

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: P773424

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773424  
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-EU6DR3070959030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11781.6 lumens  
Efficiency: N/A  
Efficacy: 119.1 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

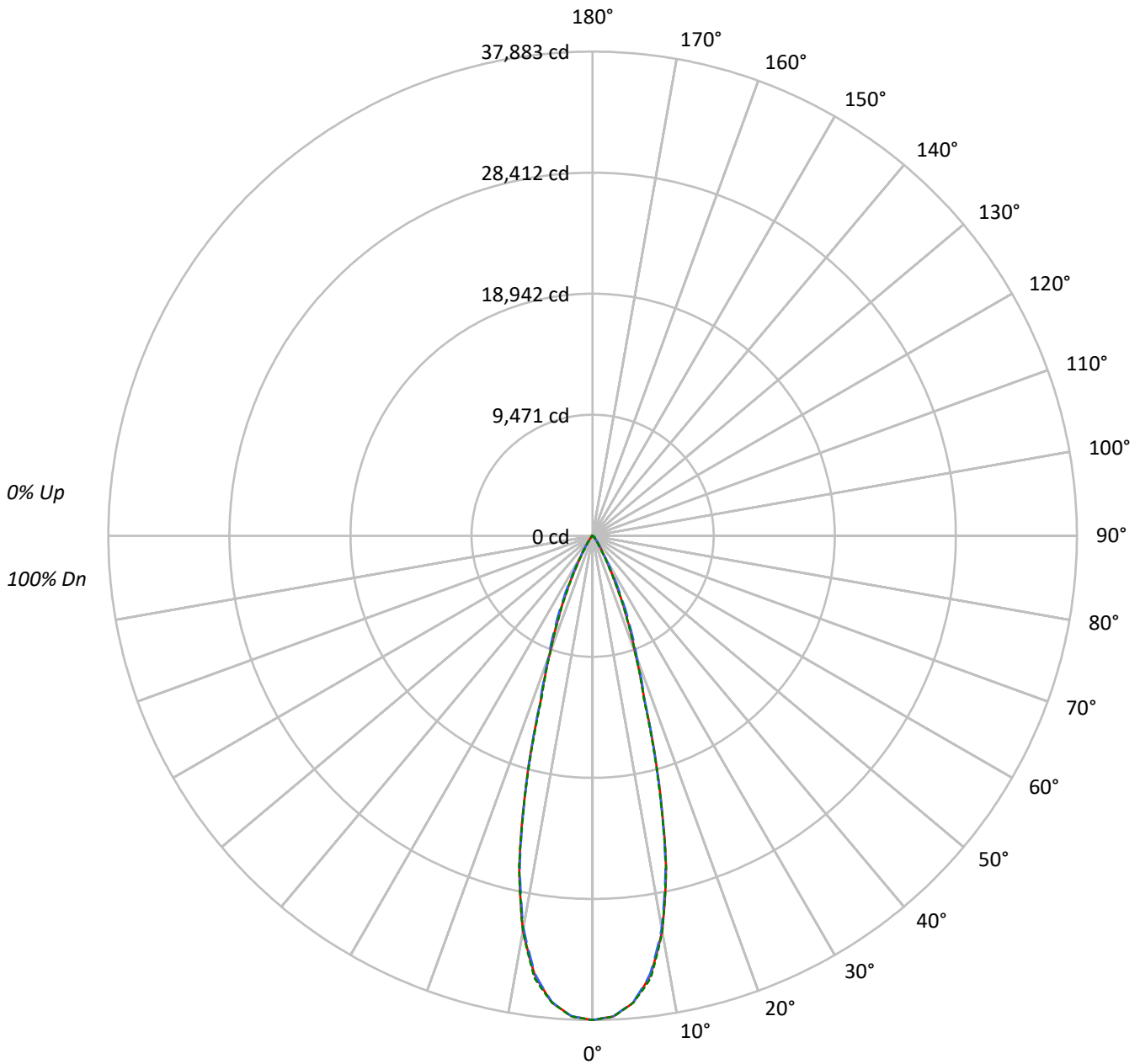


Downlight

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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°	2899724	2899724	2899724
5°	2816485	2813196	2816623
10°	2439498	2422298	2438923
15°	1591654	1583104	1575148
20°	791457	821148	790390
25°	398676	449578	390509
30°	159623	173923	139073
35°	74034	70913	59439
40°	31965	35502	30106
45°	22548	27982	22754
50°	7752	20375	8193
55°	4471	8434	4711
60°	3138	3705	3138
65°	2029	2029	2029
70°	1253	828	1253
75°	0	562	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 27982 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3331.3	28.3
10°-20°	5365.0	45.5
20°-30°	2318.4	19.7
30°-40°	528.4	4.5
40°-50°	181.4	1.5
50°-60°	44.3	0.4
60°-70°	11.5	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°	11014.7	93.5
0°-40°	11543.1	98.0
0°-60°	11768.8	99.9
0°-90°	11781.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11781.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	37883	37883	37883	37883	37883	
5°	36656	36620	36613	36689	36658	3334
15°	20086	19844	19978	19913	19877	5378
25°	4720	4899	5323	4774	4624	2260
35°	792	809	759	753	636	537
45°	208	258	258	258	210	148
55°	34	35	63	37	35	33
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°	37883.4	37883.4	37883.4	37883.4	37883.4
2.5°	37632.3	37606.3	37621.2	37639.8	37647.2
5°	36655.9	36620.5	36613.1	36689.3	36657.7
7.5°	34686.2	34636.0	34559.7	34732.7	34894.5
10°	31386.6	31330.8	31165.3	31247.1	31379.2
12.5°	26515.4	26335.0	26331.3	26591.7	26556.3
15°	20085.6	19843.8	19977.7	19912.6	19877.3
17.5°	13506.9	13413.9	13592.5	13538.6	13306.1
20°	9716.4	9740.5	10080.9	9909.8	9703.3
22.5°	7090.1	7177.5	7581.1	7140.3	6978.5
25°	4720.5	4899.1	5323.2	4774.5	4623.8
27.5°	2903.4	2985.2	3414.9	2866.2	2784.3
30°	1806.0	1765.1	1967.8	1688.8	1573.5
32.5°	1184.8	1132.7	1197.8	1075.1	982.1
35°	792.3	809.1	758.9	753.3	636.1
37.5°	494.7	569.1	502.2	535.7	409.2
40°	319.9	412.9	355.3	392.4	301.3
42.5°	262.3	318.1	292.0	310.6	267.8
45°	208.3	258.5	258.5	258.5	210.2
47.5°	115.3	173.0	221.3	176.7	122.8
50°	65.1	87.4	171.1	91.1	68.8
52.5°	44.6	50.2	117.2	52.1	46.5
55°	33.5	35.3	63.2	37.2	35.3
57.5°	26.0	27.9	33.5	27.9	26.0
60°	20.5	20.5	24.2	22.3	20.5
62.5°	14.9	14.9	16.7	14.9	14.9
65°	11.2	11.2	11.2	11.2	11.2
67.5°	5.6	7.4	7.4	7.4	7.4
70°	5.6	3.7	3.7	3.7	5.6
72.5°	3.7	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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)