

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: P220952

Luminaire Tested: **9004-W1-FL-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220952  
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-LED4097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 936.8 lumens  
Efficiency: N/A  
Efficacy: 95.6 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

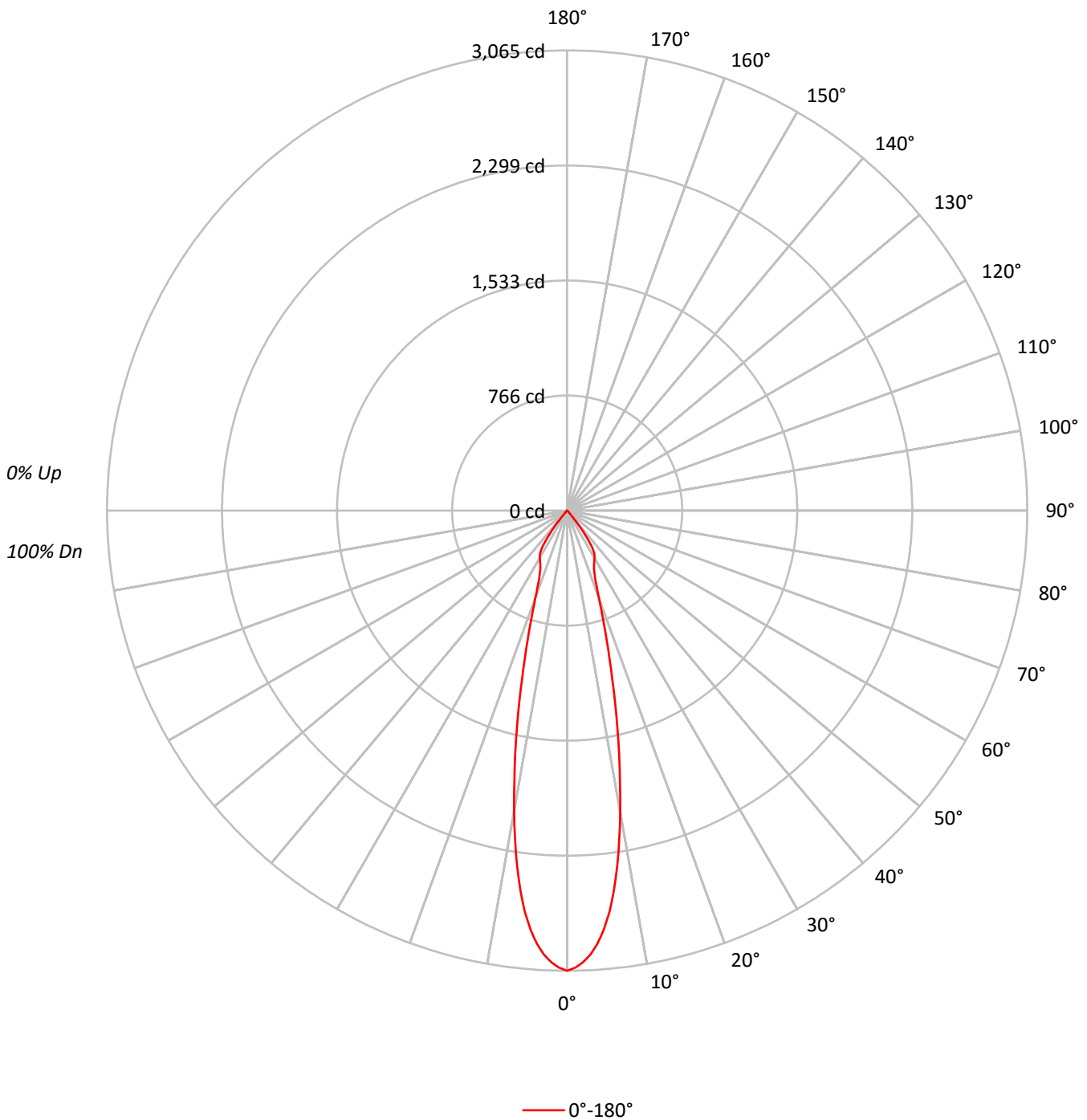
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	378067
5°	346922
10°	254906
15°	148396
20°	80923
25°	57515
30°	51829
35°	40821
40°	9065
45°	2494
50°	825
55°	495
60°	321
65°	204
70°	108
75°	143
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.7	25.9
10°-20°	323.9	34.6
20°-30°	202.6	21.6
30°-40°	150.2	16.0
40°-50°	14.0	1.5
50°-60°	2.2	0.2
60°-70°	0.8	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°	769.2	82.1
0°-40°	919.5	98.2
0°-60°	935.7	99.9
0°-90°	936.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3065	
5°	2802	243
15°	1162	324
25°	423	203
35°	271	150
45°	14	14
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3065.1
1°	3044.8
2°	3010.4
3°	2960.6
4°	2892.4
5°	2801.9
6°	2689.5
7°	2553.9
8°	2395.8
9°	2219.5
10°	2035.2
11°	1846.6
12°	1664.0
13°	1486.0
14°	1316.9
15°	1162.1
16°	1021.2
17°	898.3
18°	787.9
19°	694.4
20°	616.5
21°	554.9
22°	505.5
23°	469.0
24°	442.2
25°	422.6
26°	408.0
27°	395.4
28°	383.8
29°	373.9
30°	363.9
32.5°	336.4
35°	271.1
37.5°	164.1
40°	56.3
42.5°	19.6
45°	14.3
47.5°	10.3
50°	4.3
52.5°	3.3
55°	2.3
57.5°	1.7
60°	1.3
62.5°	1.0
65°	0.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
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)