

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: P752994

Luminaire Tested: LD4D75BD010-EU4DR3070959024-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752994
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: LD4D75BD010-EU4DR3070959024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6630.4 lumens
Efficiency: N/A
Efficacy: 91.6 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): 72.4
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

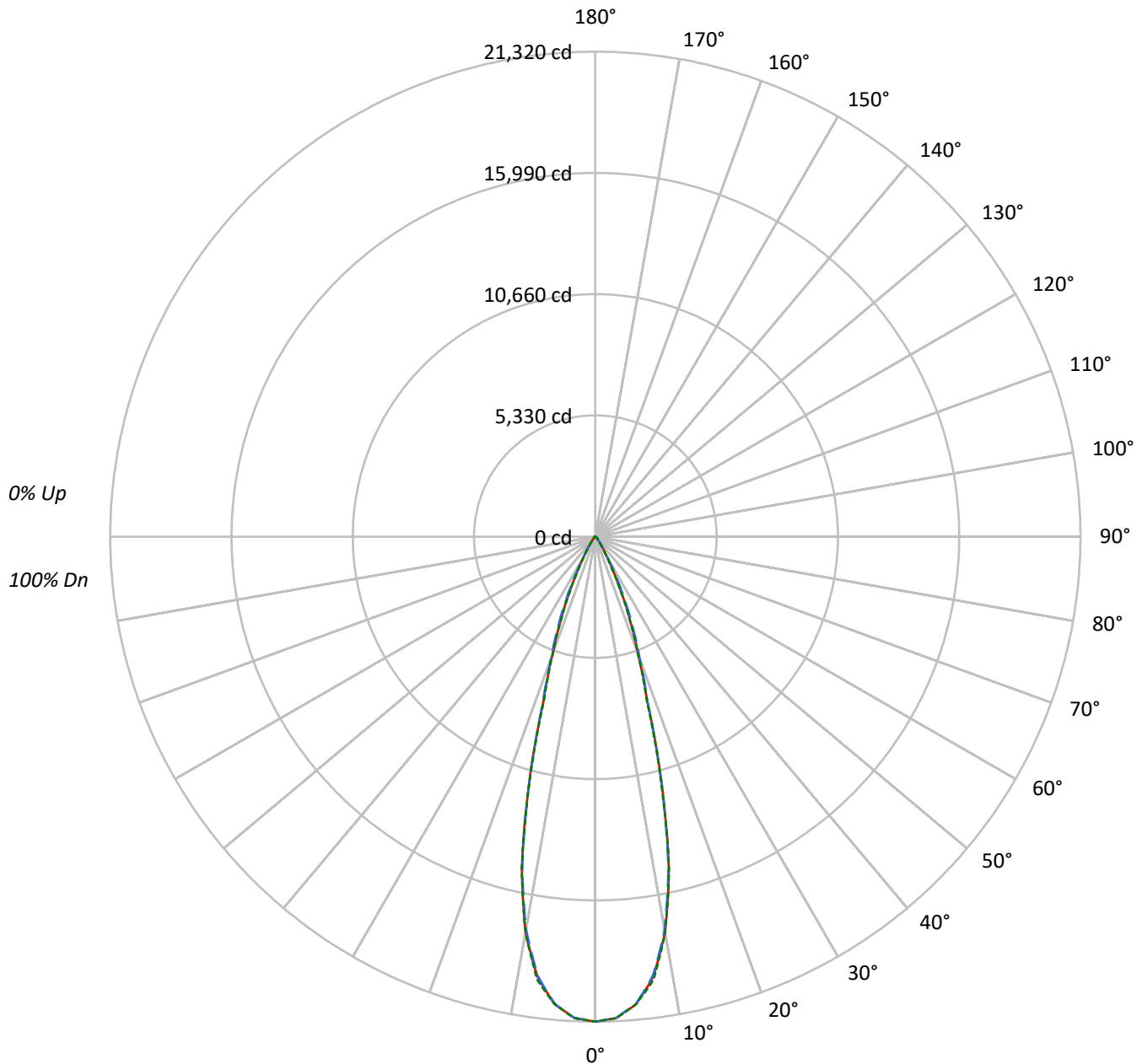


Downlight

TEST NUMBER: P752994

CATALOG NUMBER: LD4D75BD010-EU4DR3070959024-4LBS1LI

Luminous Intensity Polar Plot



TEST NUMBER: P752994

CATALOG NUMBER: LD4D75BD010-EU4DR3070959024-4LBS1LI

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°	1631913	1631913	1631913
5°	1585061	1583209	1585137
10°	1372905	1363220	1372578
15°	895753	890943	886458
20°	445416	462123	444822
25°	224367	253014	219772
30°	89834	97886	78265
35°	41666	39909	33452
40°	17986	19974	16946
45°	12687	15750	12806
50°	4358	11467	4608
55°	2509	4751	2656
60°	1760	2082	1760
65°	1141	1141	1141
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15750 cd/sqm

TEST NUMBER: P752994

CATALOG NUMBER: LD4D75BD010-EU4DR3070959024-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1874.8	28.3
10°-20°	3019.3	45.5
20°-30°	1304.7	19.7
30°-40°	297.4	4.5
40°-50°	102.1	1.5
50°-60°	24.9	0.4
60°-70°	6.5	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°	6198.9	93.5
0°-40°	6496.2	98.0
0°-60°	6623.3	99.9
0°-90°	6630.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6630.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21320	21320	21320	21320	21320	
5°	20629	20609	20605	20648	20630	1876
15°	11304	11168	11243	11206	11186	3027
25°	2657	2757	2996	2687	2602	1272
35°	446	455	427	424	358	302
45°	117	146	146	146	118	83
55°	19	20	36	21	20	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P752994

CATALOG NUMBER: LD4D75BD010-EU4DR3070959024-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21320.1	21320.1	21320.1	21320.1	21320.1
2.5°	21178.7	21164.1	21172.5	21182.9	21187.1
5°	20629.2	20609.3	20605.1	20648.0	20630.2
7.5°	19520.7	19492.4	19449.5	19546.9	19637.9
10°	17663.8	17632.4	17539.2	17585.3	17659.6
12.5°	14922.4	14820.8	14818.7	14965.3	14945.4
15°	11303.8	11167.7	11243.1	11206.4	11186.5
17.5°	7601.4	7549.1	7649.6	7619.2	7488.4
20°	5468.2	5481.8	5673.3	5577.0	5460.9
22.5°	3990.2	4039.4	4266.5	4018.4	3927.4
25°	2656.6	2757.1	2995.8	2687.0	2602.2
27.5°	1634.0	1680.0	1921.8	1613.0	1567.0
30°	1016.4	993.4	1107.5	950.4	885.5
32.5°	666.8	637.5	674.1	605.0	552.7
35°	445.9	455.3	427.1	423.9	358.0
37.5°	278.4	320.3	282.6	301.5	230.3
40°	180.0	232.4	199.9	220.9	169.6
42.5°	147.6	179.0	164.3	174.8	150.7
45°	117.2	145.5	145.5	145.5	118.3
47.5°	64.9	97.3	124.6	99.4	69.1
50°	36.6	49.2	96.3	51.3	38.7
52.5°	25.1	28.3	65.9	29.3	26.2
55°	18.8	19.9	35.6	20.9	19.9
57.5°	14.7	15.7	18.8	15.7	14.7
60°	11.5	11.5	13.6	12.6	11.5
62.5°	8.4	8.4	9.4	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)