

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: P761001

Luminaire Tested: LD6D15D010-EU6DR1515309040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR1515309040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1389.8 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 15.8
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

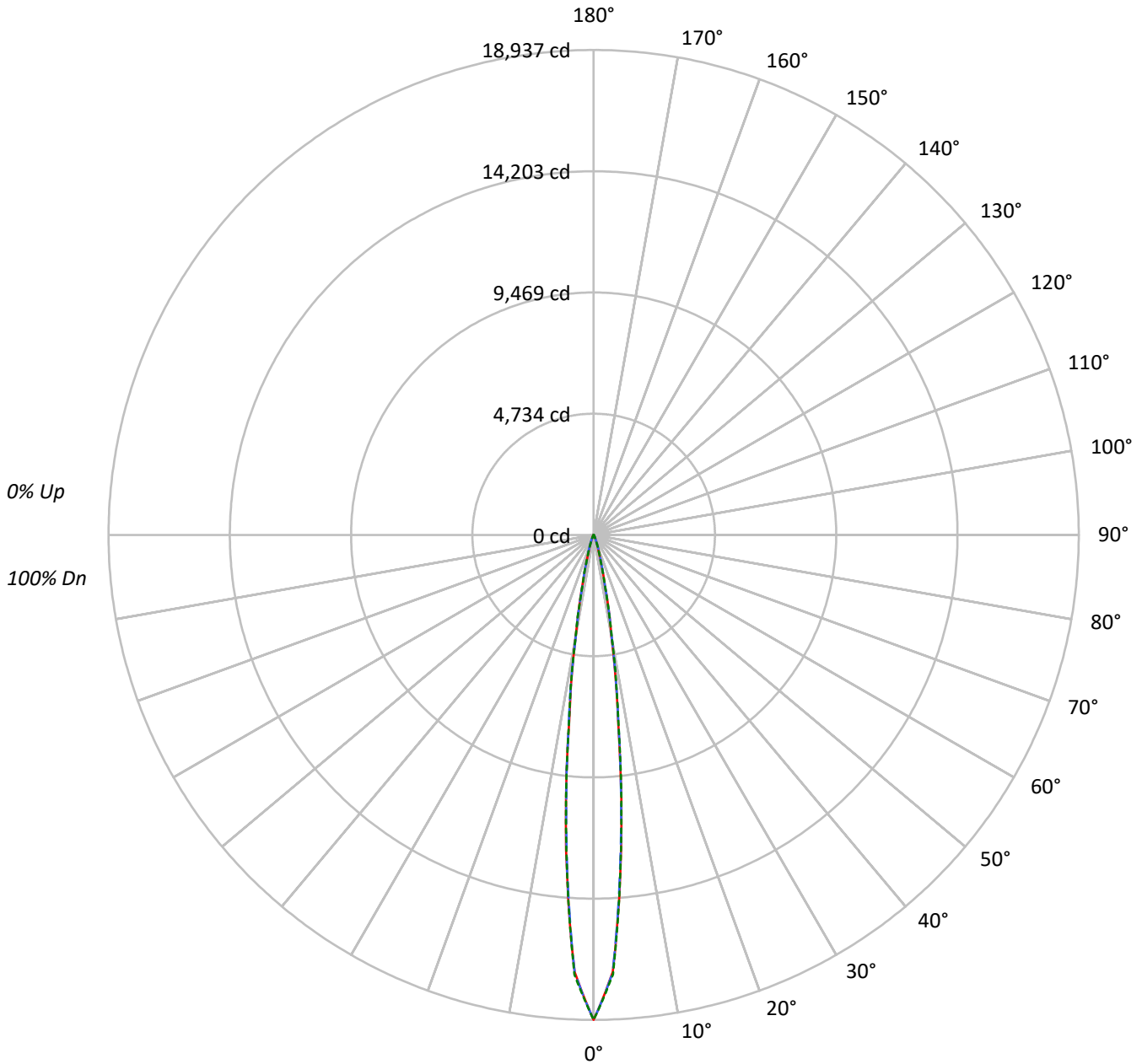


Downlight



TEST NUMBER: P761001
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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2130790	2130790	2130790
5°	1252149	1235940	1245716
10°	373706	376328	382085
15°	92954	94769	91842
20°	27812	32205	28401
25°	9808	12487	9932
30°	3602	4740	3662
35°	1808	2041	1750
40°	1136	1250	1136
45°	840	896	840
50°	668	668	668
55°	557	557	557
60°	449	449	449
65°	343	343	343
70°	293	293	293
75°	181	181	242
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 896 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.4	64.9
10°-20°	370.8	26.7
20°-30°	73.6	5.3
30°-40°	18.4	1.3
40°-50°	9.6	0.7
50°-60°	7.1	0.5
60°-70°	5.0	0.4
70°-80°	2.9	0.2
80°-90°	0.9	0.1
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°	1345.9	96.8
0°-40°	1364.3	98.2
0°-60°	1381.0	99.4
0°-90°	1389.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1389.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18937	18937	18937	18937	18937	
5°	12321	12194	12161	12246	12258	900
15°	1070	1090	1091	1072	1057	367
25°	126	143	160	142	128	66
35°	25	26	28	26	24	17
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18937.0	18937.0	18937.0	18937.0	18937.0
2.5°	17082.0	17096.4	17102.0	17118.8	17181.4
5°	12320.8	12194.2	12161.3	12245.5	12257.5
7.5°	7298.4	7324.0	7417.8	7438.7	7363.3
10°	4005.1	4038.0	4033.2	4062.1	4094.9
12.5°	2048.3	2022.6	2014.6	2047.5	2001.8
15°	1070.2	1090.3	1091.1	1071.8	1057.4
17.5°	575.6	598.8	637.3	606.1	558.0
20°	339.9	360.8	393.6	368.0	347.1
22.5°	210.0	226.9	250.1	230.1	213.2
25°	125.9	142.7	160.3	141.9	127.5
27.5°	74.6	89.0	100.2	88.2	73.8
30°	48.1	56.1	63.3	55.3	48.9
32.5°	33.7	36.9	40.1	36.9	33.7
35°	24.9	26.5	28.1	26.5	24.1
37.5°	19.2	20.8	21.6	20.0	18.4
40°	16.0	16.8	17.6	16.8	16.0
42.5°	13.6	14.4	14.4	14.4	13.6
45°	12.0	12.0	12.8	12.0	12.0
47.5°	10.4	10.4	11.2	10.4	10.4
50°	9.6	9.6	9.6	9.6	9.6
52.5°	8.8	8.8	8.8	8.8	8.8
55°	8.0	8.0	8.0	8.0	8.0
57.5°	7.2	7.2	7.2	7.2	7.2
60°	6.4	6.4	6.4	6.4	6.4
62.5°	5.6	5.6	5.6	5.6	5.6
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.4	3.2
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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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