

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: P246958

Luminaire Tested: **203-FL-8LED3025-12-BK-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246958  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-FL-8LED3025-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

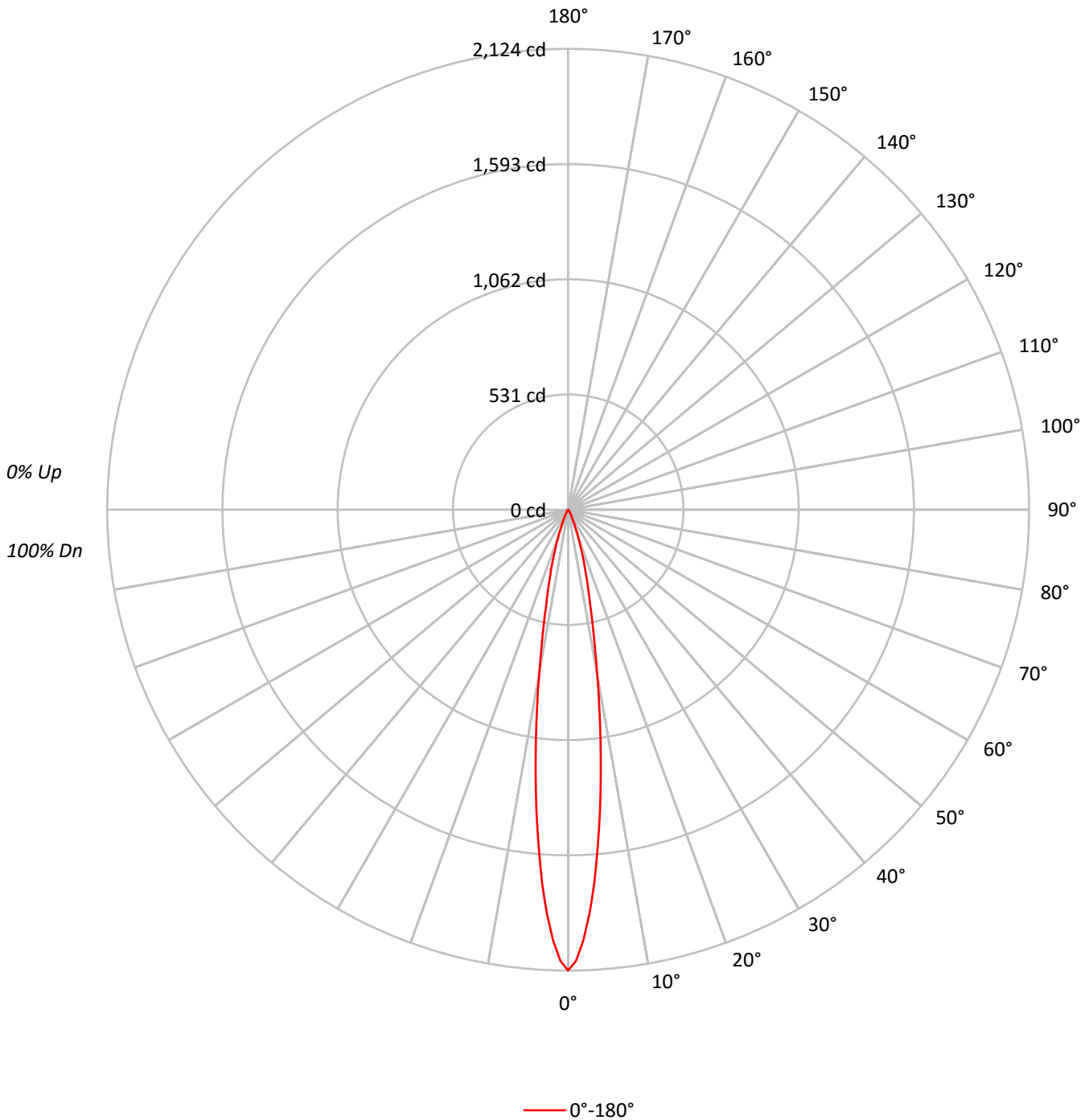
Lumens per Lamp: N/A  
Luminaire Lumens: 253.5 lumens  
Efficiency: N/A  
Efficacy: 32.5 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.29  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.8  
Input Voltage (V): NR  
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  |     |     |     |     |     |     |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |     |     |     |     |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 111 | 106 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 105 | 104 | 103 | 102 | 102 | 100 | 100 | 99  | 99  | 97  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 100 | 100 | 101 | 100 | 98  | 98  | 99  | 97  | 96  | 96  | 95  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 103 | 101 | 98  | 101 | 99  | 97  | 97  | 99  | 97  | 95  | 95  | 97  | 95  | 94  | 94  | 93  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 98  | 96  | 93  | 93  | 97  | 94  | 92  | 92  | 95  | 93  | 91  | 91  | 90  | 90  | 90  | 90  |
| 5   | 103 | 98  | 95  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 91  | 94  | 92  | 90  | 90  | 93  | 91  | 89  | 89  | 88  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 91  | 88  | 88  | 92  | 90  | 88  | 88  | 91  | 89  | 87  | 87  | 86  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 92  | 89  | 87  | 91  | 88  | 86  | 86  | 90  | 88  | 86  | 86  | 90  | 87  | 85  | 85  | 84  | 84  | 84  | 84  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 84  | 89  | 86  | 84  | 84  | 89  | 86  | 84  | 84  | 88  | 85  | 84  | 84  | 83  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 82  | 87  | 84  | 82  | 82  | 86  | 84  | 82  | 82  | 81  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 81  | 85  | 82  | 81  | 81  | 85  | 82  | 80  | 80  | 80  | 80  | 80  | 80  |

