

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: P756711

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756711
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-EU4DR6570959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8589.2 lumens
Efficiency: N/A
Efficacy: 86.6 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

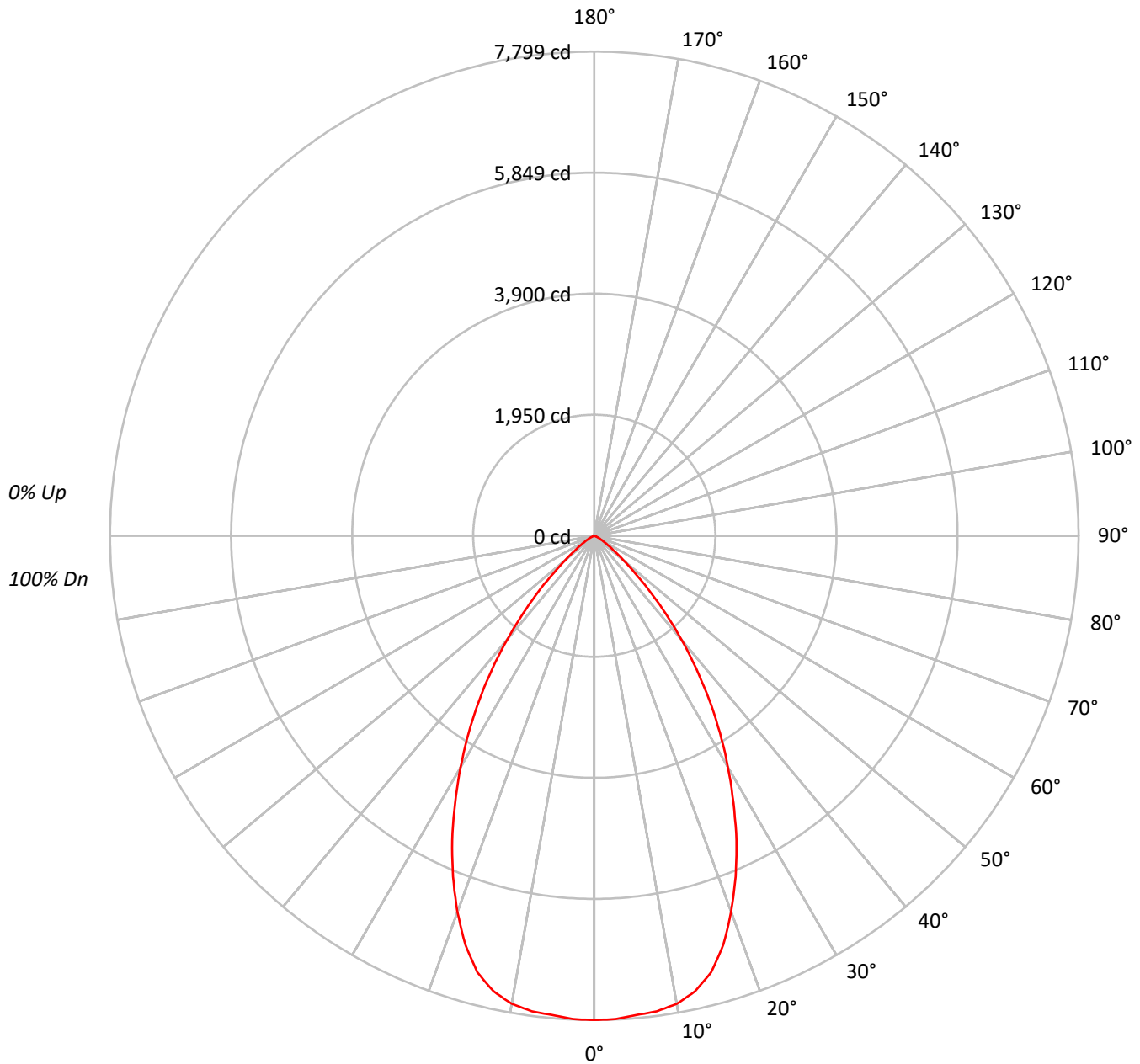


Downlight

TEST NUMBER: P756711

CATALOG NUMBER: LD4D95BD010-EU4DR6570959040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756711

CATALOG NUMBER: LD4D95BD010-EU4DR6570959040-4LBS1H

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	455480
5°	454330
10°	453943
15°	439949
20°	400521
25°	349028
30°	290291
35°	230014
40°	166014
45°	104880
50°	54671
55°	29061
60°	15255
65°	8388
70°	3518
75°	3881
80°	2691
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 104880 cd/sqm

TEST NUMBER: P756711

CATALOG NUMBER: LD4D95BD010-EU4DR6570959040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.5	8.6
10°-20°	2019.6	23.5
20°-30°	2468.7	28.7
30°-40°	2003.0	23.3
40°-50°	998.1	11.6
50°-60°	278.4	3.2
60°-70°	63.2	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°	5225.8	60.8
0°-40°	7228.8	84.2
0°-60°	8505.3	99.0
0°-90°	8589.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8589.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7799	
5°	7750	738
15°	7276	2020
25°	5416	2469
35°	3226	2003
45°	1270	998
55°	285	278
65°	61	63
75°	17	16
85°	3	4
90°	0	



TEST NUMBER: P756711

CATALOG NUMBER: LD4D95BD010-EU4DR6570959040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7798.8
2.5°	7793.1
5°	7749.5
7.5°	7724.3
10°	7654.4
12.5°	7512.3
15°	7276.2
17.5°	6907.2
20°	6444.2
22.5°	5944.5
25°	5416.2
27.5°	4851.2
30°	4304.5
32.5°	3764.7
35°	3226.1
37.5°	2688.6
40°	2177.5
42.5°	1698.4
45°	1269.8
47.5°	884.7
50°	601.7
52.5°	414.9
55°	285.4
57.5°	192.5
60°	130.6
62.5°	90.5
65°	60.7
67.5°	30.9
70°	20.6
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)