

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: P756722

Luminaire Tested: LD4D95BD010-EU4DR6570959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7090.5 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

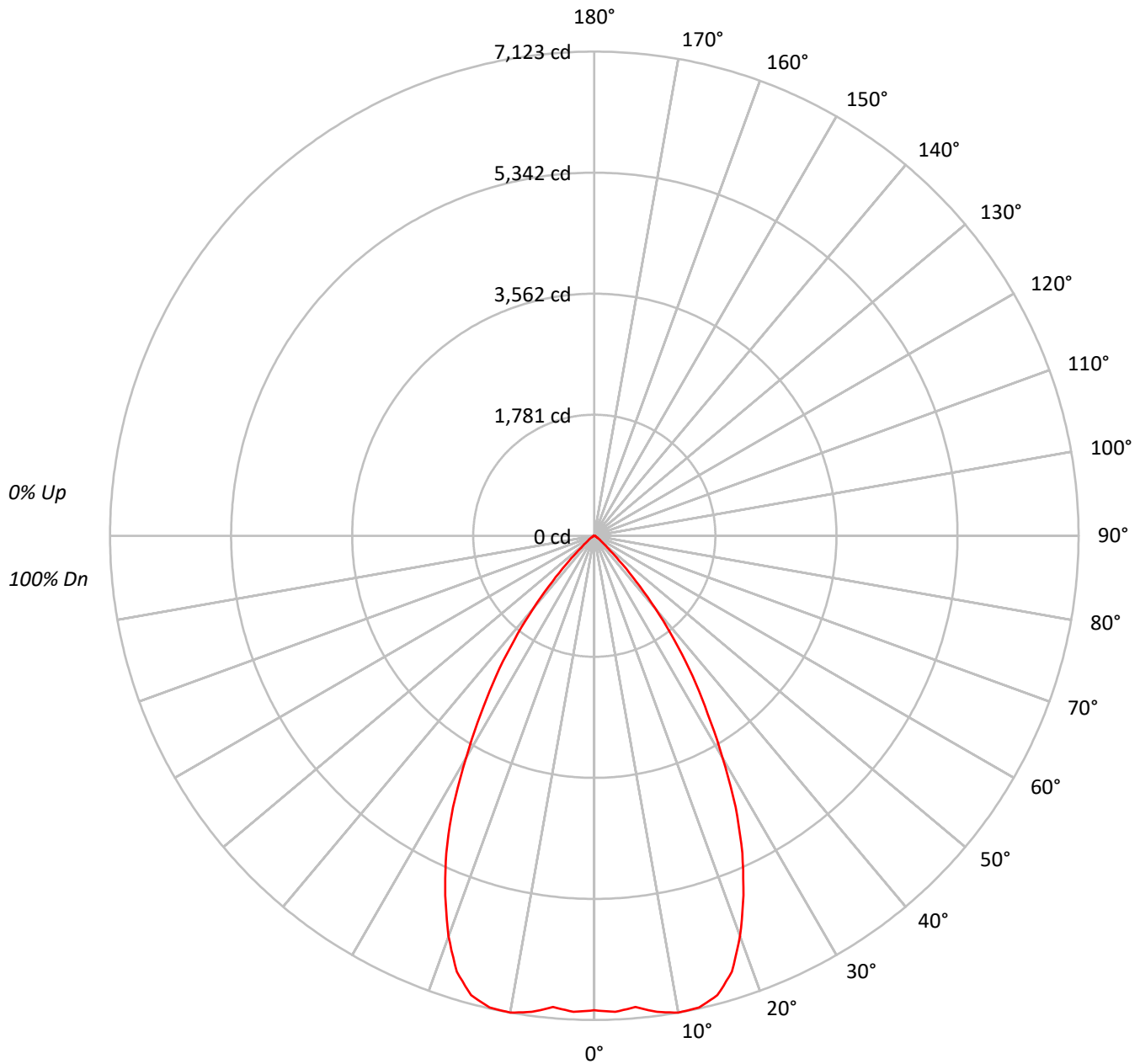


Downlight

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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	762760
5°	763382
10°	790259
15°	791568
20°	728775
25°	620947
30°	475359
35°	335831
40°	198241
45°	80473
50°	29168
55°	16249
60°	9331
65°	5119
70°	5399
75°	4179
80°	4342
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80473 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.2	9.5
10°-20°	1939.0	27.3
20°-30°	2326.5	32.8
30°-40°	1563.5	22.1
40°-50°	468.0	6.6
50°-60°	82.6	1.2
60°-70°	23.5	0.3
70°-80°	11.5	0.2
80°-90°	3.7	0.1
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°	4937.7	69.6
0°-40°	6501.2	91.7
0°-60°	7051.8	99.5
0°-90°	7090.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7090.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6981	
5°	6960	672
15°	6998	1939
25°	5151	2326
35°	2518	1563
45°	521	468
55°	85	83
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6981.1
2.5°	7010.8
5°	6960.2
7.5°	7065.4
10°	7122.9
12.5°	7109.0
15°	6997.9
17.5°	6726.1
20°	6267.8
22.5°	5728.1
25°	5150.7
27.5°	4499.0
30°	3767.8
32.5°	3105.1
35°	2517.8
37.5°	1937.5
40°	1389.9
42.5°	907.7
45°	520.8
47.5°	275.8
50°	171.6
52.5°	119.0
55°	85.3
57.5°	61.5
60°	42.7
62.5°	27.8
65°	19.8
67.5°	17.9
70°	16.9
72.5°	12.9
75°	9.9
77.5°	8.9
80°	6.9
82.5°	5.0
85°	3.0
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)