

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P220373

Luminaire Tested: **9002-W1-FL-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED2797-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

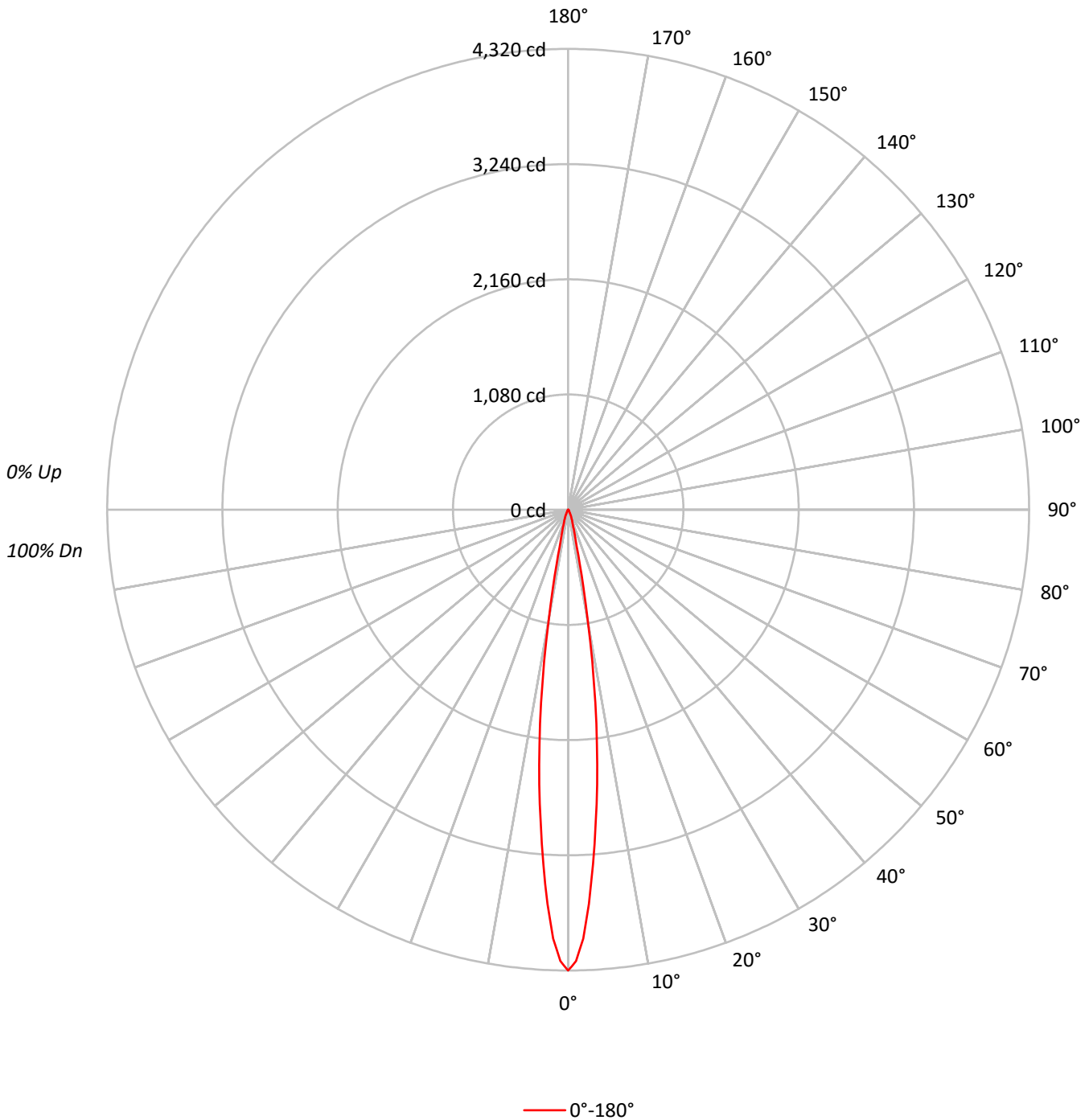
Lumens per Lamp: N/A
Luminaire Lumens: 343.2 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): 120
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: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	92	96	93	91	95	92	90	94	92	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88
8	99	94	91	88	98	94	90	88	93	90	88	92	89	88	91	89	87	87
9	98	92	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85
10	96	91	88	86	95	91	88	86	90	87	85	89	87	85	89	87	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2131301
5°	1464645
10°	534006
15°	109870
20°	53029
25°	26348
30°	9856
35°	5240
40°	4186
45°	3000
50°	2763
55°	2495
60°	2862
65°	3386
70°	3174
75°	2669
80°	1989
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	64.7
10°-20°	81.3	23.7
20°-30°	23.2	6.8
30°-40°	6.1	1.8
40°-50°	3.6	1.1
50°-60°	2.8	0.8
60°-70°	2.6	0.8
70°-80°	1.5	0.4
80°-90°	0.1	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°	326.5	95.1
0°-40°	332.5	96.9
0°-60°	339.0	98.8
0°-90°	343.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	343.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4320	
5°	2957	222
15°	215	81
25°	48	23
35°	9	6
45°	4	4
55°	3	3
65°	3	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4319.8
1°	4231.7
2°	4022.5
3°	3701.3
4°	3329.7
5°	2957.3
6°	2589.3
7°	2215.5
8°	1825.8
9°	1435.4
10°	1065.9
11°	747.6
12°	514.5
13°	362.3
14°	270.6
15°	215.1
17.5°	140.0
20°	101.0
22.5°	74.3
25°	48.4
27.5°	28.9
30°	17.3
32.5°	11.5
35°	8.7
37.5°	7.2
40°	6.5
42.5°	5.1
45°	4.3
47.5°	4.3
50°	3.6
52.5°	3.6
55°	2.9
57.5°	2.9
60°	2.9
62.5°	2.9
65°	2.9
67.5°	2.2
70°	2.2
72.5°	2.2
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)