

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: P770284

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770284
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: LD6D70BD010-EU6DR3070959027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6987.9 lumens
Efficiency: N/A
Efficacy: 104.9 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

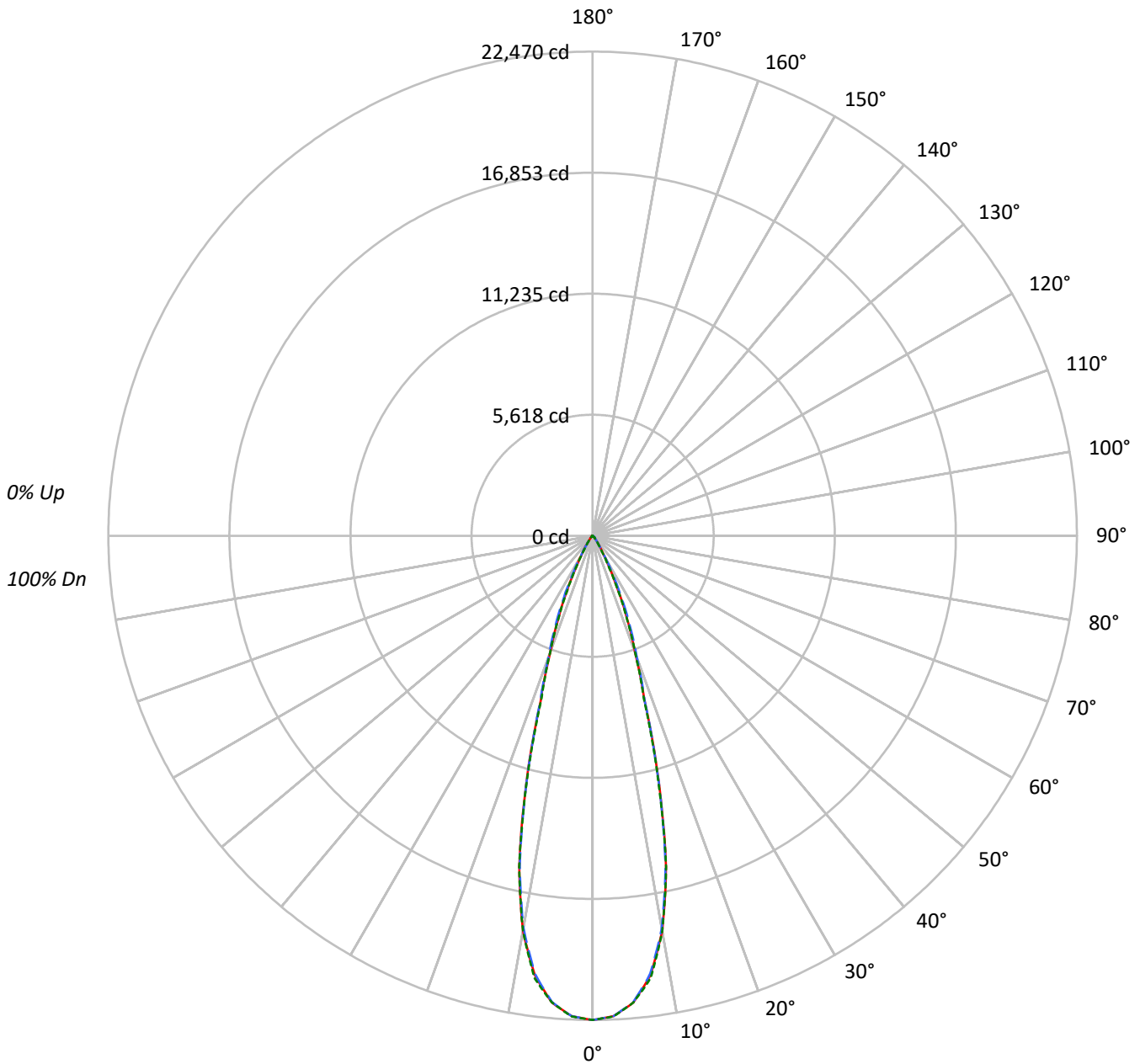
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1719899	1719899	1719899
5°	1670525	1668581	1670610
10°	1446929	1436724	1446587
15°	944052	938981	934258
20°	469430	487049	468802
25°	236469	266654	231621
30°	94678	103163	82489
35°	43918	42058	35256
40°	18955	21053	17856
45°	13380	16595	13499
50°	4597	12087	4858
55°	2656	5004	2802
60°	1852	2189	1852
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16595 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1975.9	28.3
10°-20°	3182.2	45.5
20°-30°	1375.1	19.7
30°-40°	313.4	4.5
40°-50°	107.6	1.5
50°-60°	26.3	0.4
60°-70°	6.8	0.1
70°-80°	0.7	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°	6533.1	93.5
0°-40°	6846.5	98.0
0°-60°	6980.4	99.9
0°-90°	6987.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6987.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22470	22470	22470	22470	22470	
5°	21742	21721	21716	21761	21743	1977
15°	11913	11770	11849	11811	11790	3190
25°	2800	2906	3157	2832	2742	1340
35°	470	480	450	447	377	319
45°	124	153	153	153	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	6
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°	22469.6	22469.6	22469.6	22469.6	22469.6
2.5°	22320.7	22305.3	22314.1	22325.1	22329.5
5°	21741.5	21720.6	21716.2	21761.4	21742.6
7.5°	20573.3	20543.5	20498.2	20600.8	20696.8
10°	18616.2	18583.1	18484.9	18533.5	18611.8
12.5°	15727.0	15620.0	15617.8	15772.2	15751.2
15°	11913.3	11769.9	11849.3	11810.7	11789.7
17.5°	8011.3	7956.2	8062.1	8030.1	7892.2
20°	5763.0	5777.4	5979.3	5877.8	5755.3
22.5°	4205.3	4257.2	4496.6	4235.1	4139.1
25°	2799.9	2905.8	3157.3	2831.9	2742.5
27.5°	1722.1	1770.6	2025.4	1700.0	1651.5
30°	1071.2	1046.9	1167.2	1001.7	933.3
32.5°	702.7	671.8	710.4	637.6	582.5
35°	470.0	479.9	450.1	446.8	377.3
37.5°	293.4	337.6	297.9	317.7	242.7
40°	189.7	244.9	210.7	232.8	178.7
42.5°	155.5	188.6	173.2	184.2	158.9
45°	123.6	153.3	153.3	153.3	124.7
47.5°	68.4	102.6	131.3	104.8	72.8
50°	38.6	51.8	101.5	54.1	40.8
52.5°	26.5	29.8	69.5	30.9	27.6
55°	19.9	21.0	37.5	22.1	21.0
57.5°	15.4	16.5	19.9	16.5	15.4
60°	12.1	12.1	14.3	13.2	12.1
62.5°	8.8	8.8	9.9	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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