

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: P756120

Luminaire Tested: LD4D95BD010-EU4DR3070959027-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756120
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-EU4DR3070959027-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7621.5 lumens
Efficiency: N/A
Efficacy: 76.8 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

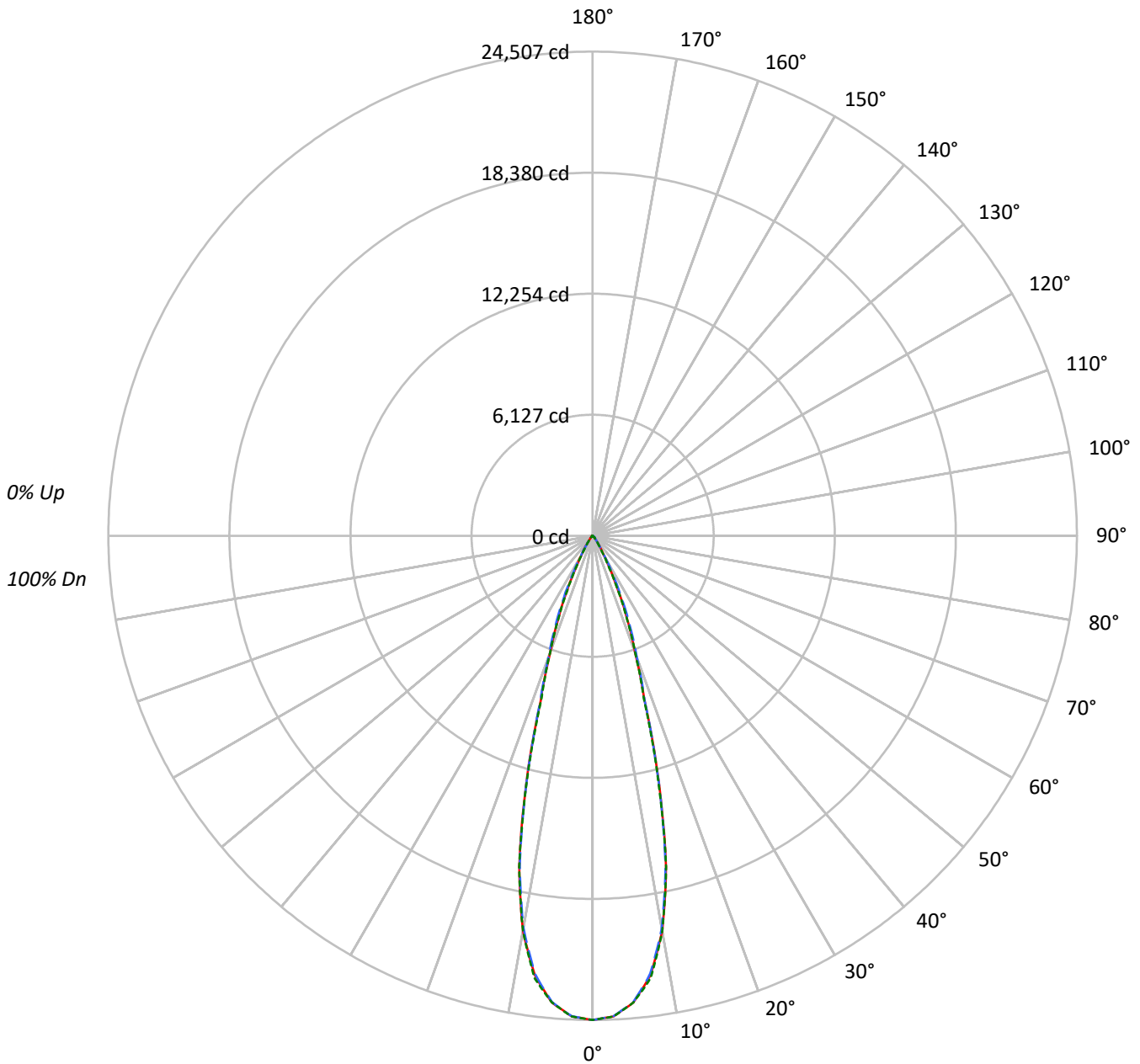
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1875834	1875834	1875834
5°	1821984	1819863	1822076
10°	1578120	1566990	1577739
15°	1029643	1024112	1018961
20°	511990	531206	511306
25°	257904	290834	252626
30°	103260	112514	89967
35°	47898	45871	38451
40°	20684	22962	19474
45°	14592	18099	14722
50°	5013	13182	5299
55°	2896	5458	3056
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: 18099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2155.0	28.3
10°-20°	3470.7	45.5
20°-30°	1499.8	19.7
30°-40°	341.8	4.5
40°-50°	117.4	1.5
50°-60°	28.7	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°	7125.4	93.5
0°-40°	7467.3	98.0
0°-60°	7613.3	99.9
0°-90°	7621.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7621.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24507	24507	24507	24507	24507	
5°	23713	23690	23685	23734	23714	2157
15°	12993	12837	12924	12882	12859	3479
25°	3054	3169	3444	3089	2991	1462
35°	513	523	491	487	412	348
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°	24506.8	24506.8	24506.8	24506.8	24506.8
2.5°	24344.4	24327.6	24337.2	24349.2	24354.0
5°	23712.7	23689.9	23685.1	23734.4	23713.9
7.5°	22438.5	22406.0	22356.7	22468.6	22573.3
10°	20304.1	20268.0	20160.9	20213.8	20299.2
12.5°	17152.9	17036.2	17033.7	17202.2	17179.3
15°	12993.4	12837.0	12923.6	12881.5	12858.6
17.5°	8737.7	8677.5	8793.0	8758.1	8607.7
20°	6285.5	6301.2	6521.4	6410.7	6277.1
22.5°	4586.6	4643.2	4904.3	4619.1	4514.4
25°	3053.7	3169.2	3443.6	3088.6	2991.2
27.5°	1878.2	1931.1	2209.1	1854.1	1801.2
30°	1168.3	1141.8	1273.0	1092.5	1017.9
32.5°	766.4	732.8	774.9	695.5	635.3
35°	512.6	523.4	490.9	487.3	411.5
37.5°	320.1	368.2	324.9	346.5	264.7
40°	207.0	267.1	229.8	253.9	194.9
42.5°	169.7	205.7	188.9	200.9	173.3
45°	134.8	167.2	167.2	167.2	136.0
47.5°	74.6	111.9	143.2	114.3	79.4
50°	42.1	56.6	110.7	59.0	44.5
52.5°	28.9	32.5	75.8	33.7	30.1
55°	21.7	22.9	40.9	24.1	22.9
57.5°	16.8	18.0	21.7	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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