

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: P220376

Luminaire Tested: **9002-W1-FL-LED4097-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220376  
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-LED4097-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 396.1 lumens  
Efficiency: N/A  
Efficacy: 39.6 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

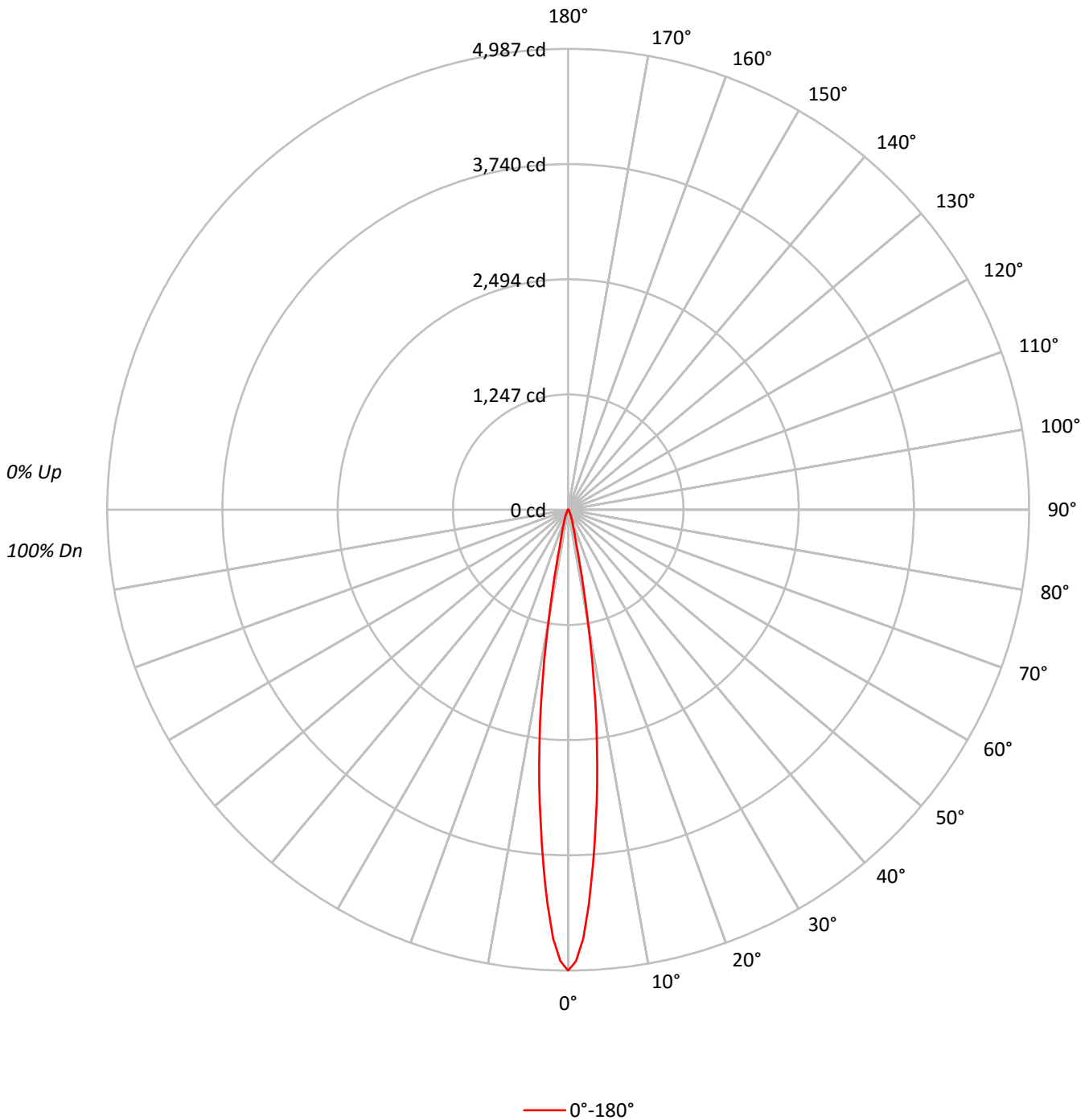
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	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	86	89	87	85	89	87	85	84

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2460385
5°	1690782
10°	616469
15°	126828
20°	61220
25°	30377
30°	11394
35°	6023
40°	4830
45°	3489
50°	3224
55°	2839
60°	3256
65°	3853
70°	3606
75°	3241
80°	2273
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.2	64.7
10°-20°	93.9	23.7
20°-30°	26.8	6.8
30°-40°	7.0	1.8
40°-50°	4.2	1.1
50°-60°	3.3	0.8
60°-70°	3.0	0.7
70°-80°	1.7	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°	376.9	95.1
0°-40°	383.9	96.9
0°-60°	391.3	98.8
0°-90°	396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4987	
5°	3414	256
15°	248	94
25°	56	27
35°	10	7
45°	5	4
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4986.8
1°	4885.1
2°	4643.6
3°	4272.8
4°	3843.8
5°	3413.9
6°	2989.1
7°	2557.5
8°	2107.7
9°	1657.0
10°	1230.5
11°	863.1
12°	594.0
13°	418.2
14°	312.4
15°	248.3
17.5°	161.6
20°	116.6
22.5°	85.8
25°	55.8
27.5°	33.3
30°	20.0
32.5°	13.3
35°	10.0
37.5°	8.3
40°	7.5
42.5°	5.8
45°	5.0
47.5°	5.0
50°	4.2
52.5°	4.2
55°	3.3
57.5°	3.3
60°	3.3
62.5°	3.3
65°	3.3
67.5°	2.5
70°	2.5
72.5°	2.5
75°	1.7
77.5°	0.8
80°	0.8
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)