

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: P739979

Luminaire Tested: LD4D05D010-EU4DR200210IC9050-4LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P739979  
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: LD4D05D010-EU4DR200210IC9050-4LBCSSQMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 674.7 lumens  
Efficiency: N/A  
Efficacy: 90.0 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): 7.5  
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

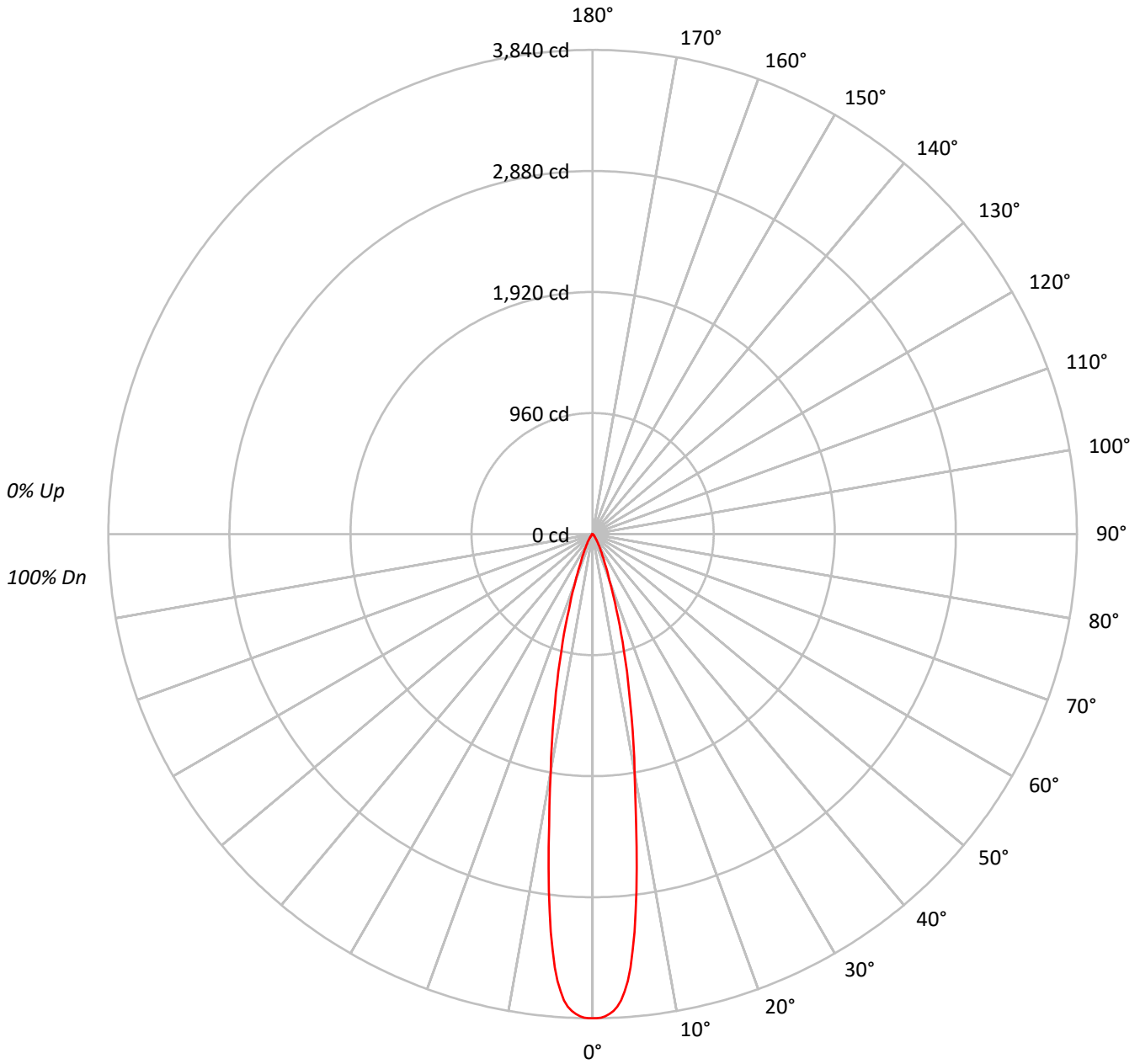


Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94			94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91			91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88			88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85			85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83			83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81			81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79			79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77			77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75			75

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

	0°
0°	419550
5°	378510
10°	212440
15°	107991
20°	45718
25°	21109
30°	11178
35°	6016
40°	3223
45°	1901
50°	1105
55°	591
60°	371
65°	259
70°	96
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1901 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.4	40.5
10°-20°	269.2	39.9
20°-30°	87.9	13.0
30°-40°	29.9	4.4
40°-50°	10.1	1.5
50°-60°	3.0	0.5
60°-70°	1.0	0.1
70°-80°	0.0	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°	630.5	93.5
0°-40°	660.5	97.9
0°-60°	673.6	99.8
0°-90°	674.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3840	
5°	3451	273
15°	955	269
25°	175	88
35°	45	30
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3839.9
0.5°	3839.9
1°	3835.1
1.5°	3825.5
2°	3808.1
2.5°	3784.8
3°	3752.0
3.5°	3706.2
4°	3638.1
4.5°	3555.4
5°	3451.1
5.5°	3314.0
6°	3173.5
6.5°	3012.4
7°	2854.8
7.5°	2670.1
8°	2505.3
8.5°	2339.5
9°	2186.3
9.5°	2045.8
10°	1914.8
12.5°	1374.9
15°	954.7
17.5°	623.7
20°	393.2
22.5°	254.7
25°	175.1
27.5°	123.1
30°	88.6
32.5°	63.6
35°	45.1
37.5°	31.5
40°	22.6
42.5°	16.4
45°	12.3
47.5°	9.6
50°	6.5
52.5°	4.1
55°	3.1
57.5°	2.4
60°	1.7
62.5°	1.4
65°	1.0



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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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Scaled Data Report





— 0°-180°

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Scaled Data Report





67.5°		0.7
70°		0.3

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Scaled Data Report



(END OF REPORT)