

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: P220622

Luminaire Tested: **9003-W1-FL-LED4097-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W1-FL-LED4097-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1417.1 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

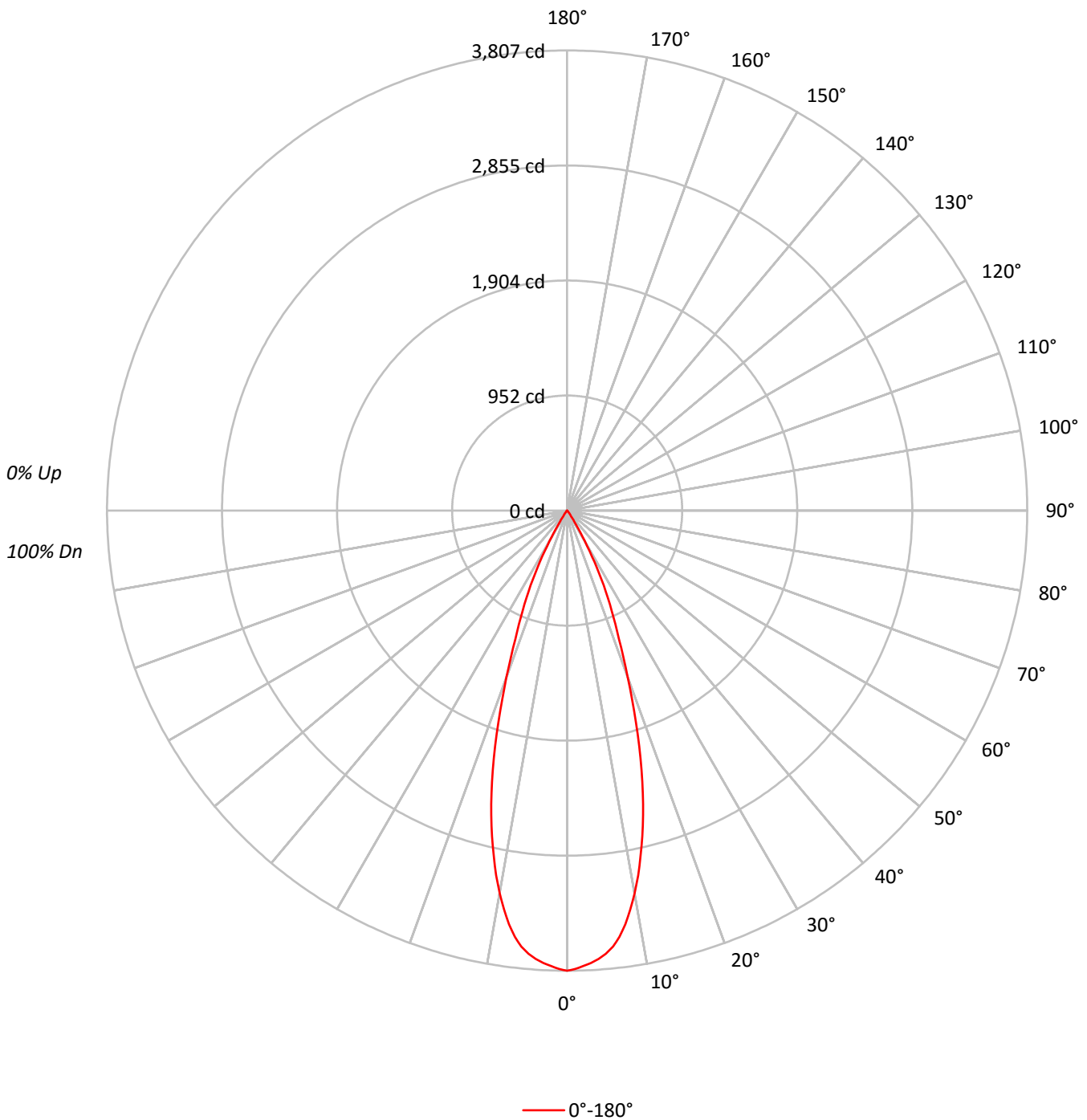
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220622

CATALOG NUMBER: 9003-W1-FL-LED4097-F-WT-L2-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220622

