

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: P221511

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1463.3 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

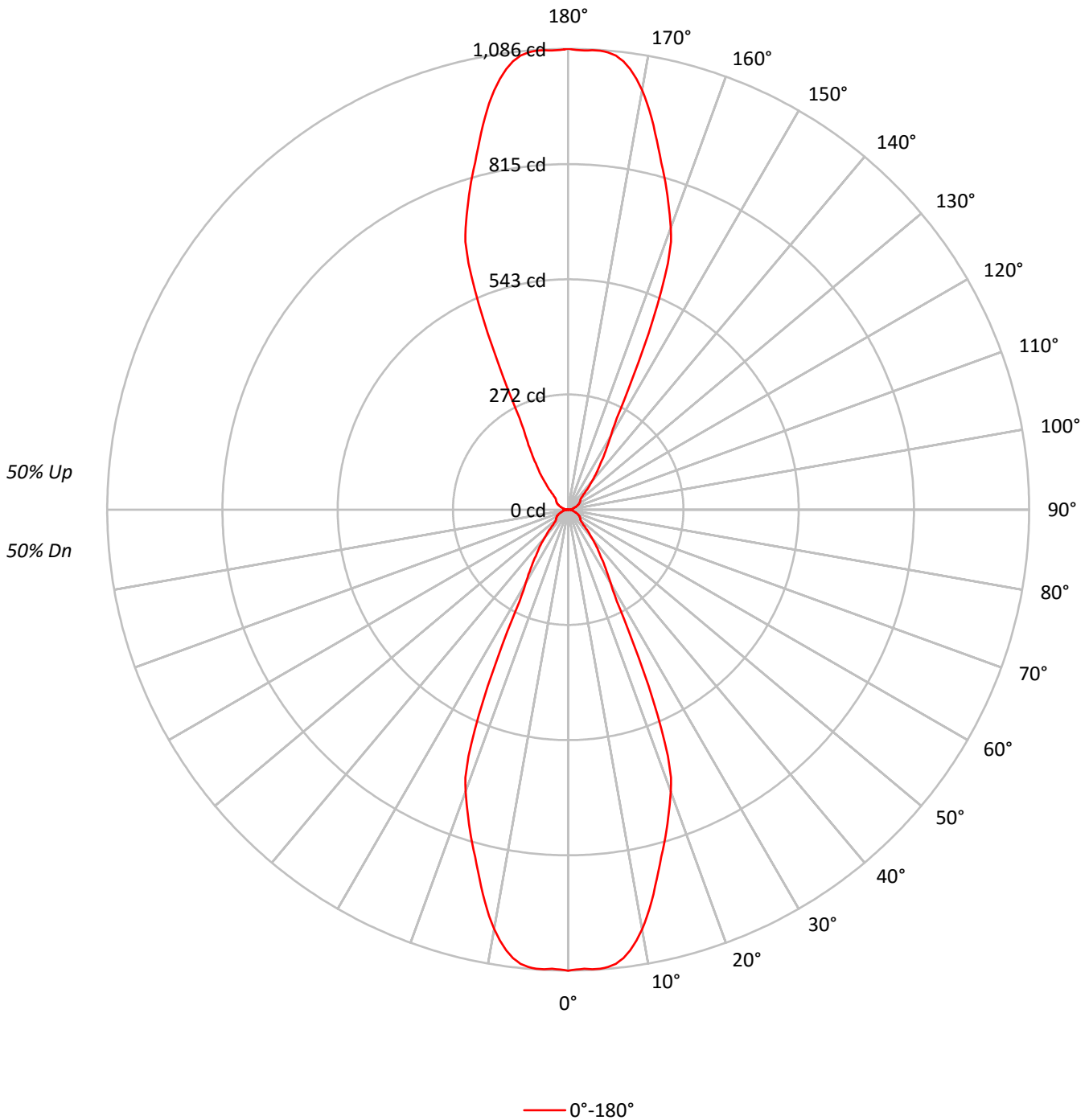
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72	64	63	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	74	68	64	64	60	57	55	52	50	46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51	51	48	46	43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47	48	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43	45	41	39	39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40	42	39	36	37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37	40	36	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	29	28	26

