

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: P752206

Luminaire Tested: LD4D70BD010-EU4DR3070959024-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752206
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: LD4D70BD010-EU4DR3070959024-4LBCSSQMMMS
Description: 4 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

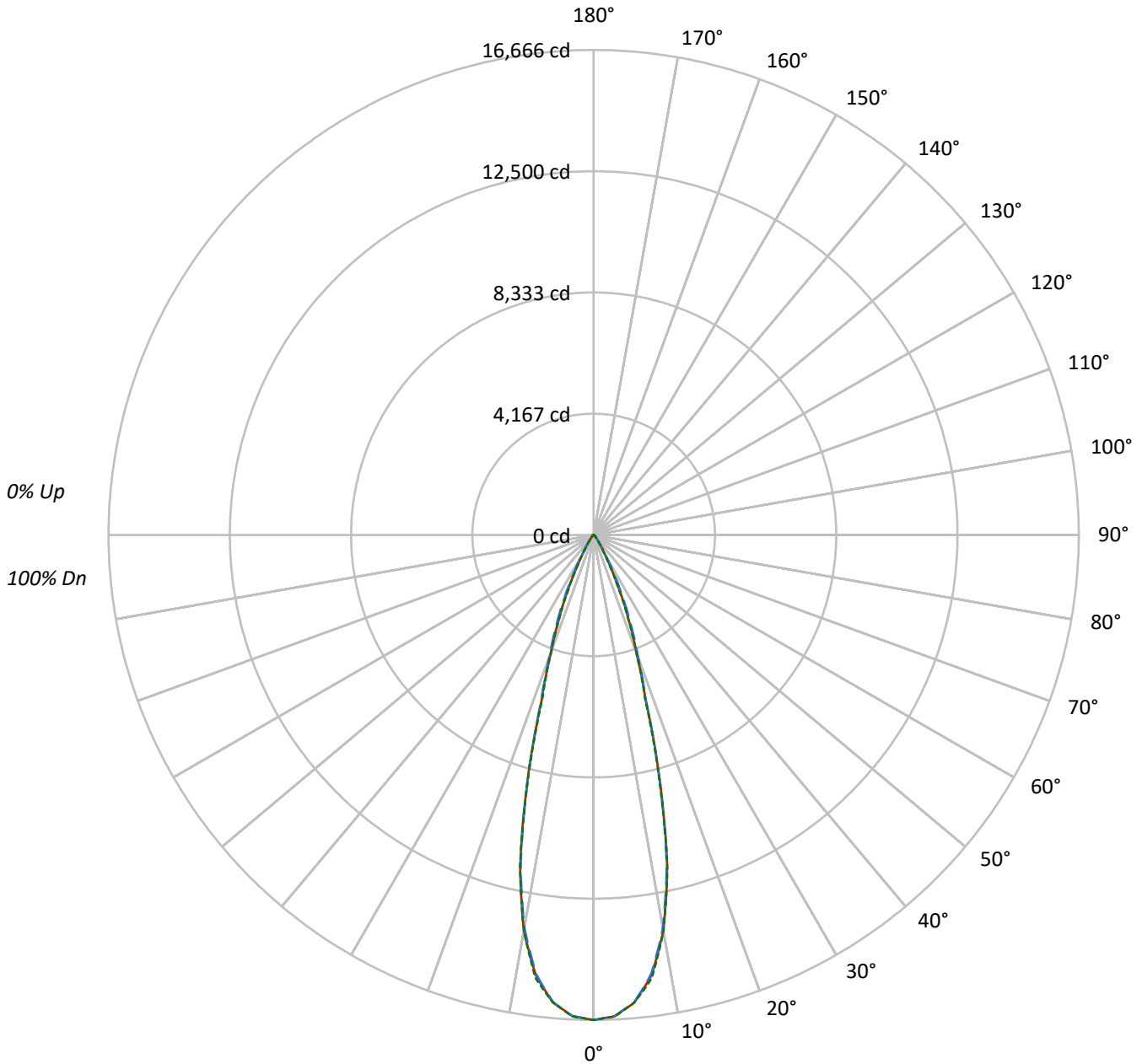
Lumens per Lamp: N/A
Luminaire Lumens: 5183.1 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P752206
CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P752206

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMMS

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°	1275680	1275680	1275680
5°	1239061	1237617	1239123
10°	1073216	1065645	1072959
15°	700220	696456	692961
20°	348183	361248	347718
25°	175390	197780	171801
30°	70222	76515	61180
35°	32574	31191	26145
40°	14059	15618	13249
45°	9916	12308	10013
50°	3406	8967	3608
55°	1962	3710	2068
60°	1378	1623	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: 12308 cd/sqm



TEST NUMBER: P752206

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.5	28.3
10°-20°	2360.3	45.5
20°-30°	1019.9	19.7
30°-40°	232.5	4.5
40°-50°	79.8	1.5
50°-60°	19.5	0.4
60°-70°	5.0	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°	4845.7	93.5
0°-40°	5078.2	98.0
0°-60°	5177.5	99.9
0°-90°	5183.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5183.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16666	16666	16666	16666	16666	
5°	16126	16111	16107	16141	16127	1467
15°	8836	8730	8789	8760	8745	2366
25°	2077	2155	2342	2100	2034	994
35°	349	356	334	331	280	236
45°	92	114	114	114	92	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: P752206

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16666.1	16666.1	16666.1	16666.1	16666.1
2.5°	16555.7	16544.2	16550.8	16559.0	16562.2
5°	16126.1	16110.6	16107.3	16140.8	16126.9
7.5°	15259.6	15237.5	15203.9	15280.0	15351.2
10°	13808.0	13783.4	13710.6	13746.6	13804.7
12.5°	11665.0	11585.6	11584.0	11698.5	11683.0
15°	8836.3	8729.9	8788.8	8760.2	8744.7
17.5°	5942.1	5901.2	5979.8	5956.1	5853.8
20°	4274.5	4285.2	4434.9	4359.6	4268.8
22.5°	3119.2	3157.6	3335.2	3141.3	3070.1
25°	2076.7	2155.3	2341.8	2100.5	2034.2
27.5°	1277.3	1313.3	1502.3	1260.9	1224.9
30°	794.5	776.5	865.7	743.0	692.2
32.5°	521.2	498.3	527.0	472.9	432.0
35°	348.6	355.9	333.8	331.4	279.8
37.5°	217.7	250.4	220.9	235.7	180.0
40°	140.7	181.7	156.3	172.7	132.6
42.5°	115.4	139.9	128.5	136.6	117.8
45°	91.6	113.7	113.7	113.7	92.5
47.5°	50.7	76.1	97.4	77.7	54.0
50°	28.6	38.5	75.3	40.1	30.3
52.5°	19.6	22.1	51.5	22.9	20.5
55°	14.7	15.5	27.8	16.4	15.5
57.5°	11.5	12.3	14.7	12.3	11.5
60°	9.0	9.0	10.6	9.8	9.0
62.5°	6.5	6.5	7.4	6.5	6.5
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)