

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: P221481

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221481  
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]-LED4080-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1766.6 lumens  
Efficiency: N/A  
Efficacy: 90.1 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

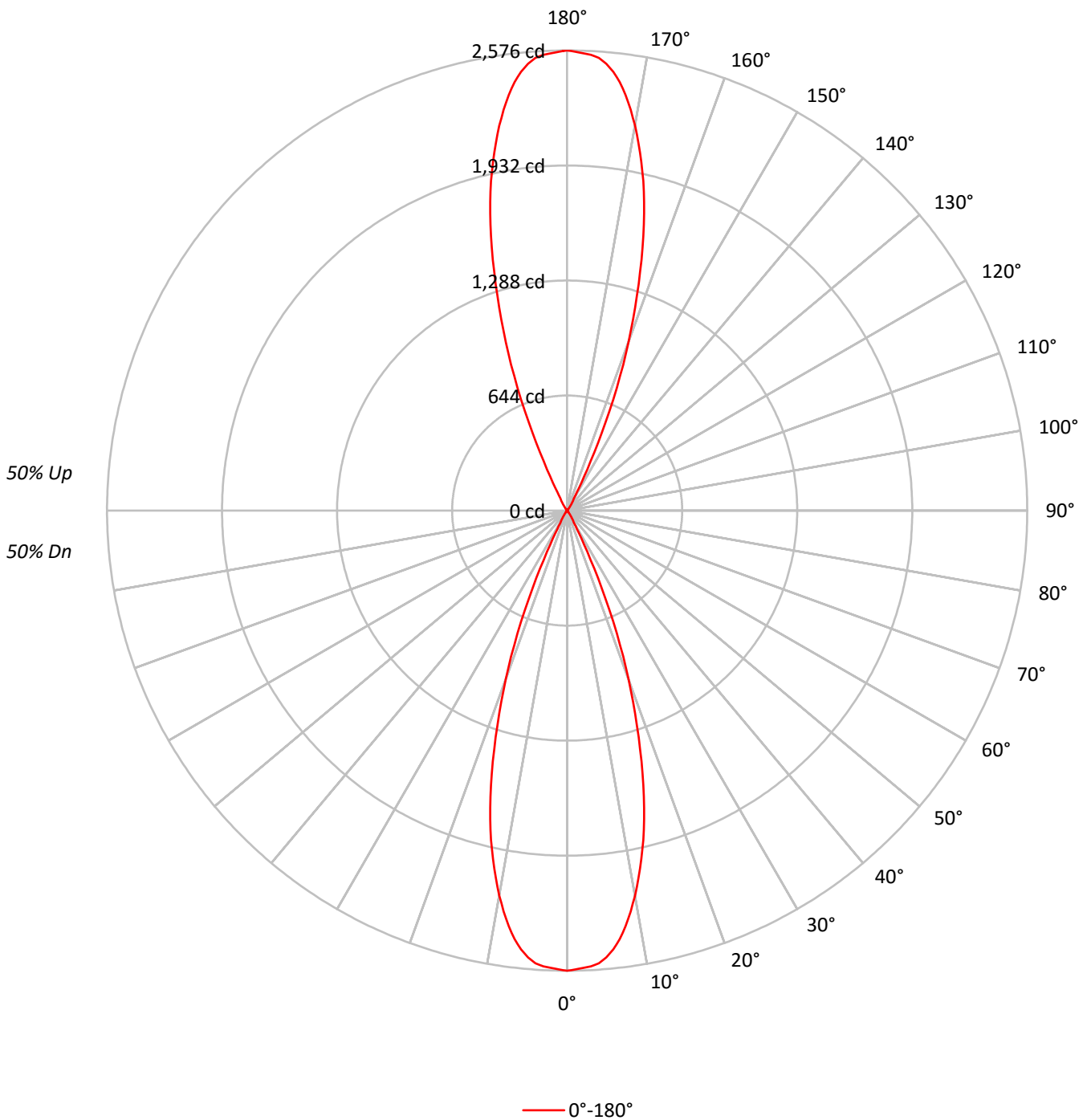
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	564823
5°	552651
10°	487076
15°	376325
20°	233727
25°	86594
30°	18129
35°	6826
40°	2490
45°	1675
50°	1467
55°	1262
60°	965
65°	571
70°	321
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.3	13.0
10°-20°	444.8	25.2
20°-30°	181.2	10.3
30°-40°	19.1	1.1
40°-50°	4.5	0.3
50°-60°	2.9	0.2
60°-70°	1.3	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°	1.3	0.1
120°-130°	2.9	0.2
130°-140°	4.5	0.3
140°-150°	19.1	1.1
150°-160°	181.2	10.3
160°-170°	444.8	25.2
170°-180°	229.3	13.0
0°-30°	855.3	48.4
0°-40°	874.5	49.5
0°-60°	881.8	49.9
0°-90°	883.3	50.0
90°-120°	1.6	0.1
90°-150°	28.1	1.6
90°-180°	883.0	50.0
0°-180°	1766.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2576	
5°	2511	229
15°	1658	445
25°	358	181
35°	26	19
45°	5	4
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°	5	4
145°	26	19
155°	358	181
165°	1658	445
175°	2511	229
180°	2576	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2575.8
1°	2569.3
2°	2561.7
3°	2554.7
4°	2540.6
5°	2510.7
6°	2470.1
7°	2416.9
8°	2349.1
9°	2272.1
10°	2187.5
11°	2094.8
12°	1996.1
13°	1893.1
14°	1780.3
15°	1657.7
16°	1533.0
17°	1394.7
18°	1265.7
19°	1131.2
20°	1001.6
21°	875.2
22°	741.3
23°	604.6
24°	475.0
25°	357.9
26°	256.5
27°	174.6
28°	115.5
29°	85.7
30°	71.6
32.5°	47.2
35°	25.5
37.5°	14.1
40°	8.7
42.5°	6.5
45°	5.4
47.5°	4.9
50°	4.3
52.5°	3.8
55°	3.3
57.5°	2.7
60°	2.2
62.5°	1.6
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
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°	0.5
110°	0.5
112.5°	1.1
115°	1.1
117.5°	1.6
120°	2.2
122.5°	2.7
125°	3.3
127.5°	3.8
130°	4.3
132.5°	4.9
135°	5.4
137.5°	6.5
140°	8.7
142.5°	14.1
145°	25.5
147.5°	47.2
150°	71.6
151°	85.7
152°	115.5
153°	174.6
154°	256.5
155°	357.9
156°	475.0
157°	604.6
158°	741.3
159°	875.2
160°	1001.6
161°	1131.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1265.7
163°	1394.7
164°	1533.0
165°	1657.7
166°	1780.3
167°	1893.1
168°	1996.1
169°	2094.8
170°	2187.5
171°	2272.1
172°	2349.1
173°	2416.9
174°	2470.1
175°	2510.7
176°	2540.6
177°	2554.7
178°	2561.7
179°	2569.3
180°	2575.8

(END OF REPORT)