

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: P771878

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771878  
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-EU6DR3070959035-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9543.4 lumens  
Efficiency: N/A  
Efficacy: 121.0 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

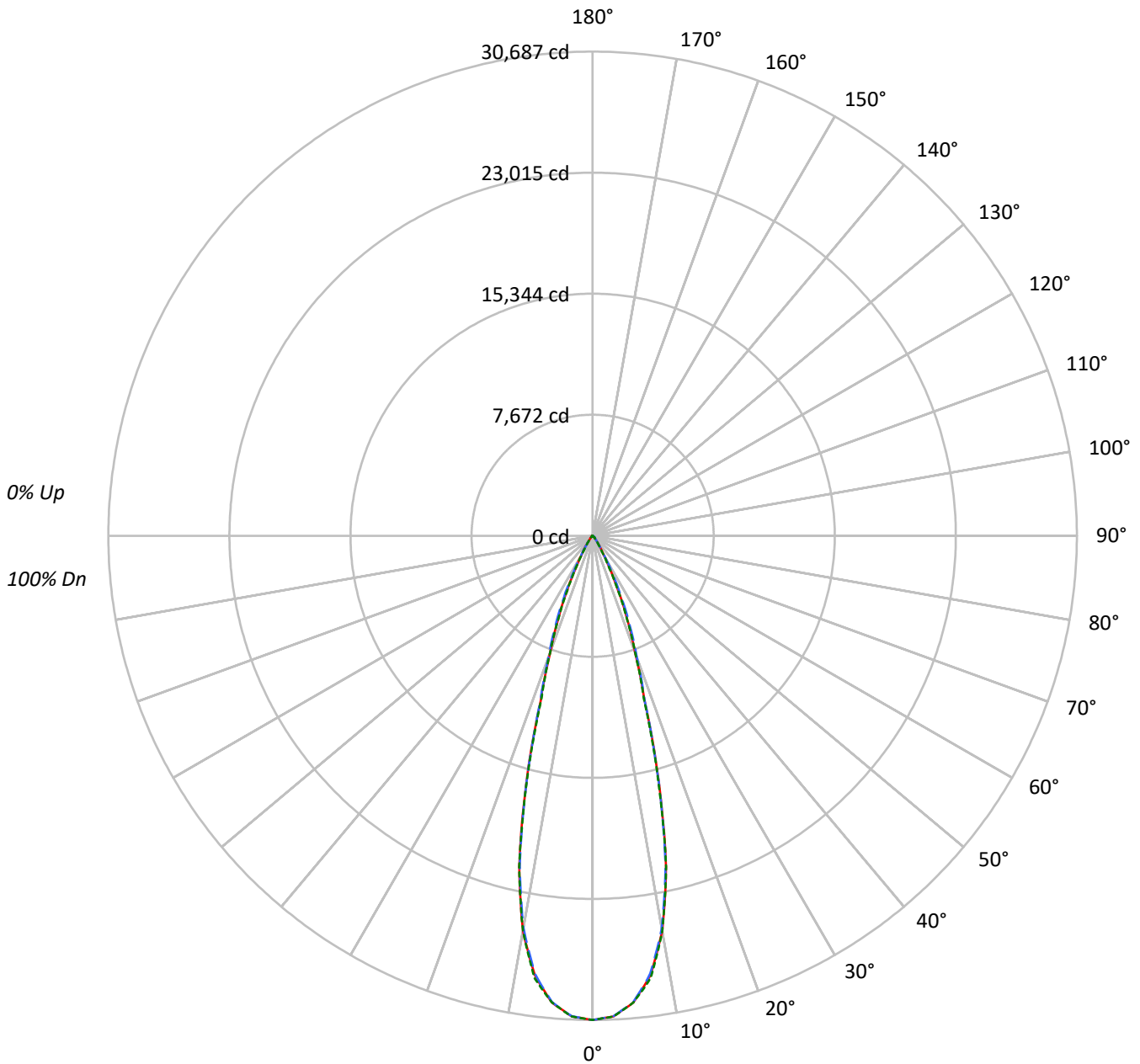


Downlight

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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°	2348872	2348872	2348872
5°	2281446	2278780	2281562
10°	1976076	1962140	1975609
15°	1289293	1282367	1275916
20°	641106	665160	640242
25°	322944	364167	316331
30°	129298	140885	112655
35°	59971	57439	48151
40°	25889	28757	24391
45°	18262	22667	18424
50°	6276	16505	6633
55°	3616	6833	3817
60°	2541	3001	2541
65°	1630	1630	1630
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22667 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2698.4	28.3
10°-20°	4345.9	45.5
20°-30°	1878.0	19.7
30°-40°	428.0	4.5
40°-50°	147.0	1.5
50°-60°	35.9	0.4
60°-70°	9.3	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°	8922.3	93.5
0°-40°	9350.3	98.0
0°-60°	9533.1	99.9
0°-90°	9543.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9543.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	30687	30687	30687	30687	30687	
5°	29692	29664	29658	29720	29694	2701
15°	16270	16074	16183	16130	16101	4357
25°	3824	3968	4312	3868	3746	1830
35°	642	655	615	610	515	435
45°	169	209	209	209	170	120
55°	27	29	51	30	29	26
65°	9	9	9	9	9	9
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°	30686.8	30686.8	30686.8	30686.8	30686.8
2.5°	30483.4	30462.3	30474.4	30489.5	30495.5
5°	29692.5	29663.8	29657.8	29719.6	29694.0
7.5°	28097.0	28056.3	27994.5	28134.6	28265.7
10°	25424.2	25379.0	25244.9	25311.2	25418.2
12.5°	21478.4	21332.2	21329.2	21540.1	21511.5
15°	16270.0	16074.1	16182.6	16129.9	16101.2
17.5°	10941.1	10865.7	11010.4	10966.7	10778.4
20°	7870.6	7890.2	8165.9	8027.3	7860.0
22.5°	5743.2	5814.0	6141.0	5783.9	5652.8
25°	3823.8	3968.4	4311.9	3867.5	3745.5
27.5°	2351.8	2418.1	2766.2	2321.7	2255.4
30°	1462.9	1429.8	1594.0	1368.0	1274.6
32.5°	959.7	917.5	970.3	870.8	795.5
35°	641.8	655.4	614.7	610.2	515.3
37.5°	400.8	461.0	406.8	433.9	331.5
40°	259.1	334.5	287.8	317.9	244.1
42.5°	212.4	257.6	236.5	251.6	217.0
45°	168.7	209.4	209.4	209.4	170.2
47.5°	93.4	140.1	179.3	143.1	99.4
50°	52.7	70.8	138.6	73.8	55.7
52.5°	36.2	40.7	94.9	42.2	37.7
55°	27.1	28.6	51.2	30.1	28.6
57.5°	21.1	22.6	27.1	22.6	21.1
60°	16.6	16.6	19.6	18.1	16.6
62.5°	12.1	12.1	13.6	12.1	12.1
65°	9.0	9.0	9.0	9.0	9.0
67.5°	4.5	6.0	6.0	6.0	6.0
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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