

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: P752683

Luminaire Tested: LD4D70BD010-EU4DR6070959024-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752683
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-EU4DR6070959024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5830.9 lumens
Efficiency: N/A
Efficacy: 87.6 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

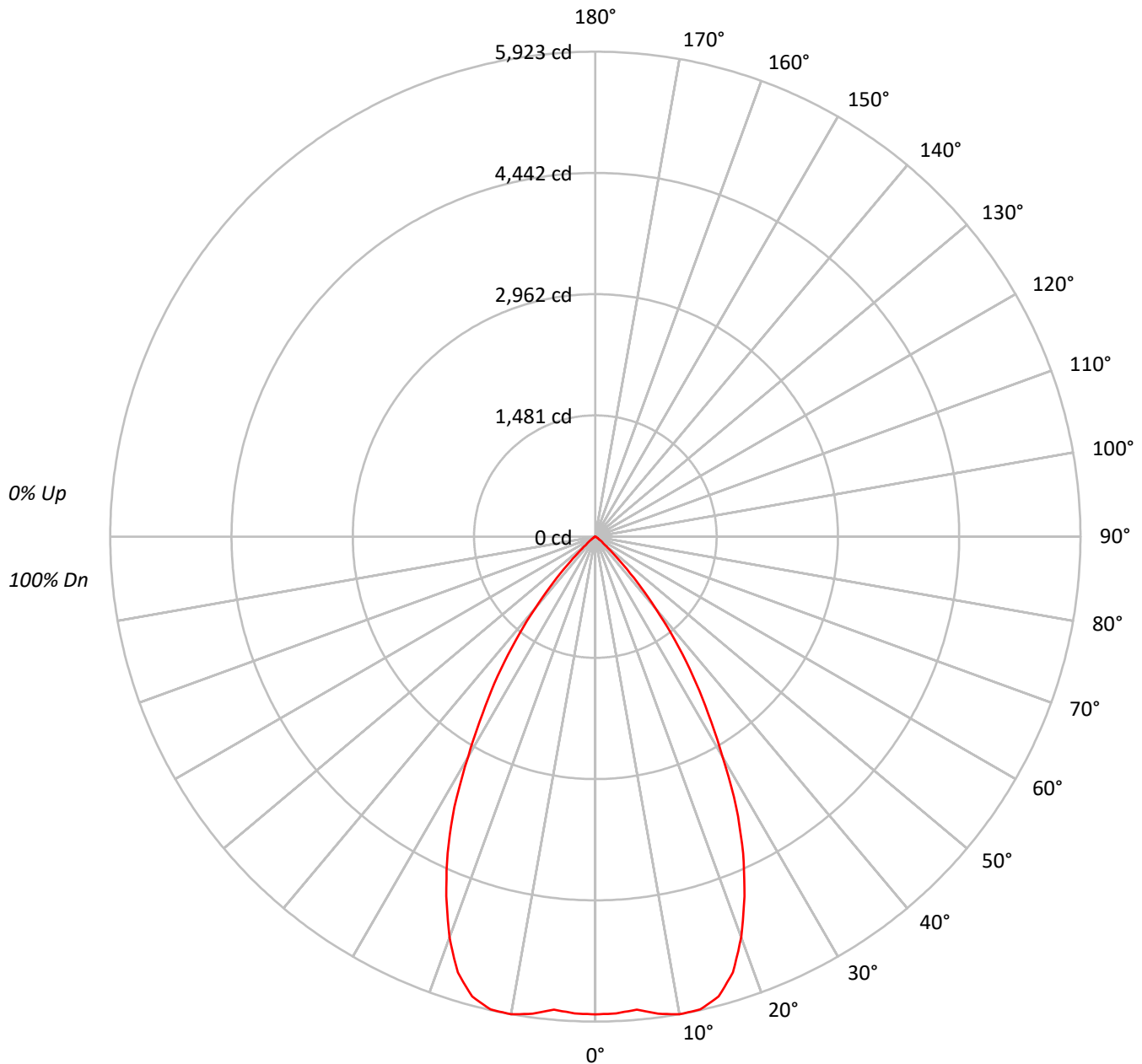


Downlight

TEST NUMBER: P752683

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P752683

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBS1MW

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°	637558
5°	636001
10°	657124
15°	657798
20°	605247
25°	514798
30°	392267
35°	277396
40°	162883
45°	65732
50°	21944
55°	10553
60°	4349
65°	646
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65732 cd/sqm



TEST NUMBER: P752683

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.4	9.6
10°-20°	1611.0	27.6
20°-30°	1928.2	33.1
30°-40°	1289.7	22.1
40°-50°	382.4	6.6
50°-60°	55.0	0.9
60°-70°	5.2	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°	4098.6	70.3
0°-40°	5388.3	92.4
0°-60°	5825.7	99.9
0°-90°	5830.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5830.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5835	
5°	5799	559
15°	5815	1611
25°	4270	1928
35°	2080	1290
45°	425	382
55°	55	55
65°	2	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P752683

CATALOG NUMBER: LD4D70BD010-EU4DR6070959024-4LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5835.2
2.5°	5827.7
5°	5798.8
7.5°	5877.4
10°	5922.9
12.5°	5914.6
15°	5815.3
17.5°	5581.1
20°	5205.4
22.5°	4754.4
25°	4270.2
27.5°	3724.9
30°	3109.2
32.5°	2559.7
35°	2079.7
37.5°	1598.9
40°	1142.0
42.5°	753.1
45°	425.4
47.5°	217.6
50°	129.1
52.5°	83.6
55°	55.4
57.5°	35.6
60°	19.9
62.5°	8.3
65°	2.5
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)