

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: P767980

Luminaire Tested: LD6D55D010-EU6DR3055659035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767980
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-EU6DR3055659035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5402.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

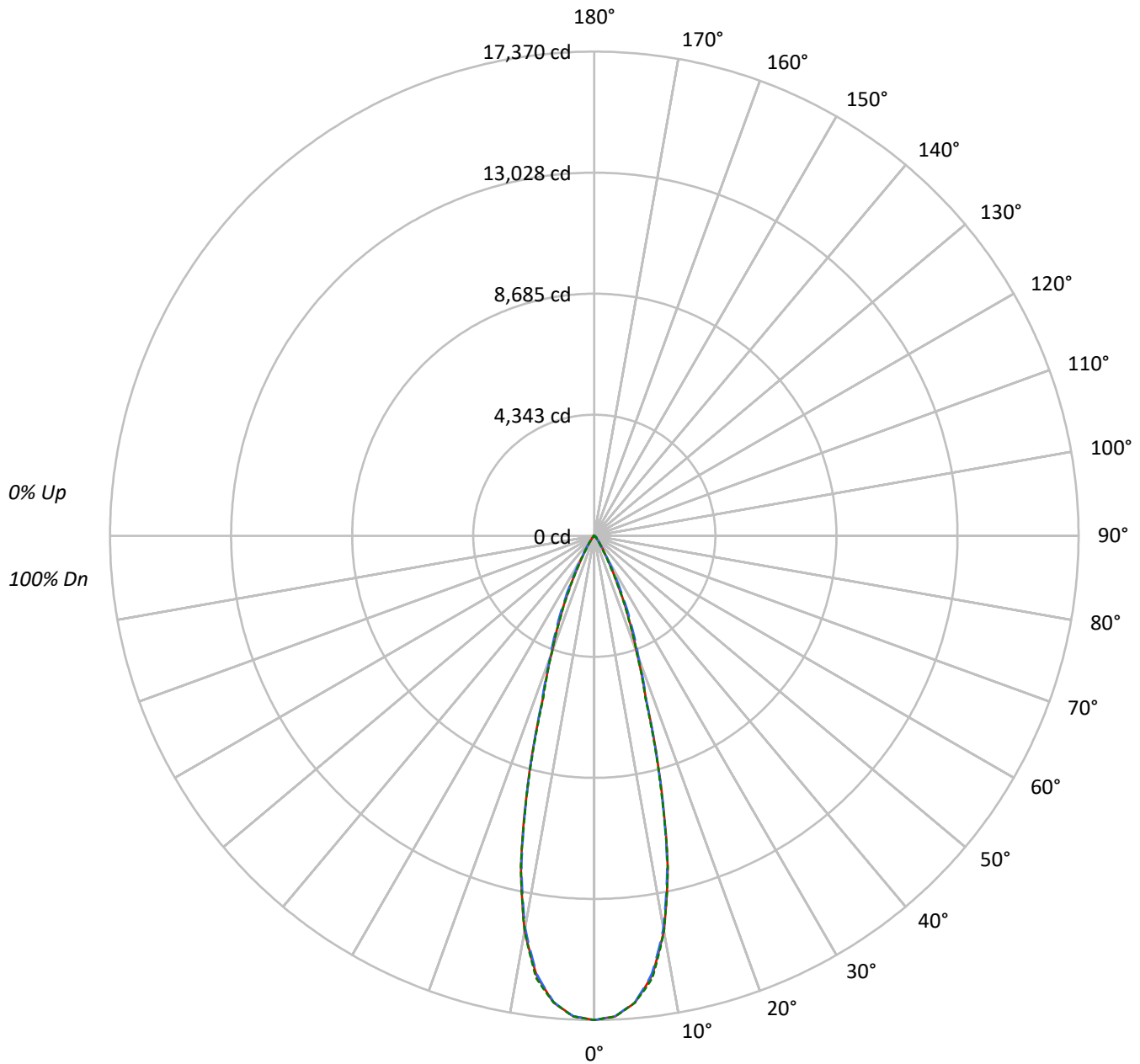
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1329559	1329559	1329559
5°	1291394	1289881	1291456
10°	1118537	1110656	1118272
15°	729794	725871	722226
20°	362894	376505	362405
25°	182797	206132	179056
30°	73191	79750	63770
35°	33948	32509	27257
40°	14658	16277	13809
45°	10338	12827	10435
50°	3549	9348	3763
55°	2055	3870	2162
60°	1439	1699	1439
65°	924	924	924
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1527.4	28.3
10°-20°	2459.9	45.5
20°-30°	1063.0	19.7
30°-40°	242.3	4.5
40°-50°	83.2	1.5
50°-60°	20.3	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5050.4	93.5
0°-40°	5292.7	98.0
0°-60°	5396.2	99.9
0°-90°	5402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17370	17370	17370	17370	17370	
5°	16807	16791	16788	16822	16808	1529
15°	9210	9099	9160	9130	9114	2466
25°	2164	2246	2441	2189	2120	1036
35°	363	371	348	345	292	246
45°	96	118	118	118	96	68
55°	15	16	29	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°	17370.0	17370.0	17370.0	17370.0	17370.0
2.5°	17254.9	17242.9	17249.8	17258.3	17261.7
5°	16807.2	16791.0	16787.5	16822.5	16808.0
7.5°	15904.0	15881.0	15846.0	15925.4	15999.5
10°	14391.1	14365.6	14289.7	14327.2	14387.7
12.5°	12157.6	12074.9	12073.2	12192.6	12176.4
15°	9209.5	9098.6	9160.0	9130.2	9114.0
17.5°	6193.1	6150.5	6232.3	6207.6	6101.0
20°	4455.1	4466.2	4622.2	4543.8	4449.1
22.5°	3250.9	3291.0	3476.0	3273.9	3199.7
25°	2164.4	2246.3	2440.7	2189.2	2120.1
27.5°	1331.2	1368.8	1565.8	1314.2	1276.7
30°	828.1	809.3	902.3	774.4	721.5
32.5°	543.2	519.4	549.2	492.9	450.3
35°	363.3	371.0	347.9	345.4	291.7
37.5°	226.8	261.0	230.3	245.6	187.6
40°	146.7	189.3	162.9	179.9	138.2
42.5°	120.2	145.8	133.9	142.4	122.8
45°	95.5	118.5	118.5	118.5	96.4
47.5°	52.9	79.3	101.5	81.0	56.3
50°	29.8	40.1	78.5	41.8	31.6
52.5°	20.5	23.0	53.7	23.9	21.3
55°	15.4	16.2	29.0	17.1	16.2
57.5°	11.9	12.8	15.4	12.8	11.9
60°	9.4	9.4	11.1	10.2	9.4
62.5°	6.8	6.8	7.7	6.8	6.8
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)