

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: P221435

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221435  
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-L1-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: 1437.3 lumens  
Efficiency: N/A  
Efficacy: 73.3 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

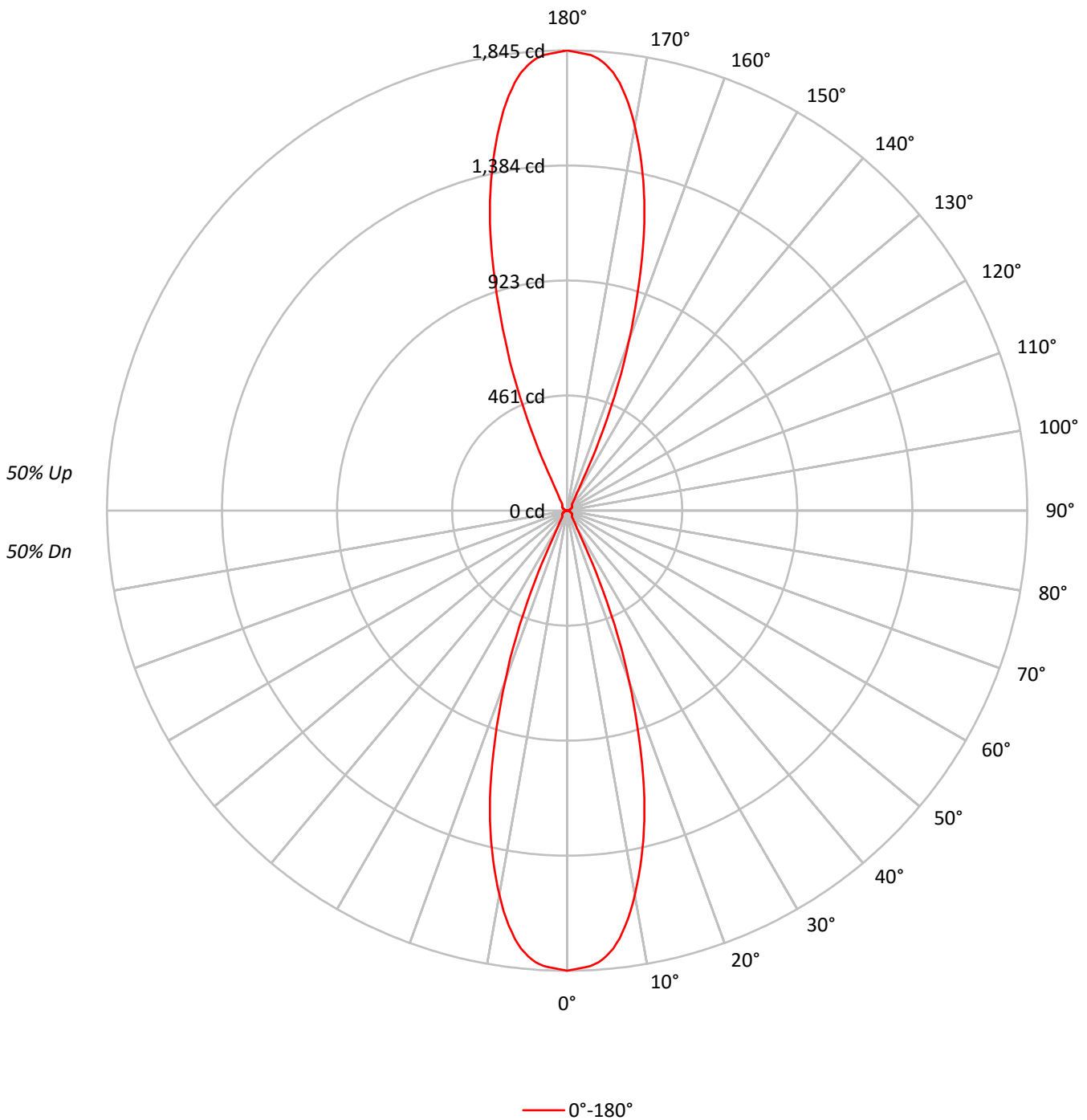
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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		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	54	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	37	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°	404551
5°	394980
10°	348401
15°	271103
20°	169345
25°	66125
30°	18028
35°	10547
40°	8444
45°	8559
50°	9006
55°	9214
60°	9078
65°	8354
70°	7117
75°	6524
80°	7198
85°	6793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.0	11.4
10°-20°	320.1	22.3
20°-30°	137.3	9.6
30°-40°	27.1	1.9
40°-50°	21.5	1.5
50°-60°	21.4	1.5
60°-70°	15.9	1.1
70°-80°	8.5	0.6
80°-90°	3.0	0.2
90°-100°	3.0	0.2
100°-110°	8.5	0.6
110°-120°	15.9	1.1
120°-130°	21.4	1.5
130°-140°	21.5	1.5
140°-150°	27.1	1.9
150°-160°	137.3	9.6
160°-170°	320.1	22.3
170°-180°	164.0	11.4
0°-30°	621.4	43.2
0°-40°	648.5	45.1
0°-60°	691.3	48.1
0°-90°	718.7	50.0
90°-120°	27.3	1.9
90°-150°	97.3	6.8
90°-180°	719.0	50.0
0°-180°	1437.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1845	
5°	1794	164
15°	1194	320
25°	273	137
35°	39	27
45°	28	21
