

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: P756734

Luminaire Tested: LD4D95BD010-EU4DR7070959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756734
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: LD4D95BD010-EU4DR7070959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7995.4 lumens
Efficiency: N/A
Efficacy: 80.6 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): 99.2
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

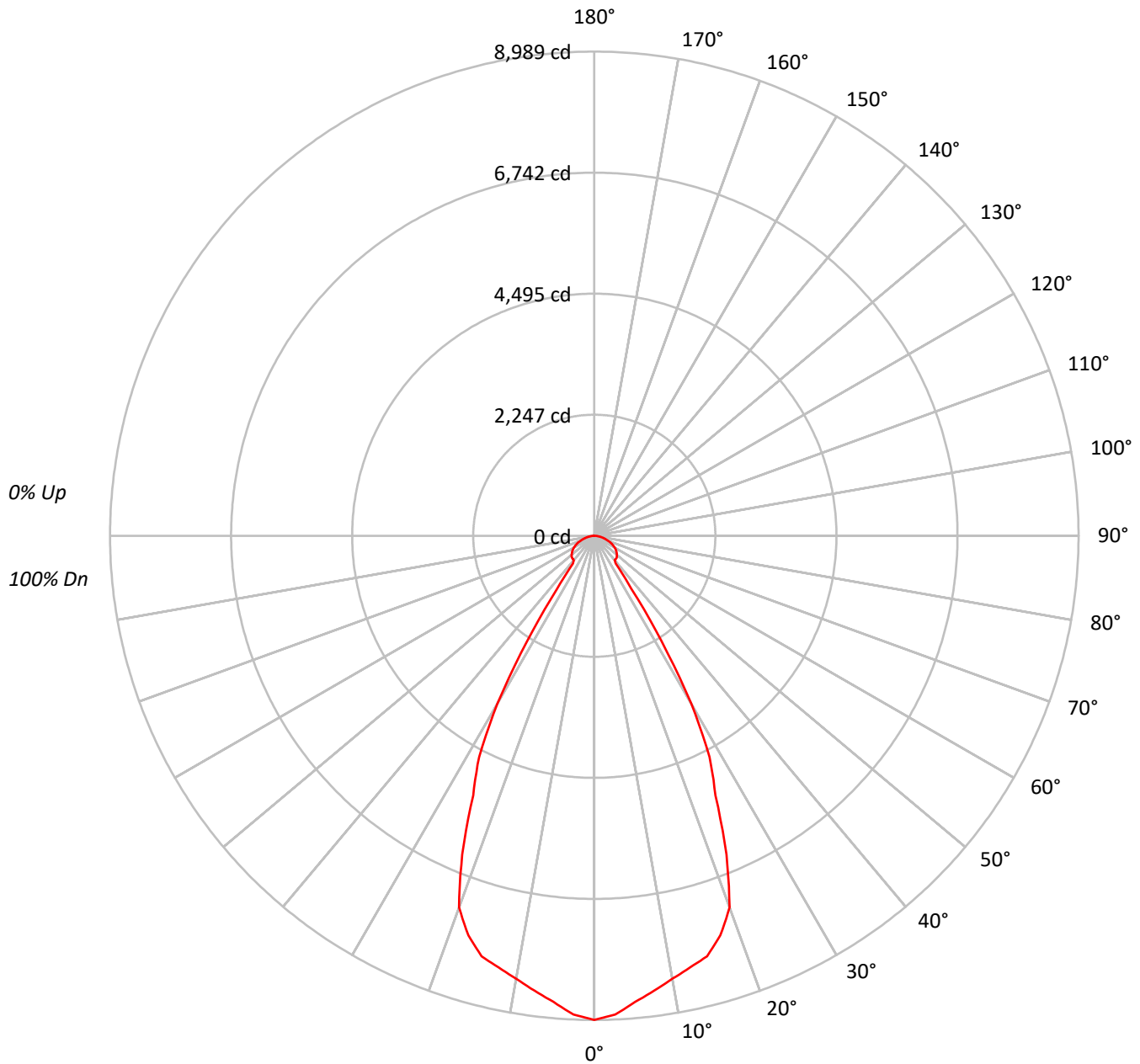


Downlight

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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					0
RW	70	50	30	10	70	50	30	10	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	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	982156
5°	952971
10°	926413
15°	914252
20°	853722
25°	641357
30°	453394
35°	160606
40°	84451
45°	89945
50°	93132
55°	94883
60°	95472
65°	93460
70°	88202
75°	81728
80°	72548
85°	58920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 95514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.5	10.3
10°-20°	2248.0	28.1
20°-30°	2475.8	31.0
30°-40°	946.0	11.8
40°-50°	446.7	5.6
50°-60°	444.0	5.6
60°-70°	355.5	4.4
70°-80°	204.3	2.6
80°-90°	55.6	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°	5543.3	69.3
0°-40°	6489.3	81.2
0°-60°	7380.0	92.3
0°-90°	7995.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7995.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8989	
5°	8689	820
15°	8082	2248
25°	5320	2476
35°	1204	946
45°	582	447
55°	498	444
65°	362	356
75°	194	204
85°	47	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8989.1
2.5°	8895.2
5°	8688.8
7.5°	8516.6
10°	8350.1
12.5°	8209.2
15°	8082.5
17.5°	7776.5
20°	7342.4
22.5°	6405.9
25°	5320.0
27.5°	4631.2
30°	3593.7
32.5°	2321.3
35°	1204.1
37.5°	650.4
40°	592.1
42.5°	587.8
45°	582.1
47.5°	569.3
50°	547.9
52.5°	523.7
55°	498.1
57.5°	469.7
60°	436.9
62.5°	399.9
65°	361.5
67.5°	318.8
70°	276.1
72.5°	233.4
75°	193.6
77.5°	152.3
80°	115.3
82.5°	81.1
85°	47.0
87.5°	18.5
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)