

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: P752760

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752760
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: LD4D70BD010-EU4DR6570959024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5629.1 lumens
Efficiency: N/A
Efficacy: 84.5 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): 66.6
Input Voltage (V): NR
Input Current (A_{in}): 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

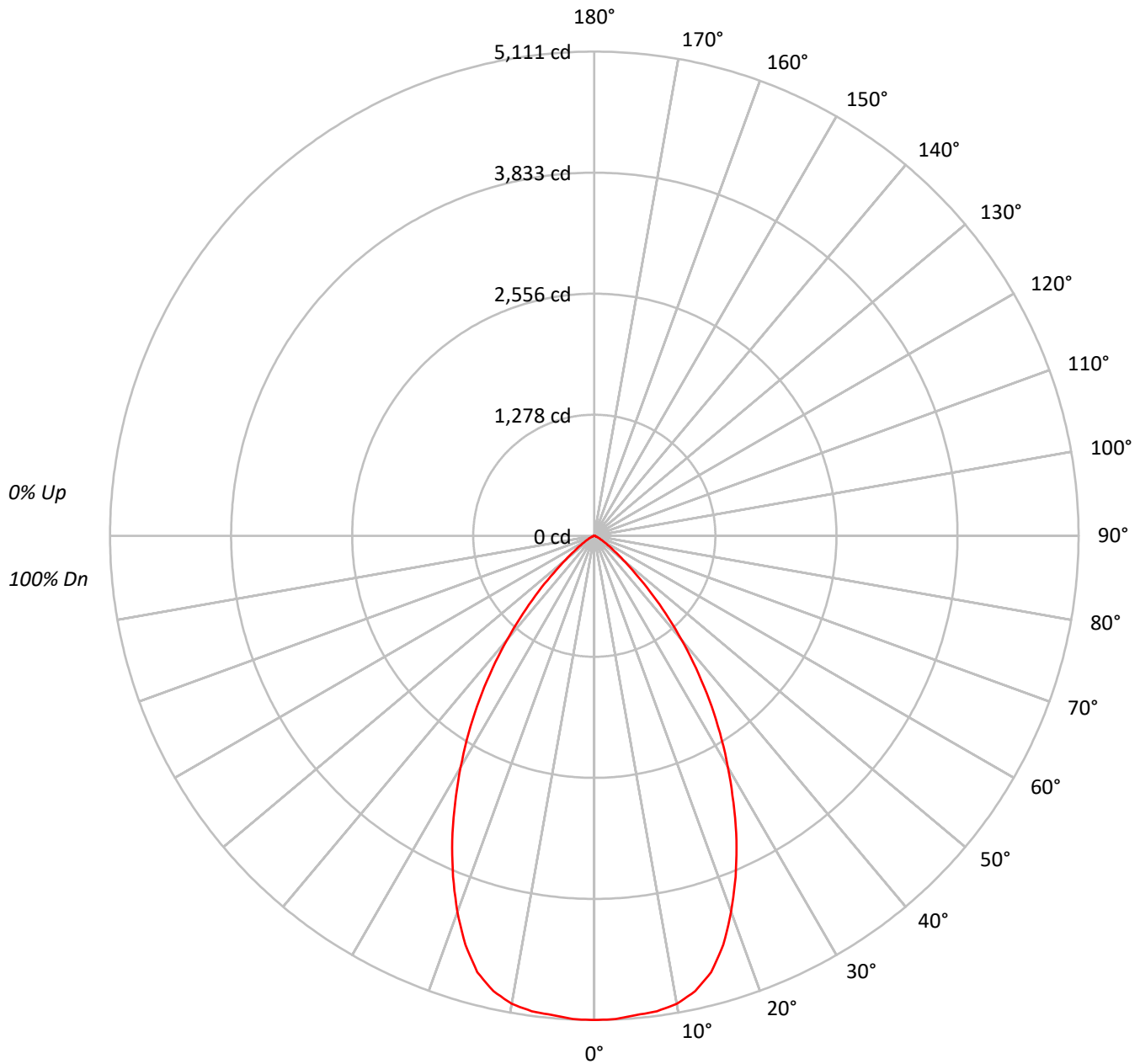


Downlight

TEST NUMBER: P752760

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P752760

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1LI

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°	298502
5°	297749
10°	297497
15°	288323
20°	262487
25°	228742
30°	190245
35°	150745
40°	108796
45°	68736
50°	35826
55°	19041
60°	9999
65°	5500
70°	2305
75°	2550
80°	1783
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68736 cd/sqm



TEST NUMBER: P752760

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.3	8.6
10°-20°	1323.6	23.5
20°-30°	1617.9	28.7
30°-40°	1312.7	23.3
40°-50°	654.1	11.6
50°-60°	182.5	3.2
60°-70°	41.5	0.7
70°-80°	10.8	0.2
80°-90°	2.8	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°	3424.8	60.8
0°-40°	4737.5	84.2
0°-60°	5574.1	99.0
0°-90°	5629.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5629.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5111	
5°	5079	483
15°	4768	1324
25°	3550	1618
35°	2114	1313
45°	832	654
55°	187	182
65°	40	41
75°	11	11
85°	2	3
90°	0	



TEST NUMBER: P752760

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	5111.0
2.5°	5107.3
5°	5078.7
7.5°	5062.2
10°	5016.4
12.5°	4923.3
15°	4768.5
17.5°	4526.7
20°	4223.3
22.5°	3895.8
25°	3549.6
27.5°	3179.3
30°	2821.0
32.5°	2467.3
35°	2114.3
37.5°	1762.0
40°	1427.0
42.5°	1113.1
45°	832.2
47.5°	579.8
50°	394.3
52.5°	271.9
55°	187.0
57.5°	126.2
60°	85.6
62.5°	59.3
65°	39.8
67.5°	20.3
70°	13.5
72.5°	12.8
75°	11.3
77.5°	7.5
80°	5.3
82.5°	3.8
85°	2.3
87.5°	1.5
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)