

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: P220768

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[RW, RI]-LED3597-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 903.3 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

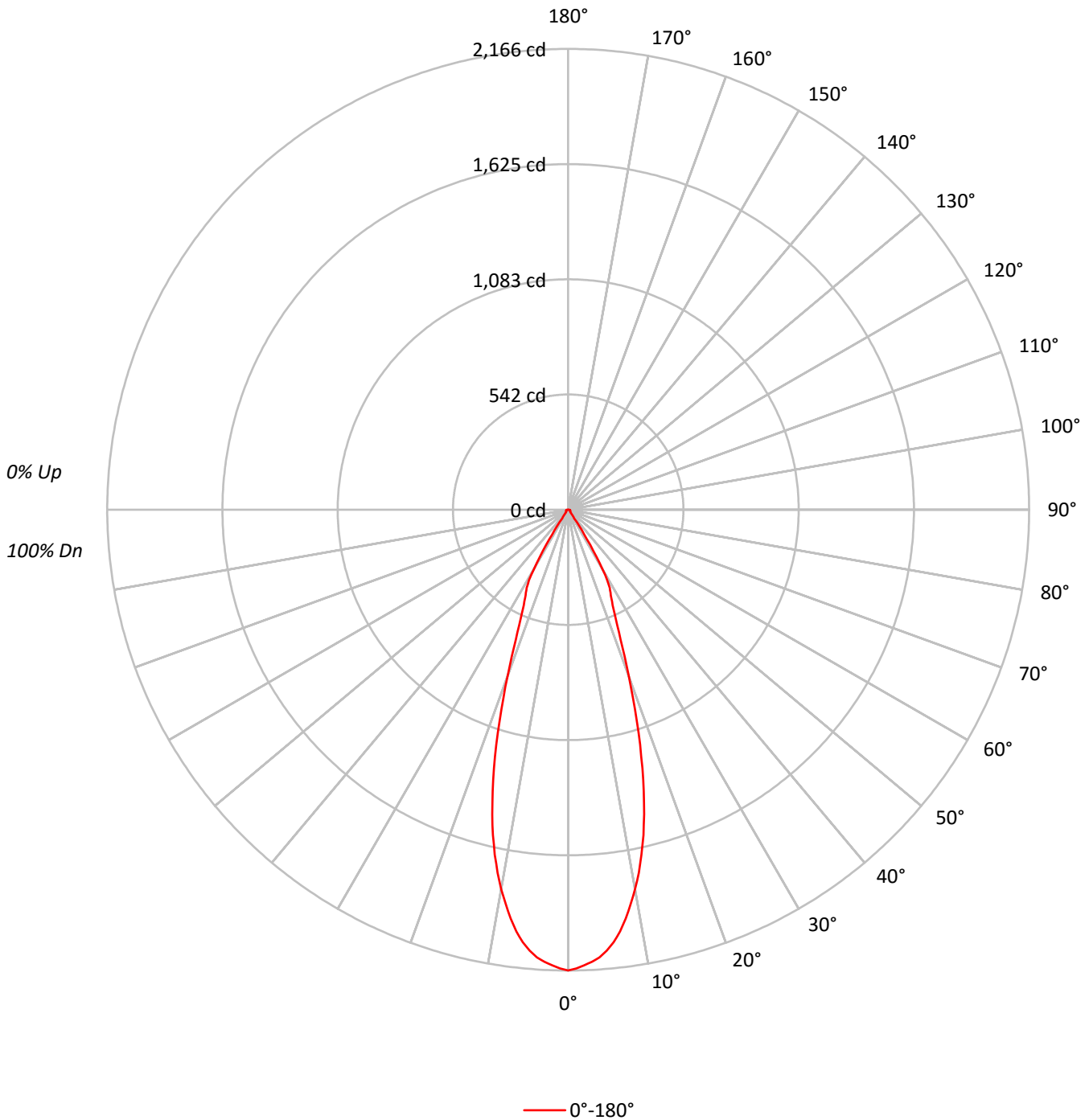
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	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	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

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

	0°
0°	267142
5°	257588
10°	226825
15°	175149
20°	109341
25°	67327
30°	46146
35°	7258
40°	3285
45°	2215
50°	2303
55°	2516
60°	2812
65°	3123
70°	3606
75°	4480
80°	5256
85°	5236



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	21.0
10°-20°	368.3	40.8
20°-30°	238.5	26.4
30°-40°	61.4	6.8
40°-50°	10.5	1.2
50°-60°	10.6	1.2
60°-70°	10.6	1.2
70°-80°	9.6	1.1
80°-90°	4.0	0.4
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°	796.7	88.2
0°-40°	858.1	95.0
0°-60°	879.1	97.3
0°-90°	903.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2166	
5°	2080	190
15°	1372	368
25°	495	238
35°	48	61
45°	13	10
55°	12	11
65°	11	11
75°	9	10
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2165.8
1°	2156.1
2°	2143.4
3°	2128.3
4°	2108.9
5°	2080.4
6°	2044.3
7°	1997.1
8°	1940.5
9°	1877.6
10°	1811.0
11°	1738.0
12°	1657.7
13°	1570.7
14°	1475.3
15°	1371.6
16°	1264.5
17°	1154.3
18°	1043.9
19°	935.1
20°	833.0
21°	739.7
22°	658.3
23°	589.7
24°	535.8
25°	494.7
26°	462.2
27°	437.1
28°	416.0
29°	379.2
30°	324.0
32.5°	162.0
35°	48.2
37.5°	30.8
40°	20.4
42.5°	13.1
45°	12.7
47.5°	12.4
50°	12.0
52.5°	12.0
55°	11.7
57.5°	11.7
60°	11.4
62.5°	11.0
65°	10.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	10.4
70°	10.0
72.5°	9.7
75°	9.4
77.5°	8.4
80°	7.4
82.5°	5.7
85°	3.7
87.5°	1.7
90°	0.0

(END OF REPORT)