

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: P220941

Luminaire Tested: **9004-W1-FL-LED3097-S-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED3097-S-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

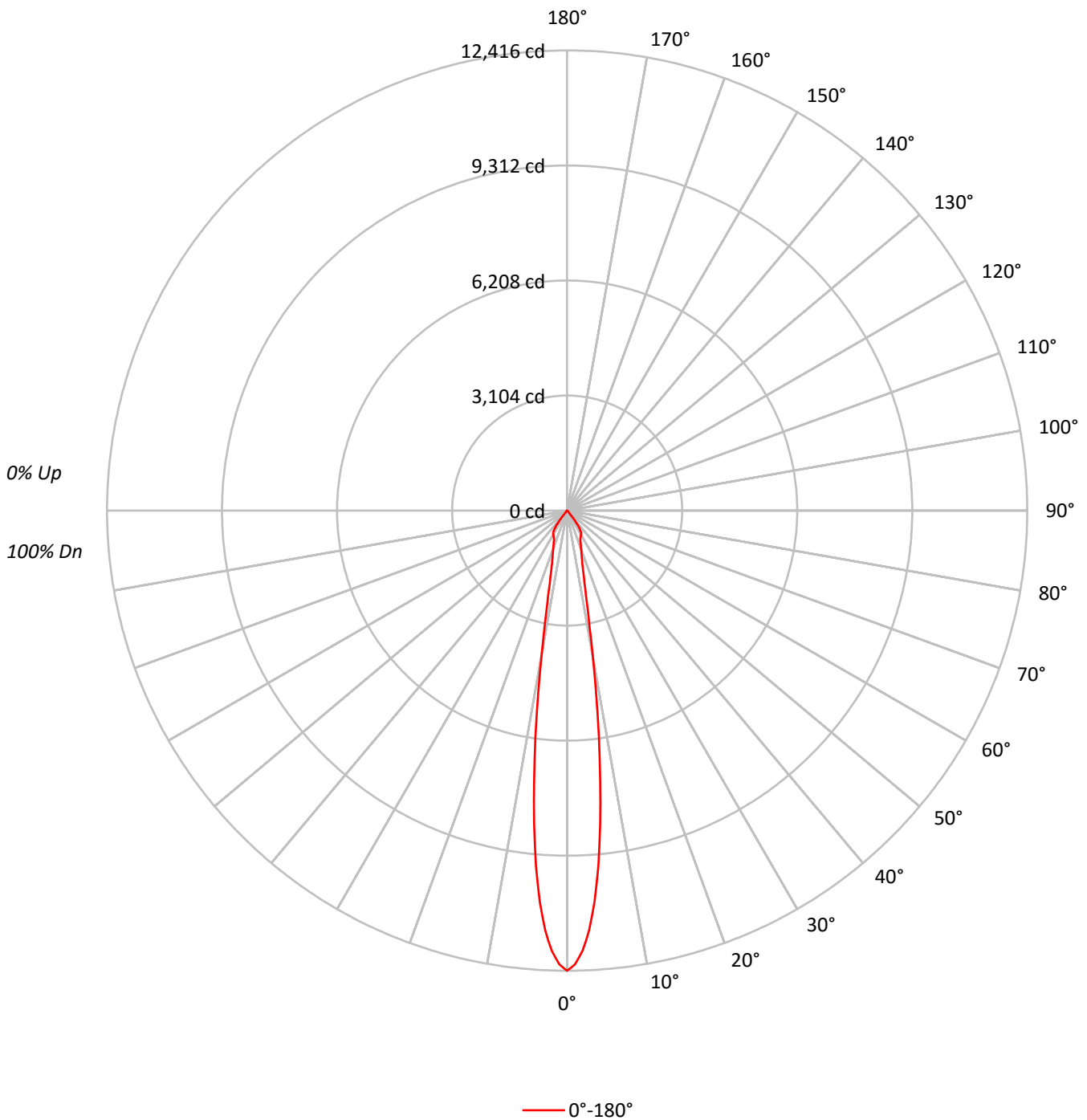
Lumens per Lamp: N/A  
Luminaire Lumens: 1977.2 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.6  
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: P220941  
CATALOG NUMBER: 9004-W1-FL-LED3097-S-WT-L3-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220941

CATALOG NUMBER: 9004-W1-FL-LED3097-S-WT-L3-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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

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

	0°
0°	1531422
5°	1192059
10°	496485
15°	209921
20°	144073
25°	114988
30°	106265
35°	86943
40°	18291
45°	4186
50°	1497
55°	1204
60°	691
65°	409
70°	252
75°	334
80°	0
85°	0



TEST NUMBER: P220941

CATALOG NUMBER: 9004-W1-FL-LED3097-S-WT-L3-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	723.5	36.6
10°-20°	507.1	25.6
20°-30°	399.7	20.2
30°-40°	314.7	15.9
40°-50°	25.4	1.3
50°-60°	4.9	0.2
60°-70°	1.3	0.1
70°-80°	0.6	0.0
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°	1630.3	82.5
0°-40°	1944.9	98.4
0°-60°	1975.3	99.9
0°-90°	1977.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1977.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12416	
5°	9628	724
15°	1644	507
25°	845	400
35°	577	315
45°	24	25
55°	6	5
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P220941

CATALOG NUMBER: 9004-W1-FL-LED3097-S-WT-L3-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12415.7
1°	12244.9
2°	11889.8
3°	11339.3
4°	10586.2
5°	9627.6
6°	8520.9
7°	7325.2
8°	6152.1
9°	4971.2
10°	3964.0
11°	3160.0
12°	2577.0
13°	2164.1
14°	1864.8
15°	1643.9
16°	1478.0
17°	1356.6
18°	1264.2
19°	1175.9
20°	1097.6
21°	1032.6
22°	974.8
23°	923.9
24°	879.5
25°	844.9
26°	818.8
27°	799.0
28°	780.0
29°	763.0
30°	746.1
32.5°	703.7
35°	577.4
37.5°	344.4
40°	113.6
42.5°	33.9
45°	24.0
47.5°	16.9
50°	7.8
52.5°	7.1
55°	5.6
57.5°	4.2
60°	2.8
62.5°	1.4
65°	1.4



TEST NUMBER: P220941

CATALOG NUMBER: 9004-W1-FL-LED3097-S-WT-L3-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)