

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: P221310

Luminaire Tested: **9002-W2-FL-LED2797-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED2797-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

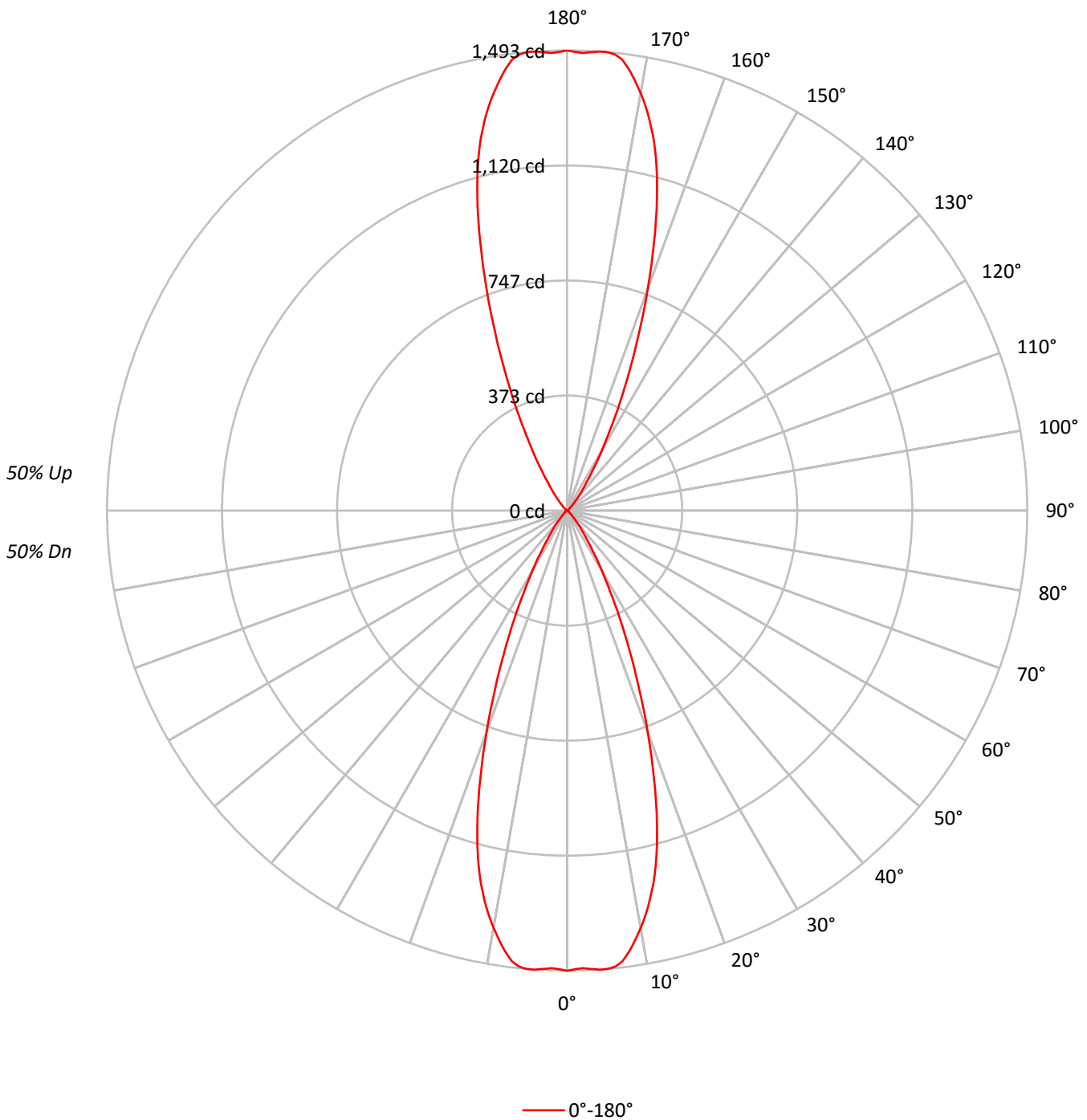
Lumens per Lamp: N/A  
Luminaire Lumens: 1493.3 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 20  
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66	61	59	58	51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60	57	55	53	49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	64	58	54	69	61	56	52	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	56	50	46	62	54	48	45	49	44	42	44	41	39	39	37	35	33
9	63	53	47	43	59	51	45	42	46	42	39	42	39	37	38	35	34	32
10	60	50	44	41	56	48	43	39	44	40	37	40	37	35	36	34	32	31

