

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: P746642

Luminaire Tested: LD4D30D010-EU4DR7020359040-4LBCSSQMMS

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR7020359040-4LBCSSQMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2884.6 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
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



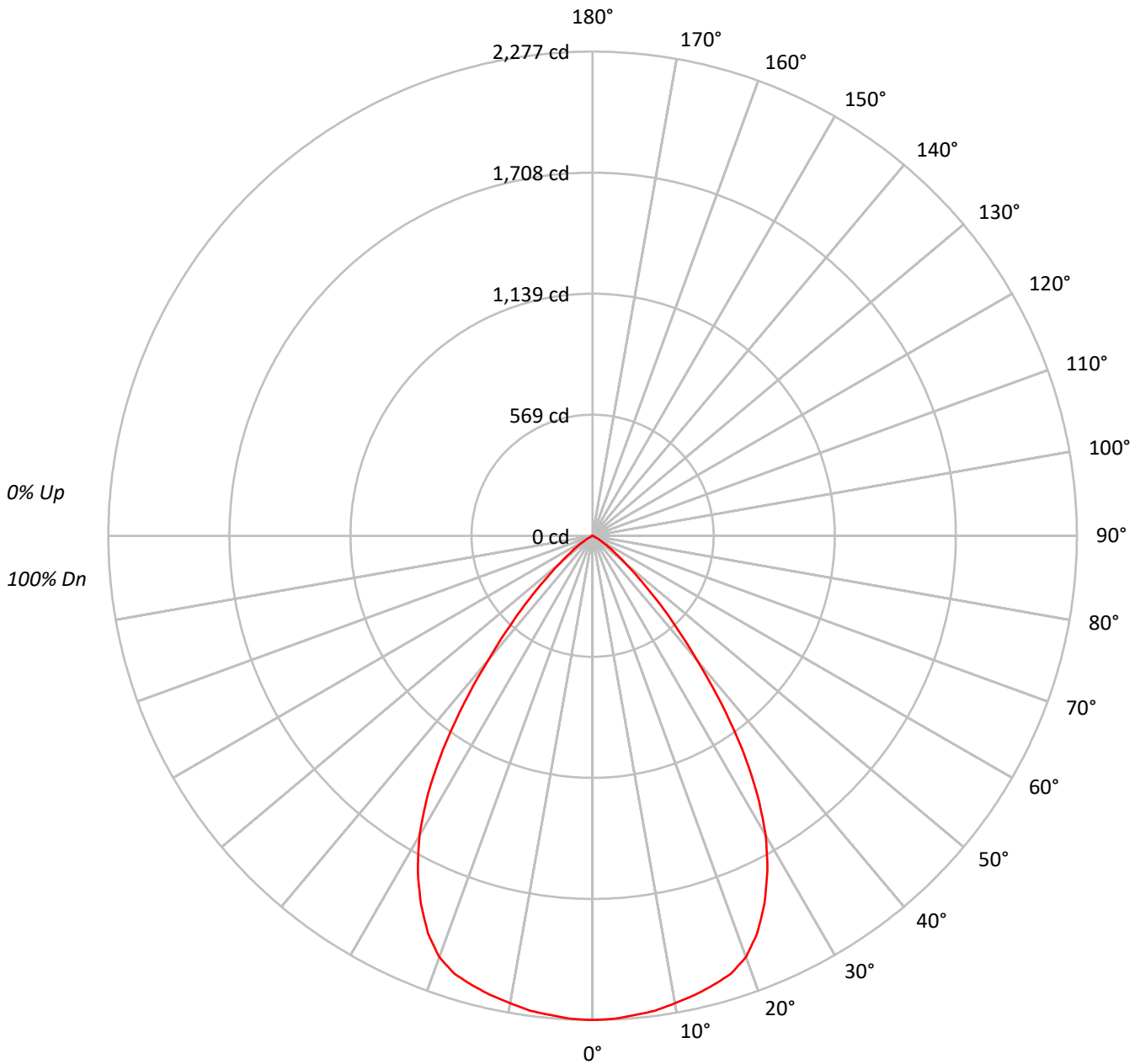
Downlight



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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	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	99	97	97	95	94	93											
	1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	92	90	94	91	88	85											
	2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	82	79	85	82	79	78											
	3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	75	74	79	76	73	71											
	4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71	71	68	67	74	70	67	65											
	5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65	65	62	62	69	65	62	60											
	6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60	60	57	57	65	61	57	56											
	7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56	56	53	53	61	56	53	51											
	8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	49	49	57	53	49	48											
	9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48	48	46	46	54	49	46	44											
	10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	42	42	50	45	42	40											

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

	0°
0°	248765
5°	248147
10°	247610
15°	247530
20°	245115
25°	230250
30°	205268
35°	163661
40°	108670
45°	64975
50°	33690
55°	17697
60°	6250
65°	103
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 64975 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.2	7.5
10°-20°	617.1	21.4
20°-30°	870.5	30.2
30°-40°	751.5	26.1
40°-50°	336.5	11.7
50°-60°	88.1	3.1
60°-70°	5.7	0.2
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°	1702.7	59.0
0°-40°	2454.2	85.1
0°-60°	2878.9	99.8
0°-90°	2884.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2277	
5°	2262	215
15°	2188	617
25°	1910	871
35°	1227	751
45°	420	337
55°	93	88
65°	0	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2276.8
2.5°	2274.3
5°	2262.5
7.5°	2252.6
10°	2231.8
12.5°	2212.9
15°	2188.3
17.5°	2160.1
20°	2108.1
22.5°	2022.5
25°	1909.9
27.5°	1779.4
30°	1627.0
32.5°	1440.7
35°	1227.0
37.5°	991.2
40°	761.9
42.5°	578.9
45°	420.5
47.5°	289.9
50°	198.2
52.5°	136.8
55°	92.9
57.5°	56.1
60°	28.6
62.5°	9.0
65°	0.4
67.5°	0.0
70°	0.0
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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(END OF REPORT)