

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: P221328

Luminaire Tested: **9002-W2-FL-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED3097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1568.5 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

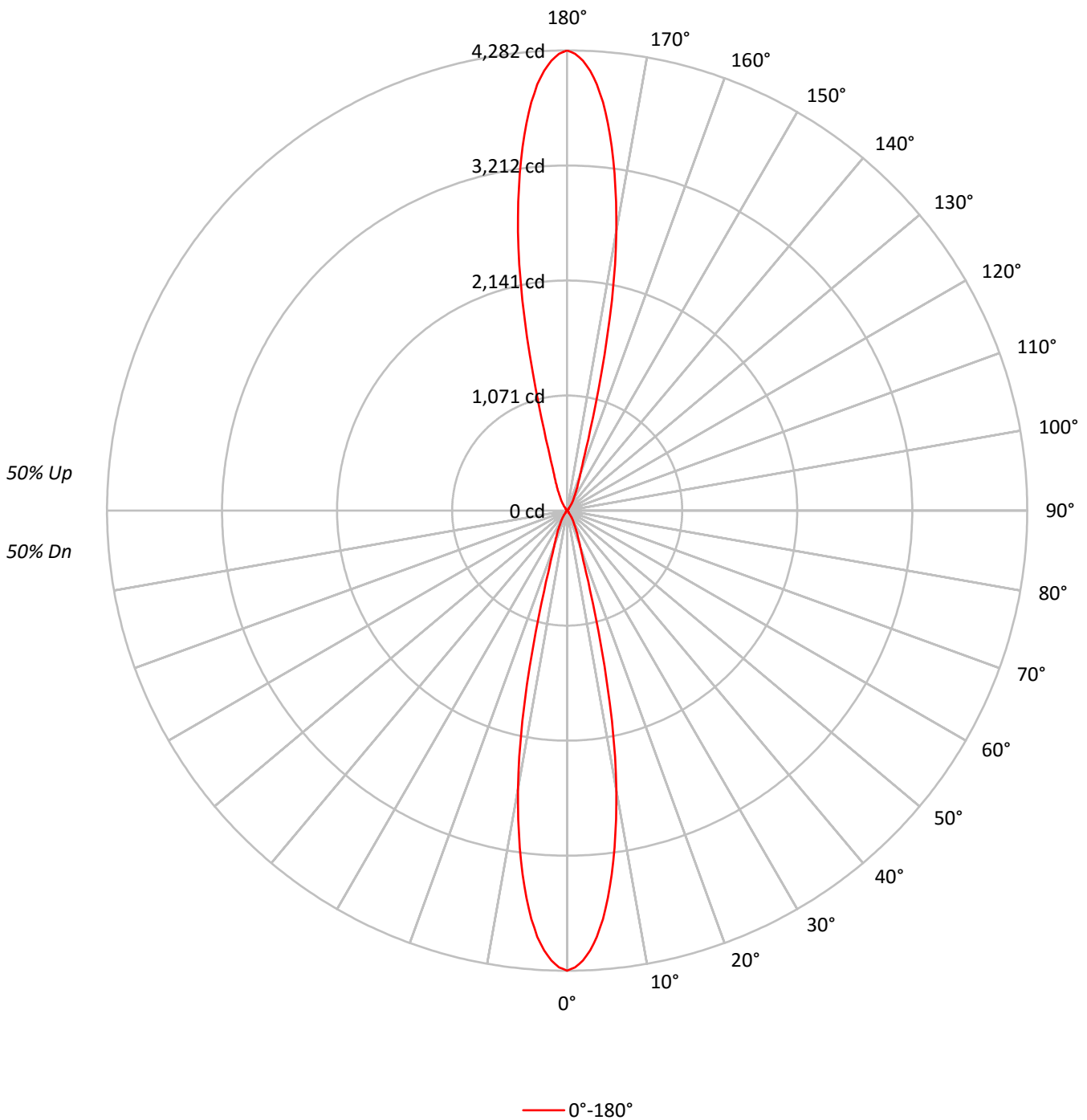
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47				
3	90	83	78	74	83	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	77	72	67	79	73	68	64	64	61	58	57	54	53	49	48	47	44				
5	81	72	67	62	75	68	64	60	61	58	55	54	52	50	48	46	45	42				
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	46	45	44	41				
7	73	64	59	55	69	61	56	53	56	52	49	50	48	46	45	44	42	40				
8	70	61	56	52	66	58	54	50	53	50	47	49	46	44	44	42	41	39				
9	67	58	53	49	64	56	51	48	51	48	45	47	44	43	43	41	40	38				
10	65	56	51	47	61	54	49	46	49	46	44	46	43	41	42	40	39	37				

