

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: P221614

Luminaire Tested: **9003-W2-FL-LED3097-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED3097-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2300.4 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

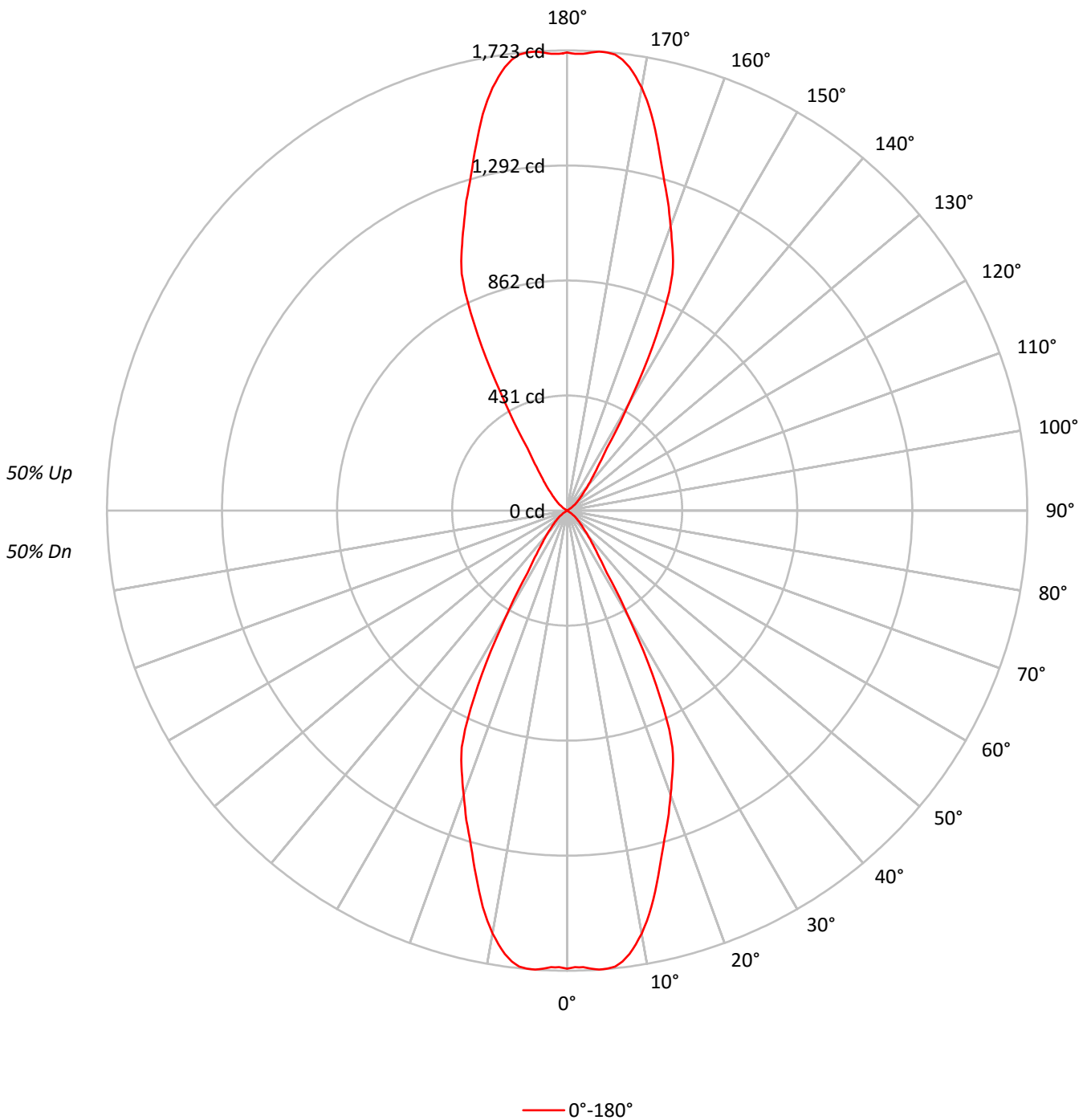
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-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	100	97	94	91	93	90	87	85	77	75	73		65	63	62		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

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

	0°
0°	376110
5°	378934
10°	358021
15°	307970
20°	264366
25°	218771
30°	116702
35°	53083
40°	33949
45°	22328
50°	15658
55°	7837
60°	1842
65°	1816
70°	1795
75°	1186
80°	884
85°	1761



TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	7.0
10°-20°	379.4	16.5
20°-30°	387.7	16.9
30°-40°	140.4	6.1
40°-50°	57.8	2.5
50°-60°	18.7	0.8
60°-70°	3.3	0.1
70°-80°	1.6	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.6	0.1
110°-120°	3.3	0.1
120°-130°	18.7	0.8
130°-140°	57.8	2.5
140°-150°	140.4	6.1
150°-160°	387.7	16.9
160°-170°	379.4	16.5
170°-180°	160.9	7.0
0°-30°	928.0	40.3
0°-40°	1068.4	46.4
0°-60°	1144.9	49.8
0°-90°	1150.2	50.0
90°-120°	5.3	0.2
90°-150°	222.2	9.7
90°-180°	1150.0	50.0
0°-180°	2300.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1715	
5°	1722	161
15°	1357	379
25°	904	388
35°	198	140
45°	72	58
55°	20	19
65°	4	3
75°	1	2
85°	1	0
90°	0	0
95°	1	0
105°	1	2
115°	4	3
125°	20	19
135°	72	58
145°	198	140
155°	904	388
165°	1357	379
175°	1722	161
180°	1715	



TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1715.2
1°	1710.2
2°	1711.0
3°	1717.3
4°	1722.9
5°	1721.5
6°	1716.6
7°	1701.1
8°	1676.4
9°	1643.9
10°	1607.9
11°	1564.8
12°	1517.6
13°	1464.6
14°	1409.6
15°	1356.6
16°	1305.8
17°	1261.3
18°	1220.4
19°	1175.2
20°	1132.9
21°	1092.6
22°	1053.1
23°	1015.0
24°	969.8
25°	904.2
26°	823.7
27°	736.2
28°	643.7
29°	550.6
30°	460.9
32.5°	276.7
35°	198.3
37.5°	153.2
40°	118.6
42.5°	90.3
45°	72.0
47.5°	57.9
50°	45.9
52.5°	33.9
55°	20.5
57.5°	5.6
60°	4.2
62.5°	3.5
65°	3.5



TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.8
70°	2.8
72.5°	2.1
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	0.7
102.5°	0.7
105°	1.4
107.5°	2.1
110°	2.8
112.5°	2.8
115°	3.5
117.5°	3.5
120°	4.2
122.5°	5.6
125°	20.5
127.5°	33.9
130°	45.9
132.5°	57.9
135°	72.0
137.5°	90.3
140°	118.6
142.5°	153.2
145°	198.3
147.5°	276.7
150°	460.9
151°	550.6
152°	643.7
153°	736.2
154°	823.7
155°	904.2
156°	969.8
157°	1015.0
158°	1053.1
159°	1092.6
160°	1132.9
161°	1175.2



TEST NUMBER: P221614

CATALOG NUMBER: 9003-W2-FL-LED3097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	1220.4
163°	1261.3
164°	1305.8
165°	1356.6
166°	1409.6
167°	1464.6
168°	1517.6
169°	1564.8
170°	1607.9
171°	1643.9
172°	1676.4
173°	1701.1
174°	1716.6
175°	1721.5
176°	1722.9
177°	1717.3
178°	1711.0
179°	1710.2
180°	1715.2

(END OF REPORT)