

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: P221294

Luminaire Tested: **9002-W2-[RW, RI]-LED CR-F-WT-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29544)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-[RW, RI]-LEDCR-F-WT-LC1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 977.4 lumens  
Efficiency: N/A  
Efficacy: 34.2 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.58  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

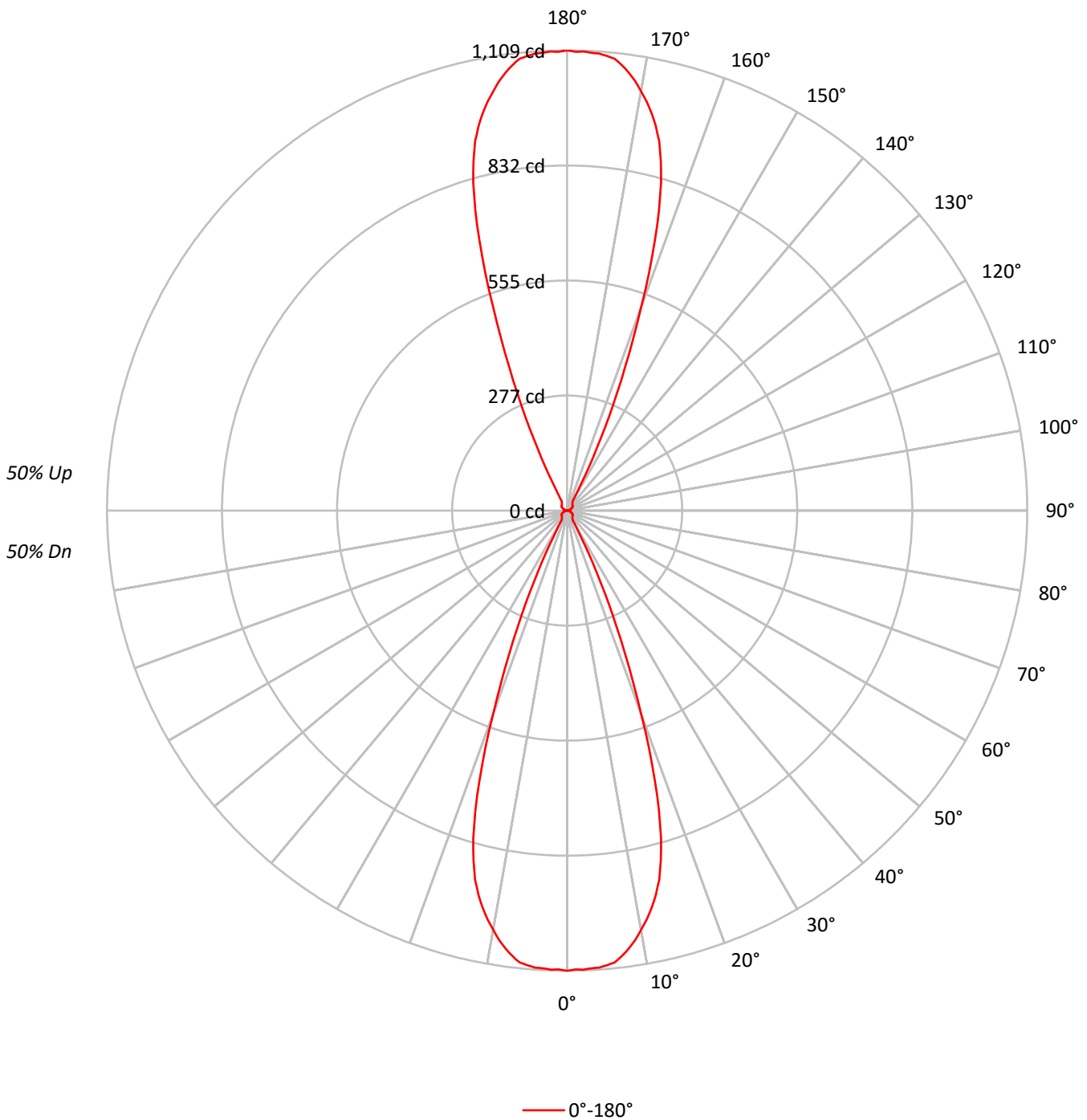
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LED CR-F-WT-LC1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCR-F-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73	64	63	62	53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	62	60	57	54	53	48	47	46	42
4	83	74	68	64	77	70	65	61	61	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	74	64	58	54	69	61	55	51	54	50	47	48	45	43	43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44	46	43	41	41	39	37	35
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	54	48	44	59	51	46	42	46	42	40	42	39	37	38	36	34	33
10	60	51	45	41	57	49	43	40	44	40	38	40	37	35	37	35	33	31

