

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: P745875

Luminaire Tested: LD4D30D010-EU4DR2015309050-4LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745875  
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: LD4D30D010-EU4DR2015309050-4LBCSSQMMS  
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: 2843.6 lumens  
Efficiency: N/A  
Efficacy: 98.1 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): 29  
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

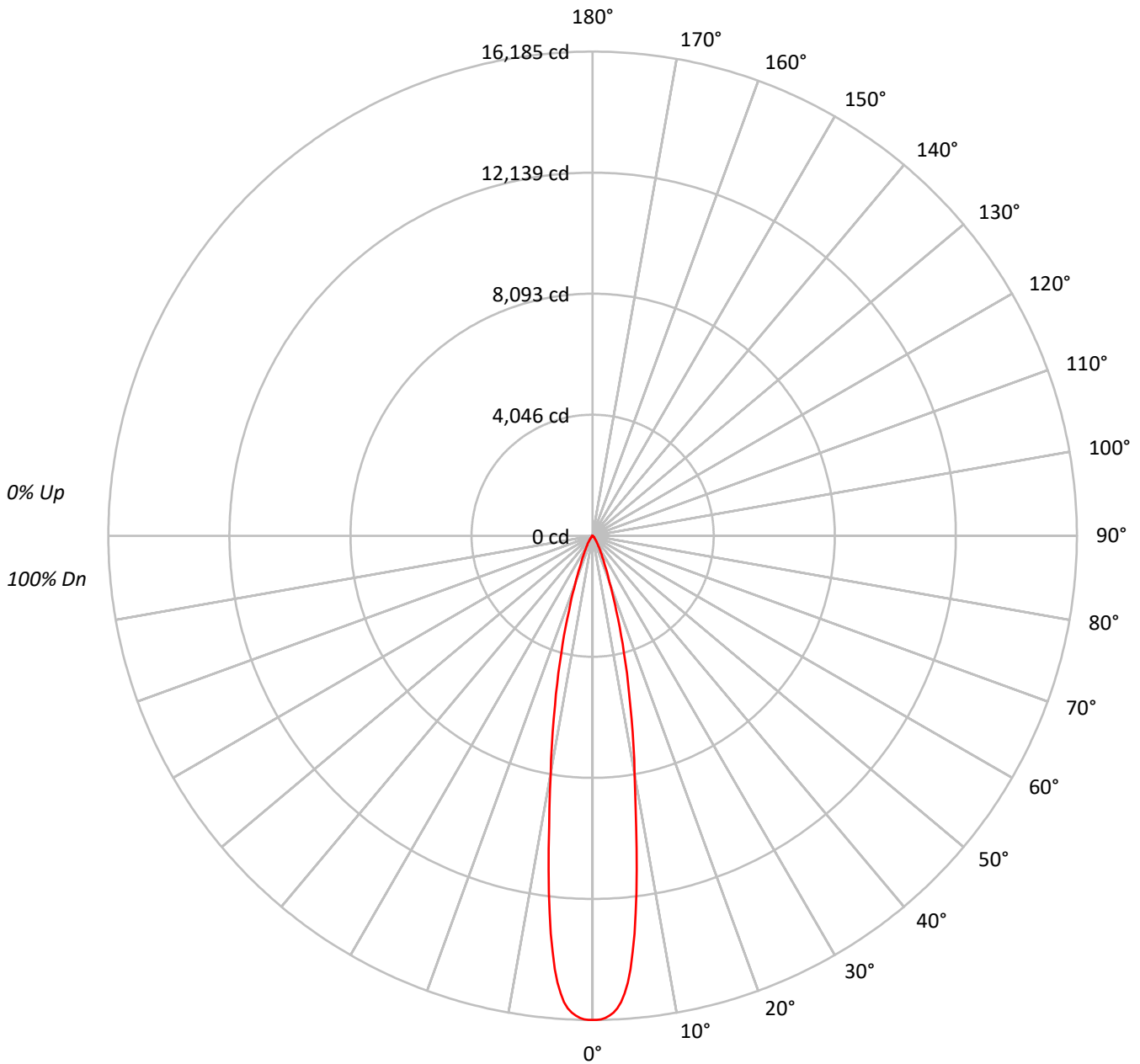


Downlight



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

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

	0°
0°	1768363
5°	1595389
10°	895425
15°	455164
20°	192711
25°	88958
30°	47097
35°	25369
40°	13564
45°	8019
50°	4657
55°	2476
60°	1573
65°	1112
70°	447
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8019 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1152.3	40.5
10°-20°	1134.7	39.9
20°-30°	370.7	13.0
30°-40°	126.2	4.4
40°-50°	42.5	1.5
50°-60°	12.8	0.4
60°-70°	4.3	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°	2657.7	93.5
0°-40°	2783.9	97.9
0°-60°	2839.1	99.8
0°-90°	2843.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2843.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16185	
5°	14546	###
15°	4024	1135
25°	738	371
35°	190	126
45°	52	42
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16184.8
0.5°	16184.8
1°	16164.6
1.5°	16124.3
2°	16050.8
2.5°	15952.8
3°	15814.4
3.5°	15621.3
4°	15334.5
4.5°	14985.7
5°	14546.1
5.5°	13968.2
6°	13375.9
6.5°	12697.1
7°	12032.7
7.5°	11254.4
8°	10559.7
8.5°	9860.8
9°	9215.1
9.5°	8622.8
10°	8070.8
12.5°	5795.1
15°	4023.9
17.5°	2628.8
20°	1657.4
22.5°	1073.7
25°	737.9
27.5°	518.8
30°	373.3
32.5°	268.1
35°	190.2
37.5°	132.6
40°	95.1
42.5°	69.2
45°	51.9
47.5°	40.4
50°	27.4
52.5°	17.3
55°	13.0
57.5°	10.1
60°	7.2
62.5°	5.8
65°	4.3



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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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— 0°-180°

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67.5°		2.9
70°		1.4

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(END OF REPORT)