

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: P762910

Luminaire Tested: LD6D25D010-EU6DR1515309035-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762910  
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-EU6DR1515309035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2746.1 lumens  
Efficiency: N/A  
Efficacy: 109.4 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



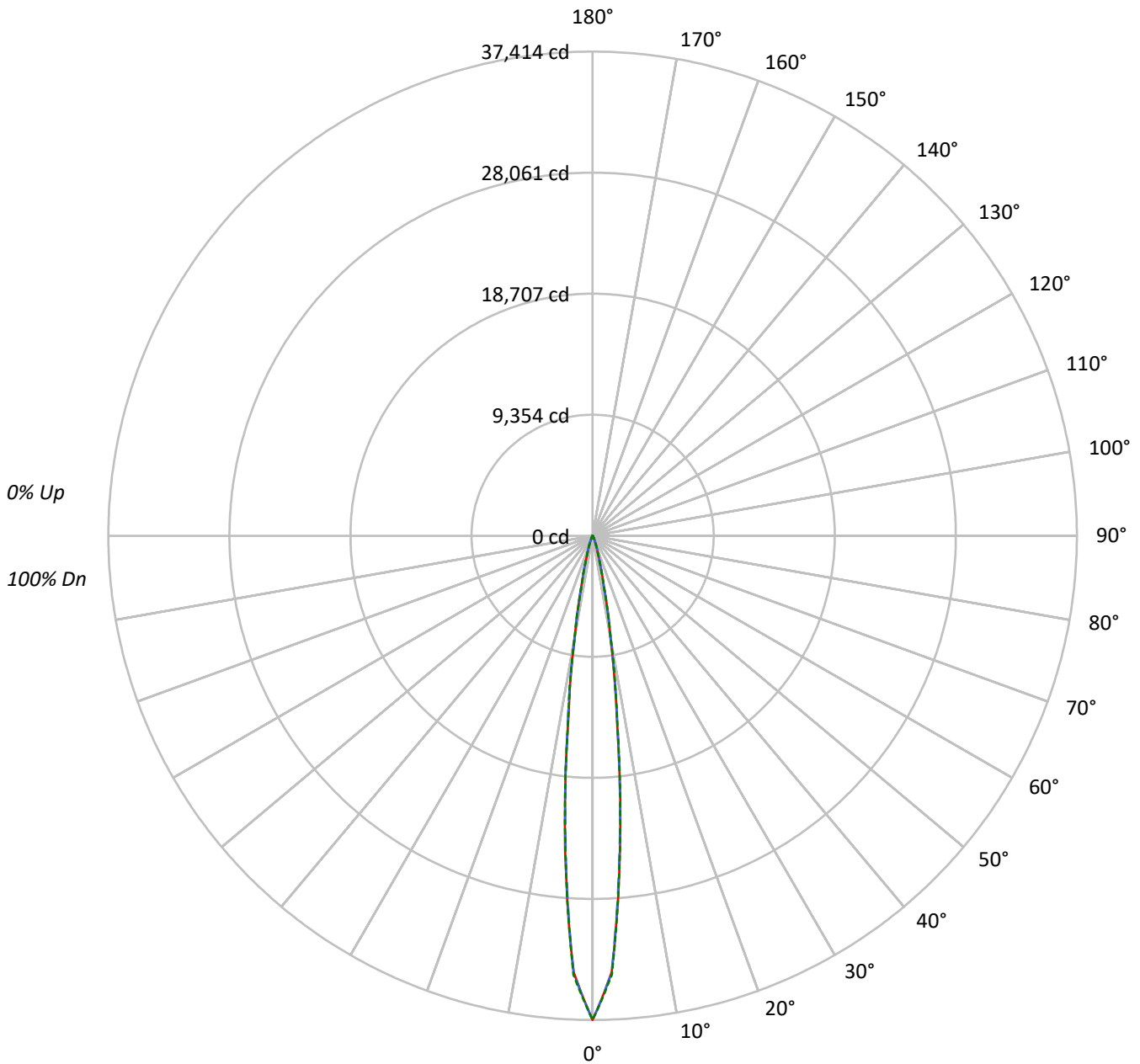
Downlight



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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					70					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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96					96			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92					92			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87					87			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86			

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

	0°	45°	90°
0°	4209844	4209844	4209844
5°	2473902	2441868	2461188
10°	738343	743522	754896
15°	183659	187229	181453
20°	54952	63634	56114
25°	19374	24679	19615
30°	7114	9368	7234
35°	3566	4023	3449
40°	2251	2471	2251
45°	1666	1771	1666
50°	1321	1321	1321
55°	1100	1100	1100
60°	892	892	892
65°	678	678	678
70°	578	578	578
75°	363	363	476
80°	252	252	252
85°	133	133	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1771 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1781.0	64.9
10°-20°	732.6	26.7
20°-30°	145.5	5.3
30°-40°	36.3	1.3
40°-50°	19.1	0.7
50°-60°	14.2	0.5
60°-70°	10.0	0.4
70°-80°	5.7	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°	2659.1	96.8
0°-40°	2695.4	98.2
0°-60°	2728.6	99.4
0°-90°	2746.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2746.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	37414	37414	37414	37414	37414	
5°	24342	24092	24027	24194	24217	1778
15°	2114	2154	2156	2118	2089	725
25°	249	282	317	280	252	131
35°	49	52	55	52	48	33
45°	24	24	25	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	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°	37414.2	37414.2	37414.2	37414.2	37414.2
2.5°	33749.1	33777.6	33788.7	33822.0	33945.5
5°	24342.5	24092.3	24027.3	24193.6	24217.4
7.5°	14419.6	14470.2	14655.6	14696.7	14547.9
10°	7913.0	7978.0	7968.5	8025.5	8090.4
12.5°	4046.8	3996.1	3980.3	4045.2	3954.9
15°	2114.5	2154.1	2155.6	2117.6	2089.1
17.5°	1137.2	1183.2	1259.2	1197.4	1102.4
20°	671.6	712.7	777.7	727.0	685.8
22.5°	415.0	448.2	494.2	454.6	421.3
25°	248.7	281.9	316.8	280.3	251.8
27.5°	147.3	175.8	198.0	174.2	145.7
30°	95.0	110.9	125.1	109.3	96.6
32.5°	66.5	72.9	79.2	72.9	66.5
35°	49.1	52.3	55.4	52.3	47.5
37.5°	38.0	41.2	42.8	39.6	36.4
40°	31.7	33.3	34.8	33.3	31.7
42.5°	26.9	28.5	28.5	28.5	26.9
45°	23.8	23.8	25.3	23.8	23.8
47.5°	20.6	20.6	22.2	20.6	20.6
50°	19.0	19.0	19.0	19.0	19.0
52.5°	17.4	17.4	17.4	17.4	17.4
55°	15.8	15.8	15.8	15.8	15.8
57.5°	14.3	14.3	14.3	14.3	14.3
60°	12.7	12.7	12.7	12.7	12.7
62.5°	11.1	11.1	11.1	11.1	11.1
65°	9.5	9.5	9.5	9.5	9.5
67.5°	9.5	9.5	9.5	9.5	9.5
70°	7.9	7.9	7.9	7.9	7.9
72.5°	6.3	6.3	6.3	6.3	6.3
75°	4.8	4.8	4.8	4.8	6.3
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
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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