

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: P221141

Luminaire Tested: **9002-W1-FL-LEDCW-W-WT-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29549)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LEDCW-W-WT-LC1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

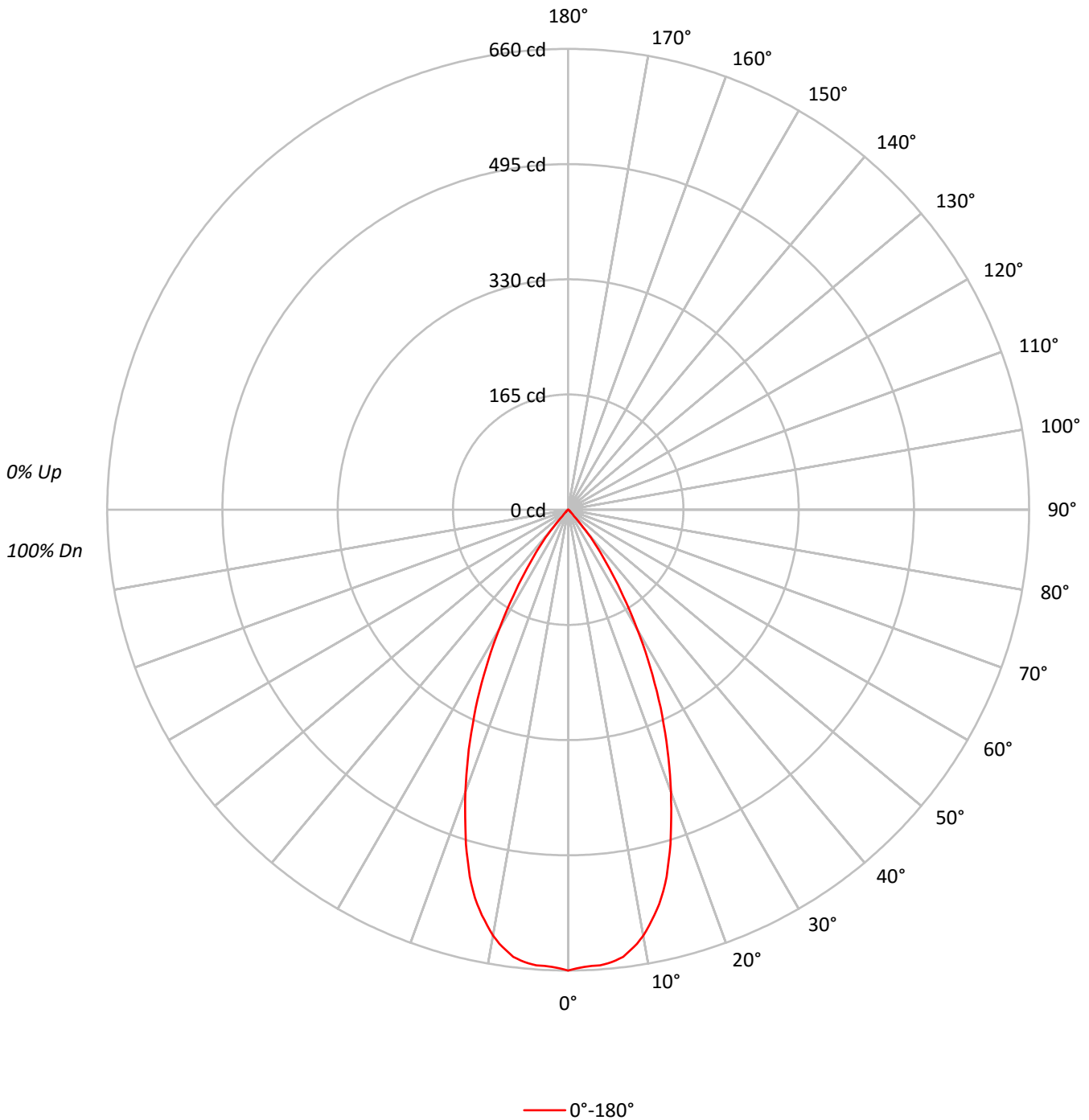
Lumens per Lamp: N/A  
Luminaire Lumens: 430.2 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.76  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.5  
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



TEST NUMBER: P221141  
CATALOG NUMBER: 9002-W1-FL-LEDCW-W-WT-LC1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221141

CATALOG NUMBER: 9002-W1-FL-LEDCW-W-WT-LC1-UNV

**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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	79	77	82	78	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60
10	76	68	62	59	76	67	62	59	66	62	59	66	61	58	65	61	58	57

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

	0°
0°	325680
5°	323011
10°	310364
15°	277918
20°	225874
25°	170501
30°	112346
35°	62098
40°	24925
45°	3489
50°	2303
55°	2581
60°	987
65°	1167
70°	1443
75°	1906
80°	0
85°	0



TEST NUMBER: P221141

CATALOG NUMBER: 9002-W1-FL-LEDCW-W-WT-LC1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.3	14.2
10°-20°	149.1	34.7
20°-30°	141.6	32.9
30°-40°	66.7	15.5
40°-50°	7.8	1.8
50°-60°	2.0	0.5
60°-70°	1.0	0.2
70°-80°	0.7	0.2
80°-90°	0.0	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°	352.0	81.8
0°-40°	418.7	97.3
0°-60°	428.5	99.6
0°-90°	430.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	660	
5°	652	61
15°	544	149
25°	313	142
35°	103	67
45°	5	8
55°	3	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P221141

CATALOG NUMBER: 9002-W1-FL-LEDCW-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	660.1
1°	657.1
2°	655.1
3°	654.1
4°	654.1
5°	652.2
6°	649.2
7°	645.2
8°	637.3
9°	629.4
10°	619.5
11°	606.6
12°	593.7
13°	579.8
14°	563.0
15°	544.1
16°	522.3
17°	500.5
18°	476.7
19°	452.9
20°	430.2
21°	406.4
22°	383.6
23°	359.8
24°	336.0
25°	313.2
26°	289.4
27°	265.6
28°	242.8
29°	221.0
30°	197.2
32.5°	146.7
35°	103.1
37.5°	69.4
40°	38.7
42.5°	11.9
45°	5.0
47.5°	4.0
50°	3.0
52.5°	3.0
55°	3.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0



TEST NUMBER: P221141

CATALOG NUMBER: 9002-W1-FL-LEDCW-W-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)