

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: P220392

Luminaire Tested: **9002-W1-FL-LED4097-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220392  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED4097-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 862.0 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

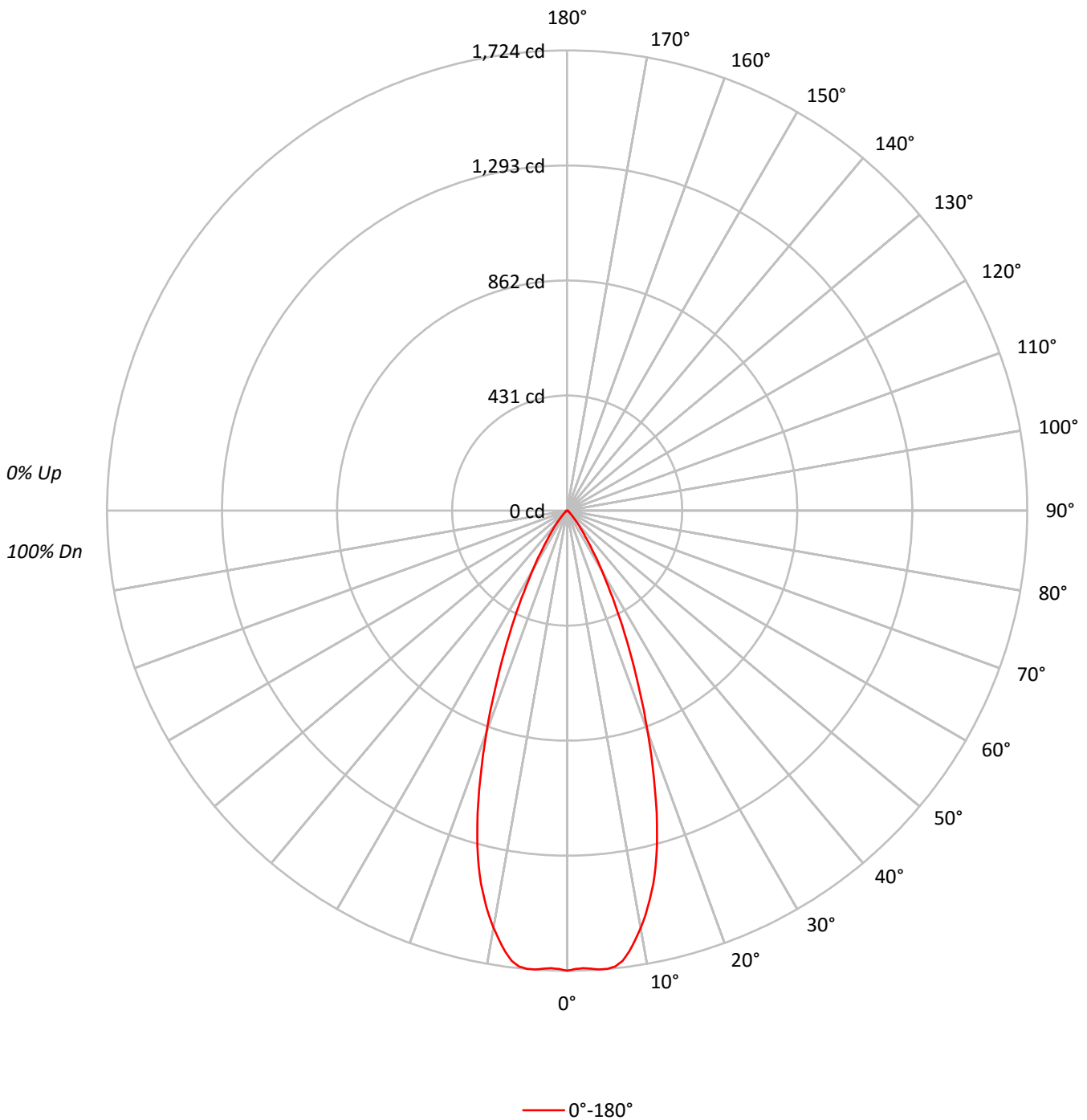
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89		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	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63		70	66	63		69	65	63	61

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

	0°
0°	850389
5°	853637
10°	795072
15°	663406
20°	462773
25°	278452
30°	147155
35°	70771
40°	33813
45°	15699
50°	8980
55°	5763
60°	4934
65°	4903
70°	4760
75°	4766
80°	4830
85°	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.4	18.6
10°-20°	350.4	40.7
20°-30°	237.1	27.5
30°-40°	80.3	9.3
40°-50°	19.7	2.3
50°-60°	6.5	0.8
60°-70°	4.3	0.5
70°-80°	2.6	0.3
80°-90°	0.7	0.1
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°	747.9	86.8
0°-40°	828.2	96.1
0°-60°	854.3	99.1
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1724	
5°	1724	160
15°	1299	350
25°	512	237
35°	118	80
45°	22	20
55°	7	6
65°	4	4
75°	2	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1723.6
1°	1717.8
2°	1715.3
3°	1718.6
4°	1723.6
5°	1723.6
6°	1717.8
7°	1700.3
8°	1667.8
9°	1629.5
10°	1587.0
11°	1542.0
12°	1490.4
13°	1434.5
14°	1371.2
15°	1298.8
16°	1221.3
17°	1138.0
18°	1051.3
19°	968.0
20°	881.4
21°	800.6
22°	721.4
23°	646.5
24°	576.5
25°	511.5
26°	450.7
27°	394.9
28°	344.1
29°	299.1
30°	258.3
32.5°	174.9
35°	117.5
37.5°	79.1
40°	52.5
42.5°	33.3
45°	22.5
47.5°	15.8
50°	11.7
52.5°	8.3
55°	6.7
57.5°	5.8
60°	5.0
62.5°	5.0
65°	4.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.2
70°	3.3
72.5°	3.3
75°	2.5
77.5°	1.7
80°	1.7
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)