

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: P744942

Luminaire Tested: LD4D25D010-EU4DR2015309050-4LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744942  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR2015309050-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2707.0 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
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

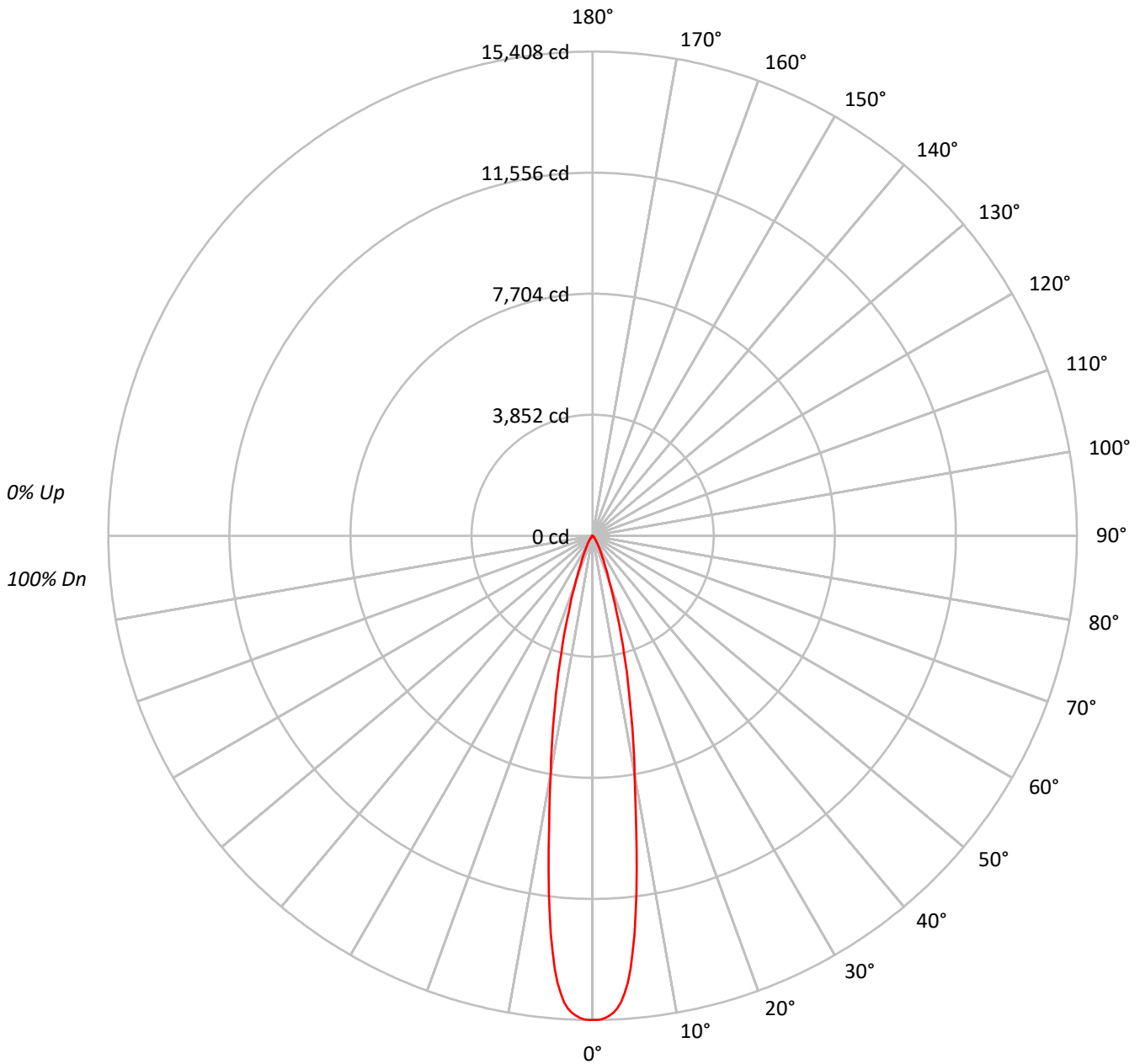


Downlight



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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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	100	99	98	98	96	95	94													
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	98	96	95	94													
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	98	96	95	94													
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	93	91	89	88													
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	91	88	86	85													
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	88	86	84	88	86	84	83													
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	86	84	82	86	84	82	81													
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	84	82	80	84	82	80	79													
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	82	80	78	77													
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	81	78	76	81	78	76	75													

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1683435
5°	1518768
10°	852422
15°	433299
20°	183455
25°	84691
30°	44826
35°	24156
40°	12922
45°	7633
50°	4436
55°	2343
60°	1508
65°	1060
70°	447
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7633 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1097.0	40.5
10°-20°	1080.2	39.9
20°-30°	352.9	13.0
30°-40°	120.1	4.4
40°-50°	40.4	1.5
50°-60°	12.2	0.4
60°-70°	4.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2530.0	93.5
0°-40°	2650.2	97.9
0°-60°	2702.8	99.8
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15408	
5°	13848	###
15°	3831	1080
25°	702	353
35°	181	120
45°	49	40
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15407.5
0.5°	15407.5
1°	15388.3
1.5°	15349.8
2°	15279.9
2.5°	15186.6
3°	15054.9
3.5°	14871.0
4°	14598.0
4.5°	14266.0
5°	13847.5
5.5°	13297.3
6°	12733.5
6.5°	12087.2
7°	11454.8
7.5°	10713.9
8°	10052.6
8.5°	9387.2
9°	8772.5
9.5°	8208.6
10°	7683.2
12.5°	5516.8
15°	3830.6
17.5°	2502.5
20°	1577.8
22.5°	1022.1
25°	702.5
27.5°	493.9
30°	355.3
32.5°	255.2
35°	181.1
37.5°	126.2
40°	90.6
42.5°	65.9
45°	49.4
47.5°	38.4
50°	26.1
52.5°	16.5
55°	12.3
57.5°	9.6
60°	6.9
62.5°	5.5
65°	4.1



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		2.7
70°		1.4

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Scaled Data Report



(END OF REPORT)