

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: P220409

Luminaire Tested: **9002-W1-FL-LED2790-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W1-FL-LED2790-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 746.1 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

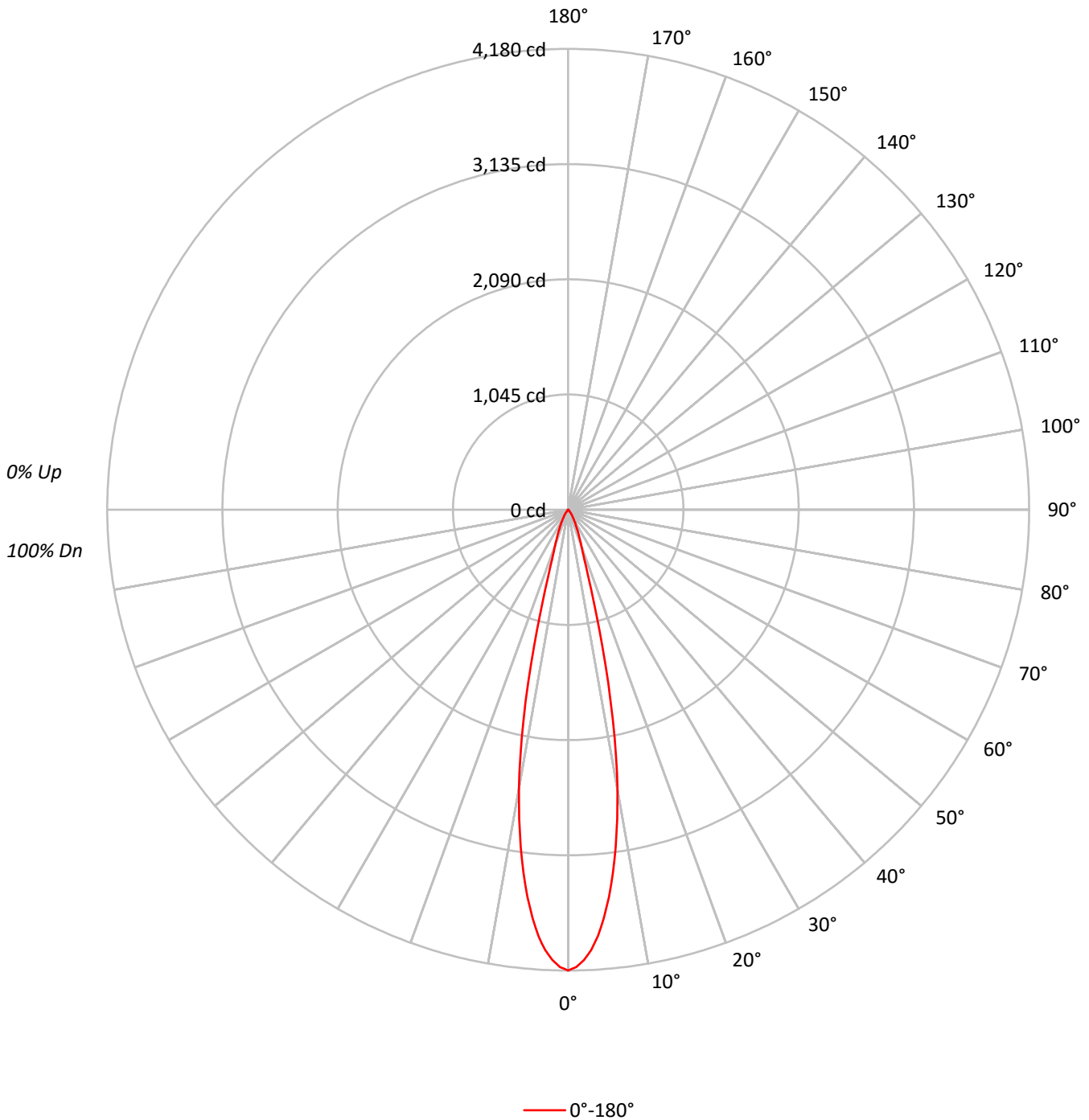
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220409

CATALOG NUMBER: 9002-W1-FL-LED2790-M-BK-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220409

CATALOG NUMBER: 9002-W1-FL-LED2790-M-BK-L1-UNV

**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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	97	95	98	96	94	96	94	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	85	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

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

	0°
0°	2062475
5°	1841541
10°	1286795
15°	503735
20°	181770
25°	101854
30°	57369
35°	30115
40°	10756
45°	5791
50°	3454
55°	1978
60°	1480
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P220409

CATALOG NUMBER: 9002-W1-FL-LED2790-M-BK-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.7	42.6
10°-20°	297.5	39.9
20°-30°	89.2	12.0
30°-40°	31.5	4.2
40°-50°	7.1	0.9
50°-60°	2.2	0.3
60°-70°	0.9	0.1
70°-80°	0.1	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°	704.4	94.4
0°-40°	735.9	98.6
0°-60°	745.1	99.9
0°-90°	746.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4180	
5°	3718	318
15°	986	298
25°	187	89
35°	50	31
45°	8	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220409

CATALOG NUMBER: 9002-W1-FL-LED2790-M-BK-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4180.3
1°	4149.3
2°	4087.9
3°	3997.8
4°	3875.8
5°	3718.3
6°	3531.2
7°	3322.9
8°	3090.4
9°	2837.4
10°	2568.5
11°	2273.8
12°	1949.7
13°	1608.8
14°	1275.5
15°	986.2
16°	754.4
17°	587.0
18°	474.9
19°	399.2
20°	346.2
22.5°	253.7
25°	187.1
26°	165.1
27°	146.2
28°	129.5
29°	114.4
30°	100.7
32.5°	72.7
35°	50.0
37.5°	25.8
40°	16.7
42.5°	12.1
45°	8.3
47.5°	6.1
50°	4.5
52.5°	3.0
55°	2.3
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0



TEST NUMBER: P220409

CATALOG NUMBER: 9002-W1-FL-LED2790-M-BK-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
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)