

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



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: P749931

Luminaire Tested: LD4D55D010-EU4DR3055659050-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P749931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR3055659050-4LBCSSQMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5198.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

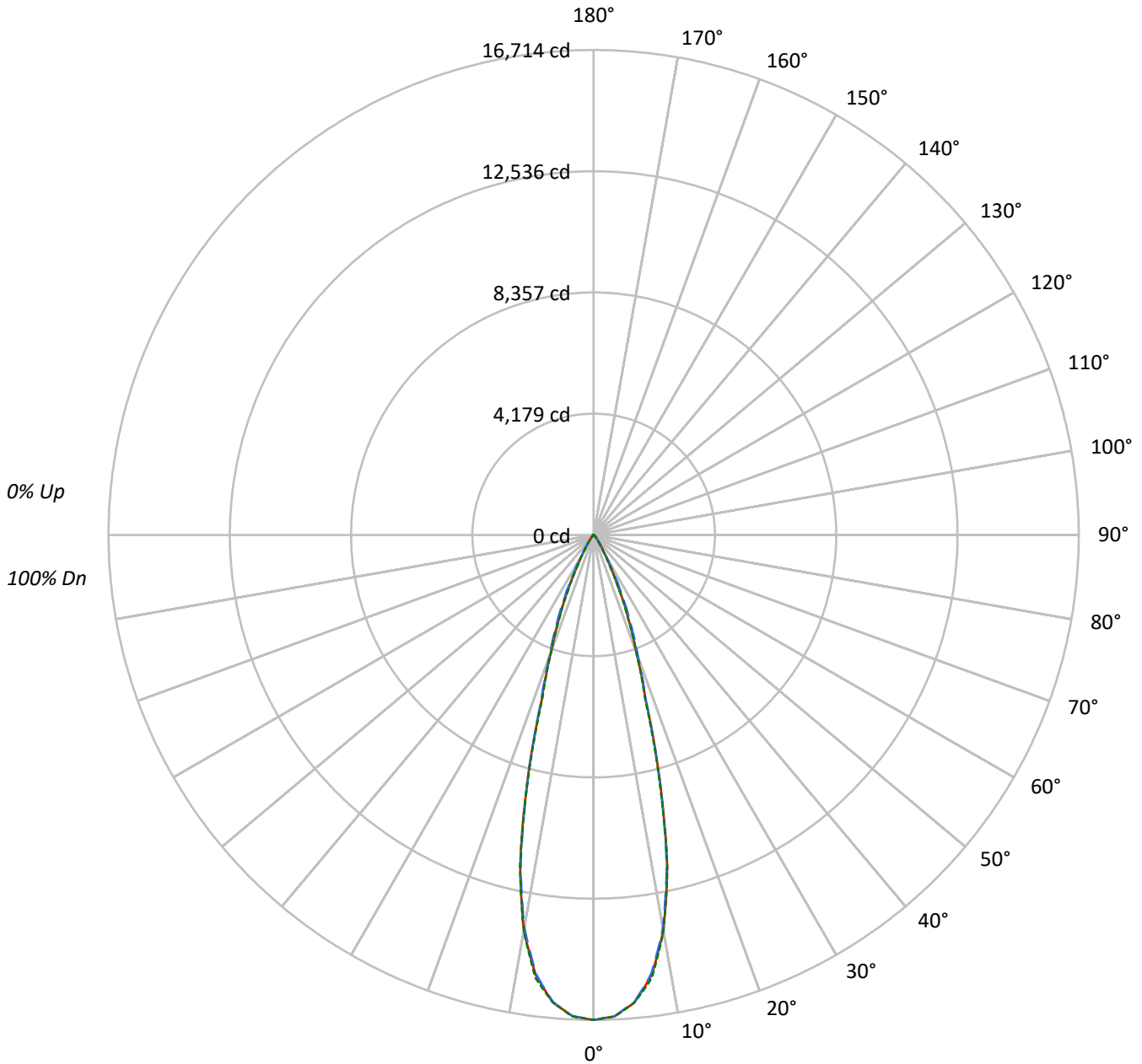
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P749931

CATALOG NUMBER: LD4D55D010-EU4DR3055659050-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P749931

CATALOG NUMBER: LD4D55D010-EU4DR3055659050-4LBCSSQMMS

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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1279362	1279362	1279362
5°	1242634	1241182	1242696
10°	1076309	1068716	1076053
15°	702241	698469	694958
20°	349193	362291	348720
25°	175897	198354	172291
30°	70425	76736	61357
35°	32667	31284	26220
40°	14099	15658	13279
45°	9948	12351	10035
50°	3418	8991	3620
55°	1975	3723	2082
60°	1378	1638	1378
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12351 cd/sqm



TEST NUMBER: P749931

CATALOG NUMBER: LD4D55D010-EU4DR3055659050-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1469.8	28.3
10°-20°	2367.1	45.5
20°-30°	1022.9	19.7
30°-40°	233.1	4.5
40°-50°	80.1	1.5
50°-60°	19.6	0.4
60°-70°	5.1	0.1
70°-80°	0.5	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°	4859.7	93.5
0°-40°	5092.8	98.0
0°-60°	5192.4	99.9
0°-90°	5198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16714	16714	16714	16714	16714	
5°	16173	16157	16154	16187	16173	1471
15°	8862	8755	8814	8786	8770	2373
25°	2083	2162	2349	2106	2040	997
35°	350	357	335	332	281	237
45°	92	114	114	114	93	65
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P749931

CATALOG NUMBER: LD4D55D010-EU4DR3055659050-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16714.2	16714.2	16714.2	16714.2	16714.2
2.5°	16603.4	16591.9	16598.5	16606.7	16610.0
5°	16172.6	16157.0	16153.7	16187.4	16173.4
7.5°	15303.6	15281.4	15247.8	15324.1	15395.5
10°	13847.8	13823.2	13750.1	13786.2	13844.5
12.5°	11698.6	11619.0	11617.4	11732.3	11716.7
15°	8861.8	8755.1	8814.2	8785.5	8769.9
17.5°	5959.3	5918.2	5997.0	5973.2	5870.6
20°	4286.9	4297.5	4447.7	4372.2	4281.1
22.5°	3128.2	3166.7	3344.8	3150.3	3078.9
25°	2082.7	2161.5	2348.6	2106.5	2040.0
27.5°	1281.0	1317.1	1506.6	1264.6	1228.5
30°	796.8	778.8	868.2	745.1	694.2
32.5°	522.7	499.8	528.5	474.3	433.3
35°	349.6	357.0	334.8	332.3	280.6
37.5°	218.3	251.1	221.6	236.3	180.5
40°	141.1	182.2	156.7	173.1	132.9
42.5°	115.7	140.3	128.8	137.0	118.2
45°	91.9	114.1	114.1	114.1	92.7
47.5°	50.9	76.3	97.7	78.0	54.2
50°	28.7	38.6	75.5	40.2	30.4
52.5°	19.7	22.2	51.7	23.0	20.5
55°	14.8	15.6	27.9	16.4	15.6
57.5°	11.5	12.3	14.8	12.3	11.5
60°	9.0	9.0	10.7	9.8	9.0
62.5°	6.6	6.6	7.4	6.6	6.6
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)