

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: P221515

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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]-LED5080-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2115.2 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

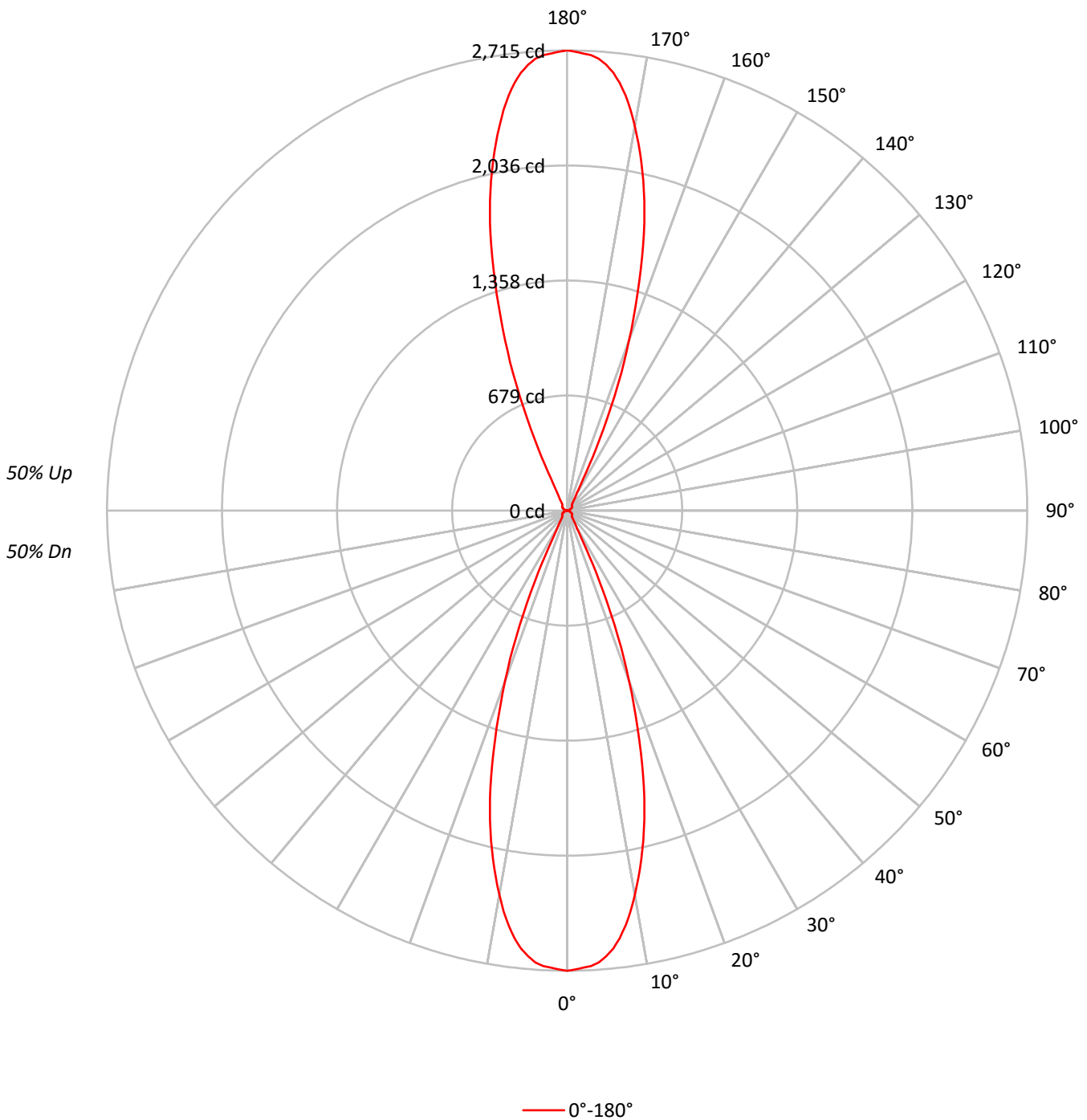
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66		60	59	57		51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47		48	45	43		43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40		42	39	37		38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38		41	38	36		37	35	33	32

