

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P774210

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774210
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: LD6D95BD010-EU6DR3070959035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10076.9 lumens
Efficiency: N/A
Efficacy: 101.6 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

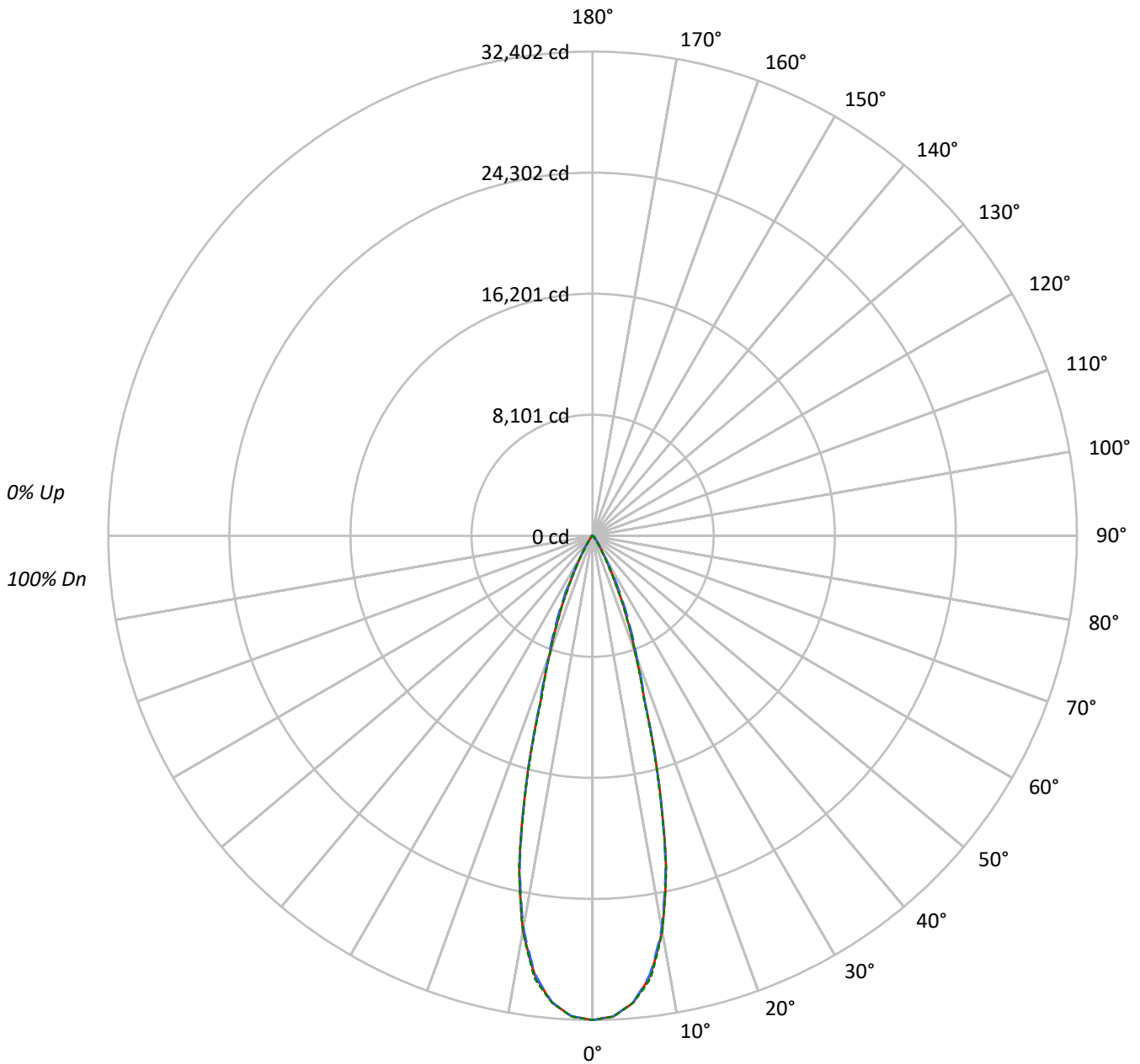
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2480159	2480159	2480159
5°	2408955	2406143	2409078
10°	2086522	2071809	2086032
15°	1361357	1354043	1347236
20°	676938	702336	676026
25°	340992	384521	334008
30°	136528	148760	118948
35°	63326	60653	50842
40°	27338	30356	25749
45°	19290	23934	19463
50°	6633	17433	7014
55°	3817	7220	4030
60°	2679	3169	2679
65°	1721	1721	1721
70°	1074	716	1074
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2849.3	28.3
10°-20°	4588.8	45.5
20°-30°	1982.9	19.7
30°-40°	452.0	4.5
40°-50°	155.2	1.5
50°-60°	37.9	0.4
60°-70°	9.8	0.1
70°-80°	1.0	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°	9421.0	93.5
0°-40°	9872.9	98.0
0°-60°	10066.0	99.9
0°-90°	10076.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10076.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32402	32402	32402	32402	32402	
5°	31352	31322	31315	31381	31354	2852
15°	17179	16972	17087	17031	17001	4600
25°	4038	4190	4553	4084	3955	1933
35°	678	692	649	644	544	460
45°	178	221	221	221	180	126
55°	29	30	54	32	30	28
65°	10	10	10	10	10	9
75°	0	0	2	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°	32402.0	32402.0	32402.0	32402.0	32402.0
2.5°	32187.2	32165.0	32177.7	32193.6	32199.9
5°	31352.0	31321.8	31315.4	31380.7	31353.6
7.5°	29667.4	29624.4	29559.2	29707.1	29845.5
10°	26845.2	26797.5	26655.9	26725.9	26838.9
12.5°	22678.8	22524.5	22521.4	22744.1	22713.8
15°	17179.4	16972.5	17087.1	17031.4	17001.2
17.5°	11552.6	11473.1	11625.8	11579.6	11380.8
20°	8310.5	8331.2	8622.3	8475.9	8299.3
22.5°	6064.2	6139.0	6484.2	6107.2	5968.8
25°	4037.5	4190.2	4552.9	4083.7	3954.8
27.5°	2483.3	2553.3	2920.8	2451.5	2381.5
30°	1544.7	1509.7	1683.1	1444.5	1345.8
32.5°	1013.4	968.8	1024.5	919.5	840.0
35°	677.7	692.0	649.1	644.3	544.1
37.5°	423.2	486.8	429.5	458.2	350.0
40°	273.6	353.2	303.8	335.7	257.7
42.5°	224.3	272.0	249.8	265.7	229.1
45°	178.2	221.1	221.1	221.1	179.8
47.5°	98.6	147.9	189.3	151.1	105.0
50°	55.7	74.8	146.4	78.0	58.9
52.5°	38.2	43.0	100.2	44.5	39.8
55°	28.6	30.2	54.1	31.8	30.2
57.5°	22.3	23.9	28.6	23.9	22.3
60°	17.5	17.5	20.7	19.1	17.5
62.5°	12.7	12.7	14.3	12.7	12.7
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.8	6.4	6.4	6.4	6.4
70°	4.8	3.2	3.2	3.2	4.8
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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