

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: P756786

Luminaire Tested: LD4D95BD010-EU4DR7070959040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756786
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-EU4DR7070959040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9869.8 lumens
Efficiency: N/A
Efficacy: 99.5 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

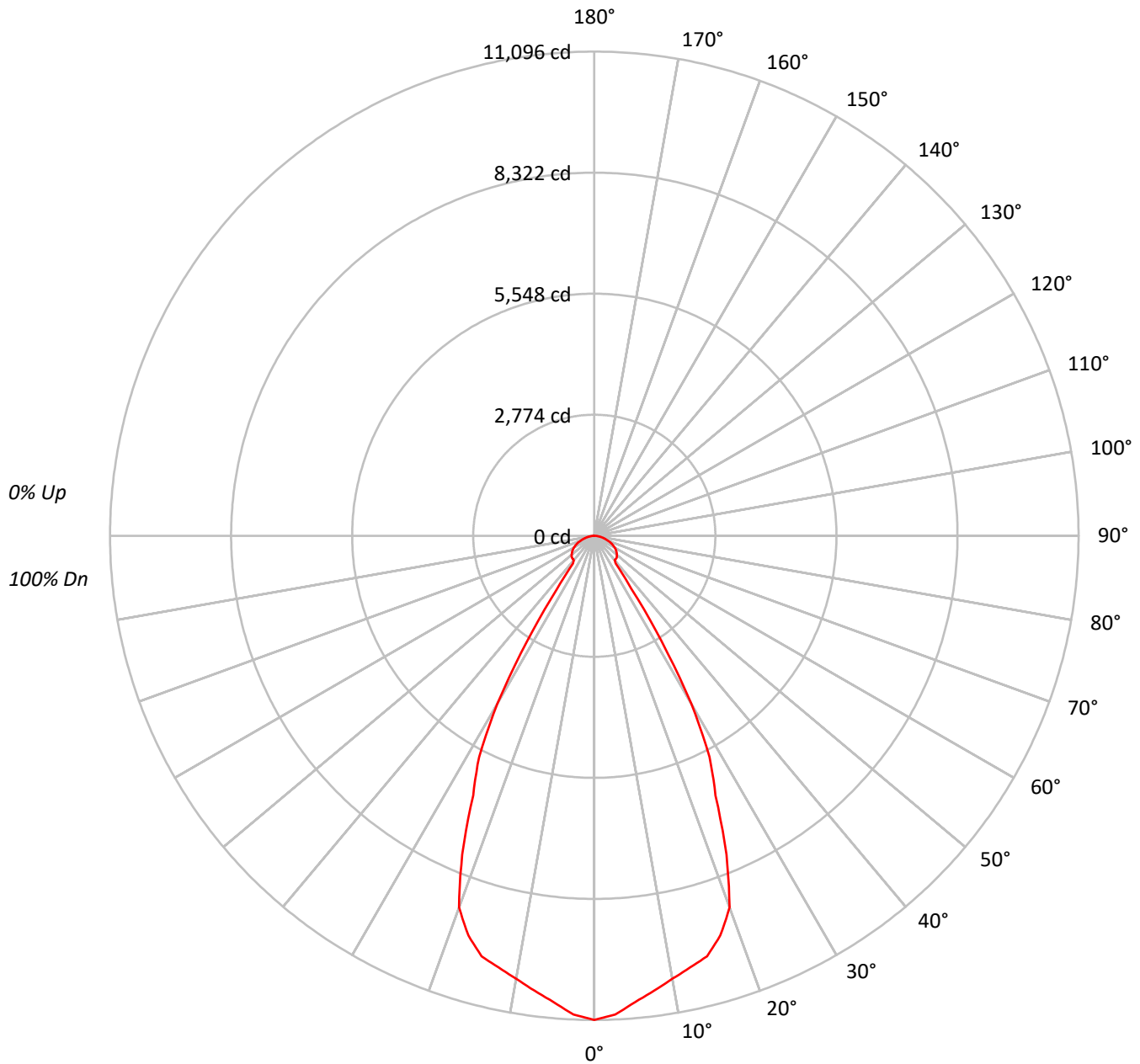


Downlight

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1212412
5°	1176386
10°	1143601
15°	1128594
20°	1053874
25°	791727
30°	559674
35°	198247
40°	104248
45°	111037
50°	114974
55°	117132
60°	117871
65°	115357
70°	108871
75°	100852
80°	89536
85°	72710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 117903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1011.7	10.3
10°-20°	2775.0	28.1
20°-30°	3056.3	31.0
30°-40°	1167.7	11.8
40°-50°	551.4	5.6
50°-60°	548.1	5.6
60°-70°	438.8	4.4
70°-80°	252.2	2.6
80°-90°	68.6	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°	6842.9	69.3
0°-40°	8010.6	81.2
0°-60°	9110.2	92.3
0°-90°	9869.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9869.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11096	
5°	10726	###
15°	9977	2775
25°	6567	3056
35°	1486	1168
45°	719	551
55°	615	548
65°	446	439
75°	239	252
85°	58	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11096.5
2.5°	10980.6
5°	10725.8
7.5°	10513.2
10°	10307.7
12.5°	10133.7
15°	9977.4
17.5°	9599.6
20°	9063.8
22.5°	7907.8
25°	6567.3
27.5°	5716.9
30°	4436.1
32.5°	2865.5
35°	1486.3
37.5°	802.9
40°	730.9
42.5°	725.6
45°	718.6
47.5°	702.8
50°	676.4
52.5°	646.5
55°	614.9
57.5°	579.8
60°	539.4
62.5°	493.7
65°	446.2
67.5°	393.5
70°	340.8
72.5°	288.1
75°	238.9
77.5°	188.0
80°	142.3
82.5°	100.1
85°	58.0
87.5°	22.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°

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

Scaled Data Report







(END OF REPORT)