

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: P221405

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED2797-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1094.0 lumens  
Efficiency: N/A  
Efficacy: 55.8 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

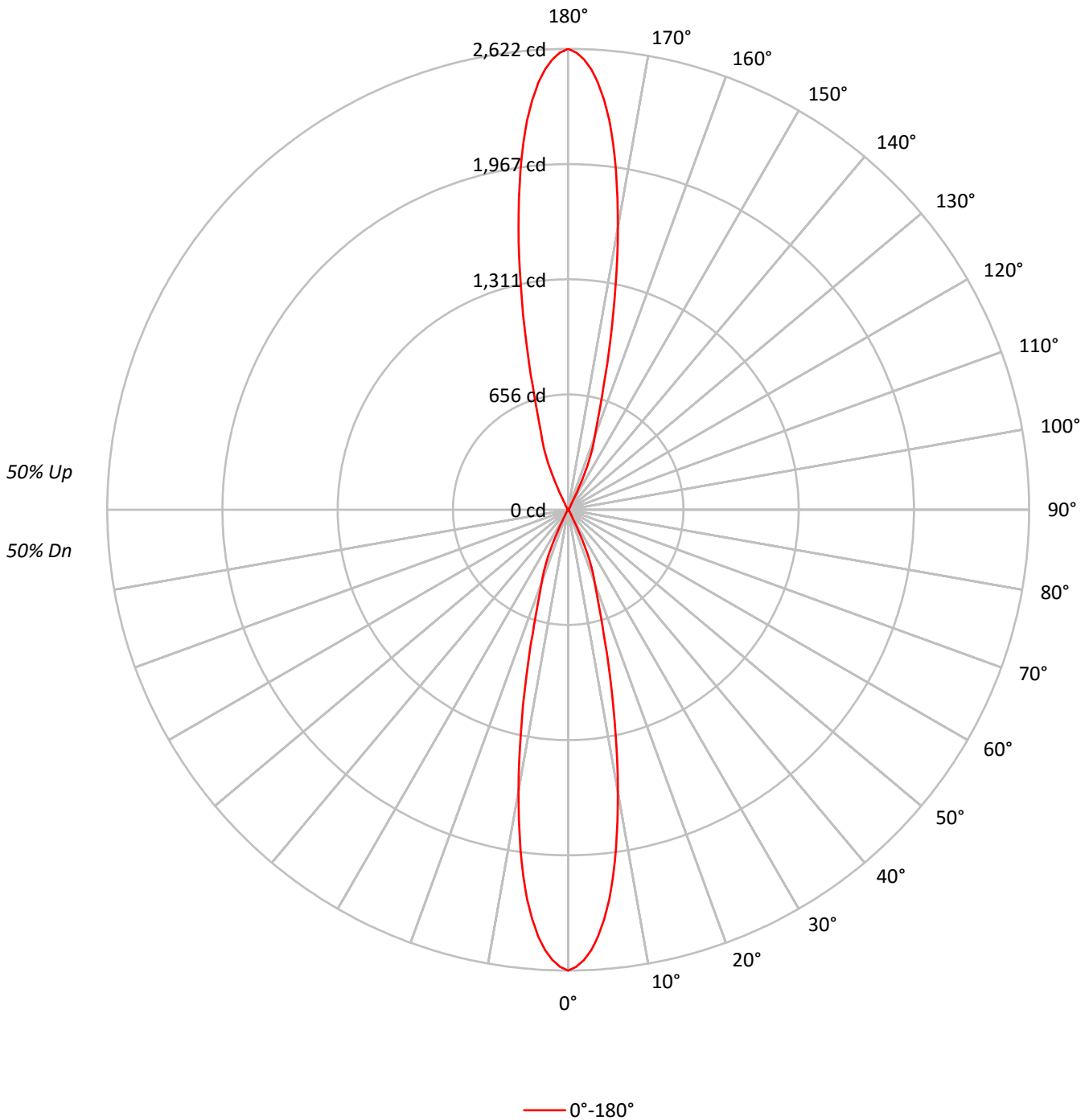
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43				
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41				
7	73	64	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40				
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39				
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38				
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37				

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

	0°
0°	575042
5°	515319
10°	362028
15°	194280
20°	102209
25°	45680
30°	8837
35°	3239
40°	1832
45°	1520
50°	1296
55°	1032
60°	833
65°	571
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	18.3
10°-20°	241.4	22.1
20°-30°	88.1	8.1
30°-40°	9.7	0.9
40°-50°	3.8	0.3
50°-60°	2.4	0.2
60°-70°	1.1	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.1	0.1
120°-130°	2.4	0.2
130°-140°	3.8	0.3
140°-150°	9.7	0.9
150°-160°	88.1	8.1
160°-170°	241.4	22.1
170°-180°	200.3	18.3
0°-30°	529.7	48.4
0°-40°	539.5	49.3
0°-60°	545.7	49.9
0°-90°	547.0	50.0
90°-120°	1.4	0.1
90°-150°	17.4	1.6
90°-180°	547.0	50.0
0°-180°	1094.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2622	
5°	2341	200
15°	856	241
25°	189	88
35°	12	10
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	5	4
145°	12	10
155°	189	88
165°	856	241
175°	2341	200
180°	2622	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2622.4
1°	2601.2
2°	2564.0
3°	2509.4
4°	2434.0
5°	2341.1
6°	2230.0
7°	2099.5
8°	1951.7
9°	1791.3
10°	1625.9
11°	1459.5
12°	1294.5
13°	1138.7
14°	990.1
15°	855.8
16°	732.6
17°	632.1
18°	550.6
19°	486.1
20°	438.0
21°	398.5
22°	353.4
23°	299.9
24°	244.2
25°	188.8
26°	136.1
27°	89.1
28°	56.1
29°	41.0
30°	34.9
32.5°	23.5
35°	12.1
37.5°	8.0
40°	6.4
42.5°	5.7
45°	4.9
47.5°	4.2
50°	3.8
52.5°	3.0
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.5
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.8
115°	1.1
117.5°	1.5
120°	1.9
122.5°	2.3
125°	2.7
127.5°	3.0
130°	3.8
132.5°	4.2
135°	4.9
137.5°	5.7
140°	6.4
142.5°	8.0
145°	12.1
147.5°	23.5
150°	34.9
151°	41.0
152°	56.1
153°	89.1
154°	136.1
155°	188.8
156°	244.2
157°	299.9
158°	353.4
159°	398.5
160°	438.0
161°	486.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	550.6
163°	632.1
164°	732.6
165°	855.8
166°	990.1
167°	1138.7
168°	1294.5
169°	1459.5
170°	1625.9
171°	1791.3
172°	1951.7
173°	2099.5
174°	2230.0
175°	2341.1
176°	2434.0
177°	2509.4
178°	2564.0
179°	2601.2
180°	2622.4

(END OF REPORT)