

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: P221553

Luminaire Tested: **9003-W2-FL-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED2790-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1462.1 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

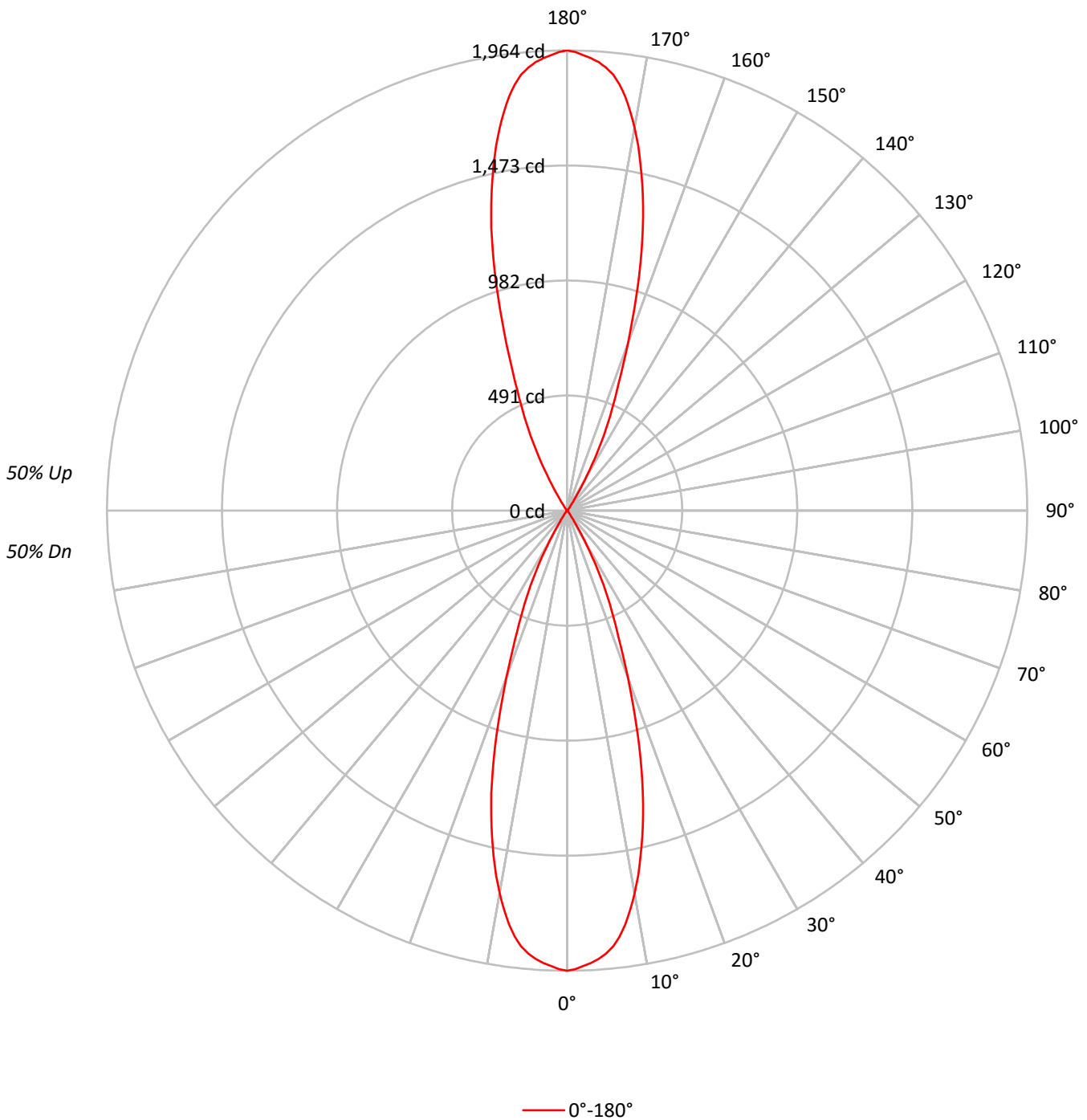
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	71	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	42	39				
7	72	62	56	52	67	59	54	50	54	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	42	46	43	40	42	40	38	39	37	35	34				

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

	0°
0°	430711
5°	417939
10°	369488
15°	283725
20°	176625
25°	99586
30°	37803
35°	8111
40°	3149
45°	1023
50°	853
55°	612
60°	526
65°	623
70°	513
75°	678
80°	505
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.8	11.9
10°-20°	335.4	22.9
20°-30°	187.0	12.8
30°-40°	28.3	1.9
40°-50°	3.2	0.2
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.0
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	0.7	0.0
110°-120°	1.0	0.1
120°-130°	1.6	0.1
130°-140°	3.2	0.2
140°-150°	28.3	1.9
150°-160°	187.0	12.8
160°-170°	335.4	22.9
170°-180°	173.8	11.9
0°-30°	696.2	47.6
0°-40°	724.4	49.5
0°-60°	729.2	49.9
0°-90°	731.1	50.0
90°-120°	2.0	0.1
90°-150°	35.0	2.4
90°-180°	731.0	50.0
0°-180°	1462.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1964	
5°	1899	174
15°	1250	335
25°	412	187
35°	30	28
45°	3	3
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	3	3
145°	30	28
155°	412	187
165°	1250	335
175°	1899	174
180°	1964	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1964.2
1°	1957.2
2°	1945.7
3°	1933.9
4°	1918.7
5°	1898.7
6°	1871.7
7°	1832.8
8°	1782.9
9°	1724.0
10°	1659.4
11°	1587.0
12°	1508.4
13°	1427.0
14°	1339.8
15°	1249.8
16°	1152.5
17°	1051.8
18°	949.6
19°	851.8
20°	756.9
21°	668.9
22°	591.2
23°	525.7
24°	468.8
25°	411.6
26°	355.5
27°	301.1
28°	248.3
29°	197.6
30°	149.3
32.5°	59.7
35°	30.3
37.5°	18.8
40°	11.0
42.5°	4.1
45°	3.3
47.5°	2.5
50°	2.5
52.5°	2.0
55°	1.6
57.5°	1.6
60°	1.2
62.5°	1.2
65°	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.8
107.5°	0.8
110°	0.8
112.5°	0.8
115°	1.2
117.5°	1.2
120°	1.2
122.5°	1.6
125°	1.6
127.5°	2.0
130°	2.5
132.5°	2.5
135°	3.3
137.5°	4.1
140°	11.0
142.5°	18.8
145°	30.3
147.5°	59.7
150°	149.3
151°	197.6
152°	248.3
153°	301.1
154°	355.5
155°	411.6
156°	468.8
157°	525.7
158°	591.2
159°	668.9
160°	756.9
161°	851.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	949.6
163°	1051.8
164°	1152.5
165°	1249.8
166°	1339.8
167°	1427.0
168°	1508.4
169°	1587.0
170°	1659.4
171°	1724.0
172°	1782.9
173°	1832.8
174°	1871.7
175°	1898.7
176°	1918.7
177°	1933.9
178°	1945.7
179°	1957.2
180°	1964.2

(END OF REPORT)