

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: P752873

Luminaire Tested: LD4D70BD010-EU4DR7070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR7070959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7264.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

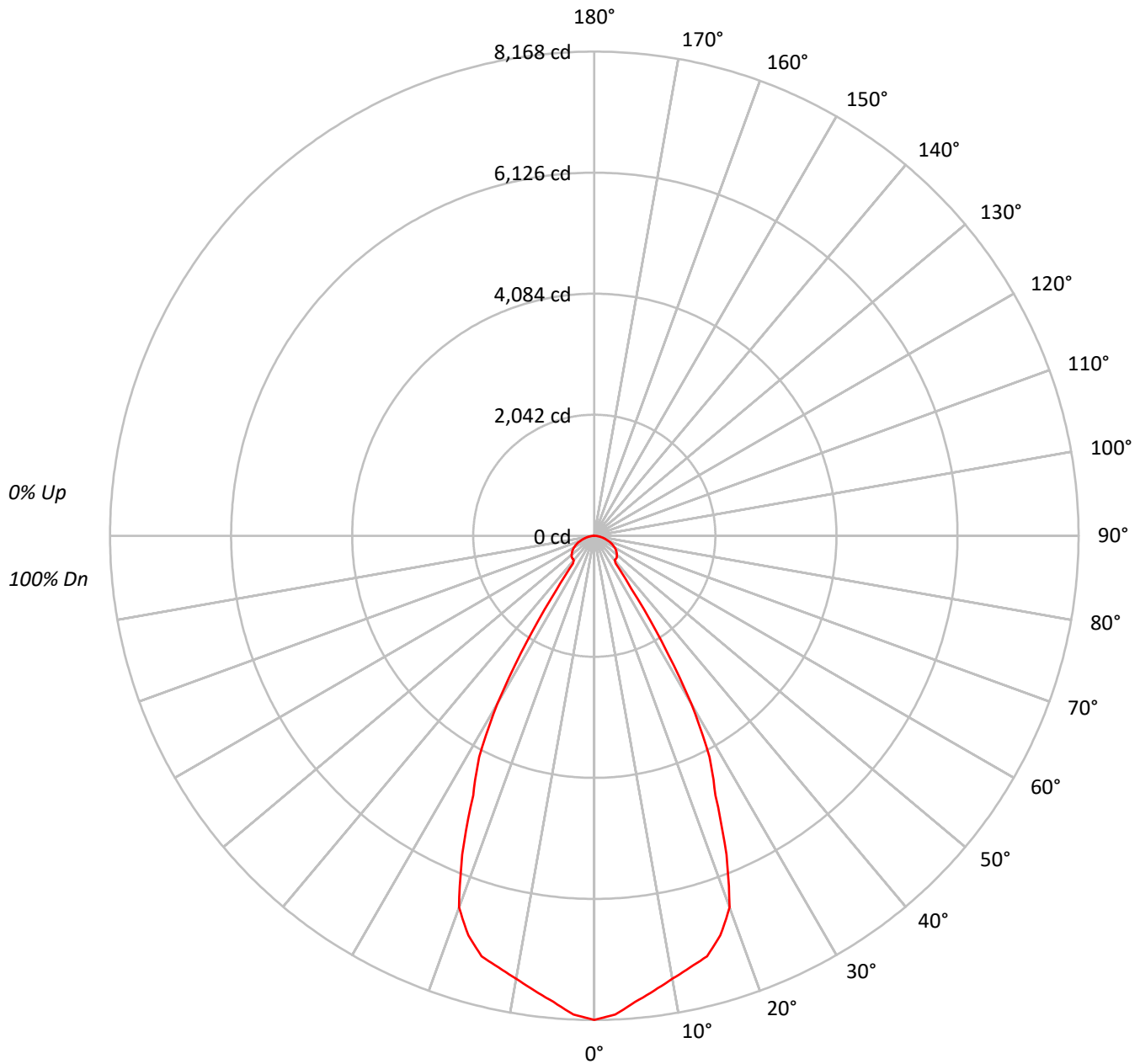


Downlight

TEST NUMBER: P752873

CATALOG NUMBER: LD4D70BD010-EU4DR7070959035-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P752873

CATALOG NUMBER: LD4D70BD010-EU4DR7070959035-4LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	112	109	106	103	110	107	104	102		103	101	99			99	97	96			91
2	106	100	95	91	103	98	94	90		95	91	88			92	89	86			83
3	100	92	87	82	98	91	86	81		88	84	80			86	82	79			76
4	94	86	80	75	92	85	79	74		82	77	73			80	76	73			70
5	89	80	74	69	87	79	73	69		77	72	68			75	71	67			65
6	85	75	68	64	83	74	68	64		73	67	63			71	66	63			61
7	80	70	64	59	79	70	64	59		68	63	59			67	62	59			57
8	77	66	60	56	75	66	60	56		65	59	55			64	59	55			53
9	73	63	57	52	72	62	56	52		61	56	52			60	55	52			50
10	70	59	53	49	69	59	53	49		58	53	49			57	52	49			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	892420
5°	865898
10°	841761
15°	830717
20°	775726
25°	582755
30°	411962
35°	145921
40°	76735
45°	81725
50°	84633
55°	86216
60°	86753
65°	84928
70°	80152
75°	74256
80°	65878
85°	53530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 86790 cd/sqm



TEST NUMBER: P752873

CATALOG NUMBER: LD4D70BD010-EU4DR7070959035-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.7	10.3
10°-20°	2042.6	28.1
20°-30°	2249.6	31.0
30°-40°	859.5	11.8
40°-50°	405.9	5.6
50°-60°	403.5	5.6
60°-70°	323.1	4.4
70°-80°	185.7	2.6
80°-90°	50.5	0.7
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°	5036.8	69.3
0°-40°	5896.3	81.2
0°-60°	6705.7	92.3
0°-90°	7264.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7264.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8168	
5°	7895	745
15°	7344	2043
25°	4834	2250
35°	1094	860
45°	529	406
55°	453	403
65°	328	323
75°	176	186
85°	43	50
90°	0	



TEST NUMBER: P752873

CATALOG NUMBER: LD4D70BD010-EU4DR7070959035-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8167.8
2.5°	8082.4
5°	7894.9
7.5°	7738.4
10°	7587.1
12.5°	7459.1
15°	7344.0
17.5°	7066.0
20°	6671.6
22.5°	5820.6
25°	4833.9
27.5°	4208.0
30°	3265.3
32.5°	2109.2
35°	1094.0
37.5°	591.0
40°	538.0
42.5°	534.1
45°	528.9
47.5°	517.3
50°	497.9
52.5°	475.9
55°	452.6
57.5°	426.8
60°	397.0
62.5°	363.4
65°	328.5
67.5°	289.7
70°	250.9
72.5°	212.1
75°	175.9
77.5°	138.4
80°	104.7
82.5°	73.7
85°	42.7
87.5°	16.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)