

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: P769501

Luminaire Tested: LD6D65D010-EU6DR3055659024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769501
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: LD6D65D010-EU6DR3055659024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5570.9 lumens
Efficiency: N/A
Efficacy: 76.5 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

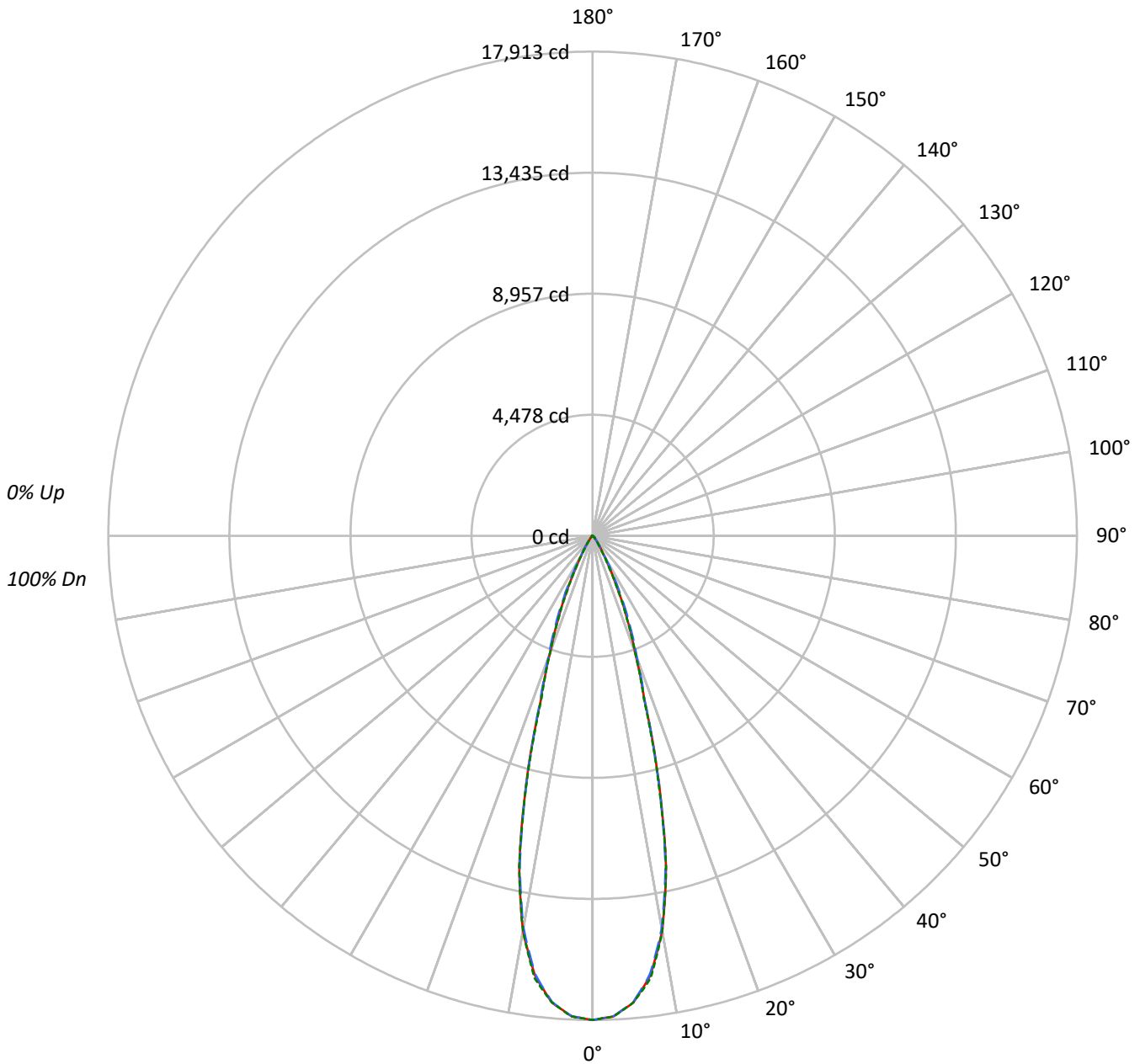
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1371137	1371137	1371137
5°	1331779	1330219	1331841
10°	1153520	1145383	1153248
15°	752616	748574	744810
20°	374240	388283	373735
25°	188515	212585	184655
30°	75481	82242	65758
35°	35013	33527	28107
40°	15118	16787	14239
45°	10662	13228	10760
50°	3668	9634	3870
55°	2108	3990	2229
60°	1485	1745	1485
65°	960	960	960
70°	582	403	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: 13228 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1575.2	28.3
10°-20°	2536.9	45.5
20°-30°	1096.3	19.7
30°-40°	249.9	4.5
40°-50°	85.8	1.5
50°-60°	20.9	0.4
60°-70°	5.4	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°	5208.3	93.5
0°-40°	5458.2	98.0
0°-60°	5564.9	99.9
0°-90°	5570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5570.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17913	17913	17913	17913	17913	
5°	17333	17316	17312	17349	17334	1576
15°	9498	9383	9446	9416	9399	2543
25°	2232	2316	2517	2258	2186	1068
35°	375	383	359	356	301	254
45°	98	122	122	122	99	70
55°	16	17	30	18	17	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17913.2	17913.2	17913.2	17913.2	17913.2
2.5°	17794.5	17782.2	17789.2	17798.0	17801.5
5°	17332.8	17316.0	17312.5	17348.6	17333.6
7.5°	16401.4	16377.6	16341.6	16423.4	16499.9
10°	14841.2	14814.8	14736.5	14775.2	14837.7
12.5°	12537.8	12452.5	12450.8	12573.9	12557.2
15°	9497.5	9383.2	9446.5	9415.7	9399.0
17.5°	6386.8	6342.8	6427.2	6401.7	6291.8
20°	4594.4	4605.8	4766.8	4685.9	4588.2
22.5°	3352.6	3393.9	3584.8	3376.3	3299.8
25°	2232.1	2316.5	2517.1	2257.6	2186.4
27.5°	1372.9	1411.6	1614.7	1355.3	1316.6
30°	854.0	834.6	930.5	798.6	744.0
32.5°	560.2	535.6	566.4	508.3	464.4
35°	374.7	382.6	358.8	356.2	300.8
37.5°	233.9	269.1	237.5	253.3	193.5
40°	151.3	195.2	168.0	185.6	142.5
42.5°	124.0	150.4	138.1	146.9	126.6
45°	98.5	122.2	122.2	122.2	99.4
47.5°	54.5	81.8	104.7	83.6	58.0
50°	30.8	41.3	80.9	43.1	32.5
52.5°	21.1	23.7	55.4	24.6	22.0
55°	15.8	16.7	29.9	17.6	16.7
57.5°	12.3	13.2	15.8	13.2	12.3
60°	9.7	9.7	11.4	10.6	9.7
62.5°	7.0	7.0	7.9	7.0	7.0
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.8	1.8	1.8	2.6
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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