

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



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: P744923

Luminaire Tested: LD4D25D010-EU4DR2015309035-4LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P744923  
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-EU4DR2015309035-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2130.6 lumens  
Efficiency: N/A  
Efficacy: 84.9 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



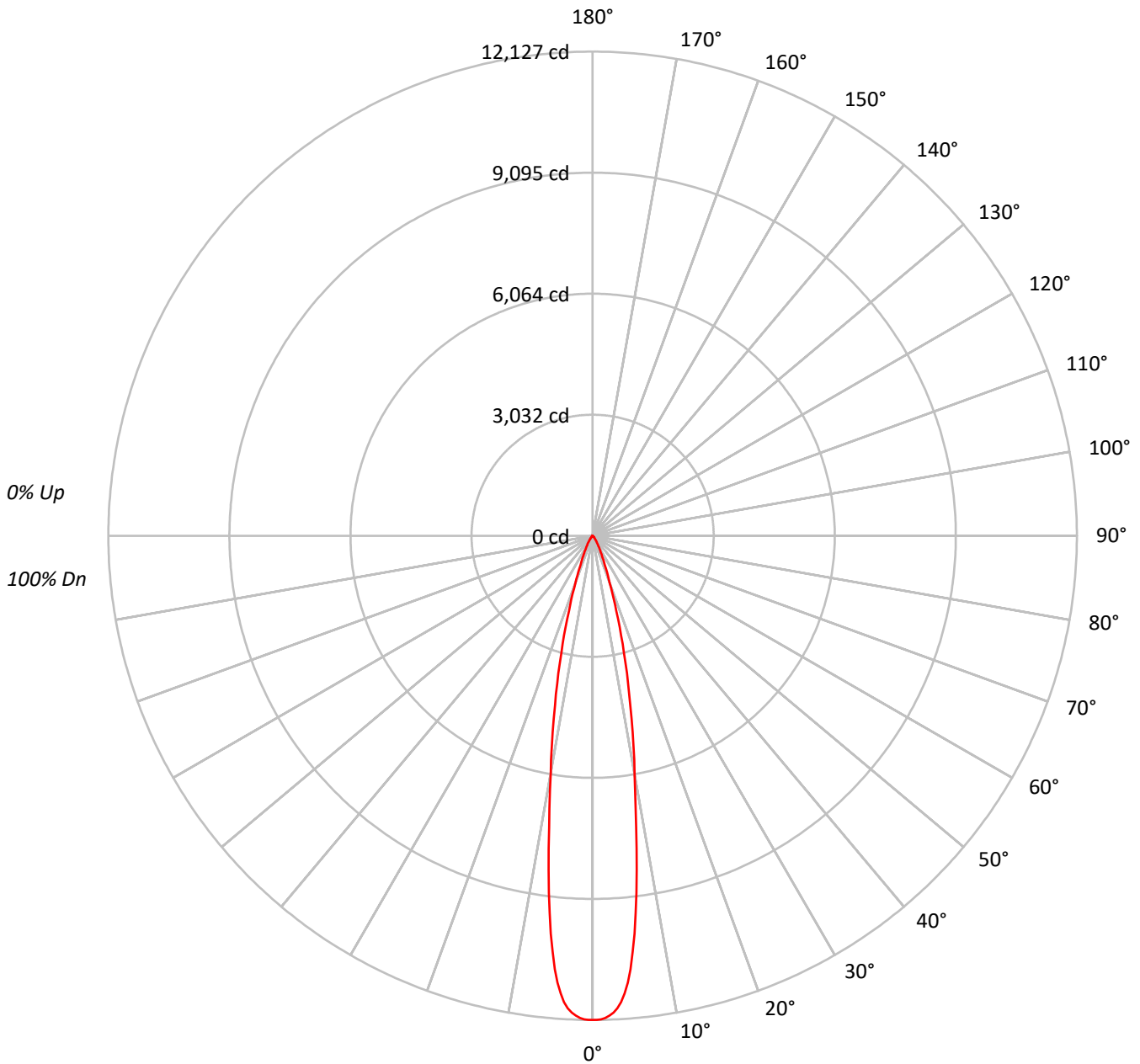
Downlight



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

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

	0°
0°	1324994
5°	1195393
10°	670914
15°	341042
20°	144388
25°	66655
30°	35288
35°	19007
40°	10170
45°	6011
50°	3485
55°	1848
60°	1180
65°	827
70°	351
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6011 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	863.4	40.5
10°-20°	850.2	39.9
20°-30°	277.8	13.0
30°-40°	94.6	4.4
40°-50°	31.8	1.5
50°-60°	9.6	0.4
60°-70°	3.2	0.1
70°-80°	0.1	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°	1991.3	93.5
0°-40°	2085.9	97.9
0°-60°	2127.3	99.8
0°-90°	2130.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2130.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12127	
5°	10899	863
15°	3015	850
25°	553	278
35°	142	95
45°	39	32
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12126.9
0.5°	12126.9
1°	12111.7
1.5°	12081.5
2°	12026.4
2.5°	11953.0
3°	11849.3
3.5°	11704.6
4°	11489.7
4.5°	11228.4
5°	10899.1
5.5°	10466.0
6°	10022.2
6.5°	9513.6
7°	9015.8
7.5°	8432.6
8°	7912.2
8.5°	7388.4
9°	6904.6
9.5°	6460.8
10°	6047.2
12.5°	4342.1
15°	3015.0
17.5°	1969.7
20°	1241.8
22.5°	804.5
25°	552.9
27.5°	388.8
30°	279.7
32.5°	200.9
35°	142.5
37.5°	99.3
40°	71.3
42.5°	51.8
45°	38.9
47.5°	30.2
50°	20.5
52.5°	13.0
55°	9.7
57.5°	7.6
60°	5.4
62.5°	4.3
65°	3.2



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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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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Scaled Data Report





— 0°-180°

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Scaled Data Report





67.5°		2.2
70°		1.1

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(END OF REPORT)