

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: P221510

Luminaire Tested: **9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-LED4097-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2169.9 lumens  
Efficiency: N/A  
Efficacy: 54.0 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

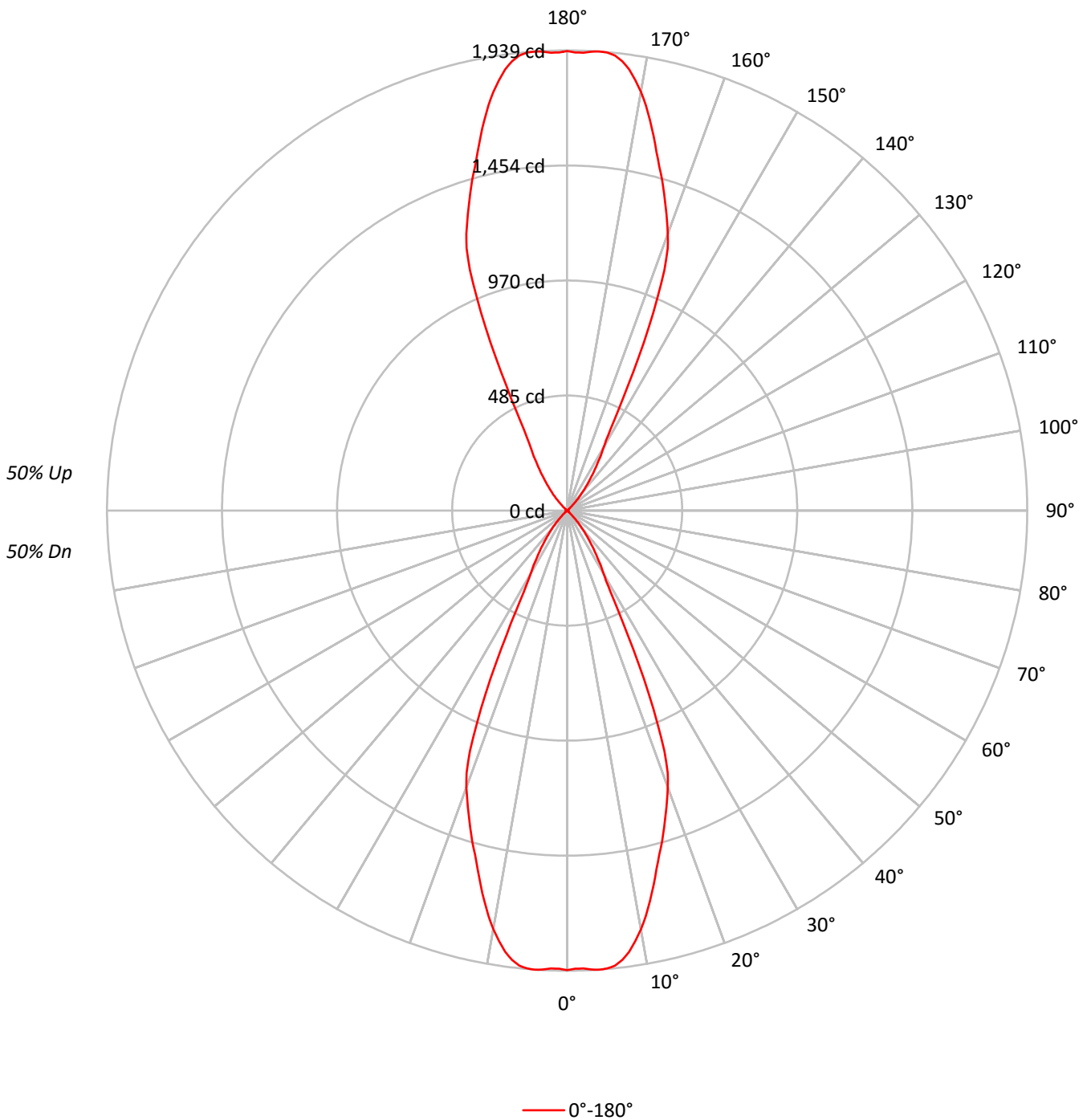
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-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	92	93	90	88	85	77	75	74	65	64	63	54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	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	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44	45	42	40	40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41	43	40	38	39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38	41	38	36	37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36	39	36	34	35	33	32	30

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

	0°
0°	424593
5°	426391
10°	398835
15°	340751
20°	289569
25°	172074
30°	78291
35°	49657
40°	28138
45°	10327
50°	3241
55°	2409
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.4	8.3
10°-20°	419.5	19.3
20°-30°	325.7	15.0
30°-40°	118.7	5.5
40°-50°	31.4	1.4
50°-60°	5.8	0.3
60°-70°	2.7	0.1
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.7	0.1
120°-130°	5.8	0.3
130°-140°	31.4	1.4
140°-150°	118.7	5.5
150°-160°	325.7	15.0
160°-170°	419.5	19.3
170°-180°	180.4	8.3
0°-30°	925.6	42.7
0°-40°	1044.3	48.1
0°-60°	1081.5	49.8
0°-90°	1084.9	50.0
90°-120°	3.4	0.2
90°-150°	159.3	7.3
90°-180°	1085.0	50.0
0°-180°	2169.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1936	
5°	1937	180
15°	1501	419
25°	711	326
35°	186	119
45°	33	31
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	6	6
135°	33	31
145°	186	119
155°	711	326
165°	1501	419
175°	1937	180
180°	1936	



TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1936.3
1°	1930.7
2°	1930.7
3°	1936.3
4°	1939.4
5°	1937.1
6°	1927.6
7°	1907.7
8°	1876.8
9°	1836.4
10°	1791.2
11°	1738.8
12°	1681.0
13°	1619.9
14°	1557.3
15°	1501.0
16°	1450.2
17°	1396.3
18°	1344.8
19°	1292.4
20°	1240.9
21°	1183.8
22°	1093.4
23°	974.5
24°	845.2
25°	711.2
26°	585.2
27°	472.6
28°	387.7
29°	339.4
30°	309.2
32.5°	243.4
35°	185.5
37.5°	139.6
40°	98.3
42.5°	65.0
45°	33.3
47.5°	15.1
50°	9.5
52.5°	7.1
55°	6.3
57.5°	5.6
60°	4.8
62.5°	3.2
65°	2.4



TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	2.4
115°	2.4
117.5°	3.2
120°	4.8
122.5°	5.6
125°	6.3
127.5°	7.1
130°	9.5
132.5°	15.1
135°	33.3
137.5°	65.0
140°	98.3
142.5°	139.6
145°	185.5
147.5°	243.4
150°	309.2
151°	339.4
152°	387.7
153°	472.6
154°	585.2
155°	711.2
156°	845.2
157°	974.5
158°	1093.4
159°	1183.8
160°	1240.9
161°	1292.4



TEST NUMBER: P221510

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4097-W-BK-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
162°	1344.8
163°	1396.3
164°	1450.2
165°	1501.0
166°	1557.3
167°	1619.9
168°	1681.0
169°	1738.8
170°	1791.2
171°	1836.4
172°	1876.8
173°	1907.7
174°	1927.6
175°	1937.1
176°	1939.4
177°	1936.3
178°	1930.7
179°	1930.7
180°	1936.3

(END OF REPORT)