

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: P221039

Luminaire Tested: **9004-W1-FL-LED3097-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)  
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-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

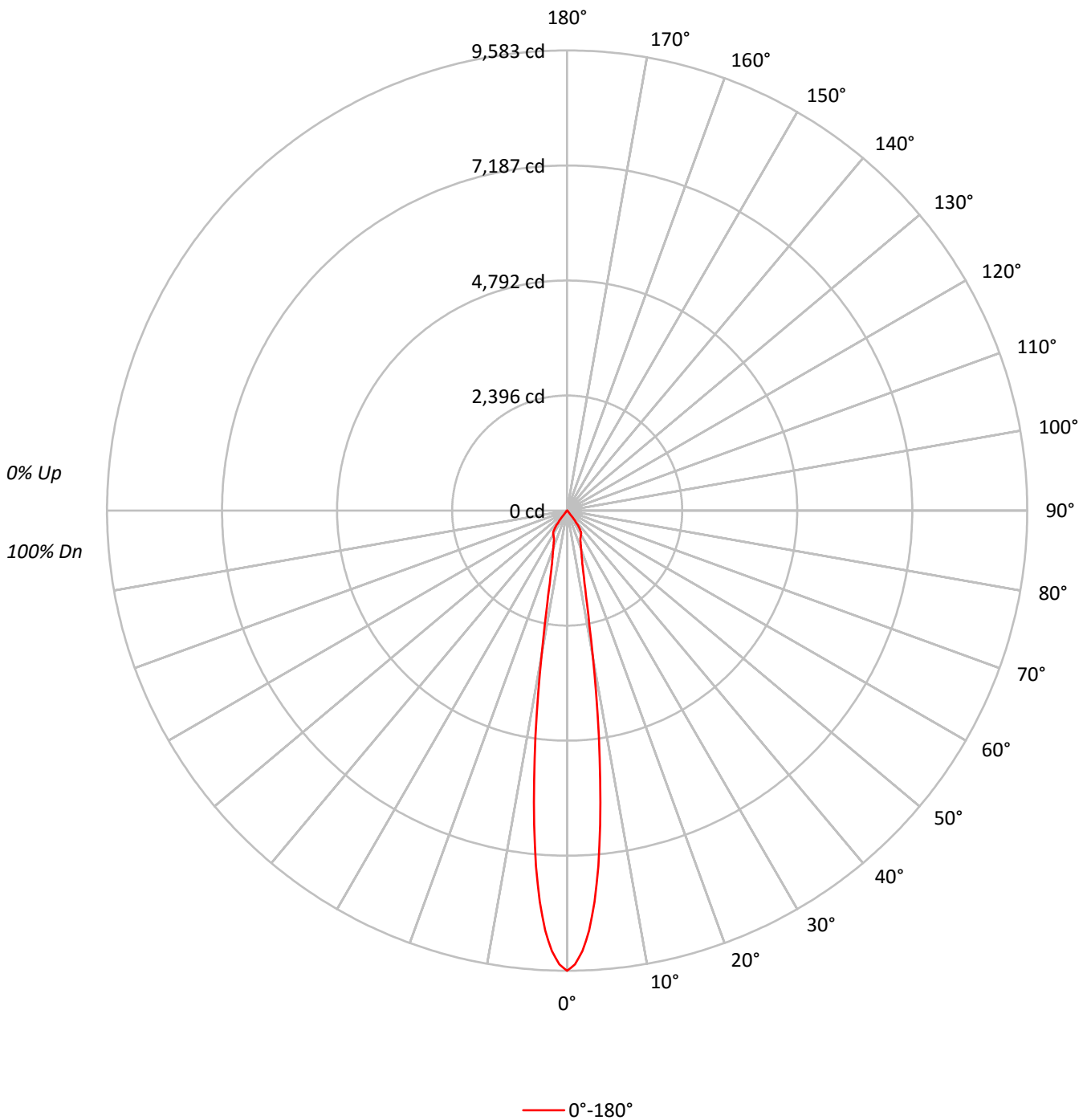
Lumens per Lamp: N/A  
Luminaire Lumens: 1526.2 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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



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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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

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

	0°
0°	1182058
5°	920120
10°	383223
15°	162034
20°	111205
25°	88749
30°	82024
35°	67112
40°	14121
45°	3227
50°	1151
55°	946
60°	543
65°	321
70°	180
75°	238
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	558.5	36.6
10°-20°	391.4	25.6
20°-30°	308.5	20.2
30°-40°	242.9	15.9
40°-50°	19.6	1.3
50°-60°	3.8	0.3
60°-70°	1.0	0.1
70°-80°	0.5	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°	1258.4	82.5
0°-40°	1501.2	98.4
0°-60°	1524.7	99.9
0°-90°	1526.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9583	
5°	7431	558
15°	1269	391
25°	652	308
35°	446	243
45°	18	20
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9583.3
1°	9451.5
2°	9177.4
3°	8752.5
4°	8171.2
5°	7431.3
6°	6577.0
7°	5654.1
8°	4748.6
9°	3837.1
10°	3059.7
11°	2439.1
12°	1989.1
13°	1670.4
14°	1439.4
15°	1268.9
16°	1140.8
17°	1047.1
18°	975.8
19°	907.7
20°	847.2
21°	797.1
22°	752.4
23°	713.2
24°	678.8
25°	652.1
26°	632.0
27°	616.7
28°	602.0
29°	588.9
30°	575.9
32.5°	543.2
35°	445.7
37.5°	265.9
40°	87.7
42.5°	26.2
45°	18.5
47.5°	13.1
50°	6.0
52.5°	5.4
55°	4.4
57.5°	3.3
60°	2.2
62.5°	1.1
65°	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)