

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: P752629

Luminaire Tested: LD4D70BD010-EU4DR5570959030-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR5570959030-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7301.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

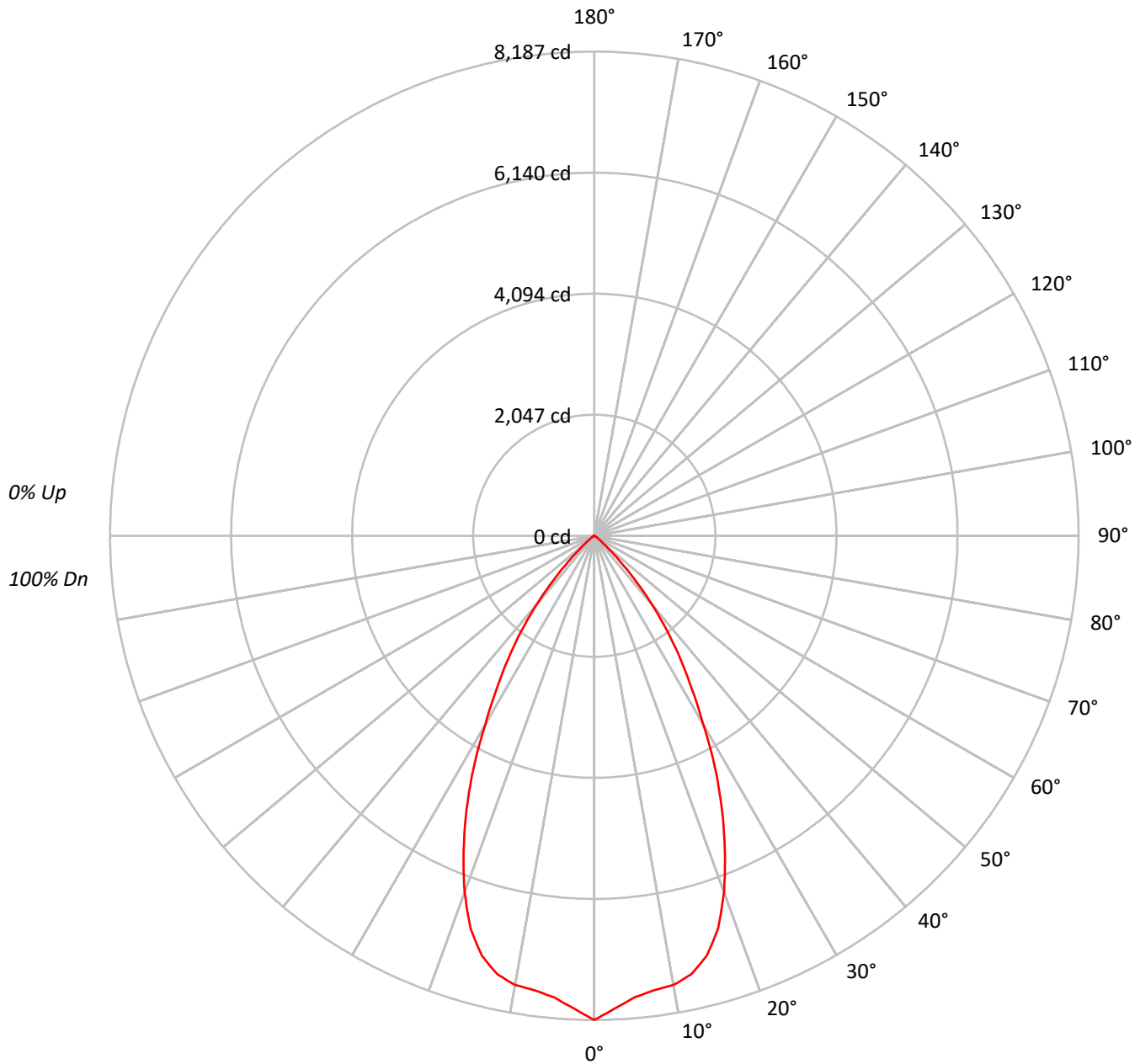


Downlight

TEST NUMBER: P752629

CATALOG NUMBER: LD4D70BD010-EU4DR5570959030-4LBS1H

Luminous Intensity Polar Plot



TEST NUMBER: P752629

CATALOG NUMBER: LD4D70BD010-EU4DR5570959030-4LBS1H

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	64	82	73	67	63	72	67	63		71	66	63		70
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	56	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	894518
5°	858988
10°	855751
15°	831169
20°	745263
25°	615920
30°	465253
35°	337338
40°	215884
45°	98598
50°	32245
55°	13906
60°	5987
65°	776
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 98598 cd/sqm



TEST NUMBER: P752629

CATALOG NUMBER: LD4D70BD010-EU4DR5570959030-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.2	10.2
10°-20°	2033.9	27.9
20°-30°	2317.8	31.7
30°-40°	1577.9	21.6
40°-50°	543.7	7.4
50°-60°	75.2	1.0
60°-70°	7.3	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°	5097.0	69.8
0°-40°	6674.9	91.4
0°-60°	7293.8	99.9
0°-90°	7301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8187	
5°	7832	745
15°	7348	2034
25°	5109	2318
35°	2529	1578
45°	638	544
55°	73	75
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752629

CATALOG NUMBER: LD4D70BD010-EU4DR5570959030-4LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	8187.0
2.5°	7999.3
5°	7831.9
7.5°	7749.7
10°	7713.2
12.5°	7591.5
15°	7348.0
17.5°	6961.5
20°	6409.6
22.5°	5772.5
25°	5109.0
27.5°	4418.1
30°	3687.7
32.5°	3068.8
35°	2529.1
37.5°	2015.8
40°	1513.6
42.5°	1049.0
45°	638.1
47.5°	343.9
50°	189.7
52.5°	112.6
55°	73.0
57.5°	46.7
60°	27.4
62.5°	12.2
65°	3.0
67.5°	1.0
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)