

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: P771889

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771889  
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-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: 10509.3 lumens  
Efficiency: N/A  
Efficacy: 133.2 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

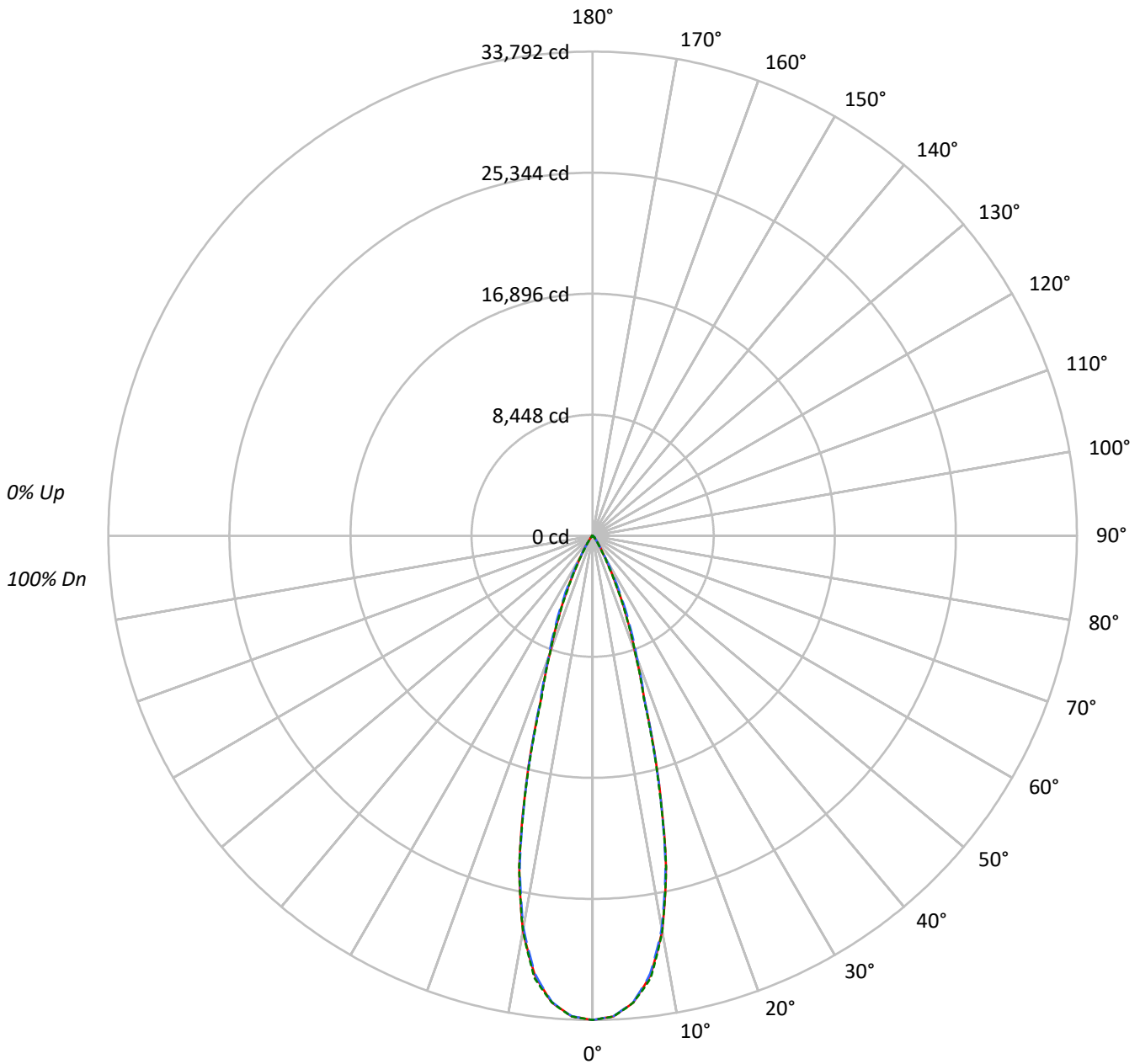


Downlight

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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°	2586593	2586593	2586593
5°	2512338	2509403	2512461
10°	2176068	2160717	2175547
15°	1419775	1412152	1405052
20°	705985	732475	705041
25°	355629	401024	348340
30°	142388	155142	124057
35°	66045	63251	53019
40°	28517	31665	26859
45°	20113	24962	20297
50°	6919	18172	7312
55°	3990	7527	4204
60°	2801	3307	2801
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: 24962 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2971.5	28.3
10°-20°	4785.7	45.5
20°-30°	2068.0	19.7
30°-40°	471.3	4.5
40°-50°	161.8	1.5
50°-60°	39.5	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°	9825.3	93.5
0°-40°	10296.6	98.0
0°-60°	10498.0	99.9
0°-90°	10509.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10509.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33792	33792	33792	33792	33792	
5°	32698	32666	32659	32727	32699	2974
15°	17917	17701	17820	17762	17731	4797
25°	4211	4370	4748	4259	4124	2016
35°	707	722	677	672	567	479
45°	186	231	231	231	188	132
55°	30	32	56	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°	33792.5	33792.5	33792.5	33792.5	33792.5
2.5°	33568.5	33545.3	33558.6	33575.2	33581.8
5°	32697.5	32666.0	32659.3	32727.4	32699.1
7.5°	30940.5	30895.7	30827.7	30982.0	31126.3
10°	27997.3	27947.5	27799.8	27872.8	27990.6
12.5°	23652.1	23491.2	23487.8	23720.1	23688.6
15°	17916.6	17700.9	17820.4	17762.3	17730.8
17.5°	12048.4	11965.4	12124.7	12076.6	11869.2
20°	8667.1	8688.7	8992.3	8839.7	8655.5
22.5°	6324.5	6402.5	6762.5	6369.3	6224.9
25°	4210.8	4370.1	4748.3	4258.9	4124.5
27.5°	2589.9	2662.9	3046.1	2556.7	2483.7
30°	1611.0	1574.5	1755.3	1506.5	1403.6
32.5°	1056.8	1010.4	1068.5	959.0	876.0
35°	706.8	721.7	676.9	671.9	567.4
37.5°	441.3	507.7	448.0	477.8	365.0
40°	285.4	368.3	316.9	350.1	268.8
42.5°	233.9	283.7	260.5	277.1	238.9
45°	185.8	230.6	230.6	230.6	187.5
47.5°	102.9	154.3	197.4	157.6	109.5
50°	58.1	78.0	152.6	81.3	61.4
52.5°	39.8	44.8	104.5	46.5	41.5
55°	29.9	31.5	56.4	33.2	31.5
57.5°	23.2	24.9	29.9	24.9	23.2
60°	18.3	18.3	21.6	19.9	18.3
62.5°	13.3	13.3	14.9	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.6	6.6	6.6	6.6
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

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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(END OF REPORT)