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

	0°
0°	547158
5°	544791
10°	514016
15°	445915
20°	274598
25°	103433
30°	15952
35°	13251
40°	12881
45°	12559
50°	13049
55°	13763
60°	13815
65°	12842
70°	11540
75°	13344
80°	14206
85°	11322



TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LED CR-F-WT-LC1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.7	10.5
10°-20°	229.6	23.5
20°-30°	93.5	9.6
30°-40°	14.2	1.5
40°-50°	14.2	1.5
50°-60°	14.0	1.4
60°-70°	10.6	1.1
70°-80°	7.3	0.7
80°-90°	2.6	0.3
90°-100°	2.6	0.3
100°-110°	7.3	0.7
110°-120°	10.6	1.1
120°-130°	14.0	1.4
130°-140°	14.2	1.5
140°-150°	14.2	1.5
150°-160°	93.5	9.6
160°-170°	229.6	23.5
170°-180°	102.7	10.5
0°-30°	425.8	43.6
0°-40°	440.0	45.0
0°-60°	468.2	47.9
0°-90°	488.7	50.0
90°-120°	20.5	2.1
90°-150°	62.9	6.4
90°-180°	489.0	50.0
0°-180°	977.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1109	
5°	1100	103
15°	873	230
25°	190	94
35°	22	14
45°	18	14
55°	16	14
65°	11	11
75°	7	7
85°	2	2
90°	0	0
95°	2	2
105°	7	7
115°	11	11
125°	16	14
135°	18	14
145°	22	14
155°	190	94
165°	873	230
175°	1100	103
180°	1109	



TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCR-F-WT-LC1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1109
1°	1106
2°	1107
3°	1105
4°	1104
5°	1100
6°	1095
7°	1082
8°	1066
9°	1048
10°	1026
11°	1004
12°	979
13°	950
14°	917
15°	873
16°	821
17°	757
18°	685
19°	605
20°	523
21°	445
22°	373
23°	307
24°	247
25°	190
26°	140
27°	97
28°	63
29°	40
30°	28
32.5°	24
35°	22
37.5°	21
40°	20
42.5°	19
45°	18
47.5°	18
50°	17
52.5°	16
55°	16
57.5°	15
60°	14
62.5°	12
65°	11



TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCR-F-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	9
70°	8
72.5°	8
75°	7
77.5°	6
80°	5
82.5°	4
85°	2
87.5°	1
90°	0
92.5°	1
95°	2
97.5°	4
100°	5
102.5°	6
105°	7
107.5°	8
110°	8
112.5°	9
115°	11
117.5°	12
120°	14
122.5°	15
125°	16
127.5°	16
130°	17
132.5°	18
135°	18
137.5°	19
140°	20
142.5°	21
145°	22
147.5°	24
150°	28
151°	40
152°	63
153°	97
154°	140
155°	190
156°	247
157°	307
158°	373
159°	445
160°	523
161°	605



TEST NUMBER: P221294

CATALOG NUMBER: 9002-W2-[RW, RI]-LED CR-F-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	685
163°	757
164°	821
165°	873
166°	917
167°	950
168°	979
169°	1004
170°	1026
171°	1048
172°	1066
173°	1082
174°	1095
175°	1100
176°	1104
177°	1105
178°	1107
179°	1106
180°	1109

(END OF REPORT)