

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: P768727

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768727
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-EU6DR3055659027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7126.0 lumens
Efficiency: N/A
Efficacy: 110.7 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

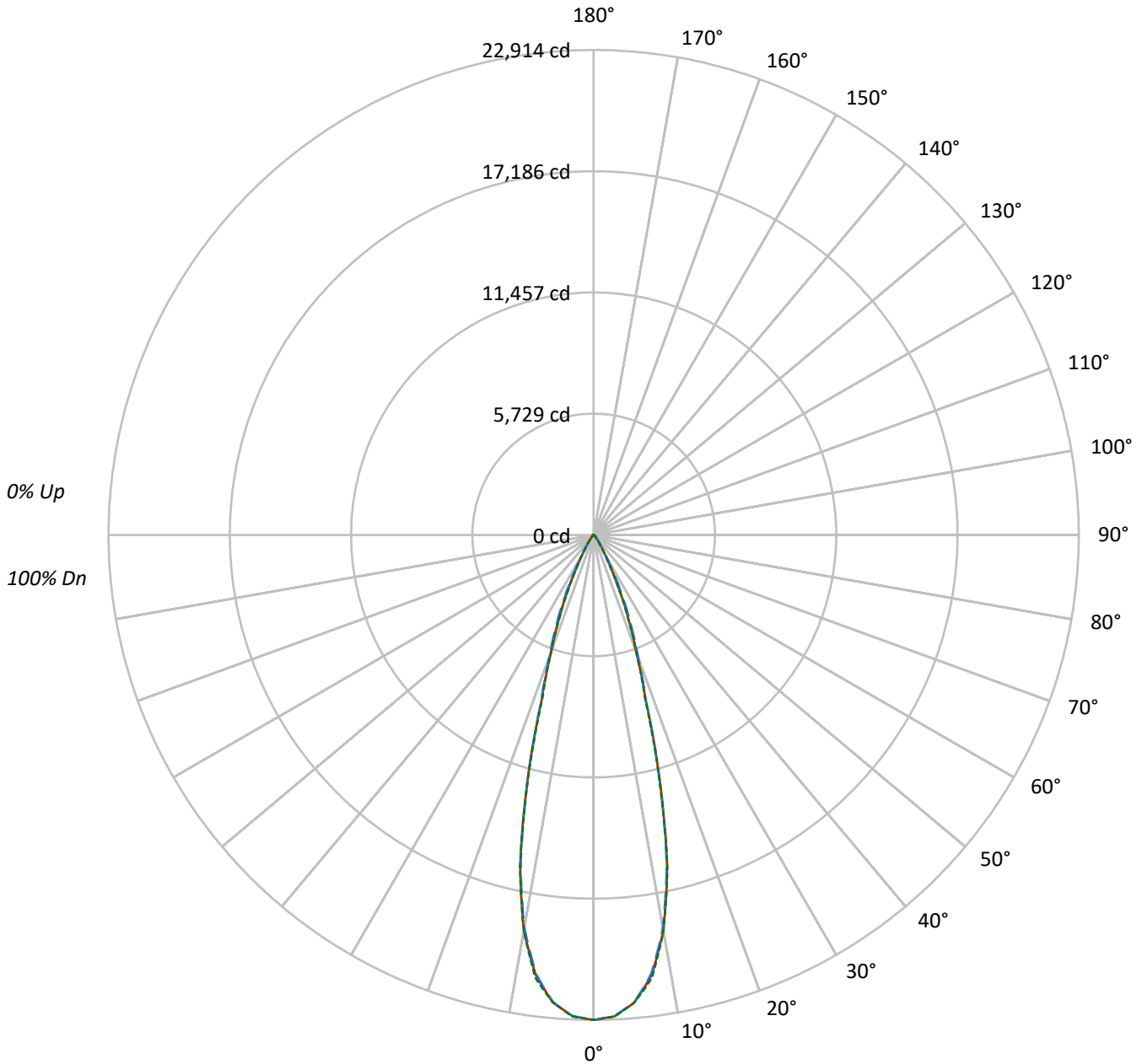
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1753900	1753900	1753900
5°	1703549	1701567	1703641
10°	1475532	1465132	1475182
15°	962714	957539	952729
20°	478716	496677	478072
25°	241140	271924	236199
30°	96551	105195	84116
35°	44778	42890	35947
40°	19335	21473	18205
45°	13639	16930	13758
50°	4692	12325	4954
55°	2696	5098	2856
60°	1898	2235	1898
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16930 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2014.9	28.3
10°-20°	3245.1	45.5
20°-30°	1402.3	19.7
30°-40°	319.6	4.5
40°-50°	109.7	1.5
50°-60°	26.8	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6662.3	93.5
0°-40°	6981.9	98.0
0°-60°	7118.4	99.9
0°-90°	7126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22914	22914	22914	22914	22914	
5°	22171	22150	22146	22192	22172	2017
15°	12149	12002	12084	12044	12023	3253
25°	2855	2963	3220	2888	2797	1367
35°	479	489	459	456	385	325
45°	126	156	156	156	127	89
55°	20	21	38	22	21	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°	22913.8	22913.8	22913.8	22913.8	22913.8
2.5°	22762.0	22746.2	22755.2	22766.5	22771.0
5°	22171.3	22150.0	22145.5	22191.6	22172.5
7.5°	20980.0	20949.6	20903.5	21008.1	21106.0
10°	18984.2	18950.5	18850.4	18899.9	18979.7
12.5°	16037.9	15928.8	15926.5	16084.0	16062.6
15°	12148.8	12002.5	12083.5	12044.2	12022.8
17.5°	8169.7	8113.4	8221.4	8188.8	8048.2
20°	5877.0	5891.6	6097.5	5994.0	5869.1
22.5°	4288.5	4341.3	4585.5	4318.8	4221.0
25°	2855.2	2963.2	3219.7	2887.9	2796.7
27.5°	1756.1	1805.6	2065.5	1733.6	1684.1
30°	1092.4	1067.6	1190.2	1021.5	951.7
32.5°	716.6	685.1	724.5	650.2	594.0
35°	479.2	489.4	459.0	455.6	384.7
37.5°	299.2	344.2	303.7	324.0	247.5
40°	193.5	249.7	214.9	237.4	182.2
42.5°	158.6	192.4	176.6	187.9	162.0
45°	126.0	156.4	156.4	156.4	127.1
47.5°	69.7	104.6	133.9	106.9	74.2
50°	39.4	52.9	103.5	55.1	41.6
52.5°	27.0	30.4	70.9	31.5	28.1
55°	20.2	21.4	38.2	22.5	21.4
57.5°	15.7	16.9	20.2	16.9	15.7
60°	12.4	12.4	14.6	13.5	12.4
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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