

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: P221676

Luminaire Tested: **9003-W2-FL-LED4097-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-FL-LED4097-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2695.7 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

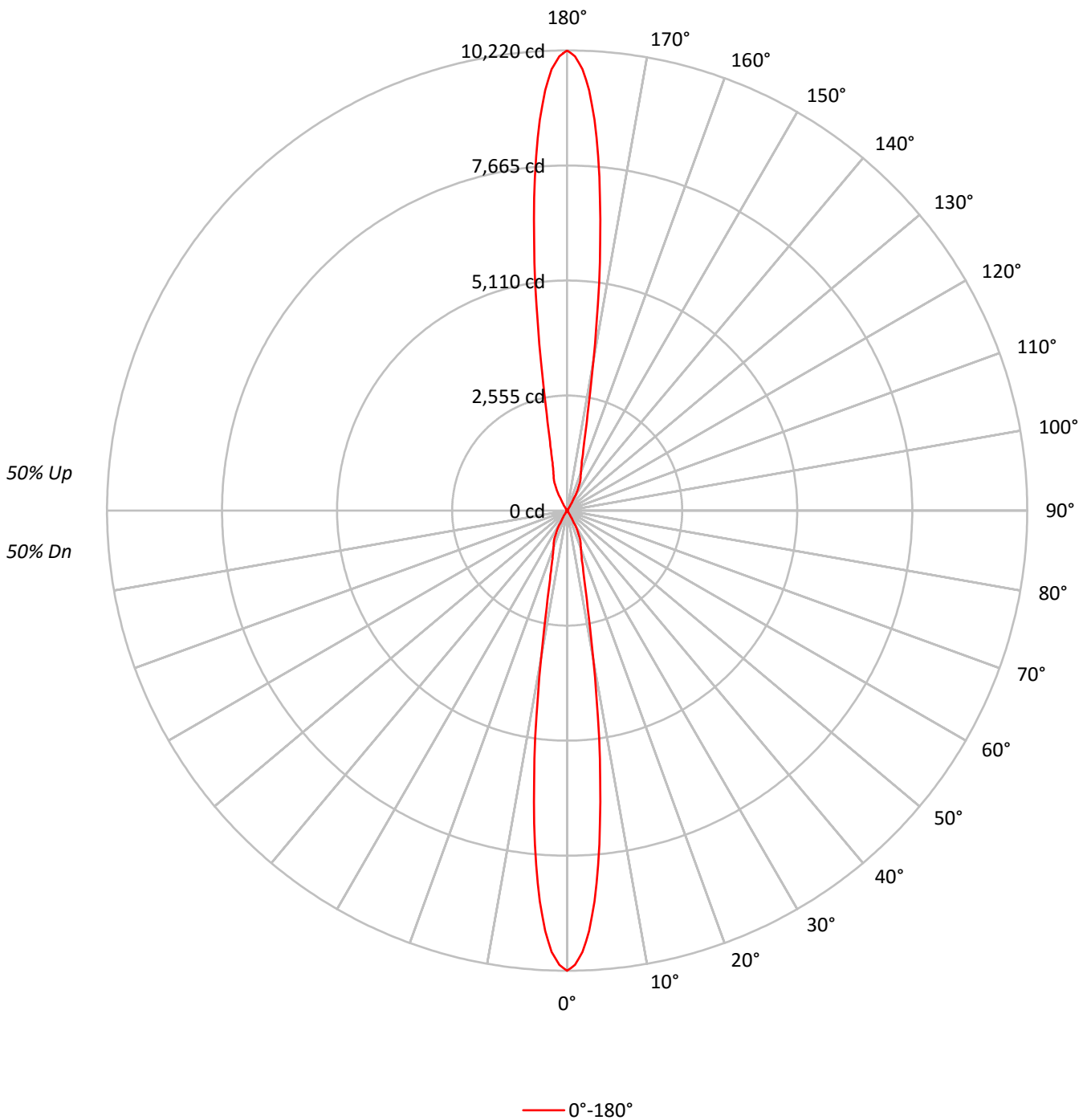
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-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	101	98	95	93	93	91	89	87	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	70	68	66	63		60	58	56		51	50	49	45
4	85	78	72	68	80	73	69	65	65	61	59		57	55	53		50	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		55	52	50		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	52		53	50	48		47	45	44	42
7	74	65	59	55	69	62	57	53	56	52	50		51	48	46		46	44	43	41
8	70	62	56	52	66	59	54	51	54	50	48		49	46	45		44	43	42	40
9	68	59	53	50	64	56	52	48	52	48	46		47	45	43		43	42	40	39
10	65	56	51	48	62	54	49	46	50	46	44		46	43	42		42	41	39	38

