

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: P788189

Luminaire Tested: LER6D08D010-EC6DR150210IC9027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788189  
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-EC6DR150210IC9027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 840.5 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

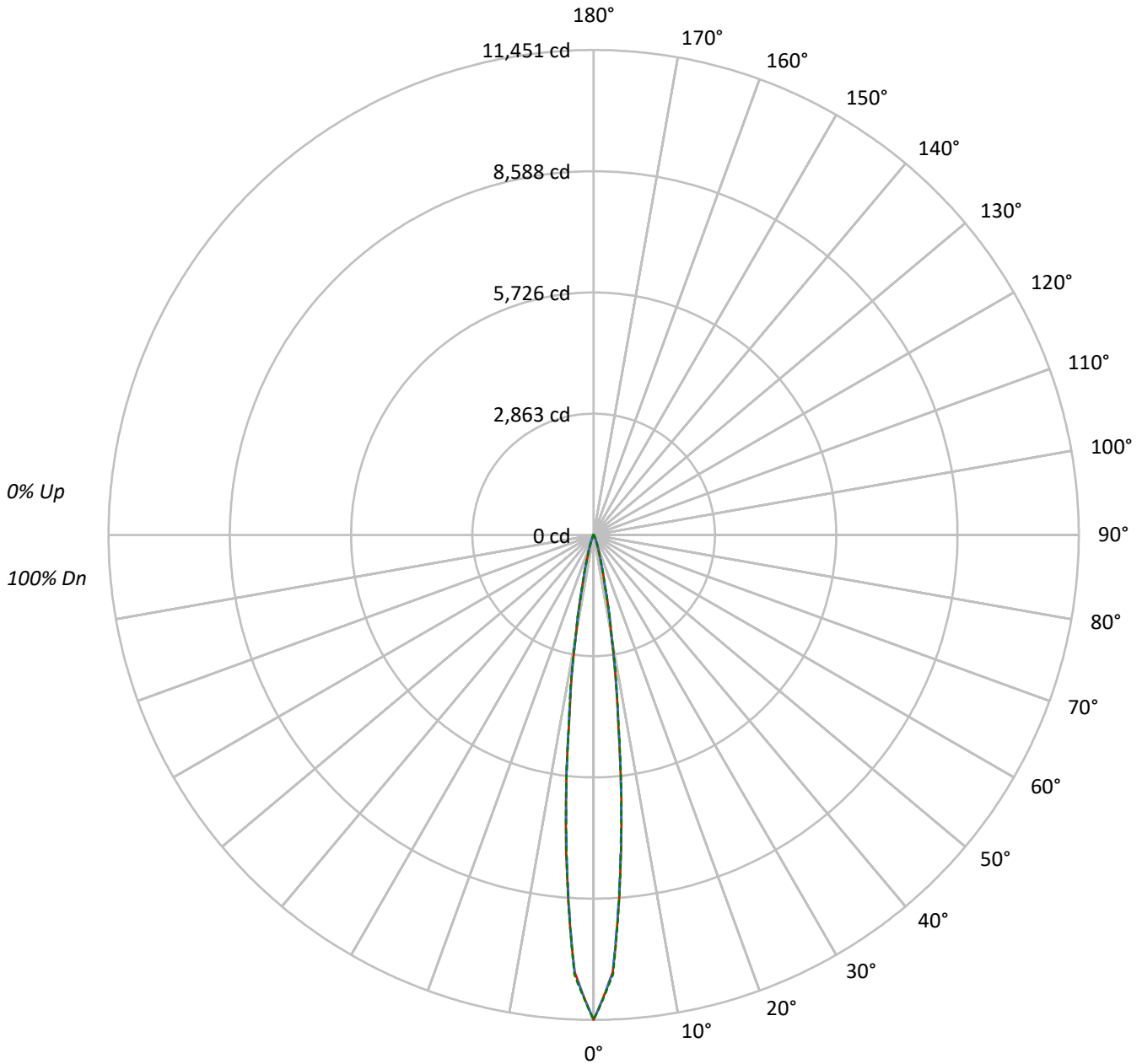


Downlight

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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	87	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°	1288466	1288466	1288466
5°	757166	747359	753273
10°	225982	227559	231048
15°	56214	57308	55536
20°	16815	19474	17175
25°	5928	7556	6006
30°	2179	2868	2216
35°	1089	1235	1053
40°	689	760	689
45°	511	546	511
50°	403	403	403
55°	334	334	334
60°	274	274	274
65°	207	207	207
70°	176	176	176
75°	113	113	144
80°	79	79	79
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 546 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	545.1	64.9
10°-20°	224.2	26.7
20°-30°	44.5	5.3
30°-40°	11.1	1.3
40°-50°	5.8	0.7
50°-60°	4.3	0.5
60°-70°	3.1	0.4
70°-80°	1.8	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°	813.8	96.8
0°-40°	824.9	98.2
0°-60°	835.1	99.4
0°-90°	840.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11451	11451	11451	11451	11451	
5°	7450	7374	7354	7405	7412	544
15°	647	659	660	648	639	222
25°	76	86	97	86	77	40
35°	15	16	17	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°	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°	11451.0	11451.0	11451.0	11451.0	11451.0
2.5°	10329.3	10338.0	10341.4	10351.6	10389.4
5°	7450.3	7373.7	7353.8	7404.7	7412.0
7.5°	4413.3	4428.8	4485.5	4498.1	4452.5
10°	2421.9	2441.7	2438.8	2456.3	2476.2
12.5°	1238.6	1223.1	1218.2	1238.1	1210.4
15°	647.2	659.3	659.8	648.1	639.4
17.5°	348.1	362.1	385.4	366.5	337.4
20°	205.5	218.1	238.0	222.5	209.9
22.5°	127.0	137.2	151.2	139.1	128.9
25°	76.1	86.3	97.0	85.8	77.1
27.5°	45.1	53.8	60.6	53.3	44.6
30°	29.1	33.9	38.3	33.4	29.6
32.5°	20.4	22.3	24.2	22.3	20.4
35°	15.0	16.0	17.0	16.0	14.5
37.5°	11.6	12.6	13.1	12.1	11.1
40°	9.7	10.2	10.7	10.2	9.7
42.5°	8.2	8.7	8.7	8.7	8.2
45°	7.3	7.3	7.8	7.3	7.3
47.5°	6.3	6.3	6.8	6.3	6.3
50°	5.8	5.8	5.8	5.8	5.8
52.5°	5.3	5.3	5.3	5.3	5.3
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.4	4.4	4.4	4.4	4.4
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.4	3.4	3.4	3.4	3.4
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
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)