

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: P770309

Luminaire Tested: LD6D70BD010-EU6DR3070959035-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770309
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-EU6DR3070959035-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

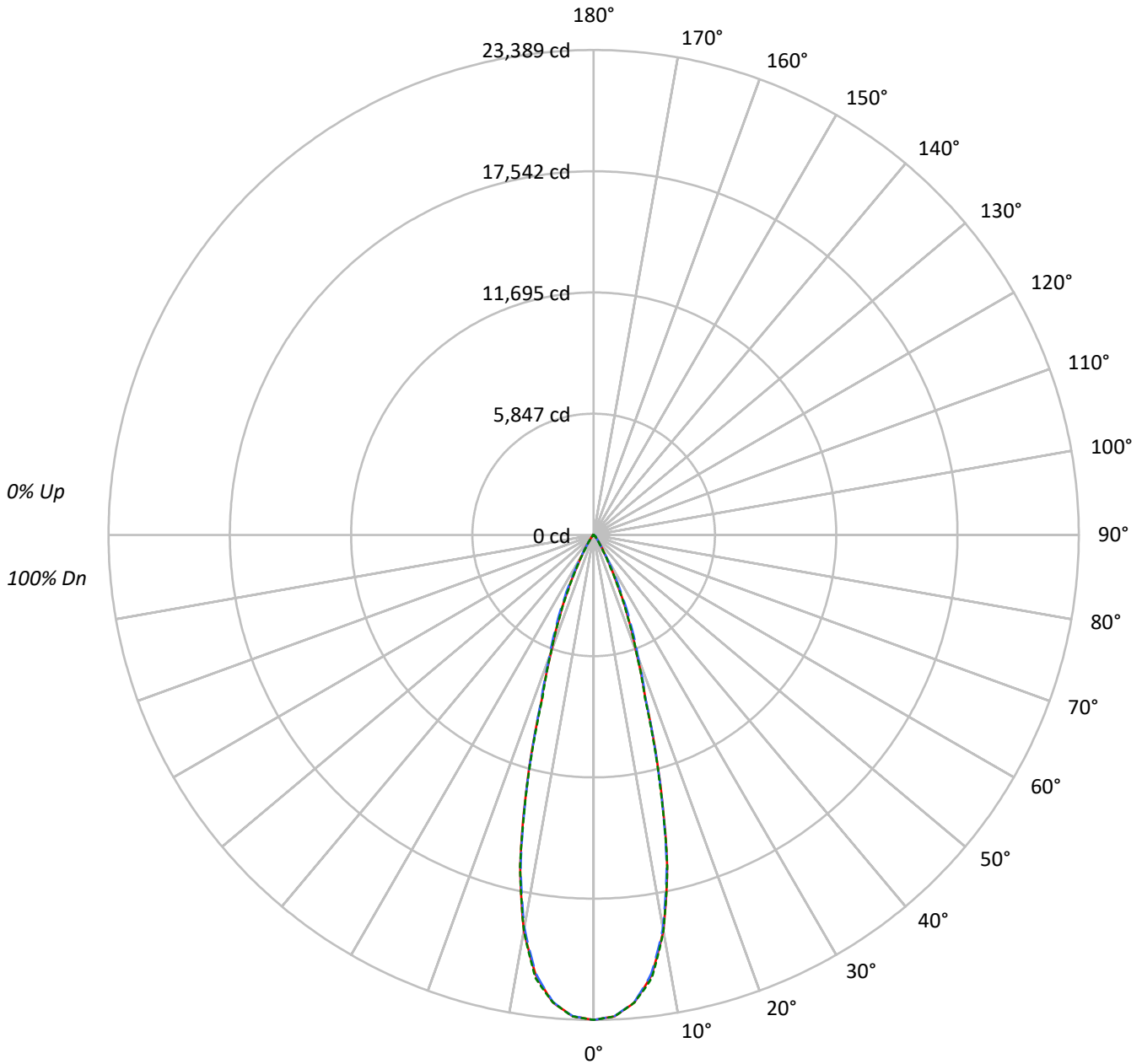
Lumens per Lamp: N/A
Luminaire Lumens: 7273.8 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1790258	1790258	1790258
5°	1738863	1736834	1738955
10°	1506124	1495499	1505766
15°	982668	977390	972477
20°	488637	506964	487977
25°	246139	277566	241097
30°	98549	107379	85866
35°	45712	43778	36695
40°	19734	21913	18585
45°	13921	17276	14051
50°	4787	12575	5061
55°	2762	5205	2909
60°	1929	2281	1929
65°	1250	1250	1250
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17276 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2056.7	28.3
10°-20°	3312.3	45.5
20°-30°	1431.3	19.7
30°-40°	326.2	4.5
40°-50°	112.0	1.5
50°-60°	27.4	0.4
60°-70°	7.1	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°	6800.3	93.5
0°-40°	7126.6	98.0
0°-60°	7266.0	99.9
0°-90°	7273.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7273.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23389	23389	23389	23389	23389	
5°	22631	22609	22604	22652	22632	2058
15°	12401	12251	12334	12294	12272	3320
25°	2914	3025	3286	2948	2855	1395
35°	489	500	468	465	393	332
45°	129	160	160	160	130	91
55°	21	22	39	23	22	20
65°	7	7	7	7	7	7
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°	23388.8	23388.8	23388.8	23388.8	23388.8
2.5°	23233.8	23217.7	23226.9	23238.4	23243.0
5°	22630.9	22609.1	22604.5	22651.6	22632.1
7.5°	21414.9	21383.9	21336.8	21443.6	21543.5
10°	19377.8	19343.3	19241.1	19291.6	19373.2
12.5°	16370.3	16258.9	16256.6	16417.4	16395.6
15°	12400.6	12251.3	12334.0	12293.8	12272.0
17.5°	8339.0	8281.6	8391.9	8358.6	8215.0
20°	5998.8	6013.7	6223.8	6118.2	5990.7
22.5°	4377.4	4431.3	4680.5	4408.4	4308.5
25°	2914.4	3024.7	3286.5	2947.7	2854.7
27.5°	1792.5	1843.0	2108.3	1769.5	1719.0
30°	1115.0	1089.7	1214.9	1042.7	971.5
32.5°	731.5	699.3	739.5	663.7	606.3
35°	489.2	499.5	468.5	465.1	392.7
37.5°	305.5	351.4	310.0	330.7	252.6
40°	197.5	254.9	219.3	242.3	186.0
42.5°	161.9	196.4	180.3	191.8	165.4
45°	128.6	159.6	159.6	159.6	129.8
47.5°	71.2	106.8	136.6	109.1	75.8
50°	40.2	54.0	105.6	56.3	42.5
52.5°	27.6	31.0	72.3	32.2	28.7
55°	20.7	21.8	39.0	23.0	21.8
57.5°	16.1	17.2	20.7	17.2	16.1
60°	12.6	12.6	14.9	13.8	12.6
62.5°	9.2	9.2	10.3	9.2	9.2
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.4	4.6	4.6	4.6	4.6
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	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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