

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: P768771

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768771
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: LD6D60D010-EU6DR3055659040-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 7400.1 lumens
Efficiency: N/A
Efficacy: 114.9 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

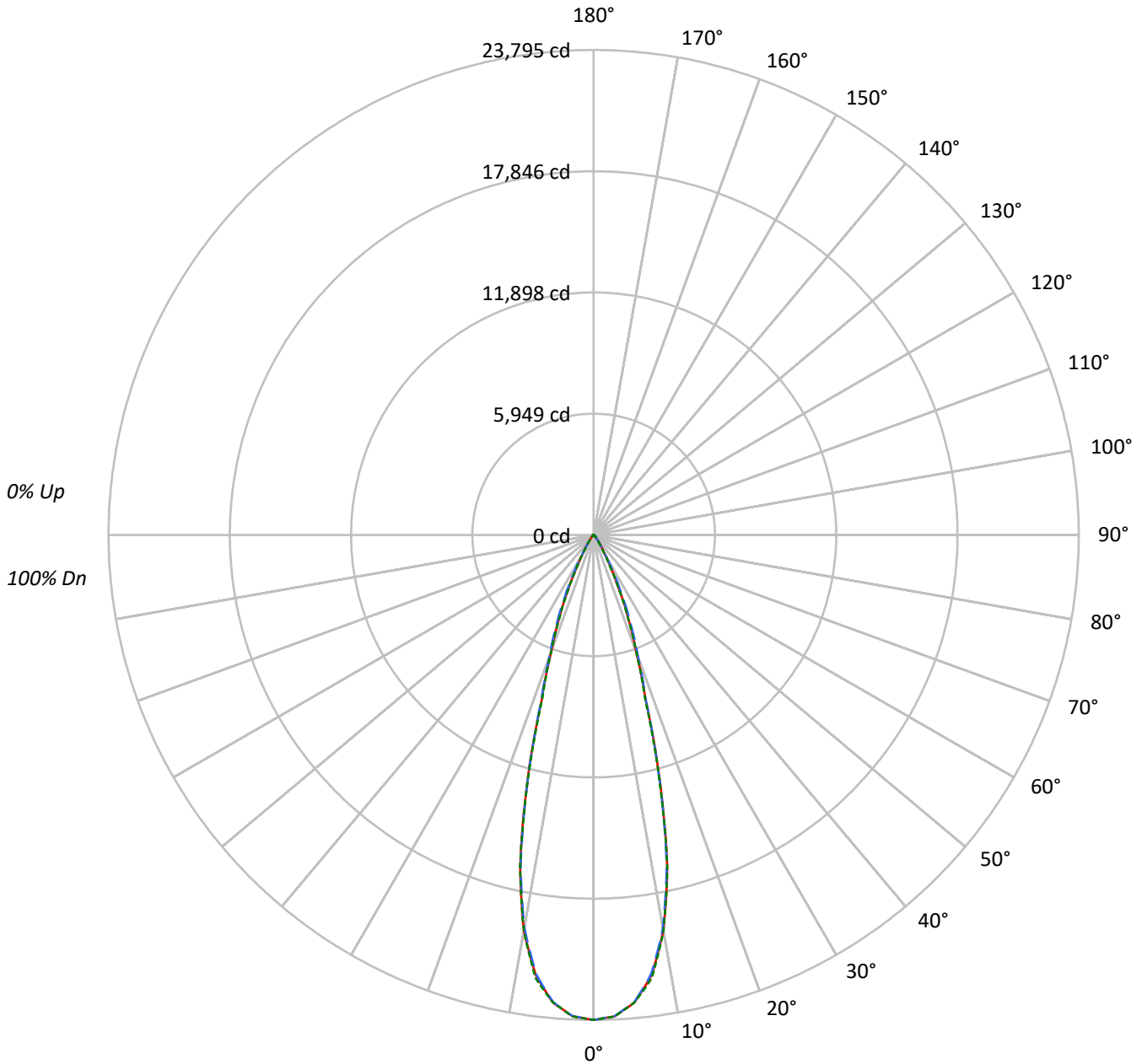
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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°	1821350	1821350	1821350
5°	1769059	1766992	1769152
10°	1532278	1521467	1531913
15°	999737	994364	989364
20°	497116	515770	496457
25°	250413	282380	245286
30°	100264	109243	87351
35°	46506	44535	37330
40°	20074	22292	18915
45°	14159	17580	14289
50°	4870	12801	5144
55°	2802	5298	2963
60°	1975	2327	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17580 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2092.4	28.3
10°-20°	3369.8	45.5
20°-30°	1456.2	19.7
30°-40°	331.9	4.5
40°-50°	114.0	1.5
50°-60°	27.8	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6918.4	93.5
0°-40°	7250.3	98.0
0°-60°	7392.1	99.9
0°-90°	7400.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7400.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23795	23795	23795	23795	23795	
5°	23024	23002	22997	23045	23025	2094
15°	12616	12464	12548	12507	12485	3378
25°	2965	3077	3344	2999	2904	1419
35°	498	508	477	473	400	338
45°	131	162	162	162	132	93
55°	21	22	40	23	22	20
65°	7	7	7	7	7	7
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°	23795.0	23795.0	23795.0	23795.0	23795.0
2.5°	23637.2	23620.9	23630.2	23641.9	23646.6
5°	23023.9	23001.7	22997.0	23044.9	23025.1
7.5°	21786.7	21755.2	21707.3	21815.9	21917.6
10°	19714.3	19679.2	19575.2	19626.6	19709.6
12.5°	16654.6	16541.3	16538.9	16702.5	16680.3
15°	12616.0	12464.1	12548.2	12507.3	12485.1
17.5°	8483.8	8425.4	8537.6	8503.7	8357.7
20°	6102.9	6118.1	6331.9	6224.4	6094.8
22.5°	4453.4	4508.3	4761.8	4484.9	4383.3
25°	2965.0	3077.2	3343.5	2998.9	2904.3
27.5°	1823.6	1875.0	2144.9	1800.3	1748.9
30°	1134.4	1108.7	1236.0	1060.8	988.3
32.5°	744.2	711.5	752.4	675.2	616.8
35°	497.7	508.2	476.6	473.1	399.5
37.5°	310.8	357.5	315.4	336.5	257.0
40°	200.9	259.4	223.1	246.5	189.3
42.5°	164.7	199.8	183.4	195.1	168.2
45°	130.8	162.4	162.4	162.4	132.0
47.5°	72.4	108.6	139.0	111.0	77.1
50°	40.9	54.9	107.5	57.2	43.2
52.5°	28.0	31.5	73.6	32.7	29.2
55°	21.0	22.2	39.7	23.4	22.2
57.5°	16.4	17.5	21.0	17.5	16.4
60°	12.9	12.9	15.2	14.0	12.9
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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