

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: P756116

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756116
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-EU4DR3070959024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

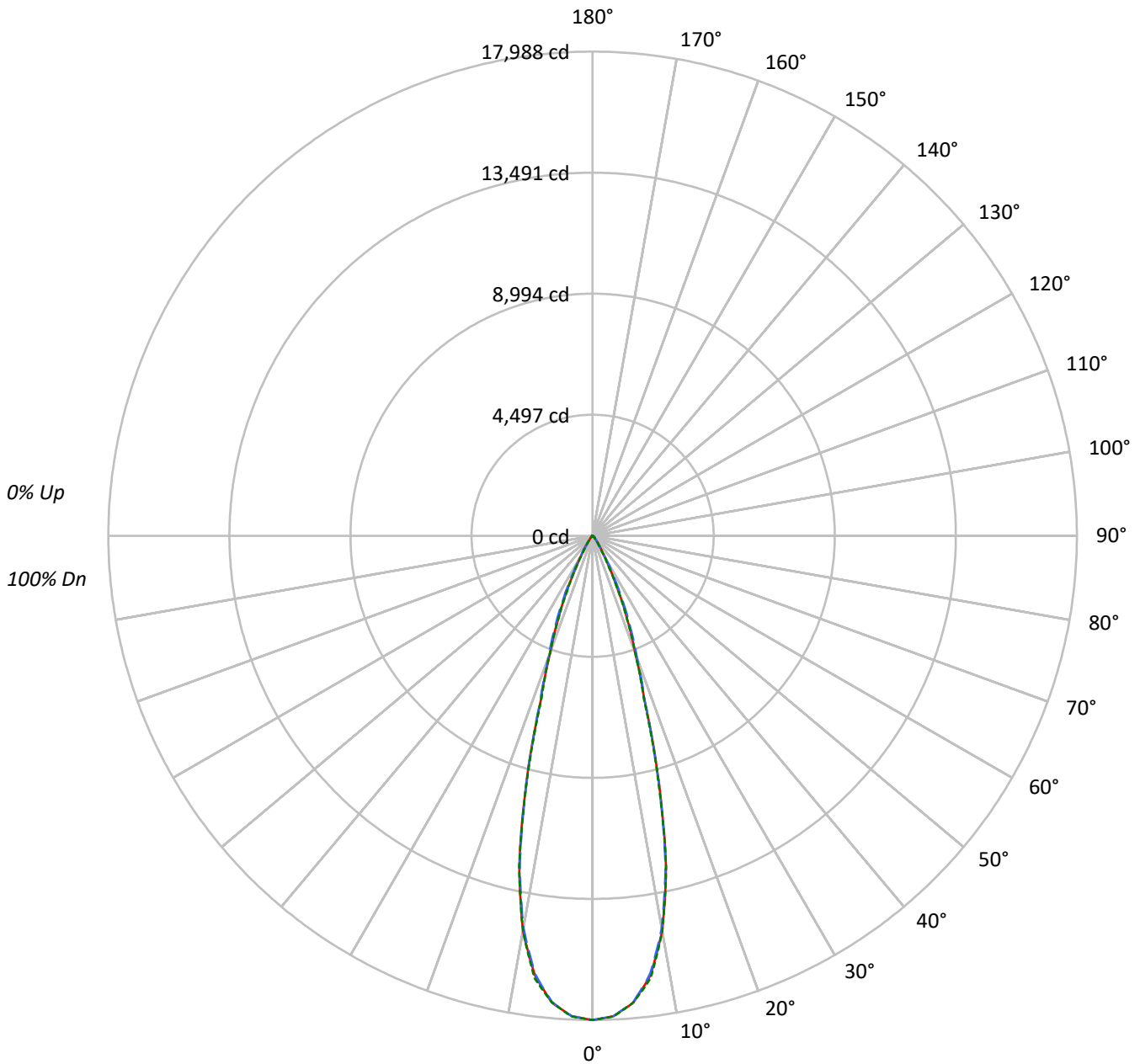
Lumens per Lamp: N/A
Luminaire Lumens: 5594.1 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')

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: P756116
CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P756116

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBSQW1B

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°	1376840	1376840	1376840
5°	1337311	1335752	1337381
10°	1158316	1150147	1158044
15°	755746	751681	747909
20°	375796	389896	375291
25°	189300	213463	185424
30°	75790	82587	66032
35°	35153	33667	28220
40°	15178	16857	14299
45°	10706	13293	10803
50°	3680	9669	3894
55°	2122	4003	2242
60°	1485	1760	1485
65°	960	960	960
70°	582	403	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13293 cd/sqm



TEST NUMBER: P756116

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1581.7	28.3
10°-20°	2547.4	45.5
20°-30°	1100.8	19.7
30°-40°	250.9	4.5
40°-50°	86.2	1.5
50°-60°	21.0	0.4
60°-70°	5.5	0.1
70°-80°	0.6	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°	5230.0	93.5
0°-40°	5480.9	98.0
0°-60°	5588.0	99.9
0°-90°	5594.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5594.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17988	17988	17988	17988	17988	
5°	17405	17388	17384	17421	17406	1583
15°	9537	9422	9486	9455	9438	2554
25°	2241	2326	2528	2267	2196	1073
35°	376	384	360	358	302	255
45°	99	123	123	123	100	70
55°	16	17	30	18	17	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P756116

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17987.7	17987.7	17987.7	17987.7	17987.7
2.5°	17868.5	17856.1	17863.2	17872.0	17875.5
5°	17404.8	17388.0	17384.5	17420.7	17405.7
7.5°	16469.6	16445.7	16409.5	16491.7	16568.5
10°	14902.9	14876.4	14797.8	14836.7	14899.4
12.5°	12590.0	12504.3	12502.5	12626.2	12609.4
15°	9537.0	9422.2	9485.7	9454.8	9438.1
17.5°	6413.3	6369.2	6453.9	6428.3	6317.9
20°	4613.5	4625.0	4786.6	4705.3	4607.3
22.5°	3366.5	3408.0	3599.7	3390.4	3313.5
25°	2241.4	2326.2	2527.5	2267.0	2195.5
27.5°	1378.6	1417.4	1621.4	1360.9	1322.1
30°	857.5	838.1	934.4	801.9	747.1
32.5°	562.6	537.8	568.7	510.5	466.3
35°	376.2	384.2	360.3	357.7	302.0
37.5°	234.9	270.2	238.4	254.3	194.3
40°	151.9	196.1	168.7	186.3	143.1
42.5°	124.5	151.0	138.7	147.5	127.2
45°	98.9	122.8	122.8	122.8	99.8
47.5°	54.8	82.1	105.1	83.9	58.3
50°	30.9	41.5	81.2	43.3	32.7
52.5°	21.2	23.8	55.6	24.7	22.1
55°	15.9	16.8	30.0	17.7	16.8
57.5°	12.4	13.2	15.9	13.2	12.4
60°	9.7	9.7	11.5	10.6	9.7
62.5°	7.1	7.1	7.9	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.8	1.8	1.8	2.6
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)