

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: P756657

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5703.2 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

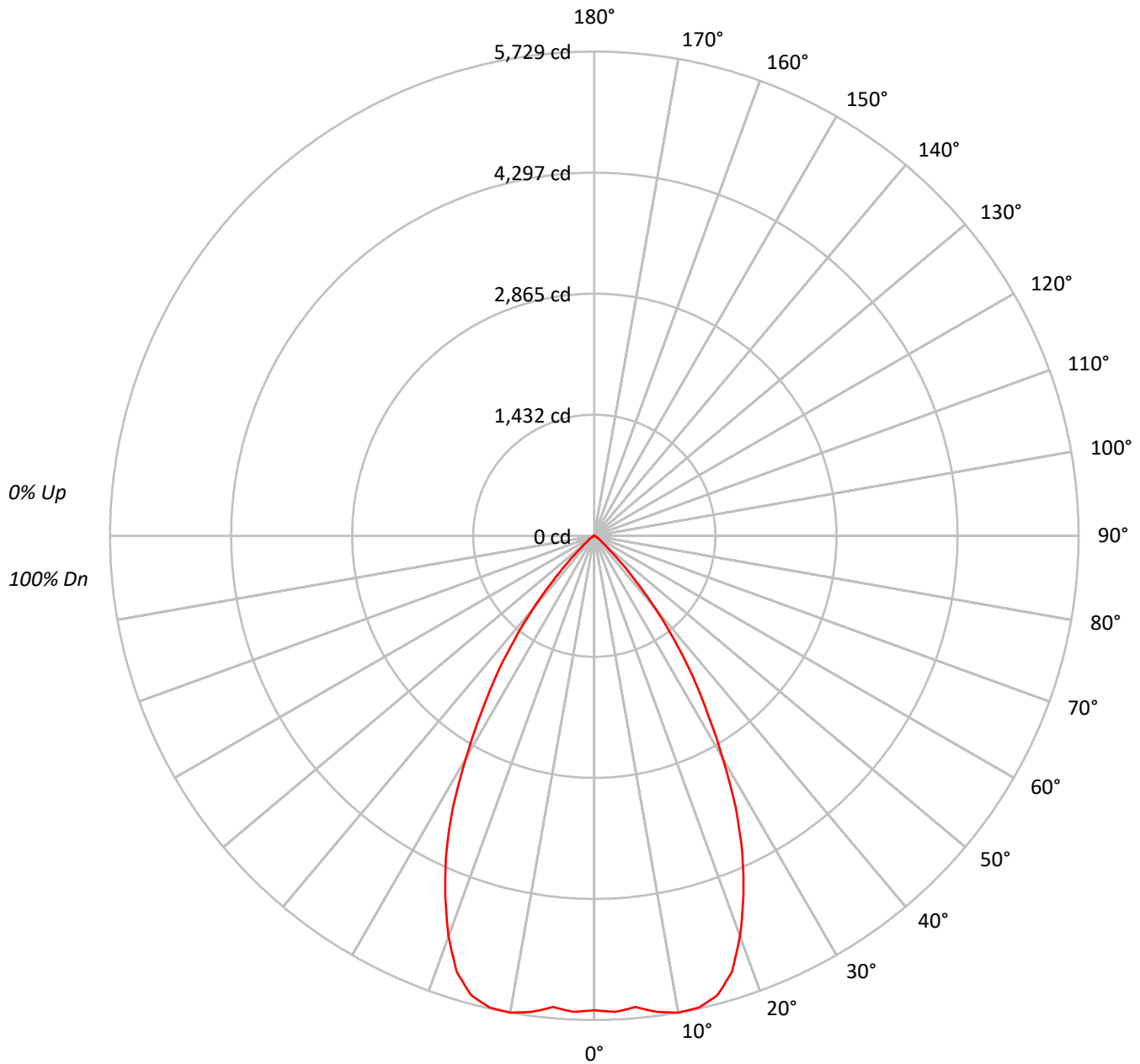


Downlight

TEST NUMBER: P756657

CATALOG NUMBER: LD4D95BD010-EU4DR6570959024-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P756657

CATALOG NUMBER: LD4D95BD010-EU4DR6570959024-4LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	613510
5°	614022
10°	635645
15°	636691
20°	586178
25°	499451
30°	382351
35°	270127
40°	159446
45°	64728
50°	23457
55°	13068
60°	7495
65°	4137
70°	4345
75°	3377
80°	3524
85°	3009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64728 cd/sqm



TEST NUMBER: P756657

CATALOG NUMBER: LD4D95BD010-EU4DR6570959024-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.7	9.5
10°-20°	1559.7	27.3
20°-30°	1871.3	32.8
30°-40°	1257.6	22.1
40°-50°	376.4	6.6
50°-60°	66.4	1.2
60°-70°	18.9	0.3
70°-80°	9.3	0.2
80°-90°	2.9	0.1
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°	3971.6	69.6
0°-40°	5229.2	91.7
0°-60°	5672.1	99.5
0°-90°	5703.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5703.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5615	
5°	5598	541
15°	5629	1560
25°	4143	1871
35°	2025	1258
45°	419	376
55°	69	66
65°	16	19
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P756657

CATALOG NUMBER: LD4D95BD010-EU4DR6570959024-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5615.1
2.5°	5639.1
5°	5598.4
7.5°	5683.0
10°	5729.3
12.5°	5718.1
15°	5628.7
17.5°	5410.1
20°	5041.4
22.5°	4607.3
25°	4142.9
27.5°	3618.7
30°	3030.6
32.5°	2497.6
35°	2025.2
37.5°	1558.4
40°	1117.9
42.5°	730.1
45°	418.9
47.5°	221.8
50°	138.0
52.5°	95.8
55°	68.6
57.5°	49.5
60°	34.3
62.5°	22.3
65°	16.0
67.5°	14.4
70°	13.6
72.5°	10.4
75°	8.0
77.5°	7.2
80°	5.6
82.5°	4.0
85°	2.4
87.5°	1.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)