

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: P221436

Luminaire Tested: **9003-W2-[RW, RI]-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221436  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2650.2 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

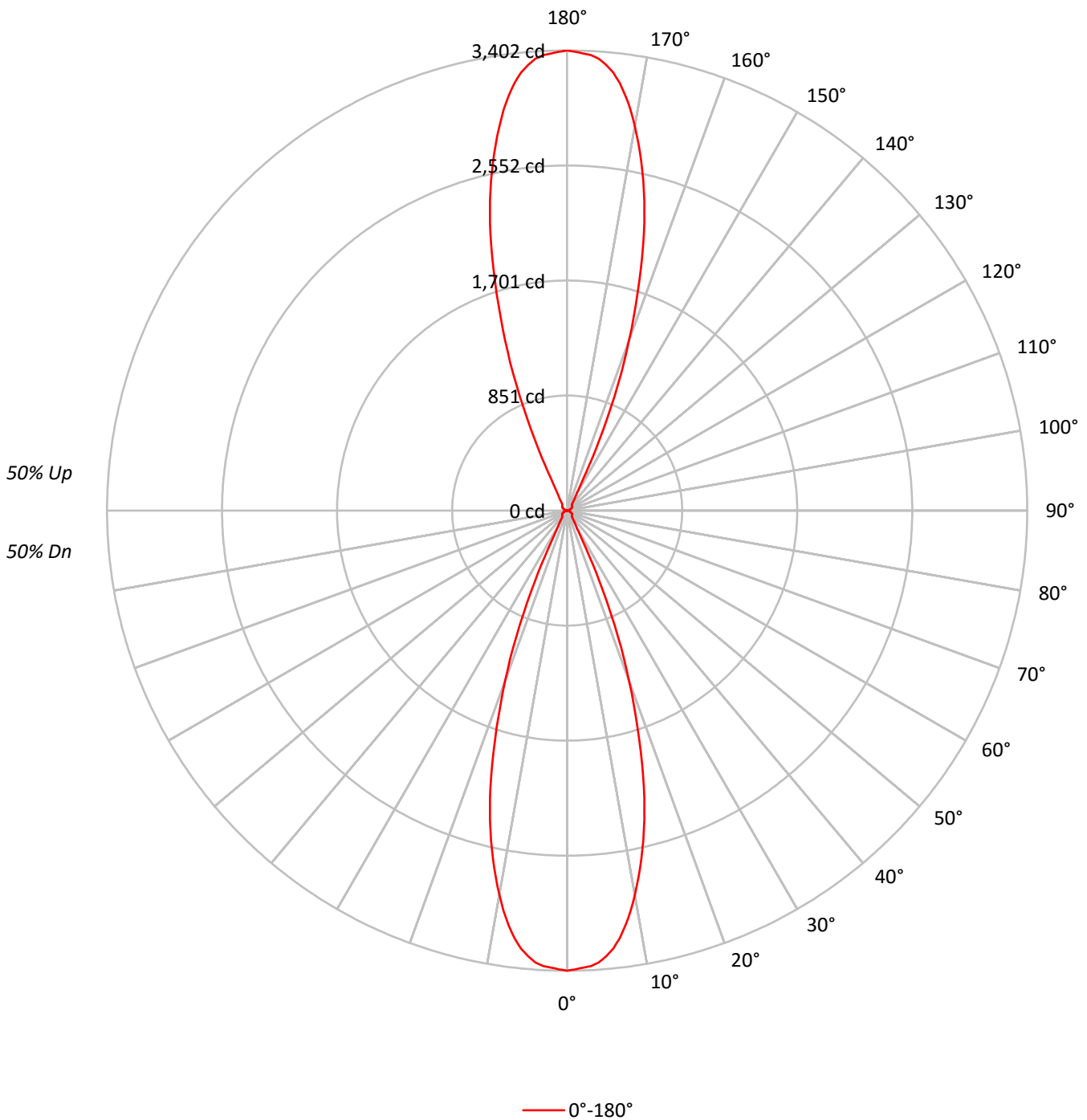
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

