

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: P220410

Luminaire Tested: **9002-W1-FL-LED3090-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220410  
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-LED3090-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

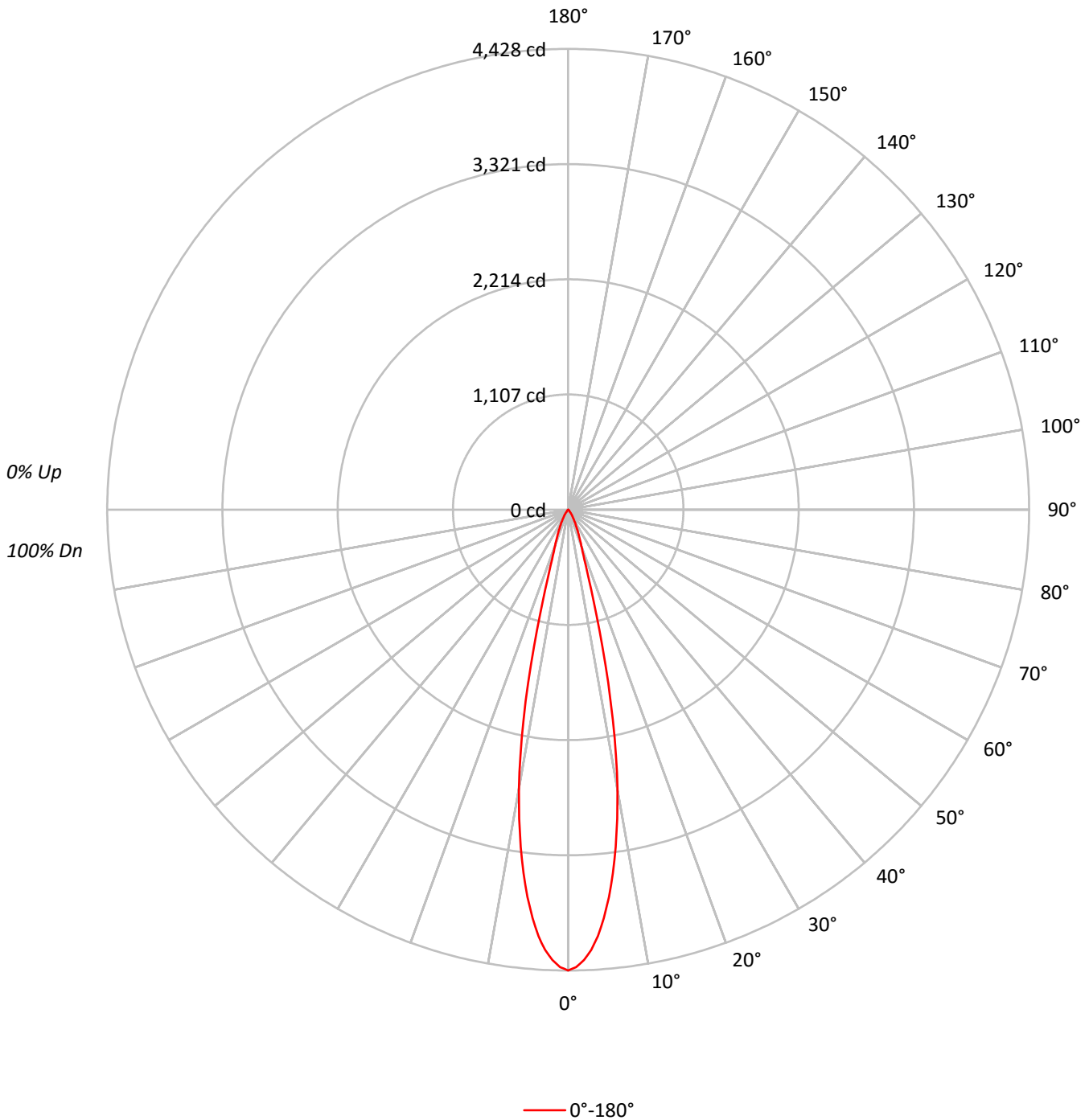
Lumens per Lamp: N/A  
Luminaire Lumens: 790.3 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (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



TEST NUMBER: P220410  
CATALOG NUMBER: 9002-W1-FL-LED3090-M-BK-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220410

CATALOG NUMBER: 9002-W1-FL-LED3090-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	92	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°	2184833
5°	1950747
10°	1363096
15°	533616
20°	192533
25°	107897
30°	60788
35°	31922
40°	11400
45°	6140
50°	3684
55°	2064
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P220410

CATALOG NUMBER: 9002-W1-FL-LED3090-M-BK-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.5	42.6
10°-20°	315.1	39.9
20°-30°	94.5	12.0
30°-40°	33.3	4.2
40°-50°	7.5	0.9
50°-60°	2.3	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°	746.2	94.4
0°-40°	779.5	98.6
0°-60°	789.3	99.9
0°-90°	790.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4428	
5°	3939	337
15°	1045	315
25°	198	95
35°	53	33
45°	9	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220410

CATALOG NUMBER: 9002-W1-FL-LED3090-M-BK-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4428.3
1°	4395.4
2°	4330.4
3°	4234.9
4°	4105.7
5°	3938.8
6°	3740.7
7°	3520.0
8°	3273.7
9°	3005.7
10°	2720.8
11°	2408.7
12°	2065.3
13°	1704.2
14°	1351.2
15°	1044.7
16°	799.2
17°	621.8
18°	503.1
19°	422.8
20°	366.7
22.5°	268.8
25°	198.2
26°	174.9
27°	154.9
28°	137.2
29°	121.2
30°	106.7
32.5°	77.0
35°	53.0
37.5°	27.3
40°	17.7
42.5°	12.8
45°	8.8
47.5°	6.4
50°	4.8
52.5°	3.2
55°	2.4
57.5°	1.6
60°	1.6
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0



TEST NUMBER: P220410

CATALOG NUMBER: 9002-W1-FL-LED3090-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)