

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: P220309

Luminaire Tested: **9002-W1-[RW, RI]-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-[RW, RI]-LED2797-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

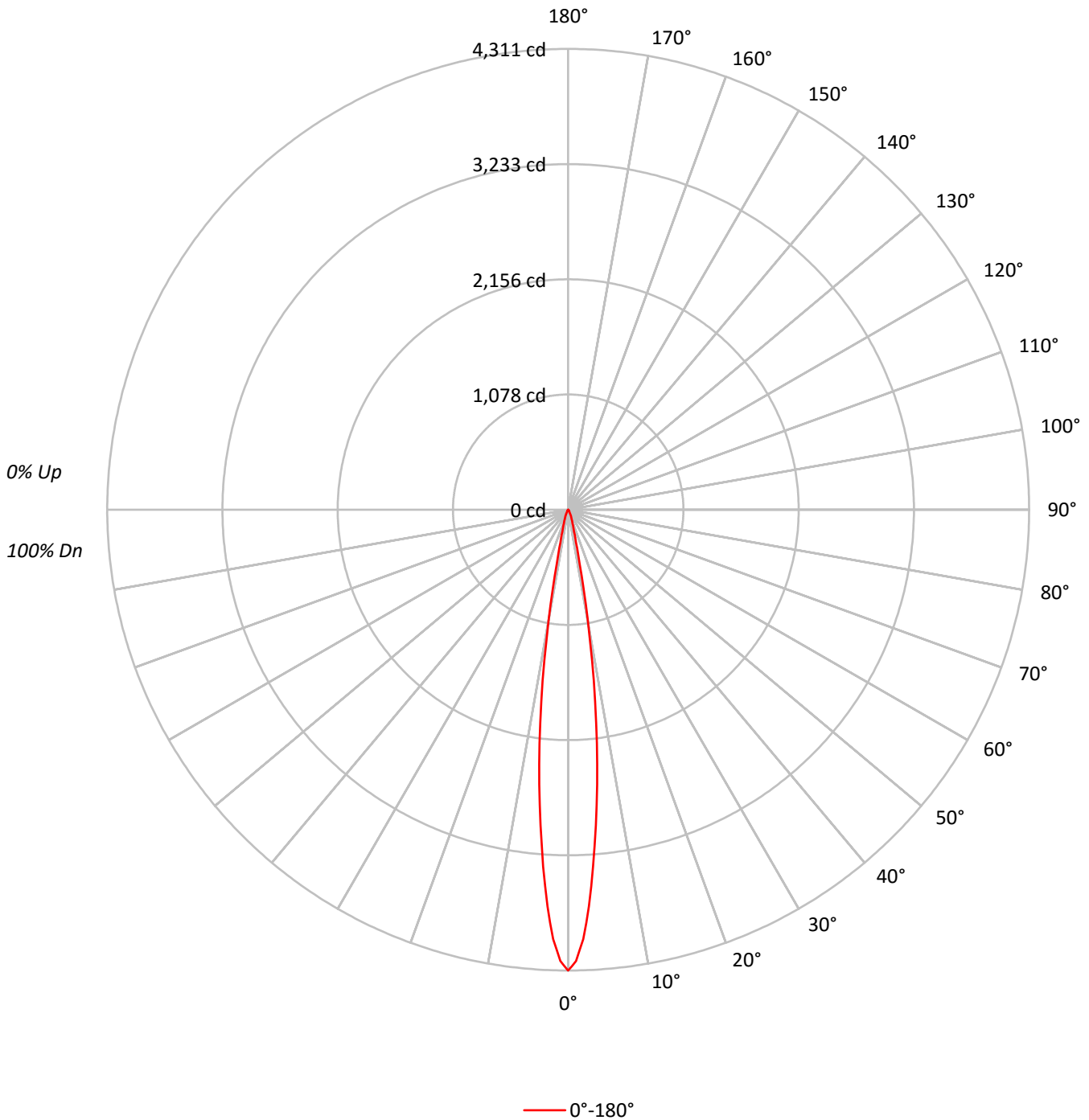
Lumens per Lamp: N/A  
Luminaire Lumens: 338.0 lumens  
Efficiency: N/A  
Efficacy: 33.8 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	94
4	107	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93
5	105	100	97	95	104	100	97	94	98	95	93	97	94	93	95	94	92	91
6	103	98	95	93	102	98	94	92	96	94	92	95	93	91	94	92	91	90
7	101	96	93	91	100	96	93	91	95	92	90	94	91	90	93	91	89	88
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86
10	97	92	89	87	96	91	88	86	91	88	86	90	88	86	90	87	86	85

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

	0°
0°	2127009
5°	1468557
10°	529297
15°	107980
20°	51139
25°	25151
30°	9058
35°	4758
40°	3285
45°	3000
50°	2763
55°	2495
60°	2171
65°	1634
70°	2020
75°	1334
80°	1989
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	65.5
10°-20°	80.7	23.9
20°-30°	22.1	6.5
30°-40°	5.4	1.6
40°-50°	3.2	0.9
50°-60°	2.6	0.8
60°-70°	1.5	0.4
70°-80°	0.8	0.2
80°-90°	0.3	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°	324.2	95.9
0°-40°	329.6	97.5
0°-60°	335.3	99.2
0°-90°	338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4311	
5°	2965	221
15°	211	81
25°	46	22
35°	8	5
45°	4	3
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4311.1
1°	4222.3
2°	4018.8
3°	3715.0
4°	3347.0
5°	2965.2
6°	2585.6
7°	2203.2
8°	1810.6
9°	1420.9
10°	1056.5
11°	746.9
12°	518.9
13°	365.9
14°	271.3
15°	211.4
17.5°	134.9
20°	97.4
22.5°	71.4
25°	46.2
27.5°	26.7
30°	15.9
32.5°	10.1
35°	7.9
37.5°	6.5
40°	5.1
42.5°	4.3
45°	4.3
47.5°	3.6
50°	3.6
52.5°	3.6
55°	2.9
57.5°	2.2
60°	2.2
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)