

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: P762887

Luminaire Tested: LD6D25D010-EU6DR1515309030-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762887  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D25D010-EU6DR1515309030-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2697.2 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (Ain): 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



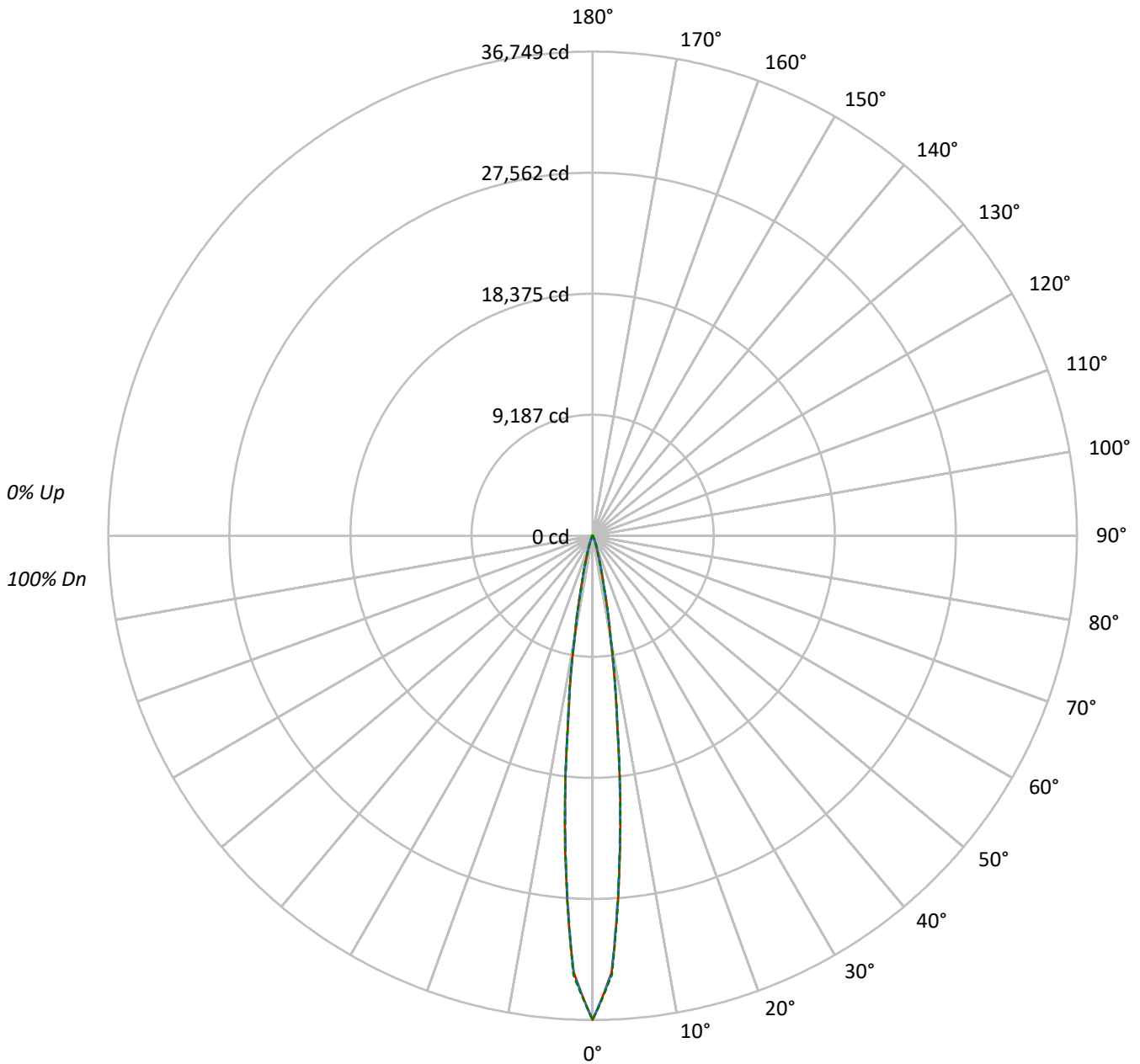
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4135007	4135007	4135007
5°	2429927	2398462	2417437
10°	725224	730300	741478
15°	180393	183902	178230
20°	53970	62504	55116
25°	19023	24235	19273
30°	6986	9203	7106
35°	3500	3958	3391
40°	2209	2429	2209
45°	1631	1743	1631
50°	1300	1300	1300
55°	1086	1086	1086
60°	871	871	871
65°	664	664	664
70°	570	570	570
75°	355	355	469
80°	244	244	244
85°	133	133	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1743 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1749.3	64.9
10°-20°	719.6	26.7
20°-30°	142.9	5.3
30°-40°	35.7	1.3
40°-50°	18.7	0.7
50°-60°	13.9	0.5
60°-70°	9.8	0.4
70°-80°	5.6	0.2
80°-90°	1.7	0.1
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°	2611.8	96.8
0°-40°	2647.5	98.2
0°-60°	2680.1	99.4
0°-90°	2697.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2697.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	36749	36749	36749	36749	36749	
5°	23910	23664	23600	23764	23787	1746
15°	2077	2116	2117	2080	2052	712
25°	244	277	311	275	247	128
35°	48	51	54	51	47	33
45°	23	23	25	23	23	18
55°	16	16	16	16	16	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	36749.1	36749.1	36749.1	36749.1	36749.1
2.5°	33149.2	33177.2	33188.1	33220.7	33342.1
5°	23909.8	23664.0	23600.2	23763.5	23786.9
7.5°	14163.2	14213.0	14395.0	14435.5	14289.2
10°	7772.4	7836.1	7826.8	7882.8	7946.6
12.5°	3974.9	3925.1	3909.5	3973.3	3884.6
15°	2076.9	2115.8	2117.3	2080.0	2052.0
17.5°	1117.0	1162.1	1236.8	1176.1	1082.8
20°	659.6	700.1	763.9	714.1	673.6
22.5°	407.6	440.3	485.4	446.5	413.8
25°	244.2	276.9	311.1	275.4	247.4
27.5°	144.7	172.7	194.5	171.1	143.1
30°	93.3	108.9	122.9	107.3	94.9
32.5°	65.3	71.6	77.8	71.6	65.3
35°	48.2	51.3	54.5	51.3	46.7
37.5°	37.3	40.4	42.0	38.9	35.8
40°	31.1	32.7	34.2	32.7	31.1
42.5°	26.4	28.0	28.0	28.0	26.4
45°	23.3	23.3	24.9	23.3	23.3
47.5°	20.2	20.2	21.8	20.2	20.2
50°	18.7	18.7	18.7	18.7	18.7
52.5°	17.1	17.1	17.1	17.1	17.1
55°	15.6	15.6	15.6	15.6	15.6
57.5°	14.0	14.0	14.0	14.0	14.0
60°	12.4	12.4	12.4	12.4	12.4
62.5°	10.9	10.9	10.9	10.9	10.9
65°	9.3	9.3	9.3	9.3	9.3
67.5°	9.3	9.3	9.3	9.3	9.3
70°	7.8	7.8	7.8	7.8	7.8
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.7	4.7	4.7	4.7	6.2
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6
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)