

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: P221504

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221504  
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-L2-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: 2742.5 lumens  
Efficiency: N/A  
Efficacy: 68.2 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

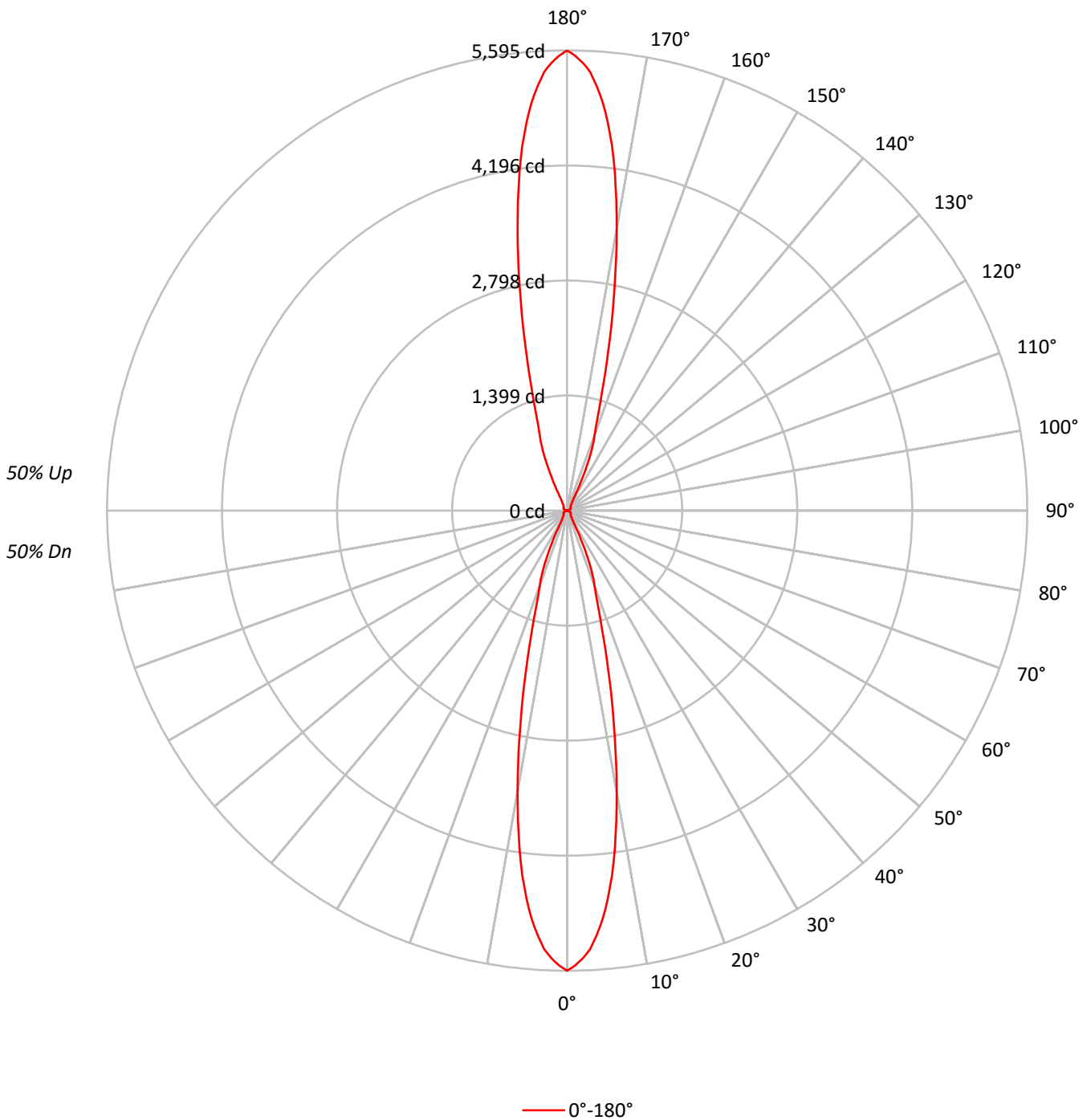
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1226810
5°	1096057
10°	772753
15°	419934
20°	227216
25°	108393
30°	31321
35°	20371
40°	18606
45°	19165
50°	20298
55°	21524
60°	21226
65°	20184
70°	16798
75°	14742
80°	17048
85°	15851



