

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: P756371

Luminaire Tested: LD4D95BD010-EU4DR4570959030-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4570959030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8532.8 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

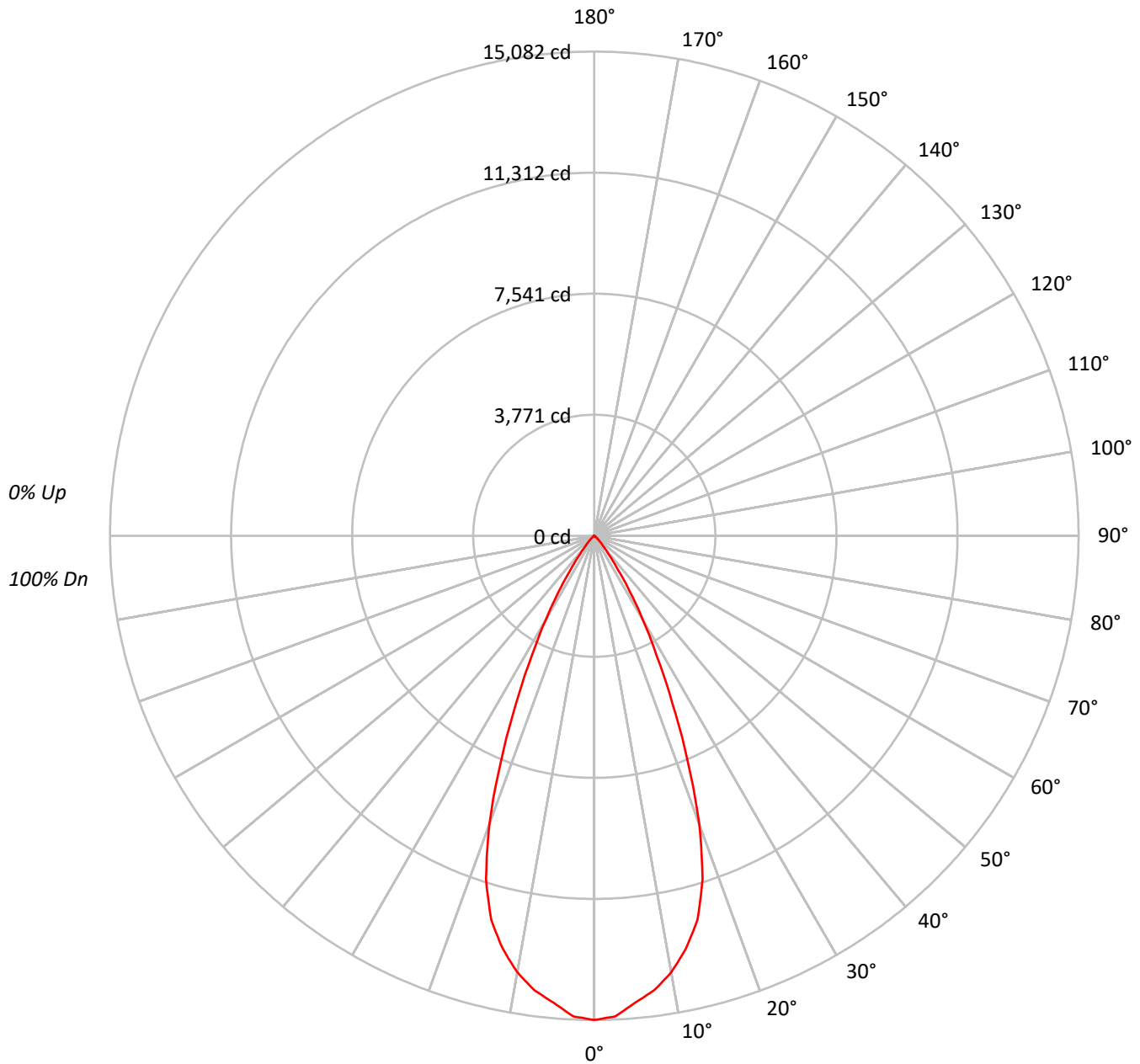


Downlight

TEST NUMBER: P756371

CATALOG NUMBER: LD4D95BD010-EU4DR4570959030-4LBDP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P756371

CATALOG NUMBER: LD4D95BD010-EU4DR4570959030-4LBDP1MW

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1647849
5°	1600928
10°	1531658
15°	1401790
20°	1112103
25°	694306
30°	382679
35°	171824
40°	67678
45°	31893
50°	15128
55°	7905
60°	3890
65°	931
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31893 cd/sqm

TEST NUMBER: P756371

CATALOG NUMBER: LD4D95BD010-EU4DR4570959030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1371.5	16.1
10°-20°	3375.4	39.6
20°-30°	2673.0	31.3
30°-40°	890.1	10.4
40°-50°	176.7	2.1
50°-60°	40.1	0.5
60°-70°	5.8	0.1
70°-80°	0.2	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°	7419.9	87.0
0°-40°	8310.0	97.4
0°-60°	8526.8	99.9
0°-90°	8532.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8532.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15082	
5°	14597	###
15°	12393	3375
25°	5759	2673
35°	1288	890
45°	206	177
55°	42	40
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756371

CATALOG NUMBER: LD4D95BD010-EU4DR4570959030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	15081.8
2.5°	14983.3
5°	14596.6
7.5°	14277.5
10°	13805.4
12.5°	13176.7
15°	12392.6
17.5°	11213.5
20°	9564.6
22.5°	7600.2
25°	5759.2
27.5°	4217.1
30°	3033.2
32.5°	2062.9
35°	1288.2
37.5°	763.9
40°	474.5
42.5°	312.0
45°	206.4
47.5°	132.9
50°	89.0
52.5°	59.3
55°	41.5
57.5°	27.3
60°	17.8
62.5°	9.5
65°	3.6
67.5°	1.2
70°	1.2
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)