

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: P221232

Luminaire Tested: **9002-W2-[RW, RI]-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
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]-LED2797-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1397.1 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

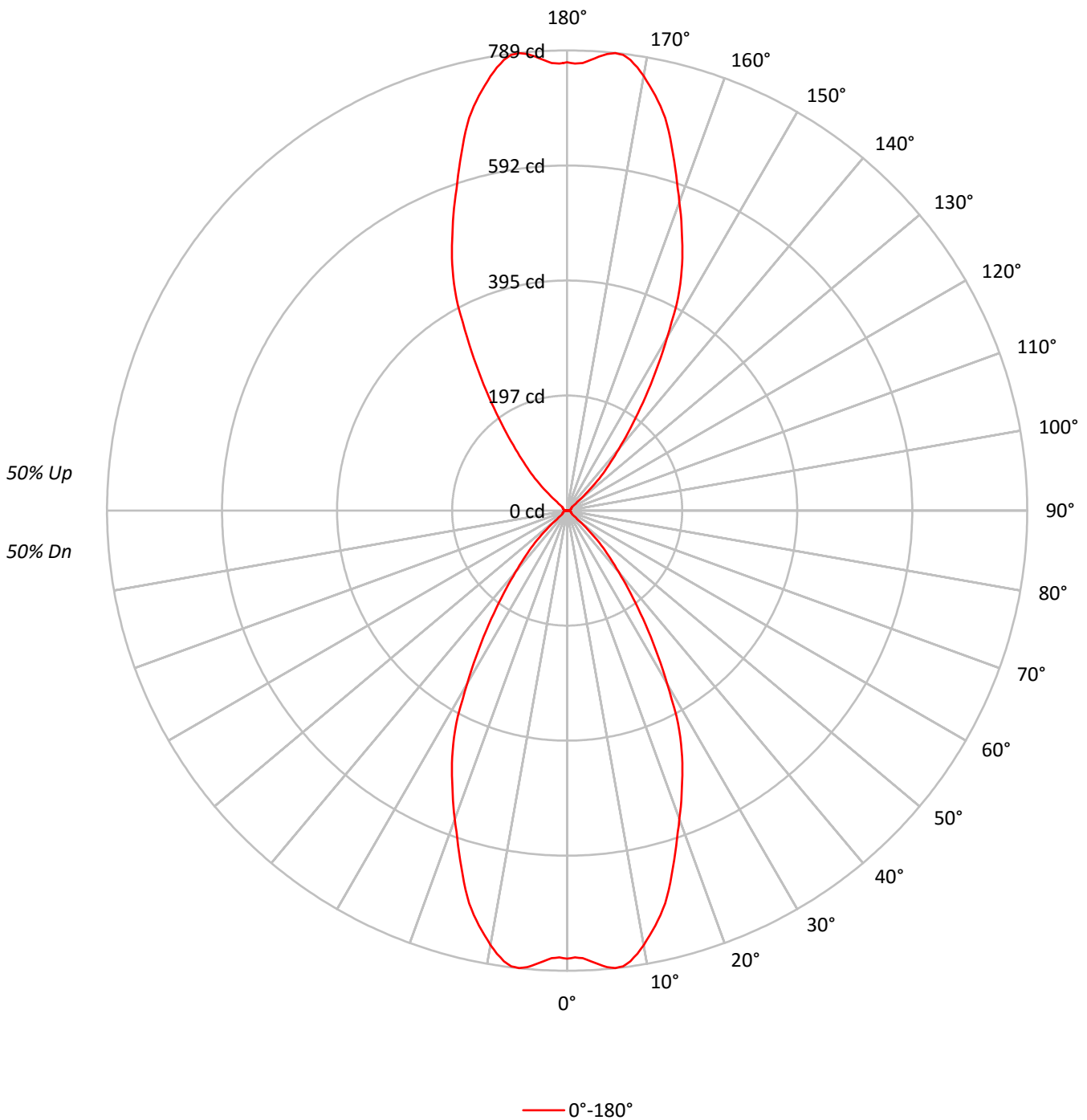
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	51	46
2	93	87	82	78	86	81	77	73	70	67	64	59	57	55	50	48	47	43
3	87	79	73	68	80	74	69	65	64	60	57	55	52	50	46	45	43	40
4	81	72	66	61	75	67	62	58	59	55	52	51	48	46	44	42	40	37
5	75	66	59	54	70	62	56	52	54	50	47	47	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	50	46	43	44	41	38	39	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39	41	38	36	36	34	32	30
8	62	52	45	41	58	49	43	39	44	39	36	39	35	33	34	32	30	28
9	59	48	42	37	55	46	40	36	41	36	33	37	33	31	32	30	28	26
10	55	45	39	34	52	43	37	33	38	34	31	34	31	29	31	28	26	25