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

	0°
0°	2240983
5°	1739903
10°	743273
15°	314281
20°	208338
25°	156154
30°	59832
35°	9128
40°	4981
45°	2202
50°	1637
55°	1529
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	597.4	22.2
10°-20°	423.3	15.7
20°-30°	272.8	10.1
30°-40°	39.3	1.5
40°-50°	6.2	0.2
50°-60°	3.8	0.1
60°-70°	3.0	0.1
70°-80°	1.5	0.1
80°-90°	0.5	0.0
90°-100°	0.5	0.0
100°-110°	1.5	0.1
110°-120°	3.0	0.1
120°-130°	3.8	0.1
130°-140°	6.2	0.2
140°-150°	39.3	1.5
150°-160°	272.8	10.1
160°-170°	423.3	15.7
170°-180°	597.4	22.2
0°-30°	1293.5	48.0
0°-40°	1332.8	49.4
0°-60°	1342.8	49.8
0°-90°	1347.8	50.0
90°-120°	5.0	0.2
90°-150°	54.3	2.0
90°-180°	1348.0	50.0
0°-180°	2695.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10220	
5°	7904	597
15°	1384	423
25°	645	273
35°	34	39
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	0
95°	1	1
105°	2	1
115°	3	3
125°	4	4
135°	7	6
145°	34	39
155°	645	273
165°	1384	423
175°	7904	597
180°	10220	



TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10219.7
1°	10092.0
2°	9809.8
3°	9345.9
4°	8700.5
5°	7904.4
6°	6989.4
7°	6034.0
8°	5088.8
9°	4154.8
10°	3338.1
11°	2671.3
12°	2190.8
13°	1839.5
14°	1578.7
15°	1384.4
16°	1224.2
17°	1107.7
18°	1024.4
19°	951.5
20°	892.8
21°	842.1
22°	797.7
23°	756.4
24°	708.9
25°	645.4
26°	570.9
27°	490.8
28°	403.6
29°	317.2
30°	236.3
32.5°	78.5
35°	34.1
37.5°	24.6
40°	17.4
42.5°	8.7
45°	7.1
47.5°	5.6
50°	4.8
52.5°	4.8
55°	4.0
57.5°	4.0
60°	4.0
62.5°	3.2
65°	3.2



TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	1.6
107.5°	1.6
110°	2.4
112.5°	2.4
115°	3.2
117.5°	3.2
120°	4.0
122.5°	4.0
125°	4.0
127.5°	4.8
130°	4.8
132.5°	5.6
135°	7.1
137.5°	8.7
140°	17.4
142.5°	24.6
145°	34.1
147.5°	78.5
150°	236.3
151°	317.2
152°	403.6
153°	490.8
154°	570.9
155°	645.4
156°	708.9
157°	756.4
158°	797.7
159°	842.1
160°	892.8
161°	951.5



TEST NUMBER: P221676

CATALOG NUMBER: 9003-W2-FL-LED4097-S-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	1024.4
163°	1107.7
164°	1224.2
165°	1384.4
166°	1578.7
167°	1839.5
168°	2190.8
169°	2671.3
170°	3338.1
171°	4154.8
172°	5088.8
173°	6034.0
174°	6989.4
175°	7904.4
176°	8700.5
177°	9345.9
178°	9809.8
179°	10092.0
180°	10219.7

(END OF REPORT)