

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: P772644

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772644  
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: LD6D85BD010-EU6DR3070959030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11105.7 lumens  
Efficiency: N/A  
Efficacy: 126.6 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): 87.7  
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

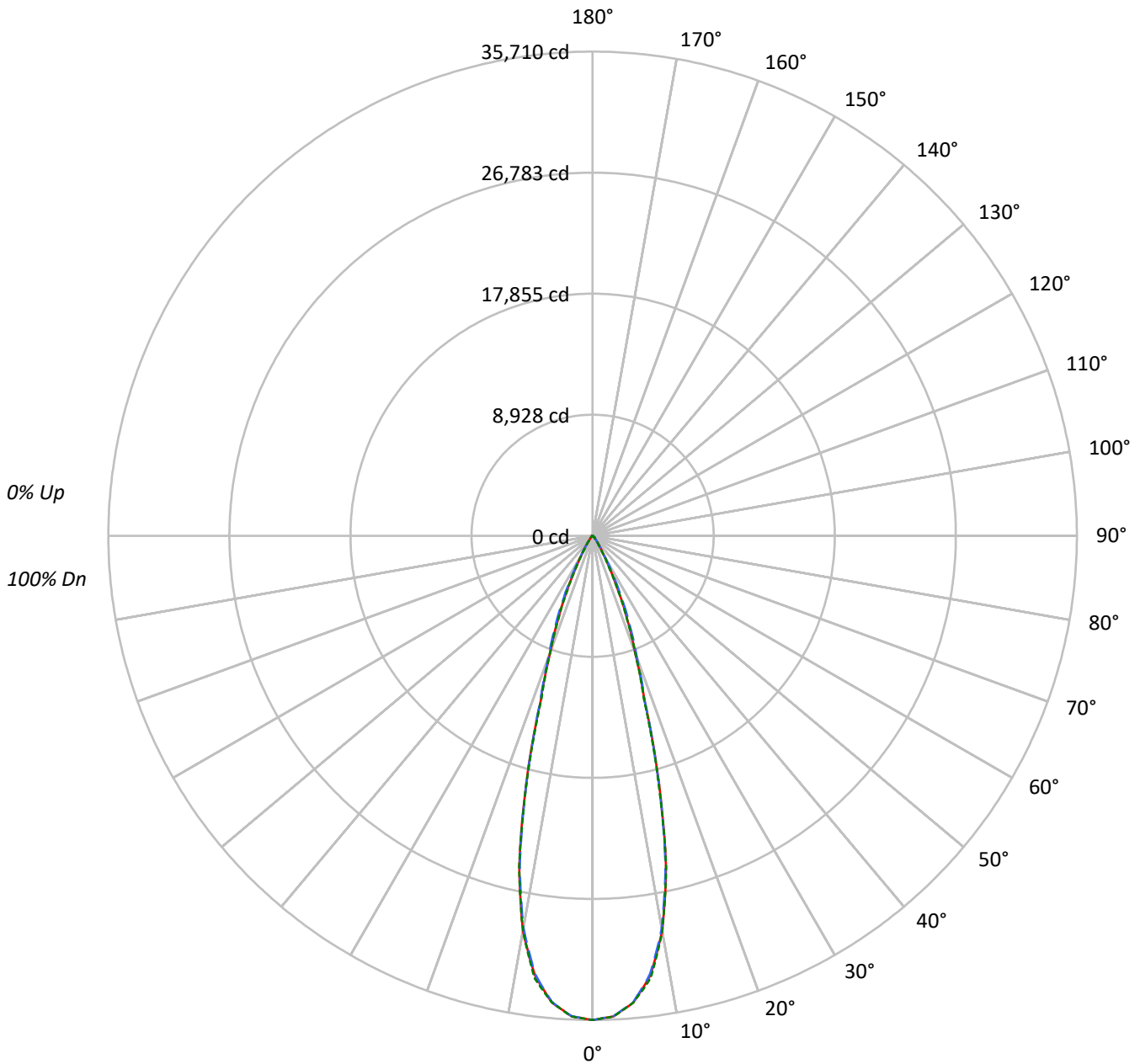


Downlight

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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									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°	2733365	2733365	2733365
5°	2654899	2651803	2655030
10°	2299548	2283327	2298996
15°	1500342	1492283	1484779
20°	746045	774042	745052
25°	375805	423785	368111
30°	150466	163945	131092
35°	69792	66839	56028
40°	30136	33463	28377
45°	21260	26380	21444
50°	7312	19208	7728
55°	4217	7954	4444
60°	2955	3490	2955
65°	1902	1902	1902
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 26380 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3140.2	28.3
10°-20°	5057.3	45.5
20°-30°	2185.4	19.7
30°-40°	498.1	4.5
40°-50°	171.0	1.5
50°-60°	41.8	0.4
60°-70°	10.8	0.1
70°-80°	1.2	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°	10382.8	93.5
0°-40°	10880.9	98.0
0°-60°	11093.7	99.9
0°-90°	11105.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11105.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35710	35710	35710	35710	35710	
5°	34553	34520	34513	34584	34555	3143
15°	18933	18705	18832	18770	18737	5070
25°	4450	4618	5018	4501	4359	2130
35°	747	763	715	710	600	507
45°	196	244	244	244	198	139
55°	32	33	60	35	33	31
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	35710.0	35710.0	35710.0	35710.0	35710.0
2.5°	35473.3	35448.8	35462.8	35480.4	35487.4
5°	34552.9	34519.6	34512.6	34584.5	34554.6
7.5°	32696.2	32648.9	32577.0	32740.0	32892.6
10°	29586.0	29533.4	29377.3	29454.5	29578.9
12.5°	24994.2	24824.2	24820.6	25066.1	25032.8
15°	18933.3	18705.3	18831.6	18770.2	18736.9
17.5°	12732.0	12644.4	12812.7	12761.8	12542.7
20°	9158.9	9181.7	9502.6	9341.3	9146.7
22.5°	6683.4	6765.8	7146.2	6730.7	6578.2
25°	4449.7	4618.0	5017.8	4500.6	4358.6
27.5°	2736.8	2814.0	3219.0	2701.7	2624.6
30°	1702.4	1663.8	1854.9	1591.9	1483.2
32.5°	1116.8	1067.7	1129.1	1013.4	925.7
35°	746.9	762.7	715.3	710.1	599.6
37.5°	466.4	536.5	473.4	504.9	385.7
40°	301.6	389.2	334.9	369.9	284.0
42.5°	247.2	299.8	275.3	292.8	252.5
45°	196.4	243.7	243.7	243.7	198.1
47.5°	108.7	163.1	208.6	166.6	115.7
50°	61.4	82.4	161.3	85.9	64.9
52.5°	42.1	47.3	110.5	49.1	43.8
55°	31.6	33.3	59.6	35.1	33.3
57.5°	24.5	26.3	31.6	26.3	24.5
60°	19.3	19.3	22.8	21.0	19.3
62.5°	14.0	14.0	15.8	14.0	14.0
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.3	7.0	7.0	7.0	7.0
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)