

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: P752747

Luminaire Tested: LD4D70BD010-EU4DR6070959050-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8009.4 lumens
Efficiency: N/A
Efficacy: 120.3 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): 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

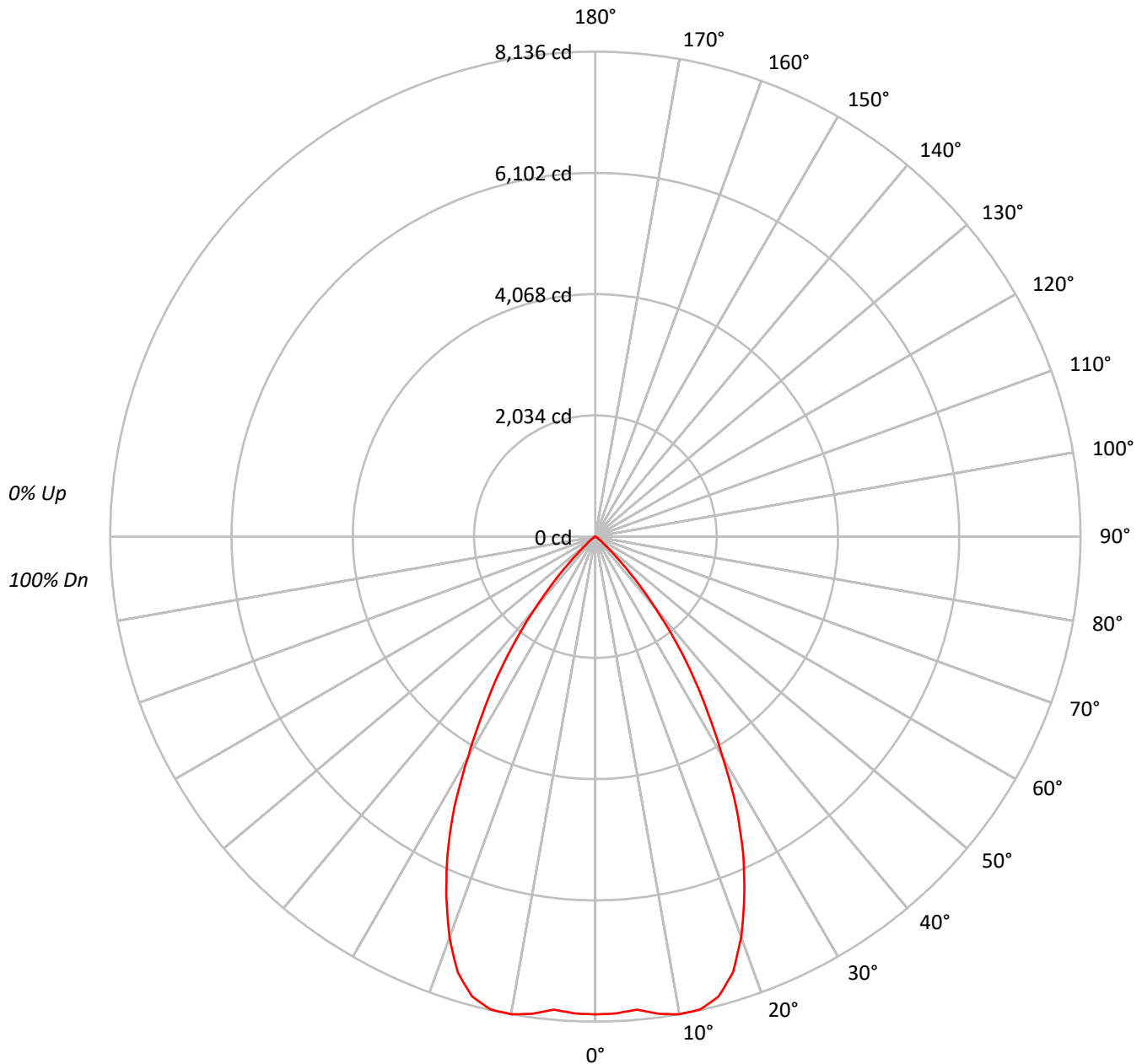


Downlight

TEST NUMBER: P752747

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P752747

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBS1LI

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	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	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	63	82	73	67	63	72	67	63		71	66	63		69
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	875758
5°	873619
10°	902637
15°	903563
20°	831374
25°	707145
30°	538819
35°	381035
40°	223743
45°	90285
50°	30137
55°	14515
60°	5966
65°	879
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 90285 cd/sqm



TEST NUMBER: P752747

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	768.4	9.6
10°-20°	2213.0	27.6
20°-30°	2648.6	33.1
30°-40°	1771.5	22.1
40°-50°	525.2	6.6
50°-60°	75.5	0.9
60°-70°	7.2	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°	5630.0	70.3
0°-40°	7401.5	92.4
0°-60°	8002.2	99.9
0°-90°	8009.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8009.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8015	
5°	7965	768
15°	7988	2213
25°	5866	2649
35°	2857	1772
45°	584	525
55°	76	76
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752747

CATALOG NUMBER: LD4D70BD010-EU4DR6070959050-4LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8015.3
2.5°	8005.1
5°	7965.3
7.5°	8073.3
10°	8135.8
12.5°	8124.4
15°	7988.0
17.5°	7666.3
20°	7150.2
22.5°	6530.7
25°	5865.7
27.5°	5116.6
30°	4270.8
32.5°	3516.0
35°	2856.7
37.5°	2196.2
40°	1568.7
42.5°	1034.5
45°	584.3
47.5°	299.0
50°	177.3
52.5°	114.8
55°	76.2
57.5°	48.9
60°	27.3
62.5°	11.4
65°	3.4
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)