

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: P220326

Luminaire Tested: **9002-W1-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-[RW, RI]-LED3097-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 804.1 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

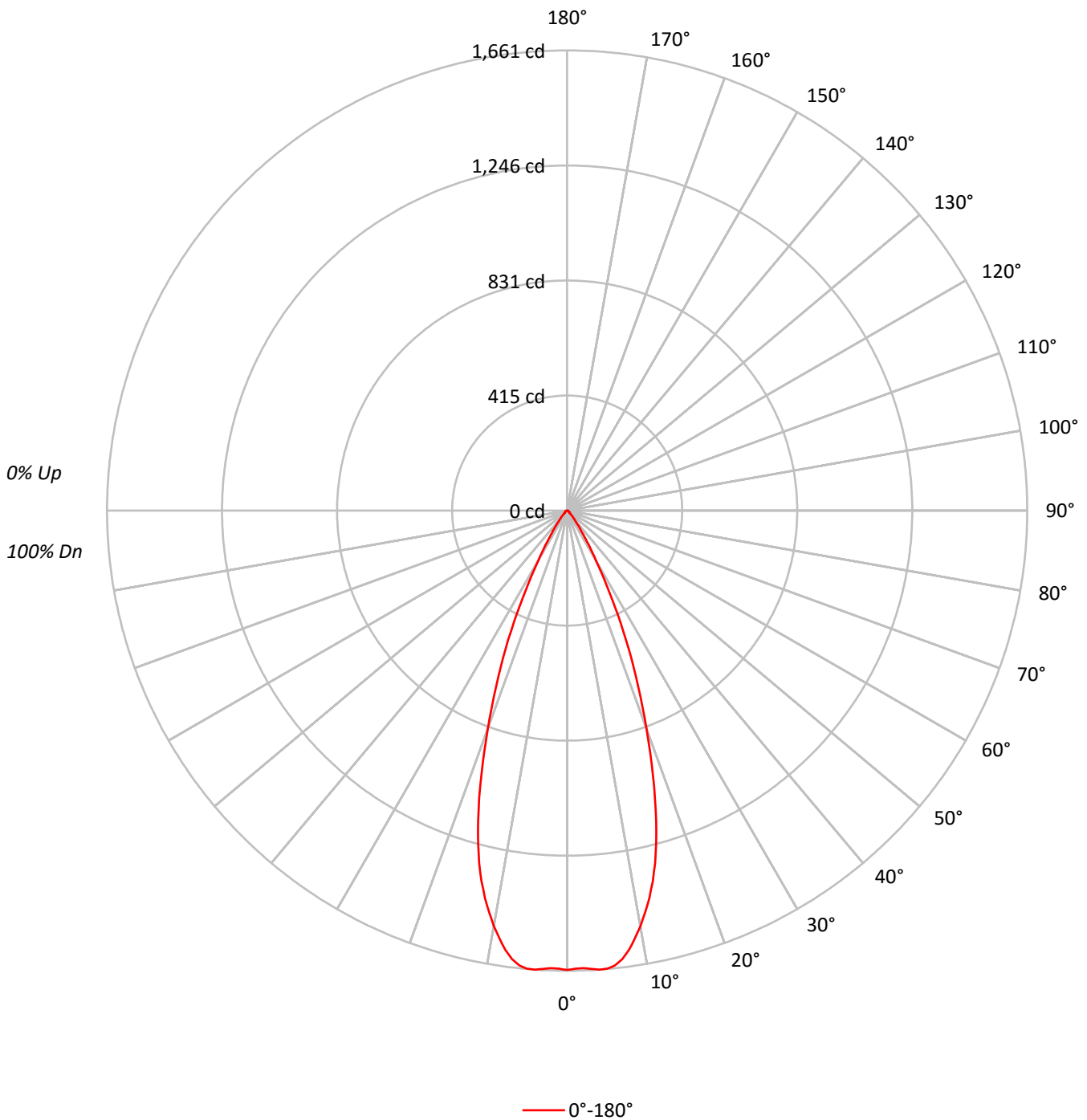
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	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	85	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	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72		79	75	72		78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69		76	72	69		75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66		73	69	66		72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63		70	66	63		69	66	63	62

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

	0°
0°	817974
5°	822287
10°	762859
15°	634956
20°	438884
25°	260324
30°	117986
35°	52581
40°	23895
45°	12420
50°	8290
55°	8000
60°	7598
65°	7238
70°	7790
75°	8769
80°	8808
85°	8491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.1	19.2
10°-20°	334.7	41.6
20°-30°	218.7	27.2
30°-40°	60.5	7.5
40°-50°	15.3	1.9
50°-60°	8.1	1.0
60°-70°	6.4	0.8
70°-80°	4.6	0.6
80°-90°	1.7	0.2
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°	707.5	88.0
0°-40°	768.0	95.5
0°-60°	791.4	98.4
0°-90°	804.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1658	
5°	1660	154
15°	1243	335
25°	478	219
35°	87	60
45°	18	15
55°	9	8
65°	6	6
75°	5	5
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1657.9
1°	1654.1
2°	1652.5
3°	1656.4
4°	1661.0
5°	1660.3
6°	1651.0
7°	1631.7
8°	1601.6
9°	1563.7
10°	1522.7
11°	1477.2
12°	1427.7
13°	1373.6
14°	1311.8
15°	1243.1
16°	1165.8
17°	1084.7
18°	1001.3
19°	918.6
20°	835.9
22.5°	647.4
25°	478.2
26°	415.6
27°	353.1
28°	297.4
29°	247.2
30°	207.1
32.5°	132.1
35°	87.3
37.5°	56.4
40°	37.1
42.5°	25.5
45°	17.8
47.5°	13.1
50°	10.8
52.5°	9.3
55°	9.3
57.5°	8.5
60°	7.7
62.5°	7.0
65°	6.2
67.5°	6.2
70°	5.4
72.5°	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	4.6
77.5°	3.9
80°	3.1
82.5°	2.3
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)