

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: P756686

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8526.1 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

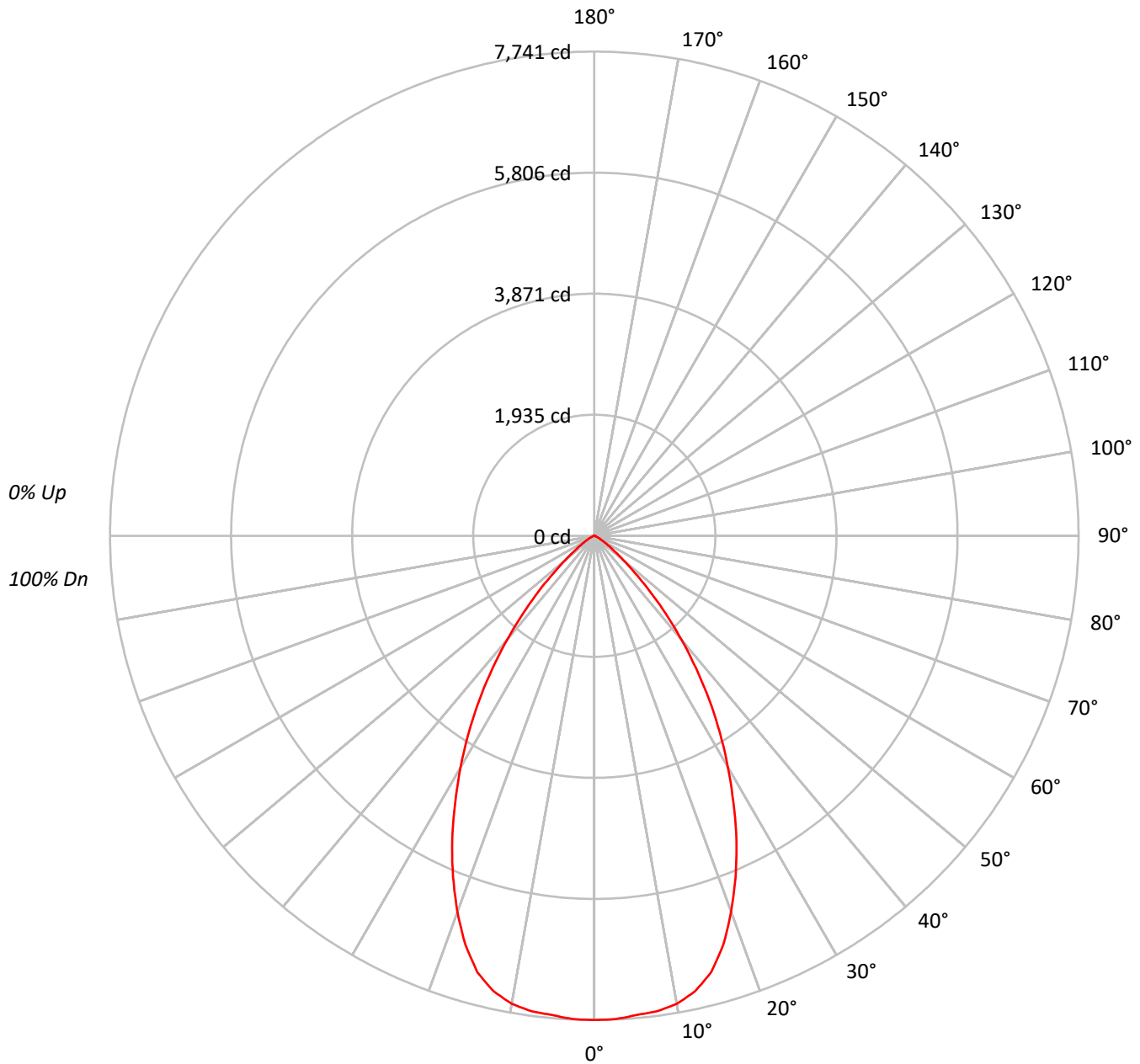


Downlight

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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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	452128
5°	450988
10°	450604
15°	436714
20°	397575
25°	346464
30°	288160
35°	228325
40°	164795
45°	104112
50°	54262
55°	28847
60°	15150
65°	8333
70°	3501
75°	3859
80°	2691
85°	2278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 104112 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.1	8.6
10°-20°	2004.8	23.5
20°-30°	2450.5	28.7
30°-40°	1988.3	23.3
40°-50°	990.8	11.6
50°-60°	276.4	3.2
60°-70°	62.8	0.7
70°-80°	16.4	0.2
80°-90°	4.2	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°	5187.4	60.8
0°-40°	7175.6	84.2
0°-60°	8442.8	99.0
0°-90°	8526.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8526.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7741	
5°	7692	732
15°	7223	2005
25°	5376	2451
35°	3202	1988
45°	1260	991
55°	283	276
65°	60	63
75°	17	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7741.4
2.5°	7735.8
5°	7692.5
7.5°	7667.5
10°	7598.1
12.5°	7457.0
15°	7222.7
17.5°	6856.4
20°	6396.8
22.5°	5900.8
25°	5376.4
27.5°	4815.5
30°	4272.9
32.5°	3737.1
35°	3202.4
37.5°	2668.8
40°	2161.5
42.5°	1685.9
45°	1260.5
47.5°	878.2
50°	597.2
52.5°	411.8
55°	283.3
57.5°	191.1
60°	129.7
62.5°	89.9
65°	60.3
67.5°	30.7
70°	20.5
72.5°	19.3
75°	17.1
77.5°	11.4
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)