

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: P221573

Luminaire Tested: **9003-W2-FL-LED2797-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221573  
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-LED2797-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 1231.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 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

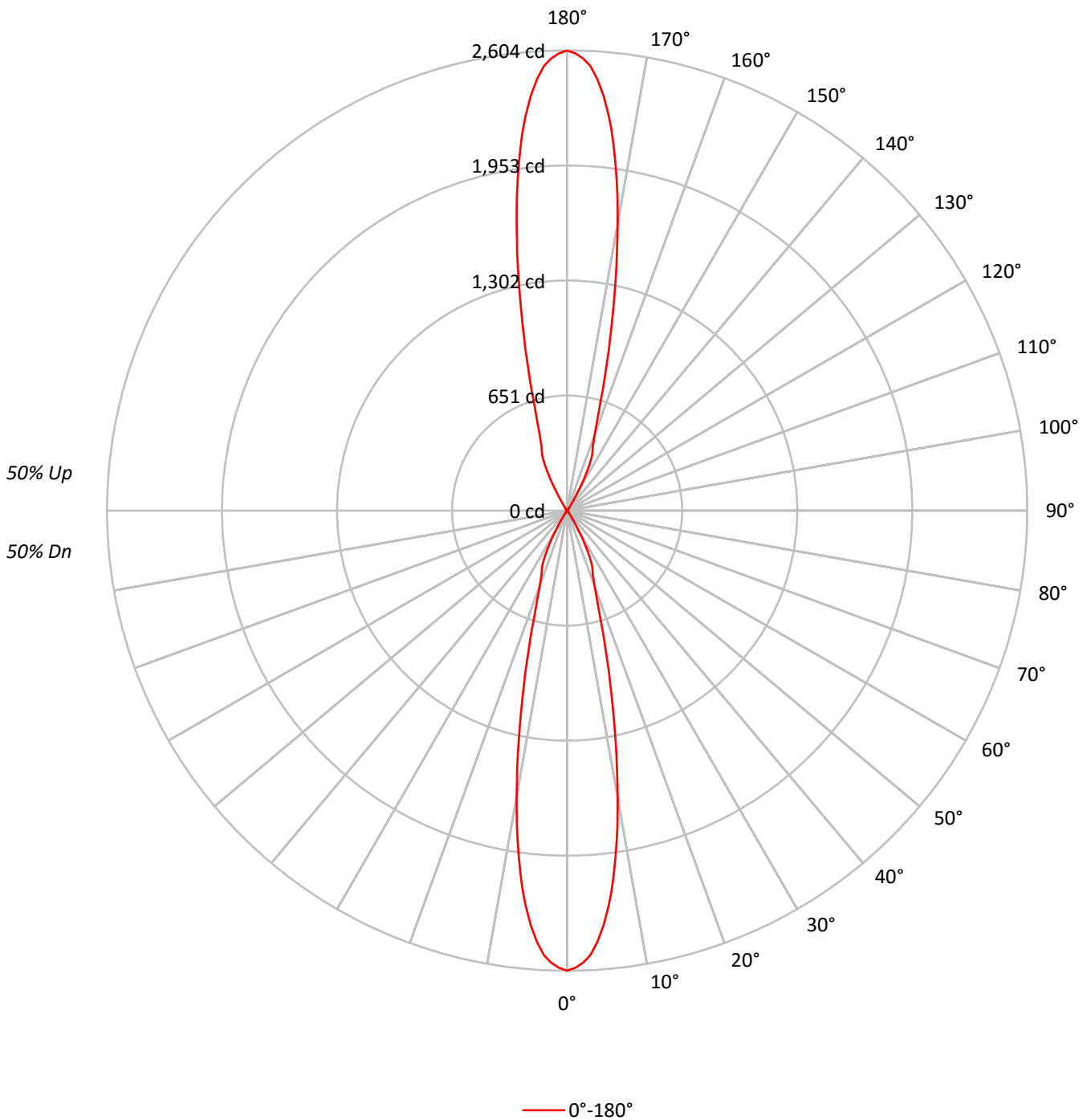
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	35				

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

	0°
0°	570985
5°	518819
10°	366682
15°	198162
20°	105382
25°	77521
30°	31296
35°	5996
40°	3149
45°	1427
50°	1160
55°	1032
60°	833
65°	778
70°	705
75°	678
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.9	16.4
10°-20°	246.4	20.0
20°-30°	135.6	11.0
30°-40°	22.5	1.8
40°-50°	4.1	0.3
50°-60°	2.4	0.2
60°-70°	1.5	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°	1.5	0.1
120°-130°	2.4	0.2
130°-140°	4.1	0.3
140°-150°	22.5	1.8
150°-160°	135.6	11.0
160°-170°	246.4	20.0
170°-180°	201.9	16.4
0°-30°	583.9	47.4
0°-40°	606.4	49.3
0°-60°	612.9	49.8
0°-90°	615.5	50.0
90°-120°	2.6	0.2
90°-150°	31.6	2.6
90°-180°	616.0	50.0
0°-180°	1231.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2604	
5°	2357	202
15°	873	246
25°	320	136
35°	22	22
45°	5	4
55°	3	2
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	3	2
135°	5	4
145°	22	22
155°	320	136
165°	873	246
175°	2357	202
180°	2604	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2603.9
1°	2587.9
2°	2561.0
3°	2518.5
4°	2446.5
5°	2357.0
6°	2248.9
7°	2120.4
8°	1974.0
9°	1813.6
10°	1646.8
11°	1478.4
12°	1313.1
13°	1155.0
14°	1009.0
15°	872.9
16°	755.3
17°	649.5
18°	566.9
19°	500.9
20°	451.6
21°	414.1
22°	386.8
23°	367.4
24°	348.1
25°	320.4
26°	285.9
27°	247.2
28°	205.1
29°	163.8
30°	123.6
32.5°	44.7
35°	22.4
37.5°	15.9
40°	11.0
42.5°	5.7
45°	4.6
47.5°	4.2
50°	3.4
52.5°	3.0
55°	2.7
57.5°	2.3
60°	1.9
62.5°	1.9
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.1
70°	1.1
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°	1.1
112.5°	1.1
115°	1.5
117.5°	1.9
120°	1.9
122.5°	2.3
125°	2.7
127.5°	3.0
130°	3.4
132.5°	4.2
135°	4.6
137.5°	5.7
140°	11.0
142.5°	15.9
145°	22.4
147.5°	44.7
150°	123.6
151°	163.8
152°	205.1
153°	247.2
154°	285.9
155°	320.4
156°	348.1
157°	367.4
158°	386.8
159°	414.1
160°	451.6
161°	500.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	566.9
163°	649.5
164°	755.3
165°	872.9
166°	1009.0
167°	1155.0
168°	1313.1
169°	1478.4
170°	1646.8
171°	1813.6
172°	1974.0
173°	2120.4
174°	2248.9
175°	2357.0
176°	2446.5
177°	2518.5
178°	2561.0
179°	2587.9
180°	2603.9

(END OF REPORT)