

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: P752783

Luminaire Tested: LD4D70BD010-EU4DR6570959030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5128.1 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

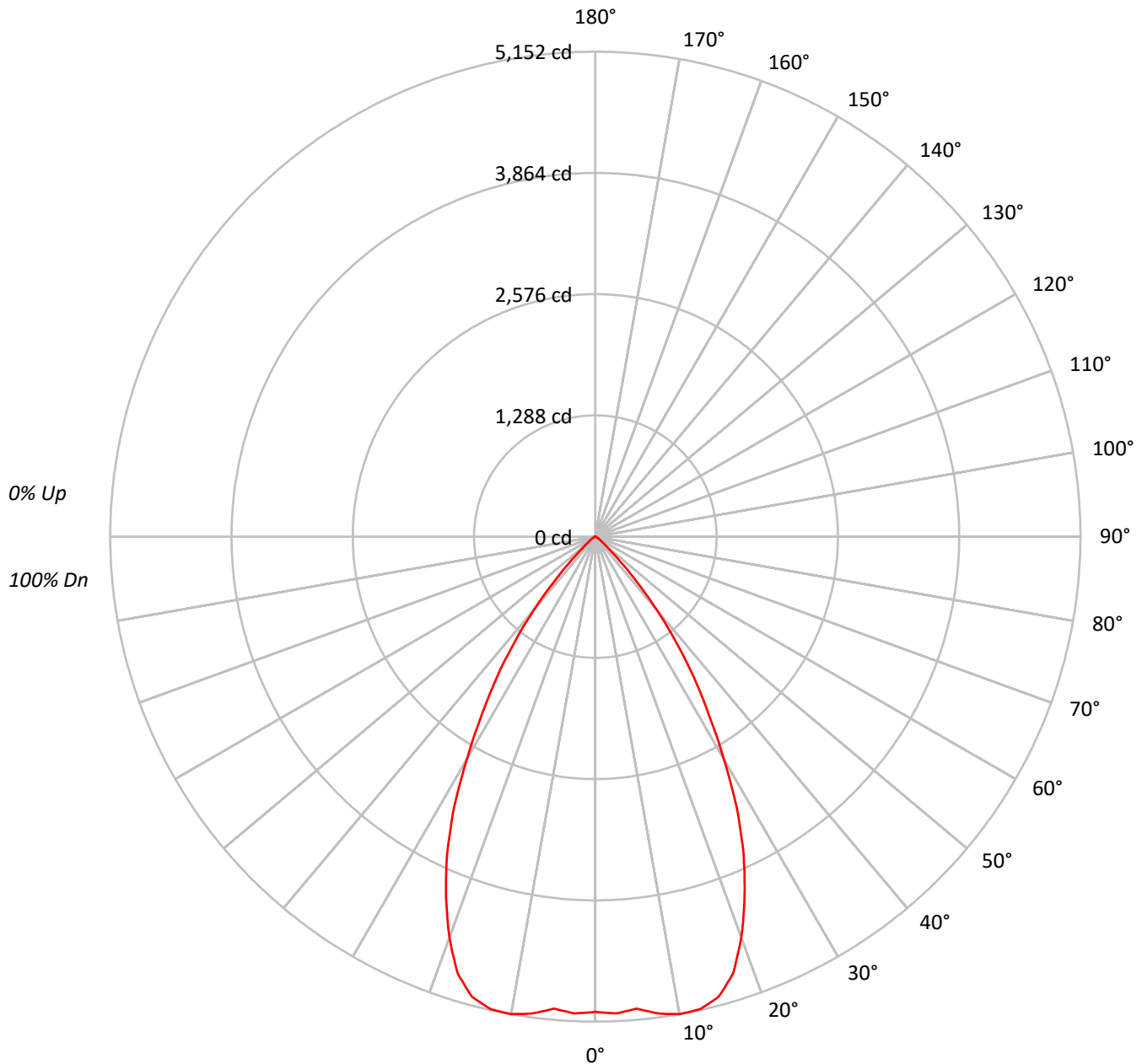


Downlight

TEST NUMBER: P752783

CATALOG NUMBER: LD4D70BD010-EU4DR6570959030-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752783

CATALOG NUMBER: LD4D70BD010-EU4DR6570959030-4LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	551647
5°	552098
10°	571540
15°	572487
20°	527065
25°	449095
30°	343795
35°	242890
40°	143371
45°	58207
50°	21094
55°	11753
60°	6752
65°	3697
70°	3897
75°	3039
80°	3146
85°	2758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58207 cd/sqm



TEST NUMBER: P752783

CATALOG NUMBER: LD4D70BD010-EU4DR6570959030-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.2	9.5
10°-20°	1402.4	27.3
20°-30°	1682.6	32.8
30°-40°	1130.7	22.1
40°-50°	338.5	6.6
50°-60°	59.7	1.2
60°-70°	17.0	0.3
70°-80°	8.3	0.2
80°-90°	2.6	0.1
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°	3571.1	69.6
0°-40°	4701.9	91.7
0°-60°	5100.1	99.5
0°-90°	5128.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5128.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5049	
5°	5034	486
15°	5061	1402
25°	3725	1683
35°	1821	1131
45°	377	339
55°	62	60
65°	14	17
75°	7	8
85°	2	3
90°	0	



TEST NUMBER: P752783

CATALOG NUMBER: LD4D70BD010-EU4DR6570959030-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5048.9
2.5°	5070.4
5°	5033.8
7.5°	5109.9
10°	5151.5
12.5°	5141.5
15°	5061.1
17.5°	4864.5
20°	4533.0
22.5°	4142.7
25°	3725.2
27.5°	3253.8
30°	2725.0
32.5°	2245.7
35°	1821.0
37.5°	1401.2
40°	1005.2
42.5°	656.5
45°	376.7
47.5°	199.5
50°	124.1
52.5°	86.1
55°	61.7
57.5°	44.5
60°	30.9
62.5°	20.1
65°	14.3
67.5°	12.9
70°	12.2
72.5°	9.3
75°	7.2
77.5°	6.5
80°	5.0
82.5°	3.6
85°	2.2
87.5°	1.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)