

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: P762872

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762872  
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-EU6DR1515309027-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2539.5 lumens  
Efficiency: N/A  
Efficacy: 101.2 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

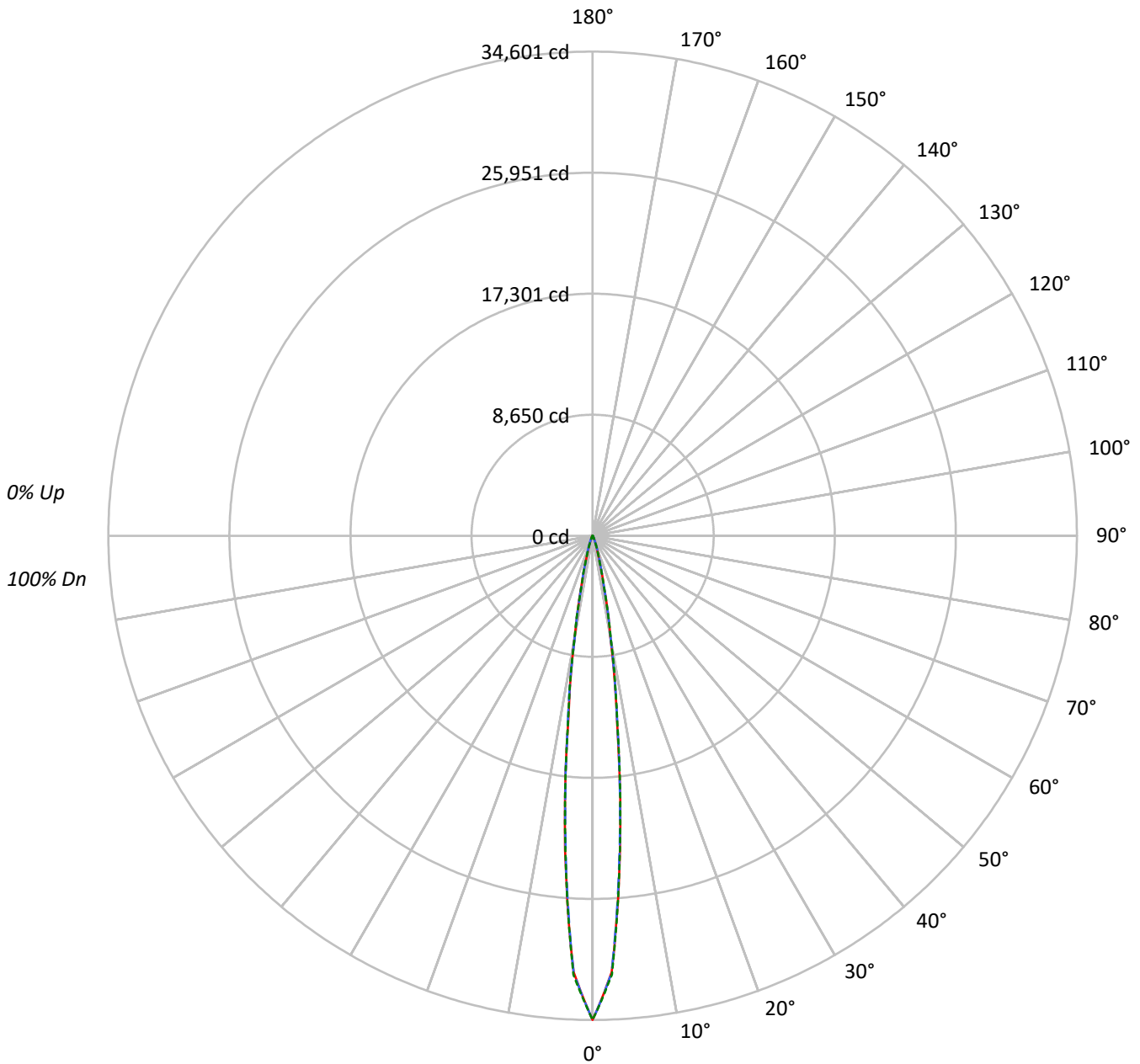


Downlight



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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	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°	3893258	3893258	3893258
5°	2287860	2258235	2276101
10°	682825	687602	698127
15°	169849	173149	167807
20°	50820	58847	51892
25°	17917	22825	18143
30°	6582	8664	6694
35°	3297	3725	3188
40°	2081	2287	2081
45°	1540	1638	1540
50°	1224	1224	1224
55°	1016	1016	1016
60°	821	821	821
65°	628	628	628
70°	534	534	534
75°	333	333	446
80°	229	229	229
85°	125	125	125

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1638 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1647.1	64.9
10°-20°	677.5	26.7
20°-30°	134.6	5.3
30°-40°	33.6	1.3
40°-50°	17.7	0.7
50°-60°	13.1	0.5
60°-70°	9.3	0.4
70°-80°	5.3	0.2
80°-90°	1.6	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°	2459.1	96.8
0°-40°	2492.7	98.2
0°-60°	2523.4	99.4
0°-90°	2539.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34601	34601	34601	34601	34601	
5°	22512	22280	22220	22374	22396	1644
15°	1956	1992	1994	1958	1932	670
25°	230	261	293	259	233	121
35°	45	48	51	48	44	31
45°	22	22	23	22	22	17
55°	15	15	15	15	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
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°	34600.6	34600.6	34600.6	34600.6	34600.6
2.5°	31211.2	31237.5	31247.8	31278.5	31392.8
5°	22511.9	22280.5	22220.4	22374.2	22396.2
7.5°	13335.2	13382.1	13553.4	13591.5	13453.8
10°	7318.0	7378.0	7369.2	7422.0	7482.0
12.5°	3742.5	3695.6	3680.9	3741.0	3657.5
15°	1955.5	1992.1	1993.5	1958.4	1932.0
17.5°	1051.7	1094.2	1164.5	1107.4	1019.5
20°	621.1	659.1	719.2	672.3	634.2
22.5°	383.8	414.5	457.0	420.4	389.6
25°	230.0	260.7	293.0	259.3	232.9
27.5°	136.2	162.6	183.1	161.1	134.8
30°	87.9	102.5	115.7	101.1	89.4
32.5°	61.5	67.4	73.2	67.4	61.5
35°	45.4	48.3	51.3	48.3	43.9
37.5°	35.2	38.1	39.5	36.6	33.7
40°	29.3	30.8	32.2	30.8	29.3
42.5°	24.9	26.4	26.4	26.4	24.9
45°	22.0	22.0	23.4	22.0	22.0
47.5°	19.0	19.0	20.5	19.0	19.0
50°	17.6	17.6	17.6	17.6	17.6
52.5°	16.1	16.1	16.1	16.1	16.1
55°	14.6	14.6	14.6	14.6	14.6
57.5°	13.2	13.2	13.2	13.2	13.2
60°	11.7	11.7	11.7	11.7	11.7
62.5°	10.3	10.3	10.3	10.3	10.3
65°	8.8	8.8	8.8	8.8	8.8
67.5°	8.8	8.8	8.8	8.8	8.8
70°	7.3	7.3	7.3	7.3	7.3
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.4	4.4	4.4	4.4	5.9
77.5°	4.4	4.4	4.4	4.4	4.4
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.5	1.5	1.5	1.5	1.5
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)