

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: P752709

Luminaire Tested: LD4D70BD010-EU4DR6070959030-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959030-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6804.7 lumens
Efficiency: N/A
Efficacy: 102.2 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

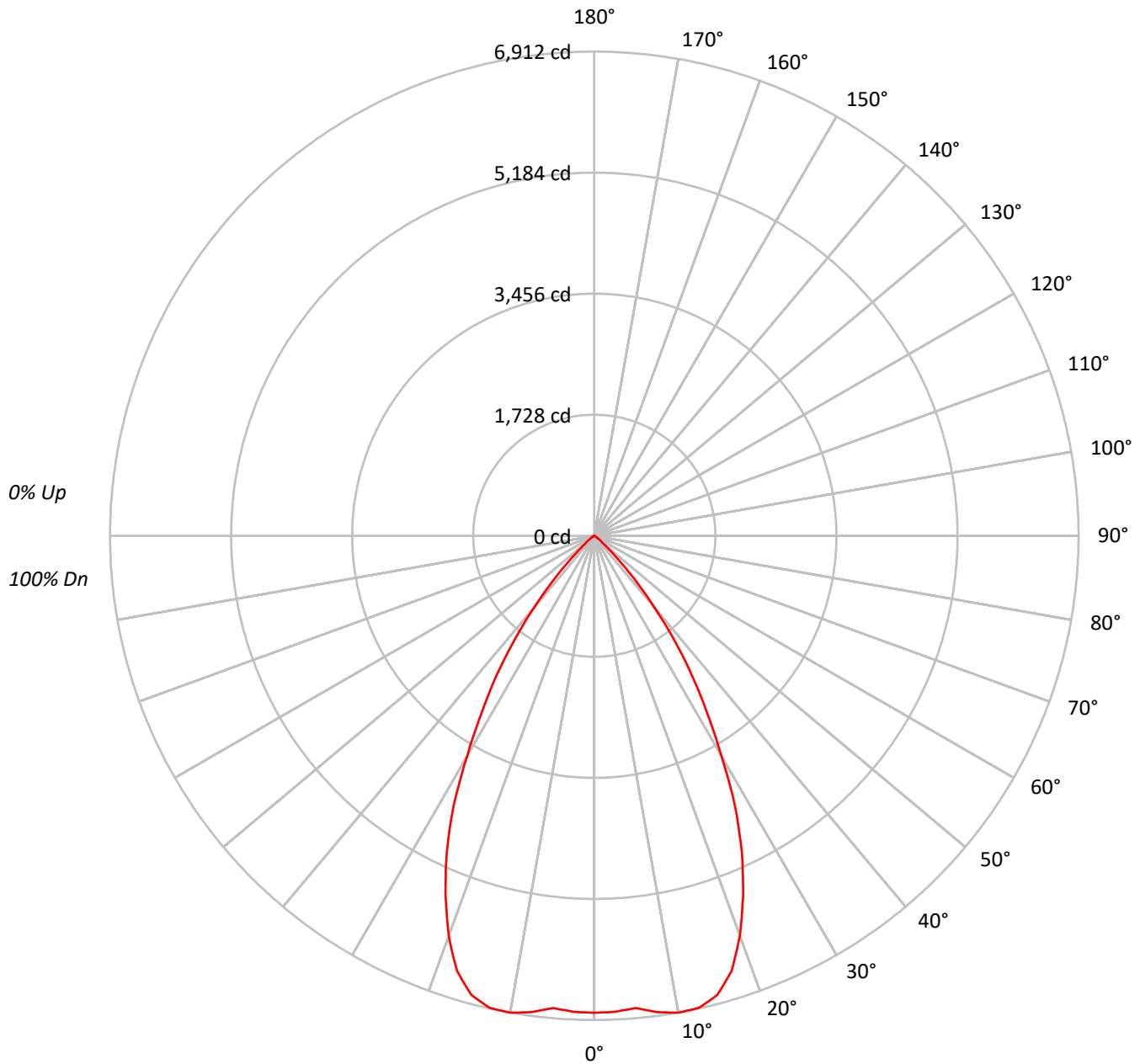


Downlight

TEST NUMBER: P752709

CATALOG NUMBER: LD4D70BD010-EU4DR6070959030-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752709

CATALOG NUMBER: LD4D70BD010-EU4DR6070959030-4LBS1MW

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
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	87	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	63		82	73	67	63		72	67	63		71	66	63		69	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	61	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	744033
5°	742214
10°	766872
15°	767655
20°	706334
25°	600778
30°	457771
35°	323720
40°	190097
45°	76703
50°	25616
55°	12325
60°	5070
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76703 cd/sqm



TEST NUMBER: P752709

CATALOG NUMBER: LD4D70BD010-EU4DR6070959030-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.8	9.6
10°-20°	1880.1	27.6
20°-30°	2250.2	33.1
30°-40°	1505.1	22.1
40°-50°	446.2	6.6
50°-60°	64.1	0.9
60°-70°	6.1	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°	4783.2	70.3
0°-40°	6288.2	92.4
0°-60°	6798.6	99.9
0°-90°	6804.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6804.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6810	
5°	6767	653
15°	6786	1880
25°	4983	2250
35°	2427	1505
45°	496	446
55°	65	64
65°	3	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752709

CATALOG NUMBER: LD4D70BD010-EU4DR6070959030-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6809.7
2.5°	6801.0
5°	6767.2
7.5°	6859.0
10°	6912.1
12.5°	6902.4
15°	6786.5
17.5°	6513.2
20°	6074.8
22.5°	5548.4
25°	4983.4
27.5°	4347.0
30°	3628.4
32.5°	2987.2
35°	2427.0
37.5°	1865.9
40°	1332.8
42.5°	878.9
45°	496.4
47.5°	254.0
50°	150.7
52.5°	97.5
55°	64.7
57.5°	41.5
60°	23.2
62.5°	9.7
65°	2.9
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)