

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: P762919

Luminaire Tested: LD6D25D010-EU6DR1515309040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762919  
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-EU6DR1515309040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3270.3 lumens  
Efficiency: N/A  
Efficacy: 130.3 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 (A<sub>in</sub>): 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

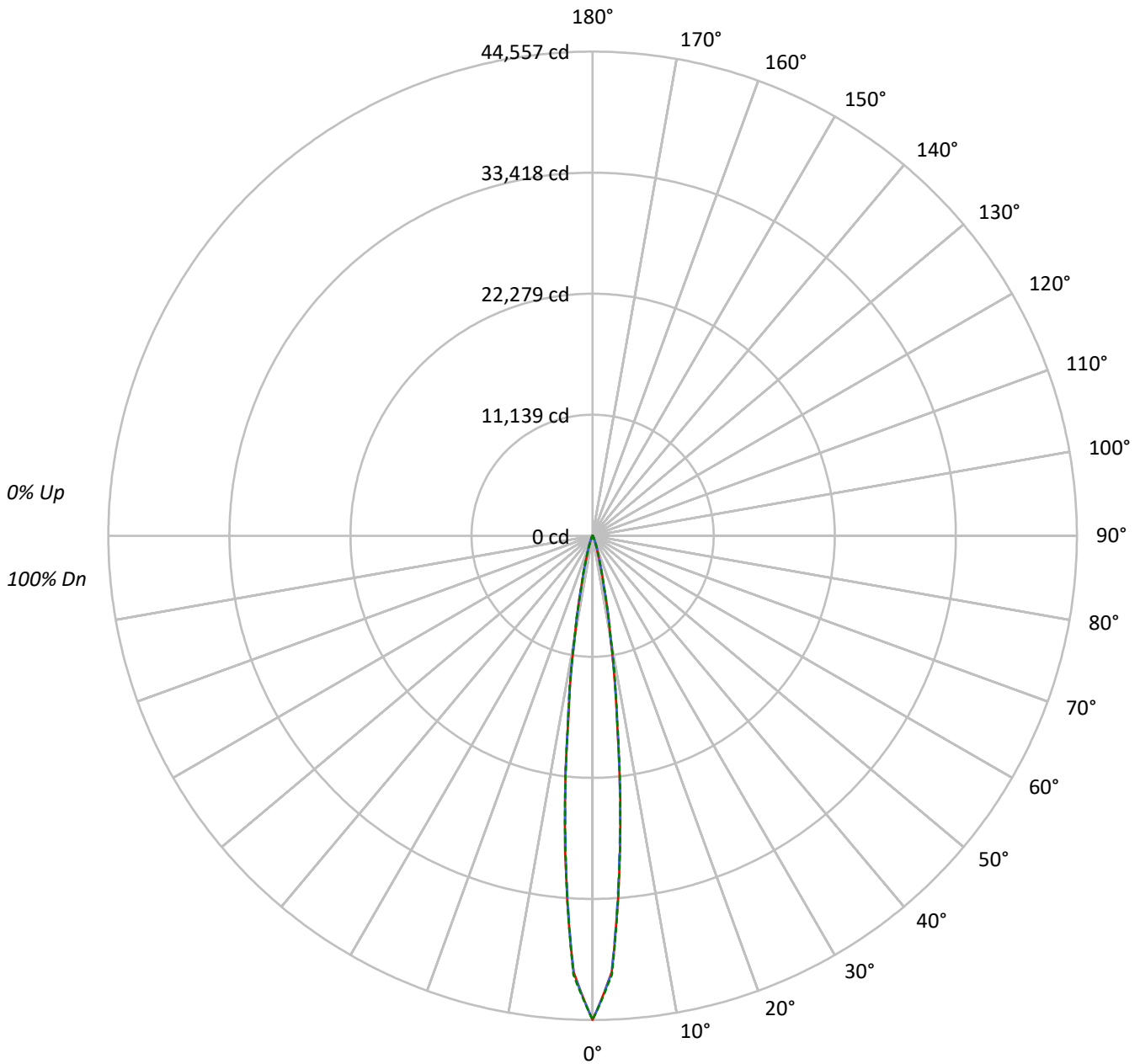


Downlight



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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°	5013563	5013563	5013563
5°	2946202	2908060	2931059
10°	879303	885461	899019
15°	218714	222979	216100
20°	65442	75784	66825
25°	23066	29392	23362
30°	8477	11157	8619
35°	4248	4793	4110
40°	2677	2947	2677
45°	1981	2114	1981
50°	1572	1572	1572
55°	1316	1316	1316
60°	1060	1060	1060
65°	806	806	806
70°	687	687	687
75°	431	431	567
80°	300	300	300
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2114 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2121.0	64.9
10°-20°	872.4	26.7
20°-30°	173.3	5.3
30°-40°	43.2	1.3
40°-50°	22.7	0.7
50°-60°	16.9	0.5
60°-70°	11.9	0.4
70°-80°	6.8	0.2
80°-90°	2.1	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°	3166.7	96.8
0°-40°	3210.0	98.2
0°-60°	3249.6	99.4
0°-90°	3270.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3270.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	44557	44557	44557	44557	44557	
5°	28990	28692	28614	28812	28841	2117
15°	2518	2565	2567	2522	2488	863
25°	296	336	377	334	300	156
35°	58	62	66	62	57	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	7
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°	44557.1	44557.1	44557.1	44557.1	44557.1
2.5°	40192.3	40226.3	40239.5	40279.1	40426.2
5°	28989.8	28691.8	28614.5	28812.5	28840.8
7.5°	17172.5	17232.8	17453.5	17502.6	17325.2
10°	9423.7	9501.1	9489.7	9557.7	9635.0
12.5°	4819.4	4759.0	4740.2	4817.5	4710.0
15°	2518.1	2565.3	2567.2	2521.9	2488.0
17.5°	1354.3	1409.0	1499.6	1426.0	1312.8
20°	799.8	848.8	926.2	865.8	816.7
22.5°	494.2	533.8	588.5	541.4	501.7
25°	296.1	335.8	377.3	333.9	299.9
27.5°	175.4	209.4	235.8	207.5	173.5
30°	113.2	132.0	149.0	130.2	115.1
32.5°	79.2	86.8	94.3	86.8	79.2
35°	58.5	62.2	66.0	62.2	56.6
37.5°	45.3	49.0	50.9	47.2	43.4
40°	37.7	39.6	41.5	39.6	37.7
42.5°	32.1	34.0	34.0	34.0	32.1
45°	28.3	28.3	30.2	28.3	28.3
47.5°	24.5	24.5	26.4	24.5	24.5
50°	22.6	22.6	22.6	22.6	22.6
52.5°	20.7	20.7	20.7	20.7	20.7
55°	18.9	18.9	18.9	18.9	18.9
57.5°	17.0	17.0	17.0	17.0	17.0
60°	15.1	15.1	15.1	15.1	15.1
62.5°	13.2	13.2	13.2	13.2	13.2
65°	11.3	11.3	11.3	11.3	11.3
67.5°	11.3	11.3	11.3	11.3	11.3
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.5	7.5	7.5	7.5	7.5
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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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