

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: P221497

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)  
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-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1400.8 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

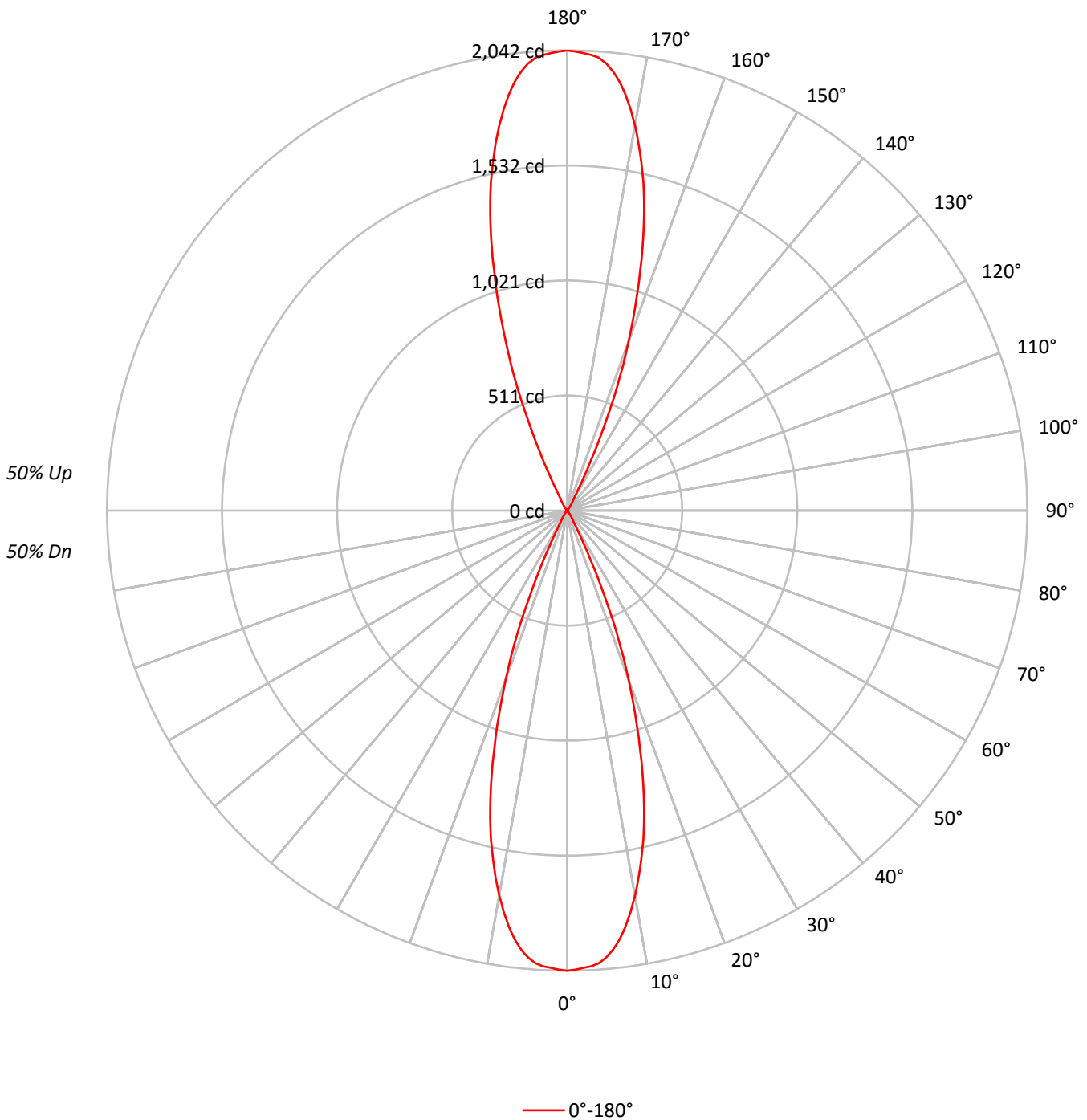
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	74		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	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	48	46		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

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

	0°
0°	447859
5°	438211
10°	386210
15°	298390
20°	185329
25°	68665
30°	14382
35°	5407
40°	1975
45°	1333
50°	1160
55°	994
60°	746
65°	467
70°	256
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.8	13.0
10°-20°	352.7	25.2
20°-30°	143.7	10.3
30°-40°	15.2	1.1
40°-50°	3.6	0.3
50°-60°	2.3	0.2
60°-70°	1.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.0	0.1
120°-130°	2.3	0.2
130°-140°	3.6	0.3
140°-150°	15.2	1.1
150°-160°	143.7	10.3
160°-170°	352.7	25.2
170°-180°	181.8	13.0
0°-30°	678.2	48.4
0°-40°	693.4	49.5
0°-60°	699.2	49.9
0°-90°	700.4	50.0
90°-120°	1.3	0.1
90°-150°	22.3	1.6
90°-180°	701.0	50.0
0°-180°	1400.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2042	
5°	1991	182
15°	1314	353
25°	284	144
35°	20	15
45°	4	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	4
145°	20	15
155°	284	144
165°	1314	353
175°	1991	182
180°	2042	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2042.4
1°	2037.2
2°	2031.2
3°	2025.6
4°	2014.4
5°	1990.8
6°	1958.5
7°	1916.4
8°	1862.6
9°	1801.6
10°	1734.5
11°	1661.0
12°	1582.7
13°	1501.0
14°	1411.6
15°	1314.4
16°	1215.5
17°	1105.9
18°	1003.6
19°	896.9
20°	794.2
21°	694.0
22°	587.8
23°	479.4
24°	376.7
25°	283.8
26°	203.4
27°	138.5
28°	91.6
29°	67.9
30°	56.8
32.5°	37.4
35°	20.2
37.5°	11.2
40°	6.9
42.5°	5.2
45°	4.3
47.5°	3.9
50°	3.4
52.5°	3.0
55°	2.6
57.5°	2.1
60°	1.7
62.5°	1.3
65°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	0.4
110°	0.4
112.5°	0.9
115°	0.9
117.5°	1.3
120°	1.7
122.5°	2.1
125°	2.6
127.5°	3.0
130°	3.4
132.5°	3.9
135°	4.3
137.5°	5.2
140°	6.9
142.5°	11.2
145°	20.2
147.5°	37.4
150°	56.8
151°	67.9
152°	91.6
153°	138.5
154°	203.4
155°	283.8
156°	376.7
157°	479.4
158°	587.8
159°	694.0
160°	794.2
161°	896.9



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1003.6
163°	1105.9
164°	1215.5
165°	1314.4
166°	1411.6
167°	1501.0
168°	1582.7
169°	1661.0
170°	1734.5
171°	1801.6
172°	1862.6
173°	1916.4
174°	1958.5
175°	1990.8
176°	2014.4
177°	2025.6
178°	2031.2
179°	2037.2
180°	2042.4

(END OF REPORT)