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

	0°
0°	746015
5°	728371
10°	642495
15°	499935
20°	312297
25°	121943
30°	33246
35°	19461
40°	15543
45°	15754
50°	16614
55°	17013
60°	16709
65°	15358
70°	13143
75°	11946
80°	13386
85°	12328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.4	11.4
10°-20°	590.2	22.3
20°-30°	253.2	9.6
30°-40°	50.0	1.9
40°-50°	39.6	1.5
50°-60°	39.4	1.5
60°-70°	29.2	1.1
70°-80°	15.6	0.6
80°-90°	5.5	0.2
90°-100°	5.5	0.2
100°-110°	15.6	0.6
110°-120°	29.2	1.1
120°-130°	39.4	1.5
130°-140°	39.6	1.5
140°-150°	50.0	1.9
150°-160°	253.2	9.6
160°-170°	590.2	22.3
170°-180°	302.4	11.4
0°-30°	1145.9	43.2
0°-40°	1195.8	45.1
0°-60°	1274.8	48.1
0°-90°	1325.1	50.0
90°-120°	50.3	1.9
90°-150°	179.3	6.8
90°-180°	1325.0	50.0
0°-180°	2650.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3402	
5°	3309	302
15°	2202	590
25°	504	253
35°	73	50
45°	51	40
55°	44	39
65°	30	29
75°	14	16
85°	5	5
90°	0	1
95°	5	5
105°	14	16
115°	30	29
125°	44	39
135°	51	40
145°	73	50
155°	504	253
165°	2202	590
175°	3309	302
180°	3402	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3402.1
1°	3392.3
2°	3381.7
3°	3371.8
4°	3348.5
5°	3309.0
6°	3256.0
7°	3186.9
8°	3098.6
9°	2999.1
10°	2885.5
11°	2764.1
12°	2637.7
13°	2500.8
14°	2356.8
15°	2202.2
16°	2037.0
17°	1863.4
18°	1684.1
19°	1508.4
20°	1338.3
21°	1176.6
22°	1003.0
23°	825.1
24°	655.7
25°	504.0
26°	372.0
27°	263.3
28°	187.8
29°	148.9
30°	131.3
32.5°	99.5
35°	72.7
37.5°	59.3
40°	54.3
42.5°	52.2
45°	50.8
47.5°	50.1
50°	48.7
52.5°	46.6
55°	44.5
57.5°	41.6
60°	38.1
62.5°	34.6
65°	29.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	24.7
70°	20.5
72.5°	16.9
75°	14.1
77.5°	12.7
80°	10.6
82.5°	7.8
85°	4.9
87.5°	2.1
90°	0.0
92.5°	2.1
95°	4.9
97.5°	7.8
100°	10.6
102.5°	12.7
105°	14.1
107.5°	16.9
110°	20.5
112.5°	24.7
115°	29.6
117.5°	34.6
120°	38.1
122.5°	41.6
125°	44.5
127.5°	46.6
130°	48.7
132.5°	50.1
135°	50.8
137.5°	52.2
140°	54.3
142.5°	59.3
145°	72.7
147.5°	99.5
150°	131.3
151°	148.9
152°	187.8
153°	263.3
154°	372.0
155°	504.0
156°	655.7
157°	825.1
158°	1003.0
159°	1176.6
160°	1338.3
161°	1508.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1684.1
163°	1863.4
164°	2037.0
165°	2202.2
166°	2356.8
167°	2500.8
168°	2637.7
169°	2764.1
170°	2885.5
171°	2999.1
172°	3098.6
173°	3186.9
174°	3256.0
175°	3309.0
176°	3348.5
177°	3371.8
178°	3381.7
179°	3392.3
180°	3402.1

(END OF REPORT)