

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: P221413

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1037.6 lumens  
Efficiency: N/A  
Efficacy: 52.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

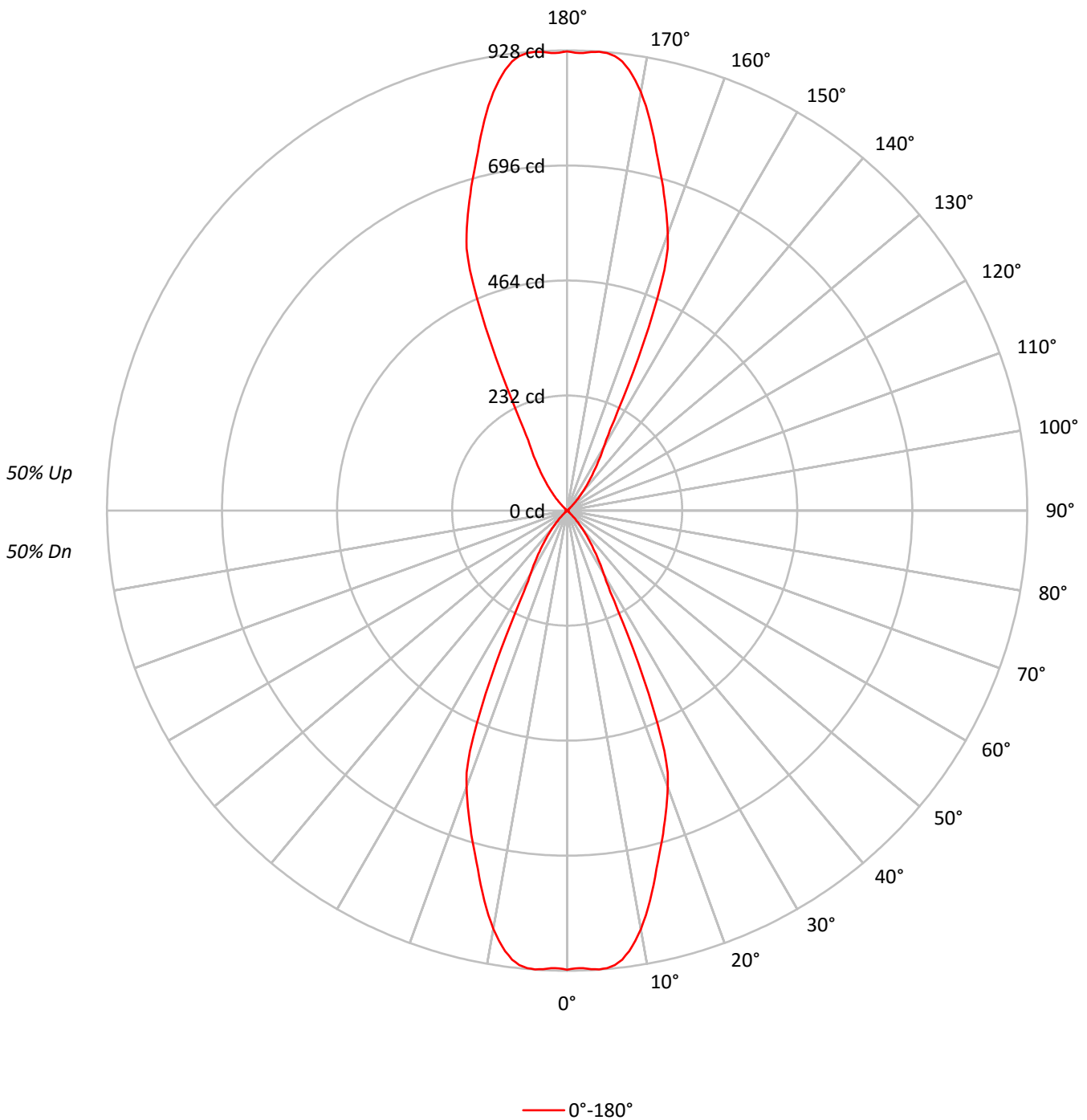
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

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

	0°
0°	203054
5°	203896
10°	190733
15°	162952
20°	138472
25°	82287
30°	37449
35°	23744
40°	13454
45°	4931
50°	1569
55°	1147
60°	1009
65°	571
70°	256
75°	339
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	8.3
10°-20°	200.6	19.3
20°-30°	155.7	15.0
30°-40°	56.8	5.5
40°-50°	15.0	1.4
50°-60°	2.8	0.3
60°-70°	1.2	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.2	0.1
120°-130°	2.8	0.3
130°-140°	15.0	1.4
140°-150°	56.8	5.5
150°-160°	155.7	15.0
160°-170°	200.6	19.3
170°-180°	86.3	8.3
0°-30°	442.6	42.7
0°-40°	499.4	48.1
0°-60°	517.2	49.8
0°-90°	518.8	50.0
90°-120°	1.6	0.2
90°-150°	76.2	7.3
90°-180°	519.0	50.0
0°-180°	1037.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	926	
5°	926	86
15°	718	201
25°	340	156
35°	89	57
45°	16	15
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	16	15
145°	89	57
155°	340	156
165°	718	201
175°	926	86
180°	926	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	926.0
1°	923.3
2°	923.3
3°	926.0
4°	927.5
5°	926.3
6°	921.8
7°	912.3
8°	897.5
9°	878.2
10°	856.6
11°	831.6
12°	803.9
13°	774.7
14°	744.7
15°	717.8
16°	693.5
17°	667.7
18°	643.1
19°	618.1
20°	593.4
21°	566.1
22°	522.9
23°	466.0
24°	404.2
25°	340.1
26°	279.8
27°	226.0
28°	185.4
29°	162.3
30°	147.9
32.5°	116.4
35°	88.7
37.5°	66.7
40°	47.0
42.5°	31.1
45°	15.9
47.5°	7.2
50°	4.6
52.5°	3.4
55°	3.0
57.5°	2.7
60°	2.3
62.5°	1.5
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.1
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
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°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	1.1
115°	1.1
117.5°	1.5
120°	2.3
122.5°	2.7
125°	3.0
127.5°	3.4
130°	4.6
132.5°	7.2
135°	15.9
137.5°	31.1
140°	47.0
142.5°	66.7
145°	88.7
147.5°	116.4
150°	147.9
151°	162.3
152°	185.4
153°	226.0
154°	279.8
155°	340.1
156°	404.2
157°	466.0
158°	522.9
159°	566.1
160°	593.4
161°	618.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	643.1
163°	667.7
164°	693.5
165°	717.8
166°	744.7
167°	774.7
168°	803.9
169°	831.6
170°	856.6
171°	878.2
172°	897.5
173°	912.3
174°	921.8
175°	926.3
176°	927.5
177°	926.0
178°	923.3
179°	923.3
180°	926.0

(END OF REPORT)