

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: P768006

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768006
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-EU6DR3055659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5695.0 lumens
Efficiency: N/A
Efficacy: 97.9 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

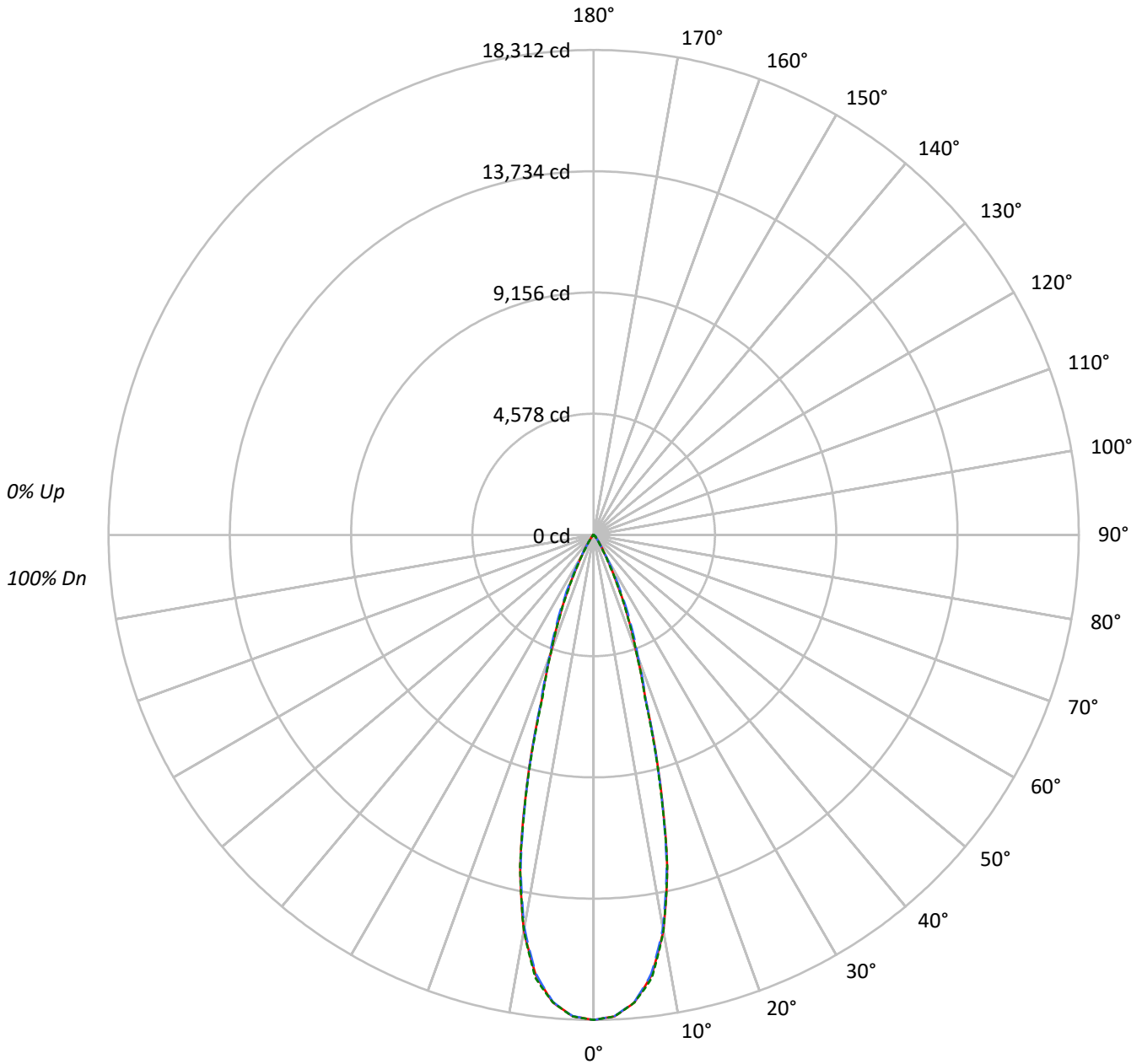
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1401663	1401663	1401663
5°	1361422	1359832	1361492
10°	1179200	1170884	1178921
15°	769368	765239	761388
20°	382573	396926	382060
25°	192712	217314	188768
30°	77160	84072	67225
35°	35788	34275	28733
40°	15448	17156	14548
45°	10901	13531	10998
50°	3751	9848	3965
55°	2162	4084	2282
60°	1516	1791	1516
65°	978	978	978
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: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1610.3	28.3
10°-20°	2593.3	45.5
20°-30°	1120.7	19.7
30°-40°	255.4	4.5
40°-50°	87.7	1.5
50°-60°	21.4	0.4
60°-70°	5.6	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°	5324.3	93.5
0°-40°	5579.7	98.0
0°-60°	5688.8	99.9
0°-90°	5695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18312	18312	18312	18312	18312	
5°	17719	17702	17698	17735	17720	1612
15°	9709	9592	9657	9625	9608	2600
25°	2282	2368	2573	2308	2235	1092
35°	383	391	367	364	308	260
45°	101	125	125	125	102	71
55°	16	17	31	18	17	16
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18312.0	18312.0	18312.0	18312.0	18312.0
2.5°	18190.6	18178.0	18185.2	18194.2	18197.8
5°	17718.6	17701.5	17697.9	17734.8	17719.5
7.5°	16766.5	16742.2	16705.4	16789.0	16867.2
10°	15171.6	15144.6	15064.6	15104.1	15168.0
12.5°	12816.9	12729.7	12727.9	12853.8	12836.7
15°	9708.9	9592.0	9656.8	9625.3	9608.2
17.5°	6528.9	6484.0	6570.3	6544.2	6431.8
20°	4696.7	4708.4	4872.9	4790.2	4690.4
22.5°	3427.2	3469.5	3664.6	3451.5	3373.3
25°	2281.8	2368.1	2573.1	2307.9	2235.1
27.5°	1403.4	1443.0	1650.7	1385.4	1345.9
30°	873.0	853.2	951.2	816.3	760.6
32.5°	572.7	547.5	579.0	519.7	474.7
35°	383.0	391.1	366.8	364.1	307.5
37.5°	239.1	275.1	242.7	258.9	197.8
40°	154.6	199.6	171.7	189.7	145.6
42.5°	126.8	153.7	141.2	150.1	129.5
45°	100.7	125.0	125.0	125.0	101.6
47.5°	55.7	83.6	107.0	85.4	59.3
50°	31.5	42.3	82.7	44.1	33.3
52.5°	21.6	24.3	56.6	25.2	22.5
55°	16.2	17.1	30.6	18.0	17.1
57.5°	12.6	13.5	16.2	13.5	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
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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