

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: P221557

Luminaire Tested: **9003-W2-FL-LED2790-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221557  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED2790-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1328.0 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

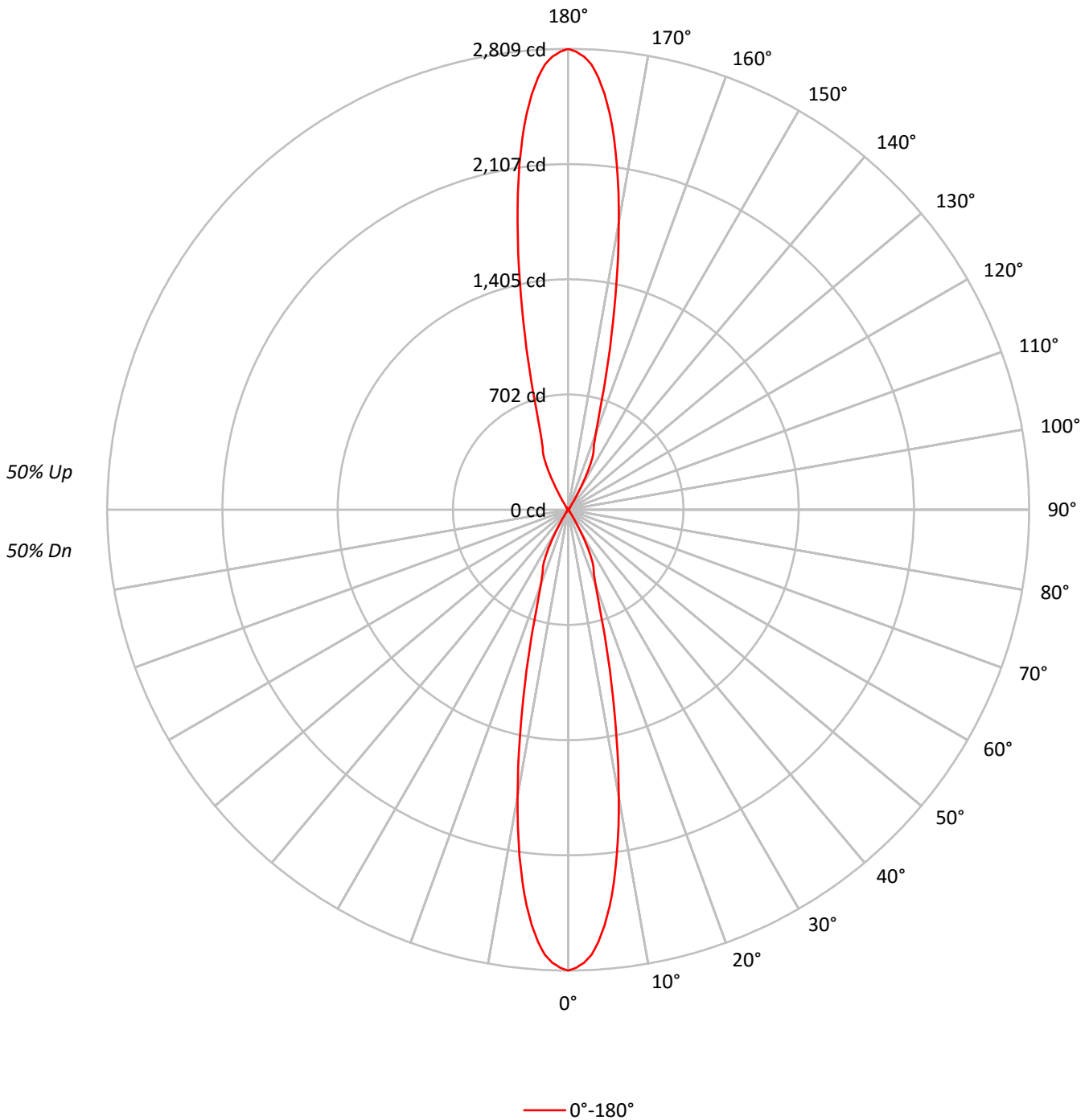
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	98	95	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	50	49	48	45				
4	85	77	71	67	79	72	68	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	55	50	46	50	46	44	46	43	41	41	40	38	37				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	36				

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

	0°
0°	616047
5°	559761
10°	395628
15°	213804
20°	113713
25°	83642
30°	33777
35°	6451
40°	3406
45°	1520
50°	1262
55°	1109
60°	877
65°	830
70°	769
75°	678
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.9	16.4
10°-20°	265.8	20.0
20°-30°	146.3	11.0
30°-40°	24.3	1.8
40°-50°	4.4	0.3
50°-60°	2.6	0.2
60°-70°	1.6	0.1
70°-80°	0.8	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.8	0.1
110°-120°	1.6	0.1
120°-130°	2.6	0.2
130°-140°	4.4	0.3
140°-150°	24.3	1.8
150°-160°	146.3	11.0
160°-170°	265.8	20.0
170°-180°	217.9	16.4
0°-30°	630.0	47.4
0°-40°	654.3	49.3
0°-60°	661.3	49.8
0°-90°	664.0	50.0
90°-120°	2.7	0.2
90°-150°	34.0	2.6
90°-180°	664.0	50.0
0°-180°	1328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2809	
5°	2543	218
15°	942	266
25°	346	146
35°	24	24
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	5	4
145°	24	24
155°	346	146
165°	942	266
175°	2543	218
180°	2809	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2809.4
1°	2792.2
2°	2763.1
3°	2717.3
4°	2639.6
5°	2543.0
6°	2426.4
7°	2287.8
8°	2129.8
9°	1956.8
10°	1776.8
11°	1595.1
12°	1416.8
13°	1246.2
14°	1088.6
15°	941.8
16°	815.0
17°	700.8
18°	611.6
19°	540.4
20°	487.3
21°	446.8
22°	417.3
23°	396.4
24°	375.6
25°	345.7
26°	308.5
27°	266.7
28°	221.3
29°	176.7
30°	133.4
32.5°	48.3
35°	24.1
37.5°	17.2
40°	11.9
42.5°	6.1
45°	4.9
47.5°	4.5
50°	3.7
52.5°	3.3
55°	2.9
57.5°	2.5
60°	2.0
62.5°	2.0
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.2
70°	1.2
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.8
105°	0.8
107.5°	0.8
110°	1.2
112.5°	1.2
115°	1.6
117.5°	2.0
120°	2.0
122.5°	2.5
125°	2.9
127.5°	3.3
130°	3.7
132.5°	4.5
135°	4.9
137.5°	6.1
140°	11.9
142.5°	17.2
145°	24.1
147.5°	48.3
150°	133.4
151°	176.7
152°	221.3
153°	266.7
154°	308.5
155°	345.7
156°	375.6
157°	396.4
158°	417.3
159°	446.8
160°	487.3
161°	540.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	611.6
163°	700.8
164°	815.0
165°	941.8
166°	1088.6
167°	1246.2
168°	1416.8
169°	1595.1
170°	1776.8
171°	1956.8
172°	2129.8
173°	2287.8
174°	2426.4
175°	2543.0
176°	2639.6
177°	2717.3
178°	2763.1
179°	2792.2
180°	2809.4

(END OF REPORT)