

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: P221689

Luminaire Tested: **9003-W2-FL-LED5080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221689  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED5080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1915.2 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

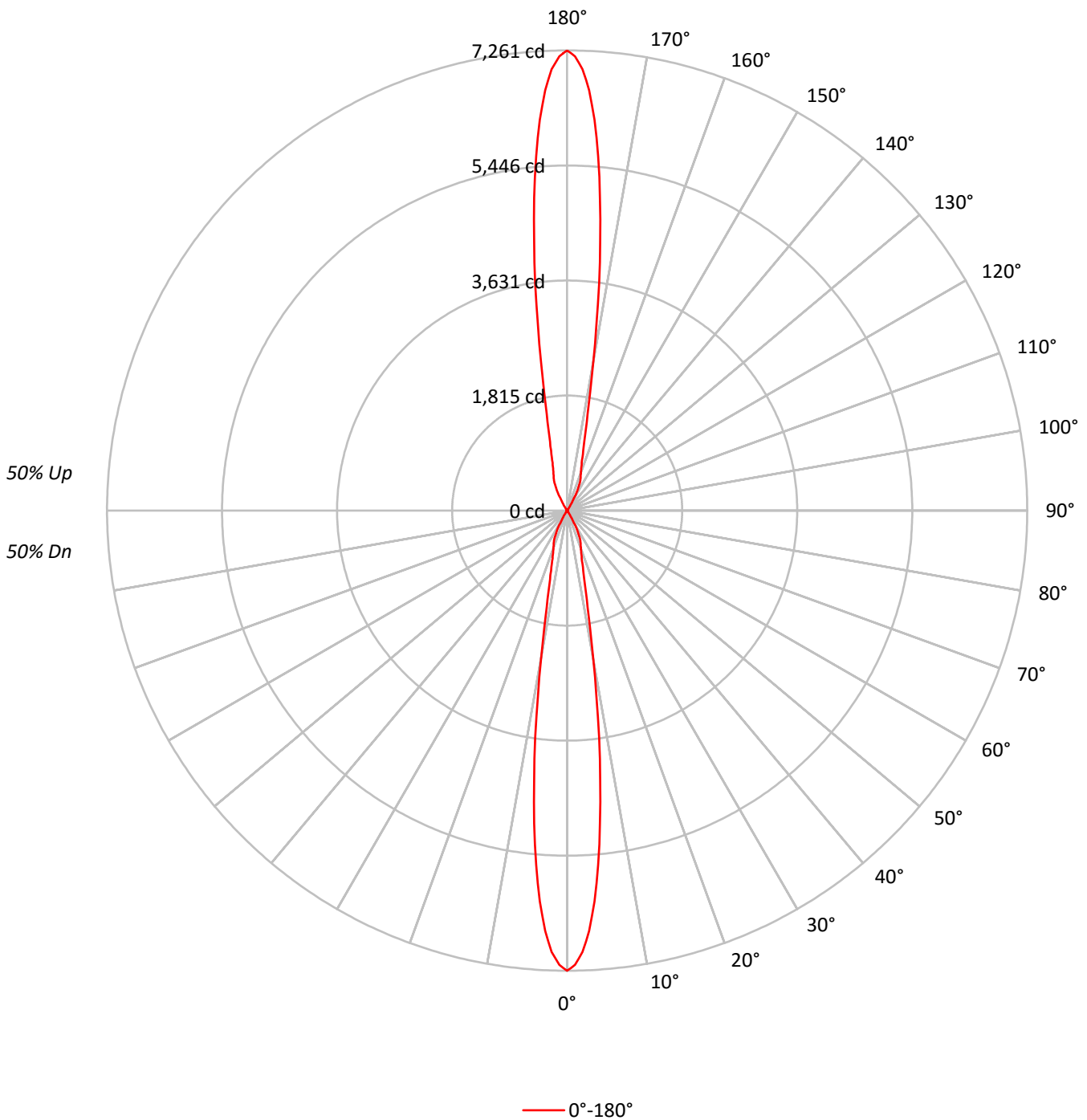
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	93	93	91	89	87	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	66	63	60	58	56	51	50	49	45				
4	85	78	72	68	80	73	69	65	65	61	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	55	52	50	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	52	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	53	56	52	50	51	48	46	46	44	43	41				
8	70	62	56	52	66	59	54	51	54	50	48	49	46	45	44	43	42	40				
9	68	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39				
10	65	56	51	48	62	54	49	46	50	46	44	46	43	42	42	41	39	38				