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

| 0°  |         |
|-----|---------|
| 0°  | 1047938 |
| 5°  | 773603  |
| 10° | 386414  |
| 15° | 167077  |
| 20° | 72614   |
| 25° | 27491   |
| 30° | 10084   |
| 35° | 4818    |
| 40° | 2834    |
| 45° | 1256    |
| 50° | 691     |
| 55° | 774     |
| 60° | 0       |
| 65° | 0       |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 122.9  | 48.5      |
| 10°-20°   | 95.9   | 37.8      |
| 20°-30°   | 26.7   | 10.5      |
| 30°-40°   | 5.6    | 2.2       |
| 40°-50°   | 1.7    | 0.7       |
| 50°-60°   | 0.7    | 0.3       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 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°    | 245.4  | 96.8      |
| 0°-40°    | 251.0  | 99.1      |
| 0°-60°    | 253.5  | 100.0     |
| 0°-90°    | 253.5  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 253.5  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2124 |      |
| 5°  | 1562 | 123  |
| 15° | 327  | 96   |
| 25° | 50   | 27   |
| 35° | 8    | 6    |
| 45° | 2    | 2    |
| 55° | 1    | 1    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 2124.0 |
| 1°    | 2078.8 |
| 2°    | 1987.5 |
| 3°    | 1866.1 |
| 4°    | 1723.3 |
| 5°    | 1562.0 |
| 6°    | 1397.1 |
| 7°    | 1231.3 |
| 8°    | 1067.3 |
| 9°    | 914.9  |
| 10°   | 771.3  |
| 11°   | 643.6  |
| 12°   | 537.2  |
| 13°   | 451.2  |
| 14°   | 383.9  |
| 15°   | 327.1  |
| 17.5° | 219.0  |
| 20°   | 138.3  |
| 22.5° | 83.3   |
| 25°   | 50.5   |
| 27.5° | 31.9   |
| 30°   | 17.7   |
| 32.5° | 11.5   |
| 35°   | 8.0    |
| 37.5° | 6.2    |
| 40°   | 4.4    |
| 42.5° | 2.7    |
| 45°   | 1.8    |
| 47.5° | 1.8    |
| 50°   | 0.9    |
| 52.5° | 0.9    |
| 55°   | 0.9    |
| 57.5° | 0.9    |
| 60°   | 0.0    |
| 62.5° | 0.0    |
| 65°   | 0.0    |
| 67.5° | 0.0    |
| 70°   | 0.0    |
| 72.5° | 0.0    |
| 75°   | 0.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)