

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: G2-1802-569-46

Luminaire Tested: **203-SS-8LED4036-12-CS-LVR**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-46  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/06/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED4036-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

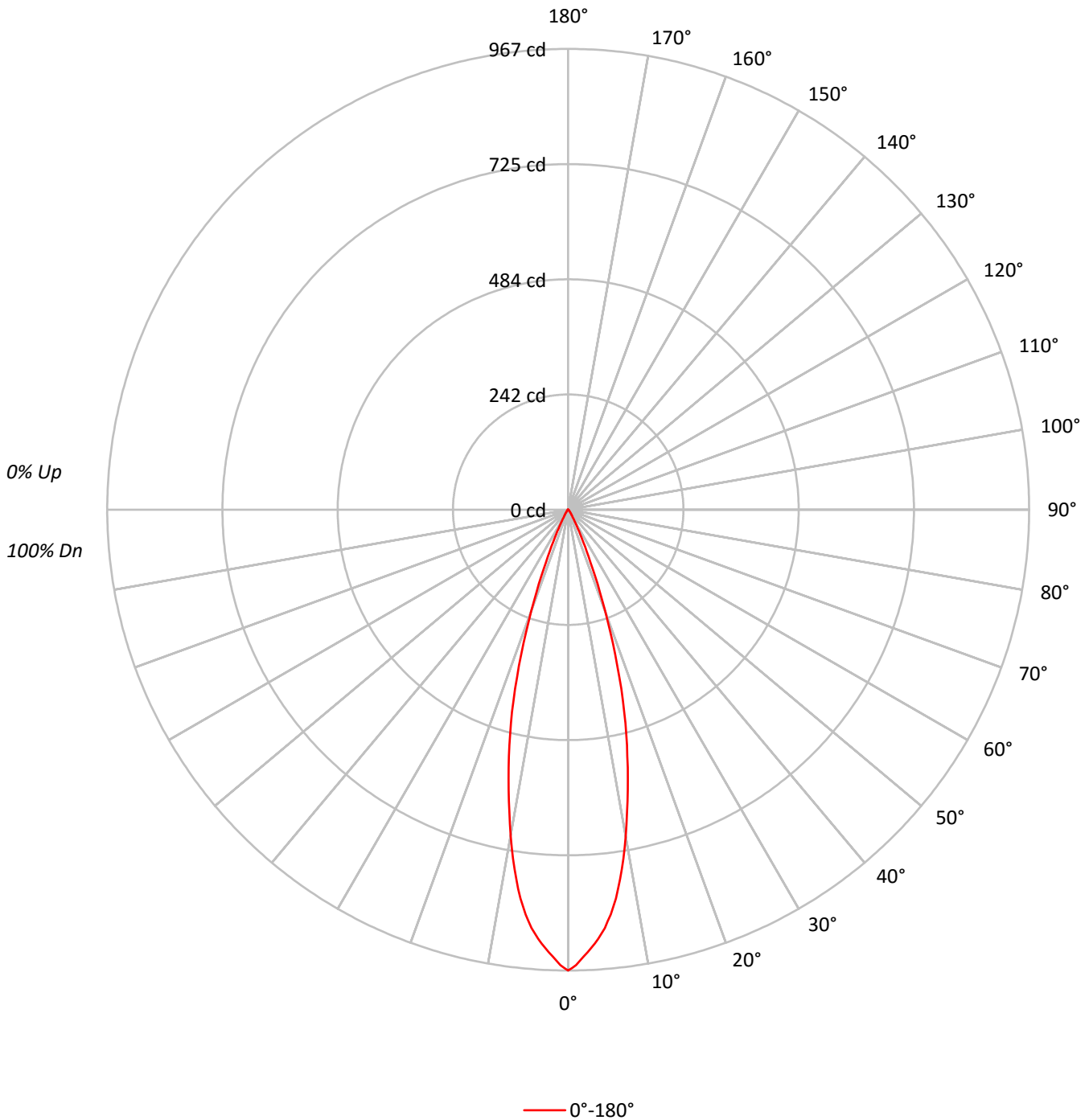
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 251.8 lumens  
Efficiency: N/A  
Efficacy: 33.1 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.6  
Input Voltage (V): 12.0  
Input Current (Ain): 0.669  
Voltage Rise (V): NR  
Power Factor: 0.9904  
Total Harmonic Distortion (THDi): 27.4%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.2  
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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 99  | 100 | 98  | 96  | 97  | 96  | 95  | 93  |
| 3   | 107 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 91  | 90  |
| 4   | 104 | 99  | 95  | 92  | 102 | 98  | 94  | 91  | 96  | 92  | 90  | 94  | 91  | 89  | 92  | 90  | 88  | 87  |
| 5   | 101 | 95  | 91  | 88  | 99  | 94  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 84  |
| 6   | 98  | 92  | 87  | 84  | 97  | 91  | 87  | 84  | 89  | 86  | 83  | 88  | 85  | 83  | 87  | 84  | 82  | 81  |
| 7   | 95  | 88  | 84  | 81  | 94  | 88  | 84  | 81  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 79  |
| 8   | 92  | 86  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 78  | 82  | 80  | 77  | 76  |
| 9   | 90  | 83  | 79  | 76  | 89  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  |
| 10  | 87  | 81  | 76  | 74  | 87  | 80  | 76  | 74  | 80  | 76  | 73  | 79  | 76  | 73  | 78  | 75  | 73  | 72  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 477098 |
