

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: P221565

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1333.3 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

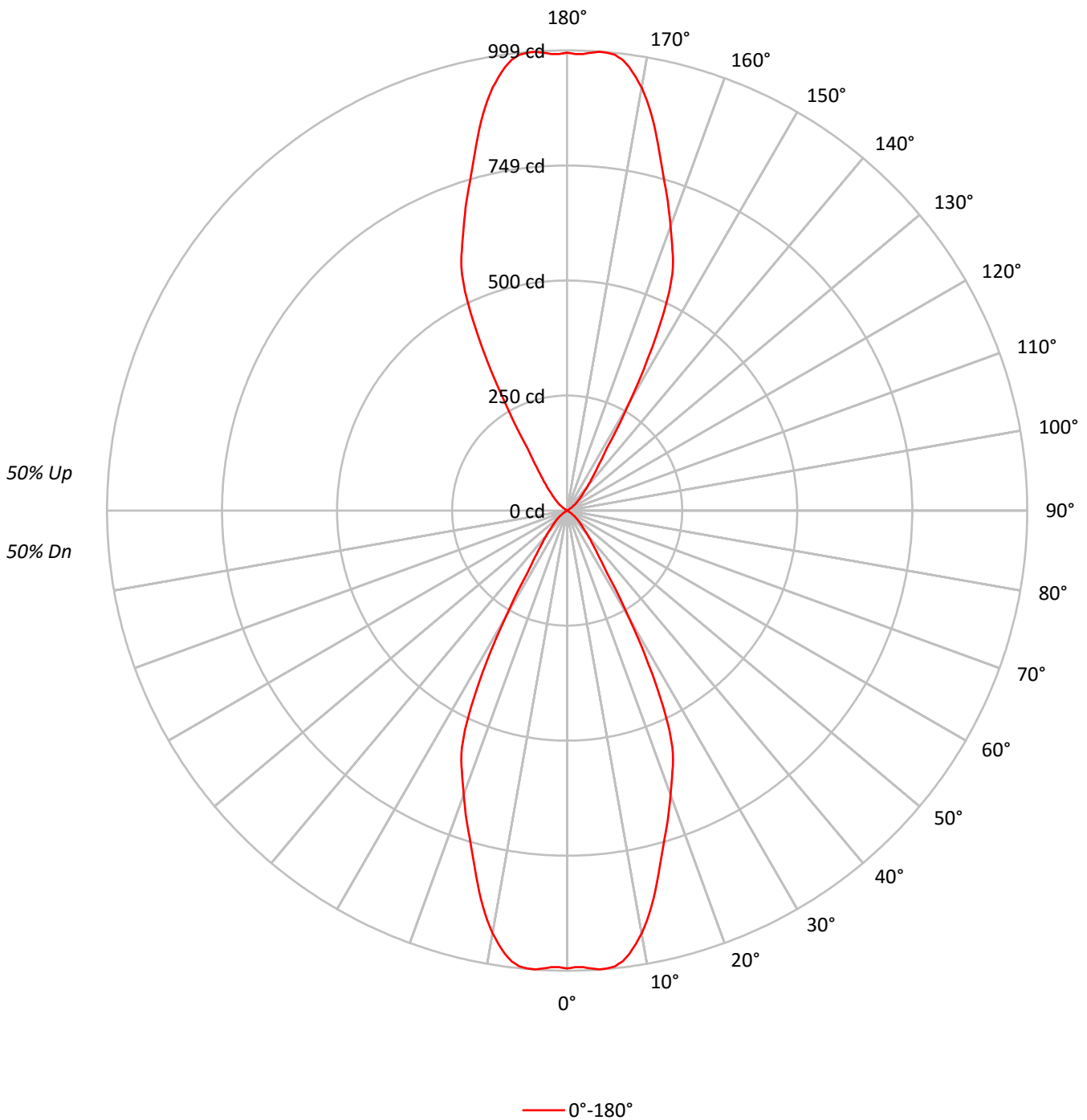
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	50	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

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

	0°
0°	217987
5°	219634
10°	207522
15°	178503
20°	153220
25°	126806
30°	67656
35°	30785
40°	19665
45°	12932
50°	9074
55°	4549
60°	1096
65°	1038
70°	1026
75°	678
80°	505
85°	1006



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.2	7.0
10°-20°	219.9	16.5
20°-30°	224.7	16.9
30°-40°	81.4	6.1
40°-50°	33.5	2.5
50°-60°	10.8	0.8
60°-70°	1.9	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.9	0.1
120°-130°	10.8	0.8
130°-140°	33.5	2.5
140°-150°	81.4	6.1
150°-160°	224.7	16.9
160°-170°	219.9	16.5
170°-180°	93.2	7.0
0°-30°	537.9	40.3
0°-40°	619.3	46.4
0°-60°	663.6	49.8
0°-90°	666.7	50.0
90°-120°	3.1	0.2
90°-150°	128.8	9.7
90°-180°	667.0	50.0
0°-180°	1333.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	994	
5°	998	93
15°	786	220
25°	524	225
35°	115	81
45°	42	34
55°	12	11
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	12	11
135°	42	34
145°	115	81
155°	524	225
165°	786	220
175°	998	93
180°	994	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	994.1
1°	991.3
2°	991.7
3°	995.4
4°	998.6
5°	997.8
6°	995.0
7°	986.0
8°	971.6
9°	952.8
10°	932.0
11°	907.0
12°	879.6
13°	848.9
14°	817.0
15°	786.3
16°	756.9
17°	731.1
18°	707.4
19°	681.2
20°	656.6
21°	633.3
22°	610.4
23°	588.3
24°	562.1
25°	524.1
26°	477.4
27°	426.7
28°	373.1
29°	319.1
30°	267.2
32.5°	160.4
35°	115.0
37.5°	88.8
40°	68.7
42.5°	52.4
45°	41.7
47.5°	33.5
50°	26.6
52.5°	19.6
55°	11.9
57.5°	3.3
60°	2.5
62.5°	2.0
65°	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
70°	1.6
72.5°	1.2
75°	0.8
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.4
105°	0.8
107.5°	1.2
110°	1.6
112.5°	1.6
115°	2.0
117.5°	2.0
120°	2.5
122.5°	3.3
125°	11.9
127.5°	19.6
130°	26.6
132.5°	33.5
135°	41.7
137.5°	52.4
140°	68.7
142.5°	88.8
145°	115.0
147.5°	160.4
150°	267.2
151°	319.1
152°	373.1
153°	426.7
154°	477.4
155°	524.1
156°	562.1
157°	588.3
158°	610.4
159°	633.3
160°	656.6
161°	681.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	707.4
163°	731.1
164°	756.9
165°	786.3
166°	817.0
167°	848.9
168°	879.6
169°	907.0
170°	932.0
171°	952.8
172°	971.6
173°	986.0
174°	995.0
175°	997.8
176°	998.6
177°	995.4
178°	991.7
179°	991.3
180°	994.1

(END OF REPORT)