

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: P756108

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756108
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-EU4DR3070959024-4LBDP1B
Description: 4 INCH ROUND 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: 5930.8 lumens
Efficiency: N/A
Efficacy: 59.8 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

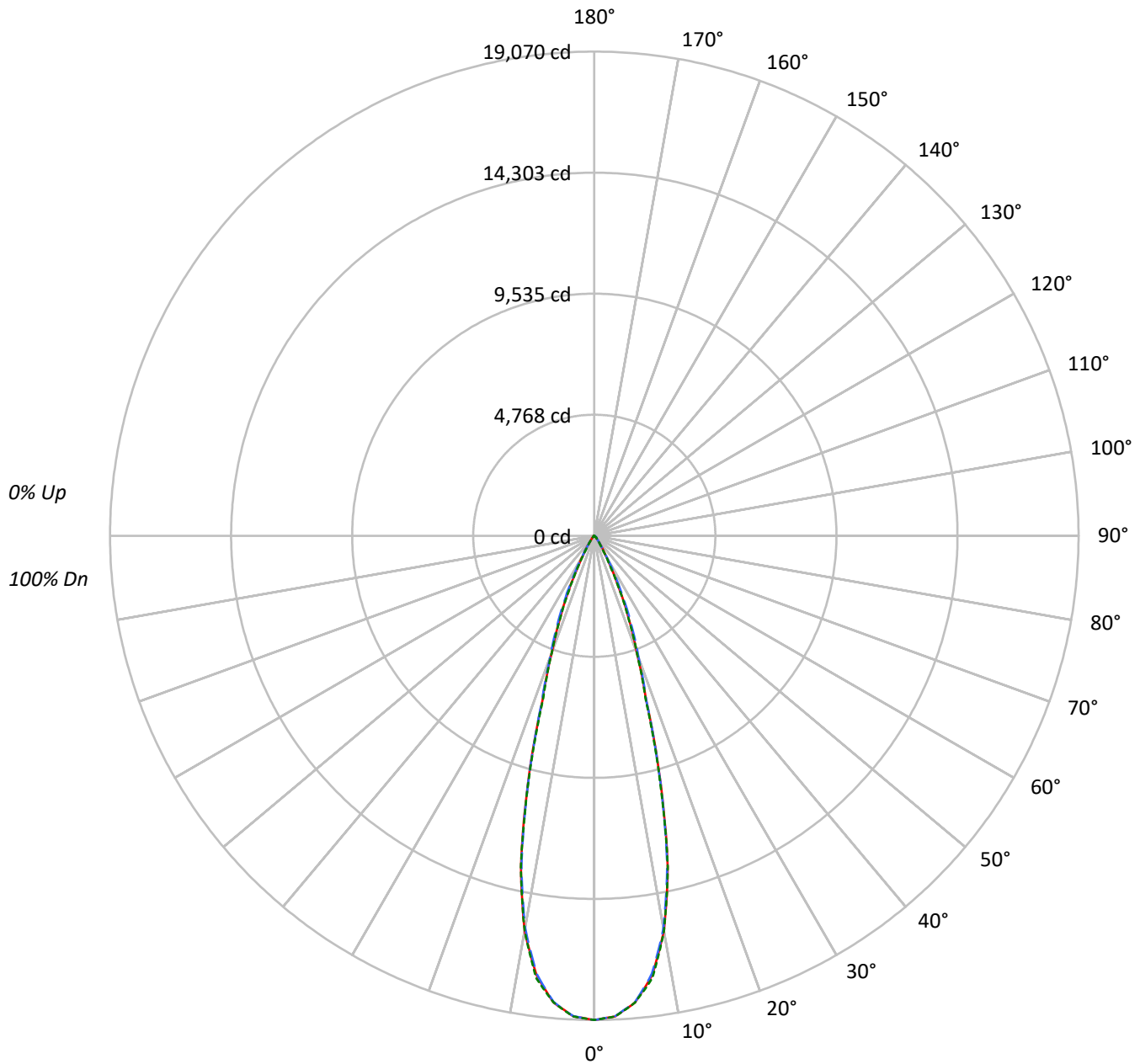


Downlight

TEST NUMBER: P756108

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBDP1B

Luminous Intensity Polar Plot



TEST NUMBER: P756108

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1459713	1459713	1459713
5°	1417812	1416153	1417881
10°	1228035	1219376	1227747
15°	801232	796929	792927
20°	398417	413364	397879
25°	200693	226318	196580
30°	80351	87554	70010
35°	37274	35695	29920
40°	16087	17866	15158
45°	11355	14083	11453
50°	3906	10253	4120
55°	2255	4244	2375
60°	1577	1868	1577
65°	1014	1014	1014
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14083 cd/sqm



TEST NUMBER: P756108

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1677.0	28.3
10°-20°	2700.8	45.5
20°-30°	1167.1	19.7
30°-40°	266.0	4.5
40°-50°	91.3	1.5
50°-60°	22.3	0.4
60°-70°	5.8	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°	5544.8	93.5
0°-40°	5810.8	98.0
0°-60°	5924.4	99.9
0°-90°	5930.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5930.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19070	19070	19070	19070	19070	
5°	18452	18435	18431	18469	18453	1678
15°	10111	9989	10057	10024	10006	2707
25°	2376	2466	2680	2404	2328	1137
35°	399	407	382	379	320	271
45°	105	130	130	130	106	74
55°	17	18	32	19	18	16
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	

TEST NUMBER: P756108

CATALOG NUMBER: LD4D95BD010-EU4DR3070959024-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19070.4	19070.4	19070.4	19070.4	19070.4
2.5°	18944.0	18930.9	18938.4	18947.8	18951.5
5°	18452.5	18434.7	18430.9	18469.3	18453.4
7.5°	17460.9	17435.6	17397.3	17484.3	17565.8
10°	15799.9	15771.9	15688.5	15729.7	15796.2
12.5°	13347.8	13257.0	13255.1	13386.2	13368.4
15°	10111.0	9989.3	10056.7	10024.0	10006.2
17.5°	6799.4	6752.5	6842.4	6815.3	6698.2
20°	4891.2	4903.4	5074.7	4988.6	4884.6
22.5°	3569.1	3613.2	3816.3	3594.4	3513.0
25°	2376.3	2466.2	2679.7	2403.5	2327.6
27.5°	1461.6	1502.8	1719.0	1442.8	1401.6
30°	909.1	888.5	990.6	850.2	792.1
32.5°	596.4	570.2	603.0	541.2	494.4
35°	398.9	407.3	382.0	379.2	320.2
37.5°	249.1	286.5	252.8	269.7	206.0
40°	161.0	207.9	178.8	197.6	151.7
42.5°	132.0	160.1	147.0	156.4	134.8
45°	104.9	130.1	130.1	130.1	105.8
47.5°	58.1	87.1	111.4	88.9	61.8
50°	32.8	44.0	86.1	45.9	34.6
52.5°	22.5	25.3	59.0	26.2	23.4
55°	16.9	17.8	31.8	18.7	17.8
57.5°	13.1	14.0	16.9	14.0	13.1
60°	10.3	10.3	12.2	11.2	10.3
62.5°	7.5	7.5	8.4	7.5	7.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)