

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: P221581

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1235.9 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

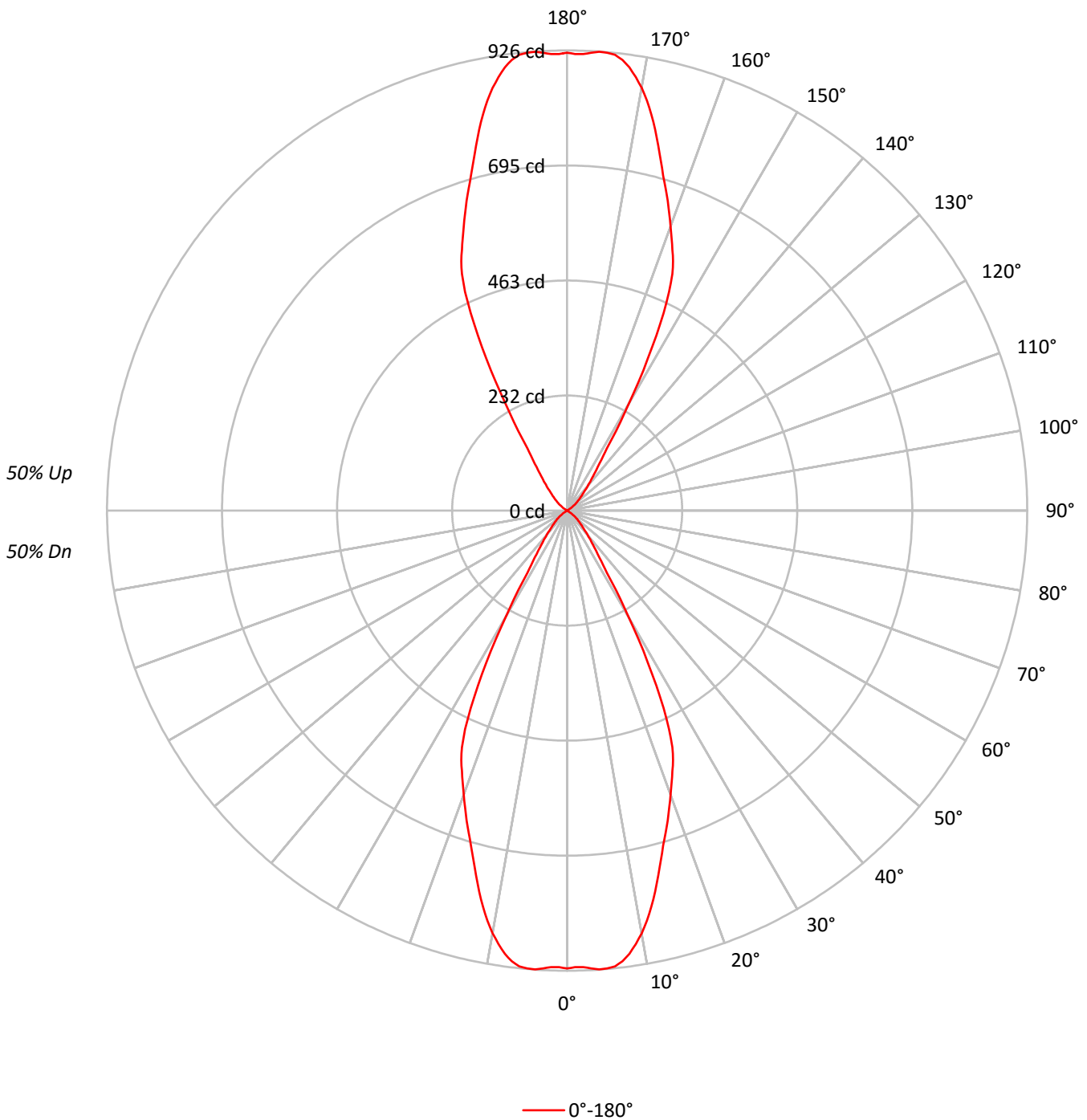
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

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

	0°
0°	202045
5°	203565
10°	192337
15°	165449
20°	142019
25°	117515
30°	62693
35°	28536
40°	18234
45°	12001
50°	8392
55°	4205
60°	1009
65°	986
70°	962
75°	678
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.4	7.0
10°-20°	203.8	16.5
20°-30°	208.3	16.9
30°-40°	75.4	6.1
40°-50°	31.1	2.5
50°-60°	10.0	0.8
60°-70°	1.8	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.8	0.1
120°-130°	10.0	0.8
130°-140°	31.1	2.5
140°-150°	75.4	6.1
150°-160°	208.3	16.9
160°-170°	203.8	16.5
170°-180°	86.4	7.0
0°-30°	498.5	40.3
0°-40°	573.9	46.4
0°-60°	615.0	49.8
0°-90°	617.9	50.0
90°-120°	2.9	0.2
90°-150°	119.4	9.7
90°-180°	618.0	50.0
0°-180°	1235.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	921	
5°	925	86
15°	729	204
25°	486	208
35°	107	75
45°	39	31
55°	11	10
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	11	10
135°	39	31
145°	107	75
155°	486	208
165°	729	204
175°	925	86
180°	921	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	921.4
1°	918.8
2°	919.1
3°	922.6
4°	925.6
5°	924.8
6°	922.2
7°	913.8
8°	900.6
9°	883.1
10°	863.8
11°	840.7
12°	815.2
13°	786.8
14°	757.2
15°	728.8
16°	701.5
17°	677.6
18°	655.6
19°	631.3
20°	608.6
21°	587.0
22°	565.7
23°	545.3
24°	521.0
25°	485.7
26°	442.5
27°	395.5
28°	345.8
29°	295.8
30°	247.6
32.5°	148.6
35°	106.6
37.5°	82.3
40°	63.7
42.5°	48.5
45°	38.7
47.5°	31.1
50°	24.6
52.5°	18.2
55°	11.0
57.5°	3.0
60°	2.3
62.5°	1.9
65°	1.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.5
70°	1.5
72.5°	1.1
75°	0.8
77.5°	0.4
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°	0.4
105°	0.8
107.5°	1.1
110°	1.5
112.5°	1.5
115°	1.9
117.5°	1.9
120°	2.3
122.5°	3.0
125°	11.0
127.5°	18.2
130°	24.6
132.5°	31.1
135°	38.7
137.5°	48.5
140°	63.7
142.5°	82.3
145°	106.6
147.5°	148.6
150°	247.6
151°	295.8
152°	345.8
153°	395.5
154°	442.5
155°	485.7
156°	521.0
157°	545.3
158°	565.7
159°	587.0
160°	608.6
161°	631.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	655.6
163°	677.6
164°	701.5
165°	728.8
166°	757.2
167°	786.8
168°	815.2
169°	840.7
170°	863.8
171°	883.1
172°	900.6
173°	913.8
174°	922.2
175°	924.8
176°	925.6
177°	922.6
178°	919.1
179°	918.8
180°	921.4

(END OF REPORT)