1.6	2.2
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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(END OF REPORT)