

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: P767186

Luminaire Tested: LD6D50D010-EU6DR3040509030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR3040509030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4270.6 lumens
Efficiency: N/A
Efficacy: 90.9 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

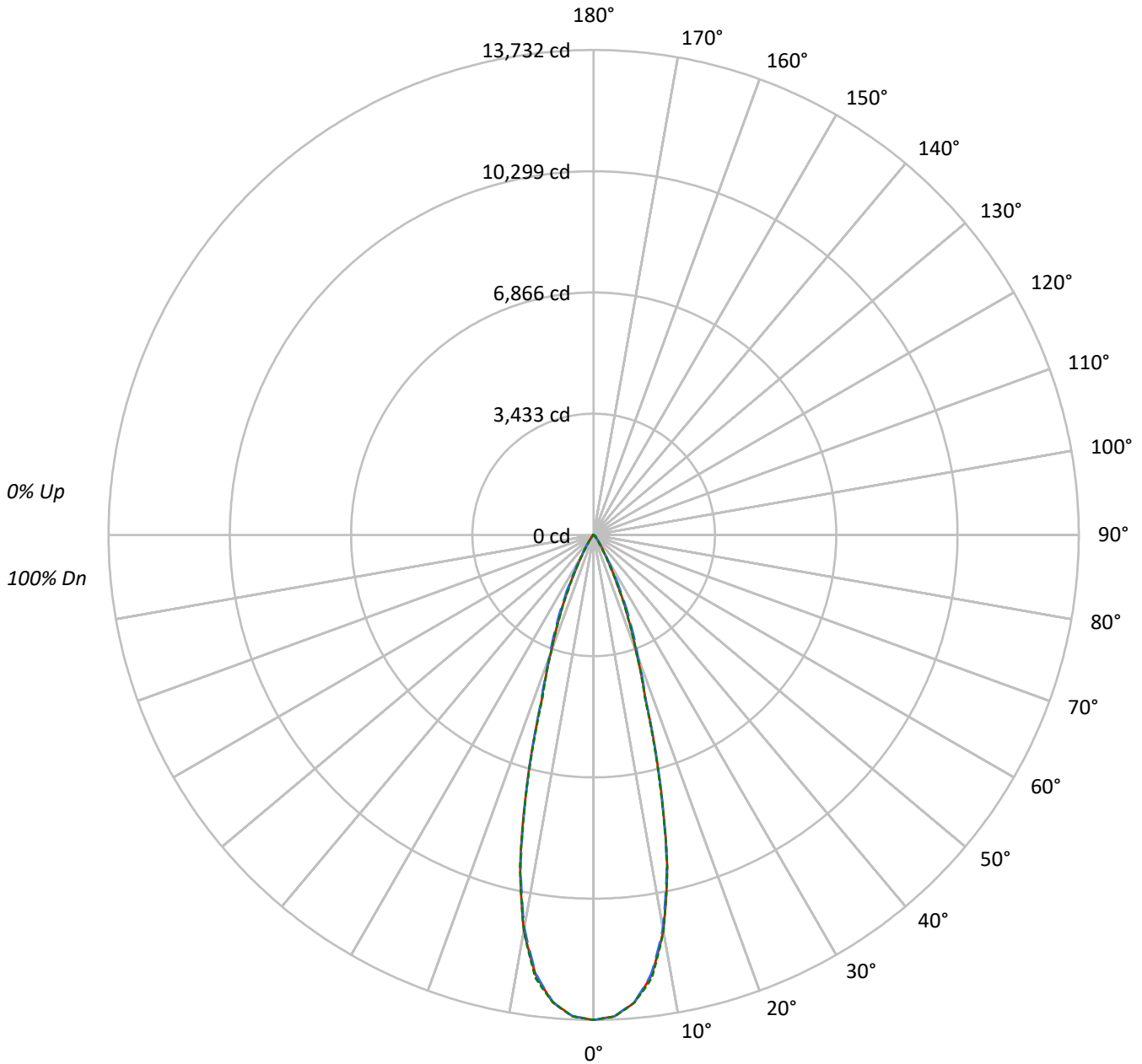
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P767186

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P767186

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1B

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°	1051109	1051109	1051109
5°	1020932	1019741	1020986
10°	884284	878050	884074
15°	576949	573850	570966
20°	286887	297656	286504
25°	144513	162967	141557
30°	57865	63045	50415
35°	26837	25706	21548
40°	11591	12870	10911
45°	8173	10143	8249
50°	2810	7383	2965
55°	1615	3056	1708
60°	1133	1347	1133
65°	724	724	724
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10143 cd/sqm



TEST NUMBER: P767186

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1207.5	28.3
10°-20°	1944.8	45.5
20°-30°	840.4	19.7
30°-40°	191.5	4.5
40°-50°	65.8	1.5
50°-60°	16.1	0.4
60°-70°	4.2	0.1
70°-80°	0.4	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°	3992.7	93.5
0°-40°	4184.2	98.0
0°-60°	4266.0	99.9
0°-90°	4270.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4270.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13732	13732	13732	13732	13732	
5°	13287	13274	13272	13299	13288	1209
15°	7281	7193	7242	7218	7205	1950
25°	1711	1776	1930	1731	1676	819
35°	287	293	275	273	231	195
45°	76	94	94	94	76	54
55°	12	13	23	14	13	12
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: P767186

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13732.2	13732.2	13732.2	13732.2	13732.2
2.5°	13641.2	13631.7	13637.1	13643.9	13646.6
5°	13287.2	13274.4	13271.7	13299.3	13287.9
7.5°	12573.2	12555.0	12527.4	12590.1	12648.7
10°	11377.2	11357.0	11297.0	11326.6	11374.5
12.5°	9611.4	9546.1	9544.7	9639.1	9626.3
15°	7280.7	7193.1	7241.6	7218.0	7205.2
17.5°	4896.1	4862.4	4927.1	4907.5	4823.3
20°	3522.0	3530.8	3654.2	3592.2	3517.3
22.5°	2570.1	2601.8	2748.1	2588.3	2529.6
25°	1711.1	1775.9	1929.6	1730.7	1676.1
27.5°	1052.4	1082.1	1237.8	1038.9	1009.3
30°	654.7	639.8	713.3	612.2	570.4
32.5°	429.5	410.6	434.2	389.7	356.0
35°	287.2	293.3	275.1	273.1	230.6
37.5°	179.3	206.3	182.0	194.2	148.3
40°	116.0	149.7	128.8	142.3	109.2
42.5°	95.1	115.3	105.8	112.6	97.1
45°	75.5	93.7	93.7	93.7	76.2
47.5°	41.8	62.7	80.2	64.0	44.5
50°	23.6	31.7	62.0	33.0	24.9
52.5°	16.2	18.2	42.5	18.9	16.9
55°	12.1	12.8	22.9	13.5	12.8
57.5°	9.4	10.1	12.1	10.1	9.4
60°	7.4	7.4	8.8	8.1	7.4
62.5°	5.4	5.4	6.1	5.4	5.4
65°	4.0	4.0	4.0	4.0	4.0
67.5°	2.0	2.7	2.7	2.7	2.7
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)