

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: P752306

Luminaire Tested: LD4D70BD010-EU4DR3570959027-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR3570959027-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6292.7 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

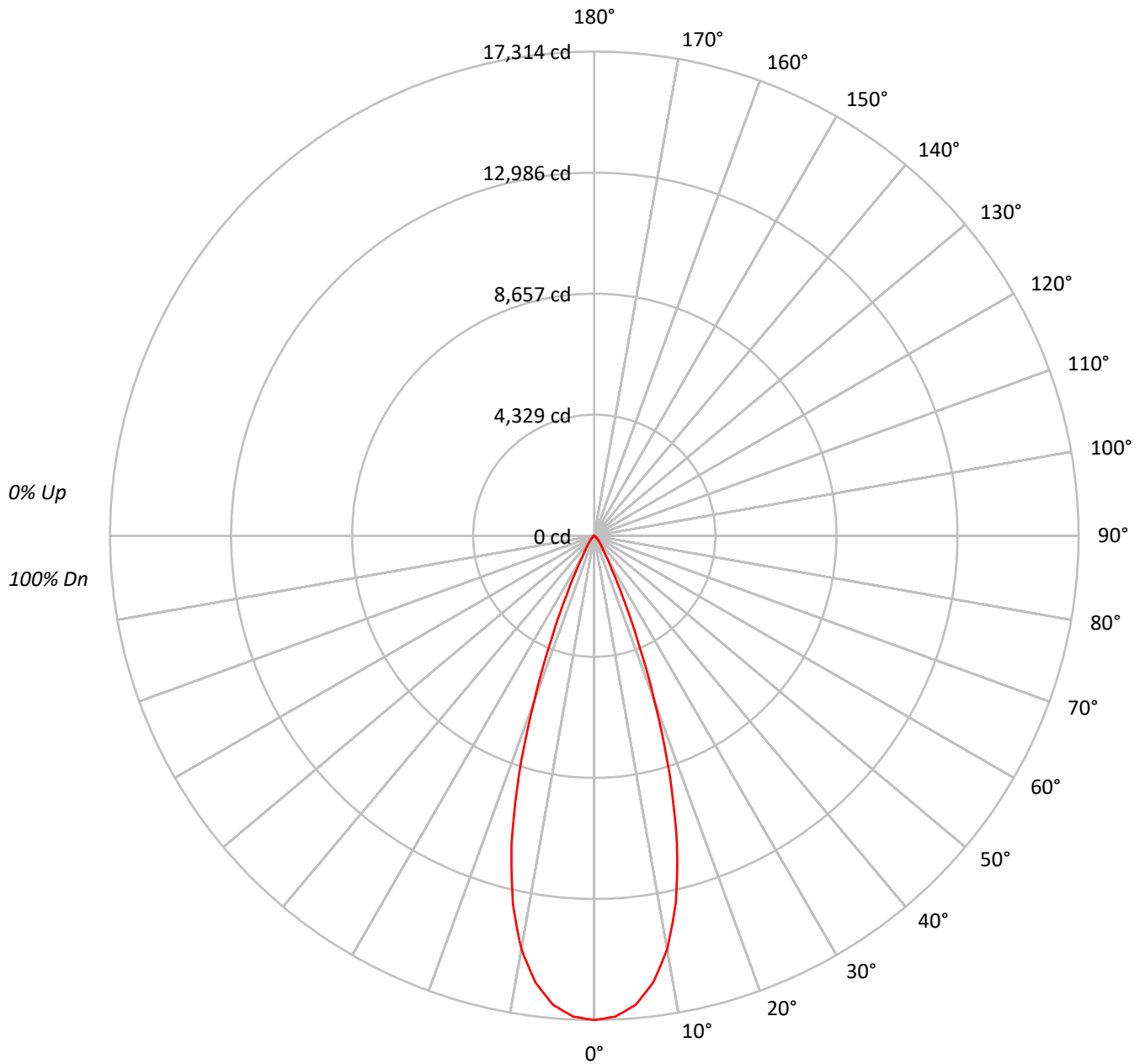


Downlight

TEST NUMBER: P752306

CATALOG NUMBER: LD4D70BD010-EU4DR3570959027-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752306

CATALOG NUMBER: LD4D70BD010-EU4DR3570959027-4LBS1MW

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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1891784
5°	1847330
10°	1664938
15°	1292260
20°	732949
25°	285151
30°	106381
35°	58315
40°	38111
45°	23193
50°	14771
55°	10439
60°	7626
65°	4162
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23193 cd/sqm



TEST NUMBER: P752306

CATALOG NUMBER: LD4D70BD010-EU4DR3570959027-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1549.1	24.6
10°-20°	3024.5	48.1
20°-30°	1233.5	19.6
30°-40°	295.2	4.7
40°-50°	123.0	2.0
50°-60°	50.9	0.8
60°-70°	16.0	0.3
70°-80°	0.4	0.0
80°-90°	0.2	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°	5807.0	92.3
0°-40°	6102.2	97.0
0°-60°	6276.2	99.7
0°-90°	6292.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6292.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17314	
5°	16843	###
15°	11424	3024
25°	2365	1233
35°	437	295
45°	150	123
55°	55	51
65°	16	16
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752306

CATALOG NUMBER: LD4D70BD010-EU4DR3570959027-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	17314.4
2.5°	17210.5
5°	16843.2
7.5°	16110.5
10°	15006.7
12.5°	13452.5
15°	11424.3
17.5°	8943.8
20°	6303.7
22.5°	4019.6
25°	2365.3
27.5°	1337.0
30°	843.2
32.5°	592.0
35°	437.2
37.5°	338.0
40°	267.2
42.5°	205.8
45°	150.1
47.5°	112.4
50°	86.9
52.5°	68.9
55°	54.8
57.5°	44.4
60°	34.9
62.5°	25.5
65°	16.1
67.5°	5.7
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)