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

	0°
0°	736665
5°	739479
10°	688712
15°	574632
20°	400871
25°	241217
30°	127443
35°	61315
40°	29305
45°	13606
50°	7752
55°	4989
60°	4243
65°	4203
70°	4183
75°	4194
80°	3978
85°	3963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.9	9.3
10°-20°	303.6	20.3
20°-30°	205.3	13.8
30°-40°	69.6	4.7
40°-50°	17.1	1.1
50°-60°	5.6	0.4
60°-70°	3.7	0.3
70°-80°	2.3	0.2
80°-90°	0.6	0.0
90°-100°	0.6	0.0
100°-110°	2.3	0.2
110°-120°	3.7	0.3
120°-130°	5.6	0.4
130°-140°	17.1	1.1
140°-150°	69.6	4.7
150°-160°	205.3	13.8
160°-170°	303.6	20.3
170°-180°	138.9	9.3
0°-30°	647.8	43.4
0°-40°	717.4	48.0
0°-60°	740.1	49.6
0°-90°	746.7	50.0
90°-120°	6.6	0.4
90°-150°	98.8	6.6
90°-180°	747.0	50.0
0°-180°	1493.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1493	
5°	1493	139
15°	1125	304
25°	443	205
35°	102	70
45°	20	17
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	6	6
135°	20	17
145°	102	70
155°	443	205
165°	1125	304
175°	1493	139
180°	1493	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1493.1
1°	1488.0
2°	1485.9
3°	1488.8
4°	1493.1
5°	1493.1
6°	1488.0
7°	1472.9
8°	1444.7
9°	1411.5
10°	1374.7
11°	1335.8
12°	1291.0
13°	1242.7
14°	1187.8
15°	1125.0
16°	1057.9
17°	985.8
18°	910.7
19°	838.6
20°	763.5
21°	693.5
22°	624.9
23°	560.0
24°	499.4
25°	443.1
26°	390.4
27°	342.1
28°	298.0
29°	259.1
30°	223.7
32.5°	151.5
35°	101.8
37.5°	68.6
40°	45.5
42.5°	28.9
45°	19.5
47.5°	13.7
50°	10.1
52.5°	7.2
55°	5.8
57.5°	5.1
60°	4.3
62.5°	4.3
65°	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.6
70°	2.9
72.5°	2.9
75°	2.2
77.5°	1.4
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	1.4
102.5°	1.4
105°	2.2
107.5°	2.9
110°	2.9
112.5°	3.6
115°	3.6
117.5°	4.3
120°	4.3
122.5°	5.1
125°	5.8
127.5°	7.2
130°	10.1
132.5°	13.7
135°	19.5
137.5°	28.9
140°	45.5
142.5°	68.6
145°	101.8
147.5°	151.5
150°	223.7
151°	259.1
152°	298.0
153°	342.1
154°	390.4
155°	443.1
156°	499.4
157°	560.0
158°	624.9
159°	693.5
160°	763.5
161°	838.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	910.7
163°	985.8
164°	1057.9
165°	1125.0
166°	1187.8
167°	1242.7
168°	1291.0
169°	1335.8
170°	1374.7
171°	1411.5
172°	1444.7
173°	1472.9
174°	1488.0
175°	1493.1
176°	1493.1
177°	1488.8
178°	1485.9
179°	1488.0
180°	1493.1

(END OF REPORT)