

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: P221084

Luminaire Tested: **9004-W1-FL-LED4097-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)  
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-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

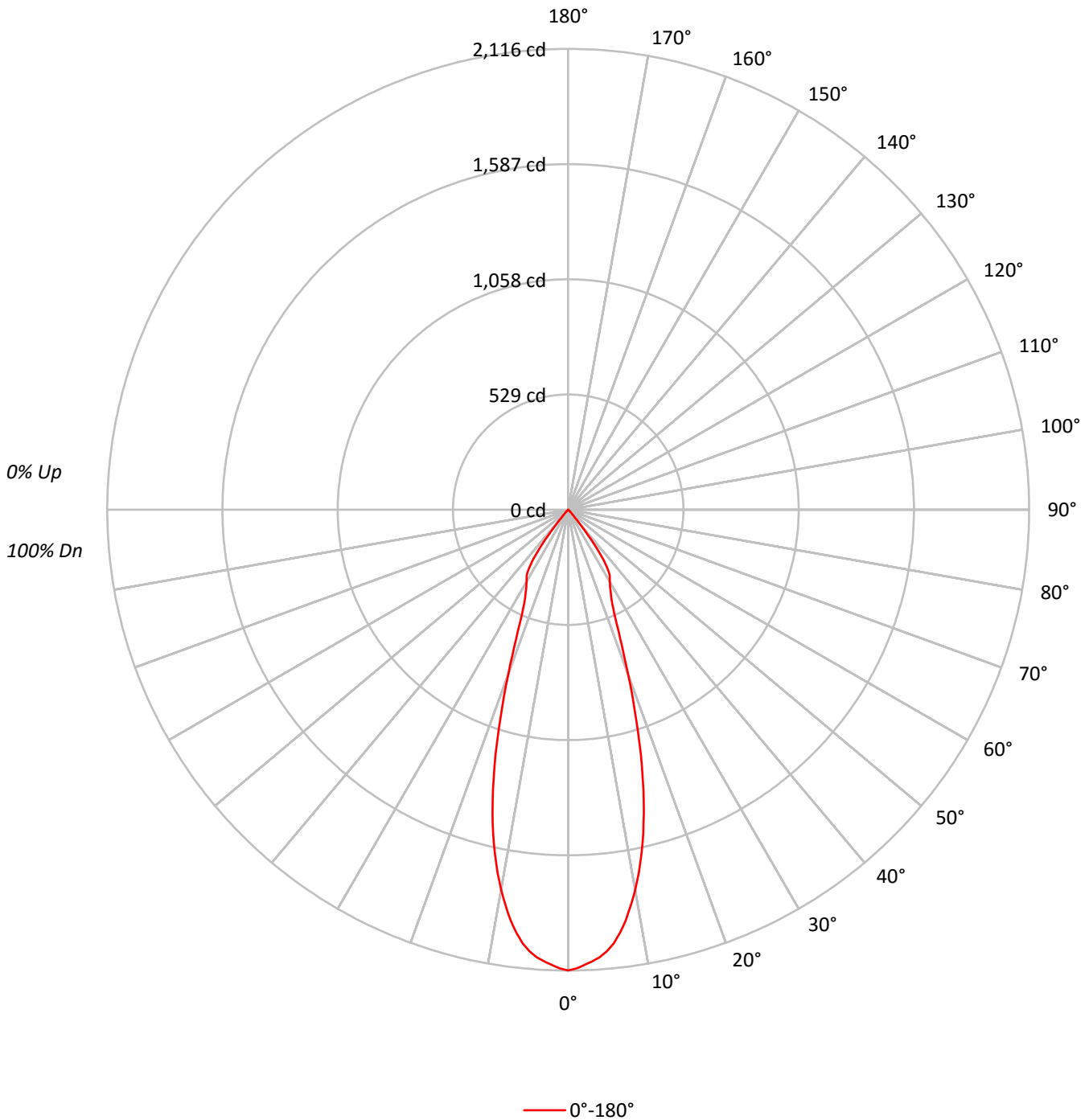
Lumens per Lamp: N/A  
Luminaire Lumens: 951.6 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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	105	102	99	107	104	100	98	100	98	96		97	95	94		95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	89	84	81	95	88	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75		82	78	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72		78	74	71		77	74	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	65	81	74	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	70	66	62	70	65	62		69	65	62		68	65	62	61

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

	0°
0°	260962
5°	252029
10°	221903
15°	170450
20°	105416
25°	65326
30°	54436
35°	43577
40°	9500
45°	2023
50°	384
55°	215
60°	173
65°	88
70°	108
75°	143
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	19.5
10°-20°	358.0	37.6
20°-30°	235.1	24.7
30°-40°	158.5	16.7
40°-50°	12.5	1.3
50°-60°	0.9	0.1
60°-70°	0.4	0.0
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°	778.9	81.9
0°-40°	937.5	98.5
0°-60°	950.9	99.9
0°-90°	951.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2116	
5°	2036	186
15°	1335	358
25°	480	235
35°	289	159
45°	12	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2115.7
1°	2106.5
2°	2092.9
3°	2078.0
4°	2060.4
5°	2035.5
6°	2001.4
7°	1957.0
8°	1902.3
9°	1839.0
10°	1771.7
11°	1697.8
12°	1617.2
13°	1529.4
14°	1435.9
15°	1334.8
16°	1228.4
17°	1118.4
18°	1008.3
19°	904.9
20°	803.1
21°	715.0
22°	635.8
23°	570.1
24°	519.4
25°	480.0
26°	451.5
27°	429.6
28°	411.0
29°	395.8
30°	382.2
32.5°	353.7
35°	289.4
37.5°	172.0
40°	59.0
42.5°	17.6
45°	11.6
47.5°	7.3
50°	2.0
52.5°	1.0
55°	1.0
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
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)