

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: P756661

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756661
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-EU4DR6570959024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6611.7 lumens
Efficiency: N/A
Efficacy: 66.7 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

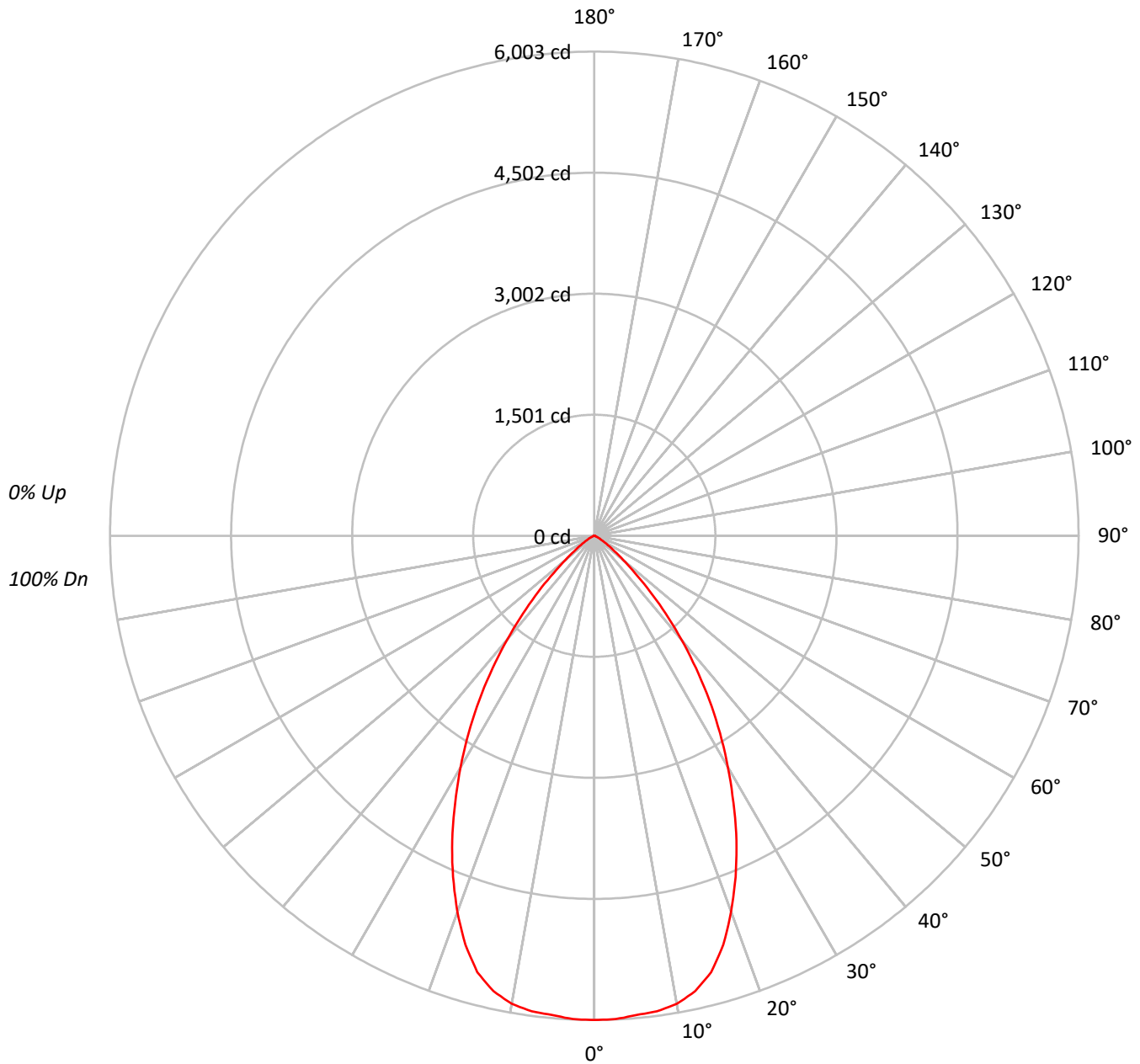


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	350610
5°	349727
10°	349430
15°	338654
20°	308305
25°	268670
30°	223459
35°	177054
40°	127787
45°	80737
50°	42077
55°	22371
60°	11751
65°	6468
70°	2715
75°	2979
80°	2085
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.7	8.6
10°-20°	1554.6	23.5
20°-30°	1900.3	28.7
30°-40°	1541.8	23.3
40°-50°	768.3	11.6
50°-60°	214.3	3.2
60°-70°	48.7	0.7
70°-80°	12.7	0.2
80°-90°	3.2	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°	4022.6	60.8
0°-40°	5564.5	84.2
0°-60°	6547.1	99.0
0°-90°	6611.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6611.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6003	
5°	5965	568
15°	5601	1555
25°	4169	1900
35°	2483	1542
45°	978	768
55°	220	214
65°	47	49
75°	13	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6003.2
2.5°	5998.8
5°	5965.3
7.5°	5945.9
10°	5892.1
12.5°	5782.7
15°	5600.9
17.5°	5316.9
20°	4960.5
22.5°	4575.9
25°	4169.2
27.5°	3734.3
30°	3313.5
32.5°	2898.0
35°	2483.3
37.5°	2069.6
40°	1676.1
42.5°	1307.4
45°	977.5
47.5°	681.0
50°	463.1
52.5°	319.3
55°	219.7
57.5°	148.2
60°	100.6
62.5°	69.7
65°	46.8
67.5°	23.8
70°	15.9
72.5°	15.0
75°	13.2
77.5°	8.8
80°	6.2
82.5°	4.4
85°	2.6
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)