

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: P744887

Luminaire Tested: LD4D25D010-EU4DR2015309027-4LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744887  
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-EU4DR2015309027-4LBCSSQMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2285.5 lumens  
Efficiency: N/A  
Efficacy: 91.1 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 (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



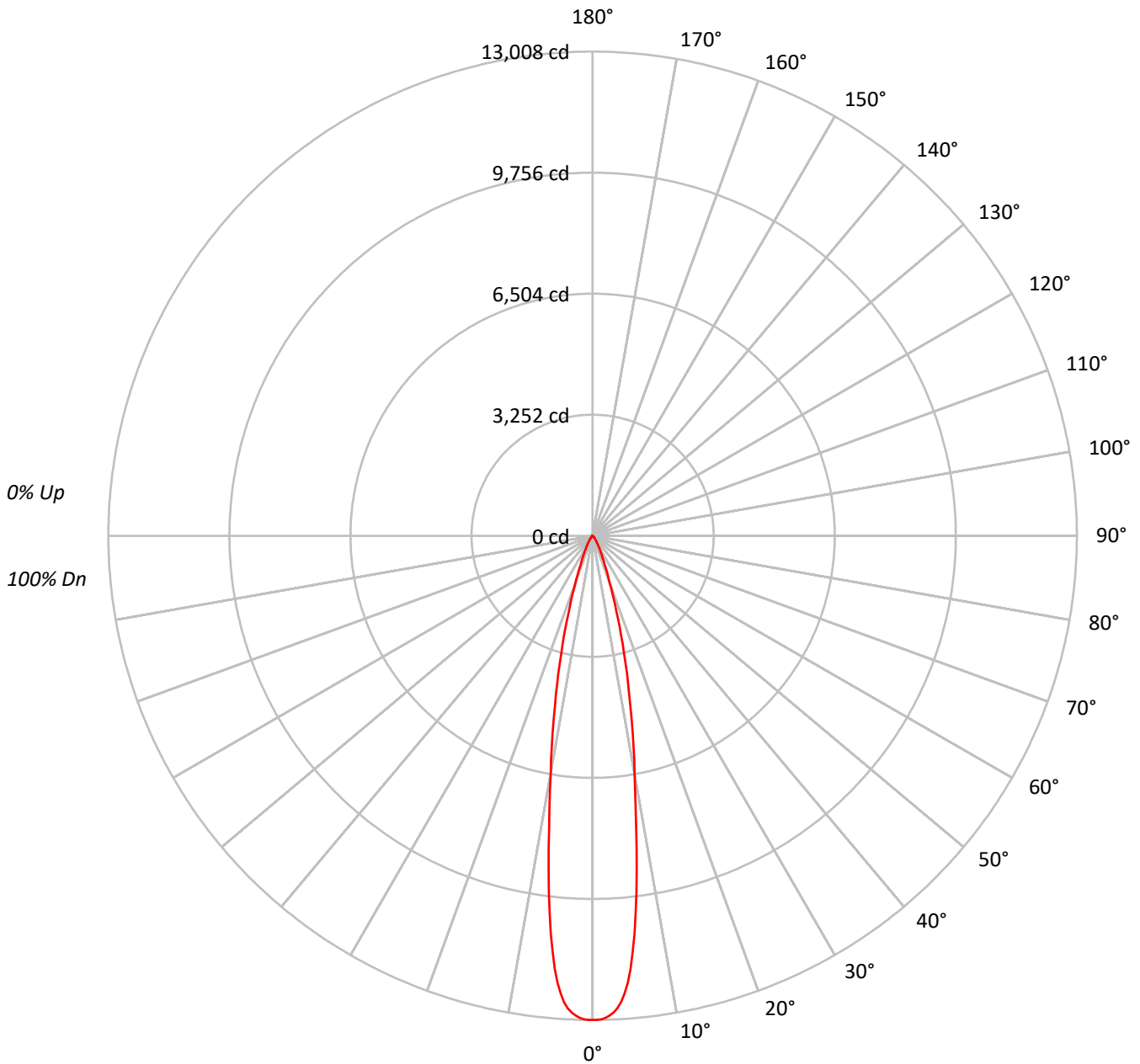
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97																	
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94																	
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91																	
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88																	
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85																	
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83																	
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81																	
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79																	
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77																	
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75																	

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

	0°
0°	1421286
5°	1282269
10°	719675
15°	365825
20°	154887
25°	71502
30°	37849
35°	20394
40°	10911
45°	6443
50°	3740
55°	1981
60°	1267
65°	905
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6443 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	926.2	40.5
10°-20°	912.0	39.9
20°-30°	297.9	13.0
30°-40°	101.5	4.4
40°-50°	34.1	1.5
50°-60°	10.3	0.4
60°-70°	3.4	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°	2136.1	93.5
0°-40°	2237.5	97.9
0°-60°	2281.9	99.8
0°-90°	2285.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2285.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13008	
5°	11691	926
15°	3234	912
25°	593	298
35°	153	101
45°	42	34
55°	10	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13008.2
0.5°	13008.2
1°	12992.0
1.5°	12959.6
2°	12900.5
2.5°	12821.7
3°	12710.5
3.5°	12555.3
4°	12324.8
4.5°	12044.5
5°	11691.2
5.5°	11226.7
6°	10750.6
6.5°	10205.0
7°	9671.0
7.5°	9045.5
8°	8487.2
8.5°	7925.4
9°	7406.5
9.5°	6930.4
10°	6486.7
12.5°	4657.7
15°	3234.1
17.5°	2112.8
20°	1332.1
22.5°	863.0
25°	593.1
27.5°	417.0
30°	300.0
32.5°	215.5
35°	152.9
37.5°	106.6
40°	76.5
42.5°	55.6
45°	41.7
47.5°	32.4
50°	22.0
52.5°	13.9
55°	10.4
57.5°	8.1
60°	5.8
62.5°	4.6
65°	3.5



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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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Scaled Data Report





67.5°		2.3
70°		1.2

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(END OF REPORT)