

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: P762871

Luminaire Tested: LD6D25D010-EU6DR1515309024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762871  
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-EU6DR1515309024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2269.4 lumens  
Efficiency: N/A  
Efficacy: 90.4 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



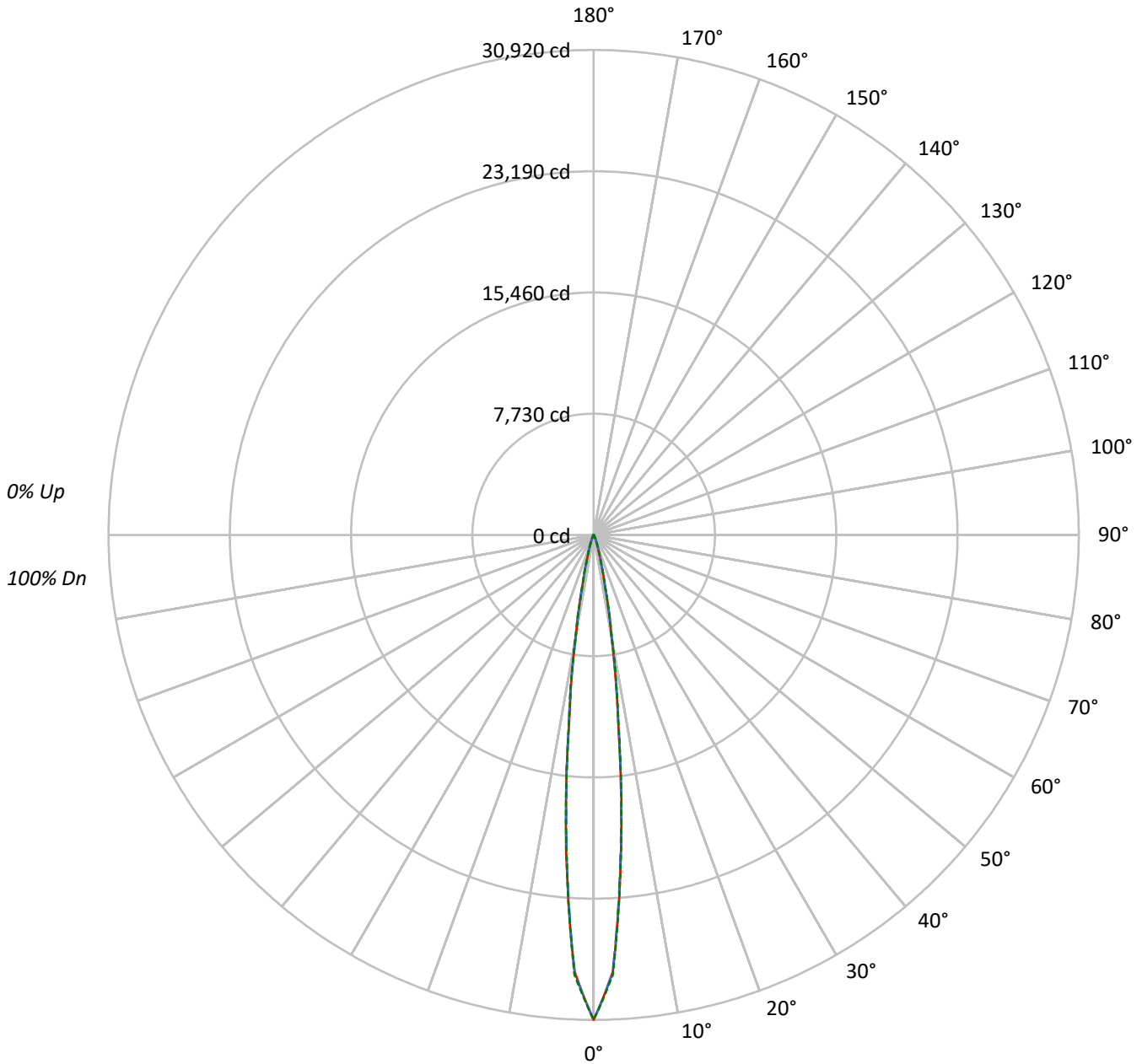
Downlight



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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									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°	3479106	3479106	3479106
5°	2044489	2018015	2033981
10°	610185	614458	623864
15°	151774	154735	149958
20°	45412	52588	46377
25°	16009	20394	16211
30°	5878	7743	5976
35°	2948	3326	2854
40°	1861	2045	1861
45°	1372	1463	1372
50°	1092	1092	1092
55°	912	912	912
60°	737	737	737
65°	564	564	564
70°	475	475	475
75°	295	295	393
80°	205	205	205
85°	108	108	108

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1463 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1471.8	64.9
10°-20°	605.4	26.7
20°-30°	120.2	5.3
30°-40°	30.0	1.3
40°-50°	15.8	0.7
50°-60°	11.7	0.5
60°-70°	8.3	0.4
70°-80°	4.7	0.2
80°-90°	1.4	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°	2197.5	96.8
0°-40°	2227.5	98.2
0°-60°	2255.0	99.4
0°-90°	2269.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2269.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	30920	30920	30920	30920	30920	
5°	20117	19910	19857	19994	20014	1469
15°	1747	1780	1782	1750	1726	599
25°	206	233	262	232	208	108
35°	41	43	46	43	39	28
45°	20	20	21	20	20	15
55°	13	13	13	13	13	12
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
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°	30919.9	30919.9	30919.9	30919.9	30919.9
2.5°	27891.0	27914.5	27923.7	27951.2	28053.3
5°	20117.2	19910.4	19856.7	19994.1	20013.8
7.5°	11916.6	11958.5	12111.7	12145.7	12022.7
10°	6539.5	6593.2	6585.3	6632.4	6686.1
12.5°	3344.4	3302.5	3289.4	3343.0	3268.4
15°	1747.4	1780.2	1781.5	1750.1	1726.5
17.5°	939.8	977.8	1040.6	989.6	911.0
20°	555.0	589.0	642.7	600.8	566.8
22.5°	342.9	370.4	408.4	375.7	348.2
25°	205.5	233.0	261.8	231.7	208.1
27.5°	121.7	145.3	163.6	144.0	120.4
30°	78.5	91.6	103.4	90.3	79.8
32.5°	55.0	60.2	65.4	60.2	55.0
35°	40.6	43.2	45.8	43.2	39.3
37.5°	31.4	34.0	35.3	32.7	30.1
40°	26.2	27.5	28.8	27.5	26.2
42.5°	22.3	23.6	23.6	23.6	22.3
45°	19.6	19.6	20.9	19.6	19.6
47.5°	17.0	17.0	18.3	17.0	17.0
50°	15.7	15.7	15.7	15.7	15.7
52.5°	14.4	14.4	14.4	14.4	14.4
55°	13.1	13.1	13.1	13.1	13.1
57.5°	11.8	11.8	11.8	11.8	11.8
60°	10.5	10.5	10.5	10.5	10.5
62.5°	9.2	9.2	9.2	9.2	9.2
65°	7.9	7.9	7.9	7.9	7.9
67.5°	7.9	7.9	7.9	7.9	7.9
70°	6.5	6.5	6.5	6.5	6.5
72.5°	5.2	5.2	5.2	5.2	5.2
75°	3.9	3.9	3.9	3.9	5.2
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
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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