

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: P772627

Luminaire Tested: LD6D85BD010-EU6DR3070959027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772627  
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-EU6DR3070959027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10240.9 lumens  
Efficiency: N/A  
Efficacy: 116.8 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): 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

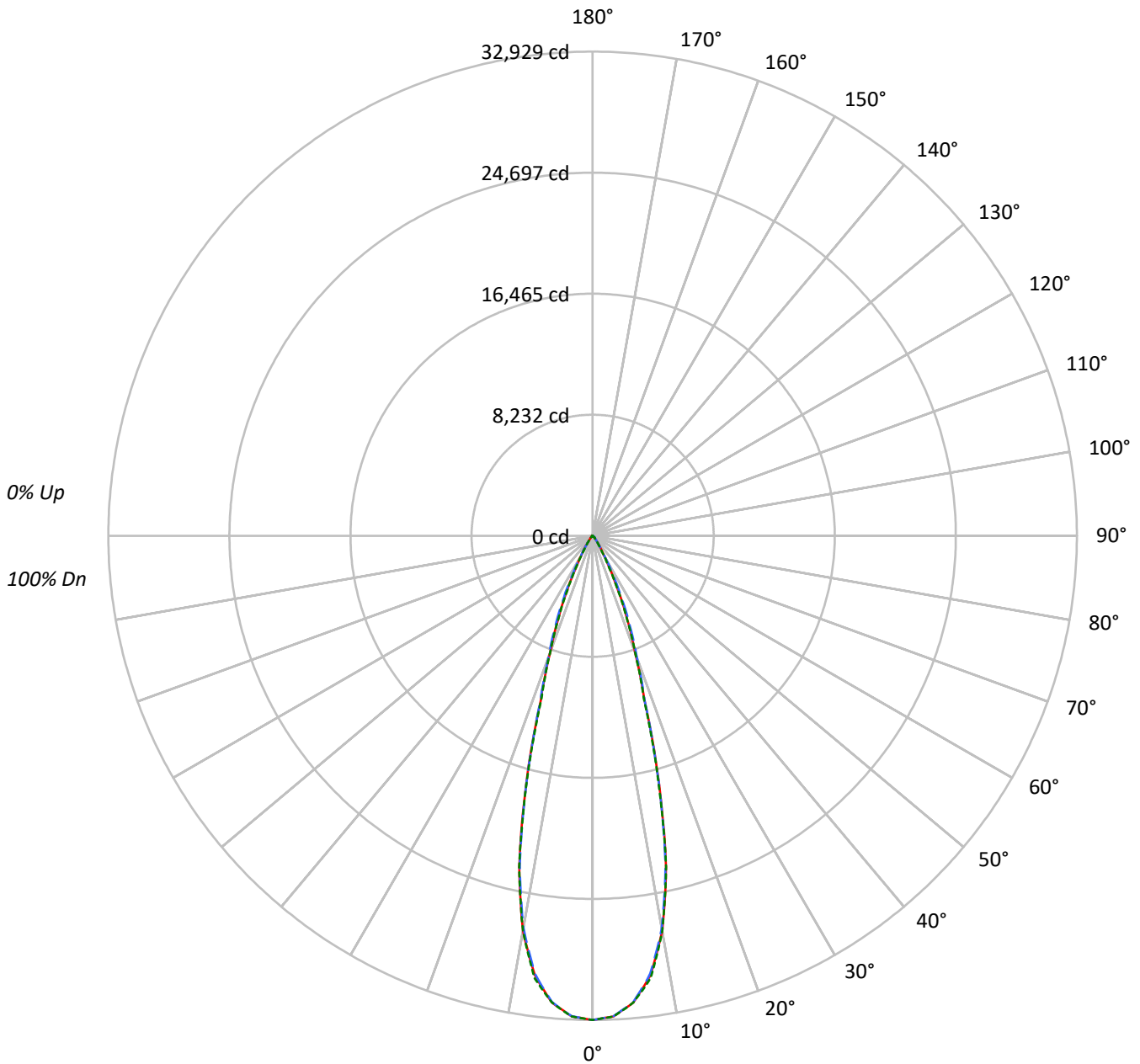


Downlight

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

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

	0°	45°	90°
0°	2520528	2520528	2520528
5°	2448172	2445314	2448295
10°	2120487	2105533	2119982
15°	1383513	1376080	1369162
20°	687959	713764	687031
25°	346541	390788	339447
30°	138746	151182	120884
35°	64354	61634	51664
40°	27788	30855	26169
45°	19604	24323	19777
50°	6740	17707	7121
55°	3883	7340	4097
60°	2725	3215	2725
65°	1757	1757	1757
70°	1097	716	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 24323 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2895.6	28.3
10°-20°	4663.5	45.5
20°-30°	2015.2	19.7
30°-40°	459.3	4.5
40°-50°	157.7	1.5
50°-60°	38.5	0.4
60°-70°	10.0	0.1
70°-80°	1.0	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°	9574.3	93.5
0°-40°	10033.6	98.0
0°-60°	10229.8	99.9
0°-90°	10240.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10240.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	32929	32929	32929	32929	32929	
5°	31862	31832	31825	31892	31864	2898
15°	17459	17249	17365	17309	17278	4675
25°	4103	4258	4627	4150	4019	1964
35°	689	703	660	655	553	467
45°	181	225	225	225	183	129
55°	29	31	55	32	31	28
65°	10	10	10	10	10	10
75°	0	0	2	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°	32929.4	32929.4	32929.4	32929.4	32929.4
2.5°	32711.2	32688.5	32701.5	32717.6	32724.1
5°	31862.4	31831.7	31825.2	31891.5	31864.0
7.5°	30150.3	30106.6	30040.3	30190.7	30331.3
10°	27282.2	27233.7	27089.8	27160.9	27275.7
12.5°	23048.0	22891.2	22887.9	23114.3	23083.6
15°	17459.0	17248.8	17365.2	17308.6	17277.9
17.5°	11740.6	11659.8	11815.0	11768.1	11566.0
20°	8445.8	8466.8	8762.6	8613.9	8434.4
22.5°	6162.9	6238.9	6589.8	6206.6	6065.9
25°	4103.2	4258.4	4627.1	4150.1	4019.2
27.5°	2523.7	2594.8	2968.3	2491.4	2420.2
30°	1569.8	1534.3	1710.5	1468.0	1367.7
32.5°	1029.9	984.6	1041.2	934.5	853.6
35°	688.7	703.3	659.6	654.8	552.9
37.5°	430.0	494.7	436.5	465.6	355.7
40°	278.1	358.9	308.8	341.1	261.9
42.5°	228.0	276.5	253.8	270.0	232.8
45°	181.1	224.7	224.7	224.7	182.7
47.5°	100.2	150.4	192.4	153.6	106.7
50°	56.6	76.0	148.7	79.2	59.8
52.5°	38.8	43.7	101.9	45.3	40.4
55°	29.1	30.7	55.0	32.3	30.7
57.5°	22.6	24.3	29.1	24.3	22.6
60°	17.8	17.8	21.0	19.4	17.8
62.5°	12.9	12.9	14.6	12.9	12.9
65°	9.7	9.7	9.7	9.7	9.7
67.5°	4.9	6.5	6.5	6.5	6.5
70°	4.9	3.2	3.2	3.2	4.9
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)