

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: P746799

Luminaire Tested: LD4D35BD010-EU4DR3020359040-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746799
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: LD4D35BD010-EU4DR3020359040-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.9 lumens
Efficiency: N/A
Efficacy: 97.9 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

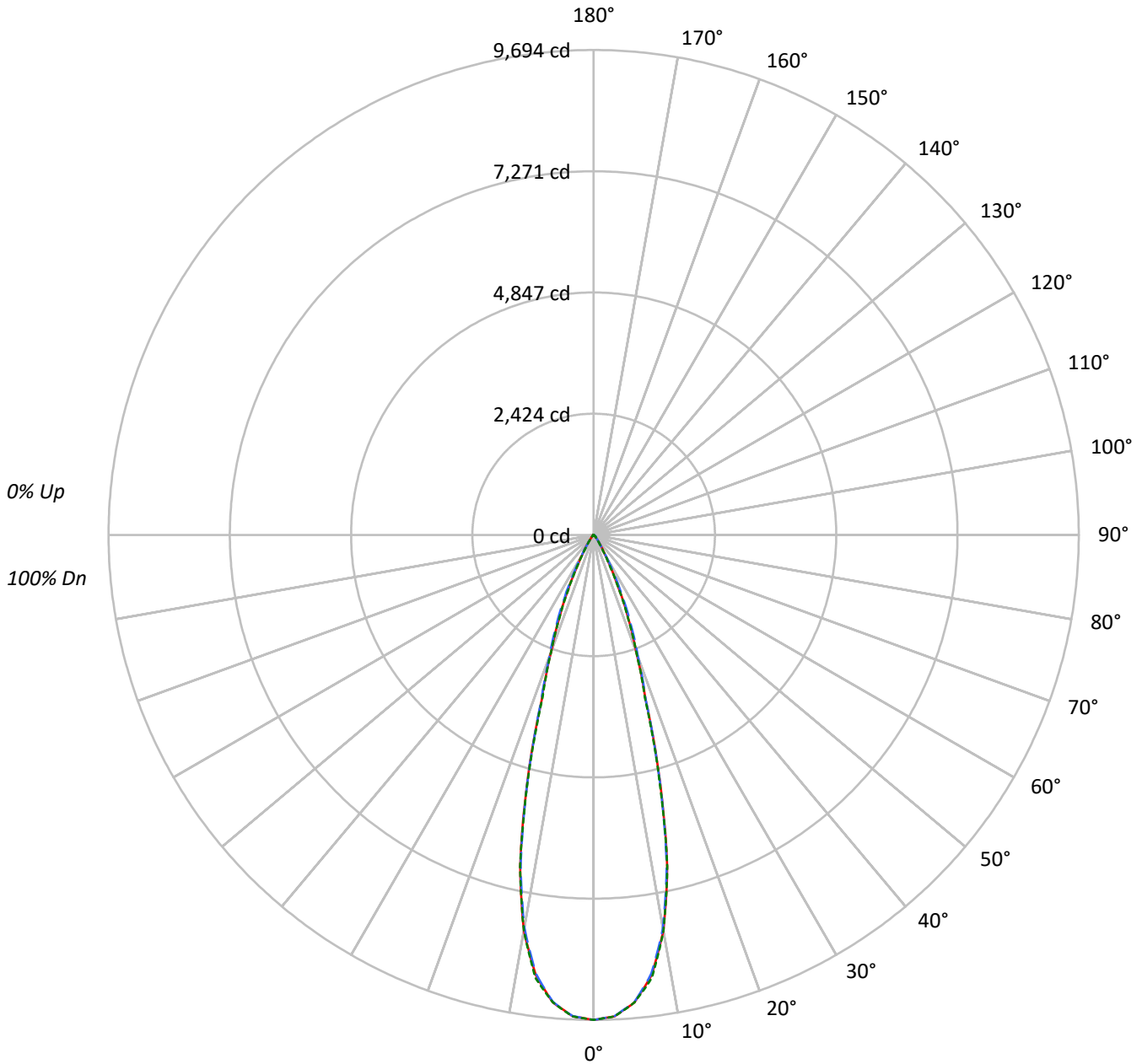
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P746799

CATALOG NUMBER: LD4D35BD010-EU4DR3020359040-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P746799

CATALOG NUMBER: LD4D35BD010-EU4DR3020359040-4LBCSSQMW

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																			
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°	742027	742027	742027
5°	720727	719890	720766
10°	624257	619858	624110
15°	407296	405109	403072
20°	202532	210131	202263
25°	102023	115046	99929
30°	40851	44511	35593
35°	18950	18146	15212
40°	8183	9083	7704
45°	5770	7166	5824
50°	1989	5216	2096
55°	1148	2162	1201
60°	796	949	796
65°	525	525	525
70°	313	224	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7166 cd/sqm



TEST NUMBER: P746799

CATALOG NUMBER: LD4D35BD010-EU4DR3020359040-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.5	28.3
10°-20°	1372.9	45.5
20°-30°	593.3	19.7
30°-40°	135.2	4.5
40°-50°	46.4	1.5
50°-60°	11.3	0.4
60°-70°	3.0	0.1
70°-80°	0.3	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°	2818.6	93.5
0°-40°	2953.9	98.0
0°-60°	3011.6	99.9
0°-90°	3014.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9694	9694	9694	9694	9694	
5°	9380	9371	9369	9389	9381	853
15°	5140	5078	5112	5096	5086	1376
25°	1208	1254	1362	1222	1183	578
35°	203	207	194	193	163	138
45°	53	66	66	66	54	38
55°	9	9	16	10	9	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P746799

CATALOG NUMBER: LD4D35BD010-EU4DR3020359040-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9694.2	9694.2	9694.2	9694.2	9694.2
2.5°	9630.0	9623.3	9627.1	9631.9	9633.8
5°	9380.1	9371.1	9369.2	9388.7	9380.6
7.5°	8876.1	8863.2	8843.7	8888.0	8929.4
10°	8031.7	8017.4	7975.1	7996.0	8029.8
12.5°	6785.2	6739.0	6738.1	6804.7	6795.7
15°	5139.8	5078.0	5112.2	5095.6	5086.5
17.5°	3456.4	3432.6	3478.3	3464.5	3405.0
20°	2486.4	2492.6	2579.7	2535.9	2483.1
22.5°	1814.3	1836.7	1940.0	1827.2	1785.8
25°	1208.0	1253.7	1362.2	1221.8	1183.2
27.5°	743.0	763.9	873.9	733.4	712.5
30°	462.2	451.7	503.6	432.2	402.7
32.5°	303.2	289.9	306.5	275.1	251.3
35°	202.8	207.0	194.2	192.8	162.8
37.5°	126.6	145.6	128.5	137.1	104.7
40°	81.9	105.7	90.9	100.4	77.1
42.5°	67.1	81.4	74.7	79.5	68.5
45°	53.3	66.2	66.2	66.2	53.8
47.5°	29.5	44.3	56.6	45.2	31.4
50°	16.7	22.4	43.8	23.3	17.6
52.5°	11.4	12.9	30.0	13.3	11.9
55°	8.6	9.0	16.2	9.5	9.0
57.5°	6.7	7.1	8.6	7.1	6.7
60°	5.2	5.2	6.2	5.7	5.2
62.5°	3.8	3.8	4.3	3.8	3.8
65°	2.9	2.9	2.9	2.9	2.9
67.5°	1.4	1.9	1.9	1.9	1.9
70°	1.4	1.0	1.0	1.0	1.4
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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)