

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: P771063

Luminaire Tested: LD6D75BD010-EU6DR3070959027-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771063
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-EU6DR3070959027-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384.6 lumens
Efficiency: N/A
Efficacy: 102.0 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')

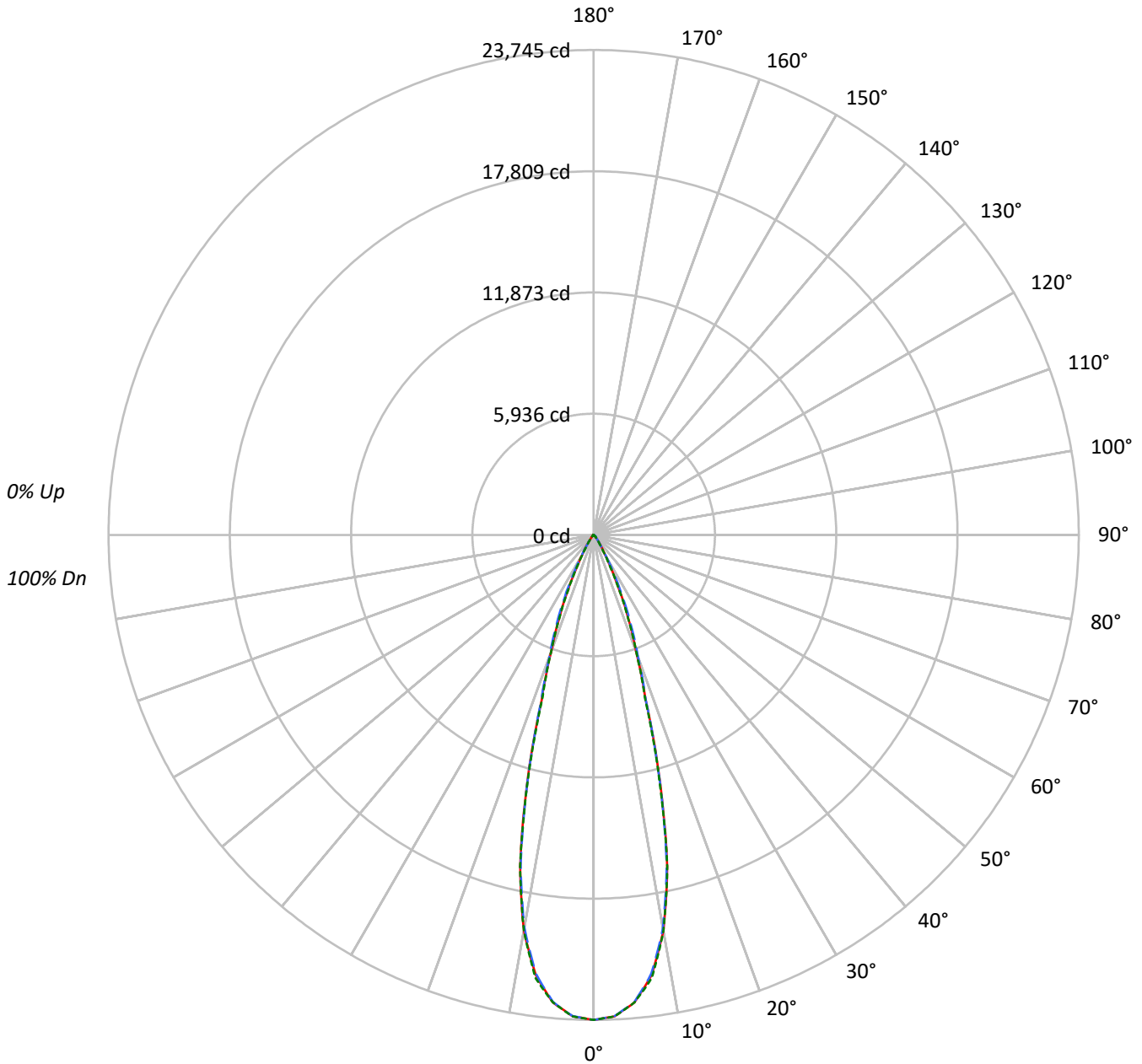
CIE Type: Direct

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	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°	1817531	1817531	1817531
5°	1765356	1763297	1765448
10°	1529068	1518280	1528703
15°	997637	992280	987295
20°	496082	514695	495414
25°	249889	281788	244771
30°	100051	109014	87174
35°	46403	44441	37255
40°	20034	22252	18875
45°	14137	17536	14256
50°	4858	12777	5132
55°	2802	5285	2963
60°	1960	2327	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2088.0	28.3
10°-20°	3362.8	45.5
20°-30°	1453.1	19.7
30°-40°	331.2	4.5
40°-50°	113.7	1.5
50°-60°	27.8	0.4
60°-70°	7.2	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°	6903.9	93.5
0°-40°	7235.1	98.0
0°-60°	7376.6	99.9
0°-90°	7384.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7384.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23745	23745	23745	23745	23745	
5°	22976	22954	22949	22997	22977	2090
15°	12590	12438	12522	12481	12459	3371
25°	2959	3071	3336	2993	2898	1416
35°	497	507	476	472	399	337
45°	131	162	162	162	132	93
55°	21	22	40	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°	23745.1	23745.1	23745.1	23745.1	23745.1
2.5°	23587.7	23571.4	23580.7	23592.4	23597.1
5°	22975.7	22953.5	22948.9	22996.7	22976.9
7.5°	21741.1	21709.6	21661.8	21770.2	21871.7
10°	19673.0	19638.0	19534.2	19585.5	19668.3
12.5°	16619.7	16506.6	16504.3	16667.5	16645.4
15°	12589.5	12438.0	12521.9	12481.1	12459.0
17.5°	8466.1	8407.8	8519.7	8485.9	8340.2
20°	6090.2	6105.3	6318.7	6211.4	6082.0
22.5°	4444.0	4498.8	4751.8	4475.5	4374.1
25°	2958.8	3070.7	3336.5	2992.6	2898.2
27.5°	1819.8	1871.1	2140.4	1796.5	1745.2
30°	1132.0	1106.3	1233.4	1058.6	986.3
32.5°	742.6	710.0	750.8	673.8	615.5
35°	496.6	507.1	475.6	472.2	398.7
37.5°	310.1	356.7	314.8	335.8	256.5
40°	200.5	258.8	222.7	246.0	188.9
42.5°	164.4	199.4	183.0	194.7	167.9
45°	130.6	162.0	162.0	162.0	131.7
47.5°	72.3	108.4	138.7	110.8	76.9
50°	40.8	54.8	107.3	57.1	43.1
52.5°	28.0	31.5	73.4	32.6	29.1
55°	21.0	22.2	39.6	23.3	22.2
57.5°	16.3	17.5	21.0	17.5	16.3
60°	12.8	12.8	15.2	14.0	12.8
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	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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