

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: P221503

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221503  
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]-LED4097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1487.2 lumens  
Efficiency: N/A  
Efficacy: 75.9 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

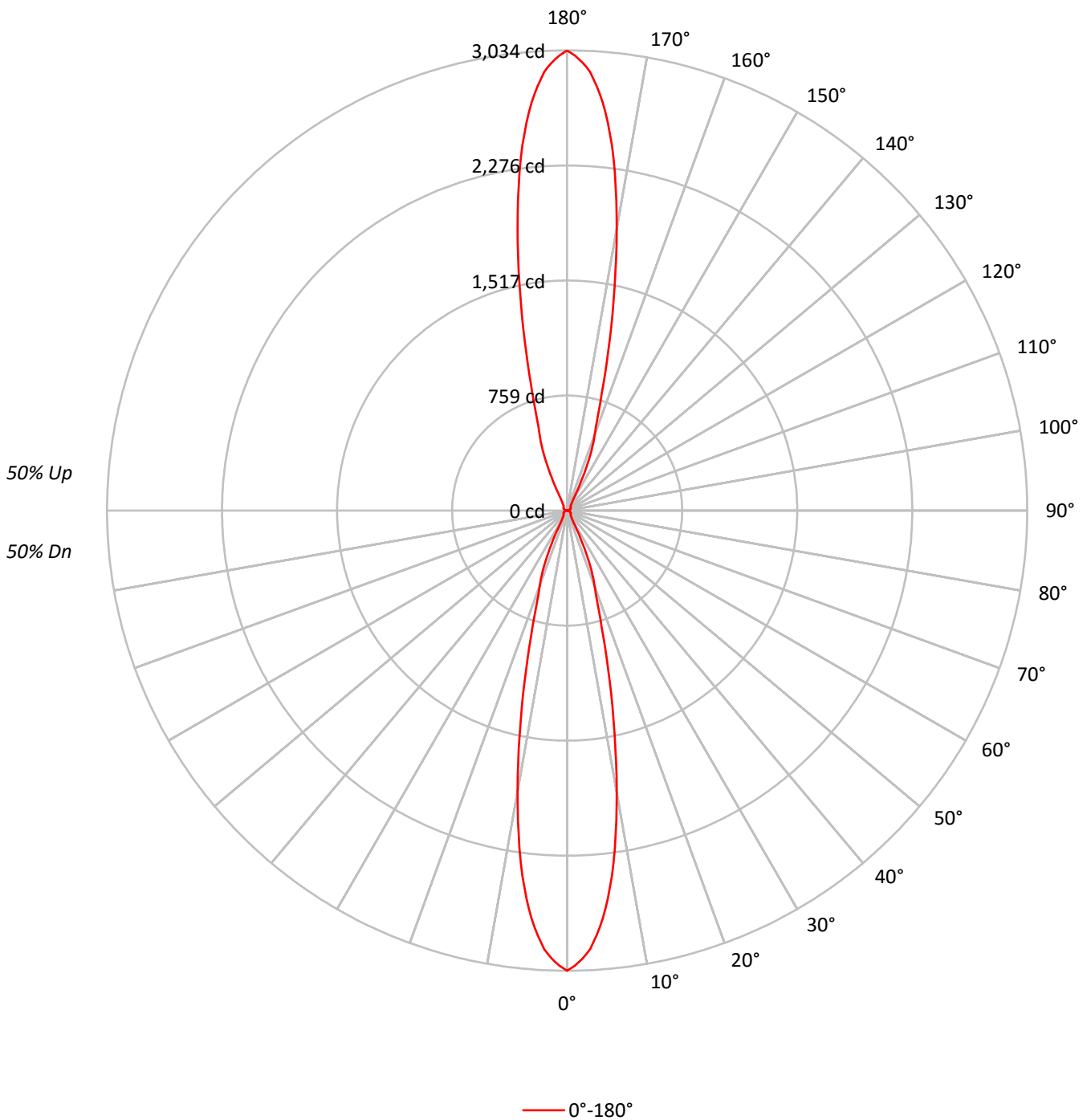
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	665276
5°	594363
10°	419053
15°	227720
20°	123211
25°	58770
30°	16990
35°	11056
40°	10105
45°	10389
50°	10985
55°	11660
60°	11490
65°	10948
70°	9104
75°	8049
80°	9218
85°	8554



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	15.5
10°-20°	283.1	19.0
20°-30°	113.2	7.6
30°-40°	28.4	1.9
40°-50°	26.1	1.8
50°-60°	26.8	1.8
60°-70°	20.4	1.4
70°-80°	10.6	0.7
80°-90°	3.8	0.3
90°-100°	3.8	0.3
100°-110°	10.6	0.7
110°-120°	20.4	1.4
120°-130°	26.8	1.8
130°-140°	26.1	1.8
140°-150°	28.4	1.9
150°-160°	113.2	7.6
160°-170°	283.1	19.0
170°-180°	231.2	15.5
0°-30°	627.5	42.2
0°-40°	655.9	44.1
0°-60°	708.8	47.7
0°-90°	743.6	50.0
90°-120°	34.8	2.3
90°-150°	116.1	7.8
90°-180°	744.0	50.0
0°-180°	1487.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3034	
5°	2700	231
15°	1003	283
25°	243	113
35°	41	28
45°	34	26
55°	30	27
65°	21	20
75°	10	11
85°	3	4
90°	0	0
95°	3	4
105°	10	11
115°	21	20
125°	30	27
135°	34	26
145°	41	28
155°	243	113
165°	1003	283
175°	2700	231
180°	3034	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3033.9
1°	3000.3
2°	2955.2
3°	2896.3
4°	2804.3
5°	2700.2
6°	2569.9
7°	2425.5
8°	2255.2
9°	2069.5
10°	1882.0
11°	1691.1
12°	1503.2
13°	1327.8
14°	1158.3
15°	1003.1
16°	862.5
17°	748.2
18°	654.8
19°	582.2
20°	528.0
21°	482.4
22°	430.4
23°	370.6
24°	306.1
25°	242.9
26°	181.9
27°	129.9
28°	91.6
29°	74.0
30°	67.1
32.5°	53.7
35°	41.3
37.5°	37.0
40°	35.3
42.5°	34.4
45°	33.5
47.5°	33.1
50°	32.2
52.5°	31.8
55°	30.5
57.5°	28.4
60°	26.2
62.5°	24.1
65°	21.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	17.2
70°	14.2
72.5°	11.2
75°	9.5
77.5°	8.6
80°	7.3
82.5°	5.2
85°	3.4
87.5°	1.7
90°	0.0
92.5°	1.7
95°	3.4
97.5°	5.2
100°	7.3
102.5°	8.6
105°	9.5
107.5°	11.2
110°	14.2
112.5°	17.2
115°	21.1
117.5°	24.1
120°	26.2
122.5°	28.4
125°	30.5
127.5°	31.8
130°	32.2
132.5°	33.1
135°	33.5
137.5°	34.4
140°	35.3
142.5°	37.0
145°	41.3
147.5°	53.7
150°	67.1
151°	74.0
152°	91.6
153°	129.9
154°	181.9
155°	242.9
156°	306.1
157°	370.6
158°	430.4
159°	482.4
160°	528.0
161°	582.2



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	654.8
163°	748.2
164°	862.5
165°	1003.1
166°	1158.3
167°	1327.8
168°	1503.2
169°	1691.1
170°	1882.0
171°	2069.5
172°	2255.2
173°	2425.5
174°	2569.9
175°	2700.2
176°	2804.3
177°	2896.3
178°	2955.2
179°	3000.3
180°	3033.9

(END OF REPORT)