CATALOG NUMBER: 9003-W1-FL-LED4097-F-WT-L2-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 | 112 | 110 | 108 | 112 | 110 | 108 | 107 | 106 | 105 | 104 |  | 103 | 101 | 100 |  | 99  | 98  | 98  | 96  |
| 2   | 110 | 107 | 103 | 101 | 108 | 105 | 102 | 100 | 102 | 99  | 97  |  | 99  | 97  | 95  |  | 96  | 95  | 93  | 92  |
| 3   | 106 | 101 | 98  | 94  | 105 | 100 | 97  | 94  | 98  | 95  | 92  |  | 95  | 93  | 91  |  | 93  | 91  | 89  | 88  |
| 4   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 89  | 94  | 90  | 88  |  | 92  | 89  | 87  |  | 90  | 88  | 86  | 85  |
| 5   | 99  | 93  | 88  | 85  | 98  | 92  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 83  |  | 87  | 85  | 82  | 81  |
| 6   | 96  | 89  | 84  | 81  | 95  | 88  | 84  | 81  | 87  | 83  | 80  |  | 86  | 82  | 80  |  | 84  | 82  | 79  | 78  |
| 7   | 93  | 85  | 81  | 78  | 91  | 85  | 81  | 77  | 84  | 80  | 77  |  | 83  | 79  | 77  |  | 82  | 79  | 76  | 75  |
| 8   | 90  | 82  | 78  | 75  | 89  | 82  | 77  | 74  | 81  | 77  | 74  |  | 80  | 76  | 74  |  | 79  | 76  | 74  | 72  |
| 9   | 87  | 79  | 75  | 72  | 86  | 79  | 75  | 72  | 78  | 74  | 71  |  | 77  | 74  | 71  |  | 77  | 73  | 71  | 70  |
| 10  | 84  | 77  | 72  | 69  | 83  | 76  | 72  | 69  | 75  | 72  | 69  |  | 75  | 71  | 69  |  | 74  | 71  | 69  | 68  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 834736 |
| 5°  | 810013 |
| 10° | 716086 |
| 15° | 549901 |
| 20° | 342306 |
| 25° | 193003 |
| 30° | 73277  |
| 35° | 15714  |
| 40° | 6126   |
| 45° | 1954   |
| 50° | 1637   |
| 55° | 1223   |
| 60° | 1053   |
| 65° | 1245   |
| 70° | 1026   |
| 75° | 1356   |
| 80° | 1010   |
| 85° | 0      |



TEST NUMBER: P220622

CATALOG NUMBER: 9003-W1-FL-LED4097-F-WT-L2-UNV

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 336.8  | 23.8      |
| 10°-20°   | 650.0  | 45.9      |
| 20°-30°   | 362.5  | 25.6      |
| 30°-40°   | 54.8   | 3.9       |
| 40°-50°   | 6.1    | 0.4       |
| 50°-60°   | 3.1    | 0.2       |
| 60°-70°   | 2.1    | 0.1       |
| 70°-80°   | 1.4    | 0.1       |
| 80°-90°   | 0.3    | 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°    | 1349.3 | 95.2      |
| 0°-40°    | 1404.1 | 99.1      |
| 0°-60°    | 1413.3 | 99.7      |
| 0°-90°    | 1417.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1417.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3807 |      |
| 5°  | 3680 | 337  |
| 15° | 2422 | 650  |
| 25° | 798  | 362  |
| 35° | 59   | 55   |
| 45° | 6    | 6    |
| 55° | 3    | 3    |
| 65° | 2    | 2    |
| 75° | 2    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |



TEST NUMBER: P220622

CATALOG NUMBER: 9003-W1-FL-LED4097-F-WT-L2-UNV

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3806.7 |
| 1°    | 3793.3 |
| 2°    | 3771.1 |
| 3°    | 3748.1 |
| 4°    | 3718.7 |
| 5°    | 3679.9 |
| 6°    | 3627.5 |
| 7°    | 3552.2 |
| 8°    | 3455.5 |
| 9°    | 3341.3 |
| 10°   | 3216.0 |
| 11°   | 3075.7 |
| 12°   | 2923.4 |
| 13°   | 2765.7 |
| 14°   | 2596.8 |
| 15°   | 2422.3 |
| 16°   | 2233.6 |
| 17°   | 2038.6 |
| 18°   | 1840.3 |
| 19°   | 1650.8 |
| 20°   | 1466.9 |
| 21°   | 1296.4 |
| 22°   | 1145.7 |
| 23°   | 1018.9 |
| 24°   | 908.7  |
| 25°   | 797.7  |
| 26°   | 689.0  |
| 27°   | 583.6  |
| 28°   | 481.3  |
| 29°   | 383.0  |
| 30°   | 289.4  |
| 32.5° | 115.8  |
| 35°   | 58.7   |
| 37.5° | 36.5   |
| 40°   | 21.4   |
| 42.5° | 7.9    |
| 45°   | 6.3    |
| 47.5° | 4.8    |
| 50°   | 4.8    |
| 52.5° | 4.0    |
| 55°   | 3.2    |
| 57.5° | 3.2    |
| 60°   | 2.4    |
| 62.5° | 2.4    |
| 65°   | 2.4    |



TEST NUMBER: P220622

CATALOG NUMBER: 9003-W1-FL-LED4097-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 67.5° | 1.6 |
| 70°   | 1.6 |
| 72.5° | 1.6 |
| 75°   | 1.6 |
| 77.5° | 0.8 |
| 80°   | 0.8 |
| 82.5° | 0.8 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)