

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: P756699

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959035-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8615.8 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

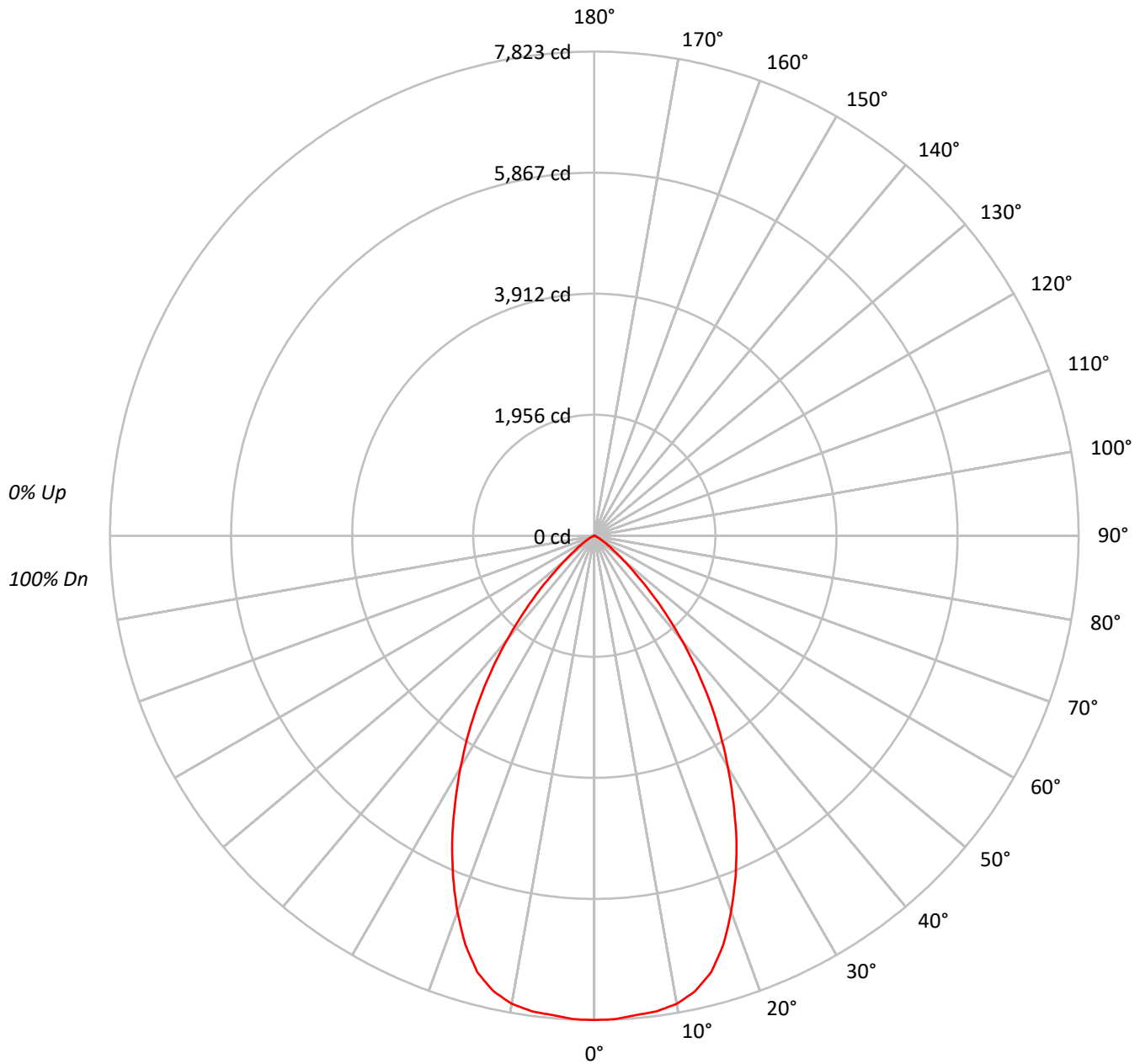


Downlight

TEST NUMBER: P756699

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P756699

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1LI

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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	456893
5°	455743
10°	455349
15°	441316
20°	401764
25°	350111
30°	291195
35°	230727
40°	166525
45°	105210
50°	54834
55°	29142
60°	15313
65°	8416
70°	3535
75°	3881
80°	2691
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105210 cd/sqm



TEST NUMBER: P756699

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.8	8.6
10°-20°	2025.9	23.5
20°-30°	2476.3	28.7
30°-40°	2009.2	23.3
40°-50°	1001.2	11.6
50°-60°	279.3	3.2
60°-70°	63.4	0.7
70°-80°	16.5	0.2
80°-90°	4.2	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°	5242.0	60.8
0°-40°	7251.2	84.2
0°-60°	8531.7	99.0
0°-90°	8615.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8615.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7823	
5°	7774	740
15°	7299	2026
25°	5433	2476
35°	3236	2009
45°	1274	1001
55°	286	279
65°	61	63
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P756699

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	7823.0
2.5°	7817.2
5°	7773.6
7.5°	7748.3
10°	7678.1
12.5°	7535.6
15°	7298.8
17.5°	6928.6
20°	6464.2
22.5°	5962.9
25°	5433.0
27.5°	4866.2
30°	4317.9
32.5°	3776.4
35°	3236.1
37.5°	2696.9
40°	2184.2
42.5°	1703.7
45°	1273.8
47.5°	887.5
50°	603.5
52.5°	416.2
55°	286.2
57.5°	193.1
60°	131.1
62.5°	90.8
65°	60.9
67.5°	31.0
70°	20.7
72.5°	19.5
75°	17.2
77.5°	11.5
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)