

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: P220424

Luminaire Tested: **9002-W1-FL-LED4097-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED4097-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

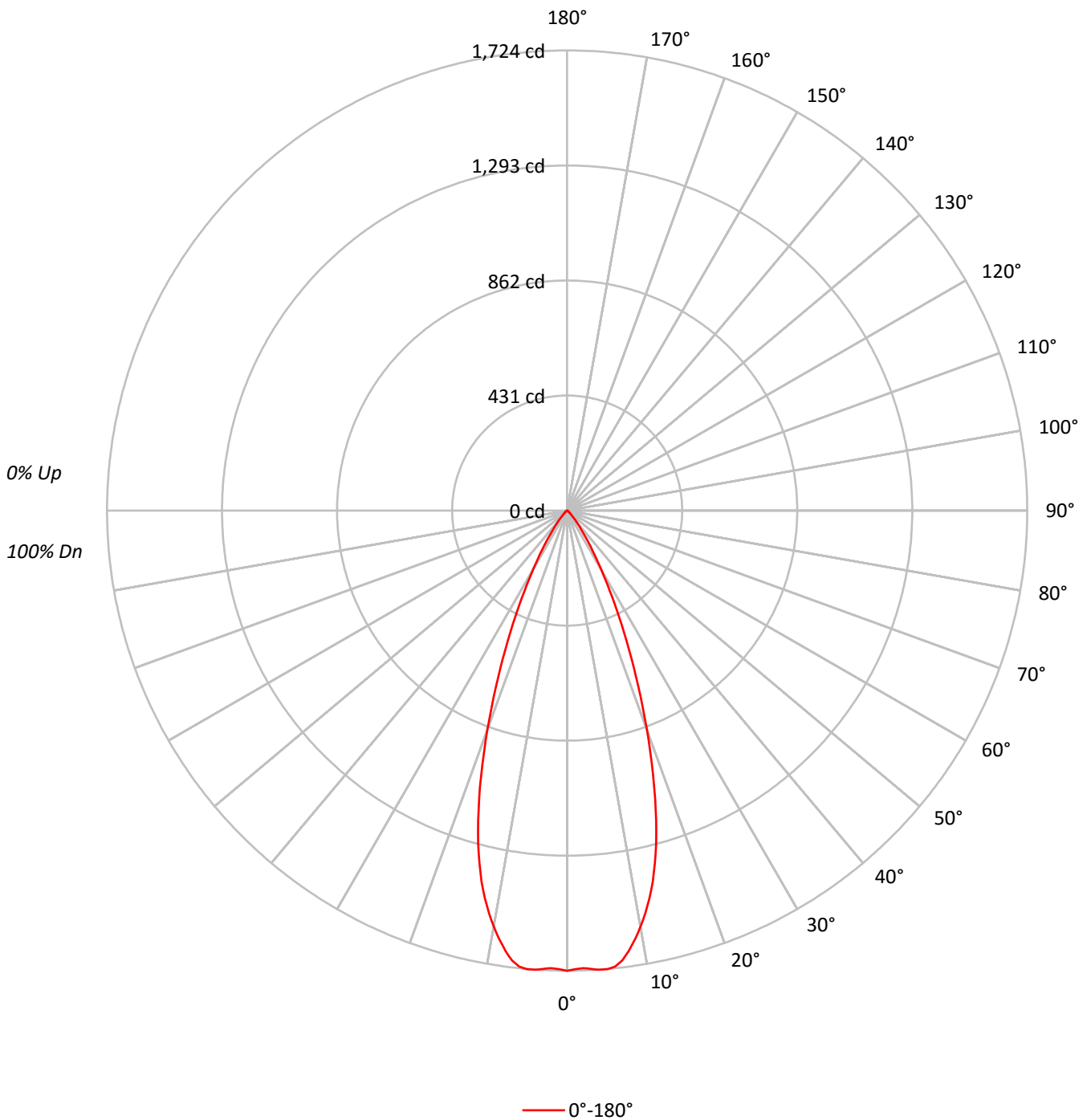
Lumens per Lamp: N/A  
Luminaire Lumens: 845.5 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
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: P220424  
CATALOG NUMBER: 9002-W1-FL-LED4097-F-BK-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220424

CATALOG NUMBER: 9002-W1-FL-LED4097-F-BK-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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88	85	83	82
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75	71	69	68
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	63		69	66	63	62

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

	0°
0°	850833
5°	854083
10°	792968
15°	658299
20°	458416
25°	274805
30°	145218
35°	69265
40°	32203
45°	13955
50°	7062
55°	3613
60°	2467
65°	1985
70°	2452
75°	0
80°	0
85°	0



TEST NUMBER: P220424

CATALOG NUMBER: 9002-W1-FL-LED4097-F-BK-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	18.9
10°-20°	347.8	41.1
20°-30°	234.2	27.7
30°-40°	78.7	9.3
40°-50°	17.7	2.1
50°-60°	4.4	0.5
60°-70°	2.0	0.2
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	742.2	87.8
0°-40°	820.9	97.1
0°-60°	843.1	99.7
0°-90°	845.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1724	
5°	1724	160
15°	1289	348
25°	505	234
35°	115	79
45°	20	18
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220424

CATALOG NUMBER: 9002-W1-FL-LED4097-F-BK-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1724.5
1°	1718.6
2°	1715.3
3°	1719.5
4°	1724.5
5°	1724.5
6°	1717.8
7°	1697.8
8°	1665.3
9°	1625.3
10°	1582.8
11°	1535.3
12°	1483.7
13°	1425.4
14°	1360.4
15°	1288.8
16°	1209.6
17°	1128.0
18°	1042.2
19°	957.2
20°	873.1
21°	791.4
22°	713.1
23°	639.0
24°	569.8
25°	504.8
26°	444.9
27°	390.7
28°	339.9
29°	294.9
30°	254.9
32.5°	172.4
35°	115.0
37.5°	76.6
40°	50.0
42.5°	30.8
45°	20.0
47.5°	13.3
50°	9.2
52.5°	6.7
55°	4.2
57.5°	3.3
60°	2.5
62.5°	2.5
65°	1.7



TEST NUMBER: P220424

CATALOG NUMBER: 9002-W1-FL-LED4097-F-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.7
70°	1.7
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)