

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: P221007

Luminaire Tested: **9004-W1-FL-LED3090-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-FL-LED3090-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1718.8 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

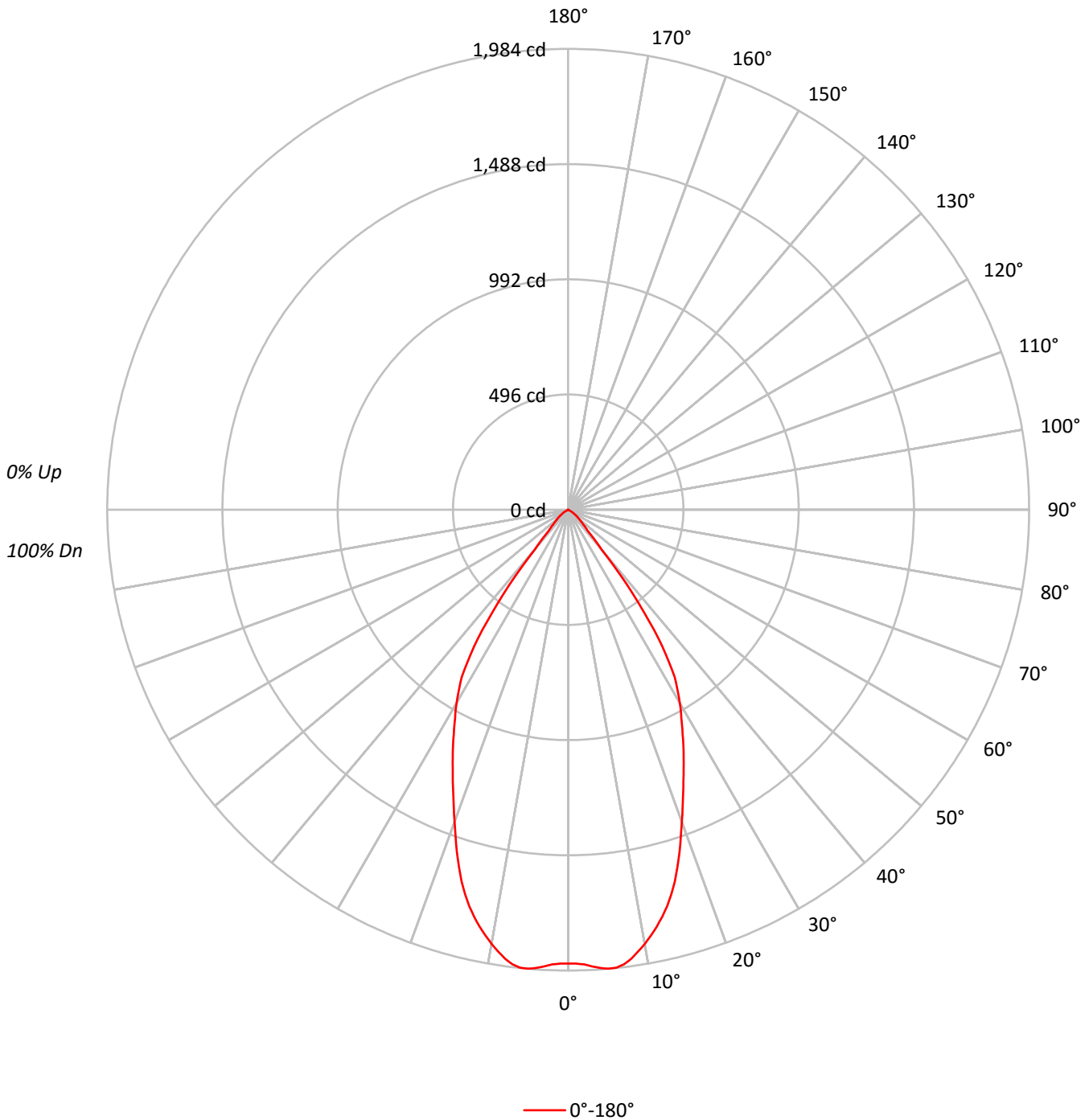
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P221007

CATALOG NUMBER: 9004-W1-FL-LED3090-W-WT-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P221007

CATALOG NUMBER: 9004-W1-FL-LED3090-W-WT-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	60	56	64	59	56	63	59	55	63	58	55	54
10	72	62	56	53	71	62	56	52	61	56	52	60	55	52	59	55	52	51

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

	0°
0°	241091
5°	245591
10°	237784
15°	219000
20°	187665
25°	160050
30°	136873
35°	102317
40°	36309
45°	16973
50°	11226
55°	7548
60°	3799
65°	905
70°	649
75°	572
80°	0
85°	0



TEST NUMBER: P221007

CATALOG NUMBER: 9004-W1-FL-LED3090-W-WT-L2-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.6	10.9
10°-20°	473.3	27.5
20°-30°	540.3	31.4
30°-40°	396.7	23.1
40°-50°	84.2	4.9
50°-60°	31.8	1.9
60°-70°	4.5	0.3
70°-80°	1.2	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°	1200.3	69.8
0°-40°	1597.0	92.9
0°-60°	1713.0	99.7
0°-90°	1718.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1955	
5°	1984	187
15°	1715	473
25°	1176	540
35°	680	397
45°	97	84
55°	35	32
65°	3	5
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P221007

CATALOG NUMBER: 9004-W1-FL-LED3090-W-WT-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1954.6
1°	1954.0
2°	1958.9
3°	1968.7
4°	1978.0
5°	1983.5
6°	1982.3
7°	1971.8
8°	1951.5
9°	1926.2
10°	1898.5
11°	1867.1
12°	1835.1
13°	1798.7
14°	1759.3
15°	1715.0
16°	1664.4
17°	1608.4
18°	1550.5
19°	1489.5
20°	1429.7
21°	1374.3
22°	1320.7
23°	1270.2
24°	1222.2
25°	1176.0
26°	1131.0
27°	1085.4
28°	1041.7
29°	1001.0
30°	961.0
32.5°	853.2
35°	679.5
37.5°	458.9
40°	225.5
42.5°	126.9
45°	97.3
47.5°	76.4
50°	58.5
52.5°	46.2
55°	35.1
57.5°	25.3
60°	15.4
62.5°	4.3
65°	3.1



TEST NUMBER: P221007

CATALOG NUMBER: 9004-W1-FL-LED3090-W-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.5
70°	1.8
72.5°	1.8
75°	1.2
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)