

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: P221340

Luminaire Tested: **9002-W2-FL-LED3590-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221340  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED3590-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1677.4 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

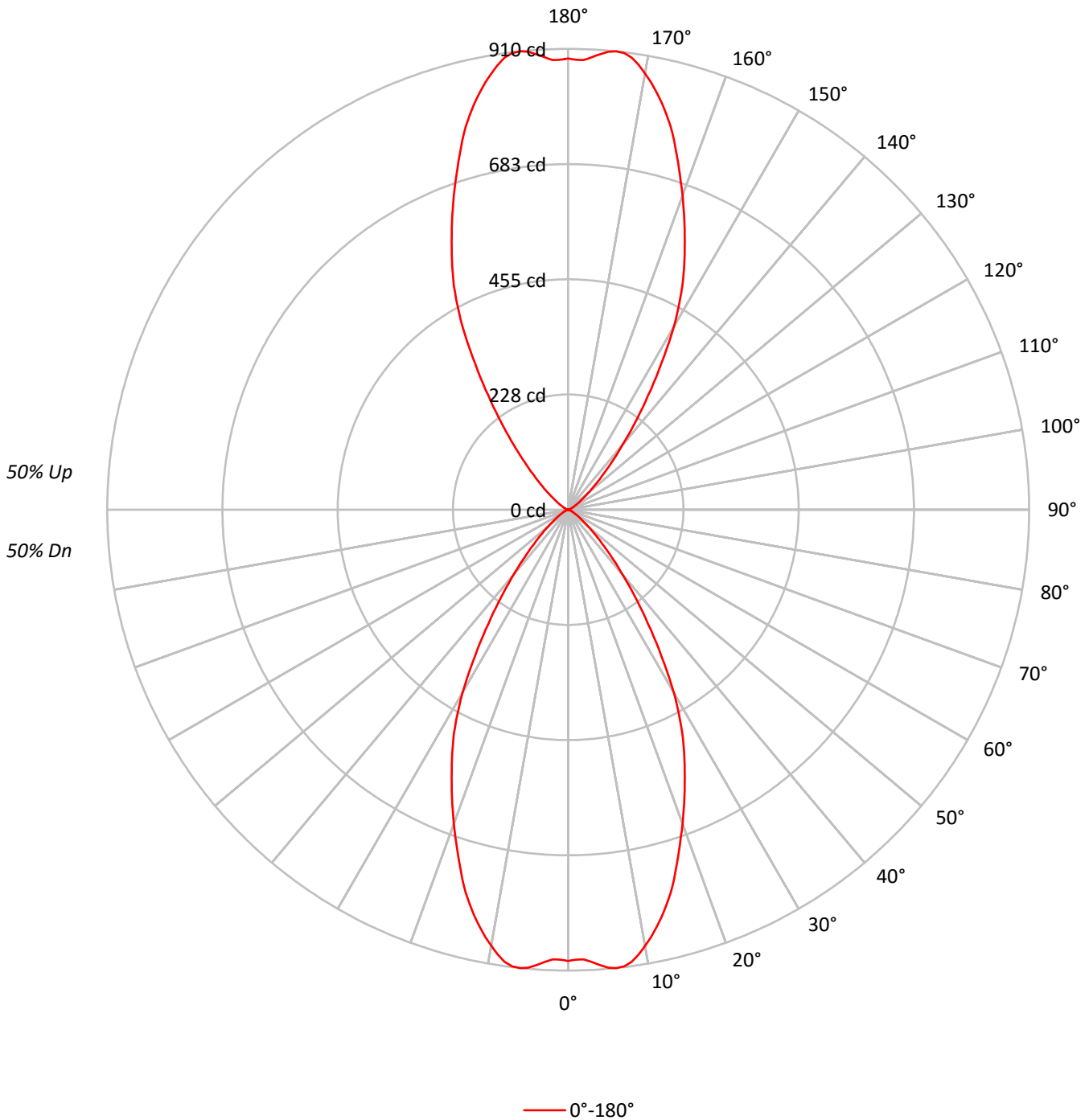
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91	92	89	87	84	76	74	73		64	63	62		53	52	52	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	64	64	60	57		55	52	50		46	45	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	45		43	41	40	36
5	75	66	59	54	70	62	56	51	54	50	46		47	44	41		41	38	37	34
6	70	60	53	48	65	57	51	46	50	46	42		44	41	38		38	36	34	31
7	66	55	49	44	61	52	46	42	47	42	39		41	38	35		36	33	32	29
8	62	51	45	40	58	49	43	39	43	39	35		38	35	32		34	31	29	27
9	58	48	41	37	55	45	39	35	41	36	33		36	33	30		32	29	28	26
10	55	44	38	34	52	42	37	33	38	34	30		34	31	28		30	28	26	24

