

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: P773425

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773425  
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-EU6DR3070959030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10665.7 lumens  
Efficiency: N/A  
Efficacy: 107.8 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

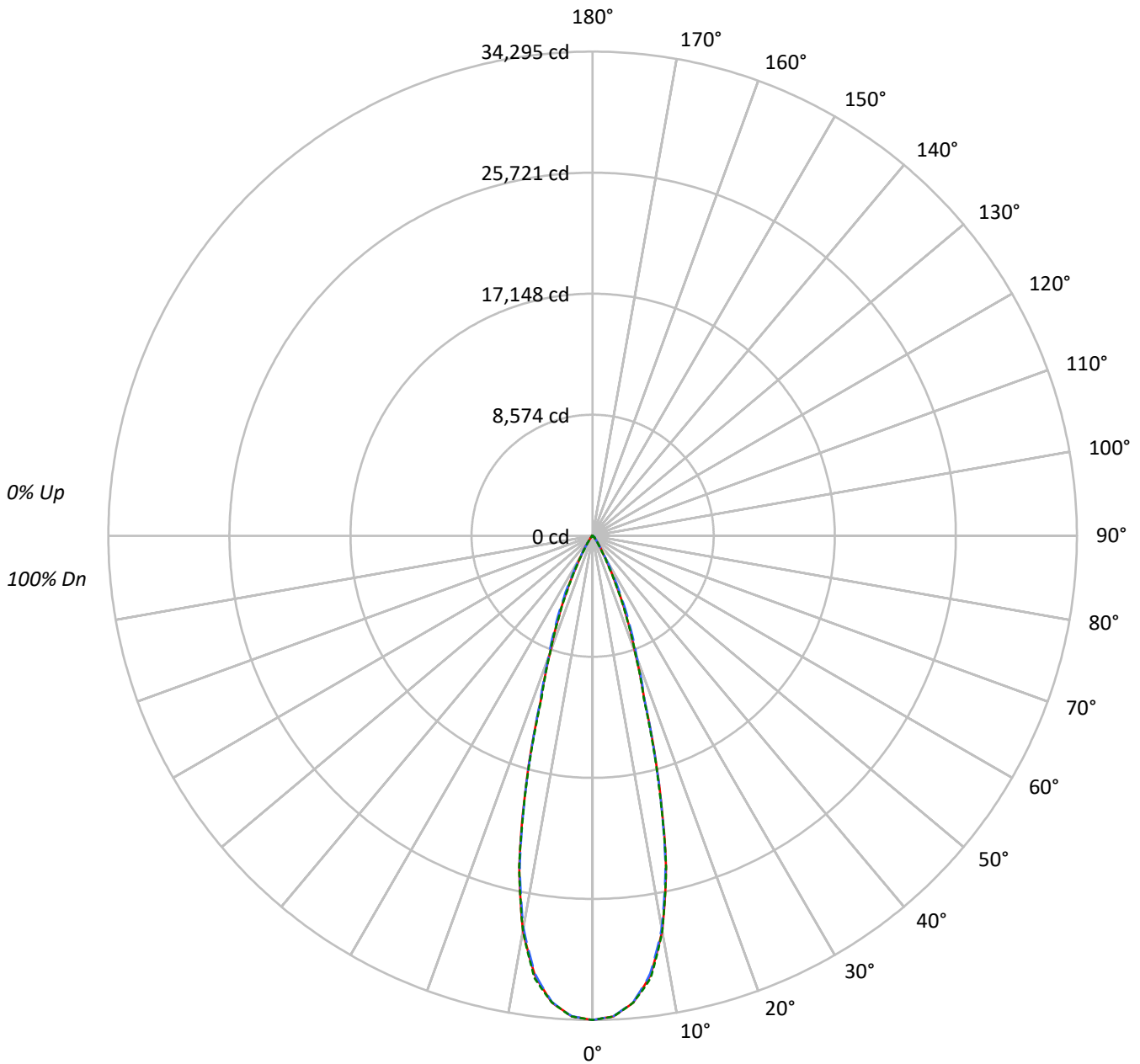


Downlight

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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																			
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°	2625086	2625086	2625086
5°	2549726	2546745	2549857
10°	2208448	2192872	2207927
15°	1440901	1433167	1425956
20°	716493	743374	715532
25°	360924	406995	353526
30°	144509	157449	125904
35°	67026	64195	53813
40°	28937	32134	27258
45°	20416	25330	20600
50°	7014	18446	7419
55°	4044	7633	4270
60°	2832	3353	2832
65°	1829	1829	1829
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 25330 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3015.8	28.3
10°-20°	4856.9	45.5
20°-30°	2098.8	19.7
30°-40°	478.4	4.5
40°-50°	164.2	1.5
50°-60°	40.1	0.4
60°-70°	10.4	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°	9971.5	93.5
0°-40°	10449.8	98.0
0°-60°	10654.2	99.9
0°-90°	10665.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10665.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34295	34295	34295	34295	34295	
5°	33184	33152	33145	33214	33186	3018
15°	18183	17964	18086	18027	17995	4869
25°	4274	4435	4819	4322	4186	2046
35°	717	732	687	682	576	487
45°	189	234	234	234	190	134
55°	30	32	57	34	32	30
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°	34295.4	34295.4	34295.4	34295.4	34295.4
2.5°	34068.1	34044.5	34058.0	34074.8	34081.5
5°	33184.1	33152.1	33145.3	33214.4	33185.8
7.5°	31400.9	31355.5	31286.4	31443.0	31589.5
10°	28413.9	28363.4	28213.5	28287.6	28407.2
12.5°	24004.1	23840.7	23837.4	24073.1	24041.1
15°	18183.2	17964.3	18085.6	18026.6	17994.6
17.5°	12227.7	12143.5	12305.1	12256.3	12045.8
20°	8796.1	8818.0	9126.1	8971.2	8784.3
22.5°	6418.6	6497.7	6863.1	6464.1	6317.6
25°	4273.5	4435.1	4819.0	4322.3	4185.9
27.5°	2628.4	2702.5	3091.4	2594.7	2520.6
30°	1635.0	1597.9	1781.4	1528.9	1424.5
32.5°	1072.6	1025.4	1084.4	973.2	889.0
35°	717.3	732.4	687.0	681.9	575.9
37.5°	447.9	515.2	454.6	484.9	370.4
40°	289.6	373.8	321.6	355.3	272.8
42.5°	237.4	287.9	264.4	281.2	242.5
45°	188.6	234.0	234.0	234.0	190.3
47.5°	104.4	156.6	200.4	160.0	111.1
50°	58.9	79.1	154.9	82.5	62.3
52.5°	40.4	45.5	106.1	47.1	42.1
55°	30.3	32.0	57.2	33.7	32.0
57.5°	23.6	25.3	30.3	25.3	23.6
60°	18.5	18.5	21.9	20.2	18.5
62.5°	13.5	13.5	15.2	13.5	13.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.1	6.7	6.7	6.7	6.7
70°	5.1	3.4	3.4	3.4	5.1
72.5°	3.4	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)