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

	0°
0°	238248
5°	238124
10°	223465
15°	192192
20°	165051
25°	101643
30°	50742
35°	35576
40°	24732
45°	15878
50°	12895
55°	13151
60°	13376
65°	12920
70°	11605
75°	10929
80°	11996
85°	11825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.9	6.9
10°-20°	236.9	16.2
20°-30°	192.3	13.1
30°-40°	85.0	5.8
40°-50°	42.6	2.9
50°-60°	30.6	2.1
60°-70°	24.3	1.7
70°-80°	13.9	0.9
80°-90°	5.1	0.4
90°-100°	5.1	0.4
100°-110°	13.9	0.9
110°-120°	24.3	1.7
120°-130°	30.6	2.1
130°-140°	42.6	2.9
140°-150°	85.0	5.8
150°-160°	192.3	13.1
160°-170°	236.9	16.2
170°-180°	100.9	6.9
0°-30°	530.1	36.2
0°-40°	615.1	42.0
0°-60°	688.4	47.0
0°-90°	731.6	50.0
90°-120°	43.3	3.0
90°-150°	201.6	13.8
90°-180°	732.0	50.0
0°-180°	1463.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1086	
5°	1082	101
15°	847	237
25°	420	192
35°	133	85
45°	51	43
55°	34	31
65°	25	24
75°	13	14
85°	5	5
90°	0	1
95°	5	5
105°	13	14
115°	25	24
125°	34	31
135°	51	43
145°	133	85
155°	420	192
165°	847	237
175°	1082	101
180°	1086	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1086.5
1°	1083.5
2°	1082.7
3°	1084.4
4°	1084.4
5°	1081.8
6°	1076.2
7°	1065.0
8°	1048.7
9°	1027.6
10°	1003.6
11°	975.6
12°	944.7
13°	911.1
14°	878.0
15°	846.6
16°	819.5
17°	791.2
18°	762.8
19°	734.4
20°	707.3
21°	675.9
22°	626.5
23°	562.8
24°	493.2
25°	420.1
26°	351.3
27°	290.2
28°	243.8
29°	217.1
30°	200.4
32.5°	164.2
35°	132.9
37.5°	109.6
40°	86.4
42.5°	68.4
45°	51.2
47.5°	41.3
50°	37.8
52.5°	36.1
55°	34.4
57.5°	32.2
60°	30.5
62.5°	27.9
65°	24.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.1
70°	18.1
72.5°	14.6
75°	12.9
77.5°	11.2
80°	9.5
82.5°	7.3
85°	4.7
87.5°	2.1
90°	0.0
92.5°	2.1
95°	4.7
97.5°	7.3
100°	9.5
102.5°	11.2
105°	12.9
107.5°	14.6
110°	18.1
112.5°	21.1
115°	24.9
117.5°	27.9
120°	30.5
122.5°	32.2
125°	34.4
127.5°	36.1
130°	37.8
132.5°	41.3
135°	51.2
137.5°	68.4
140°	86.4
142.5°	109.6
145°	132.9
147.5°	164.2
150°	200.4
151°	217.1
152°	243.8
153°	290.2
154°	351.3
155°	420.1
156°	493.2
157°	562.8
158°	626.5
159°	675.9
160°	707.3
161°	734.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	762.8
163°	791.2
164°	819.5
165°	846.6
166°	878.0
167°	911.1
168°	944.7
169°	975.6
170°	1003.6
171°	1027.6
172°	1048.7
173°	1065.0
174°	1076.2
175°	1081.8
176°	1084.4
177°	1084.4
178°	1082.7
179°	1083.5
180°	1086.5

(END OF REPORT)