

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: P770322

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770322
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-EU6DR3070959040-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7613.8 lumens
Efficiency: N/A
Efficacy: 114.3 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')

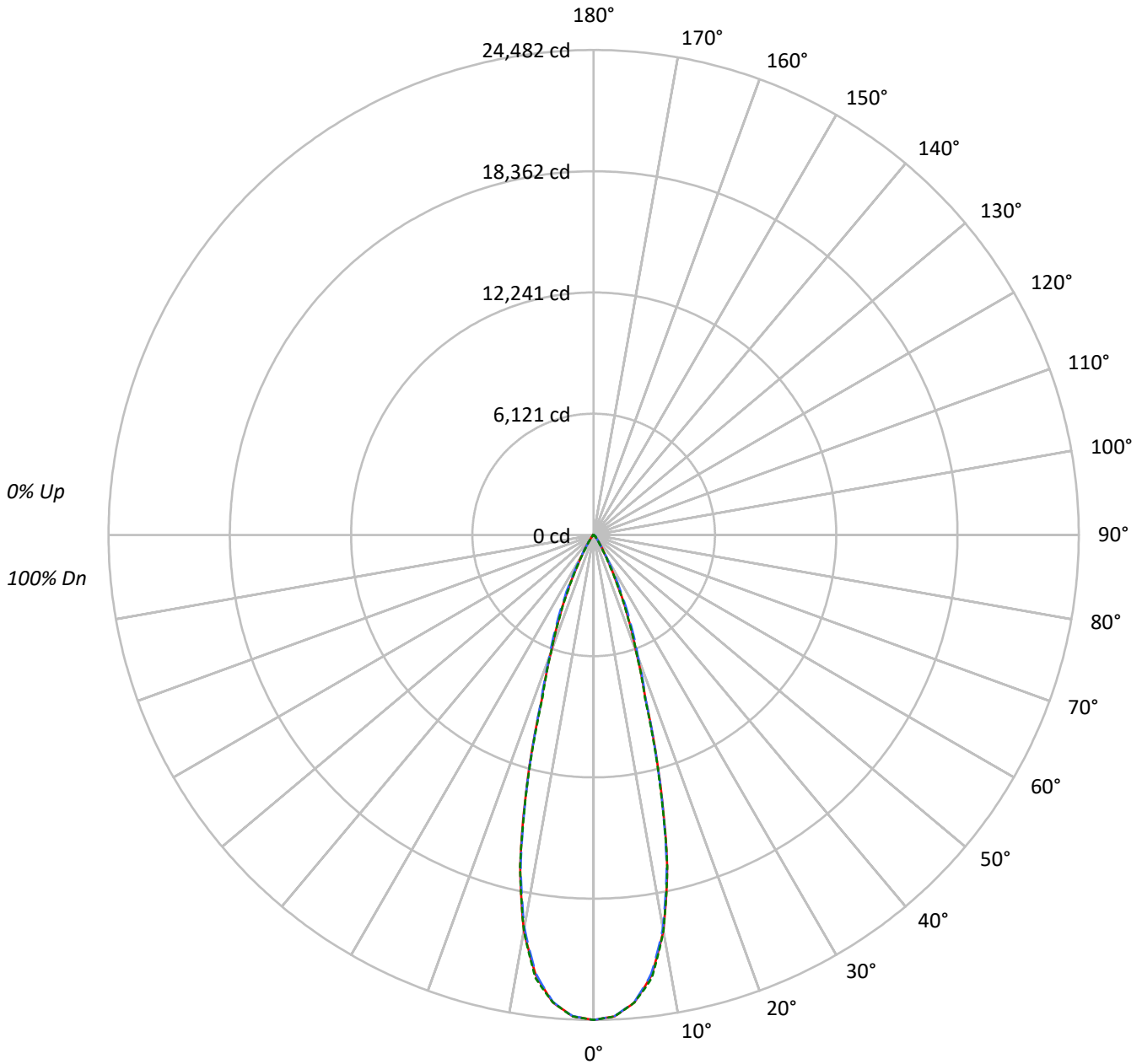
CIE Type: Direct

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°	1873958	1873958	1873958
5°	1820163	1818034	1820255
10°	1576534	1565420	1576161
15°	1028613	1023090	1017939
20°	511477	530668	510793
25°	257651	290538	252372
30°	103154	112399	89878
35°	47852	45824	38414
40°	20654	22942	19454
45°	14570	18088	14700
50°	5013	13170	5299
55°	2883	5458	3043
60°	2021	2388	2021
65°	1304	1304	1304
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18088 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2152.8	28.3
10°-20°	3467.2	45.5
20°-30°	1498.3	19.7
30°-40°	341.5	4.5
40°-50°	117.2	1.5
50°-60°	28.6	0.4
60°-70°	7.4	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°	7118.3	93.5
0°-40°	7459.8	98.0
0°-60°	7605.6	99.9
0°-90°	7613.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7613.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24482	24482	24482	24482	24482	
5°	23689	23666	23661	23711	23690	2155
15°	12980	12824	12911	12869	12846	3476
25°	3051	3166	3440	3086	2988	1460
35°	512	523	490	487	411	347
45°	135	167	167	167	136	96
55°	22	23	41	24	23	21
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°	24482.3	24482.3	24482.3	24482.3	24482.3
2.5°	24320.0	24303.2	24312.8	24324.8	24329.6
5°	23689.0	23666.1	23661.3	23710.6	23690.2
7.5°	22416.1	22383.6	22334.3	22446.1	22550.7
10°	20283.7	20247.6	20140.7	20193.6	20278.9
12.5°	17135.7	17019.1	17016.7	17185.0	17162.1
15°	12980.4	12824.1	12910.7	12868.6	12845.7
17.5°	8728.9	8668.8	8784.2	8749.3	8599.1
20°	6279.2	6294.9	6514.8	6404.2	6270.8
22.5°	4582.0	4638.5	4899.3	4614.5	4509.9
25°	3050.7	3166.1	3440.1	3085.5	2988.2
27.5°	1876.3	1929.2	2206.9	1852.3	1799.4
30°	1167.1	1140.7	1271.7	1091.4	1016.9
32.5°	765.7	732.0	774.1	694.8	634.7
35°	512.1	522.9	490.4	486.8	411.1
37.5°	319.7	367.8	324.5	346.2	264.4
40°	206.7	266.8	229.6	253.6	194.7
42.5°	169.5	205.5	188.7	200.7	173.1
45°	134.6	167.1	167.1	167.1	135.8
47.5°	74.5	111.8	143.0	114.2	79.3
50°	42.1	56.5	110.6	58.9	44.5
52.5°	28.8	32.5	75.7	33.7	30.0
55°	21.6	22.8	40.9	24.0	22.8
57.5°	16.8	18.0	21.6	18.0	16.8
60°	13.2	13.2	15.6	14.4	13.2
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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