

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: P756700

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756700
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-EU4DR6570959035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7797.2 lumens
Efficiency: N/A
Efficacy: 78.6 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

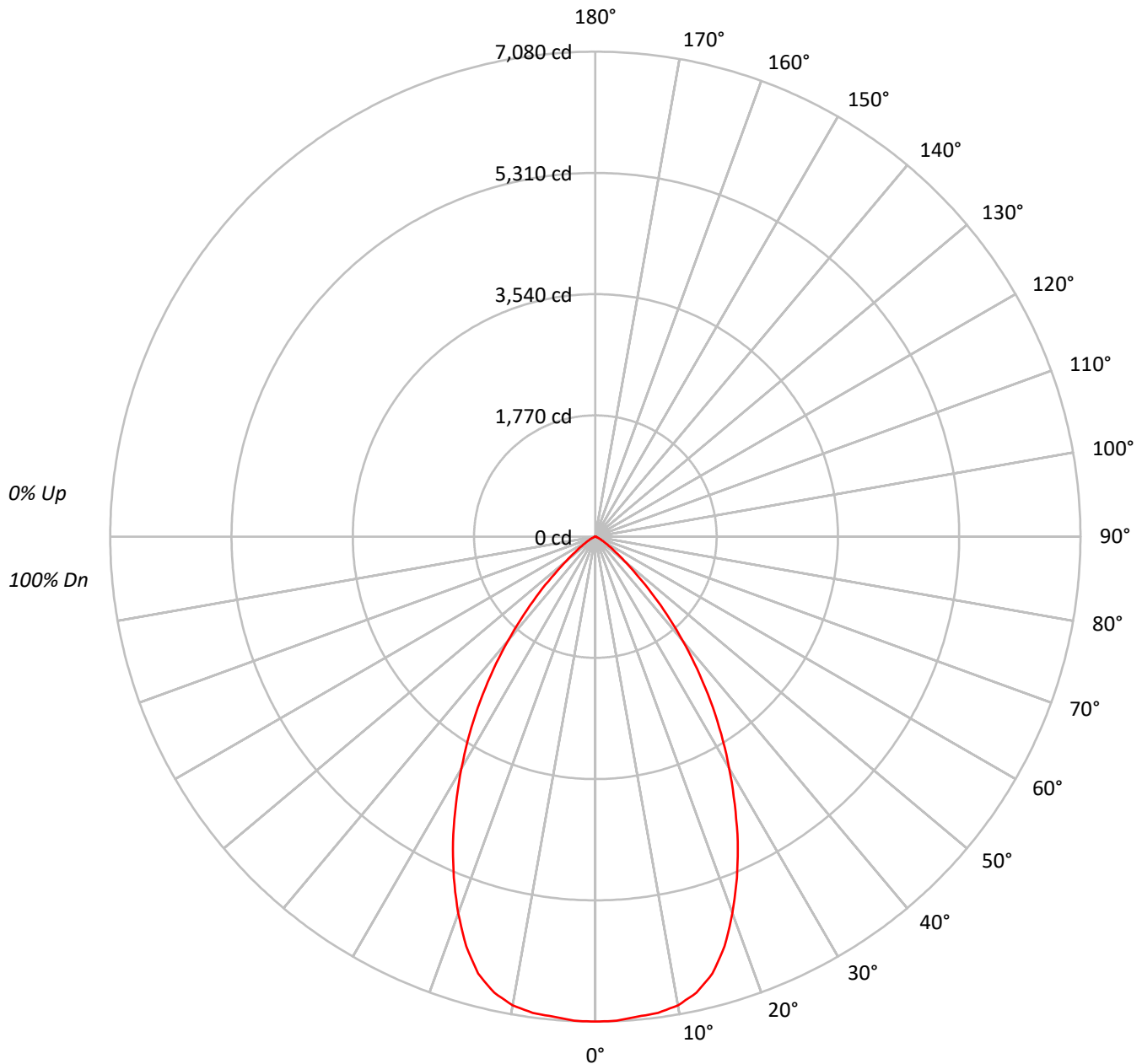


Downlight

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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°	413476
5°	412435
10°	412080
15°	399378
20°	363584
25°	316840
30°	263525
35°	208803
40°	150705
45°	95208
50°	49628
55°	26372
60°	13853
65°	7615
70°	3193
75°	3520
80°	2455
85°	2077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.5	8.6
10°-20°	1833.4	23.5
20°-30°	2241.0	28.7
30°-40°	1818.3	23.3
40°-50°	906.1	11.6
50°-60°	252.7	3.2
60°-70°	57.4	0.7
70°-80°	14.9	0.2
80°-90°	3.8	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°	4743.9	60.8
0°-40°	6562.2	84.2
0°-60°	7721.0	99.0
0°-90°	7797.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7797.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7080	
5°	7035	670
15°	6605	1833
25°	4917	2241
35°	2929	1818
45°	1153	906
55°	259	253
65°	55	57
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7079.6
2.5°	7074.4
5°	7034.9
7.5°	7012.0
10°	6948.5
12.5°	6819.5
15°	6605.2
17.5°	6270.2
20°	5849.9
22.5°	5396.3
25°	4916.7
27.5°	4403.8
30°	3907.6
32.5°	3417.6
35°	2928.6
37.5°	2440.7
40°	1976.7
42.5°	1541.8
45°	1152.7
47.5°	803.2
50°	546.2
52.5°	376.6
55°	259.0
57.5°	174.8
60°	118.6
62.5°	82.2
65°	55.1
67.5°	28.1
70°	18.7
72.5°	17.7
75°	15.6
77.5°	10.4
80°	7.3
82.5°	5.2
85°	3.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)