

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: P221322

Luminaire Tested: **9002-W2-FL-LED3090-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED3090-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 763.1 lumens  
Efficiency: N/A  
Efficacy: 38.2 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

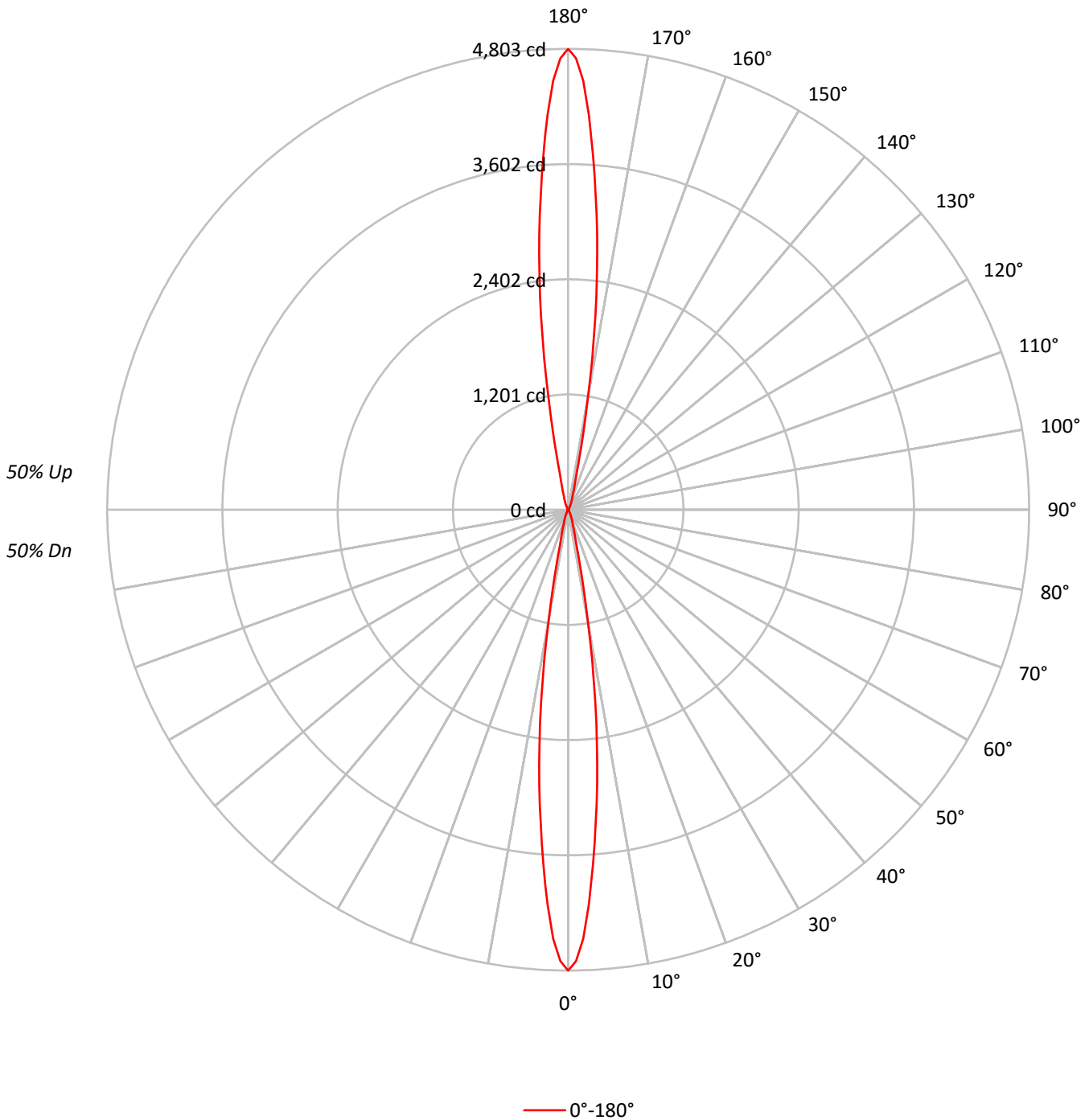
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	98	95	93	94	91	89	87	78	77	75		66	65	64		55	54	54	49
2	96	91	87	83	89	85	81	78	73	71	69		63	62	60		53	53	52	48
3	91	84	79	76	84	79	75	72	70	67	64		61	59	57		52	51	50	47
4	86	79	74	70	81	75	70	67	66	63	61		58	56	55		51	50	49	46
5	82	75	69	65	77	71	66	63	63	60	58		57	54	53		50	49	48	45
6	79	71	65	61	74	67	63	59	61	58	55		55	53	51		49	48	47	45
7	76	67	62	58	71	64	60	57	59	55	53		53	51	49		48	47	46	44
8	73	65	59	56	69	62	57	54	57	54	51		52	50	48		48	46	45	43
9	70	62	57	54	67	60	55	52	55	52	50		51	49	47		47	45	44	43
10	68	60	55	52	65	58	54	51	54	51	48		50	48	46		46	45	44	42

