

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: P771902

Luminaire Tested: LD6D80BD010-EU6DR3070959050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771902  
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: LD6D80BD010-EU6DR3070959050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10584.4 lumens  
Efficiency: N/A  
Efficacy: 134.1 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): 78.9  
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

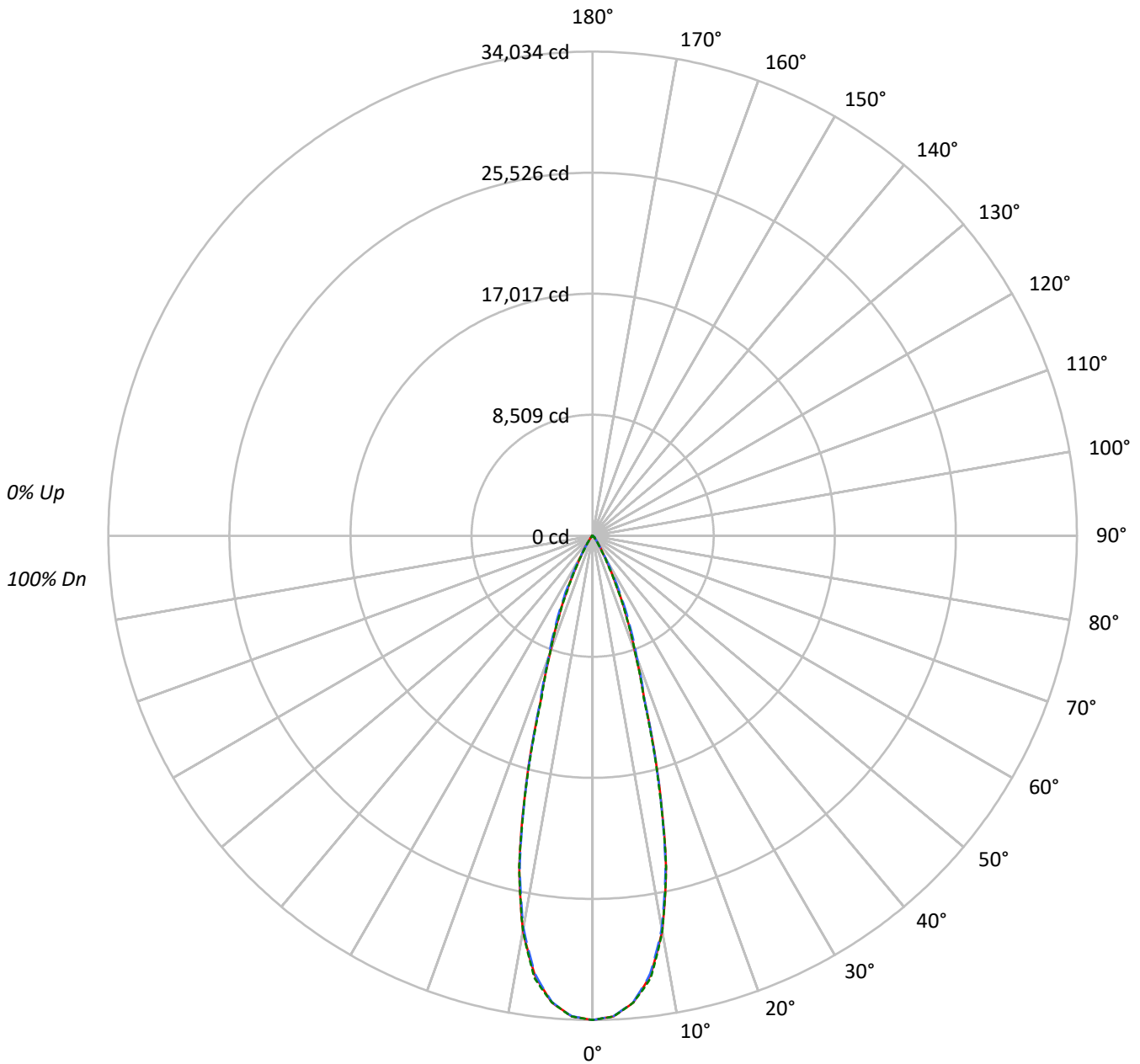


Downlight

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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	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°	2605070	2605070	2605070
5°	2530279	2527329	2530410
10°	2191605	2176153	2191092
15°	1429918	1422240	1415084
20°	711028	737704	710074
25°	358171	403895	350831
30°	143404	156255	124941
35°	66512	63700	53402
40°	28717	31895	27048
45°	20253	25146	20437
50°	6966	18303	7359
55°	4017	7580	4230
60°	2817	3322	2817
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 25146 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2992.8	28.3
10°-20°	4819.9	45.5
20°-30°	2082.8	19.7
30°-40°	474.7	4.5
40°-50°	163.0	1.5
50°-60°	39.8	0.4
60°-70°	10.3	0.1
70°-80°	1.1	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°	9895.4	93.5
0°-40°	10370.1	98.0
0°-60°	10573.0	99.9
0°-90°	10584.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10584.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34034	34034	34034	34034	34034	
5°	32931	32899	32893	32961	32933	2995
15°	18045	17827	17948	17889	17857	4832
25°	4241	4401	4782	4289	4154	2030
35°	712	727	682	677	572	483
45°	187	232	232	232	189	133
55°	30	32	57	33	32	29
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°	34033.9	34033.9	34033.9	34033.9	34033.9
2.5°	33808.3	33784.9	33798.3	33815.0	33821.7
5°	32931.0	32899.3	32892.6	32961.1	32932.7
7.5°	31161.5	31116.4	31047.9	31203.3	31348.7
10°	28197.2	28147.1	27998.4	28071.9	28190.6
12.5°	23821.0	23659.0	23655.6	23889.5	23857.8
15°	18044.6	17827.3	17947.7	17889.2	17857.4
17.5°	12134.4	12050.9	12211.3	12162.8	11954.0
20°	8729.0	8750.8	9056.5	8902.8	8717.3
22.5°	6369.7	6448.2	6810.8	6414.8	6269.4
25°	4240.9	4401.3	4782.3	4289.3	4154.0
27.5°	2608.3	2681.9	3067.9	2574.9	2501.4
30°	1622.5	1585.7	1767.9	1517.2	1413.6
32.5°	1064.4	1017.6	1076.1	965.8	882.3
35°	711.8	726.9	681.7	676.7	571.5
37.5°	444.5	511.3	451.2	481.2	367.6
40°	287.4	371.0	319.2	352.6	270.7
42.5°	235.6	285.7	262.3	279.0	240.6
45°	187.1	232.3	232.3	232.3	188.8
47.5°	103.6	155.4	198.8	158.7	110.3
50°	58.5	78.5	153.7	81.9	61.8
52.5°	40.1	45.1	105.3	46.8	41.8
55°	30.1	31.7	56.8	33.4	31.7
57.5°	23.4	25.1	30.1	25.1	23.4
60°	18.4	18.4	21.7	20.1	18.4
62.5°	13.4	13.4	15.0	13.4	13.4
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)