

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: P750464

Luminaire Tested: LD4D55D010-EU4DR6555659040-4LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D55D010-EU4DR6555659040-4LBCSSQMMS  
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

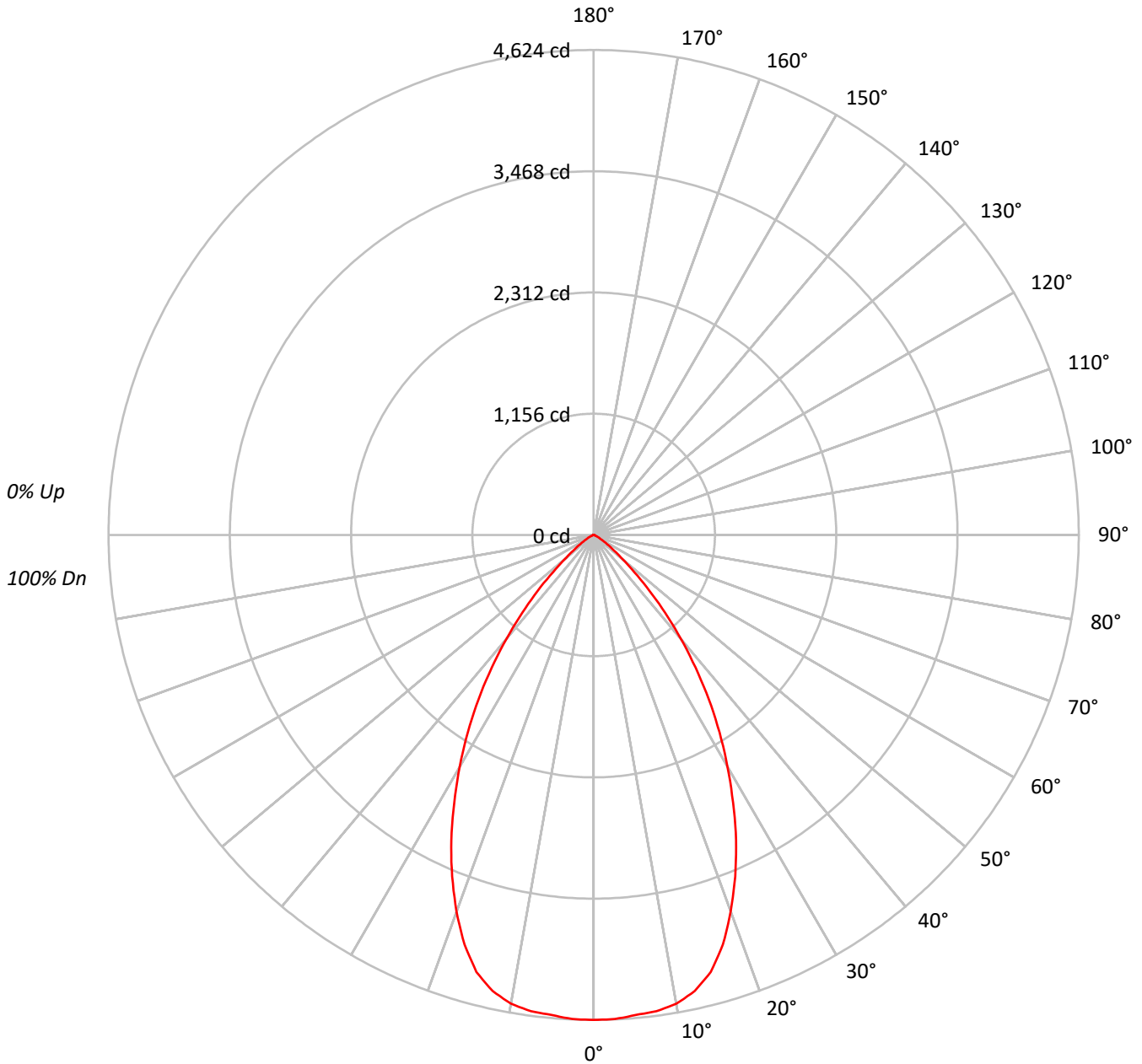
Lumens per Lamp: N/A  
Luminaire Lumens: 5093.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.2  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

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

	0°
0°	270071
5°	269391
10°	269161
15°	260866
20°	237483
25°	206954
30°	172125
35°	136386
40°	98435
45°	62186
50°	32419
55°	17229
60°	9053
65°	4975
70°	2083
75°	2302
80°	1614
85°	1340

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 62186 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	437.3	8.6
10°-20°	1197.5	23.5
20°-30°	1463.8	28.7
30°-40°	1187.7	23.3
40°-50°	591.8	11.6
50°-60°	165.1	3.2
60°-70°	37.5	0.7
70°-80°	9.8	0.2
80°-90°	2.5	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°	3098.6	60.8
0°-40°	4286.2	84.2
0°-60°	5043.2	99.0
0°-90°	5093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4624	
5°	4595	437
15°	4314	1198
25°	3212	1464
35°	1913	1188
45°	753	592
55°	169	165
65°	36	38
75°	10	10
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4624.2
2.5°	4620.8
5°	4595.0
7.5°	4580.1
10°	4538.6
12.5°	4454.3
15°	4314.4
17.5°	4095.6
20°	3821.0
22.5°	3524.7
25°	3211.5
27.5°	2876.5
30°	2552.3
32.5°	2232.3
35°	1912.9
37.5°	1594.2
40°	1291.1
42.5°	1007.1
45°	752.9
47.5°	524.6
50°	356.8
52.5°	246.0
55°	169.2
57.5°	114.2
60°	77.5
62.5°	53.7
65°	36.0
67.5°	18.3
70°	12.2
72.5°	11.6
75°	10.2
77.5°	6.8
80°	4.8
82.5°	3.4
85°	2.0
87.5°	1.4
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)