55°	24	21
65°	16	16
75°	8	8
85°	3	3
90°	0	0
95°	3	3
105°	8	8
115°	16	16
125°	24	21
135°	28	21
145°	39	27
155°	273	137
165°	1194	320
175°	1794	164
180°	1845	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1844.9
1°	1839.5
2°	1833.8
3°	1828.4
4°	1815.8
5°	1794.4
6°	1765.7
7°	1728.2
8°	1680.3
9°	1626.3
10°	1564.7
11°	1498.9
12°	1430.4
13°	1356.1
14°	1278.0
15°	1194.2
16°	1104.6
17°	1010.5
18°	913.3
19°	818.0
20°	725.7
21°	638.1
22°	543.9
23°	447.4
24°	355.6
25°	273.3
26°	201.7
27°	142.8
28°	101.8
29°	80.8
30°	71.2
32.5°	54.0
35°	39.4
37.5°	32.2
40°	29.5
42.5°	28.3
45°	27.6
47.5°	27.2
50°	26.4
52.5°	25.3
55°	24.1
57.5°	22.6
60°	20.7
62.5°	18.8
65°	16.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.4
70°	11.1
72.5°	9.2
75°	7.7
77.5°	6.9
80°	5.7
82.5°	4.2
85°	2.7
87.5°	1.1
90°	0.0
92.5°	1.1
95°	2.7
97.5°	4.2
100°	5.7
102.5°	6.9
105°	7.7
107.5°	9.2
110°	11.1
112.5°	13.4
115°	16.1
117.5°	18.8
120°	20.7
122.5°	22.6
125°	24.1
127.5°	25.3
130°	26.4
132.5°	27.2
135°	27.6
137.5°	28.3
140°	29.5
142.5°	32.2
145°	39.4
147.5°	54.0
150°	71.2
151°	80.8
152°	101.8
153°	142.8
154°	201.7
155°	273.3
156°	355.6
157°	447.4
158°	543.9
159°	638.1
160°	725.7
161°	818.0



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	913.3
163°	1010.5
164°	1104.6
165°	1194.2
166°	1278.0
167°	1356.1
168°	1430.4
169°	1498.9
170°	1564.7
171°	1626.3
172°	1680.3
173°	1728.2
174°	1765.7
175°	1794.4
176°	1815.8
177°	1828.4
178°	1833.8
179°	1839.5
180°	1844.9

(END OF REPORT)