

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: P771103

Luminaire Tested: LD6D75BD010-EU6DR3070959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771103
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: LD6D75BD010-EU6DR3070959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8048.6 lumens
Efficiency: N/A
Efficacy: 111.2 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

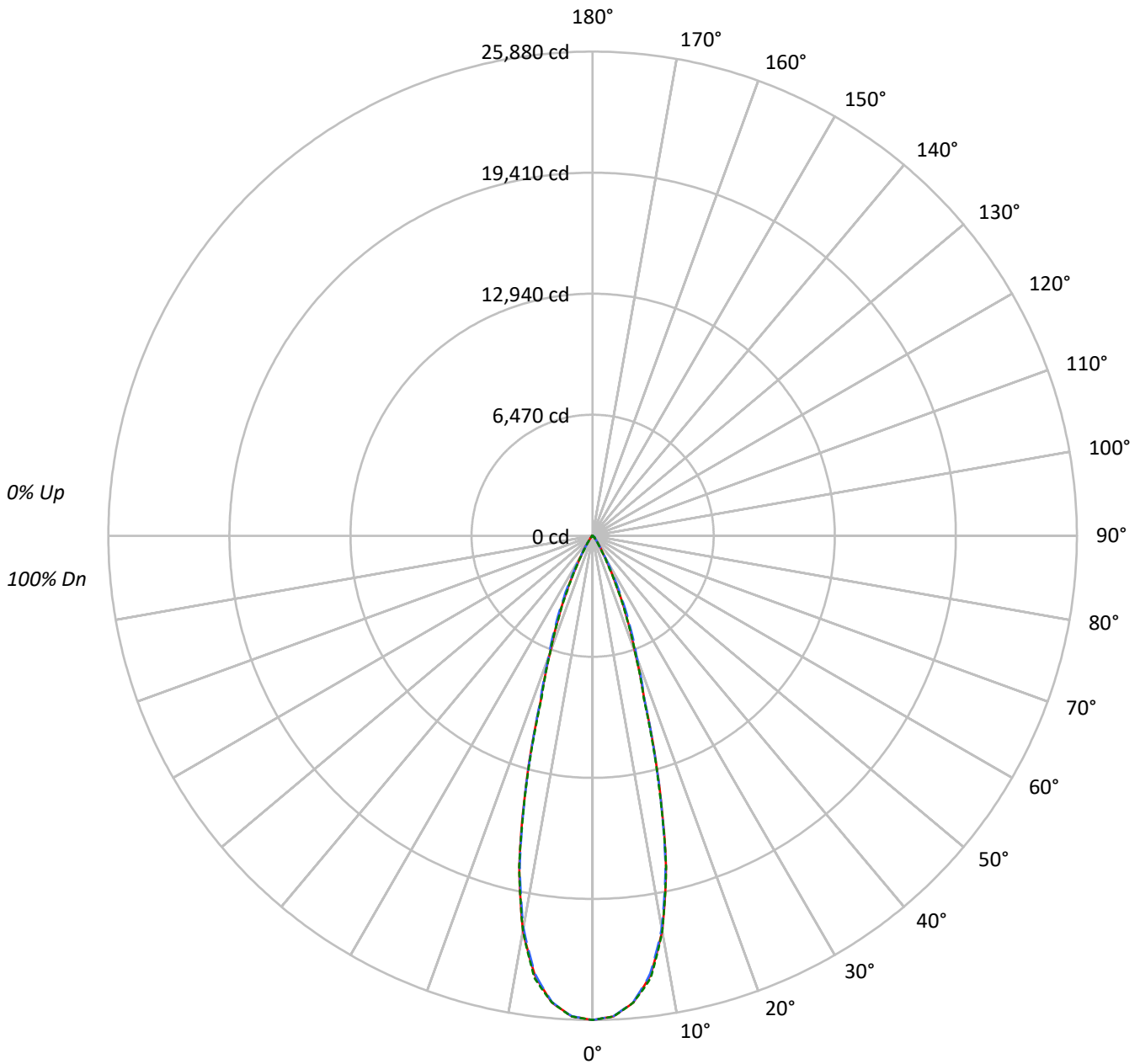
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1980958	1980958	1980958
5°	1924091	1921840	1924183
10°	1666555	1654803	1666158
15°	1087340	1081500	1076064
20°	540687	560970	539962
25°	272363	307125	266781
30°	109049	118816	95014
35°	50580	48440	40610
40°	21833	24251	20564
45°	15404	19117	15545
50°	5299	13920	5597
55°	3056	5765	3216
60°	2143	2526	2143
65°	1376	1376	1376
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19117 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2275.8	28.3
10°-20°	3665.1	45.5
20°-30°	1583.8	19.7
30°-40°	361.0	4.5
40°-50°	124.0	1.5
50°-60°	30.3	0.4
60°-70°	7.8	0.1
70°-80°	0.8	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°	7524.7	93.5
0°-40°	7885.7	98.0
0°-60°	8039.9	99.9
0°-90°	8048.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8048.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25880	25880	25880	25880	25880	
5°	25042	25017	25012	25064	25043	2278
15°	13722	13556	13648	13603	13579	3674
25°	3225	3347	3636	3262	3159	1544
35°	541	553	518	515	435	367
45°	142	177	177	177	144	101
55°	23	24	43	25	24	22
65°	8	8	8	8	8	7
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°	25880.2	25880.2	25880.2	25880.2	25880.2
2.5°	25708.6	25690.8	25701.0	25713.7	25718.8
5°	25041.6	25017.4	25012.3	25064.4	25042.8
7.5°	23696.0	23661.6	23609.6	23727.7	23838.3
10°	21441.9	21403.7	21290.7	21346.6	21436.8
12.5°	18114.1	17990.8	17988.3	18166.2	18142.0
15°	13721.5	13556.3	13647.8	13603.4	13579.2
17.5°	9227.3	9163.8	9285.8	9248.9	9090.1
20°	6637.8	6654.3	6886.8	6769.9	6628.9
22.5°	4843.6	4903.4	5179.1	4877.9	4767.4
25°	3224.9	3346.8	3636.5	3261.7	3158.8
27.5°	1983.5	2039.4	2332.9	1958.0	1902.1
30°	1233.8	1205.8	1344.3	1153.7	1075.0
32.5°	809.4	773.8	818.3	734.4	670.9
35°	541.3	552.7	518.4	514.6	434.6
37.5°	338.0	388.8	343.1	365.9	279.5
40°	218.5	282.1	242.7	268.1	205.8
42.5°	179.2	217.3	199.5	212.2	183.0
45°	142.3	176.6	176.6	176.6	143.6
47.5°	78.8	118.2	151.2	120.7	83.9
50°	44.5	59.7	116.9	62.3	47.0
52.5°	30.5	34.3	80.0	35.6	31.8
55°	22.9	24.1	43.2	25.4	24.1
57.5°	17.8	19.1	22.9	19.1	17.8
60°	14.0	14.0	16.5	15.2	14.0
62.5°	10.2	10.2	11.4	10.2	10.2
65°	7.6	7.6	7.6	7.6	7.6
67.5°	3.8	5.1	5.1	5.1	5.1
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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