

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: P220949

Luminaire Tested: **9004-W1-FL-LED2797-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED2797-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 826.2 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

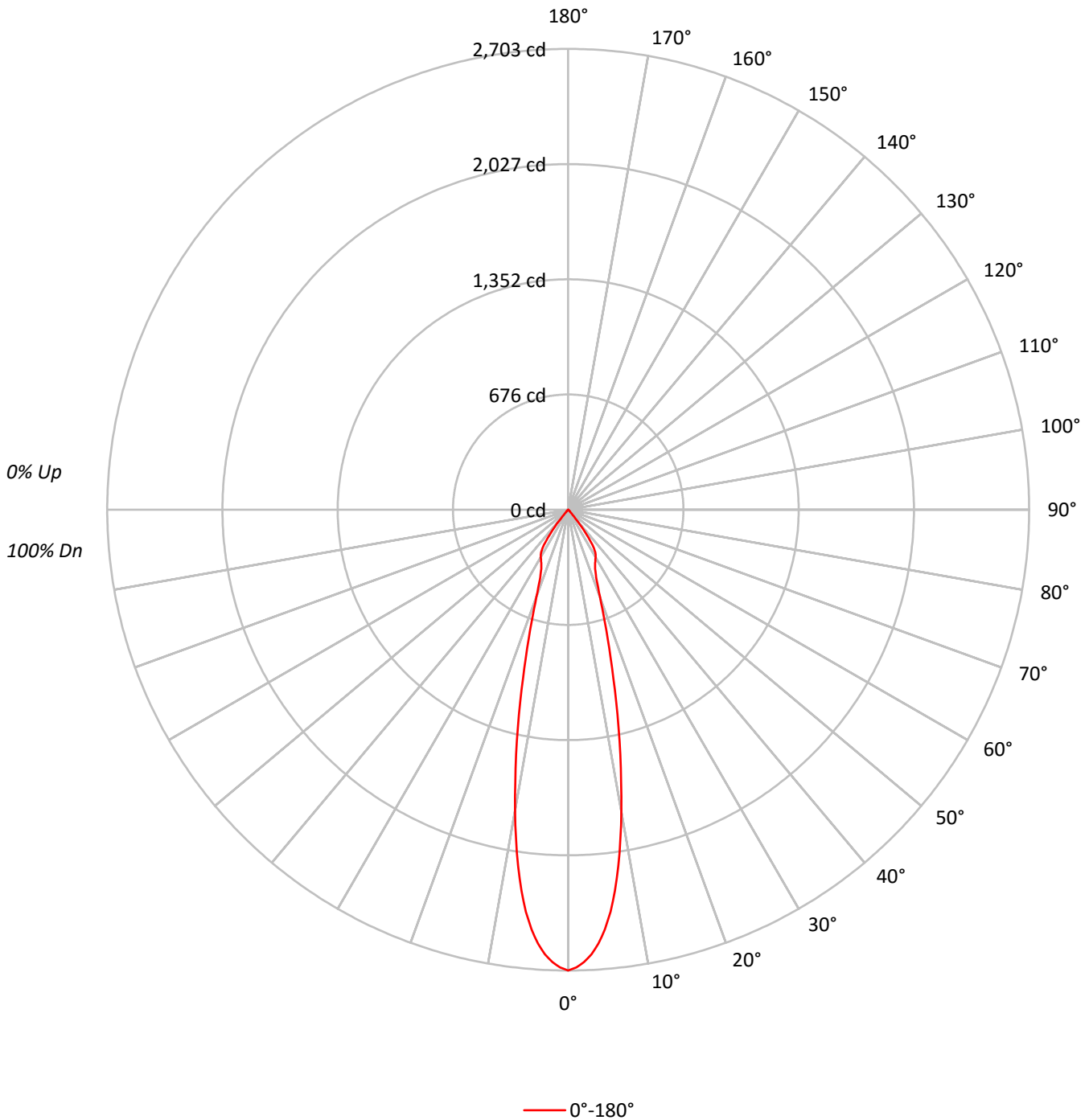
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220949

CATALOG NUMBER: 9004-W1-FL-LED2797-M-WT-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220949

CATALOG NUMBER: 9004-W1-FL-LED2797-M-WT-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	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	90		94	91	89		92	90	88	86
4	101	95	91	87	100	94	90	86	92	88	85		90	87	85		88	86	84	82
5	97	91	86	82	96	90	85	82	88	84	81		86	83	80		85	82	80	78
6	94	86	82	78	92	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	75	73	72
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65		71	68	65		71	67	65	64

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

	0°
0°	333403
5°	305939
10°	224796
15°	130876
20°	71367
25°	50723
30°	45719
35°	36003
40°	8003
45°	2198
50°	729
55°	430
60°	296
65°	175
70°	108
75°	143
80°	0
85°	0



TEST NUMBER: P220949

CATALOG NUMBER: 9004-W1-FL-LED2797-M-WT-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.0	25.9
10°-20°	285.7	34.6
20°-30°	178.6	21.6
30°-40°	132.5	16.0
40°-50°	12.3	1.5
50°-60°	2.0	0.2
60°-70°	0.7	0.1
70°-80°	0.3	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°	678.4	82.1
0°-40°	810.9	98.1
0°-60°	825.2	99.9
0°-90°	826.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2703	
5°	2471	214
15°	1025	286
25°	373	179
35°	239	133
45°	13	12
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220949

CATALOG NUMBER: 9004-W1-FL-LED2797-M-WT-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2703.0
1°	2685.2
2°	2654.8
3°	2610.9
4°	2550.7
5°	2470.9
6°	2371.8
7°	2252.3
8°	2112.8
9°	1957.3
10°	1794.8
11°	1628.5
12°	1467.4
13°	1310.4
14°	1161.4
15°	1024.9
16°	900.6
17°	792.2
18°	694.8
19°	612.4
20°	543.7
21°	489.3
22°	445.8
23°	413.6
24°	389.9
25°	372.7
26°	359.8
27°	348.7
28°	338.5
29°	329.7
30°	321.0
32.5°	296.7
35°	239.1
37.5°	144.7
40°	49.7
42.5°	17.2
45°	12.6
47.5°	9.1
50°	3.8
52.5°	2.9
55°	2.0
57.5°	1.5
60°	1.2
62.5°	0.9
65°	0.6



TEST NUMBER: P220949

CATALOG NUMBER: 9004-W1-FL-LED2797-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.6
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)