

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: P220421

Luminaire Tested: **9002-W1-FL-LED2797-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED2797-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

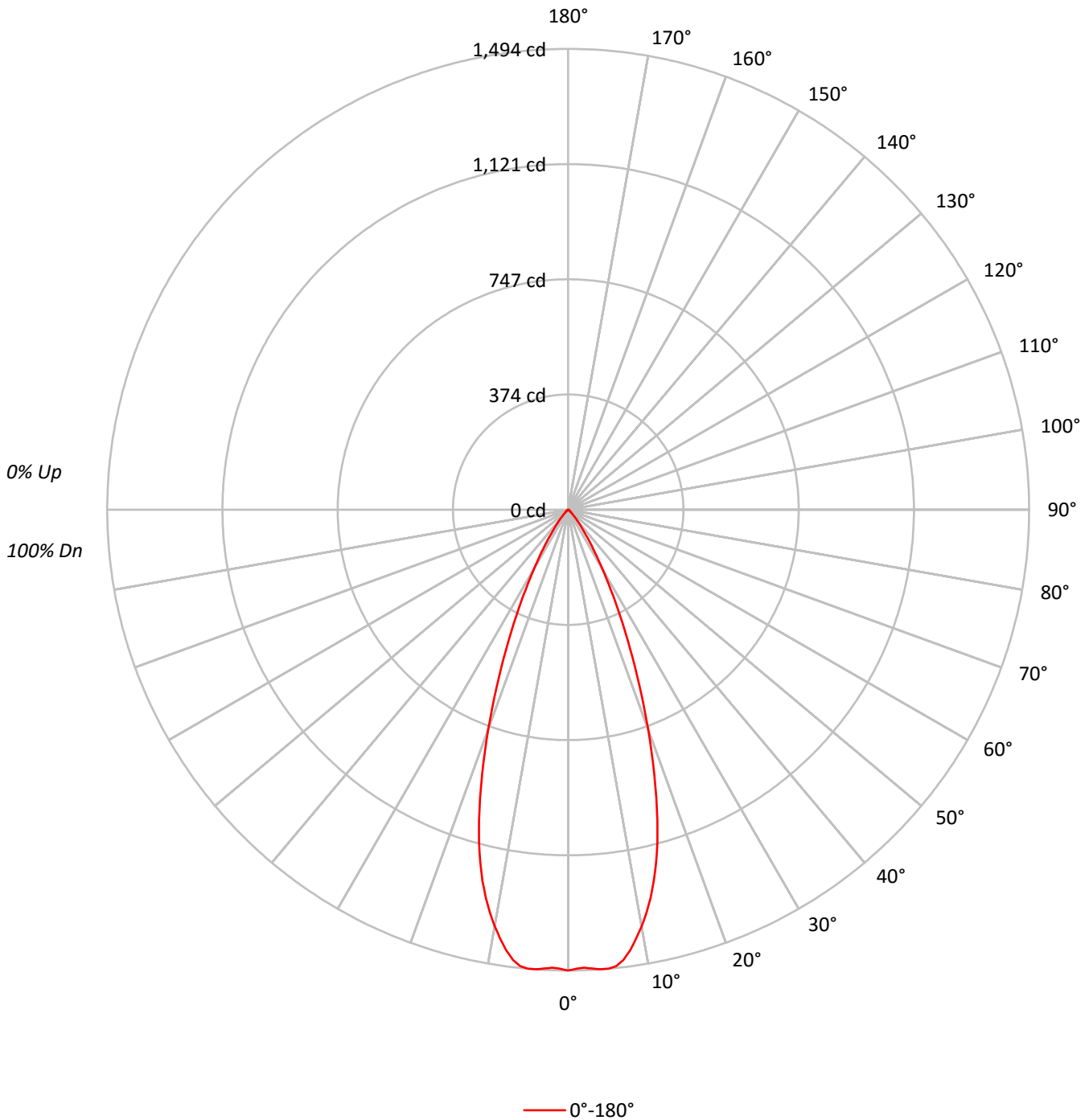
Lumens per Lamp: N/A  
Luminaire Lumens: 732.4 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (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	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88	85	83	82
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75	71	69	68
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	63		69	66	63	62

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

	0°
0°	737010
5°	739826
10°	686908
15°	570239
20°	397090
25°	238059
30°	125791
35°	59990
40°	27888
45°	12071
50°	6064
55°	3097
60°	2171
65°	1634
70°	2020
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	19.0
10°-20°	301.3	41.1
20°-30°	202.9	27.7
30°-40°	68.2	9.3
40°-50°	15.3	2.1
50°-60°	3.8	0.5
60°-70°	1.7	0.2
70°-80°	0.4	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°	643.0	87.8
0°-40°	711.1	97.1
0°-60°	730.3	99.7
0°-90°	732.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1494	
5°	1494	139
15°	1116	301
25°	437	203
35°	100	68
45°	17	15
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1493.8
1°	1488.8
2°	1485.9
3°	1489.5
4°	1493.8
5°	1493.8
6°	1488.0
7°	1470.7
8°	1442.6
9°	1407.9
10°	1371.1
11°	1330.0
12°	1285.2
13°	1234.7
14°	1178.4
15°	1116.4
16°	1047.8
17°	977.1
18°	902.8
19°	829.2
20°	756.3
21°	685.6
22°	617.7
23°	553.5
24°	493.6
25°	437.3
26°	385.4
27°	338.5
28°	294.4
29°	255.5
30°	220.8
32.5°	149.4
35°	99.6
37.5°	66.4
40°	43.3
42.5°	26.7
45°	17.3
47.5°	11.5
50°	7.9
52.5°	5.8
55°	3.6
57.5°	2.9
60°	2.2
62.5°	2.2
65°	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)