

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: P756133

Luminaire Tested: LD4D95BD010-EU4DR3070959030-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756133
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-EU4DR3070959030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7851.8 lumens
Efficiency: N/A
Efficacy: 79.2 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

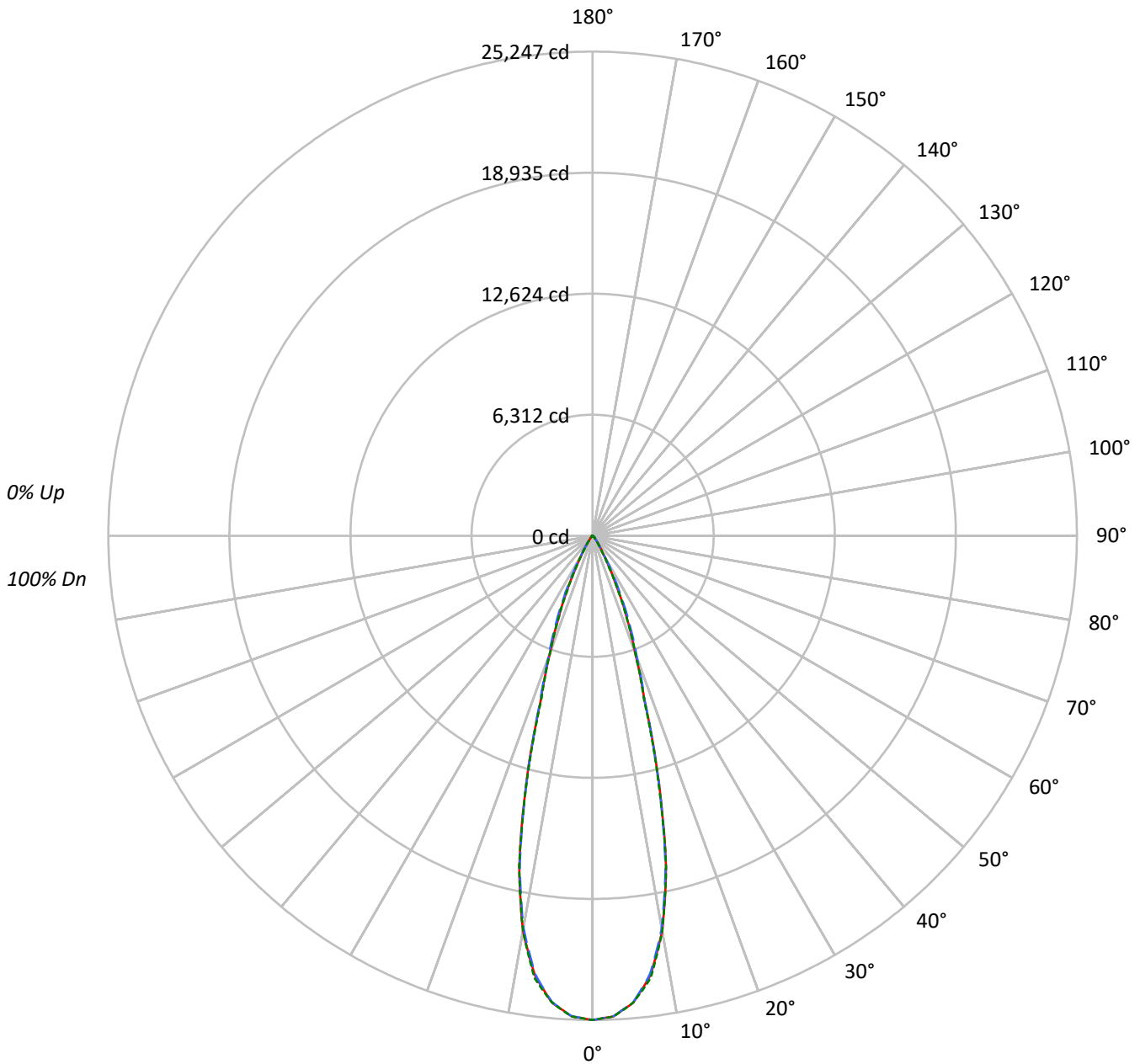
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P756133

CATALOG NUMBER: LD4D95BD010-EU4DR3070959030-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P756133

CATALOG NUMBER: LD4D95BD010-EU4DR3070959030-4LBCSSQMW

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°	1932522	1932522	1932522
5°	1877044	1874854	1877144
10°	1625804	1614339	1625423
15°	1060754	1055065	1049755
20°	527467	547253	526758
25°	265699	299617	260261
30°	106380	115917	92689
35°	49347	47254	39610
40°	21303	23661	20064
45°	15025	18651	15166
50°	5168	13575	5466
55°	2976	5618	3149
60°	2082	2465	2082
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18651 cd/sqm



TEST NUMBER: P756133

CATALOG NUMBER: LD4D95BD010-EU4DR3070959030-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2220.1	28.3
10°-20°	3575.5	45.5
20°-30°	1545.1	19.7
30°-40°	352.2	4.5
40°-50°	120.9	1.5
50°-60°	29.5	0.4
60°-70°	7.7	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°	7340.8	93.5
0°-40°	7692.9	98.0
0°-60°	7843.4	99.9
0°-90°	7851.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7851.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25247	25247	25247	25247	25247	
5°	24429	24406	24401	24452	24431	2222
15°	13386	13225	13314	13271	13247	3584
25°	3146	3265	3548	3182	3082	1506
35°	528	539	506	502	424	358
45°	139	172	172	172	140	99
55°	22	24	42	25	24	22
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



TEST NUMBER: P756133

CATALOG NUMBER: LD4D95BD010-EU4DR3070959030-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25247.4	25247.4	25247.4	25247.4	25247.4
2.5°	25080.1	25062.7	25072.7	25085.1	25090.0
5°	24429.3	24405.8	24400.8	24451.6	24430.6
7.5°	23116.6	23083.2	23032.3	23147.6	23255.5
10°	20917.6	20880.5	20770.1	20824.7	20912.7
12.5°	17671.2	17551.0	17548.5	17722.0	17698.5
15°	13386.0	13224.9	13314.2	13270.8	13247.2
17.5°	9001.7	8939.7	9058.7	9022.8	8867.8
20°	6475.5	6491.6	6718.4	6604.4	6466.8
22.5°	4725.2	4783.5	5052.5	4758.7	4650.8
25°	3146.0	3265.0	3547.6	3182.0	3081.6
27.5°	1935.0	1989.5	2275.8	1910.2	1855.6
30°	1203.6	1176.3	1311.5	1125.5	1048.7
32.5°	789.6	754.9	798.3	716.5	654.5
35°	528.1	539.2	505.7	502.0	423.9
37.5°	329.7	379.3	334.7	357.0	272.7
40°	213.2	275.2	236.8	261.5	200.8
42.5°	174.8	212.0	194.6	207.0	178.5
45°	138.8	172.3	172.3	172.3	140.1
47.5°	76.9	115.3	147.5	117.8	81.8
50°	43.4	58.3	114.0	60.7	45.9
52.5°	29.7	33.5	78.1	34.7	31.0
55°	22.3	23.6	42.1	24.8	23.6
57.5°	17.4	18.6	22.3	18.6	17.4
60°	13.6	13.6	16.1	14.9	13.6
62.5°	9.9	9.9	11.2	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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



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)