

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: P221378

Luminaire Tested: **9002-W2-FL-LEDCR-F-WT-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29548)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LEDCR-F-WT-LC1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

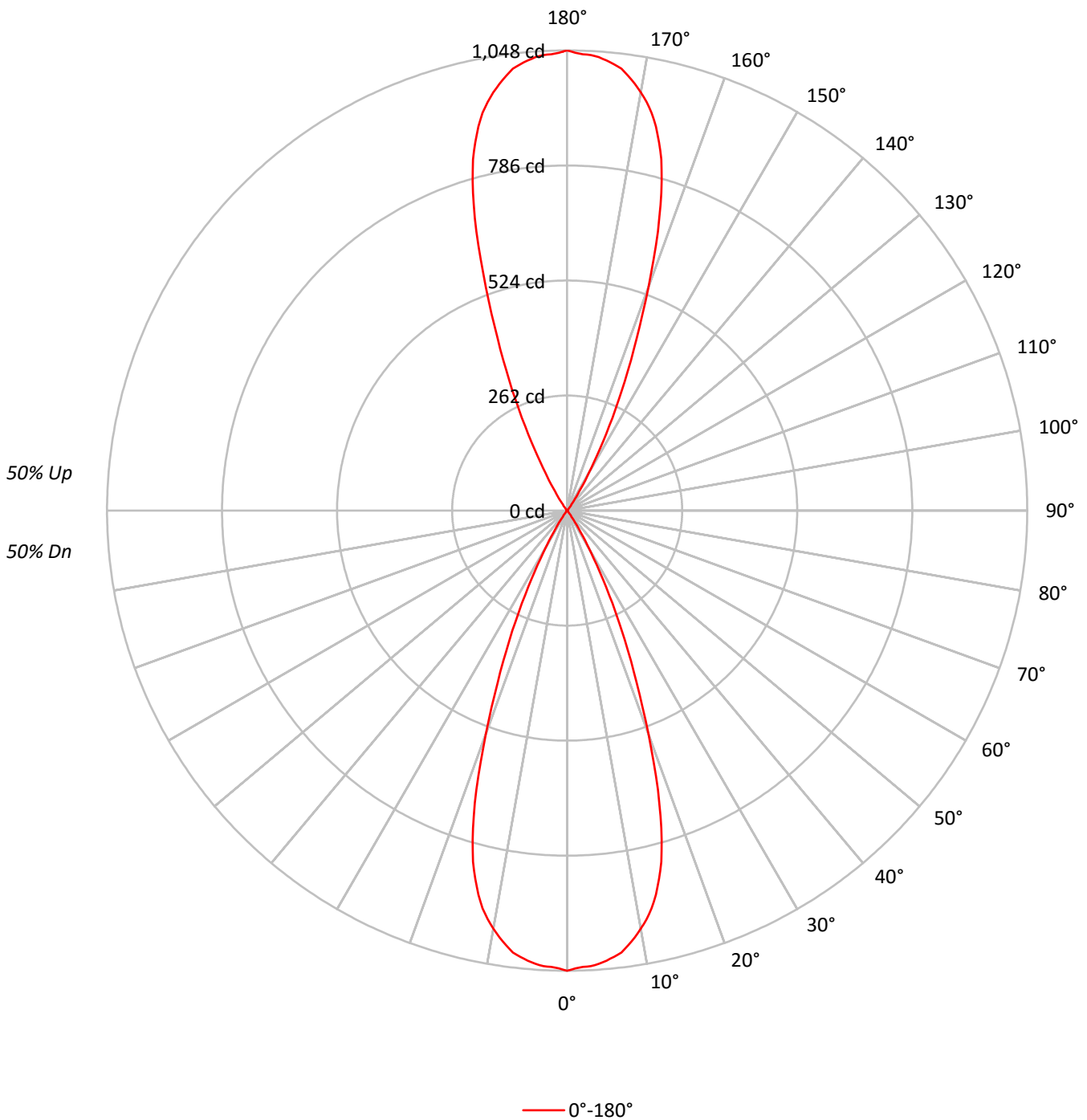
Lumens per Lamp: N/A  
Luminaire Lumens: 933.3 lumens  
Efficiency: N/A  
Efficacy: 34.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.62  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 27  
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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	95	89	85	81	88	83	79	76	72	69	67		62	60	58		52	51	50	46
3	89	82	77	73	83	77	72	69	67	64	61		58	56	54		50	49	48	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	70	63	57	54	56	52	49		50	47	45		44	43	41	39
7	71	62	56	52	67	59	54	50	53	49	46		48	45	43		43	41	39	37
8	68	58	52	48	64	56	50	47	50	47	44		46	43	41		41	39	38	36
9	64	55	49	45	61	53	48	44	48	44	41		44	41	39		40	38	36	34
10	62	52	47	43	58	50	45	42	46	42	39		42	39	37		38	36	35	33

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

	0°
0°	517062
5°	509627
10°	484458
15°	422929
20°	284049
25°	151339
30°	56401
35°	12046
40°	1288
45°	1395
50°	768
55°	860
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.3	10.3
10°-20°	220.3	23.6
20°-30°	128.3	13.7
30°-40°	18.7	2.0
40°-50°	1.4	0.2
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.6	0.1
120°-130°	0.9	0.1
130°-140°	1.4	0.2
140°-150°	18.7	2.0
150°-160°	128.3	13.7
160°-170°	220.3	23.6
170°-180°	96.3	10.3
0°-30°	445.0	47.7
0°-40°	463.7	49.7
0°-60°	466.0	49.9
0°-90°	466.6	50.0
90°-120°	0.6	0.1
90°-150°	21.7	2.3
90°-180°	467.0	50.0
0°-180°	933.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1048	
5°	1029	96
15°	828	220
25°	278	128
35°	20	19
45°	2	1
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	2	1
145°	20	19
155°	278	128
165°	828	220
175°	1029	96
180°	1048	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1048
1°	1043
2°	1040
3°	1039
4°	1035
5°	1029
6°	1022
7°	1014
8°	1000
9°	984
10°	967
11°	948
12°	926
13°	898
14°	865
15°	828
16°	781
17°	728
18°	669
19°	605
20°	541
21°	480
22°	423
23°	372
24°	323
25°	278
26°	235
27°	195
28°	158
29°	125
30°	99
32.5°	51
35°	20
37.5°	5
40°	2
42.5°	2
45°	2
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	1
65°	1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	1
117.5°	1
120°	1
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	2
135°	2
137.5°	2
140°	2
142.5°	5
145°	20
147.5°	51
150°	99
151°	125
152°	158
153°	195
154°	235
155°	278
156°	323
157°	372
158°	423
159°	480
160°	541
161°	605



TEST NUMBER: P221378

CATALOG NUMBER: 9002-W2-FL-LEDCR-F-WT-LC1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	669
163°	728
164°	781
165°	828
166°	865
167°	898
168°	926
169°	948
170°	967
171°	984
172°	1000
173°	1014
174°	1022
175°	1029
176°	1035
177°	1039
178°	1040
179°	1043
180°	1048

(END OF REPORT)