

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: P220715

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)  
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]-LED3097-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 779.3 lumens  
Efficiency: N/A  
Efficacy: 79.5 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

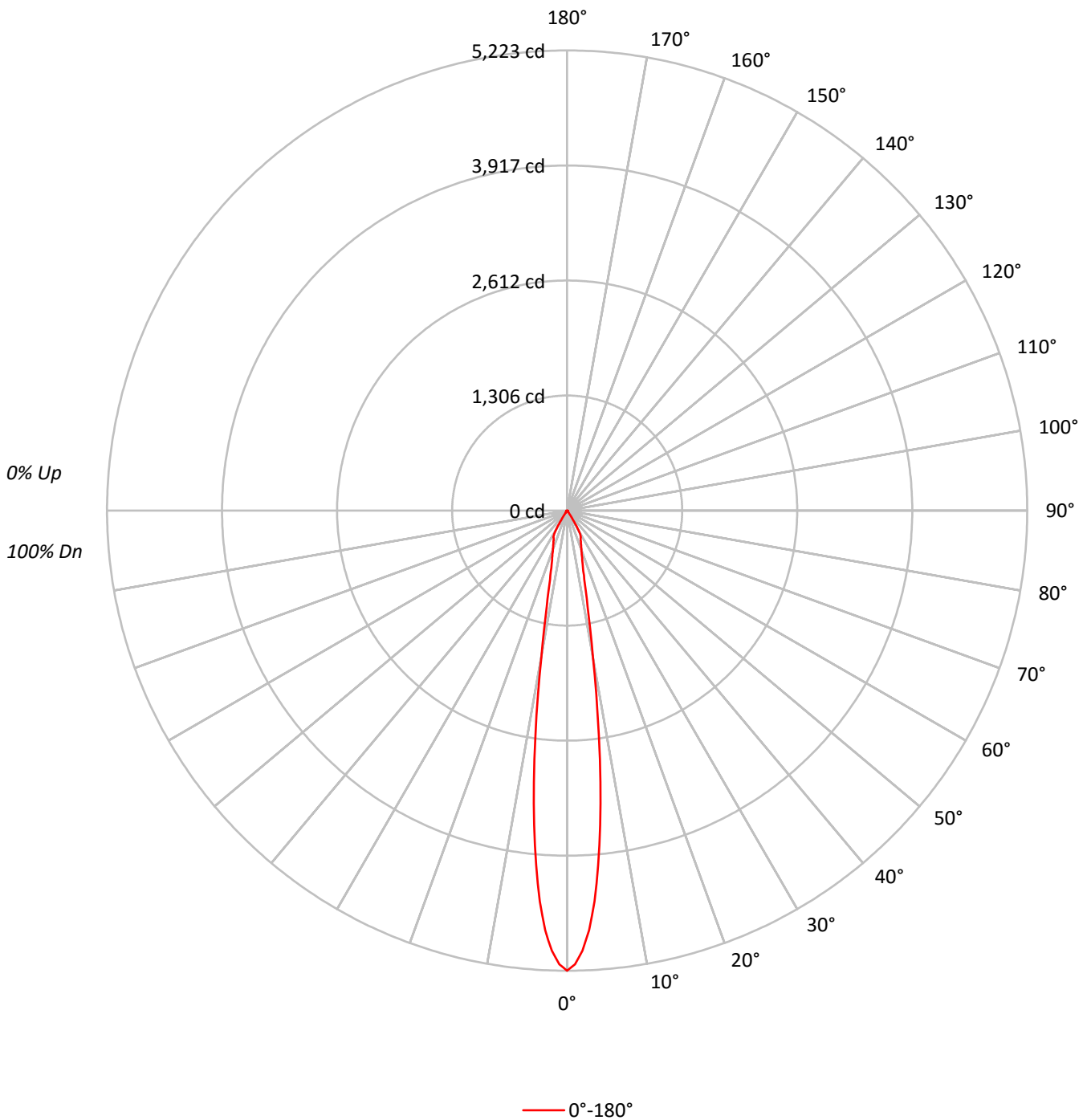
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	644197
5°	500591
10°	212133
15°	90690
20°	61929
25°	49349
30°	36903
35°	4894
40°	2608
45°	1901
50°	2034
55°	2215
60°	2467
65°	2831
70°	3282
75°	3956
80°	4617
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.1	39.1
10°-20°	218.6	28.1
20°-30°	168.7	21.6
30°-40°	46.7	6.0
40°-50°	9.1	1.2
50°-60°	9.2	1.2
60°-70°	9.6	1.2
70°-80°	8.6	1.1
80°-90°	3.6	0.5
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°	692.4	88.9
0°-40°	739.2	94.9
0°-60°	757.5	97.2
0°-90°	779.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5223	
5°	4043	305
15°	710	219
25°	363	169
35°	32	47
45°	11	9
55°	10	9
65°	10	10
75°	8	9
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5222.7
1°	5149.5
2°	4997.9
3°	4767.4
4°	4447.0
5°	4043.0
6°	3586.9
7°	3105.3
8°	2583.9
9°	2111.2
10°	1693.7
11°	1364.7
12°	1115.1
13°	934.5
14°	806.7
15°	710.2
16°	638.5
17°	584.8
18°	542.6
19°	505.7
20°	471.8
22.5°	408.7
25°	362.6
26°	350.8
27°	340.8
28°	328.7
29°	302.4
30°	259.1
32.5°	124.5
35°	32.5
37.5°	20.9
40°	16.2
42.5°	12.1
45°	10.9
47.5°	10.6
50°	10.6
52.5°	10.3
55°	10.3
57.5°	10.3
60°	10.0
62.5°	10.0
65°	9.7
67.5°	9.4
70°	9.1
72.5°	8.9



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	8.3
77.5°	7.7
80°	6.5
82.5°	5.3
85°	3.2
87.5°	1.5
90°	0.0

(END OF REPORT)