

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: P752207

Luminaire Tested: LD4D70BD010-EU4DR3070959024-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752207
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-EU4DR3070959024-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

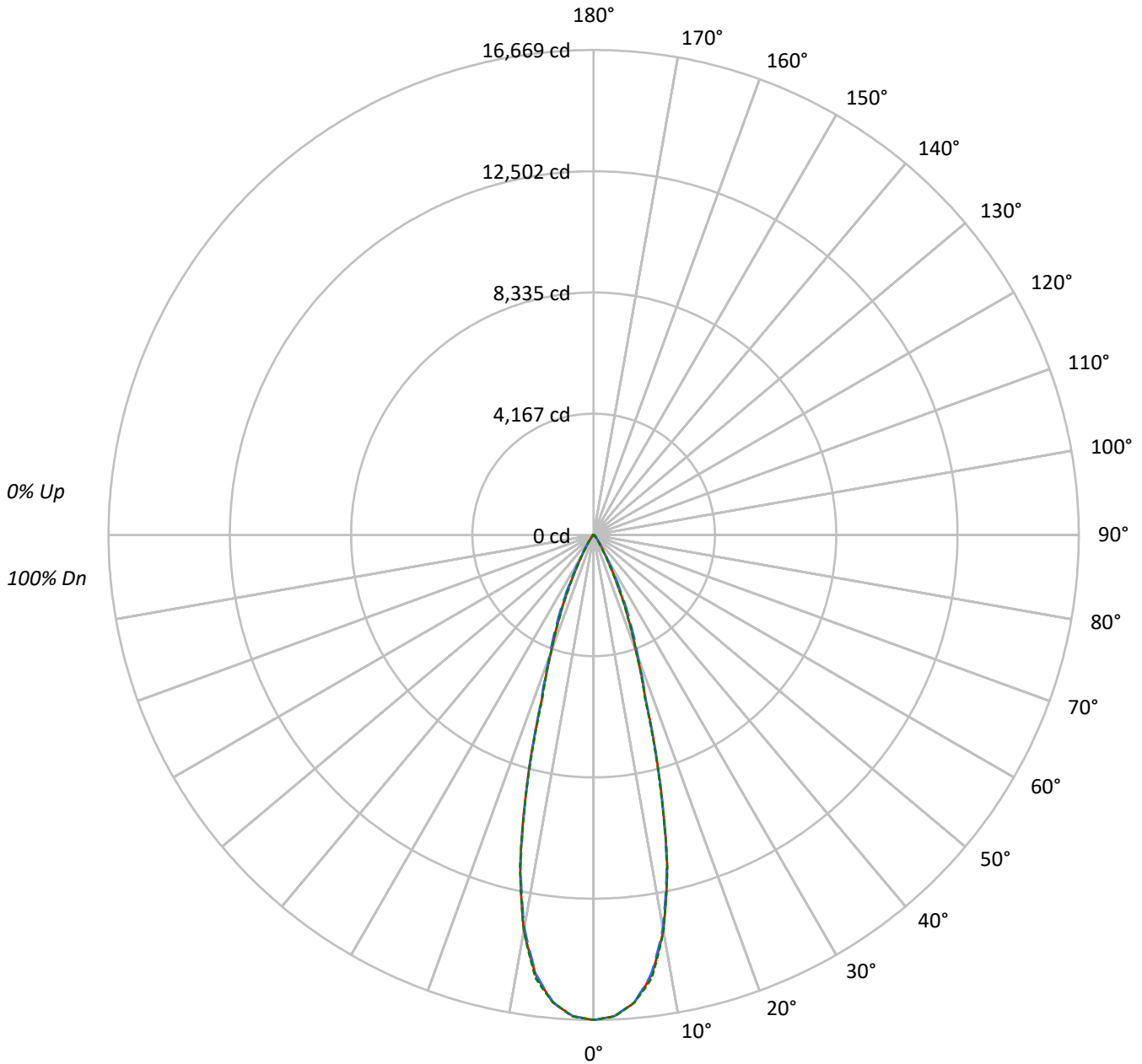
Lumens per Lamp: N/A
Luminaire Lumens: 5183.9 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (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: P752207
CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P752207

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1275887	1275887	1275887
5°	1239254	1237809	1239323
10°	1073387	1065816	1073130
15°	700331	696567	693064
20°	348240	361305	347775
25°	175416	197814	171826
30°	70230	76523	61189
35°	32574	31200	26154
40°	14069	15618	13249
45°	9926	12319	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: 12319 cd/sqm



TEST NUMBER: P752207

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.8	28.3
10°-20°	2360.6	45.5
20°-30°	1020.1	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°	4846.5	93.5
0°-40°	5079.0	98.0
0°-60°	5178.3	99.9
0°-90°	5183.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5183.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16669	16669	16669	16669	16669	
5°	16129	16113	16110	16143	16130	1467
15°	8838	8731	8790	8762	8746	2366
25°	2077	2156	2342	2101	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: P752207

CATALOG NUMBER: LD4D70BD010-EU4DR3070959024-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16668.8	16668.8	16668.8	16668.8	16668.8
2.5°	16558.3	16546.8	16553.4	16561.6	16564.8
5°	16128.6	16113.1	16109.8	16143.4	16129.5
7.5°	15262.0	15239.9	15206.3	15282.4	15353.6
10°	13810.2	13785.6	13712.8	13748.8	13806.9
12.5°	11666.8	11587.4	11585.8	11700.4	11684.8
15°	8837.7	8731.3	8790.2	8761.6	8746.0
17.5°	5943.1	5902.2	5980.7	5957.0	5854.7
20°	4275.2	4285.9	4435.6	4360.3	4269.5
22.5°	3119.7	3158.1	3335.7	3141.8	3070.6
25°	2077.0	2155.6	2342.2	2100.8	2034.5
27.5°	1277.5	1313.5	1502.5	1261.1	1225.1
30°	794.6	776.6	865.8	743.1	692.3
32.5°	521.3	498.4	527.0	473.0	432.1
35°	348.6	356.0	333.9	331.4	279.9
37.5°	217.7	250.4	221.0	235.7	180.0
40°	140.8	181.7	156.3	172.7	132.6
42.5°	115.4	139.9	128.5	136.7	117.8
45°	91.7	113.8	113.8	113.8	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	51.6	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)