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

	0°
0°	1592153
5°	1236162
10°	528069
15°	223293
20°	148016
25°	110958
30°	42513
35°	6478
40°	3550
45°	1582
50°	1160
55°	1070
60°	1228
65°	1193
70°	1090
75°	932
80°	758
85°	1510



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.4	22.2
10°-20°	300.7	15.7
20°-30°	193.8	10.1
30°-40°	27.9	1.5
40°-50°	4.4	0.2
50°-60°	2.7	0.1
60°-70°	2.1	0.1
70°-80°	1.0	0.1
80°-90°	0.4	0.0
90°-100°	0.4	0.0
100°-110°	1.0	0.1
110°-120°	2.1	0.1
120°-130°	2.7	0.1
130°-140°	4.4	0.2
140°-150°	27.9	1.5
150°-160°	193.8	10.1
160°-170°	300.7	15.7
170°-180°	424.4	22.2
0°-30°	919.0	48.0
0°-40°	946.9	49.4
0°-60°	954.0	49.8
0°-90°	957.6	50.0
90°-120°	3.6	0.2
90°-150°	38.6	2.0
90°-180°	958.0	50.0
0°-180°	1915.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7261	
5°	5616	424
15°	984	301
25°	459	194
35°	24	28
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	2	2
125°	3	3
135°	5	4
145°	24	28
155°	459	194
165°	984	301
175°	5616	424
180°	7261	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7260.8
1°	7170.1
2°	6969.5
3°	6640.0
4°	6181.4
5°	5615.9
6°	4965.8
7°	4287.0
8°	3615.5
9°	2951.9
10°	2371.6
11°	1897.9
12°	1556.5
13°	1306.9
14°	1121.6
15°	983.6
16°	869.8
17°	787.0
18°	727.8
19°	676.0
20°	634.3
21°	598.3
22°	566.7
23°	537.4
24°	503.6
25°	458.6
26°	405.6
27°	348.7
28°	286.7
29°	225.3
30°	167.9
32.5°	55.8
35°	24.2
37.5°	17.5
40°	12.4
42.5°	6.2
45°	5.1
47.5°	3.9
50°	3.4
52.5°	3.4
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.3
65°	2.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.7
70°	1.7
72.5°	1.1
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.6
97.5°	0.6
100°	0.6
102.5°	0.6
105°	1.1
107.5°	1.1
110°	1.7
112.5°	1.7
115°	2.3
117.5°	2.3
120°	2.8
122.5°	2.8
125°	2.8
127.5°	3.4
130°	3.4
132.5°	3.9
135°	5.1
137.5°	6.2
140°	12.4
142.5°	17.5
145°	24.2
147.5°	55.8
150°	167.9
151°	225.3
152°	286.7
153°	348.7
154°	405.6
155°	458.6
156°	503.6
157°	537.4
158°	566.7
159°	598.3
160°	634.3
161°	676.0



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	727.8
163°	787.0
164°	869.8
165°	983.6
166°	1121.6
167°	1306.9
168°	1556.5
169°	1897.9
170°	2371.6
171°	2951.9
172°	3615.5
173°	4287.0
174°	4965.8
175°	5615.9
176°	6181.4
177°	6640.0
178°	6969.5
179°	7170.1
180°	7260.8

(END OF REPORT)