

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: P220994

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220994  
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-LED3097-F-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1958.6 lumens  
Efficiency: N/A  
Efficacy: 69.2 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

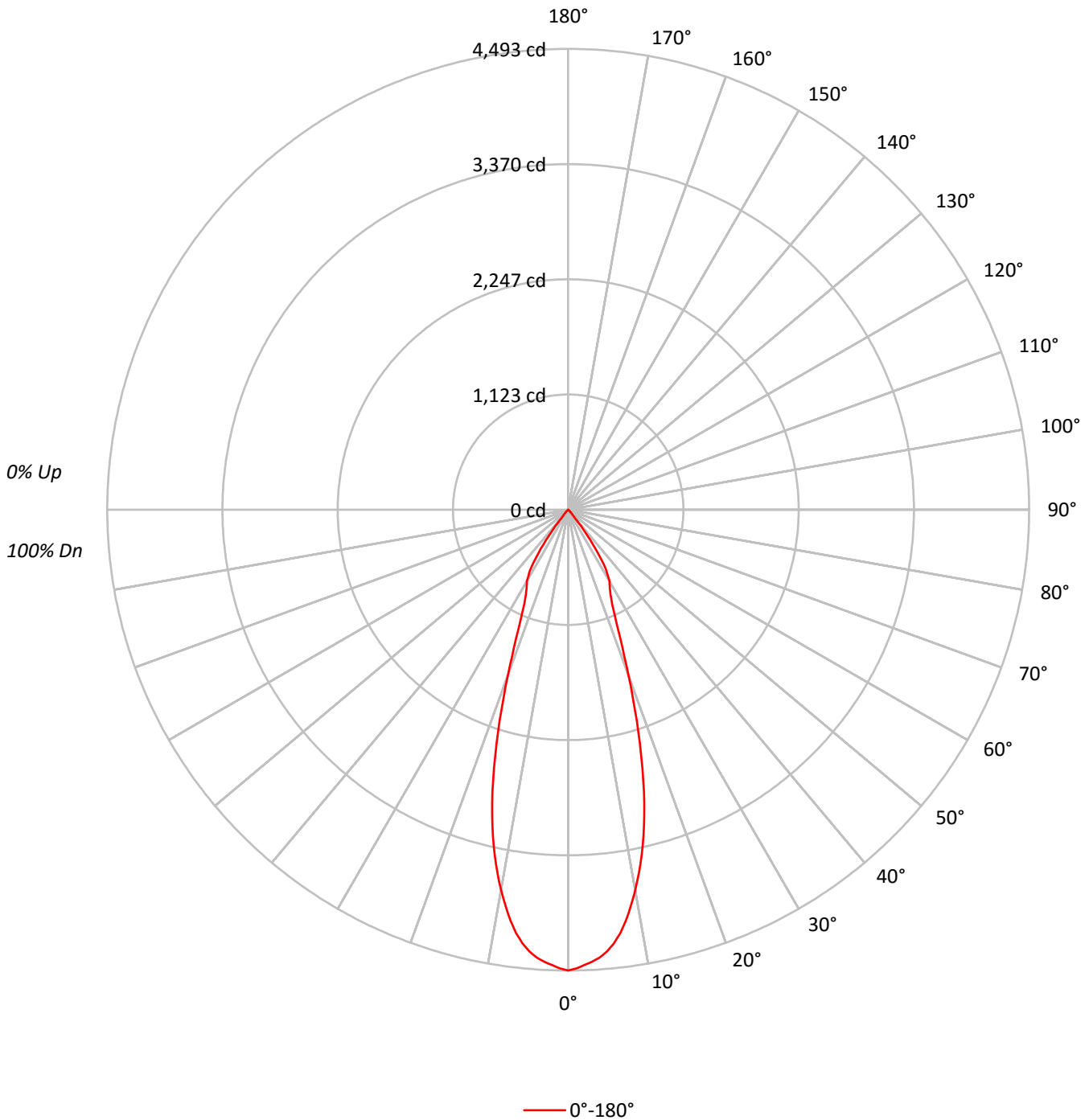
Input Watts (W): 28.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	554155
5°	535470
10°	471823
15°	364319
20°	226164
25°	137948
30°	114398
35°	69823
40°	11819
45°	4309
50°	940
55°	452
60°	345
65°	409
70°	252
75°	334
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.1	20.2
10°-20°	764.0	39.0
20°-30°	497.5	25.4
30°-40°	276.3	14.1
40°-50°	21.6	1.1
50°-60°	2.3	0.1
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°	1656.5	84.6
0°-40°	1932.8	98.7
0°-60°	1956.7	99.9
0°-90°	1958.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4493	
5°	4325	395
15°	2853	764
25°	1014	498
35°	464	276
45°	25	22
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4492.7
1°	4472.9
2°	4444.0
3°	4413.6
4°	4377.6
5°	4324.7
6°	4253.4
7°	4159.5
8°	4043.1
9°	3909.6
10°	3767.1
11°	3611.8
12°	3443.1
13°	3262.4
14°	3063.3
15°	2853.0
16°	2624.3
17°	2385.7
18°	2159.9
19°	1932.6
20°	1723.0
21°	1525.3
22°	1353.8
23°	1210.5
24°	1099.0
25°	1013.6
26°	951.5
27°	902.1
28°	863.2
29°	832.2
30°	803.2
32.5°	681.1
35°	463.7
37.5°	237.9
40°	73.4
42.5°	35.3
45°	24.7
47.5°	15.5
50°	4.9
52.5°	2.8
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
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)