

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: P762870

Luminaire Tested: LD6D25D010-EU6DR1515309024-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762870  
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-EU6DR1515309024-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2159.4 lumens  
Efficiency: N/A  
Efficacy: 86.0 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



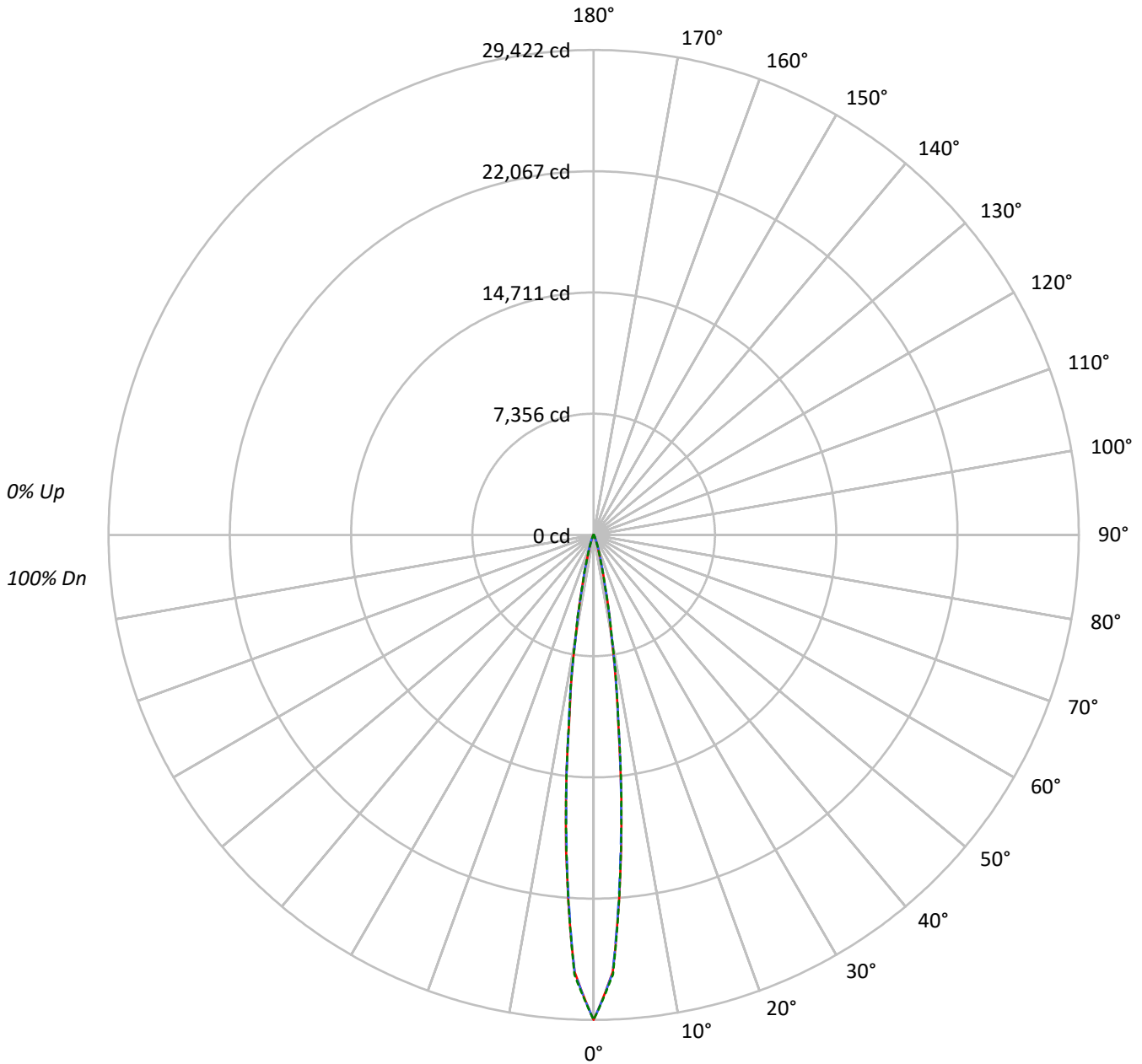
Downlight



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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°	3310562	3310562	3310562
5°	1945441	1920258	1935441
10°	580625	584693	593642
15°	144426	147240	142697
20°	43211	50043	44127
25°	15230	19405	15424
30°	5594	7368	5691
35°	2803	3166	2716
40°	1768	1946	1768
45°	1309	1393	1309
50°	1036	1036	1036
55°	870	870	870
60°	702	702	702
65°	535	535	535
70°	453	453	453
75°	280	280	378
80°	197	197	197
85°	100	100	100

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1393 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1400.5	64.9
10°-20°	576.1	26.7
20°-30°	114.4	5.3
30°-40°	28.6	1.3
40°-50°	15.0	0.7
50°-60°	11.1	0.5
60°-70°	7.9	0.4
70°-80°	4.5	0.2
80°-90°	1.3	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°	2091.1	96.8
0°-40°	2119.6	98.2
0°-60°	2145.8	99.4
0°-90°	2159.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	29422	29422	29422	29422	29422	
5°	19143	18946	18895	19026	19044	1398
15°	1663	1694	1695	1665	1643	570
25°	196	222	249	220	198	103
35°	39	41	44	41	37	26
45°	19	19	20	19	19	15
55°	12	12	12	12	12	11
65°	8	8	8	8	8	8
75°	4	4	4	4	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	29422.0	29422.0	29422.0	29422.0	29422.0
2.5°	26539.9	26562.3	26571.0	26597.2	26694.3
5°	19142.6	18945.8	18894.8	19025.6	19044.2
7.5°	11339.4	11379.2	11524.9	11557.3	11440.2
10°	6222.7	6273.8	6266.3	6311.1	6362.2
12.5°	3182.3	3142.5	3130.0	3181.1	3110.1
15°	1662.8	1693.9	1695.2	1665.3	1642.9
17.5°	894.3	930.4	990.2	941.6	866.9
20°	528.1	560.5	611.6	571.7	539.3
22.5°	326.3	352.5	388.6	357.5	331.3
25°	195.5	221.7	249.1	220.5	198.0
27.5°	115.8	138.3	155.7	137.0	114.6
30°	74.7	87.2	98.4	85.9	76.0
32.5°	52.3	57.3	62.3	57.3	52.3
35°	38.6	41.1	43.6	41.1	37.4
37.5°	29.9	32.4	33.6	31.1	28.6
40°	24.9	26.2	27.4	26.2	24.9
42.5°	21.2	22.4	22.4	22.4	21.2
45°	18.7	18.7	19.9	18.7	18.7
47.5°	16.2	16.2	17.4	16.2	16.2
50°	14.9	14.9	14.9	14.9	14.9
52.5°	13.7	13.7	13.7	13.7	13.7
55°	12.5	12.5	12.5	12.5	12.5
57.5°	11.2	11.2	11.2	11.2	11.2
60°	10.0	10.0	10.0	10.0	10.0
62.5°	8.7	8.7	8.7	8.7	8.7
65°	7.5	7.5	7.5	7.5	7.5
67.5°	7.5	7.5	7.5	7.5	7.5
70°	6.2	6.2	6.2	6.2	6.2
72.5°	5.0	5.0	5.0	5.0	5.0
75°	3.7	3.7	3.7	3.7	5.0
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
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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