

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: P753679

Luminaire Tested: LD4D75BD010-EU4DR7070959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR7070959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8094.9 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' 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

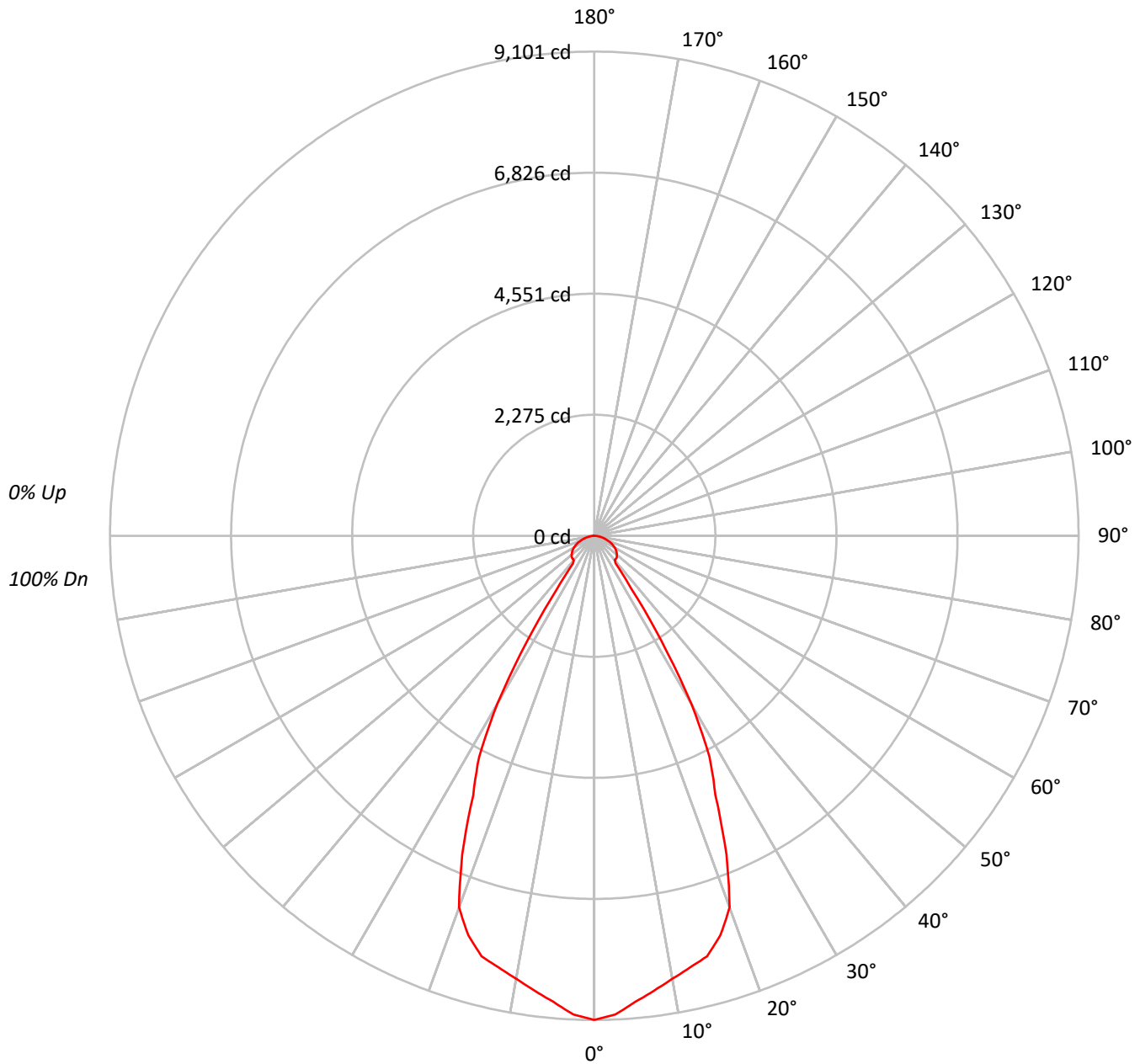


Downlight

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Luminous Intensity Polar Plot





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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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	994371
5°	964827
10°	937940
15°	925632
20°	864349
25°	649338
30°	459033
35°	162594
40°	85492
45°	91057
50°	94305
55°	96064
60°	96674
65°	94623
70°	89288
75°	82742
80°	73429
85°	59673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 96694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	829.7	10.3
10°-20°	2275.9	28.1
20°-30°	2506.6	31.0
30°-40°	957.7	11.8
40°-50°	452.2	5.6
50°-60°	449.6	5.6
60°-70°	359.9	4.4
70°-80°	206.9	2.6
80°-90°	56.2	0.7
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°	5612.3	69.3
0°-40°	6570.0	81.2
0°-60°	7471.8	92.3
0°-90°	8094.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8094.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9101	
5°	8797	830
15°	8183	2276
25°	5386	2507
35°	1219	958
45°	589	452
55°	504	450
65°	366	360
75°	196	207
85°	48	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9100.9
2.5°	9005.8
5°	8796.9
7.5°	8622.5
10°	8454.0
12.5°	8311.3
15°	8183.1
17.5°	7873.3
20°	7433.8
22.5°	6485.6
25°	5386.2
27.5°	4688.8
30°	3638.4
32.5°	2350.2
35°	1219.0
37.5°	658.5
40°	599.4
42.5°	595.1
45°	589.3
47.5°	576.4
50°	554.8
52.5°	530.3
55°	504.3
57.5°	475.5
60°	442.4
62.5°	404.9
65°	366.0
67.5°	322.8
70°	279.5
72.5°	236.3
75°	196.0
77.5°	154.2
80°	116.7
82.5°	82.1
85°	47.6
87.5°	18.7
90°	0.0



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— 0°-180°







(END OF REPORT)