

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: P752657

Luminaire Tested: LD4D70BD010-EU4DR5570959040-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752657
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-EU4DR5570959040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7337.9 lumens
Efficiency: N/A
Efficacy: 110.2 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

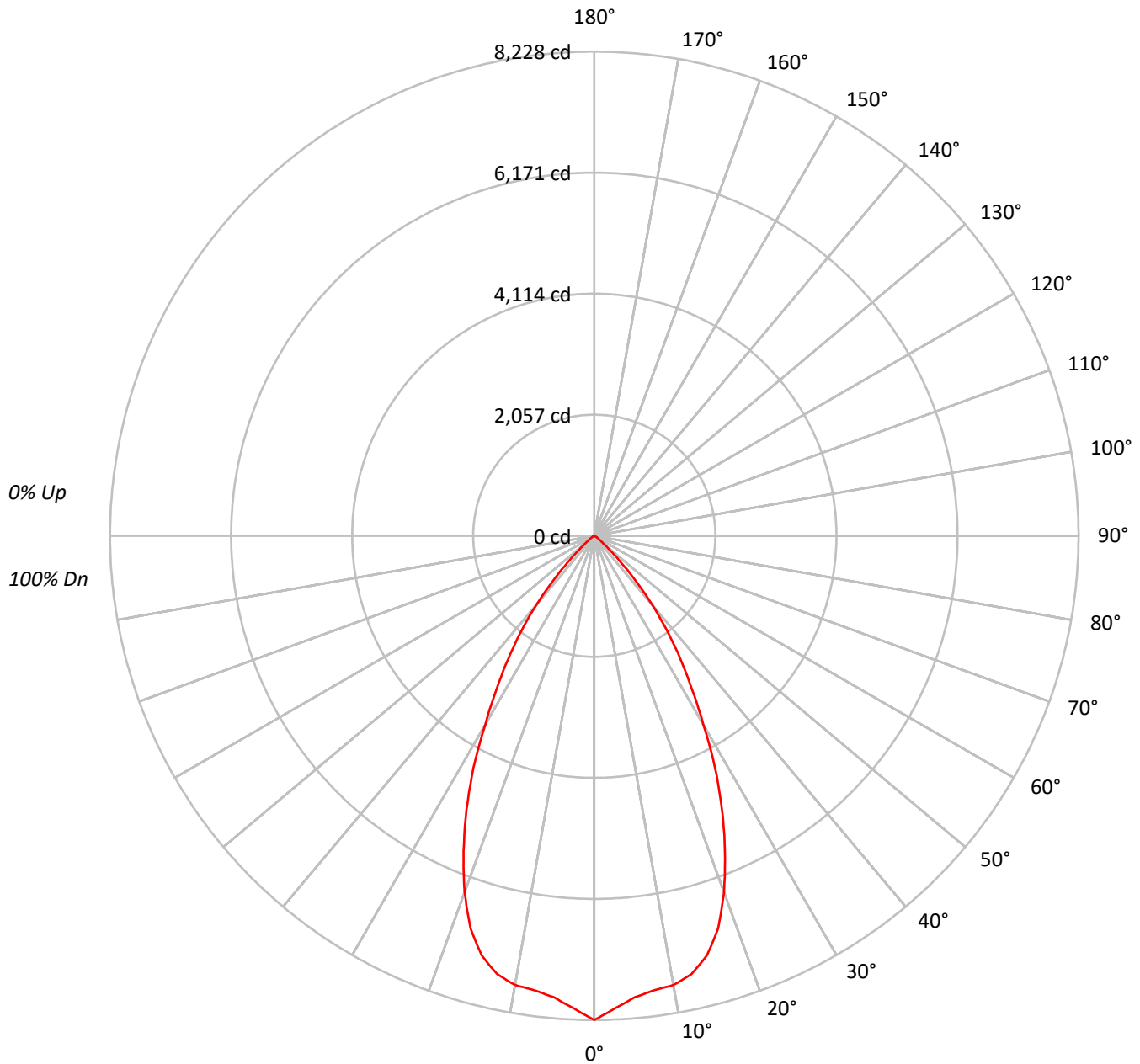


Downlight

TEST NUMBER: P752657

CATALOG NUMBER: LD4D70BD010-EU4DR5570959040-4LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P752657

CATALOG NUMBER: LD4D70BD010-EU4DR5570959040-4LBS1MW

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65		
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61		
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57		
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54		
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	899019
5°	863320
10°	860067
15°	835355
20°	749018
25°	619030
30°	467600
35°	339046
40°	216983
45°	99092
50°	32415
55°	13982
60°	6009
65°	801
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99092 cd/sqm

TEST NUMBER: P752657

CATALOG NUMBER: LD4D70BD010-EU4DR5570959040-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.0	10.2
10°-20°	2044.2	27.9
20°-30°	2329.5	31.7
30°-40°	1585.9	21.6
40°-50°	546.5	7.4
50°-60°	75.5	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°	5122.7	69.8
0°-40°	6708.6	91.4
0°-60°	7330.6	99.9
0°-90°	7337.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7337.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8228	
5°	7871	749
15°	7385	2044
25°	5135	2330
35°	2542	1586
45°	641	546
55°	73	76
65°	3	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752657

CATALOG NUMBER: LD4D70BD010-EU4DR5570959040-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8228.2
2.5°	8039.6
5°	7871.4
7.5°	7788.8
10°	7752.1
12.5°	7629.7
15°	7385.0
17.5°	6996.6
20°	6441.9
22.5°	5801.6
25°	5134.8
27.5°	4440.4
30°	3706.3
32.5°	3084.3
35°	2541.9
37.5°	2026.0
40°	1521.3
42.5°	1054.3
45°	641.3
47.5°	345.6
50°	190.7
52.5°	113.2
55°	73.4
57.5°	46.9
60°	27.5
62.5°	12.2
65°	3.1
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)