

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: P756182

Luminaire Tested: LD4D95BD010-EU4DR3070959050-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756182
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-EU4DR3070959050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

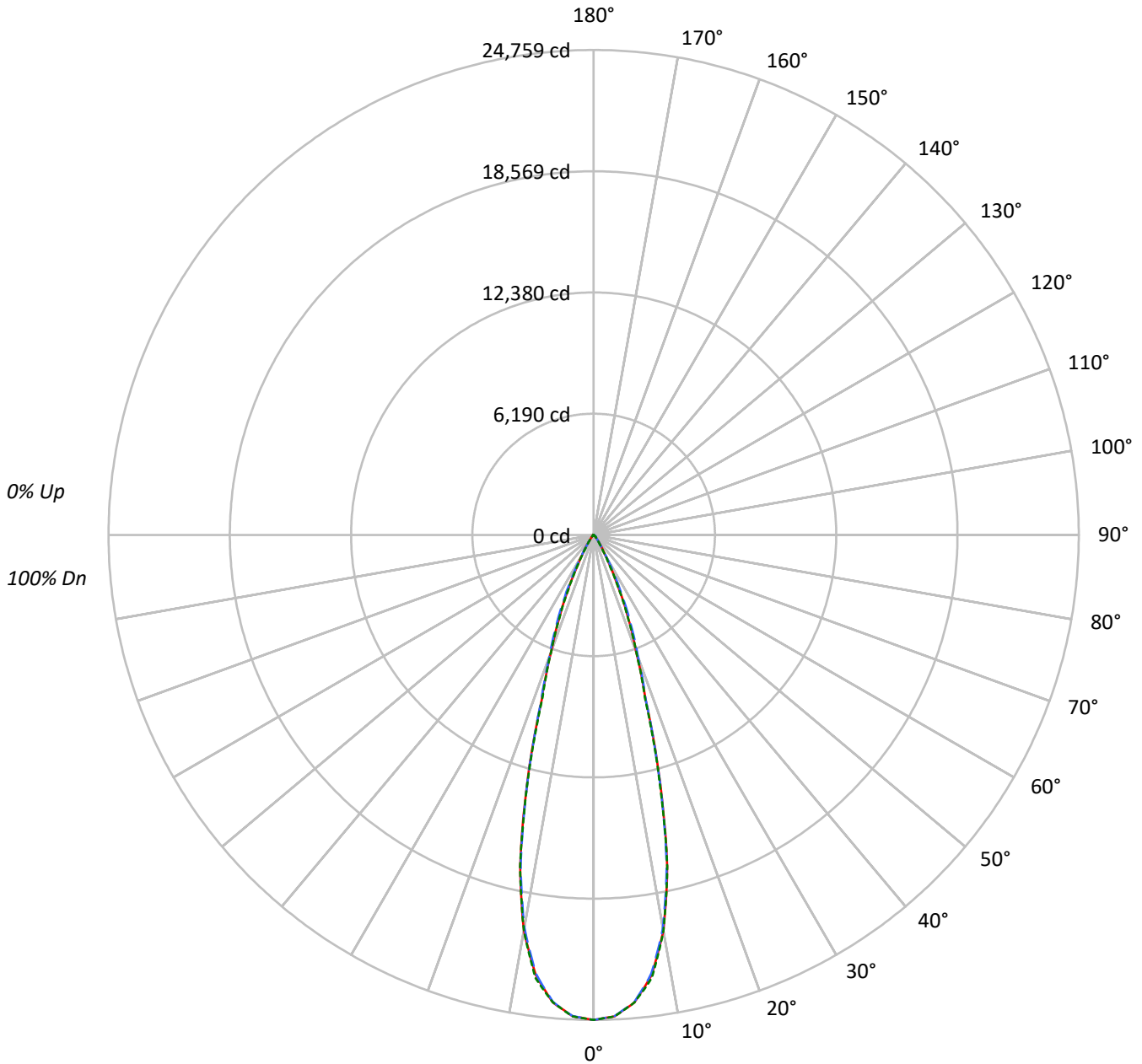
Lumens per Lamp: N/A
Luminaire Lumens: 7700.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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	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°	1895153	1895153	1895153
5°	1840747	1838603	1840847
10°	1594372	1583125	1593991
15°	1040246	1034659	1029461
20°	517269	536671	516576
25°	260565	293823	255227
30°	104320	113672	90895
35°	48384	46347	38844
40°	20893	23201	19674
45°	14733	18294	14873
50°	5061	13313	5359
55°	2923	5511	3083
60°	2051	2419	2051
65°	1322	1322	1322
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: 18294 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2177.2	28.3
10°-20°	3506.4	45.5
20°-30°	1515.2	19.7
30°-40°	345.3	4.5
40°-50°	118.6	1.5
50°-60°	29.0	0.4
60°-70°	7.5	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°	7198.8	93.5
0°-40°	7544.2	98.0
0°-60°	7691.7	99.9
0°-90°	7700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24759	24759	24759	24759	24759	
5°	23957	23934	23929	23979	23958	2179
15°	13127	12969	13057	13014	12991	3515
25°	3085	3202	3479	3120	3022	1477
35°	518	529	496	492	416	351
45°	136	169	169	169	137	97
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°	24759.2	24759.2	24759.2	24759.2	24759.2
2.5°	24595.1	24578.1	24587.8	24600.0	24604.9
5°	23956.9	23933.8	23929.0	23978.8	23958.2
7.5°	22669.6	22636.8	22587.0	22700.0	22805.8
10°	20513.2	20476.7	20368.5	20422.0	20508.3
12.5°	17329.5	17211.6	17209.2	17379.4	17356.3
15°	13127.2	12969.2	13056.7	13014.2	12991.1
17.5°	8827.6	8766.9	8883.6	8848.3	8696.4
20°	6350.3	6366.1	6588.5	6476.7	6341.8
22.5°	4633.8	4691.0	4954.8	4666.7	4560.9
25°	3085.2	3201.9	3479.0	3120.4	3022.0
27.5°	1897.5	1951.0	2231.8	1873.2	1819.7
30°	1180.3	1153.6	1286.1	1103.8	1028.4
32.5°	774.3	740.3	782.8	702.6	641.8
35°	517.8	528.8	496.0	492.3	415.7
37.5°	323.3	372.0	328.2	350.1	267.4
40°	209.1	269.9	232.2	256.5	196.9
42.5°	171.4	207.9	190.8	203.0	175.0
45°	136.1	169.0	169.0	169.0	137.4
47.5°	75.4	113.1	144.7	115.5	80.2
50°	42.5	57.1	111.8	59.6	45.0
52.5°	29.2	32.8	76.6	34.0	30.4
55°	21.9	23.1	41.3	24.3	23.1
57.5°	17.0	18.2	21.9	18.2	17.0
60°	13.4	13.4	15.8	14.6	13.4
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.9	4.9	4.9	4.9
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

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Scaled Data Report





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

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