

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: P752607

Luminaire Tested: LD4D70BD010-EU4DR5570959024-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752607
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-EU4DR5570959024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5415.6 lumens
Efficiency: N/A
Efficacy: 81.3 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

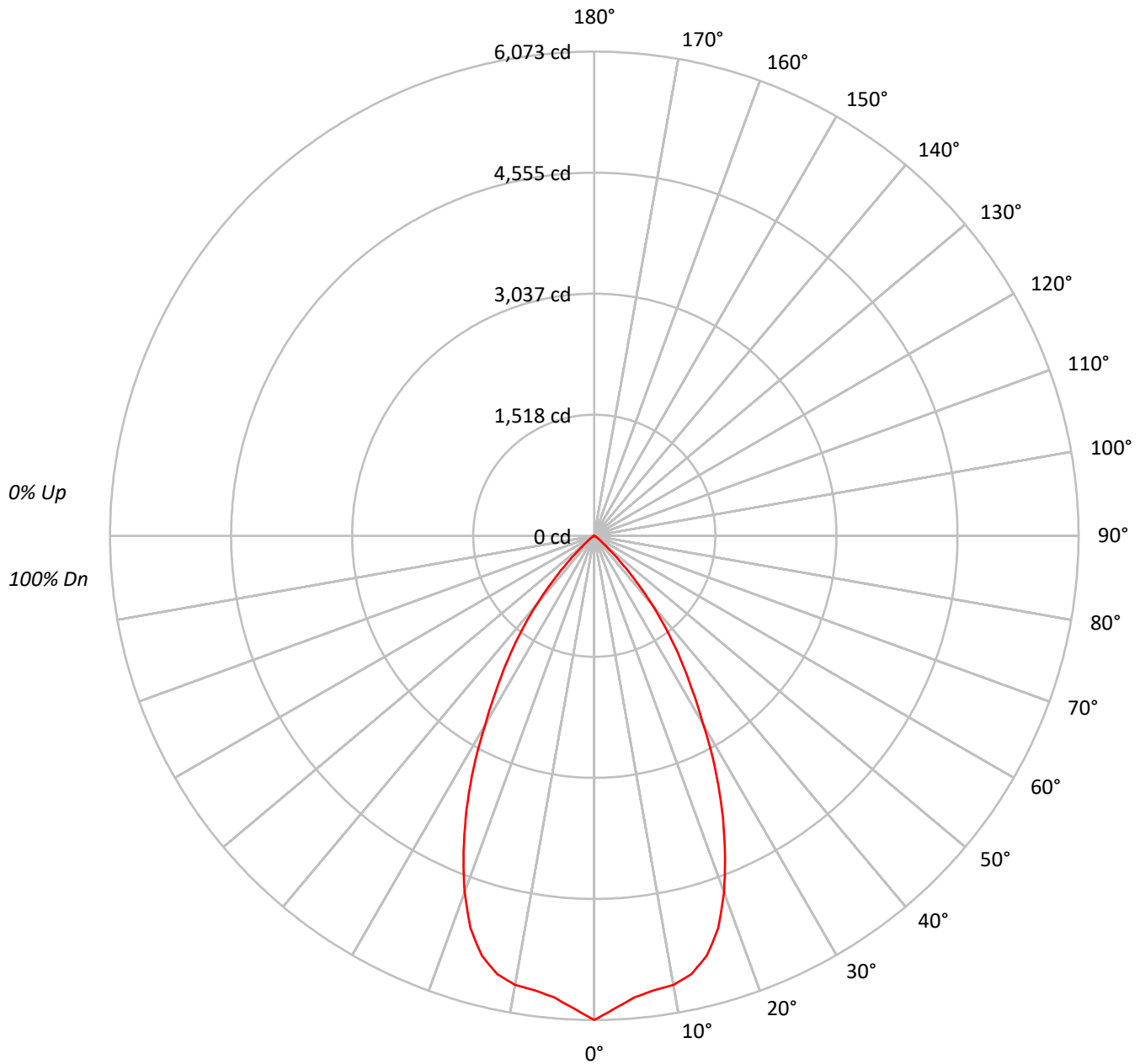
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P752607

CATALOG NUMBER: LD4D70BD010-EU4DR5570959024-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752607

CATALOG NUMBER: LD4D70BD010-EU4DR5570959024-4LBSQW1MW

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	663508
5°	637164
10°	634757
15°	616522
20°	552808
25°	456859
30°	345108
35°	250226
40°	160130
45°	73133
50°	23916
55°	10325
60°	4436
65°	595
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73133 cd/sqm



TEST NUMBER: P752607

CATALOG NUMBER: LD4D70BD010-EU4DR5570959024-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.8	10.2
10°-20°	1508.7	27.9
20°-30°	1719.3	31.7
30°-40°	1170.4	21.6
40°-50°	403.3	7.4
50°-60°	55.7	1.0
60°-70°	5.4	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°	3780.7	69.8
0°-40°	4951.1	91.4
0°-60°	5410.2	99.9
0°-90°	5415.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5415.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6073	
5°	5809	553
15°	5450	1509
25°	3790	1719
35°	1876	1170
45°	473	403
55°	54	56
65°	2	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752607

CATALOG NUMBER: LD4D70BD010-EU4DR5570959024-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6072.7
2.5°	5933.5
5°	5809.4
7.5°	5748.4
10°	5721.3
12.5°	5631.0
15°	5450.4
17.5°	5163.7
20°	4754.4
22.5°	4281.8
25°	3789.6
27.5°	3277.2
30°	2735.4
32.5°	2276.3
35°	1876.0
37.5°	1495.2
40°	1122.7
42.5°	778.1
45°	473.3
47.5°	255.1
50°	140.7
52.5°	83.5
55°	54.2
57.5°	34.6
60°	20.3
62.5°	9.0
65°	2.3
67.5°	0.8
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)