

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: P771123

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771123  
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: LD6D75BD010-EU6DR3070959050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9809.6 lumens  
Efficiency: N/A  
Efficacy: 135.5 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): 72.4  
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

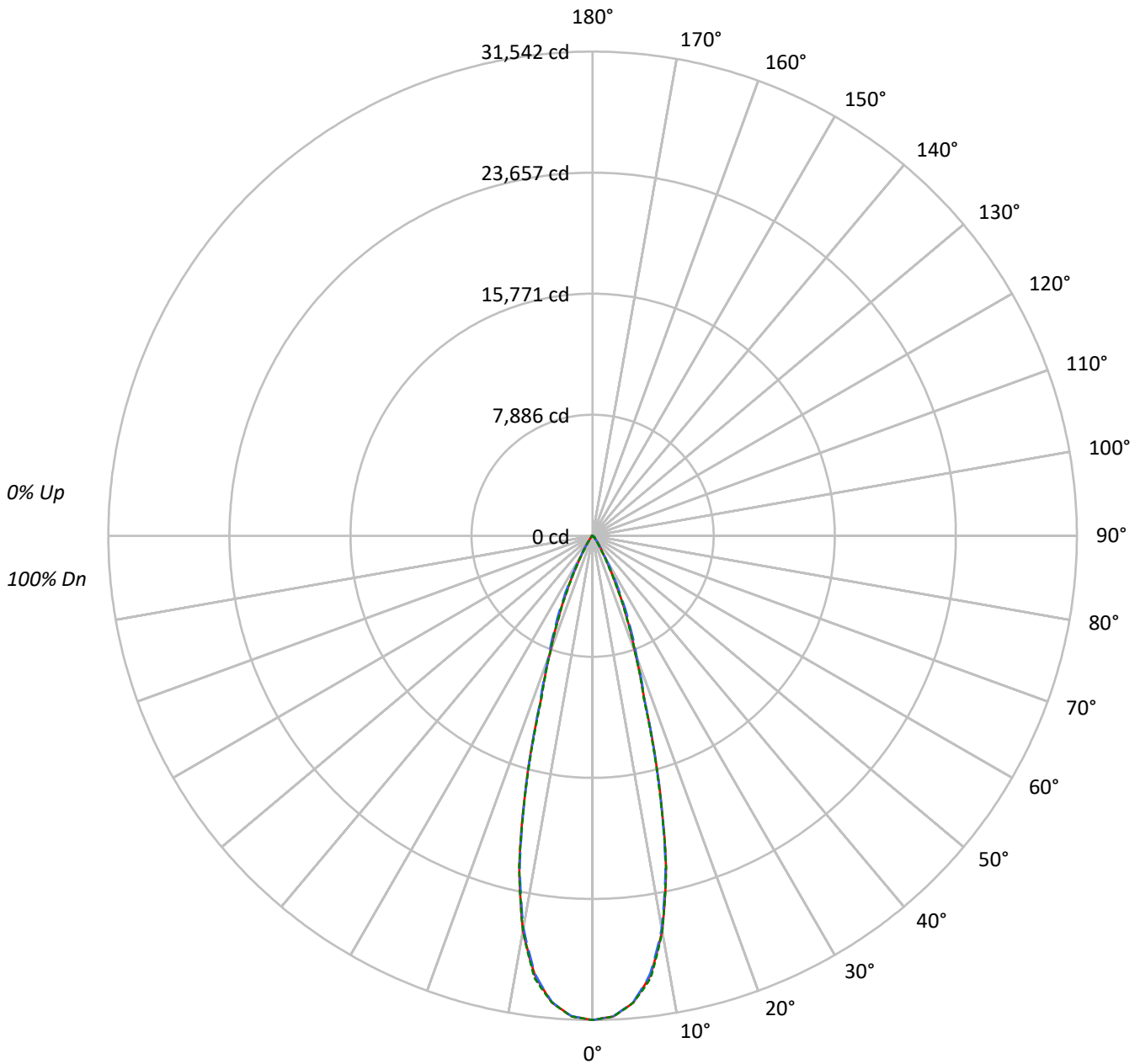


Downlight

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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°	2414370	2414370	2414370
5°	2345059	2342323	2345182
10°	2031174	2016858	2030692
15°	1325245	1318121	1311497
20°	658977	683707	658098
25°	331947	374327	325148
30°	132904	144818	115793
35°	61644	59037	49487
40°	26619	29556	25070
45°	18770	23306	18944
50°	6454	16969	6823
55°	3723	7033	3923
60°	2602	3077	2602
65°	1684	1684	1684
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 23306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2773.7	28.3
10°-20°	4467.0	45.5
20°-30°	1930.3	19.7
30°-40°	440.0	4.5
40°-50°	151.1	1.5
50°-60°	36.9	0.4
60°-70°	9.6	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°	9171.1	93.5
0°-40°	9611.0	98.0
0°-60°	9799.0	99.9
0°-90°	9809.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9809.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31542	31542	31542	31542	31542	
5°	30520	30491	30485	30548	30522	2776
15°	16724	16522	16634	16580	16550	4478
25°	3930	4079	4432	3975	3850	1881
35°	660	674	632	627	530	447
45°	173	215	215	215	175	123
55°	28	29	53	31	29	27
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°	31542.5	31542.5	31542.5	31542.5	31542.5
2.5°	31333.4	31311.8	31324.2	31339.6	31345.8
5°	30520.4	30491.0	30484.8	30548.3	30522.0
7.5°	28880.4	28838.6	28775.1	28919.1	29053.9
10°	26133.1	26086.7	25948.9	26017.0	26126.9
12.5°	22077.3	21927.1	21924.0	22140.8	22111.3
15°	16723.7	16522.3	16633.8	16579.6	16550.2
17.5°	11246.2	11168.7	11317.4	11272.5	11078.9
20°	8090.0	8110.2	8393.6	8251.1	8079.2
22.5°	5903.4	5976.2	6312.2	5945.2	5810.5
25°	3930.4	4079.1	4432.2	3975.3	3849.9
27.5°	2417.4	2485.6	2843.3	2386.4	2318.3
30°	1503.7	1469.7	1638.5	1406.2	1310.1
32.5°	986.5	943.1	997.3	895.1	817.7
35°	659.7	673.7	631.8	627.2	529.6
37.5°	411.9	473.9	418.1	446.0	340.7
40°	266.4	343.8	295.8	326.8	250.9
42.5°	218.4	264.8	243.1	258.6	223.0
45°	173.4	215.3	215.3	215.3	175.0
47.5°	96.0	144.0	184.3	147.1	102.2
50°	54.2	72.8	142.5	75.9	57.3
52.5°	37.2	41.8	97.6	43.4	38.7
55°	27.9	29.4	52.7	31.0	29.4
57.5°	21.7	23.2	27.9	23.2	21.7
60°	17.0	17.0	20.1	18.6	17.0
62.5°	12.4	12.4	13.9	12.4	12.4
65°	9.3	9.3	9.3	9.3	9.3
67.5°	4.6	6.2	6.2	6.2	6.2
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	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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