

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: P760180

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760180  
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: LD6D10D010-EU6DR300210IC9027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 876.8 lumens  
Efficiency: N/A  
Efficacy: 74.9 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): 11.7  
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



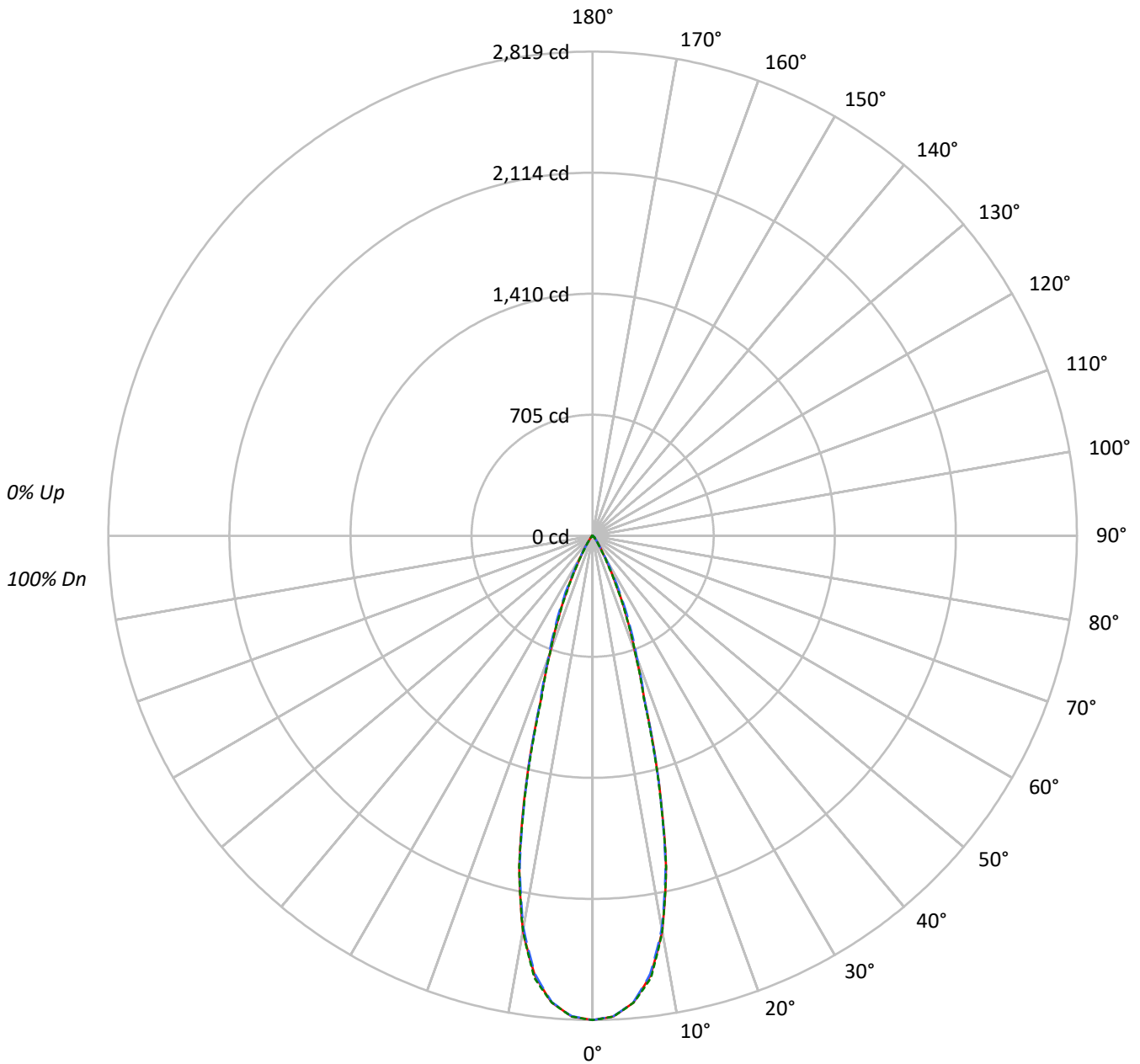
Downlight



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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					70					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°	215806	215806	215806
5°	209616	209370	209623
10°	181556	180281	181517
15°	118461	117819	117233
20°	58901	61116	58819
25°	29669	33462	29061
30°	11879	12940	10350
35°	5513	5279	4420
40°	2378	2638	2238
45°	1678	2089	1689
50°	583	1512	607
55°	334	627	347
60°	230	276	230
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2089 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.9	28.3
10°-20°	399.3	45.5
20°-30°	172.5	19.7
30°-40°	39.3	4.5
40°-50°	13.5	1.5
50°-60°	3.3	0.4
60°-70°	0.9	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°	819.8	93.5
0°-40°	859.1	98.0
0°-60°	875.9	99.9
0°-90°	876.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2819	2819	2819	2819	2819	
5°	2728	2726	2725	2731	2728	248
15°	1495	1477	1487	1482	1479	400
25°	351	365	396	355	344	168
35°	59	60	56	56	47	40
45°	16	19	19	19	16	11
55°	2	3	5	3	3	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°	2819.4	2819.4	2819.4	2819.4	2819.4
2.5°	2800.8	2798.9	2800.0	2801.3	2801.9
5°	2728.1	2725.5	2724.9	2730.6	2728.2
7.5°	2581.5	2577.8	2572.1	2585.0	2597.0
10°	2335.9	2331.8	2319.5	2325.6	2335.4
12.5°	1973.4	1960.0	1959.7	1979.1	1976.5
15°	1494.9	1476.9	1486.8	1482.0	1479.4
17.5°	1005.2	998.3	1011.6	1007.6	990.3
20°	723.1	725.0	750.3	737.6	722.1
22.5°	527.7	534.2	564.2	531.4	519.4
25°	351.3	364.6	396.2	355.3	344.1
27.5°	216.1	222.2	254.2	213.3	207.2
30°	134.4	131.4	146.4	125.7	117.1
32.5°	88.2	84.3	89.2	80.0	73.1
35°	59.0	60.2	56.5	56.0	47.3
37.5°	36.8	42.3	37.4	39.9	30.5
40°	23.8	30.7	26.4	29.2	22.4
42.5°	19.5	23.7	21.7	23.1	19.9
45°	15.5	19.3	19.3	19.3	15.6
47.5°	8.6	12.9	16.5	13.2	9.1
50°	4.9	6.5	12.7	6.8	5.1
52.5°	3.3	3.7	8.7	3.9	3.4
55°	2.5	2.6	4.7	2.8	2.6
57.5°	1.9	2.1	2.5	2.1	1.9
60°	1.5	1.5	1.8	1.7	1.5
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.6	0.6	0.6	0.6
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	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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