

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: P221639

Luminaire Tested: **9003-W2-FL-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED3597-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1409.4 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

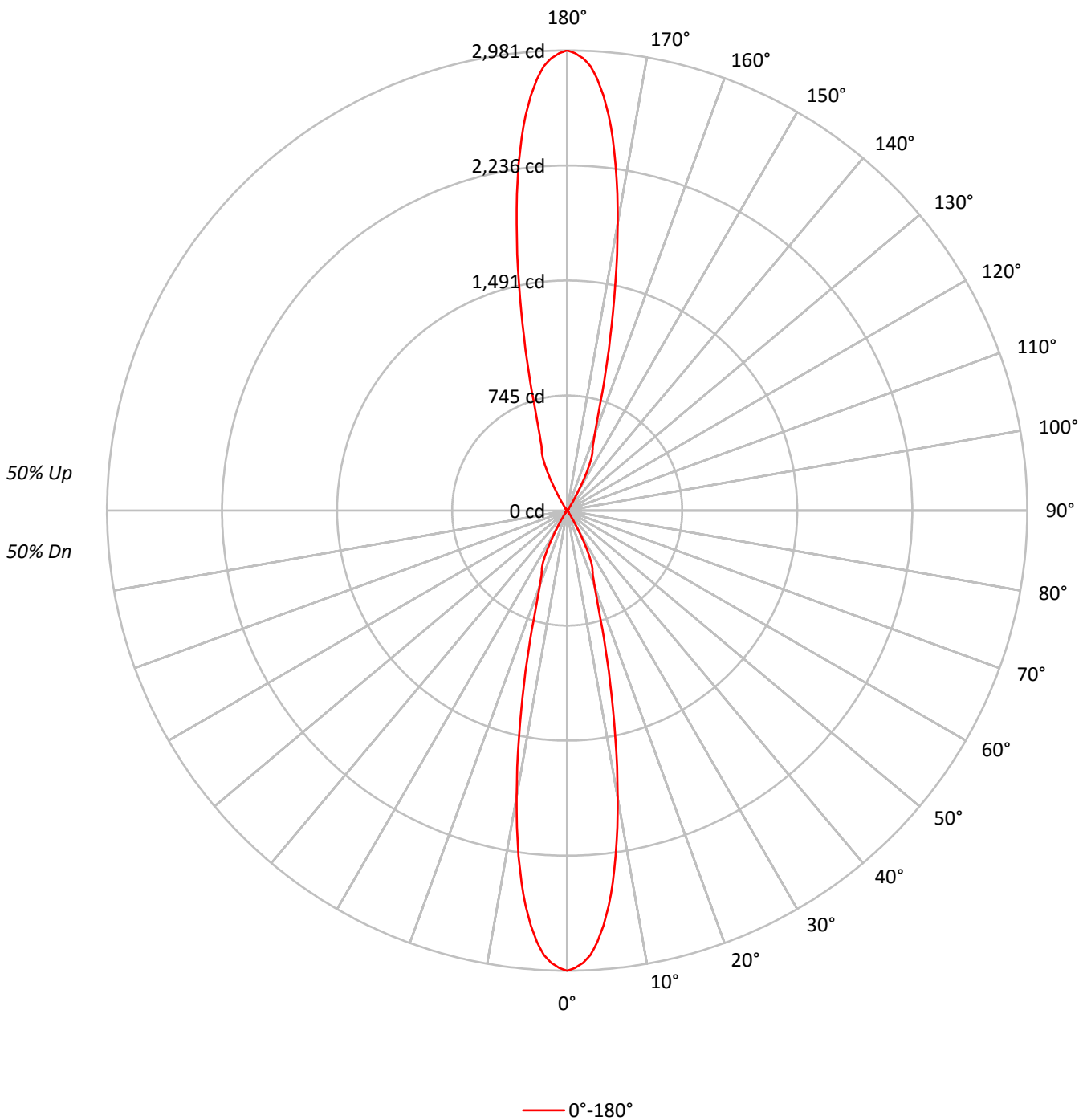
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