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

	0°
0°	2112454
5°	1889433
10°	1319109
15°	520489
20°	187021
25°	105556
30°	60275
35°	32585
40°	12946
45°	8652
50°	5910
55°	5333
60°	5328
65°	6304
70°	6636
75°	7434
80°	4262
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.8	20.8
10°-20°	306.1	19.5
20°-30°	92.4	5.9
30°-40°	34.2	2.2
40°-50°	9.9	0.6
50°-60°	5.8	0.4
60°-70°	5.3	0.3
70°-80°	3.7	0.2
80°-90°	1.0	0.1
90°-100°	1.0	0.1
100°-110°	3.7	0.2
110°-120°	5.3	0.3
120°-130°	5.8	0.4
130°-140°	9.9	0.6
140°-150°	34.2	2.2
150°-160°	92.4	5.9
160°-170°	306.1	19.5
170°-180°	325.8	20.8
0°-30°	724.4	46.2
0°-40°	758.6	48.4
0°-60°	774.3	49.4
0°-90°	784.2	50.0
90°-120°	10.0	0.6
90°-150°	59.8	3.8
90°-180°	784.0	50.0
0°-180°	1568.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4282	
5°	3815	326
15°	1019	306
25°	194	92
35°	54	34
45°	12	10
55°	6	6
65°	5	5
75°	4	4
85°	1	1
90°	0	0
95°	1	1
105°	4	4
115°	5	5
125°	6	6
135°	12	10
145°	54	34
155°	194	92
165°	1019	306
175°	3815	326
180°	4282	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4281.6
1°	4251.5
2°	4188.9
3°	4098.5
4°	3975.7
5°	3815.0
6°	3623.4
7°	3410.2
8°	3168.4
9°	2909.5
10°	2633.0
11°	2331.6
12°	2002.5
13°	1658.0
14°	1319.6
15°	1019.0
16°	778.8
17°	603.4
18°	487.5
19°	410.2
20°	356.2
22.5°	261.9
25°	193.9
26°	171.5
27°	152.2
28°	135.2
29°	119.7
30°	105.8
32.5°	77.3
35°	54.1
37.5°	30.1
40°	20.1
42.5°	15.5
45°	12.4
47.5°	10.0
50°	7.7
52.5°	7.0
55°	6.2
57.5°	6.2
60°	5.4
62.5°	5.4
65°	5.4
67.5°	5.4
70°	4.6
72.5°	3.9



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	3.9
77.5°	3.1
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0
92.5°	0.8
95°	0.8
97.5°	1.5
100°	1.5
102.5°	3.1
105°	3.9
107.5°	3.9
110°	4.6
112.5°	5.4
115°	5.4
117.5°	5.4
120°	5.4
122.5°	6.2
125°	6.2
127.5°	7.0
130°	7.7
132.5°	10.0
135°	12.4
137.5°	15.5
140°	20.1
142.5°	30.1
145°	54.1
147.5°	77.3
150°	105.8
151°	119.7
152°	135.2
153°	152.2
154°	171.5
155°	193.9
157.5°	261.9
160°	356.2
161°	410.2
162°	487.5
163°	603.4
164°	778.8
165°	1019.0
166°	1319.6
167°	1658.0



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	2002.5
169°	2331.6
170°	2633.0
171°	2909.5
172°	3168.4
173°	3410.2
174°	3623.4
175°	3815.0
176°	3975.7
177°	4098.5
178°	4188.9
179°	4251.5
180°	4281.6

(END OF REPORT)