

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: P221439

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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]-LED3097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 1323.9 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

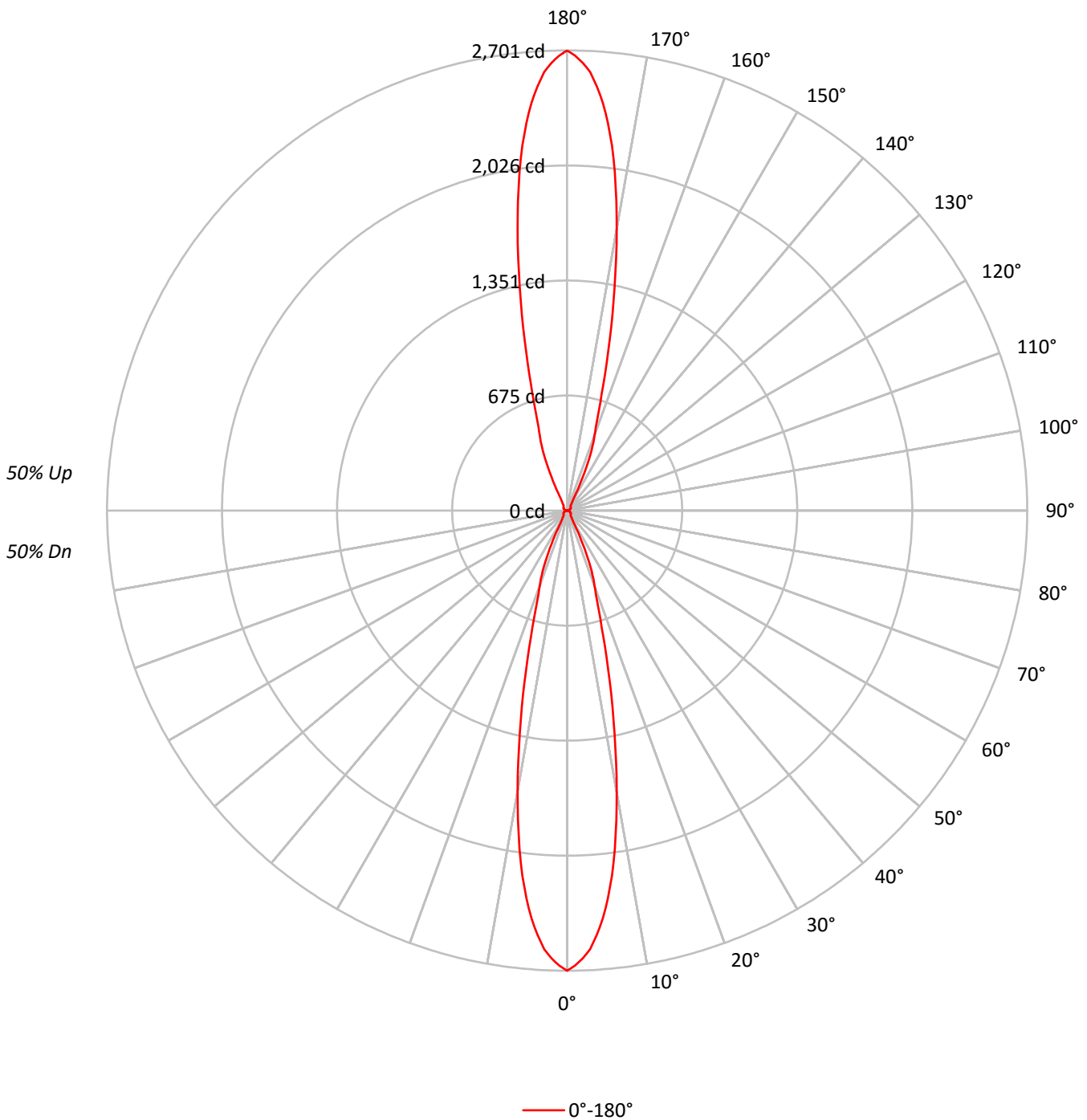
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	61	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	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	46	45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

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

	0°
0°	592233
5°	529098
10°	373028
15°	202725
20°	109676
25°	52334
30°	15116
35°	9824
40°	8988
45°	9272
50°	9791
55°	10399
60°	10218
65°	9755
70°	8078
75°	7117
80°	8208
85°	7799



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.8	15.5
10°-20°	252.0	19.0
20°-30°	100.8	7.6
30°-40°	25.2	1.9
40°-50°	23.2	1.8
50°-60°	23.9	1.8
60°-70°	18.2	1.4
70°-80°	9.4	0.7
80°-90°	3.4	0.3
90°-100°	3.4	0.3
100°-110°	9.4	0.7
110°-120°	18.2	1.4
120°-130°	23.9	1.8
130°-140°	23.2	1.8
140°-150°	25.2	1.9
150°-160°	100.8	7.6
160°-170°	252.0	19.0
170°-180°	205.8	15.5
0°-30°	558.6	42.2
0°-40°	583.9	44.1
0°-60°	631.0	47.7
0°-90°	661.9	50.0
90°-120°	31.0	2.3
90°-150°	103.3	7.8
90°-180°	662.0	50.0
0°-180°	1323.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2701	
5°	2404	206
15°	893	252
25°	216	101
35°	37	25
45°	30	23
55°	27	24
65°	19	18
75°	8	9
85°	3	3
90°	0	0
95°	3	3
105°	8	9
115°	19	18
125°	27	24
135°	30	23
145°	37	25
155°	216	101
165°	893	252
175°	2404	206
180°	2701	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2700.8
1°	2670.9
2°	2630.7
3°	2578.3
4°	2496.4
5°	2403.7
6°	2287.8
7°	2159.1
8°	2007.6
9°	1842.2
10°	1675.3
11°	1505.4
12°	1338.1
13°	1182.0
14°	1031.2
15°	893.0
16°	767.8
17°	666.0
18°	582.9
19°	518.3
20°	470.0
21°	429.5
22°	383.1
23°	329.9
24°	272.5
25°	216.3
26°	161.9
27°	115.6
28°	81.5
29°	65.8
30°	59.7
32.5°	47.8
35°	36.7
37.5°	32.9
40°	31.4
42.5°	30.6
45°	29.9
47.5°	29.5
50°	28.7
52.5°	28.3
55°	27.2
57.5°	25.3
60°	23.3
62.5°	21.4
65°	18.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	15.3
70°	12.6
72.5°	10.0
75°	8.4
77.5°	7.7
80°	6.5
82.5°	4.6
85°	3.1
87.5°	1.5
90°	0.0
92.5°	1.5
95°	3.1
97.5°	4.6
100°	6.5
102.5°	7.7
105°	8.4
107.5°	10.0
110°	12.6
112.5°	15.3
115°	18.8
117.5°	21.4
120°	23.3
122.5°	25.3
125°	27.2
127.5°	28.3
130°	28.7
132.5°	29.5
135°	29.9
137.5°	30.6
140°	31.4
142.5°	32.9
145°	36.7
147.5°	47.8
150°	59.7
151°	65.8
152°	81.5
153°	115.6
154°	161.9
155°	216.3
156°	272.5
157°	329.9
158°	383.1
159°	429.5
160°	470.0
161°	518.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	582.9
163°	666.0
164°	767.8
165°	893.0
166°	1031.2
167°	1182.0
168°	1338.1
169°	1505.4
170°	1675.3
171°	1842.2
172°	2007.6
173°	2159.1
174°	2287.8
175°	2403.7
176°	2496.4
177°	2578.3
178°	2630.7
179°	2670.9
180°	2700.8

(END OF REPORT)