

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: P756107

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756107
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-EU4DR3070959024-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6728.1 lumens
Efficiency: N/A
Efficacy: 67.8 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

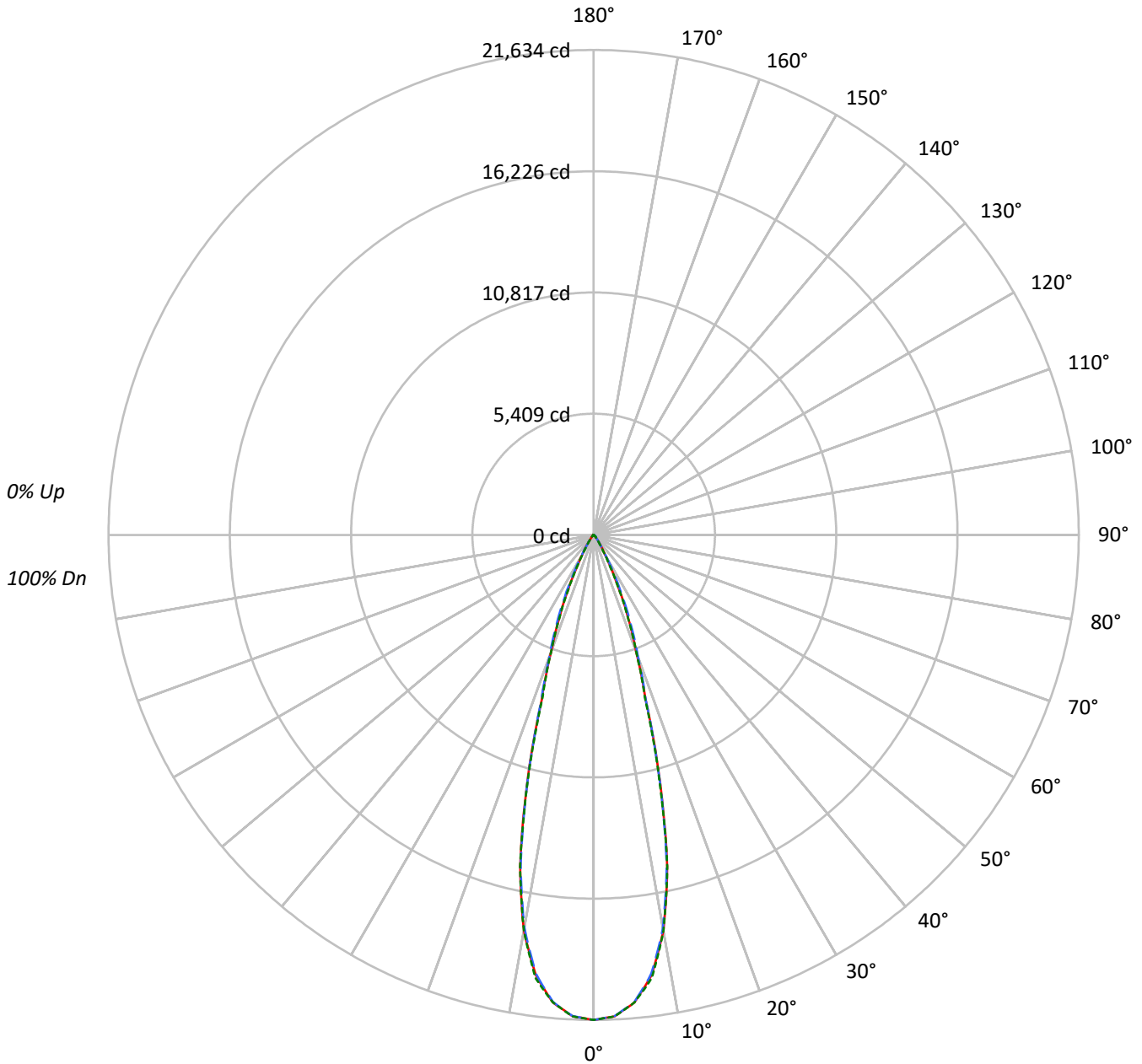
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P756107

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P756107

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBCSSQMW

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°	1655955	1655955	1655955
5°	1608419	1606544	1608503
10°	1393136	1383312	1392802
15°	908955	904074	899525
20°	451982	468941	451371
25°	227677	256739	223015
30°	91160	99327	79422
35°	42283	40498	33948
40°	18255	20274	17196
45°	12882	15978	12990
50°	4430	11634	4680
55°	2549	4818	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15978 cd/sqm



TEST NUMBER: P756107

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1902.4	28.3
10°-20°	3063.8	45.5
20°-30°	1324.0	19.7
30°-40°	301.8	4.5
40°-50°	103.6	1.5
50°-60°	25.3	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6290.2	93.5
0°-40°	6592.0	98.0
0°-60°	6720.9	99.9
0°-90°	6728.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21634	21634	21634	21634	21634	
5°	20933	20913	20909	20952	20934	1904
15°	11470	11332	11409	11372	11351	3071
25°	2696	2798	3040	2727	2641	1290
35°	452	462	433	430	363	307
45°	119	148	148	148	120	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P756107

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21634.2	21634.2	21634.2	21634.2	21634.2
2.5°	21490.9	21476.0	21484.5	21495.1	21499.3
5°	20933.2	20913.0	20908.8	20952.3	20934.3
7.5°	19808.4	19779.7	19736.2	19834.9	19927.3
10°	17924.1	17892.2	17797.7	17844.4	17919.8
12.5°	15142.3	15039.2	15037.1	15185.8	15165.6
15°	11470.4	11332.3	11408.8	11371.6	11351.4
17.5°	7713.5	7660.4	7762.3	7731.5	7598.8
20°	5548.8	5562.6	5757.0	5659.2	5541.3
22.5°	4049.0	4098.9	4329.4	4077.7	3985.3
25°	2695.8	2797.8	3039.9	2726.6	2640.6
27.5°	1658.0	1704.8	1950.1	1636.8	1590.1
30°	1031.4	1008.0	1123.8	964.4	898.6
32.5°	676.6	646.9	684.0	613.9	560.8
35°	452.5	462.0	433.4	430.2	363.3
37.5°	282.5	325.0	286.8	305.9	233.7
40°	182.7	235.8	202.9	224.1	172.1
42.5°	149.8	181.6	166.8	177.4	153.0
45°	119.0	147.6	147.6	147.6	120.0
47.5°	65.9	98.8	126.4	100.9	70.1
50°	37.2	49.9	97.7	52.0	39.3
52.5°	25.5	28.7	66.9	29.7	26.6
55°	19.1	20.2	36.1	21.2	20.2
57.5°	14.9	15.9	19.1	15.9	14.9
60°	11.7	11.7	13.8	12.7	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)