

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: P767956

Luminaire Tested: LD6D55D010-EU6DR3055659030-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767956
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-EU6DR3055659030-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5806.3 lumens
Efficiency: N/A
Efficacy: 99.8 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

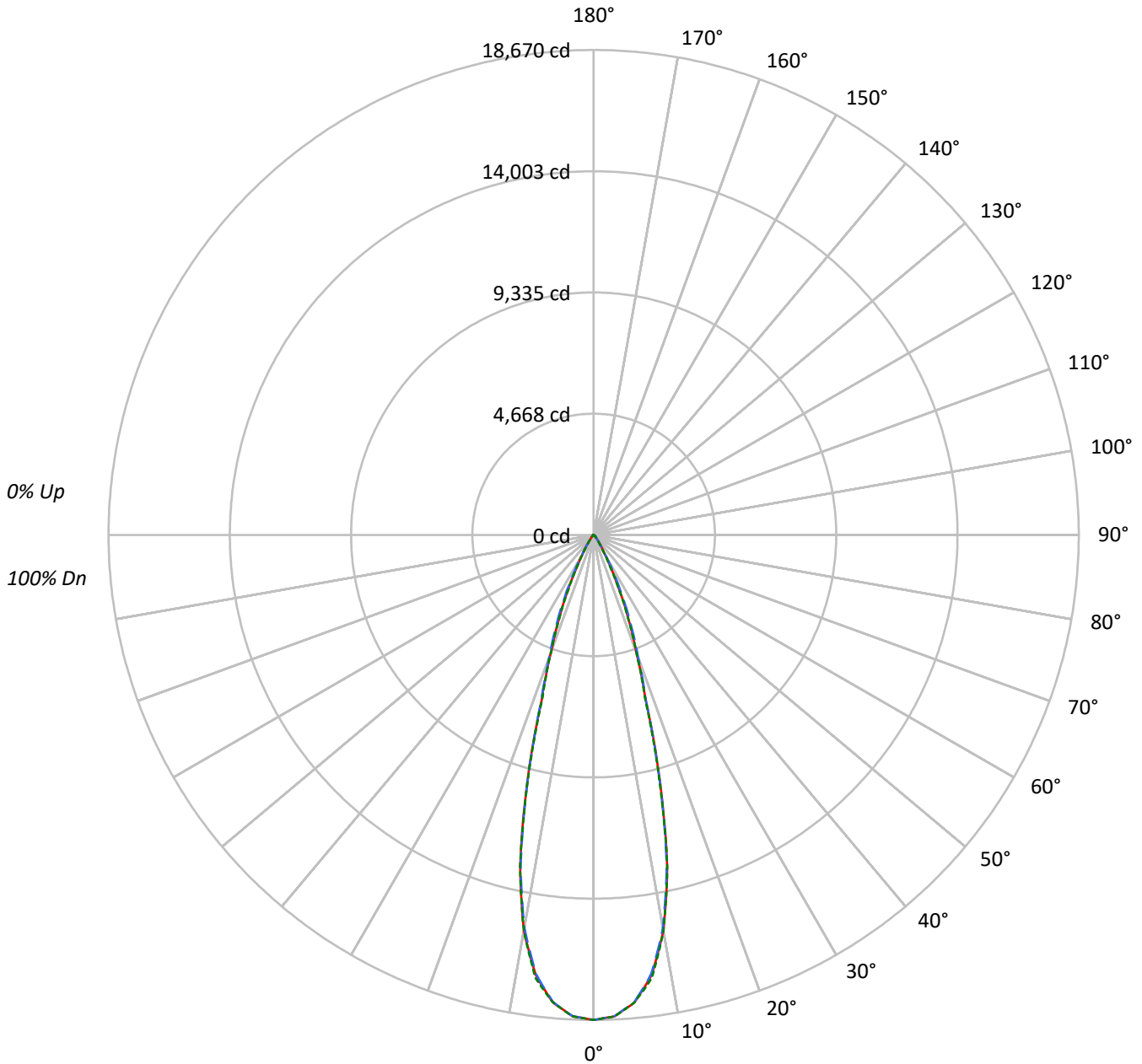
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	1429073	1429073	1429073
5°	1388046	1386425	1388115
10°	1202261	1193782	1201974
15°	784416	780200	776278
20°	390051	404689	389530
25°	196479	221563	192459
30°	78671	85715	68542
35°	36489	34947	29294
40°	15757	17496	14838
45°	11117	13791	11215
50°	3822	10038	4037
55°	2202	4164	2322
60°	1546	1822	1546
65°	996	996	996
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1641.8	28.3
10°-20°	2644.1	45.5
20°-30°	1142.6	19.7
30°-40°	260.4	4.5
40°-50°	89.4	1.5
50°-60°	21.8	0.4
60°-70°	5.7	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°	5428.4	93.5
0°-40°	5688.8	98.0
0°-60°	5800.0	99.9
0°-90°	5806.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5806.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18670	18670	18670	18670	18670	
5°	18065	18048	18044	18082	18066	1643
15°	9899	9780	9846	9814	9796	2651
25°	2326	2414	2623	2353	2279	1114
35°	390	399	374	371	314	265
45°	103	127	127	127	104	73
55°	16	17	31	18	17	16
65°	6	6	6	6	6	5
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°	18670.1	18670.1	18670.1	18670.1	18670.1
2.5°	18546.4	18533.5	18540.9	18550.0	18553.7
5°	18065.1	18047.7	18044.0	18081.6	18066.0
7.5°	17094.4	17069.6	17032.1	17117.3	17197.1
10°	15468.3	15440.8	15359.2	15399.5	15464.6
12.5°	13067.6	12978.7	12976.9	13105.2	13087.8
15°	9898.8	9779.6	9845.6	9813.5	9796.1
17.5°	6656.6	6610.8	6698.8	6672.2	6557.6
20°	4788.5	4800.4	4968.2	4883.9	4782.1
22.5°	3494.2	3537.3	3736.2	3519.0	3439.2
25°	2326.4	2414.4	2623.4	2353.0	2278.8
27.5°	1430.9	1471.2	1682.9	1412.5	1372.2
30°	890.1	869.9	969.8	832.3	775.5
32.5°	583.9	558.2	590.3	529.8	484.0
35°	390.5	398.7	374.0	371.2	313.5
37.5°	243.8	280.5	247.5	264.0	201.7
40°	157.7	203.5	175.1	193.4	148.5
42.5°	129.2	156.7	143.9	153.1	132.0
45°	102.7	127.4	127.4	127.4	103.6
47.5°	56.8	85.2	109.1	87.1	60.5
50°	32.1	43.1	84.3	44.9	33.9
52.5°	22.0	24.7	57.7	25.7	22.9
55°	16.5	17.4	31.2	18.3	17.4
57.5°	12.8	13.7	16.5	13.7	12.8
60°	10.1	10.1	11.9	11.0	10.1
62.5°	7.3	7.3	8.2	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.7	3.7	3.7	3.7	3.7
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	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

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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