

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: P750412

Luminaire Tested: LD4D55D010-EU4DR6555659024-4LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P750412
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-EU4DR6555659024-4LBCSSQMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4125.8 lumens
Efficiency: N/A
Efficacy: 70.9 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

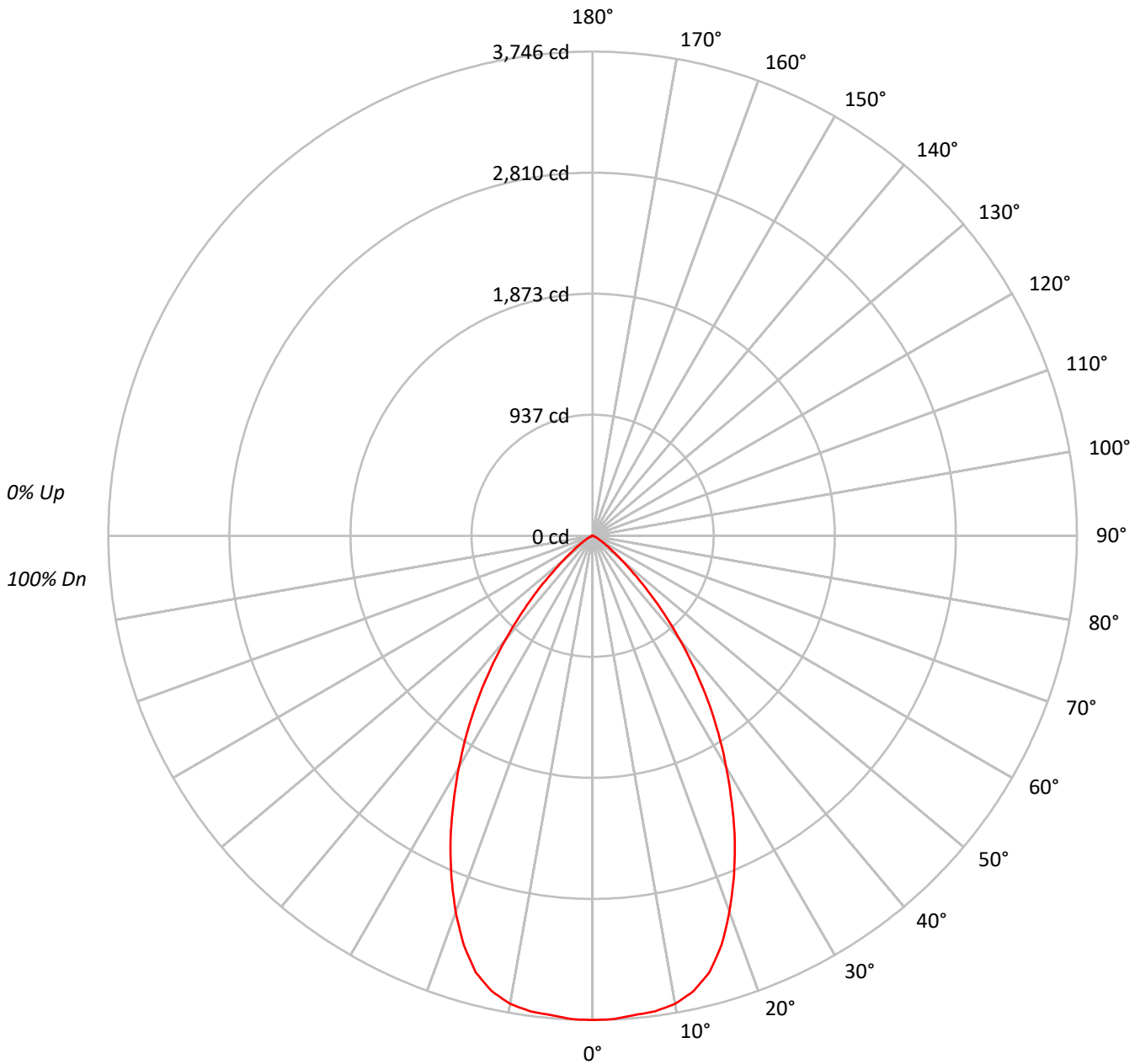
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P750412

CATALOG NUMBER: LD4D55D010-EU4DR6555659024-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P750412

CATALOG NUMBER: LD4D55D010-EU4DR6555659024-4LBCSSQMMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	218781
5°	218227
10°	218046
15°	211322
20°	192386
25°	167651
30°	139437
35°	110483
40°	79740
45°	50375
50°	26259
55°	13960
60°	7336
65°	4035
70°	1691
75°	1873
80°	1312
85°	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50375 cd/sqm



TEST NUMBER: P750412

CATALOG NUMBER: LD4D55D010-EU4DR6555659024-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.3	8.6
10°-20°	970.1	23.5
20°-30°	1185.8	28.7
30°-40°	962.1	23.3
40°-50°	479.4	11.6
50°-60°	133.7	3.2
60°-70°	30.4	0.7
70°-80°	7.9	0.2
80°-90°	2.1	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°	2510.1	60.8
0°-40°	3472.2	84.2
0°-60°	4085.4	99.0
0°-90°	4125.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4125.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3746	
5°	3722	354
15°	3495	970
25°	2602	1186
35°	1550	962
45°	610	479
55°	137	134
65°	29	30
75°	8	8
85°	2	2
90°	0	



TEST NUMBER: P750412

CATALOG NUMBER: LD4D55D010-EU4DR6555659024-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3746.0
2.5°	3743.3
5°	3722.3
7.5°	3710.2
10°	3676.7
12.5°	3608.4
15°	3495.0
17.5°	3317.7
20°	3095.4
22.5°	2855.3
25°	2601.6
27.5°	2330.2
30°	2067.6
32.5°	1808.3
35°	1549.6
37.5°	1291.4
40°	1045.9
42.5°	815.8
45°	609.9
47.5°	425.0
50°	289.0
52.5°	199.3
55°	137.1
57.5°	92.5
60°	62.8
62.5°	43.5
65°	29.2
67.5°	14.9
70°	9.9
72.5°	9.4
75°	8.3
77.5°	5.5
80°	3.9
82.5°	2.8
85°	1.7
87.5°	1.1
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)