

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: P221606

Luminaire Tested: **9003-W2-FL-LED3097-M-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221606  
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-LED3097-M-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2291.3 lumens  
Efficiency: N/A  
Efficacy: 57.0 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

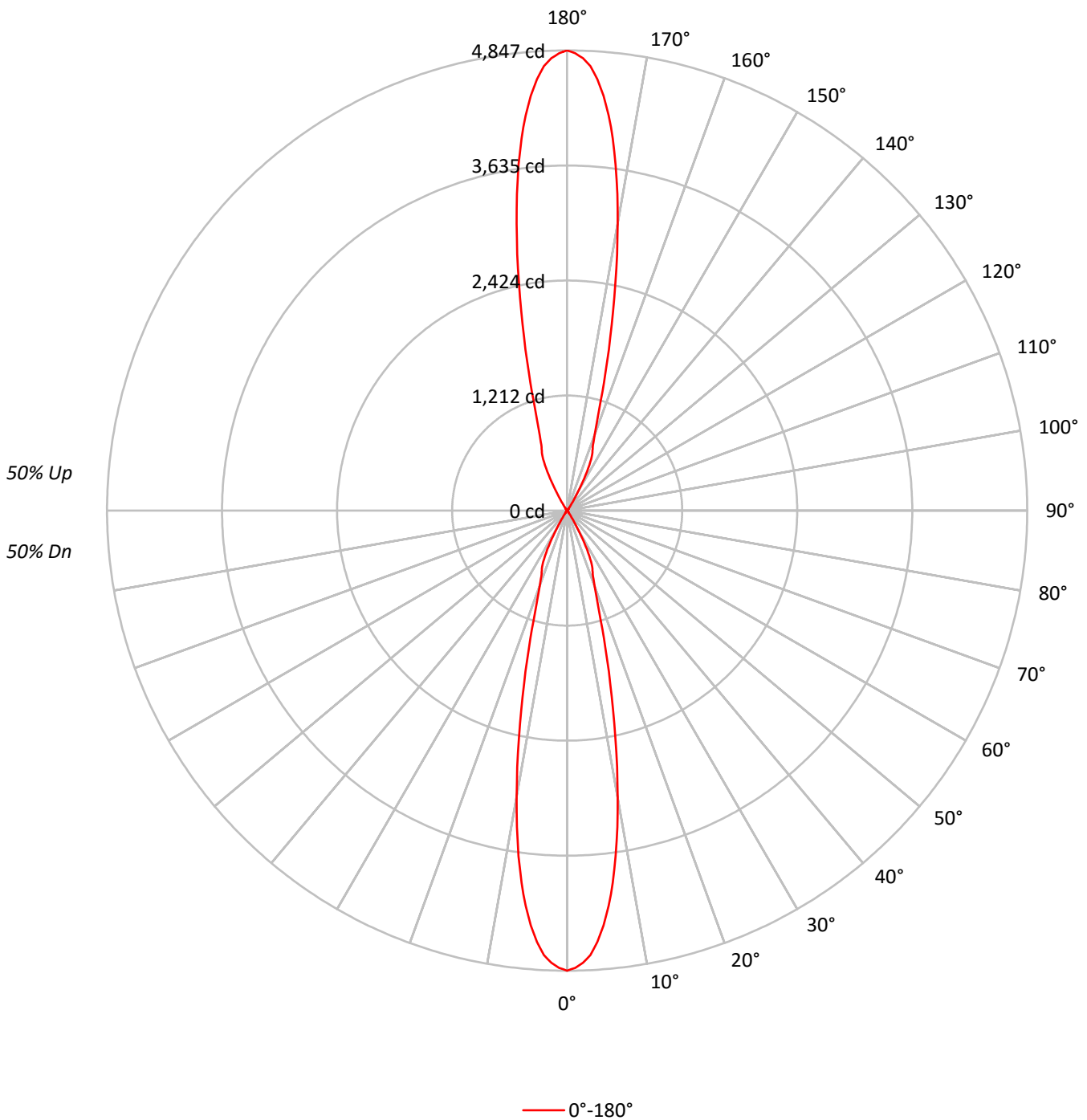
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1062853
5°	965769
10°	682575
15°	368856
20°	196180
25°	144299
30°	58262
35°	11136
40°	5868
45°	2636
50°	2183
55°	1873
60°	1535
65°	1453
70°	1346
75°	1186
80°	884
85°	1761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.9	16.4
10°-20°	458.6	20.0
20°-30°	252.4	11.0
30°-40°	41.9	1.8
40°-50°	7.7	0.3
50°-60°	4.4	0.2
60°-70°	2.8	0.1
70°-80°	1.5	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.5	0.1
110°-120°	2.8	0.1
120°-130°	4.4	0.2
130°-140°	7.7	0.3
140°-150°	41.9	1.8
150°-160°	252.4	11.0
160°-170°	458.6	20.0
170°-180°	375.9	16.4
0°-30°	1087.0	47.4
0°-40°	1128.8	49.3
0°-60°	1140.9	49.8
0°-90°	1145.6	50.0
90°-120°	4.7	0.2
90°-150°	58.7	2.6
90°-180°	1146.0	50.0
0°-180°	2291.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4847	
5°	4388	376
15°	1625	459
25°	596	252
35°	42	42
45°	8	8
55°	5	4
65°	3	3
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	3	3
125°	5	4
135°	8	8
145°	42	42
155°	596	252
165°	1625	459
175°	4388	376
180°	4847	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4847.0
1°	4817.3
2°	4767.2
3°	4688.2
4°	4554.1
5°	4387.5
6°	4186.3
7°	3947.0
8°	3674.6
9°	3376.0
10°	3065.5
11°	2752.1
12°	2444.3
13°	2150.0
14°	1878.2
15°	1624.8
16°	1406.0
17°	1209.1
18°	1055.2
19°	932.4
20°	840.7
21°	770.8
22°	720.0
23°	684.0
24°	648.0
25°	596.4
26°	532.2
27°	460.2
28°	381.9
29°	304.9
30°	230.1
32.5°	83.3
35°	41.6
37.5°	29.6
40°	20.5
42.5°	10.6
45°	8.5
47.5°	7.8
50°	6.4
52.5°	5.6
55°	4.9
57.5°	4.2
60°	3.5
62.5°	3.5
65°	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.1
70°	2.1
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	1.4
105°	1.4
107.5°	1.4
110°	2.1
112.5°	2.1
115°	2.8
117.5°	3.5
120°	3.5
122.5°	4.2
125°	4.9
127.5°	5.6
130°	6.4
132.5°	7.8
135°	8.5
137.5°	10.6
140°	20.5
142.5°	29.6
145°	41.6
147.5°	83.3
150°	230.1
151°	304.9
152°	381.9
153°	460.2
154°	532.2
155°	596.4
156°	648.0
157°	684.0
158°	720.0
159°	770.8
160°	840.7
161°	932.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1055.2
163°	1209.1
164°	1406.0
165°	1624.8
166°	1878.2
167°	2150.0
168°	2444.3
169°	2752.1
170°	3065.5
171°	3376.0
172°	3674.6
173°	3947.0
174°	4186.3
175°	4387.5
176°	4554.1
177°	4688.2
178°	4767.2
179°	4817.3
180°	4847.0

(END OF REPORT)