

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: P768746

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768746
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-EU6DR3055659030-6LBSQW1B
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: 5309.5 lumens
Efficiency: N/A
Efficacy: 82.4 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

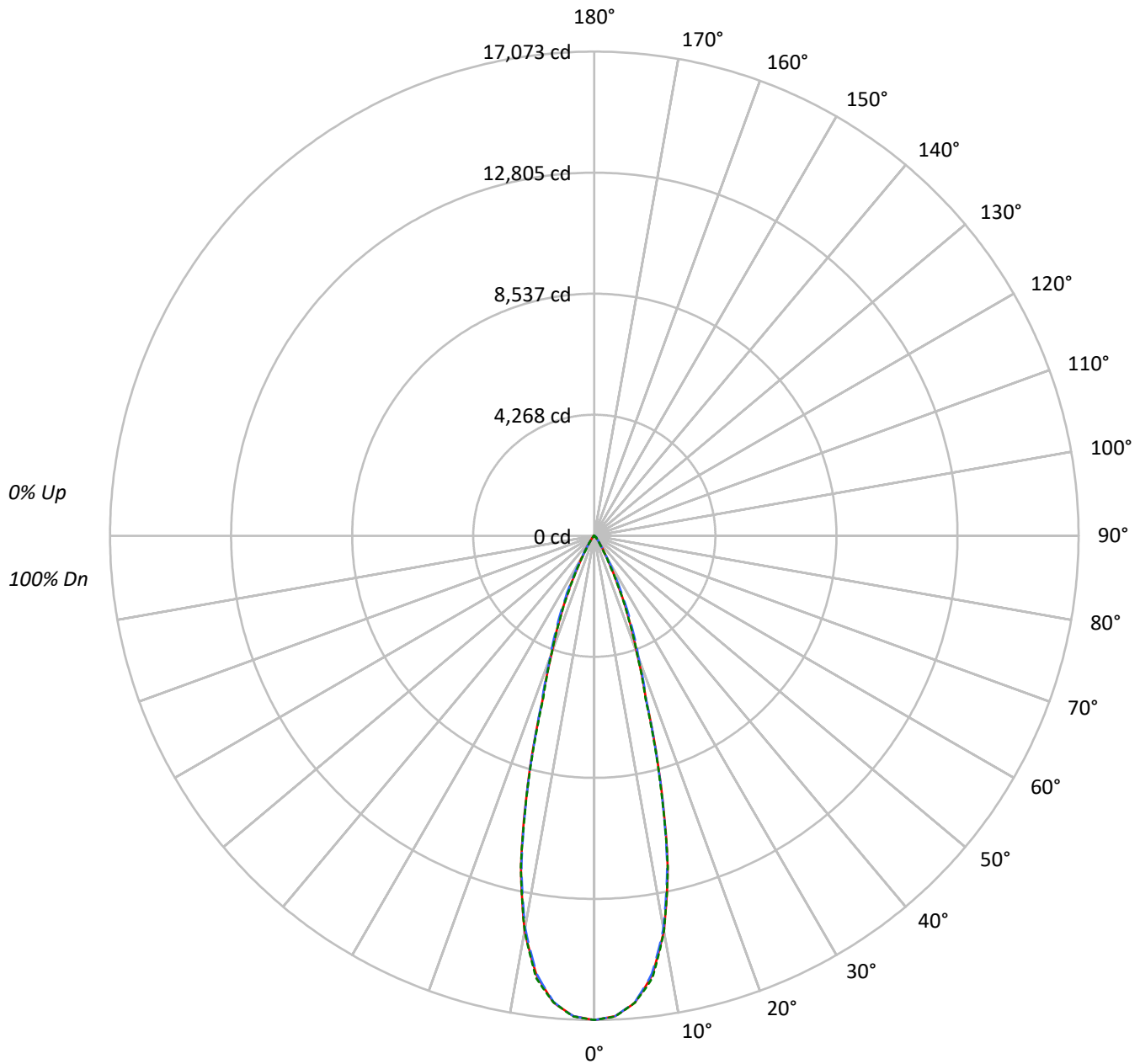
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1306795	1306795	1306795
5°	1269281	1267798	1269342
10°	1099386	1091636	1099129
15°	717297	713446	709856
20°	356679	370062	356198
25°	179672	202602	175990
30°	71936	78380	62674
35°	33368	31957	26790
40°	14409	15997	13569
45°	10165	12611	10251
50°	3489	9181	3691
55°	2015	3803	2122
60°	1408	1669	1408
65°	906	906	906
70°	559	380	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: 12611 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1501.3	28.3
10°-20°	2417.8	45.5
20°-30°	1044.8	19.7
30°-40°	238.1	4.5
40°-50°	81.8	1.5
50°-60°	20.0	0.4
60°-70°	5.2	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°	4963.9	93.5
0°-40°	5202.0	98.0
0°-60°	5303.8	99.9
0°-90°	5309.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5309.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17073	17073	17073	17073	17073	
5°	16519	16504	16500	16534	16520	1503
15°	9052	8943	9003	8974	8958	2424
25°	2127	2208	2399	2152	2084	1018
35°	357	365	342	340	287	242
45°	94	116	116	116	95	67
55°	15	16	28	17	16	15
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17072.6	17072.6	17072.6	17072.6	17072.6
2.5°	16959.4	16947.7	16954.4	16962.8	16966.1
5°	16519.4	16503.5	16500.1	16534.5	16520.2
7.5°	15631.7	15609.1	15574.7	15652.7	15725.6
10°	14144.7	14119.6	14045.0	14081.9	14141.4
12.5°	11949.5	11868.2	11866.5	11983.8	11967.9
15°	9051.8	8942.8	9003.2	8973.8	8957.9
17.5°	6087.1	6045.1	6125.6	6101.3	5996.5
20°	4378.8	4389.7	4543.1	4466.0	4372.9
22.5°	3195.2	3234.6	3416.5	3217.9	3145.0
25°	2127.4	2207.8	2398.9	2151.7	2083.8
27.5°	1308.4	1345.3	1538.9	1291.7	1254.8
30°	813.9	795.5	886.8	761.1	709.1
32.5°	533.9	510.5	539.8	484.5	442.6
35°	357.1	364.6	342.0	339.5	286.7
37.5°	223.0	256.5	226.3	241.4	184.4
40°	144.2	186.1	160.1	176.9	135.8
42.5°	118.2	143.3	131.6	140.0	120.7
45°	93.9	116.5	116.5	116.5	94.7
47.5°	52.0	78.0	99.7	79.6	55.3
50°	29.3	39.4	77.1	41.1	31.0
52.5°	20.1	22.6	52.8	23.5	21.0
55°	15.1	15.9	28.5	16.8	15.9
57.5°	11.7	12.6	15.1	12.6	11.7
60°	9.2	9.2	10.9	10.1	9.2
62.5°	6.7	6.7	7.5	6.7	6.7
65°	5.0	5.0	5.0	5.0	5.0
67.5°	2.5	3.4	3.4	3.4	3.4
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)