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

	0°
0°	2369702
5°	1628478
10°	593724
15°	122128
20°	58962
25°	29288
30°	10995
35°	5782
40°	4637
45°	3349
50°	3070
55°	2753
60°	3158
65°	3736
70°	3462
75°	3050
80°	2273
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.8	32.3
10°-20°	90.4	11.9
20°-30°	25.8	3.4
30°-40°	6.7	0.9
40°-50°	4.0	0.5
50°-60°	3.1	0.4
60°-70°	2.9	0.4
70°-80°	1.7	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.7	0.2
110°-120°	2.9	0.4
120°-130°	3.1	0.4
130°-140°	4.0	0.5
140°-150°	6.7	0.9
150°-160°	25.8	3.4
160°-170°	90.4	11.9
170°-180°	246.8	32.3
0°-30°	363.0	47.6
0°-40°	369.7	48.5
0°-60°	376.9	49.4
0°-90°	381.5	50.0
90°-120°	4.7	0.6
90°-150°	18.5	2.4
90°-180°	382.0	50.1
0°-180°	763.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4803	
5°	3288	247
15°	239	90
25°	54	26
35°	10	7
45°	5	4
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	3	3
125°	3	3
135°	5	4
145°	10	7
155°	54	26
165°	239	90
175°	3288	247
180°	4803	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4803.0
1°	4705.2
2°	4472.5
3°	4115.4
4°	3702.2
5°	3288.1
6°	2878.9
7°	2463.3
8°	2030.0
9°	1595.9
10°	1185.1
11°	831.3
12°	572.1
13°	402.8
14°	300.9
15°	239.1
17.5°	155.7
20°	112.3
22.5°	82.6
25°	53.8
27.5°	32.1
30°	19.3
32.5°	12.8
35°	9.6
37.5°	8.0
40°	7.2
42.5°	5.6
45°	4.8
47.5°	4.8
50°	4.0
52.5°	4.0
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	2.4
70°	2.4
72.5°	2.4
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.8
102.5°	0.8
105°	1.6
107.5°	2.4
110°	2.4
112.5°	2.4
115°	3.2
117.5°	3.2
120°	3.2
122.5°	3.2
125°	3.2
127.5°	4.0
130°	4.0
132.5°	4.8
135°	4.8
137.5°	5.6
140°	7.2
142.5°	8.0
145°	9.6
147.5°	12.8
150°	19.3
152.5°	32.1
155°	53.8
157.5°	82.6
160°	112.3
162.5°	155.7
165°	239.1
166°	300.9
167°	402.8
168°	572.1
169°	831.3
170°	1185.1
171°	1595.9
172°	2030.0
173°	2463.3
174°	2878.9
175°	3288.1
176°	3702.2
177°	4115.4
178°	4472.5
179°	4705.2



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**CANDELA DISTRIBUTION (continued):**

180° |  $\frac{0^\circ}{4803.0}$

(END OF REPORT)