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

	0°
0°	595413
5°	581310
10°	512772
15°	399003
20°	249245
25°	97312
30°	26536
35°	15526
40°	12423
45°	12590
50°	13270
55°	13572
60°	13332
65°	12297
70°	10450
75°	9574
80°	10607
85°	9812



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.4	11.4
10°-20°	471.1	22.3
20°-30°	202.1	9.6
30°-40°	39.9	1.9
40°-50°	31.6	1.5
50°-60°	31.5	1.5
60°-70°	23.3	1.1
70°-80°	12.5	0.6
80°-90°	4.4	0.2
90°-100°	4.4	0.2
100°-110°	12.5	0.6
110°-120°	23.3	1.1
120°-130°	31.5	1.5
130°-140°	31.6	1.5
140°-150°	39.9	1.9
150°-160°	202.1	9.6
160°-170°	471.1	22.3
170°-180°	241.4	11.4
0°-30°	914.5	43.2
0°-40°	954.4	45.1
0°-60°	1017.4	48.1
0°-90°	1057.6	50.0
90°-120°	40.1	1.9
90°-150°	143.1	6.8
90°-180°	1058.0	50.0
0°-180°	2115.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2715	
5°	2641	241
15°	1758	471
25°	402	202
35°	58	40
45°	41	32
55°	36	31
65°	24	23
75°	11	12
85°	4	4
90°	0	0
95°	4	4
105°	11	12
115°	24	23
125°	36	31
135°	41	32
145°	58	40
155°	402	202
165°	1758	471
175°	2641	241
180°	2715	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2715.3
1°	2707.4
2°	2698.9
3°	2691.0
4°	2672.4
5°	2640.9
6°	2598.7
7°	2543.4
8°	2473.0
9°	2393.6
10°	2302.9
11°	2206.0
12°	2105.2
13°	1995.9
14°	1881.0
15°	1757.6
16°	1625.8
17°	1487.2
18°	1344.1
19°	1203.8
20°	1068.1
21°	939.1
22°	800.5
23°	658.5
24°	523.3
25°	402.2
26°	296.9
27°	210.1
28°	149.8
29°	118.9
30°	104.8
32.5°	79.4
35°	58.0
37.5°	47.3
40°	43.4
42.5°	41.7
45°	40.6
47.5°	40.0
50°	38.9
52.5°	37.2
55°	35.5
57.5°	33.2
60°	30.4
62.5°	27.6
65°	23.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	19.7
70°	16.3
72.5°	13.5
75°	11.3
77.5°	10.1
80°	8.4
82.5°	6.2
85°	3.9
87.5°	1.7
90°	0.0
92.5°	1.7
95°	3.9
97.5°	6.2
100°	8.4
102.5°	10.1
105°	11.3
107.5°	13.5
110°	16.3
112.5°	19.7
115°	23.7
117.5°	27.6
120°	30.4
122.5°	33.2
125°	35.5
127.5°	37.2
130°	38.9
132.5°	40.0
135°	40.6
137.5°	41.7
140°	43.4
142.5°	47.3
145°	58.0
147.5°	79.4
150°	104.8
151°	118.9
152°	149.8
153°	210.1
154°	296.9
155°	402.2
156°	523.3
157°	658.5
158°	800.5
159°	939.1
160°	1068.1
161°	1203.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1344.1
163°	1487.2
164°	1625.8
165°	1757.6
166°	1881.0
167°	1995.9
168°	2105.2
169°	2206.0
170°	2302.9
171°	2393.6
172°	2473.0
173°	2543.4
174°	2598.7
175°	2640.9
176°	2672.4
177°	2691.0
178°	2698.9
179°	2707.4
180°	2715.3

(END OF REPORT)