

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: P752577

Luminaire Tested: LD4D70BD010-EU4DR5070959040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR5070959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7834.7 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' 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

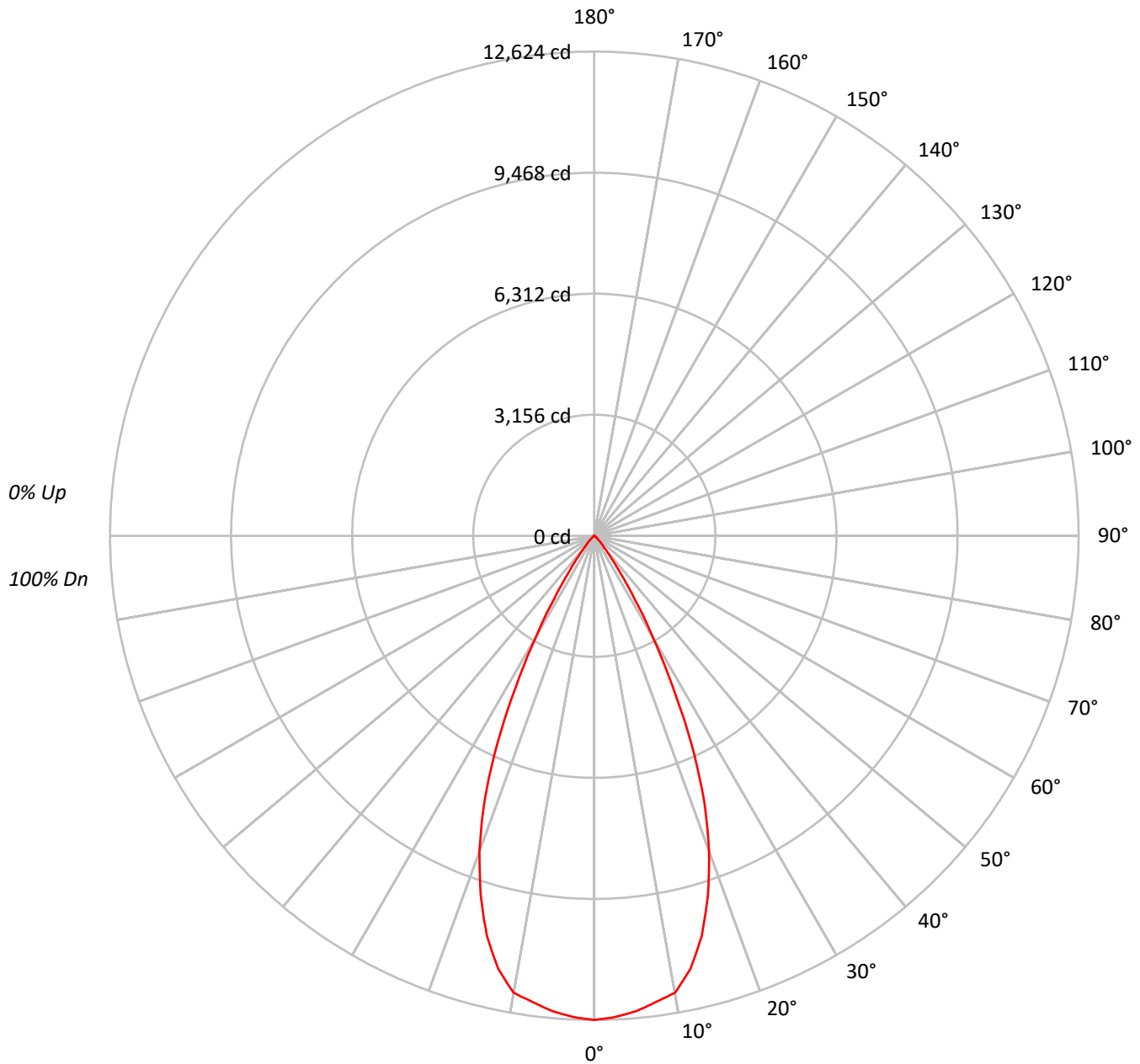


Downlight

TEST NUMBER: P752577

CATALOG NUMBER: LD4D70BD010-EU4DR5070959040-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P752577

CATALOG NUMBER: LD4D70BD010-EU4DR5070959040-4LBS1H

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1379264
5°	1364802
10°	1342328
15°	1222299
20°	1017085
25°	721985
30°	382149
35°	155724
40°	57836
45°	26484
50°	10862
55°	5677
60°	2797
65°	827
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26484 cd/sqm



TEST NUMBER: P752577

CATALOG NUMBER: LD4D70BD010-EU4DR5070959040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1176.2	15.0
10°-20°	2972.5	37.9
20°-30°	2670.1	34.1
30°-40°	836.0	10.7
40°-50°	146.4	1.9
50°-60°	29.2	0.4
60°-70°	4.4	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°	6818.7	87.0
0°-40°	7654.7	97.7
0°-60°	7830.2	99.9
0°-90°	7834.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7834.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12624	
5°	12444	###
15°	10806	2972
25°	5989	2670
35°	1168	836
45°	171	146
55°	30	29
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752577

CATALOG NUMBER: LD4D70BD010-EU4DR5070959040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	12623.6
2.5°	12560.8
5°	12443.7
7.5°	12264.9
10°	12098.9
12.5°	11566.7
15°	10805.8
17.5°	9839.4
20°	8747.4
22.5°	7484.1
25°	5988.8
27.5°	4403.0
30°	3029.0
32.5°	1972.1
35°	1167.5
37.5°	670.5
40°	405.5
42.5°	263.9
45°	171.4
47.5°	104.3
50°	63.9
52.5°	43.6
55°	29.8
57.5°	20.2
60°	12.8
62.5°	7.5
65°	3.2
67.5°	1.1
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)