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.4	15.5
10°-20°	522.1	19.0
20°-30°	208.8	7.6
30°-40°	52.3	1.9
40°-50°	48.1	1.8
50°-60°	49.5	1.8
60°-70°	37.6	1.4
70°-80°	19.5	0.7
80°-90°	7.0	0.3
90°-100°	7.0	0.3
100°-110°	19.5	0.7
110°-120°	37.6	1.4
120°-130°	49.5	1.8
130°-140°	48.1	1.8
140°-150°	52.3	1.9
150°-160°	208.8	7.6
160°-170°	522.1	19.0
170°-180°	426.4	15.5
0°-30°	1157.2	42.2
0°-40°	1209.5	44.1
0°-60°	1307.1	47.7
0°-90°	1371.3	50.0
90°-120°	64.1	2.3
90°-150°	214.0	7.8
90°-180°	1371.0	50.0
0°-180°	2742.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5595	
5°	4979	426
15°	1850	522
25°	448	209
35°	76	52
45°	62	48
55°	56	50
65°	39	38
75°	17	19
85°	6	7
90°	0	1
95°	6	7
105°	17	19
115°	39	38
125°	56	50
135°	62	48
145°	76	52
155°	448	209
165°	1850	522
175°	4979	426
180°	5595	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5594.7
1°	5532.9
2°	5449.6
3°	5341.0
4°	5171.3
5°	4979.4
6°	4739.2
7°	4472.8
8°	4158.8
9°	3816.3
10°	3470.5
11°	3118.5
12°	2772.0
13°	2448.5
14°	2136.1
15°	1849.8
16°	1590.6
17°	1379.7
18°	1207.6
19°	1073.6
20°	973.7
21°	889.6
22°	793.7
23°	683.5
24°	564.5
25°	448.0
26°	335.4
27°	239.5
28°	168.9
29°	136.4
30°	123.7
32.5°	99.1
35°	76.1
37.5°	68.2
40°	65.0
42.5°	63.4
45°	61.8
47.5°	61.1
50°	59.5
52.5°	58.7
55°	56.3
57.5°	52.3
60°	48.4
62.5°	44.4
65°	38.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	31.7
70°	26.2
72.5°	20.6
75°	17.4
77.5°	15.9
80°	13.5
82.5°	9.5
85°	6.3
87.5°	3.2
90°	0.0
92.5°	3.2
95°	6.3
97.5°	9.5
100°	13.5
102.5°	15.9
105°	17.4
107.5°	20.6
110°	26.2
112.5°	31.7
115°	38.9
117.5°	44.4
120°	48.4
122.5°	52.3
125°	56.3
127.5°	58.7
130°	59.5
132.5°	61.1
135°	61.8
137.5°	63.4
140°	65.0
142.5°	68.2
145°	76.1
147.5°	99.1
150°	123.7
151°	136.4
152°	168.9
153°	239.5
154°	335.4
155°	448.0
156°	564.5
157°	683.5
158°	793.7
159°	889.6
160°	973.7
161°	1073.6



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1207.6
163°	1379.7
164°	1590.6
165°	1849.8
166°	2136.1
167°	2448.5
168°	2772.0
169°	3118.5
170°	3470.5
171°	3816.3
172°	4158.8
173°	4472.8
174°	4739.2
175°	4979.4
176°	5171.3
177°	5341.0
178°	5449.6
179°	5532.9
180°	5594.7

(END OF REPORT)