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

	0°
0°	439700
5°	449551
10°	438217
15°	399791
20°	346634
25°	295546
30°	237567
35°	165333
40°	107429
45°	66076
50°	39990
55°	23913
60°	14604
65°	10157
70°	6203
75°	4956
80°	4830
85°	5095



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	5.1
10°-20°	216.7	12.9
20°-30°	247.3	14.7
30°-40°	173.4	10.3
40°-50°	76.5	4.6
50°-60°	26.5	1.6
60°-70°	8.8	0.5
70°-80°	3.1	0.2
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	3.1	0.2
110°-120°	8.8	0.5
120°-130°	26.5	1.6
130°-140°	76.5	4.6
140°-150°	173.4	10.3
150°-160°	247.3	14.7
160°-170°	216.7	12.9
170°-180°	85.7	5.1
0°-30°	549.7	32.8
0°-40°	723.1	43.1
0°-60°	826.1	49.2
0°-90°	838.7	50.0
90°-120°	12.6	0.8
90°-150°	289.0	17.2
90°-180°	839.0	50.0
0°-180°	1677.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	891	
5°	908	86
15°	783	217
25°	543	247
35°	274	173
45°	95	76
55°	28	26
65°	9	9
75°	3	3
85°	1	1
90°	0	0
95°	1	1
105°	3	3
115°	9	9
125°	28	26
135°	95	76
145°	274	173
155°	543	247
165°	783	217
175°	908	86
180°	891	



TEST NUMBER: P221340

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	891.2
1°	888.6
2°	888.6
3°	894.7
4°	901.7
5°	907.7
6°	910.3
7°	908.6
8°	901.7
9°	889.5
10°	874.7
11°	859.1
12°	841.7
13°	823.5
14°	803.5
15°	782.7
16°	758.3
17°	733.1
18°	708.0
19°	683.6
20°	660.2
21°	635.9
22°	612.4
23°	588.9
24°	565.5
25°	542.9
26°	520.3
27°	496.9
28°	470.8
29°	443.9
30°	417.0
32.5°	342.2
35°	274.5
37.5°	215.4
40°	166.8
42.5°	126.8
45°	94.7
47.5°	70.4
50°	52.1
52.5°	38.2
55°	27.8
57.5°	20.0
60°	14.8
62.5°	11.3
65°	8.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	6.1
70°	4.3
72.5°	3.5
75°	2.6
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.9
97.5°	0.9
100°	1.7
102.5°	2.6
105°	2.6
107.5°	3.5
110°	4.3
112.5°	6.1
115°	8.7
117.5°	11.3
120°	14.8
122.5°	20.0
125°	27.8
127.5°	38.2
130°	52.1
132.5°	70.4
135°	94.7
137.5°	126.8
140°	166.8
142.5°	215.4
145°	274.5
147.5°	342.2
150°	417.0
151°	443.9
152°	470.8
153°	496.9
154°	520.3
155°	542.9
156°	565.5
157°	588.9
158°	612.4
159°	635.9
160°	660.2
161°	683.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	708.0
163°	733.1
164°	758.3
165°	782.7
166°	803.5
167°	823.5
168°	841.7
169°	859.1
170°	874.7
171°	889.5
172°	901.7
173°	908.6
174°	910.3
175°	907.7
176°	901.7
177°	894.7
178°	888.6
179°	888.6
180°	891.2

(END OF REPORT)