

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: P762883

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762883  
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-EU6DR1515309027-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2397.1 lumens  
Efficiency: N/A  
Efficacy: 95.5 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



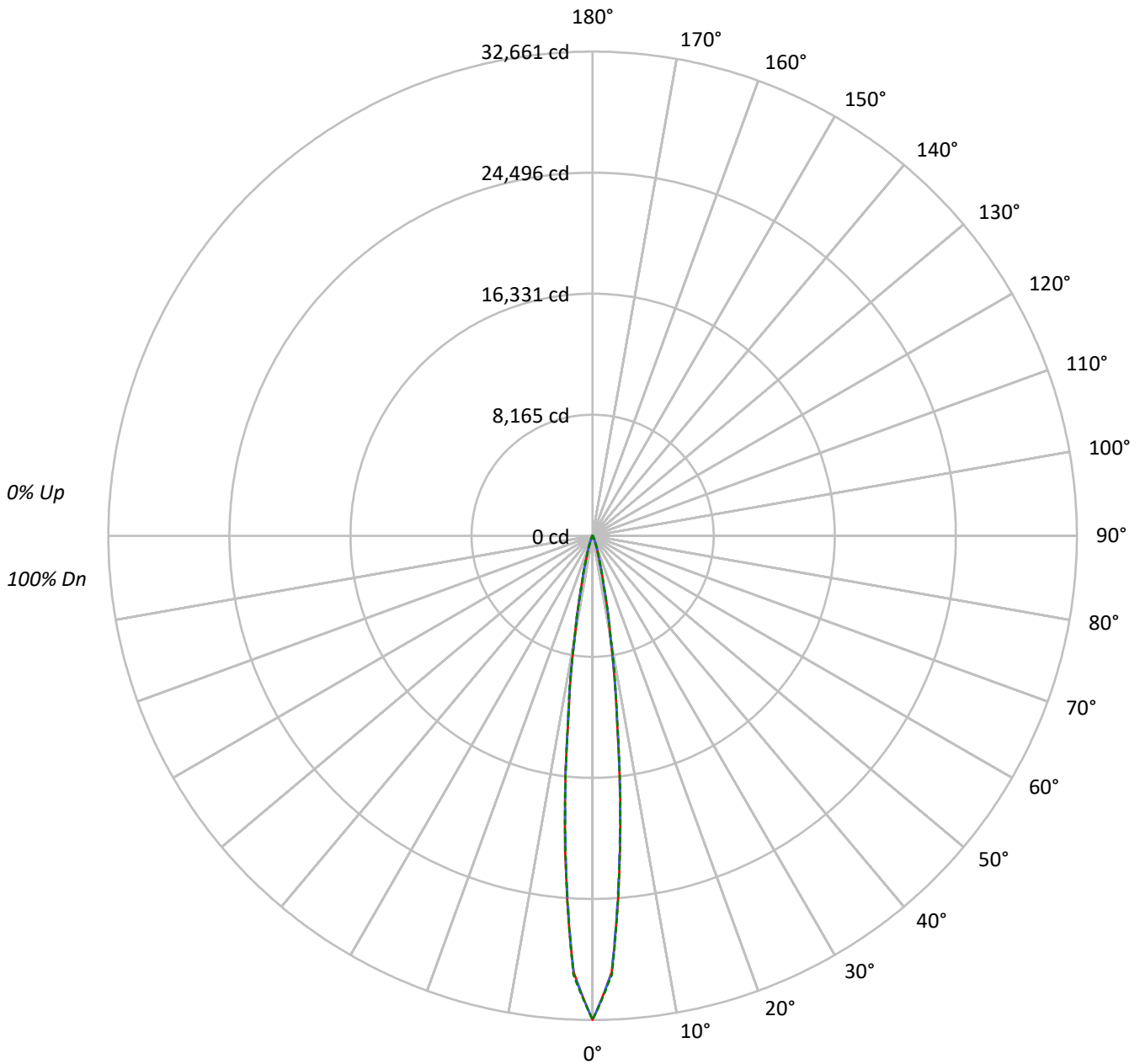
Downlight



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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	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°	3674992	3674992	3674992
5°	2159594	2131636	2148496
10°	644541	649057	658985
15°	160320	163447	158401
20°	47965	55549	48987
25°	16912	21540	17123
30°	6215	8177	6312
35°	3115	3515	3014
40°	1967	2159	1967
45°	1449	1547	1449
50°	1154	1154	1154
55°	961	961	961
60°	779	779	779
65°	592	592	592
70°	505	505	505
75°	310	310	416
80°	221	221	221
85°	116	116	116

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1547 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1554.7	64.9
10°-20°	639.5	26.7
20°-30°	127.0	5.3
30°-40°	31.7	1.3
40°-50°	16.7	0.7
50°-60°	12.3	0.5
60°-70°	8.7	0.4
70°-80°	4.9	0.2
80°-90°	1.5	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°	2321.2	96.8
0°-40°	2352.9	98.2
0°-60°	2381.9	99.4
0°-90°	2397.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2397.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	32661	32661	32661	32661	32661	
5°	21250	21031	20975	21120	21141	1552
15°	1846	1880	1882	1849	1824	633
25°	217	246	276	245	220	114
35°	43	46	48	46	42	29
45°	21	21	22	21	21	16
55°	14	14	14	14	14	12
65°	8	8	8	8	8	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	32660.8	32660.8	32660.8	32660.8	32660.8
2.5°	29461.3	29486.2	29495.9	29524.9	29632.8
5°	21249.8	21031.4	20974.7	21119.9	21140.6
7.5°	12587.6	12631.8	12793.6	12829.5	12699.6
10°	6907.7	6964.4	6956.1	7005.8	7062.5
12.5°	3532.7	3488.4	3474.6	3531.3	3452.5
15°	1845.8	1880.4	1881.8	1848.6	1823.7
17.5°	992.7	1032.8	1099.2	1045.3	962.3
20°	586.2	622.2	678.9	634.6	598.7
22.5°	362.3	391.3	431.4	396.8	367.8
25°	217.1	246.1	276.5	244.7	219.8
27.5°	128.6	153.5	172.8	152.1	127.2
30°	83.0	96.8	109.2	95.4	84.3
32.5°	58.1	63.6	69.1	63.6	58.1
35°	42.9	45.6	48.4	45.6	41.5
37.5°	33.2	35.9	37.3	34.6	31.8
40°	27.7	29.0	30.4	29.0	27.7
42.5°	23.5	24.9	24.9	24.9	23.5
45°	20.7	20.7	22.1	20.7	20.7
47.5°	18.0	18.0	19.4	18.0	18.0
50°	16.6	16.6	16.6	16.6	16.6
52.5°	15.2	15.2	15.2	15.2	15.2
55°	13.8	13.8	13.8	13.8	13.8
57.5°	12.4	12.4	12.4	12.4	12.4
60°	11.1	11.1	11.1	11.1	11.1
62.5°	9.7	9.7	9.7	9.7	9.7
65°	8.3	8.3	8.3	8.3	8.3
67.5°	8.3	8.3	8.3	8.3	8.3
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.5	5.5	5.5	5.5	5.5
75°	4.1	4.1	4.1	4.1	5.5
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
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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