

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: P752846

Luminaire Tested: LD4D70BD010-EU4DR7070959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752846
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-EU4DR7070959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6645.9 lumens
Efficiency: N/A
Efficacy: 99.8 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

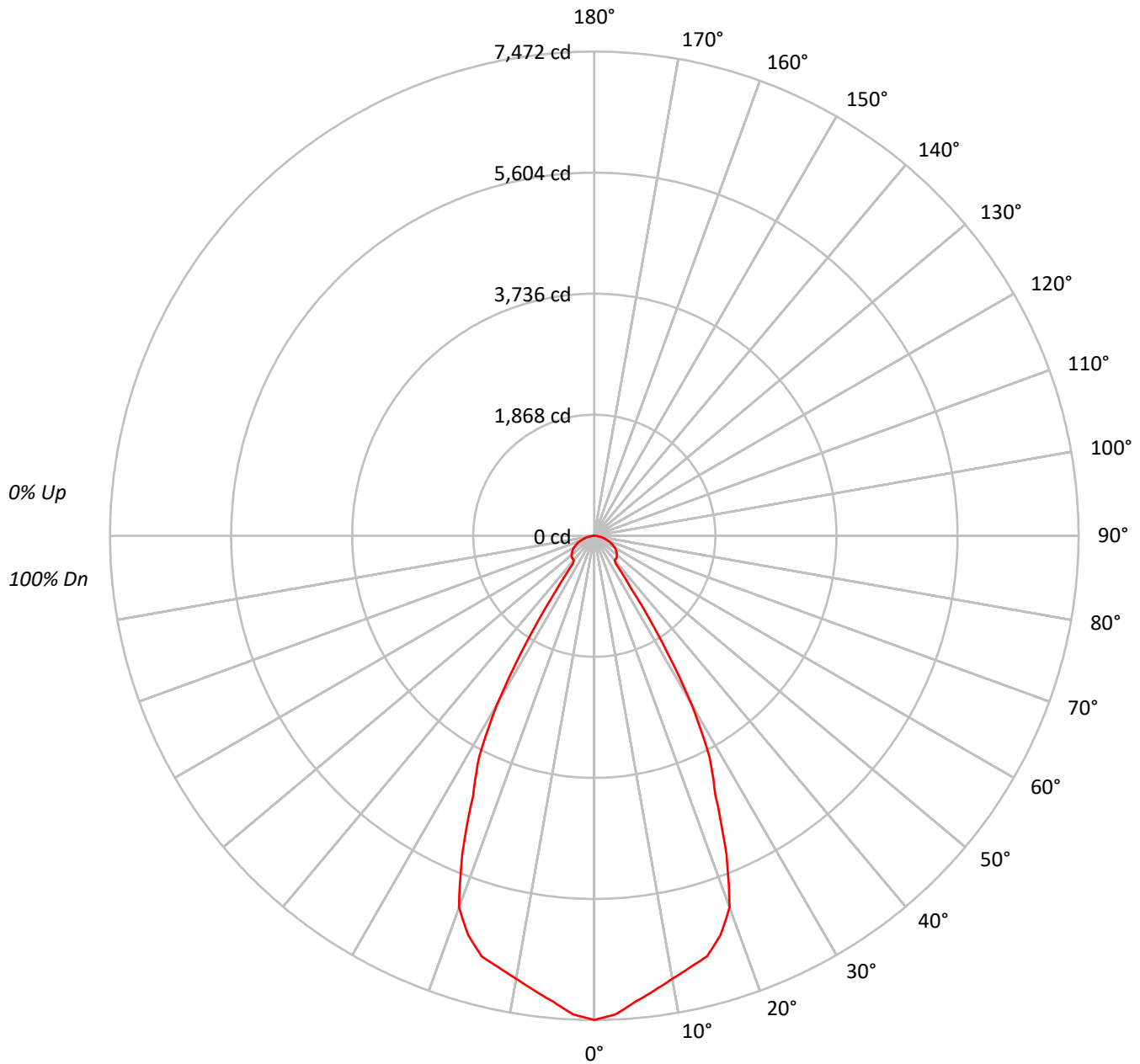


Downlight

TEST NUMBER: P752846

CATALOG NUMBER: LD4D70BD010-EU4DR7070959027-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P752846

CATALOG NUMBER: LD4D70BD010-EU4DR7070959027-4LBDP1H

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	816396
5°	792128
10°	770056
15°	759952
20°	709637
25°	533110
30°	376863
35°	133489
40°	70188
45°	74771
50°	77426
55°	78882
60°	79367
65°	77689
70°	73315
75°	67924
80°	60278
85°	48891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 79388 cd/sqm



TEST NUMBER: P752846

CATALOG NUMBER: LD4D70BD010-EU4DR7070959027-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.2	10.3
10°-20°	1868.6	28.1
20°-30°	2058.0	31.0
30°-40°	786.3	11.8
40°-50°	371.3	5.6
50°-60°	369.1	5.6
60°-70°	295.5	4.4
70°-80°	169.8	2.6
80°-90°	46.2	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°	4607.8	69.3
0°-40°	5394.0	81.2
0°-60°	6134.4	92.3
0°-90°	6645.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6645.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7472	
5°	7222	681
15°	6718	1869
25°	4422	2058
35°	1001	786
45°	484	371
55°	414	369
65°	300	296
75°	161	170
85°	39	46
90°	0	



TEST NUMBER: P752846

CATALOG NUMBER: LD4D70BD010-EU4DR7070959027-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7472.0
2.5°	7393.9
5°	7222.3
7.5°	7079.2
10°	6940.8
12.5°	6823.7
15°	6718.4
17.5°	6464.0
20°	6103.2
22.5°	5324.8
25°	4422.1
27.5°	3849.6
30°	2987.1
32.5°	1929.5
35°	1000.8
37.5°	540.6
40°	492.1
42.5°	488.6
45°	483.9
47.5°	473.2
50°	455.5
52.5°	435.4
55°	414.1
57.5°	390.4
60°	363.2
62.5°	332.4
65°	300.5
67.5°	265.0
70°	229.5
72.5°	194.0
75°	160.9
77.5°	126.6
80°	95.8
82.5°	67.4
85°	39.0
87.5°	15.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)