

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: P752635

Luminaire Tested: LD4D70BD010-EU4DR5570959035-4LBCSSQMMS

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D70BD010-EU4DR5570959035-4LBCSSQMMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

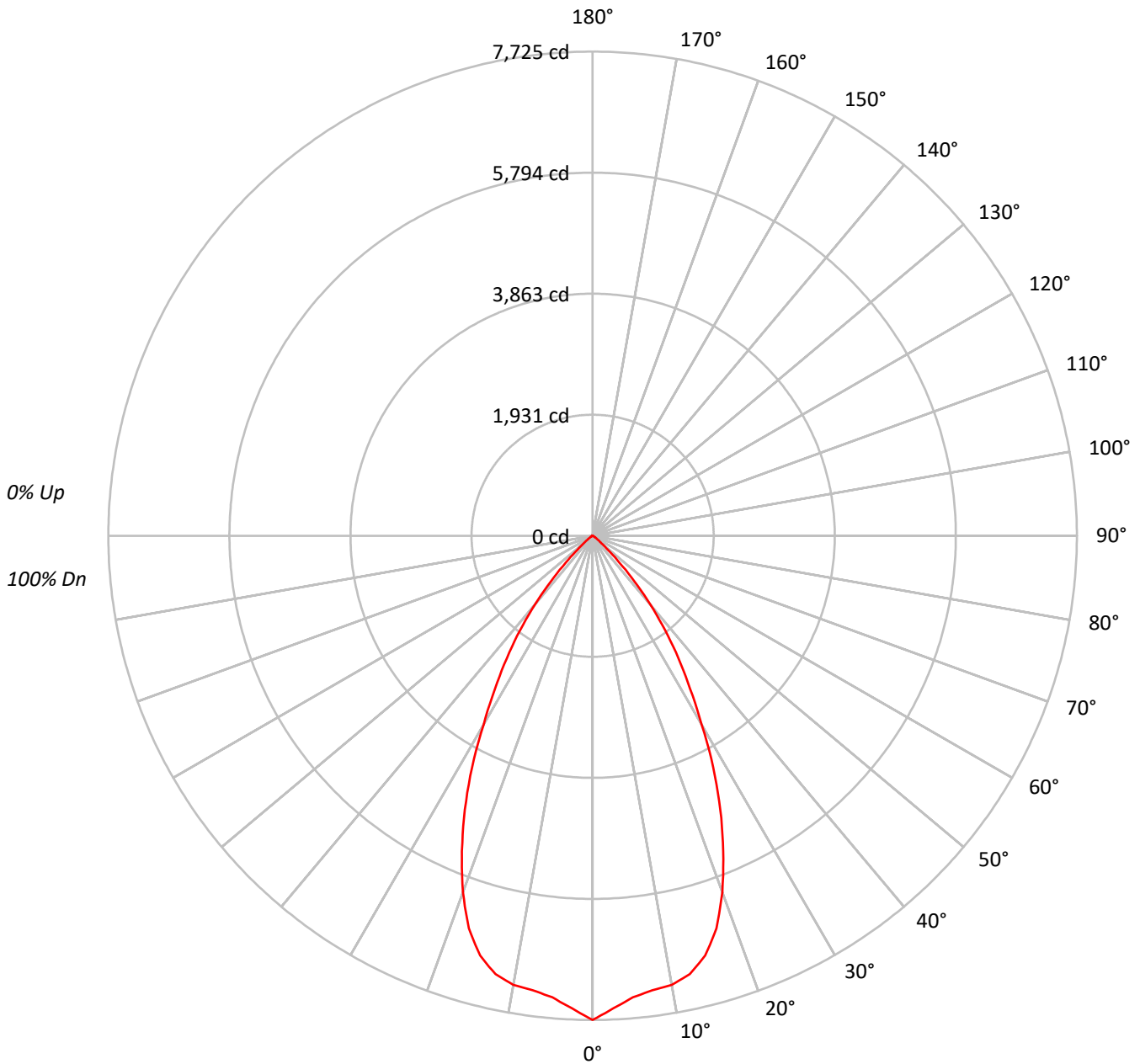
Lumens per Lamp: N/A  
Luminaire Lumens: 6888.9 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50

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

	0°
0°	844017
5°	810499
10°	807445
15°	784249
20°	703183
25°	581152
30°	438986
35°	318305
40°	203704
45°	93035
50°	30426
55°	13125
60°	5638
65°	750
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 93035 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	703.2	10.2
10°-20°	1919.1	27.9
20°-30°	2187.0	31.7
30°-40°	1488.8	21.6
40°-50°	513.0	7.4
50°-60°	70.9	1.0
60°-70°	6.9	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°	4809.3	69.8
0°-40°	6298.1	91.4
0°-60°	6882.0	99.9
0°-90°	6888.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6888.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7725	
5°	7390	703
15°	6933	1919
25°	4821	2187
35°	2386	1489
45°	602	513
55°	69	71
65°	3	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7724.8
2.5°	7547.7
5°	7389.8
7.5°	7312.2
10°	7277.8
12.5°	7162.9
15°	6933.2
17.5°	6568.5
20°	6047.7
22.5°	5446.6
25°	4820.6
27.5°	4168.7
30°	3479.5
32.5°	2895.6
35°	2386.4
37.5°	1902.0
40°	1428.2
42.5°	989.8
45°	602.1
47.5°	324.5
50°	179.0
52.5°	106.3
55°	68.9
57.5°	44.0
60°	25.8
62.5°	11.5
65°	2.9
67.5°	1.0
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)