

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: P752759

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752759
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-EU4DR6570959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-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: 5361.0 lumens
Efficiency: N/A
Efficacy: 80.5 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 (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

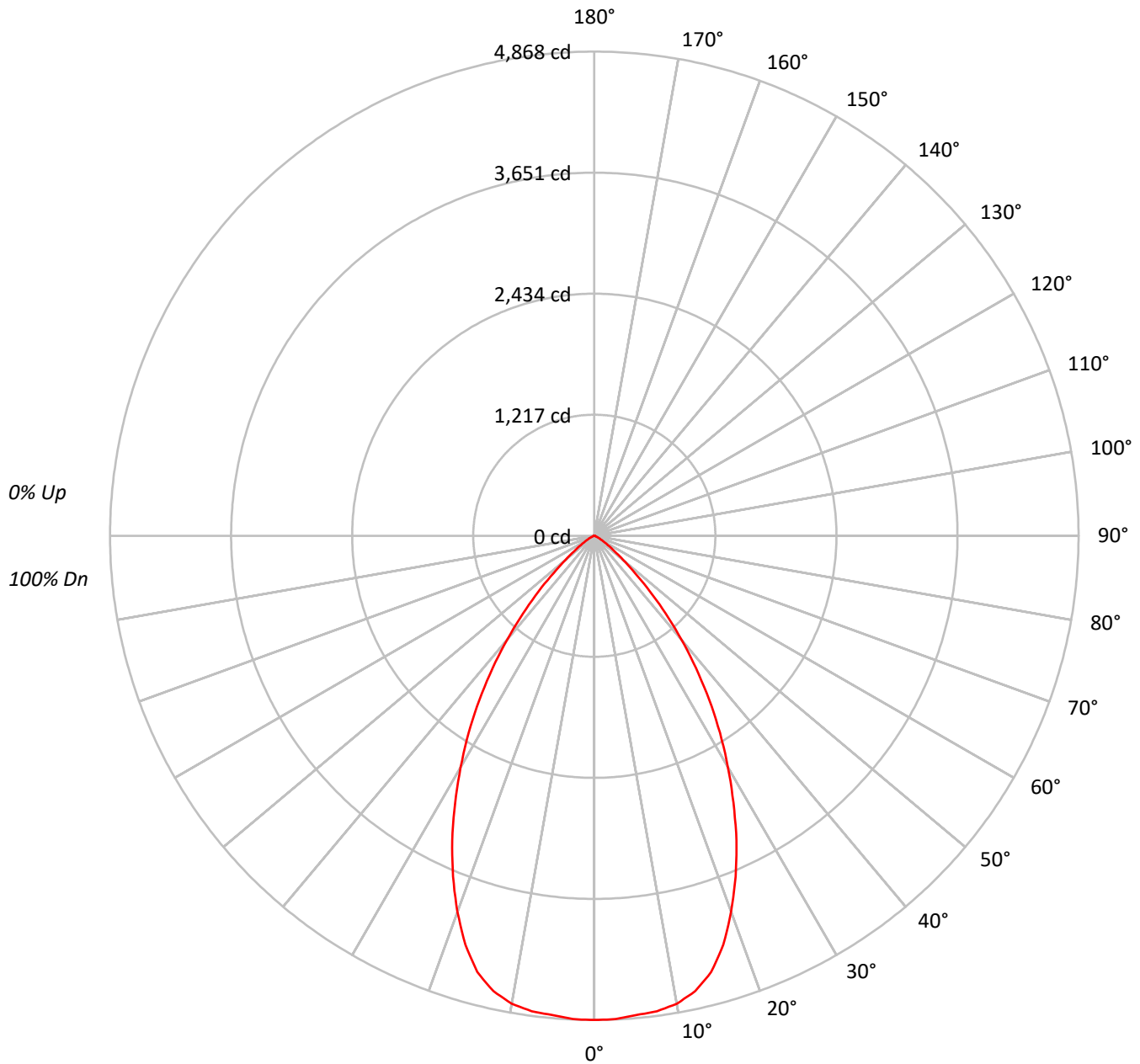


Downlight

TEST NUMBER: P752759

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P752759

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1H

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°	284287
5°	283573
10°	283329
15°	274598
20°	249988
25°	217845
30°	181188
35°	143566
40°	103619
45°	65465
50°	34118
55°	18135
60°	9520
65°	5238
70°	2203
75°	2415
80°	1682
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65465 cd/sqm



TEST NUMBER: P752759

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.3	8.6
10°-20°	1260.5	23.5
20°-30°	1540.8	28.7
30°-40°	1250.2	23.3
40°-50°	623.0	11.6
50°-60°	173.8	3.2
60°-70°	39.5	0.7
70°-80°	10.3	0.2
80°-90°	2.6	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°	3261.7	60.8
0°-40°	4511.9	84.2
0°-60°	5308.6	99.0
0°-90°	5361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4868	
5°	4837	460
15°	4542	1261
25°	3380	1541
35°	2014	1250
45°	793	623
55°	178	174
65°	38	39
75°	11	10
85°	2	3
90°	0	



TEST NUMBER: P752759

CATALOG NUMBER: LD4D70BD010-EU4DR6570959024-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4867.6
2.5°	4864.1
5°	4836.9
7.5°	4821.2
10°	4777.5
12.5°	4688.8
15°	4541.5
17.5°	4311.1
20°	4022.2
22.5°	3710.3
25°	3380.5
27.5°	3027.9
30°	2686.7
32.5°	2349.8
35°	2013.6
37.5°	1678.1
40°	1359.1
42.5°	1060.1
45°	792.6
47.5°	552.2
50°	375.5
52.5°	258.9
55°	178.1
57.5°	120.2
60°	81.5
62.5°	56.5
65°	37.9
67.5°	19.3
70°	12.9
72.5°	12.2
75°	10.7
77.5°	7.2
80°	5.0
82.5°	3.6
85°	2.1
87.5°	1.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)