

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: P752432

Luminaire Tested: LD4D70BD010-EU4DR4070959050-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR4070959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7156.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

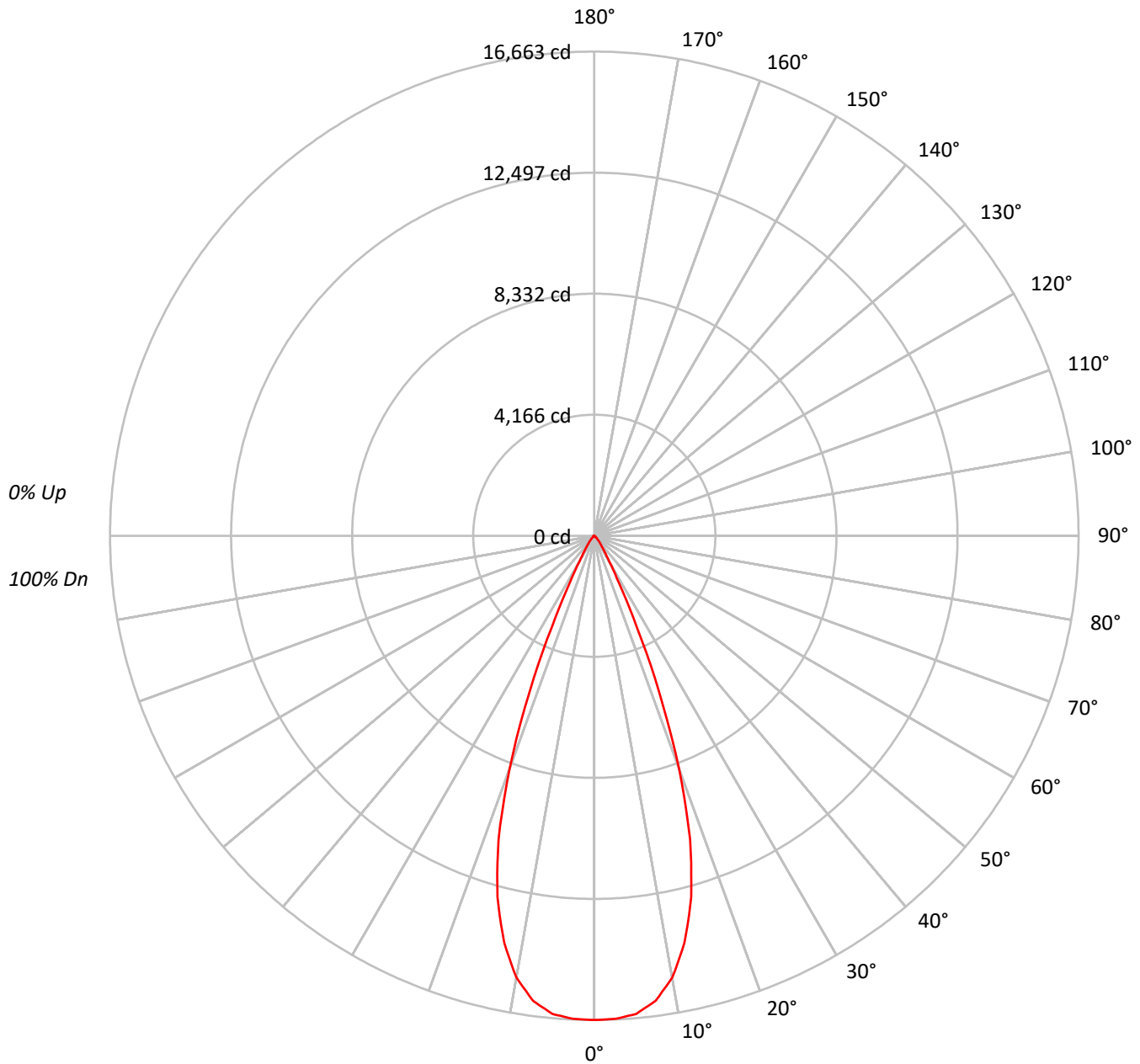


Downlight

TEST NUMBER: P752432

CATALOG NUMBER: LD4D70BD010-EU4DR4070959050-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752432

CATALOG NUMBER: LD4D70BD010-EU4DR4070959050-4LBDP1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	108	112	110	108	107	106	105	103		103	101	100		99
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93
4	102	97	92	89	101	95	91	88	93	90	87		92	89	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	95	88	84	80	94	88	83	80	86	82	80		85	82	79		84
7	92	85	80	77	91	84	80	77	83	79	76		82	79	76		81
8	89	82	77	74	88	81	77	74	80	76	73		79	76	73		78
9	86	79	74	71	85	78	74	71	77	73	71		76	73	70		76
10	83	76	71	68	82	75	71	68	75	71	68		74	70	68		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1820645
5°	1811795
10°	1712545
15°	1455881
20°	992284
25°	414025
30°	130175
35°	60502
40°	33461
45°	15344
50°	7445
55°	4076
60°	2120
65°	750
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15344 cd/sqm



TEST NUMBER: P752432

CATALOG NUMBER: LD4D70BD010-EU4DR4070959050-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1542.5	21.6
10°-20°	3455.6	48.3
20°-30°	1729.7	24.2
30°-40°	317.1	4.4
40°-50°	87.5	1.2
50°-60°	20.6	0.3
60°-70°	3.9	0.1
70°-80°	0.1	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°	6727.8	94.0
0°-40°	7044.9	98.4
0°-60°	7152.9	99.9
0°-90°	7156.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7156.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16663	
5°	16519	###
15°	12871	3456
25°	3434	1730
35°	454	317
45°	99	87
55°	21	21
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752432

CATALOG NUMBER: LD4D70BD010-EU4DR4070959050-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	16663.3
2.5°	16639.0
5°	16519.2
7.5°	16137.7
10°	15435.8
12.5°	14341.7
15°	12870.8
17.5°	10958.0
20°	8534.1
22.5°	5818.2
25°	3434.3
27.5°	1815.5
30°	1031.8
32.5°	666.8
35°	453.6
37.5°	324.2
40°	234.6
42.5°	160.6
45°	99.3
47.5°	63.3
50°	43.8
52.5°	31.2
55°	21.4
57.5°	13.6
60°	9.7
62.5°	5.8
65°	2.9
67.5°	1.9
70°	1.0
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)