

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: P759218

Luminaire Tested: LD6D08D010-EU6DR300210IC9050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D08D010-EU6DR300210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 726.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
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



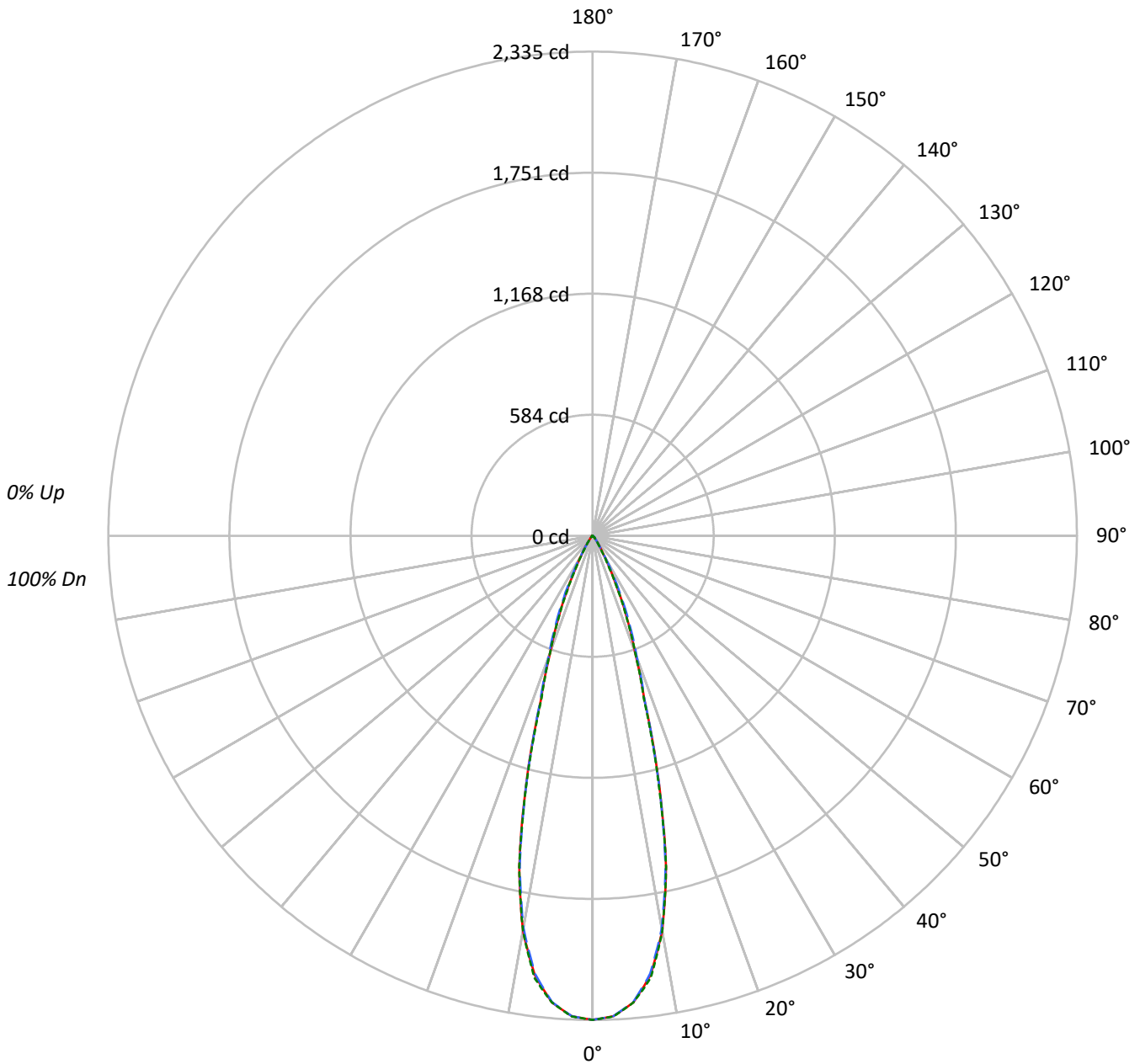
Downlight



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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	178698	178698	178698
5°	173572	173365	173580
10°	150334	149277	150303
15°	98088	97565	97073
20°	48776	50608	48711
25°	24568	27710	24062
30°	9837	10721	8564
35°	4560	4373	3663
40°	1968	2188	1859
45°	1386	1721	1396
50°	476	1250	500
55°	280	520	294
60°	199	230	199
65°	127	127	127
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1721 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.3	28.3
10°-20°	330.6	45.5
20°-30°	142.9	19.7
30°-40°	32.6	4.5
40°-50°	11.2	1.5
50°-60°	2.7	0.4
60°-70°	0.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	678.8	93.5
0°-40°	711.3	98.0
0°-60°	725.3	99.9
0°-90°	726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2335	2335	2335	2335	2335	
5°	2259	2257	2256	2261	2259	205
15°	1238	1223	1231	1227	1225	331
25°	291	302	328	294	285	139
35°	49	50	47	46	39	33
45°	13	16	16	16	13	9
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	2334.6	2334.6	2334.6	2334.6	2334.6
2.5°	2319.1	2317.5	2318.4	2319.6	2320.0
5°	2259.0	2256.8	2256.3	2261.0	2259.1
7.5°	2137.6	2134.5	2129.8	2140.4	2150.4
10°	1934.2	1930.8	1920.6	1925.6	1933.8
12.5°	1634.1	1622.9	1622.7	1638.8	1636.6
15°	1237.8	1222.9	1231.2	1227.1	1225.0
17.5°	832.4	826.7	837.7	834.3	820.0
20°	598.8	600.3	621.3	610.7	598.0
22.5°	436.9	442.3	467.2	440.0	430.1
25°	290.9	301.9	328.1	294.2	284.9
27.5°	178.9	184.0	210.4	176.6	171.6
30°	111.3	108.8	121.3	104.0	96.9
32.5°	73.0	69.8	73.8	66.2	60.5
35°	48.8	49.8	46.8	46.4	39.2
37.5°	30.5	35.1	30.9	33.0	25.2
40°	19.7	25.4	21.9	24.2	18.6
42.5°	16.2	19.6	18.0	19.1	16.5
45°	12.8	15.9	15.9	15.9	12.9
47.5°	7.1	10.7	13.6	10.9	7.6
50°	4.0	5.4	10.5	5.6	4.2
52.5°	2.8	3.1	7.2	3.2	2.9
55°	2.1	2.2	3.9	2.3	2.2
57.5°	1.6	1.7	2.1	1.7	1.6
60°	1.3	1.3	1.5	1.4	1.3
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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