

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: P756158

Luminaire Tested: LD4D95BD010-EU4DR3070959040-4LBCSSQMMS

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3070959040-4LBCSSQMMMS
Description: 4 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: 8304.2 lumens
Efficiency: N/A
Efficacy: 83.7 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

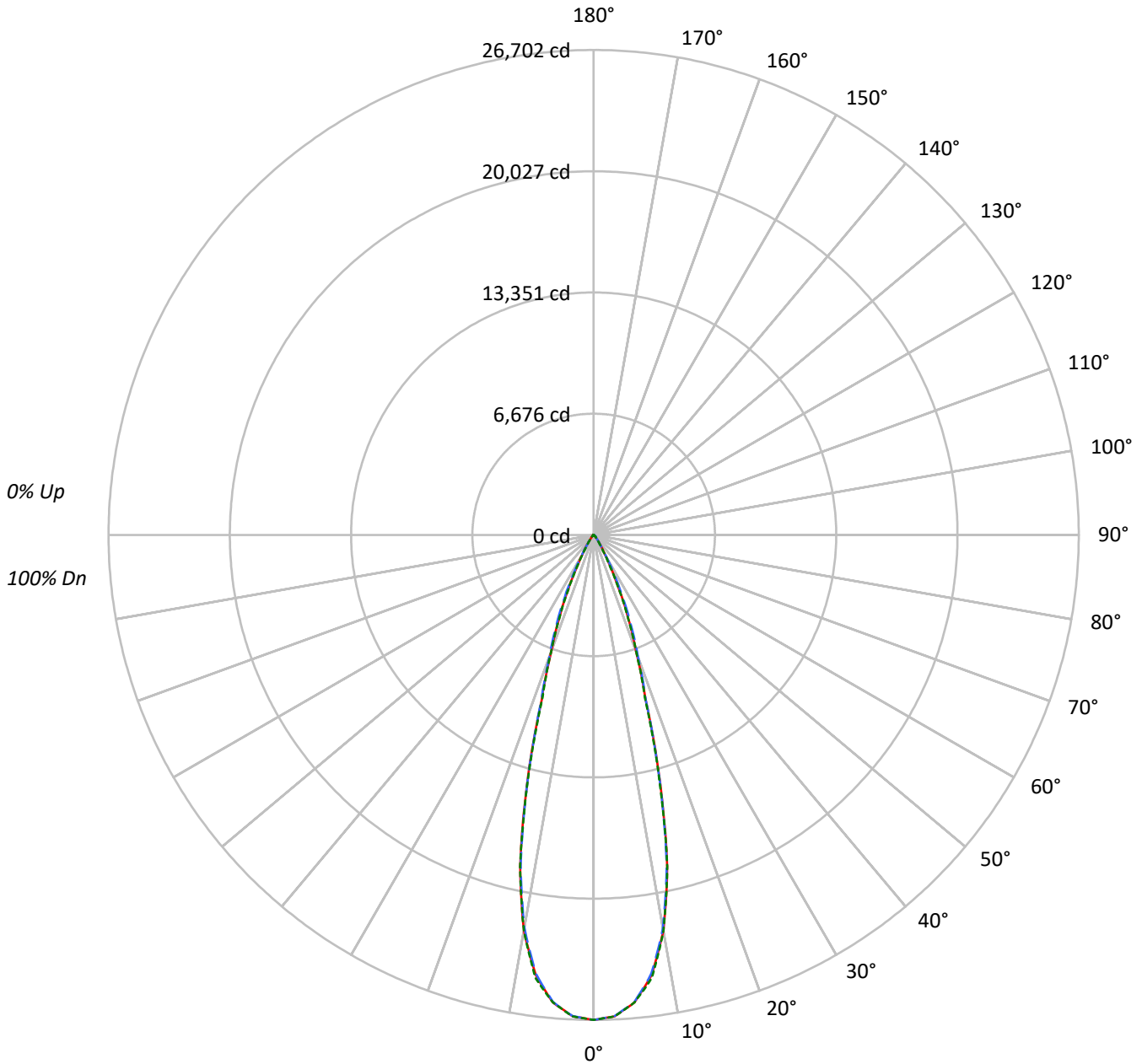
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2043862	2043862	2043862
5°	1985183	1982870	1985283
10°	1719469	1707344	1719065
15°	1121867	1115844	1110234
20°	557850	578784	557109
25°	281011	316880	275252
30°	112514	122590	98027
35°	52187	49982	41899
40°	22532	25020	21223
45°	15891	19723	16032
50°	5466	14361	5775
55°	3149	5952	3323
60°	2204	2602	2204
65°	1431	1431	1431
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2348.0	28.3
10°-20°	3781.5	45.5
20°-30°	1634.1	19.7
30°-40°	372.5	4.5
40°-50°	127.9	1.5
50°-60°	31.2	0.4
60°-70°	8.1	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°	7763.7	93.5
0°-40°	8136.1	98.0
0°-60°	8295.2	99.9
0°-90°	8304.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8304.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26702	26702	26702	26702	26702	
5°	25837	25812	25807	25860	25838	2350
15°	14157	13987	14081	14035	14010	3791
25°	3327	3453	3752	3365	3259	1593
35°	558	570	535	531	448	379
45°	147	182	182	182	148	104
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
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°	26702.0	26702.0	26702.0	26702.0	26702.0
2.5°	26525.0	26506.6	26517.1	26530.2	26535.5
5°	25836.7	25811.8	25806.6	25860.3	25838.0
7.5°	24448.4	24413.0	24359.3	24481.2	24595.2
10°	22122.7	22083.4	21966.7	22024.4	22117.5
12.5°	18689.3	18562.1	18559.5	18743.0	18718.1
15°	14157.2	13986.8	14081.2	14035.3	14010.4
17.5°	9520.3	9454.8	9580.6	9542.6	9378.7
20°	6848.5	6865.6	7105.5	6984.9	6839.4
22.5°	4997.4	5059.1	5343.5	5032.8	4918.8
25°	3327.3	3453.1	3752.0	3365.3	3259.1
27.5°	2046.4	2104.1	2407.0	2020.2	1962.5
30°	1273.0	1244.1	1387.0	1190.4	1109.1
32.5°	835.1	798.4	844.3	757.7	692.2
35°	558.5	570.3	534.9	530.9	448.4
37.5°	348.7	401.2	354.0	377.6	288.4
40°	225.5	291.0	250.4	276.6	212.4
42.5°	184.8	224.2	205.8	218.9	188.8
45°	146.8	182.2	182.2	182.2	148.1
47.5°	81.3	121.9	156.0	124.5	86.5
50°	45.9	61.6	120.6	64.2	48.5
52.5°	31.5	35.4	82.6	36.7	32.8
55°	23.6	24.9	44.6	26.2	24.9
57.5°	18.4	19.7	23.6	19.7	18.4
60°	14.4	14.4	17.0	15.7	14.4
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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