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

	0°
0°	379162
5°	389228
10°	378899
15°	343911
20°	295547
25°	253792
30°	195694
35°	136482
40°	88301
45°	54354
50°	17193
55°	8688
60°	8585
65°	9223
70°	9377
75°	11056
80°	10229
85°	12454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	5.3
10°-20°	186.1	13.3
20°-30°	210.6	15.1
30°-40°	143.0	10.2
40°-50°	59.1	4.2
50°-60°	10.2	0.7
60°-70°	7.6	0.5
70°-80°	5.7	0.4
80°-90°	2.1	0.1
90°-100°	2.1	0.1
100°-110°	5.7	0.4
110°-120°	7.6	0.5
120°-130°	10.2	0.7
130°-140°	59.1	4.2
140°-150°	143.0	10.2
150°-160°	210.6	15.1
160°-170°	186.1	13.3
170°-180°	74.2	5.3
0°-30°	470.9	33.7
0°-40°	613.9	43.9
0°-60°	683.1	48.9
0°-90°	698.5	50.0
90°-120°	15.4	1.1
90°-150°	227.6	16.3
90°-180°	699.0	50.0
0°-180°	1397.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	768	
5°	786	74
15°	673	186
25°	466	211
35°	227	143
45°	78	59
55°	10	10
65°	8	8
75°	6	6
85°	2	2
90°	0	0
95°	2	2
105°	6	6
115°	8	8
125°	10	10
135°	78	59
145°	227	143
155°	466	211
165°	673	186
175°	786	74
180°	768	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	768.5
1°	766.4
2°	767.8
3°	773.6
4°	780.1
5°	785.9
6°	788.8
7°	787.3
8°	780.1
9°	769.3
10°	756.3
11°	741.8
12°	727.4
13°	711.5
14°	694.2
15°	673.3
16°	650.2
17°	627.1
18°	604.7
19°	583.1
20°	562.9
21°	544.1
22°	523.9
23°	504.4
24°	485.7
25°	466.2
26°	446.0
27°	423.6
28°	399.1
29°	369.5
30°	343.5
32.5°	281.4
35°	226.6
37.5°	178.2
40°	137.1
42.5°	105.4
45°	77.9
47.5°	48.3
50°	22.4
52.5°	10.8
55°	10.1
57.5°	9.4
60°	8.7
62.5°	7.9
65°	7.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	7.2
70°	6.5
72.5°	5.8
75°	5.8
77.5°	5.1
80°	3.6
82.5°	2.9
85°	2.2
87.5°	0.7
90°	0.0
92.5°	0.7
95°	2.2
97.5°	2.9
100°	3.6
102.5°	5.1
105°	5.8
107.5°	5.8
110°	6.5
112.5°	7.2
115°	7.9
117.5°	7.9
120°	8.7
122.5°	9.4
125°	10.1
127.5°	10.8
130°	22.4
132.5°	48.3
135°	77.9
137.5°	105.4
140°	137.1
142.5°	178.2
145°	226.6
147.5°	281.4
150°	343.5
151°	369.5
152°	399.1
153°	423.6
154°	446.0
155°	466.2
156°	485.7
157°	504.4
158°	523.9
159°	544.1
160°	562.9
161°	583.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	604.7
163°	627.1
164°	650.2
165°	673.3
166°	694.2
167°	711.5
168°	727.4
169°	741.8
170°	756.3
171°	769.3
172°	780.1
173°	787.3
174°	788.8
175°	785.9
176°	780.1
177°	773.6
178°	767.8
179°	766.4
180°	768.5

(END OF REPORT)