

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: P756540

Luminaire Tested: LD4D95BD010-EU4DR5570959035-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR5570959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8327.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' 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

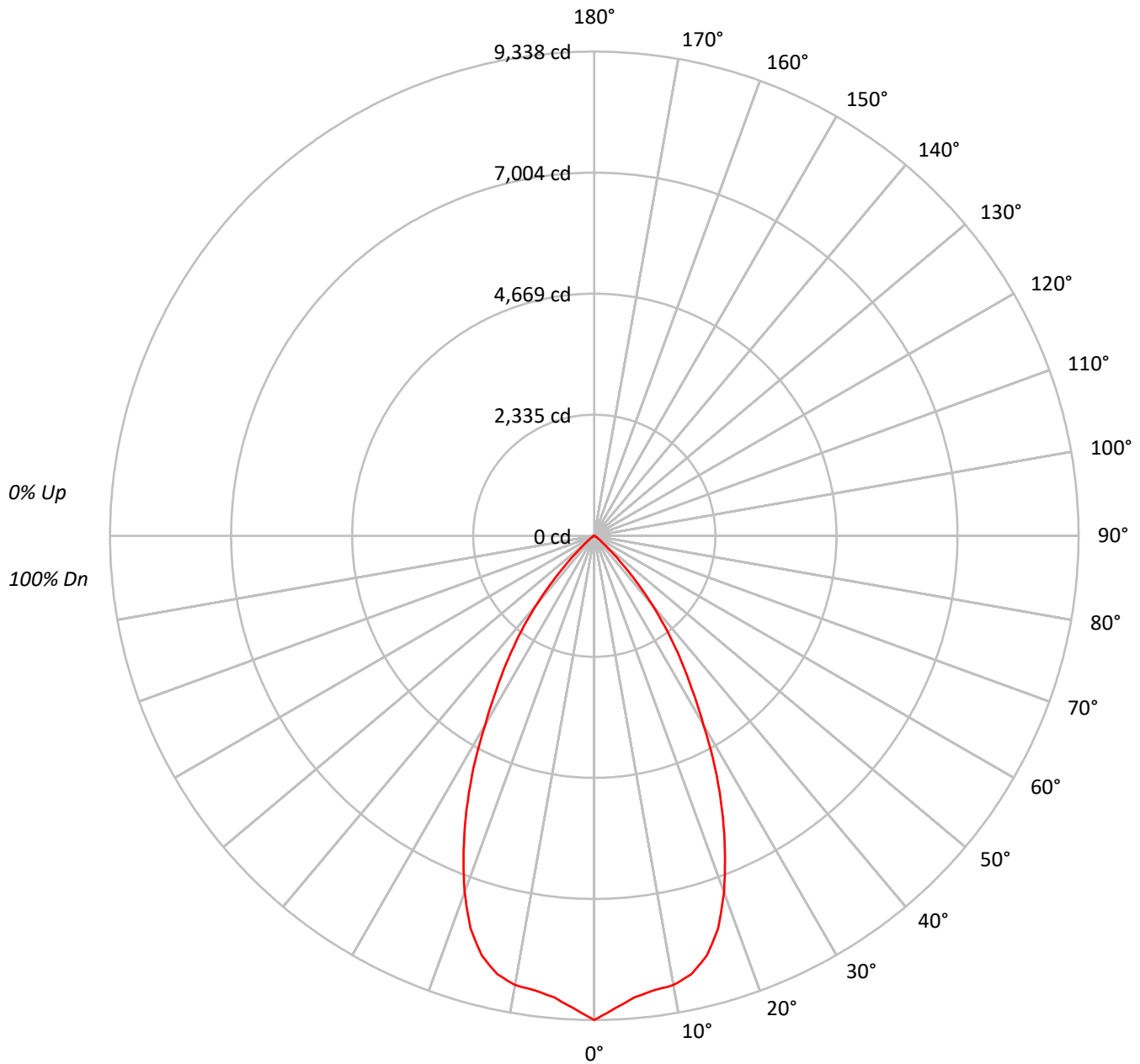


Downlight

TEST NUMBER: P756540

CATALOG NUMBER: LD4D95BD010-EU4DR5570959035-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P756540

CATALOG NUMBER: LD4D95BD010-EU4DR5570959035-4LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64	82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1020321
5°	979798
10°	976105
15°	948063
20°	850071
25°	702540
30°	530681
35°	384783
40°	246250
45°	112474
50°	36784
55°	15868
60°	6818
65°	905
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 112474 cd/sqm



TEST NUMBER: P756540

CATALOG NUMBER: LD4D95BD010-EU4DR5570959035-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.1	10.2
10°-20°	2320.0	27.9
20°-30°	2643.8	31.7
30°-40°	1799.8	21.6
40°-50°	620.2	7.4
50°-60°	85.7	1.0
60°-70°	8.3	0.1
70°-80°	0.0	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°	5813.8	69.8
0°-40°	7613.6	91.4
0°-60°	8319.6	99.9
0°-90°	8327.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8327.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9338	
5°	8933	850
15°	8381	2320
25°	5828	2644
35°	2885	1800
45°	728	620
55°	83	86
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756540

CATALOG NUMBER: LD4D95BD010-EU4DR5570959035-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	9338.4
2.5°	9124.3
5°	8933.4
7.5°	8839.7
10°	8798.0
12.5°	8659.2
15°	8381.4
17.5°	7940.5
20°	7311.0
22.5°	6584.3
25°	5827.5
27.5°	5039.5
30°	4206.3
32.5°	3500.5
35°	2884.8
37.5°	2299.3
40°	1726.5
42.5°	1196.5
45°	727.9
47.5°	392.3
50°	216.4
52.5°	128.4
55°	83.3
57.5°	53.2
60°	31.2
62.5°	13.9
65°	3.5
67.5°	1.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)