

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: P767190

Luminaire Tested: LD6D50D010-EU6DR3040509035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767190
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-EU6DR3040509035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5190.5 lumens
Efficiency: N/A
Efficacy: 110.4 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

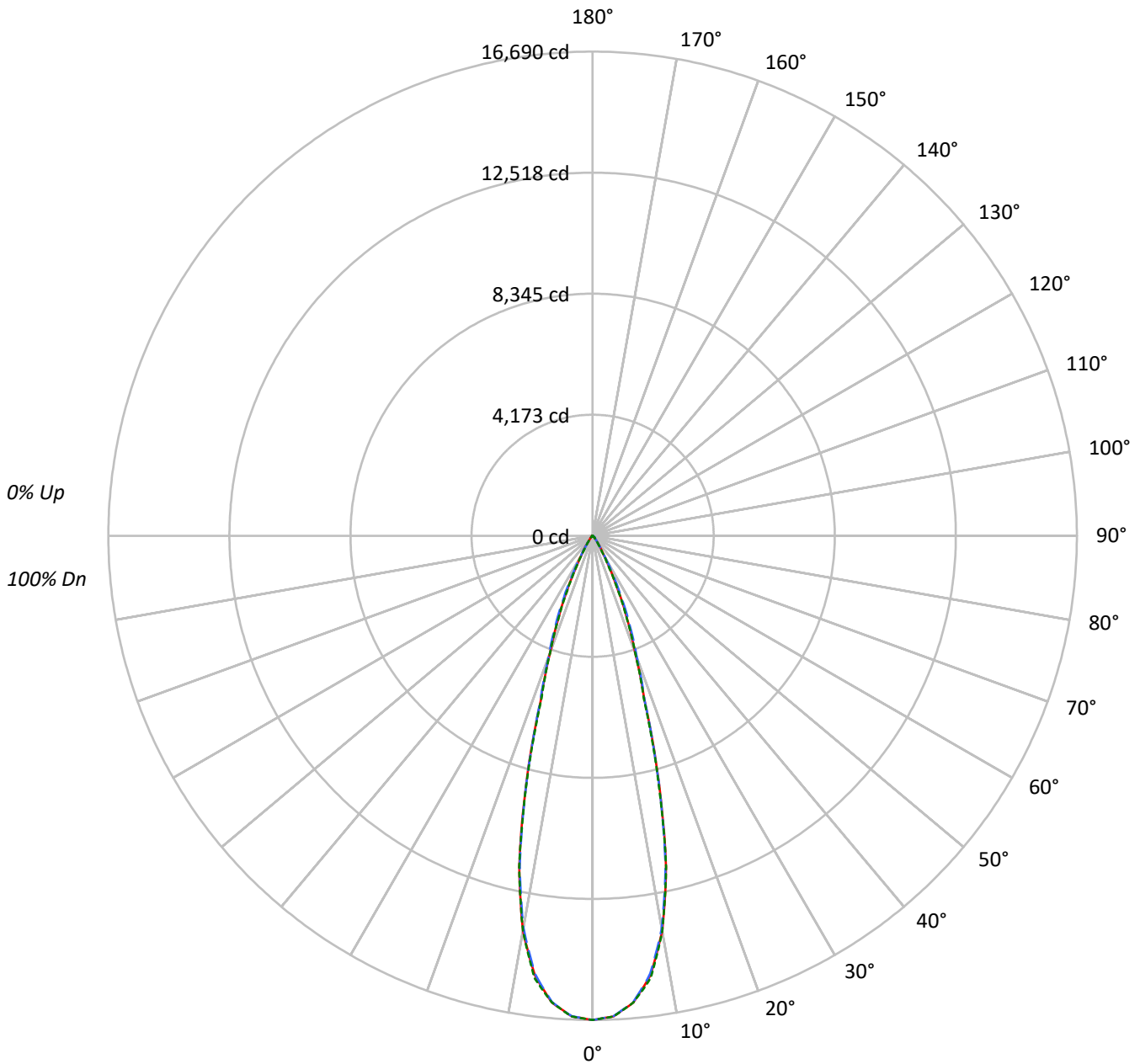
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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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°	1277509	1277509	1277509
5°	1240836	1239392	1240898
10°	1074755	1067177	1074498
15°	701226	697454	693952
20°	348688	361770	348215
25°	175644	198067	172046
30°	70328	76630	61268
35°	32621	31238	26183
40°	14079	15638	13259
45°	9937	12330	10024
50°	3418	8979	3608
55°	1962	3723	2082
60°	1378	1638	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: 12330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1467.6	28.3
10°-20°	2363.6	45.5
20°-30°	1021.4	19.7
30°-40°	232.8	4.5
40°-50°	79.9	1.5
50°-60°	19.5	0.4
60°-70°	5.1	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°	4852.7	93.5
0°-40°	5085.5	98.0
0°-60°	5184.9	99.9
0°-90°	5190.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5190.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16690	16690	16690	16690	16690	
5°	16149	16134	16130	16164	16150	1469
15°	8849	8742	8801	8773	8757	2369
25°	2080	2158	2345	2104	2037	995
35°	349	356	334	332	280	237
45°	92	114	114	114	93	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16690.0	16690.0	16690.0	16690.0	16690.0
2.5°	16579.4	16567.9	16574.5	16582.7	16586.0
5°	16149.2	16133.6	16130.4	16163.9	16150.0
7.5°	15281.4	15259.3	15225.7	15301.9	15373.2
10°	13827.8	13803.2	13730.3	13766.3	13824.5
12.5°	11681.7	11602.2	11600.6	11715.3	11699.7
15°	8849.0	8742.4	8801.4	8772.7	8757.2
17.5°	5950.7	5909.7	5988.3	5964.6	5862.2
20°	4280.7	4291.3	4441.3	4365.9	4274.9
22.5°	3123.6	3162.2	3340.0	3145.8	3074.5
25°	2079.7	2158.4	2345.2	2103.5	2037.1
27.5°	1279.1	1315.2	1504.5	1262.7	1226.7
30°	795.7	777.6	867.0	744.0	693.2
32.5°	522.0	499.0	527.7	473.6	432.7
35°	349.1	356.4	334.3	331.9	280.2
37.5°	218.0	250.7	221.2	236.0	180.3
40°	140.9	181.9	156.5	172.9	132.7
42.5°	115.5	140.1	128.6	136.8	118.0
45°	91.8	113.9	113.9	113.9	92.6
47.5°	50.8	76.2	97.5	77.8	54.1
50°	28.7	38.5	75.4	40.2	30.3
52.5°	19.7	22.1	51.6	22.9	20.5
55°	14.7	15.6	27.9	16.4	15.6
57.5°	11.5	12.3	14.7	12.3	11.5
60°	9.0	9.0	10.7	9.8	9.0
62.5°	6.6	6.6	7.4	6.6	6.6
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



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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