

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: P767954

Luminaire Tested: LD6D55D010-EU6DR3055659027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767954
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: LD6D55D010-EU6DR3055659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5188.9 lumens
Efficiency: N/A
Efficacy: 89.2 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

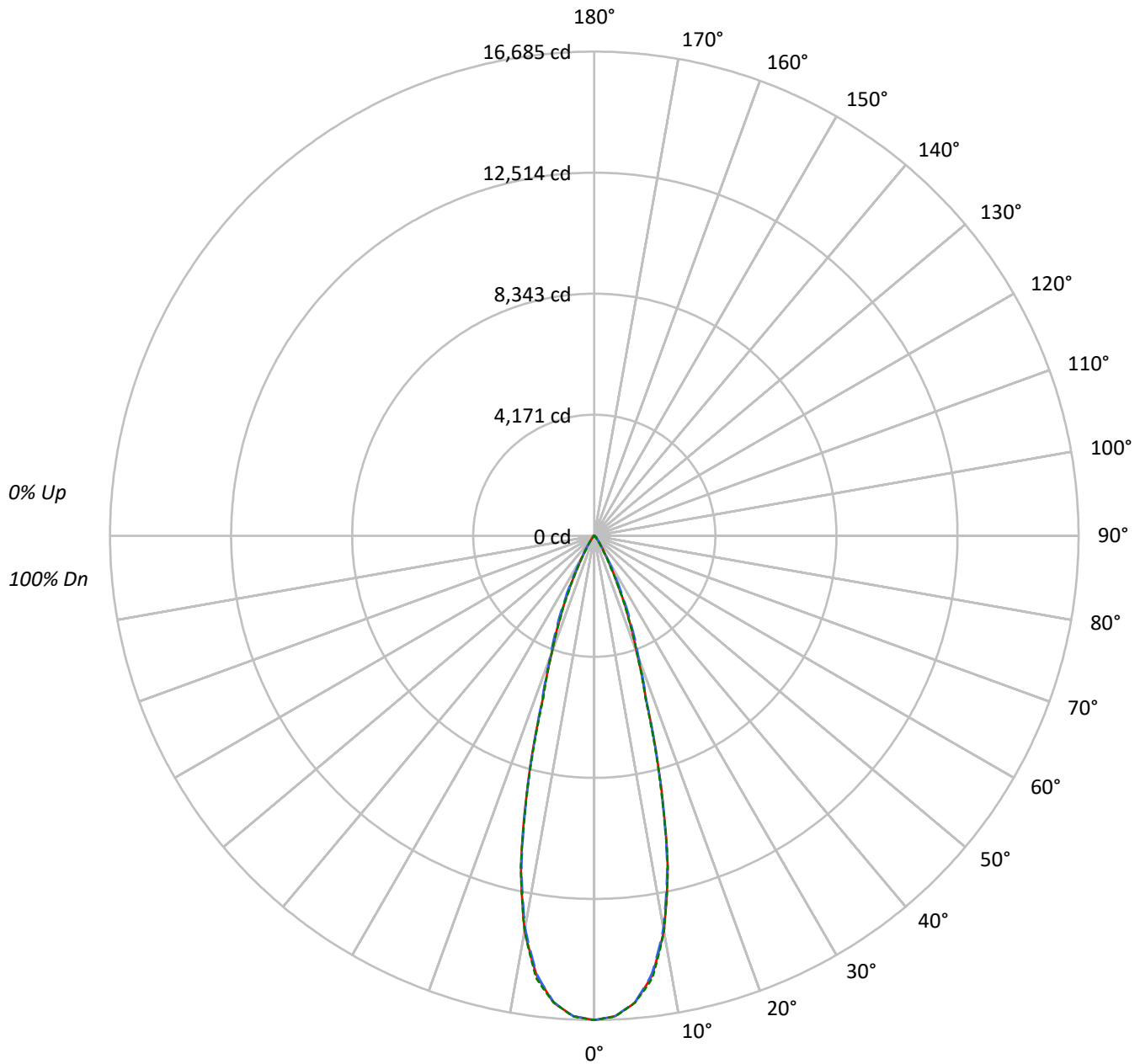
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1277104	1277104	1277104
5°	1240445	1239000	1240506
10°	1074413	1066835	1074156
15°	701004	697232	693730
20°	348574	361656	348109
25°	175585	197999	171987
30°	70301	76603	61251
35°	32611	31228	26183
40°	14079	15638	13259
45°	9926	12330	10024
50°	3418	8979	3608
55°	1962	3723	2082
60°	1378	1623	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°	1467.2	28.3
10°-20°	2362.9	45.5
20°-30°	1021.1	19.7
30°-40°	232.7	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°	4851.1	93.5
0°-40°	5083.9	98.0
0°-60°	5183.3	99.9
0°-90°	5188.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5188.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16685	16685	16685	16685	16685	
5°	16144	16128	16125	16159	16145	1468
15°	8846	8740	8799	8770	8754	2369
25°	2079	2158	2344	2103	2036	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16684.7	16684.7	16684.7	16684.7	16684.7
2.5°	16574.2	16562.7	16569.2	16577.4	16580.7
5°	16144.1	16128.5	16125.3	16158.8	16144.9
7.5°	15276.6	15254.5	15220.9	15297.1	15368.3
10°	13823.4	13798.8	13725.9	13762.0	13820.1
12.5°	11678.0	11598.6	11596.9	11711.6	11696.0
15°	8846.2	8739.7	8798.6	8770.0	8754.4
17.5°	5948.8	5907.8	5986.5	5962.7	5860.3
20°	4279.3	4290.0	4439.9	4364.5	4273.6
22.5°	3122.7	3161.2	3338.9	3144.8	3073.5
25°	2079.0	2157.7	2344.4	2102.8	2036.4
27.5°	1278.7	1314.8	1504.0	1262.3	1226.3
30°	795.4	777.4	866.7	743.8	693.0
32.5°	521.8	498.9	527.5	473.5	432.5
35°	349.0	356.3	334.2	331.8	280.2
37.5°	217.9	250.7	221.2	235.9	180.2
40°	140.9	181.9	156.5	172.8	132.7
42.5°	115.5	140.1	128.6	136.8	118.0
45°	91.7	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	40.1	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	10.6	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)