

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: P750670

Luminaire Tested: LD4D60D010-EU4DR3055659027-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750670
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: LD4D60D010-EU4DR3055659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4794.9 lumens
Efficiency: N/A
Efficacy: 74.5 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

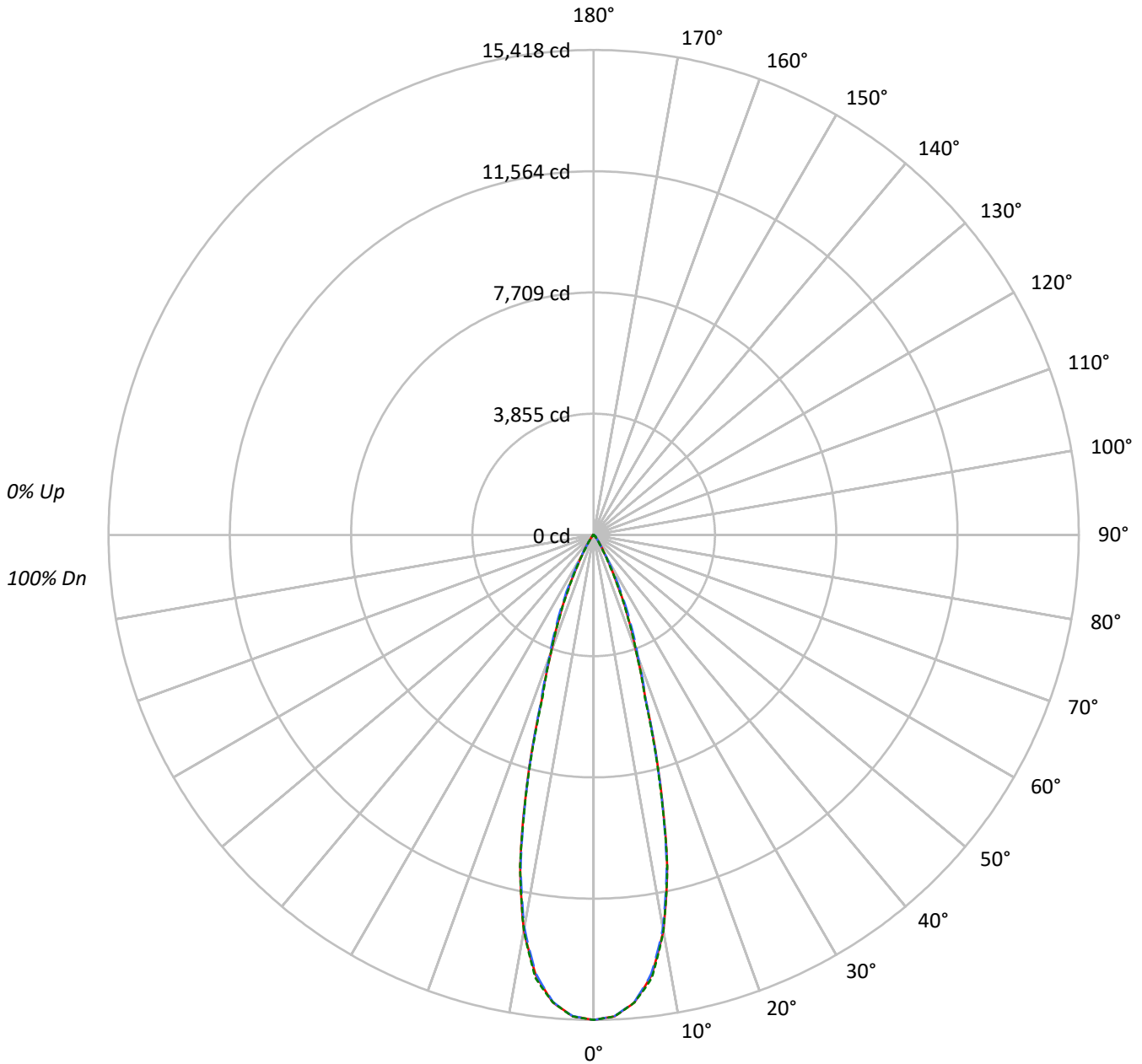
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P750670

CATALOG NUMBER: LD4D60D010-EU4DR3055659027-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P750670

CATALOG NUMBER: LD4D60D010-EU4DR3055659027-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					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°	1180131	1180131	1180131
5°	1146259	1144915	1146313
10°	992833	985830	992592
15°	647776	644298	641057
20°	322109	334189	321677
25°	162257	182966	158930
30°	64963	70787	56602
35°	30135	28855	24192
40°	13010	14448	12250
45°	9179	11388	9255
50°	3156	8288	3334
55°	1815	3430	1922
60°	1271	1500	1271
65°	815	815	815
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11388 cd/sqm



TEST NUMBER: P750670

CATALOG NUMBER: LD4D60D010-EU4DR3055659027-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1355.8	28.3
10°-20°	2183.5	45.5
20°-30°	943.5	19.7
30°-40°	215.1	4.5
40°-50°	73.8	1.5
50°-60°	18.0	0.4
60°-70°	4.7	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°	4482.8	93.5
0°-40°	4697.8	98.0
0°-60°	4789.7	99.9
0°-90°	4794.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4794.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15418	15418	15418	15418	15418	
5°	14918	14904	14901	14932	14919	1357
15°	8174	8076	8131	8104	8090	2189
25°	1921	1994	2166	1943	1882	920
35°	322	329	309	307	259	219
45°	85	105	105	105	86	60
55°	14	14	26	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P750670

CATALOG NUMBER: LD4D60D010-EU4DR3055659027-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15417.8	15417.8	15417.8	15417.8	15417.8
2.5°	15315.7	15305.1	15311.1	15318.7	15321.7
5°	14918.3	14903.9	14900.8	14931.9	14919.0
7.5°	14116.6	14096.2	14065.2	14135.5	14201.4
10°	12773.8	12751.1	12683.7	12717.0	12770.7
12.5°	10791.3	10717.9	10716.3	10822.3	10807.9
15°	8174.5	8076.1	8130.6	8104.1	8089.7
17.5°	5497.1	5459.2	5531.9	5509.9	5415.3
20°	3954.4	3964.2	4102.7	4033.1	3949.1
22.5°	2885.5	2921.1	3085.4	2906.0	2840.1
25°	1921.2	1993.8	2166.4	1943.1	1881.8
27.5°	1181.6	1214.9	1389.8	1166.5	1133.2
30°	735.0	718.4	800.9	687.3	640.4
32.5°	482.2	461.0	487.5	437.5	399.7
35°	322.5	329.3	308.8	306.6	258.9
37.5°	201.4	231.6	204.4	218.0	166.5
40°	130.2	168.0	144.6	159.7	122.6
42.5°	106.7	129.4	118.8	126.4	109.0
45°	84.8	105.2	105.2	105.2	85.5
47.5°	46.9	70.4	90.1	71.9	50.0
50°	26.5	35.6	69.6	37.1	28.0
52.5°	18.2	20.4	47.7	21.2	18.9
55°	13.6	14.4	25.7	15.1	14.4
57.5°	10.6	11.4	13.6	11.4	10.6
60°	8.3	8.3	9.8	9.1	8.3
62.5°	6.1	6.1	6.8	6.1	6.1
65°	4.5	4.5	4.5	4.5	4.5
67.5°	2.3	3.0	3.0	3.0	3.0
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	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)