

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: P788195

Luminaire Tested: LER6D08D010-EC6DR150210IC9030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788195  
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-EC6DR150210IC9030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 775.7 lumens  
Efficiency: N/A  
Efficacy: 87.2 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

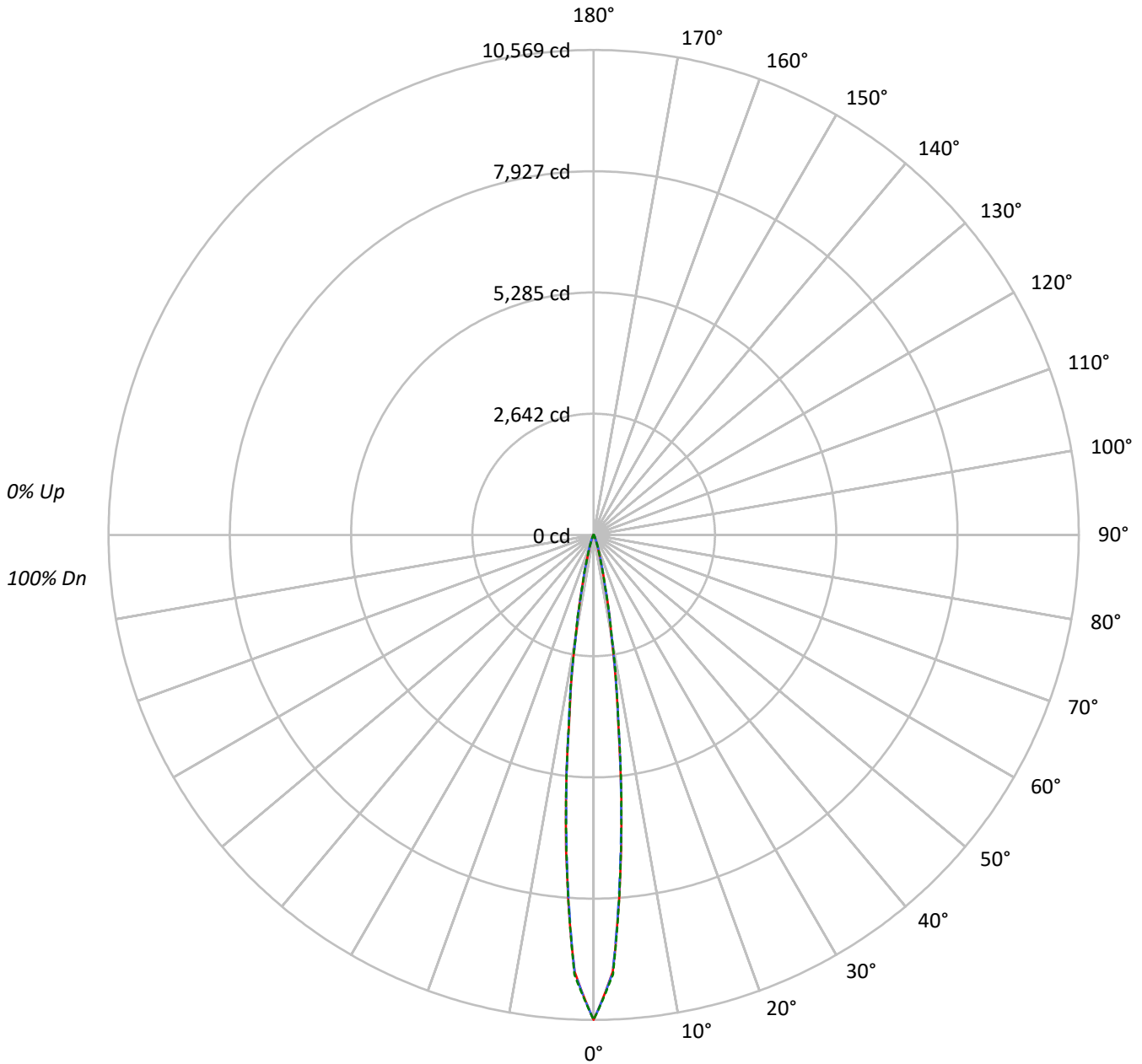
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1189201	1189201	1189201
5°	698831	689786	695243
10°	208570	210026	213245
15°	51880	52887	51254
20°	15522	17976	15849
25°	5469	6972	5539
30°	2007	2643	2044
35°	1009	1140	973
40°	632	696	632
45°	469	504	469
50°	375	375	375
55°	313	313	313
60°	253	253	253
65°	193	193	193
70°	161	161	161
75°	98	98	136
80°	71	71	71
85°	33	33	33

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 504 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	503.1	64.9
10°-20°	206.9	26.7
20°-30°	41.1	5.3
30°-40°	10.3	1.3
40°-50°	5.4	0.7
50°-60°	4.0	0.5
60°-70°	2.8	0.4
70°-80°	1.6	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°	751.1	96.8
0°-40°	761.4	98.2
0°-60°	770.8	99.4
0°-90°	775.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10569	10569	10569	10569	10569	
5°	6876	6806	6787	6834	6841	502
15°	597	608	609	598	590	205
25°	70	80	90	79	71	37
35°	14	15	16	15	13	9
45°	7	7	7	7	7	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
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°	10568.8	10568.8	10568.8	10568.8	10568.8
2.5°	9533.5	9541.6	9544.7	9554.1	9589.0
5°	6876.3	6805.6	6787.3	6834.3	6841.0
7.5°	4073.3	4087.6	4139.9	4151.6	4109.5
10°	2235.3	2253.6	2250.9	2267.1	2285.4
12.5°	1143.1	1128.8	1124.4	1142.7	1117.2
15°	597.3	608.5	608.9	598.2	590.1
17.5°	321.2	334.2	355.7	338.2	311.4
20°	189.7	201.3	219.7	205.4	193.7
22.5°	117.2	126.6	139.6	128.4	119.0
25°	70.2	79.6	89.5	79.2	71.1
27.5°	41.6	49.7	55.9	49.2	41.2
30°	26.8	31.3	35.3	30.9	27.3
32.5°	18.8	20.6	22.4	20.6	18.8
35°	13.9	14.8	15.7	14.8	13.4
37.5°	10.7	11.6	12.1	11.2	10.3
40°	8.9	9.4	9.8	9.4	8.9
42.5°	7.6	8.1	8.1	8.1	7.6
45°	6.7	6.7	7.2	6.7	6.7
47.5°	5.8	5.8	6.3	5.8	5.8
50°	5.4	5.4	5.4	5.4	5.4
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	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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