

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P770329

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770329  
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: LD6D70BD010-EU6DR3070959040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8776.5 lumens  
Efficiency: N/A  
Efficacy: 131.8 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): 66.6  
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

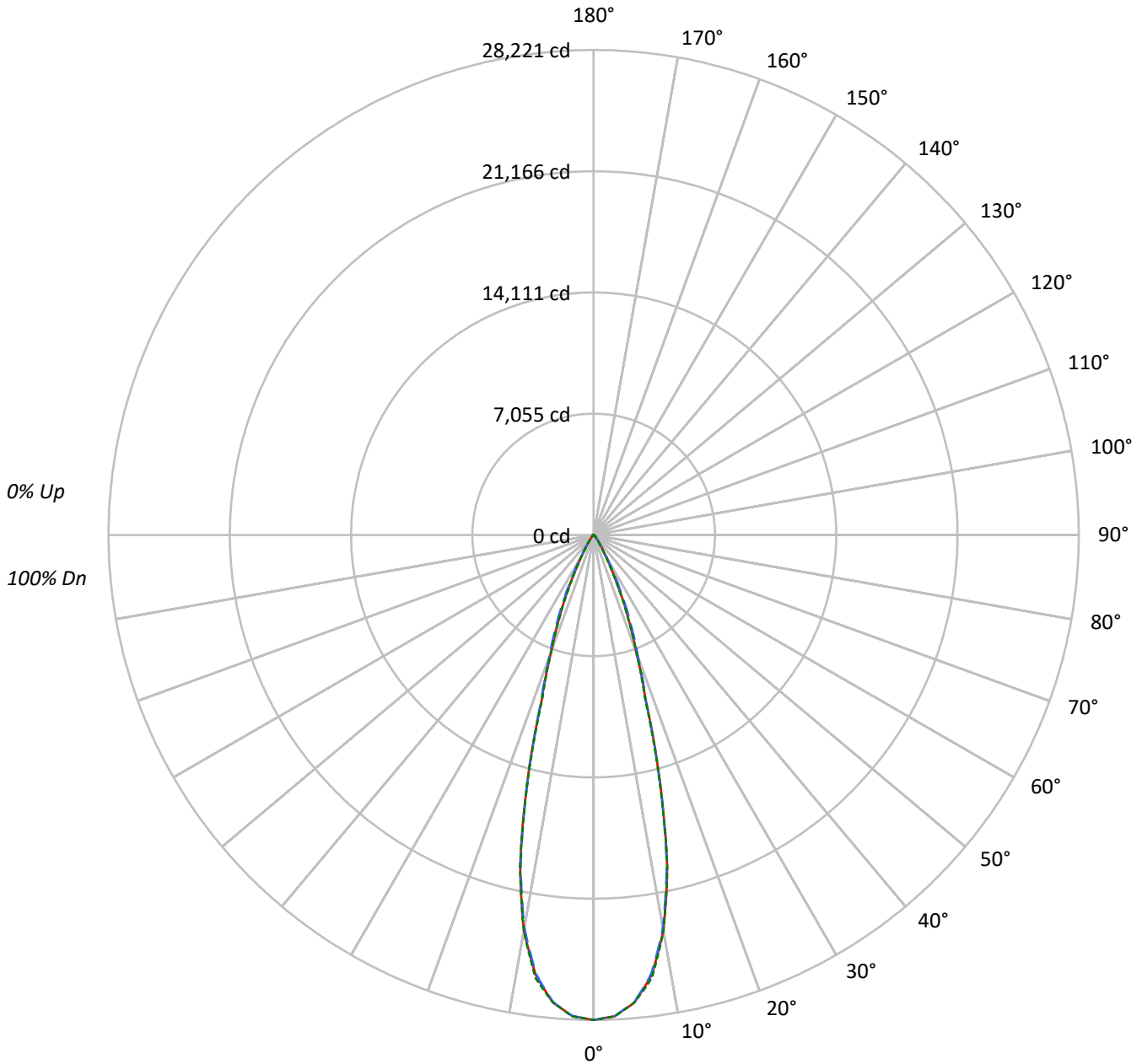


Downlight

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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	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°	2160116	2160116	2160116
5°	2098101	2095657	2098208
10°	1817277	1804461	1816842
15°	1185682	1179311	1173383
20°	589585	611708	588795
25°	296991	334903	290910
30°	118913	129563	103605
35°	55150	52823	44282
40°	23811	26439	22432
45°	16800	20849	16952
50°	5775	15183	6109
55°	3323	6285	3510
60°	2327	2756	2327
65°	1503	1503	1503
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 20849 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2481.6	28.3
10°-20°	3996.6	45.5
20°-30°	1727.0	19.7
30°-40°	393.6	4.5
40°-50°	135.2	1.5
50°-60°	33.0	0.4
60°-70°	8.6	0.1
70°-80°	0.9	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°	8205.3	93.5
0°-40°	8598.9	98.0
0°-60°	8767.1	99.9
0°-90°	8776.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8776.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28221	28221	28221	28221	28221	
5°	27306	27280	27274	27331	27308	2484
15°	14962	14782	14882	14834	14807	4006
25°	3516	3650	3965	3557	3444	1683
35°	590	603	565	561	474	400
45°	155	193	193	193	157	110
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	28220.8	28220.8	28220.8	28220.8	28220.8
2.5°	28033.7	28014.3	28025.4	28039.3	28044.8
5°	27306.3	27280.0	27274.5	27331.3	27307.7
7.5°	25839.0	25801.6	25744.8	25873.7	25994.2
10°	23381.1	23339.5	23216.2	23277.2	23375.5
12.5°	19752.3	19617.9	19615.2	19809.1	19782.8
15°	14962.5	14782.4	14882.1	14833.6	14807.3
17.5°	10061.8	9992.6	10125.6	10085.4	9912.2
20°	7238.1	7256.1	7509.7	7382.2	7228.4
22.5°	5281.7	5346.8	5647.5	5319.1	5198.6
25°	3516.5	3649.5	3965.4	3556.7	3444.5
27.5°	2162.8	2223.8	2543.9	2135.1	2074.2
30°	1345.4	1314.9	1465.9	1258.1	1172.2
32.5°	882.6	843.8	892.3	800.8	731.6
35°	590.2	602.7	565.3	561.1	473.9
37.5°	368.6	424.0	374.1	399.0	304.8
40°	238.3	307.6	264.6	292.4	224.5
42.5°	195.4	236.9	217.5	231.4	199.5
45°	155.2	192.6	192.6	192.6	156.6
47.5°	85.9	128.9	164.9	131.6	91.4
50°	48.5	65.1	127.5	67.9	51.3
52.5°	33.3	37.4	87.3	38.8	34.6
55°	24.9	26.3	47.1	27.7	26.3
57.5°	19.4	20.8	24.9	20.8	19.4
60°	15.2	15.2	18.0	16.6	15.2
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.2	5.5	5.5	5.5	5.5
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)