

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: P220389

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220389  
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-LED2797-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 746.7 lumens  
Efficiency: N/A  
Efficacy: 74.7 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

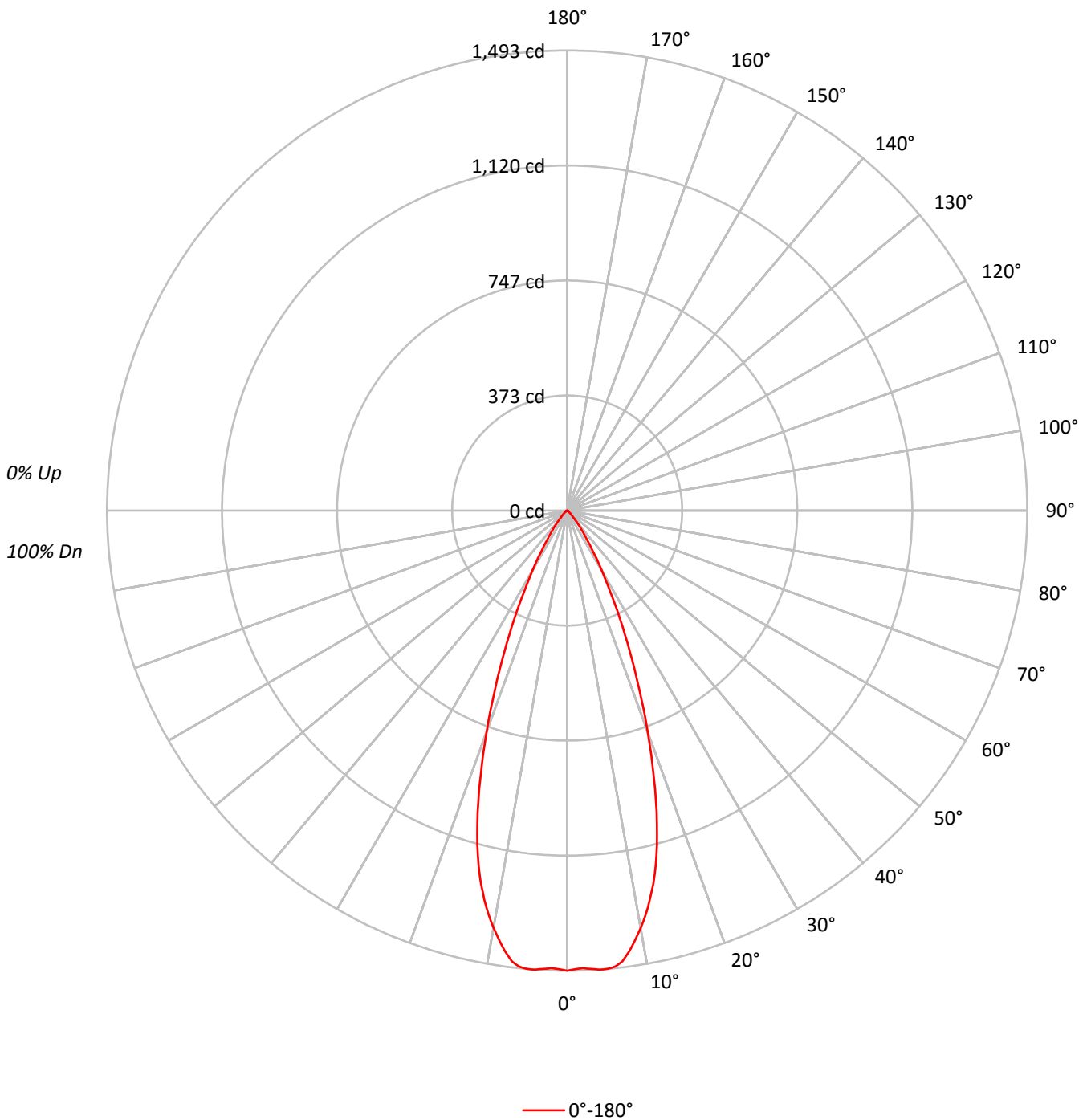
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	736665
5°	739479
10°	688712
15°	574632
20°	400871
25°	241217
30°	127443
35°	61315
40°	29305
45°	13606
50°	7752
55°	4989
60°	4243
65°	4203
70°	4183
75°	4194
80°	3978
85°	3963



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.9	18.6
10°-20°	303.6	40.7
20°-30°	205.3	27.5
30°-40°	69.6	9.3
40°-50°	17.1	2.3
50°-60°	5.6	0.8
60°-70°	3.7	0.5
70°-80°	2.3	0.3
80°-90°	0.6	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°	647.8	86.8
0°-40°	717.4	96.1
0°-60°	740.1	99.1
0°-90°	746.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1493	
5°	1493	139
15°	1125	304
25°	443	205
35°	102	70
45°	20	17
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1493.1
1°	1488.0
2°	1485.9
3°	1488.8
4°	1493.1
5°	1493.1
6°	1488.0
7°	1472.9
8°	1444.7
9°	1411.5
10°	1374.7
11°	1335.8
12°	1291.0
13°	1242.7
14°	1187.8
15°	1125.0
16°	1057.9
17°	985.8
18°	910.7
19°	838.6
20°	763.5
21°	693.5
22°	624.9
23°	560.0
24°	499.4
25°	443.1
26°	390.4
27°	342.1
28°	298.0
29°	259.1
30°	223.7
32.5°	151.5
35°	101.8
37.5°	68.6
40°	45.5
42.5°	28.9
45°	19.5
47.5°	13.7
50°	10.1
52.5°	7.2
55°	5.8
57.5°	5.1
60°	4.3
62.5°	4.3
65°	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.6
70°	2.9
72.5°	2.9
75°	2.2
77.5°	1.4
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)