

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: P752261

Luminaire Tested: LD4D70BD010-EU4DR3070959040-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR3070959040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7006.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

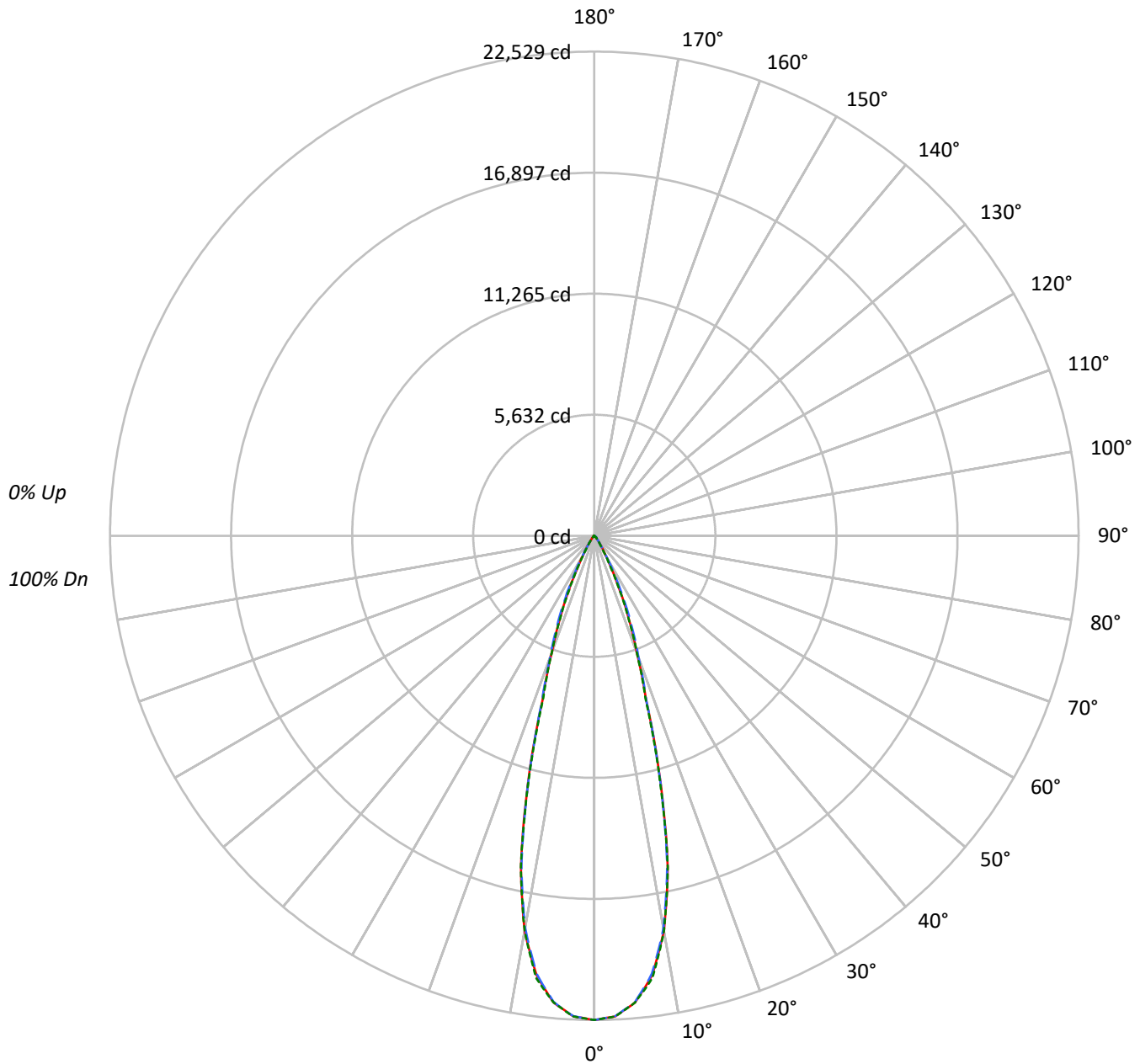


Downlight

TEST NUMBER: P752261

CATALOG NUMBER: LD4D70BD010-EU4DR3070959040-4LBDP1H

Luminous Intensity Polar Plot



TEST NUMBER: P752261

CATALOG NUMBER: LD4D70BD010-EU4DR3070959040-4LBDP1H

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1724461	1724461	1724461
5°	1674959	1672999	1675043
10°	1450769	1440533	1450419
15°	946556	941469	936738
20°	470676	488336	470049
25°	237094	267363	232238
30°	94925	103437	82710
35°	44030	42170	35349
40°	19015	21113	17906
45°	13412	16638	13531
50°	4608	12122	4870
55°	2656	5018	2802
60°	1868	2204	1868
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16638 cd/sqm



TEST NUMBER: P752261

CATALOG NUMBER: LD4D70BD010-EU4DR3070959040-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1981.1	28.3
10°-20°	3190.6	45.5
20°-30°	1378.7	19.7
30°-40°	314.2	4.5
40°-50°	107.9	1.5
50°-60°	26.4	0.4
60°-70°	6.8	0.1
70°-80°	0.7	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°	6550.4	93.5
0°-40°	6864.7	98.0
0°-60°	6998.9	99.9
0°-90°	7006.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7006.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22529	22529	22529	22529	22529	
5°	21799	21778	21774	21819	21800	1983
15°	11945	11801	11881	11842	11821	3198
25°	2807	2914	3166	2839	2750	1344
35°	471	481	451	448	378	320
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P752261

CATALOG NUMBER: LD4D70BD010-EU4DR3070959040-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22529.2	22529.2	22529.2	22529.2	22529.2
2.5°	22379.9	22364.4	22373.2	22384.3	22388.7
5°	21799.2	21778.2	21773.7	21819.1	21800.3
7.5°	20627.8	20597.9	20552.6	20655.5	20751.7
10°	18665.6	18632.4	18533.9	18582.6	18661.1
12.5°	15768.7	15661.4	15659.2	15814.0	15793.0
15°	11944.9	11801.1	11880.7	11842.0	11821.0
17.5°	8032.6	7977.2	8083.4	8051.4	7913.1
20°	5778.3	5792.7	5995.1	5893.3	5770.6
22.5°	4216.5	4268.5	4508.5	4246.3	4150.1
25°	2807.3	2913.5	3165.7	2839.4	2749.8
27.5°	1726.6	1775.3	2030.8	1704.5	1655.8
30°	1074.0	1049.7	1170.3	1004.3	935.8
32.5°	704.6	673.6	712.3	639.3	584.0
35°	471.2	481.2	451.3	448.0	378.3
37.5°	294.2	338.5	298.6	318.6	243.3
40°	190.3	245.6	211.3	233.4	179.2
42.5°	156.0	189.1	173.7	184.7	159.3
45°	123.9	153.7	153.7	153.7	125.0
47.5°	68.6	102.9	131.6	105.1	73.0
50°	38.7	52.0	101.8	54.2	40.9
52.5°	26.5	29.9	69.7	31.0	27.7
55°	19.9	21.0	37.6	22.1	21.0
57.5°	15.5	16.6	19.9	16.6	15.5
60°	12.2	12.2	14.4	13.3	12.2
62.5°	8.8	8.8	10.0	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)