

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: P758985

Luminaire Tested: LD6D08D010-EU6DR150210IC9050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P758985  
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: LD6D08D010-EU6DR150210IC9050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 831.6 lumens  
Efficiency: N/A  
Efficacy: 93.4 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 (Ain): 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

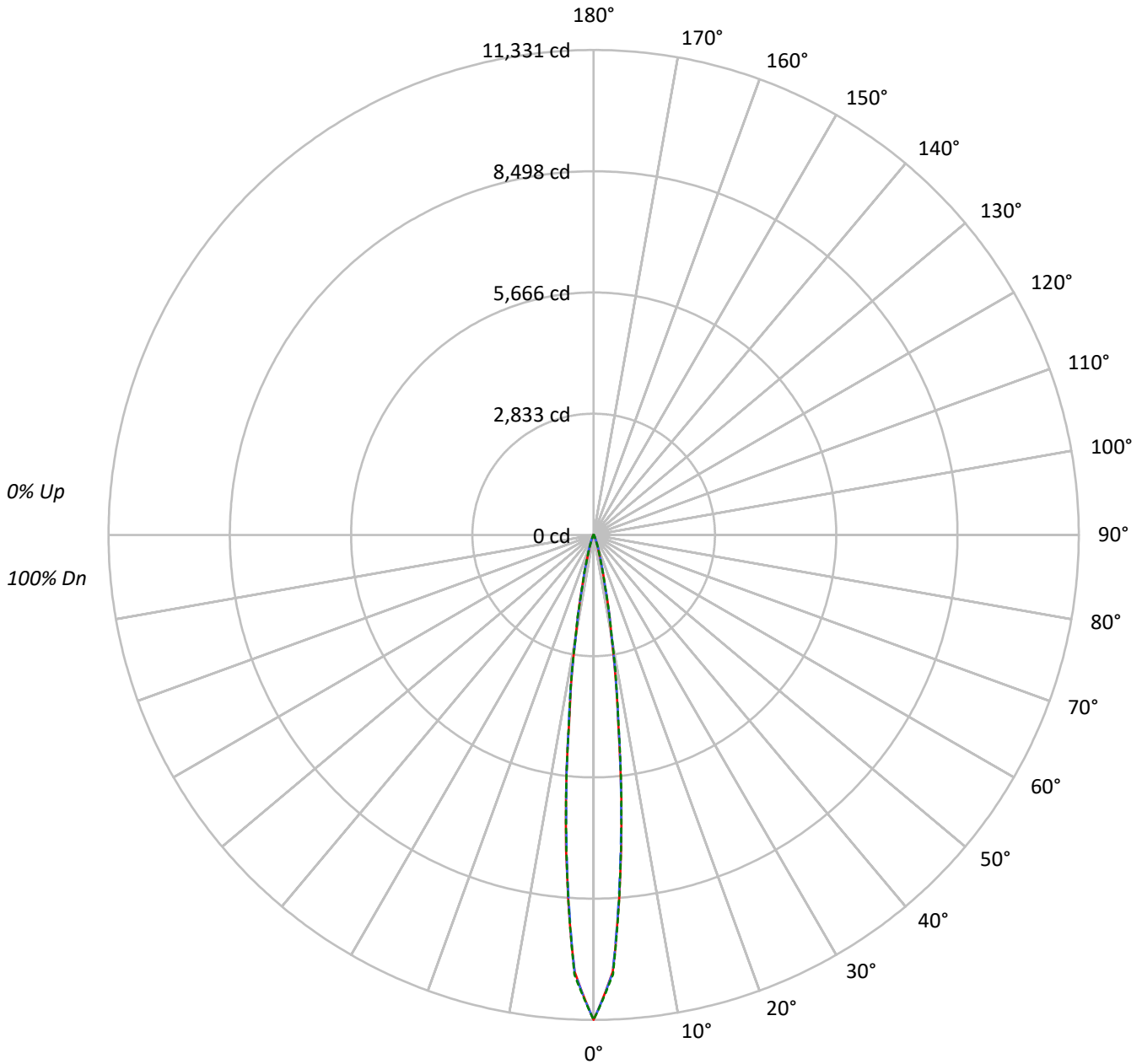


Downlight



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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°	1274919	1274919	1274919
5°	749198	739503	745346
10°	223602	225170	228613
15°	55614	56700	54954
20°	16643	19269	16995
25°	5866	7471	5944
30°	2157	2838	2194
35°	1082	1220	1046
40°	682	753	682
45°	504	539	504
50°	403	403	403
55°	334	334	334
60°	267	267	267
65°	207	207	207
70°	176	176	176
75°	106	106	144
80°	79	79	79
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 539 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	539.4	64.9
10°-20°	221.9	26.7
20°-30°	44.1	5.3
30°-40°	11.0	1.3
40°-50°	5.8	0.7
50°-60°	4.3	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°	805.3	96.8
0°-40°	816.3	98.2
0°-60°	826.4	99.4
0°-90°	831.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11331	11331	11331	11331	11331	
5°	7372	7296	7276	7327	7334	538
15°	640	652	653	641	633	220
25°	75	85	96	85	76	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°	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°	11330.6	11330.6	11330.6	11330.6	11330.6
2.5°	10220.6	10229.3	10232.6	10242.7	10280.1
5°	7371.9	7296.1	7276.5	7326.8	7334.0
7.5°	4366.8	4382.2	4438.3	4450.8	4405.7
10°	2396.4	2416.1	2413.2	2430.4	2450.1
12.5°	1225.5	1210.2	1205.4	1225.1	1197.7
15°	640.3	652.3	652.8	641.3	632.7
17.5°	344.4	358.3	381.3	362.6	333.8
20°	203.4	215.8	235.5	220.2	207.7
22.5°	125.7	135.7	149.7	137.7	127.6
25°	75.3	85.4	95.9	84.9	76.3
27.5°	44.6	53.2	60.0	52.8	44.1
30°	28.8	33.6	37.9	33.1	29.3
32.5°	20.1	22.1	24.0	22.1	20.1
35°	14.9	15.8	16.8	15.8	14.4
37.5°	11.5	12.5	13.0	12.0	11.0
40°	9.6	10.1	10.6	10.1	9.6
42.5°	8.2	8.6	8.6	8.6	8.2
45°	7.2	7.2	7.7	7.2	7.2
47.5°	6.2	6.2	6.7	6.2	6.2
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°	4.3	4.3	4.3	4.3	4.3
60°	3.8	3.8	3.8	3.8	3.8
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°	1.4	1.4	1.4	1.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4
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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