

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: P221264

Luminaire Tested: **9002-W2-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221264  
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]-LED3597-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1573.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 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

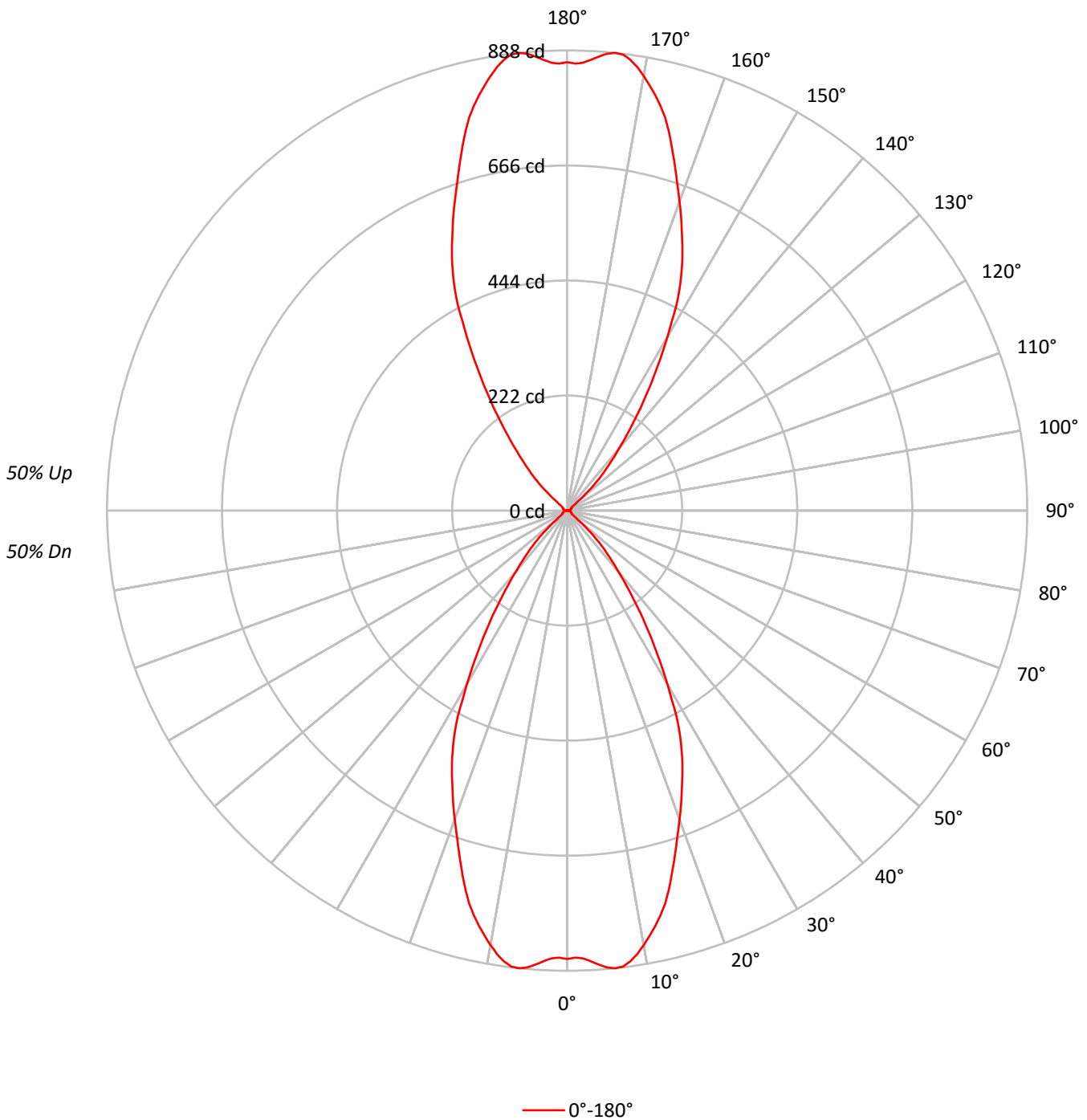
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	426921
5°	438210
10°	426594
15°	387225
20°	332773
25°	285747
30°	220362
35°	153648
40°	99443
45°	61262
50°	19343
55°	9806
60°	9670
65°	10390
70°	10531
75°	12391
80°	11649
85°	13586



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	5.3
10°-20°	209.6	13.3
20°-30°	237.1	15.1
30°-40°	161.0	10.2
40°-50°	66.5	4.2
50°-60°	11.5	0.7
60°-70°	8.5	0.5
70°-80°	6.4	0.4
80°-90°	2.3	0.1
90°-100°	2.3	0.1
100°-110°	6.4	0.4
110°-120°	8.5	0.5
120°-130°	11.5	0.7
130°-140°	66.5	4.2
140°-150°	161.0	10.2
150°-160°	237.1	15.1
160°-170°	209.6	13.3
170°-180°	83.5	5.3
0°-30°	530.2	33.7
0°-40°	691.2	43.9
0°-60°	769.2	48.9
0°-90°	786.5	50.0
90°-120°	17.3	1.1
90°-150°	256.3	16.3
90°-180°	787.0	50.0
0°-180°	1573.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	865	
5°	885	84
15°	758	210
25°	525	237
35°	255	161
45°	88	67
55°	11	12
65°	9	9
75°	6	6
85°	2	2
90°	0	0
95°	2	2
105°	6	6
115°	9	9
125°	11	12
135°	88	67
145°	255	161
155°	525	237
165°	758	210
175°	885	84
180°	865	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	865.3
1°	862.9
2°	864.5
3°	871.0
4°	878.3
5°	884.8
6°	888.1
7°	886.5
8°	878.3
9°	866.2
10°	851.5
11°	835.3
12°	819.0
13°	801.2
14°	781.7
15°	758.1
16°	732.1
17°	706.1
18°	680.9
19°	656.5
20°	633.8
21°	612.6
22°	589.9
23°	568.0
24°	546.8
25°	524.9
26°	502.1
27°	477.0
28°	449.3
29°	416.0
30°	386.8
32.5°	316.9
35°	255.1
37.5°	200.7
40°	154.4
42.5°	118.6
45°	87.8
47.5°	54.4
50°	25.2
52.5°	12.2
55°	11.4
57.5°	10.6
60°	9.8
62.5°	8.9
65°	8.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	8.1
70°	7.3
72.5°	6.5
75°	6.5
77.5°	5.7
80°	4.1
82.5°	3.3
85°	2.4
87.5°	0.8
90°	0.0
92.5°	0.8
95°	2.4
97.5°	3.3
100°	4.1
102.5°	5.7
105°	6.5
107.5°	6.5
110°	7.3
112.5°	8.1
115°	8.9
117.5°	8.9
120°	9.8
122.5°	10.6
125°	11.4
127.5°	12.2
130°	25.2
132.5°	54.4
135°	87.8
137.5°	118.6
140°	154.4
142.5°	200.7
145°	255.1
147.5°	316.9
150°	386.8
151°	416.0
152°	449.3
153°	477.0
154°	502.1
155°	524.9
156°	546.8
157°	568.0
158°	589.9
159°	612.6
160°	633.8
161°	656.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	680.9
163°	706.1
164°	732.1
165°	758.1
166°	781.7
167°	801.2
168°	819.0
169°	835.3
170°	851.5
171°	866.2
172°	878.3
173°	886.5
174°	888.1
175°	884.8
176°	878.3
177°	871.0
178°	864.5
179°	862.9
180°	865.3

(END OF REPORT)