**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	101	98	95	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	78	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	85	77	71	67	79	72	68	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	62	75	68	63	59	60	57	54		54	51	49		47	46	44	42
6	76	67	61	57	71	64	59	55	57	54	51		51	49	47		46	44	43	40
7	72	63	58	54	68	60	55	52	55	51	48		49	47	45		44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46		47	45	43		43	41	40	38
9	66	57	51	48	62	55	50	46	50	46	44		46	43	41		41	40	38	37
10	63	54	49	45	60	52	47	44	48	44	42		44	41	39		40	38	37	36

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

	0°
0°	653741
5°	594033
10°	419832
15°	226880
20°	120667
25°	88771
30°	35828
35°	6853
40°	3607
45°	1613
50°	1330
55°	1147
60°	965
65°	882
70°	833
75°	763
80°	505
85°	1006



TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	16.4
10°-20°	282.1	20.0
20°-30°	155.3	11.0
30°-40°	25.7	1.8
40°-50°	4.7	0.3
50°-60°	2.7	0.2
60°-70°	1.7	0.1
70°-80°	0.9	0.1
80°-90°	0.3	0.0
90°-100°	0.3	0.0
100°-110°	0.9	0.1
110°-120°	1.7	0.1
120°-130°	2.7	0.2
130°-140°	4.7	0.3
140°-150°	25.7	1.8
150°-160°	155.3	11.0
160°-170°	282.1	20.0
170°-180°	231.2	16.4
0°-30°	668.6	47.4
0°-40°	694.3	49.3
0°-60°	701.8	49.8
0°-90°	704.7	50.0
90°-120°	2.9	0.2
90°-150°	36.1	2.6
90°-180°	705.0	50.0
0°-180°	1409.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2981	
5°	2699	231
15°	999	282
25°	367	155
35°	26	26
45°	5	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	5	5
145°	26	26
155°	367	155
165°	999	282
175°	2699	231
180°	2981	



TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2981.3
1°	2963.1
2°	2932.3
3°	2883.6
4°	2801.2
5°	2698.7
6°	2575.0
7°	2427.8
8°	2260.2
9°	2076.6
10°	1885.5
11°	1692.8
12°	1503.5
13°	1322.4
14°	1155.3
15°	999.4
16°	864.8
17°	743.7
18°	649.1
19°	573.5
20°	517.1
21°	474.1
22°	442.8
23°	420.7
24°	398.6
25°	366.9
26°	327.4
27°	283.1
28°	234.9
29°	187.6
30°	141.5
32.5°	51.2
35°	25.6
37.5°	18.2
40°	12.6
42.5°	6.5
45°	5.2
47.5°	4.8
50°	3.9
52.5°	3.5
55°	3.0
57.5°	2.6
60°	2.2
62.5°	2.2
65°	1.7



TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.4
97.5°	0.4
100°	0.4
102.5°	0.9
105°	0.9
107.5°	0.9
110°	1.3
112.5°	1.3
115°	1.7
117.5°	2.2
120°	2.2
122.5°	2.6
125°	3.0
127.5°	3.5
130°	3.9
132.5°	4.8
135°	5.2
137.5°	6.5
140°	12.6
142.5°	18.2
145°	25.6
147.5°	51.2
150°	141.5
151°	187.6
152°	234.9
153°	283.1
154°	327.4
155°	366.9
156°	398.6
157°	420.7
158°	442.8
159°	474.1
160°	517.1
161°	573.5



TEST NUMBER: P221639

CATALOG NUMBER: 9003-W2-FL-LED3597-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	649.1
163°	743.7
164°	864.8
165°	999.4
166°	1155.3
167°	1322.4
168°	1503.5
169°	1692.8
170°	1885.5
171°	2076.6
172°	2260.2
173°	2427.8
174°	2575.0
175°	2698.7
176°	2801.2
177°	2883.6
178°	2932.3
179°	2963.1
180°	2981.3

(END OF REPORT)