

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: P755001

Luminaire Tested: LD4D85BD010-EU4DR5570959050-4LBCSSQMMS

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755001  
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: LD4D85BD010-EU4DR5570959050-4LBCSSQMMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

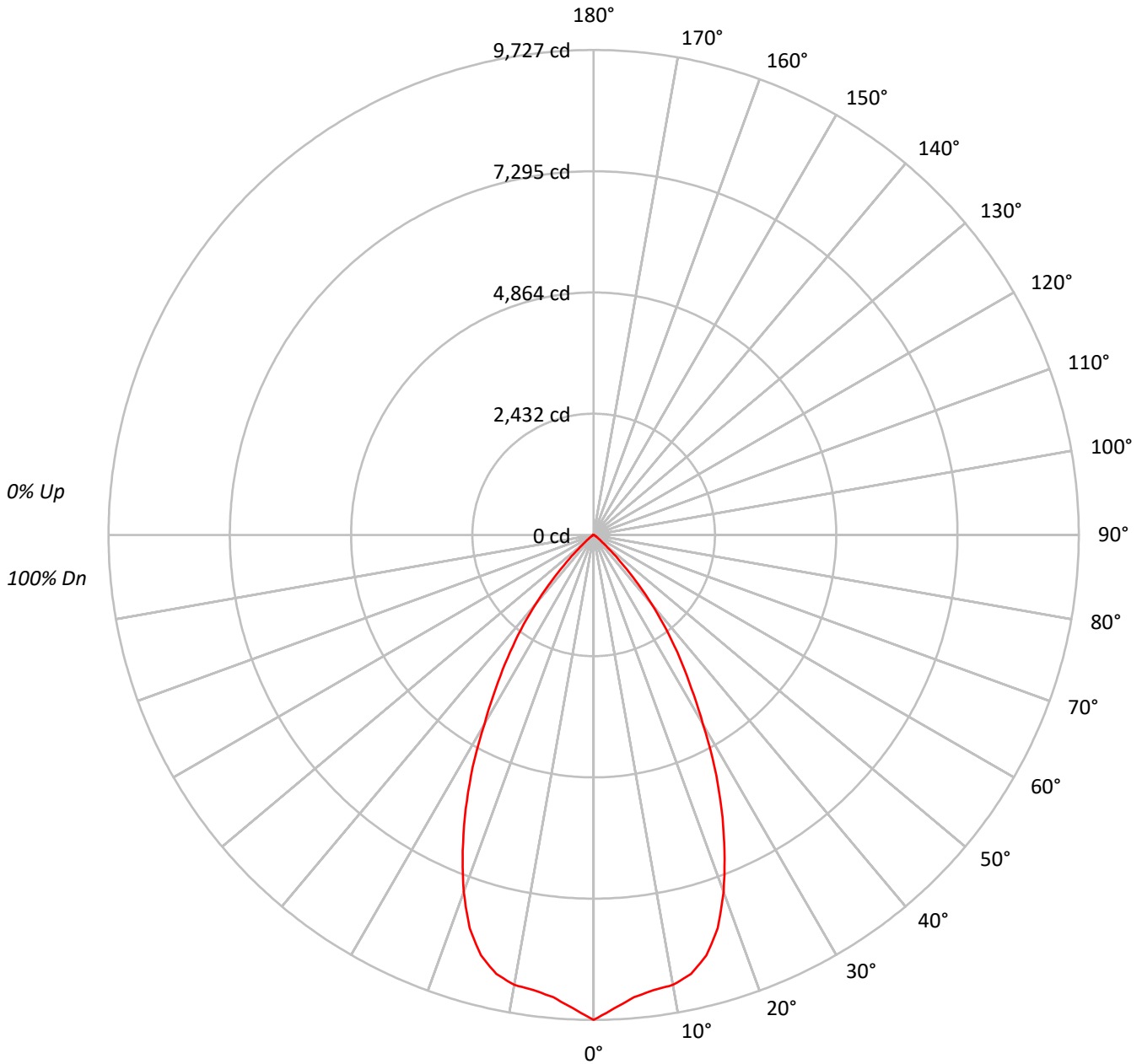
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8674.7 lumens  
Efficiency: N/A  
Efficacy: 98.9 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): 87.7  
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	50	30	10
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°	1062812
5°	1020599
10°	1016756
15°	987540
20°	885476
25°	731798
30°	552785
35°	400815
40°	256505
45°	117156
50°	38313
55°	16535
60°	7102
65°	931
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 117156 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	885.5	10.2
10°-20°	2416.6	27.9
20°-30°	2753.9	31.7
30°-40°	1874.8	21.6
40°-50°	646.0	7.4
50°-60°	89.3	1.0
60°-70°	8.6	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°	6056.0	69.8
0°-40°	7930.7	91.4
0°-60°	8666.0	99.9
0°-90°	8674.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8674.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9727	
5°	9305	885
15°	8730	2417
25°	6070	2754
35°	3005	1875
45°	758	646
55°	87	89
65°	4	9
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9727.3
2.5°	9504.3
5°	9305.4
7.5°	9207.8
10°	9164.4
12.5°	9019.7
15°	8730.4
17.5°	8271.2
20°	7615.5
22.5°	6858.5
25°	6070.2
27.5°	5249.4
30°	4381.5
32.5°	3646.2
35°	3005.0
37.5°	2395.1
40°	1798.4
42.5°	1246.3
45°	758.2
47.5°	408.6
50°	225.4
52.5°	133.8
55°	86.8
57.5°	55.4
60°	32.5
62.5°	14.5
65°	3.6
67.5°	1.2
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)