

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: P220995

Luminaire Tested: **9004-W1-FL-LED3597-F-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED3597-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2221.7 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

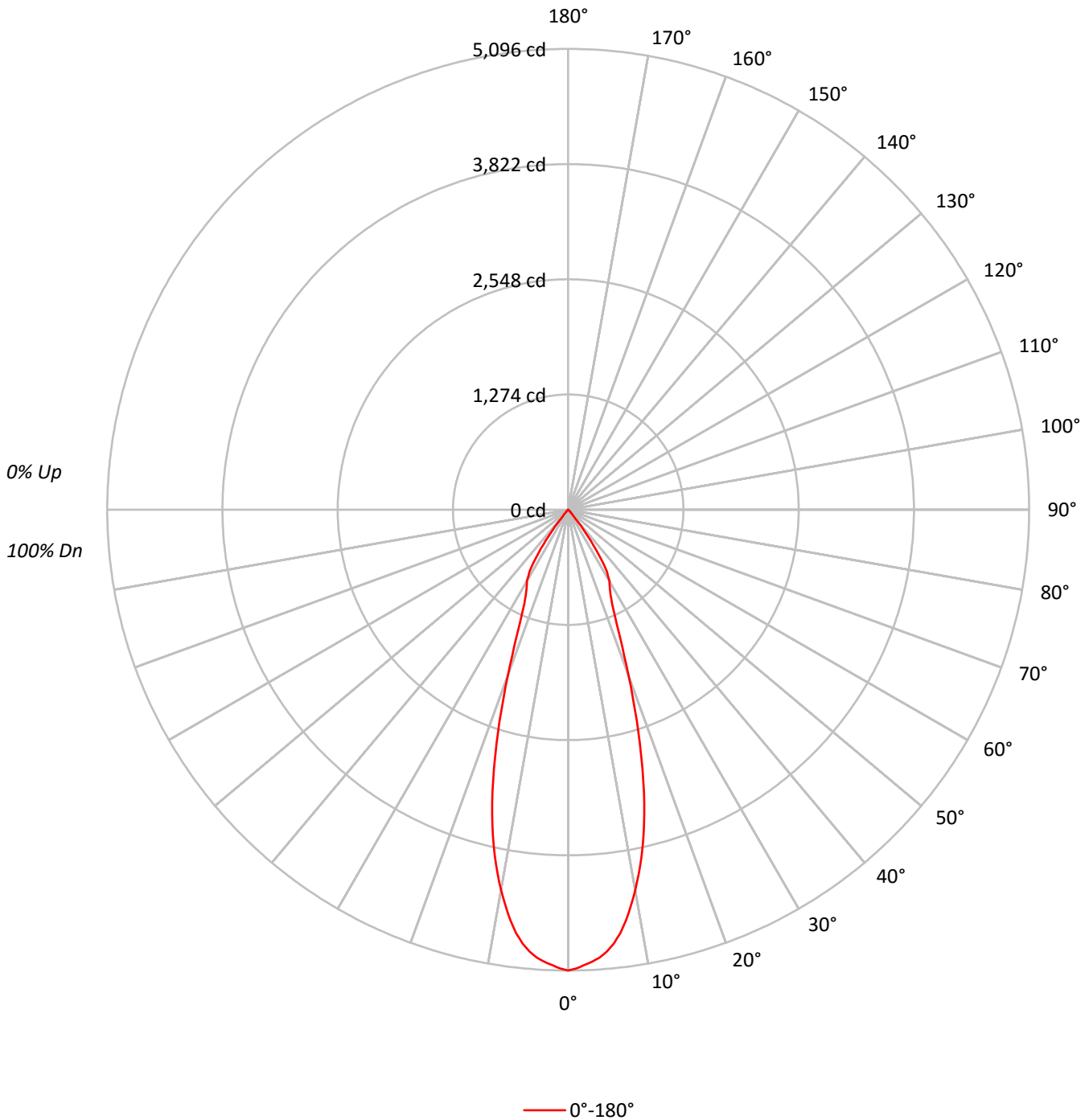
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	106	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	74	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	74	70	66	74	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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

	0°
0°	628557
5°	607371
10°	535174
15°	413240
20°	256525
25°	156471
30°	129765
35°	79204
40°	13413
45°	4884
50°	1075
55°	516
60°	395
65°	467
70°	289
75°	381
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.1	20.2
10°-20°	866.5	39.0
20°-30°	564.3	25.4
30°-40°	313.4	14.1
40°-50°	24.5	1.1
50°-60°	2.6	0.1
60°-70°	1.5	0.1
70°-80°	0.7	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°	1879.0	84.6
0°-40°	2192.4	98.7
0°-60°	2219.4	99.9
0°-90°	2221.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2221.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5096	
5°	4905	448
15°	3236	867
25°	1150	564
35°	526	313
45°	28	24
55°	2	3
65°	2	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5095.9
1°	5073.5
2°	5040.7
3°	5006.3
4°	4965.4
5°	4905.4
6°	4824.5
7°	4718.0
8°	4585.9
9°	4434.6
10°	4272.9
11°	4096.8
12°	3905.4
13°	3700.5
14°	3474.7
15°	3236.1
16°	2976.7
17°	2706.1
18°	2449.9
19°	2192.1
20°	1954.3
21°	1730.1
22°	1535.6
23°	1373.1
24°	1246.6
25°	1149.7
26°	1079.2
27°	1023.2
28°	979.2
29°	943.9
30°	911.1
32.5°	772.6
35°	526.0
37.5°	269.8
40°	83.3
42.5°	40.0
45°	28.0
47.5°	17.6
50°	5.6
52.5°	3.2
55°	2.4
57.5°	2.4
60°	1.6
62.5°	1.6
65°	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.6
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

(END OF REPORT)