

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: P771885

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771885  
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-EU6DR3070959040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 9983.8 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

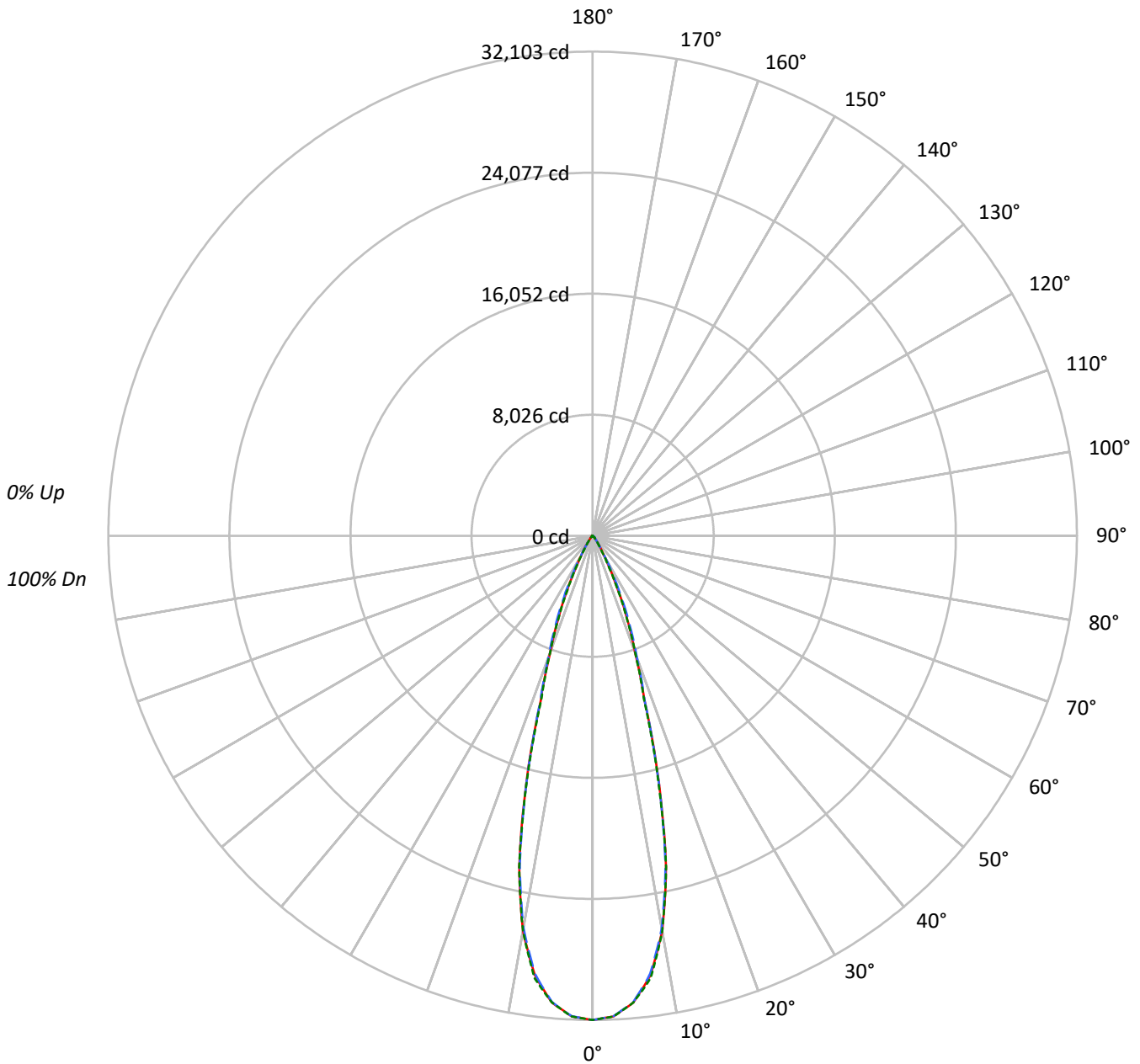


Downlight

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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	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°	2457265	2457265	2457265
5°	2386719	2383938	2386842
10°	2067262	2052681	2066772
15°	1348789	1341538	1334794
20°	670691	695852	669786
25°	337842	380974	330925
30°	135264	147390	117852
35°	62737	60093	50365
40°	27088	30076	25510
45°	19106	23717	19279
50°	6573	17267	6942
55°	3790	7153	3990
60°	2648	3138	2648
65°	1721	1721	1721
70°	1052	716	1052
75°	0	473	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 23717 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2823.0	28.3
10°-20°	4546.4	45.5
20°-30°	1964.6	19.7
30°-40°	447.8	4.5
40°-50°	153.7	1.5
50°-60°	37.5	0.4
60°-70°	9.7	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°	9334.0	93.5
0°-40°	9781.8	98.0
0°-60°	9973.1	99.9
0°-90°	9983.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9983.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	32103	32103	32103	32103	32103	
5°	31063	31033	31026	31091	31064	2825
15°	17021	16816	16929	16874	16844	4558
25°	4000	4152	4511	4046	3918	1915
35°	671	686	643	638	539	455
45°	176	219	219	219	178	125
55°	28	30	54	32	30	28
65°	10	10	10	10	10	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	32102.9	32102.9	32102.9	32102.9	32102.9
2.5°	31890.1	31868.0	31880.6	31896.4	31902.7
5°	31062.6	31032.7	31026.4	31091.0	31064.2
7.5°	29393.5	29350.9	29286.3	29432.9	29570.0
10°	26597.4	26550.1	26409.8	26479.2	26591.1
12.5°	22469.5	22316.6	22313.4	22534.1	22504.2
15°	17020.8	16815.9	16929.3	16874.2	16844.2
17.5°	11445.9	11367.1	11518.4	11472.7	11275.7
20°	8233.8	8254.3	8542.7	8397.7	8222.7
22.5°	6008.3	6082.3	6424.4	6050.8	5913.7
25°	4000.2	4151.6	4510.9	4046.0	3918.3
27.5°	2460.4	2529.7	2893.8	2428.8	2359.5
30°	1530.4	1495.8	1667.6	1431.1	1333.4
32.5°	1004.0	959.9	1015.0	911.0	832.2
35°	671.4	685.6	643.1	638.3	539.0
37.5°	419.3	482.3	425.6	453.9	346.8
40°	271.1	349.9	301.0	332.6	255.3
42.5°	222.2	269.5	247.5	263.2	227.0
45°	176.5	219.1	219.1	219.1	178.1
47.5°	97.7	146.6	187.6	149.7	104.0
50°	55.2	74.1	145.0	77.2	58.3
52.5°	37.8	42.6	99.3	44.1	39.4
55°	28.4	29.9	53.6	31.5	29.9
57.5°	22.1	23.6	28.4	23.6	22.1
60°	17.3	17.3	20.5	18.9	17.3
62.5°	12.6	12.6	14.2	12.6	12.6
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.7	6.3	6.3	6.3	6.3
70°	4.7	3.2	3.2	3.2	4.7
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

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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