

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: P773464

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773464  
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: LD6D90BD010-EU6DR3070959050-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11362.5 lumens  
Efficiency: N/A  
Efficacy: 114.9 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): 98.9  
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

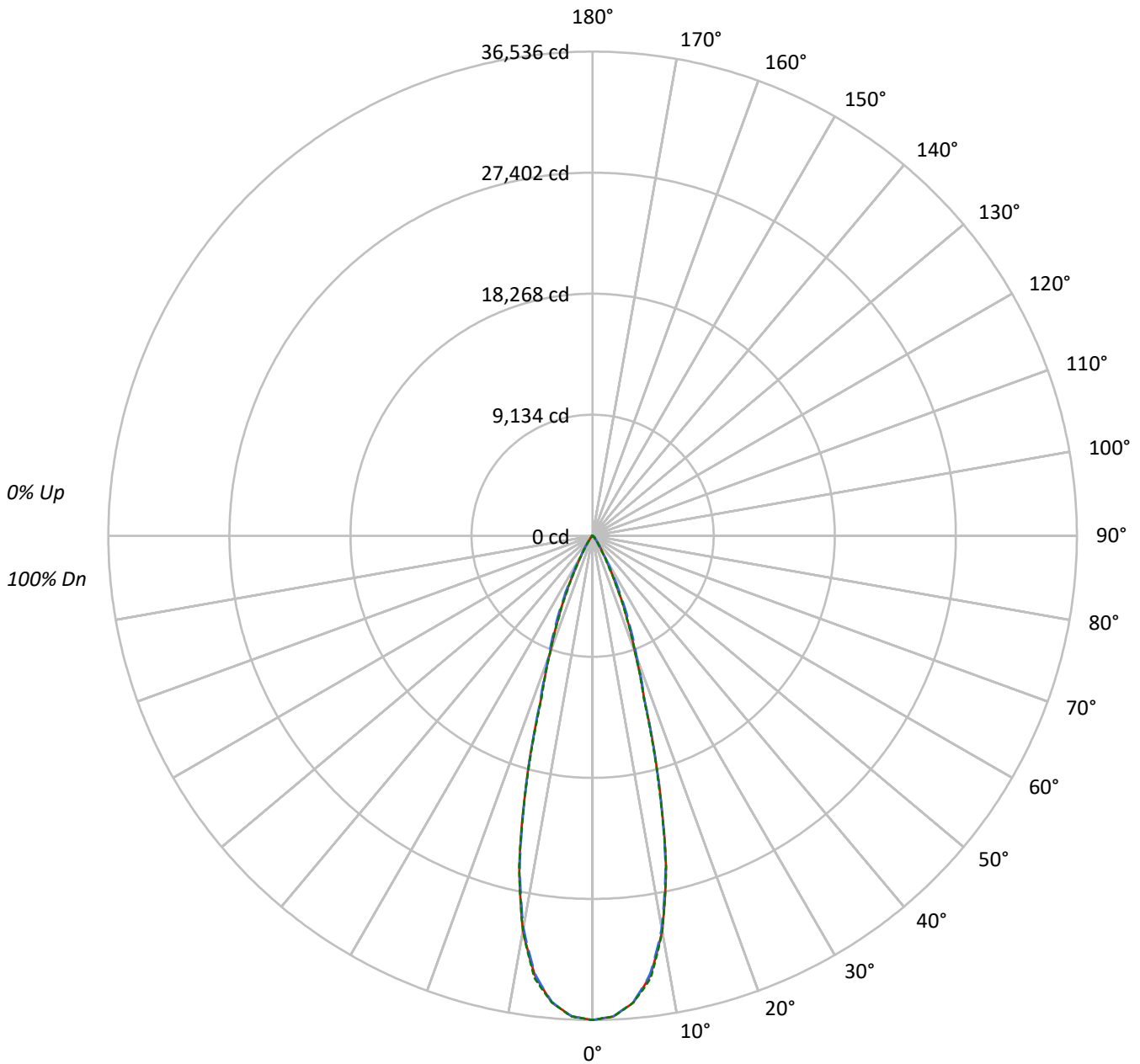


Downlight

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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						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°	2796590	2796590	2796590
5°	2716306	2713133	2716444
10°	2352735	2336141	2352175
15°	1535043	1526793	1519123
20°	763306	791946	762279
25°	384504	433582	376624
30°	153948	167736	134133
35°	71409	68390	57327
40°	30825	34233	29037
45°	21747	26986	21942
50°	7478	19648	7907
55°	4310	8140	4551
60°	3016	3567	3016
65°	1956	1956	1956
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26986 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3212.8	28.3
10°-20°	5174.2	45.5
20°-30°	2235.9	19.7
30°-40°	509.6	4.5
40°-50°	175.0	1.5
50°-60°	42.7	0.4
60°-70°	11.1	0.1
70°-80°	1.2	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°	10622.9	93.5
0°-40°	11132.5	98.0
0°-60°	11350.2	99.9
0°-90°	11362.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11362.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	36536	36536	36536	36536	36536	
5°	35352	35318	35311	35384	35354	3215
15°	19371	19138	19267	19204	19170	5187
25°	4553	4725	5134	4605	4459	2179
35°	764	780	732	726	614	518
45°	201	249	249	249	203	143
55°	32	34	61	36	34	31
65°	11	11	11	11	11	11
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°	36536.0	36536.0	36536.0	36536.0	36536.0
2.5°	36293.8	36268.7	36283.1	36301.0	36308.2
5°	35352.1	35318.0	35310.8	35384.4	35353.9
7.5°	33452.5	33404.0	33330.5	33497.3	33653.4
10°	30270.3	30216.5	30056.8	30135.7	30263.1
12.5°	25572.3	25398.3	25394.7	25645.9	25611.8
15°	19371.2	19138.0	19267.1	19204.4	19170.3
17.5°	13026.5	12936.8	13109.1	13057.0	12832.8
20°	9370.8	9394.1	9722.4	9557.3	9358.2
22.5°	6837.9	6922.3	7311.5	6886.4	6730.3
25°	4552.7	4724.9	5133.8	4604.7	4459.4
27.5°	2800.1	2879.0	3293.4	2764.2	2685.3
30°	1741.8	1702.3	1897.8	1628.8	1517.6
32.5°	1142.6	1092.4	1155.2	1036.8	947.1
35°	764.2	780.3	731.9	726.5	613.5
37.5°	477.1	548.9	484.3	516.6	394.6
40°	308.5	398.2	342.6	378.5	290.6
42.5°	252.9	306.7	281.6	299.6	258.3
45°	200.9	249.3	249.3	249.3	202.7
47.5°	111.2	166.8	213.5	170.4	118.4
50°	62.8	84.3	165.0	87.9	66.4
52.5°	43.1	48.4	113.0	50.2	44.8
55°	32.3	34.1	61.0	35.9	34.1
57.5°	25.1	26.9	32.3	26.9	25.1
60°	19.7	19.7	23.3	21.5	19.7
62.5°	14.4	14.4	16.1	14.4	14.4
65°	10.8	10.8	10.8	10.8	10.8
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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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