| 5°  | 436328 |
| 10° | 348189 |
| 15° | 237004 |
| 20° | 118660 |
| 25° | 40829  |
| 30° | 12534  |
| 35° | 6023   |
| 40° | 3220   |
| 45° | 2093   |
| 50° | 768    |
| 55° | 860    |
| 60° | 987    |
| 65° | 0      |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 78.2   | 31.1      |
| 10°-20°   | 123.5  | 49.1      |
| 20°-30°   | 39.5   | 15.7      |
| 30°-40°   | 6.8    | 2.7       |
| 40°-50°   | 2.3    | 0.9       |
| 50°-60°   | 0.9    | 0.4       |
| 60°-70°   | 0.6    | 0.2       |
| 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°    | 241.2  | 95.8      |
| 0°-40°    | 248.0  | 98.5      |
| 0°-60°    | 251.2  | 99.8      |
| 0°-90°    | 251.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 251.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 967 |      |
| 5°  | 881 | 78   |
| 15° | 464 | 124  |
| 25° | 75  | 39   |
| 35° | 10  | 7    |
| 45° | 3   | 2    |
| 55° | 1   | 1    |
| 65° | 0   | 1    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |     |
|-------|-----|
| 0°    | 967 |
| 1°    | 956 |
| 2°    | 938 |
| 3°    | 921 |
| 4°    | 903 |
| 5°    | 881 |
| 6°    | 854 |
| 7°    | 822 |
| 8°    | 783 |
| 9°    | 741 |
| 10°   | 695 |
| 11°   | 647 |
| 12°   | 601 |
| 13°   | 555 |
| 14°   | 509 |
| 15°   | 464 |
| 16°   | 417 |
| 17°   | 367 |
| 18°   | 319 |
| 19°   | 271 |
| 20°   | 226 |
| 21°   | 186 |
| 22°   | 150 |
| 23°   | 120 |
| 24°   | 95  |
| 25°   | 75  |
| 26°   | 57  |
| 27°   | 45  |
| 28°   | 35  |
| 29°   | 27  |
| 30°   | 22  |
| 32.5° | 14  |
| 35°   | 10  |
| 37.5° | 7   |
| 40°   | 5   |
| 42.5° | 4   |
| 45°   | 3   |
| 47.5° | 2   |
| 50°   | 1   |
| 52.5° | 1   |
| 55°   | 1   |
| 57.5° | 1   |
| 60°   | 1   |
| 62.5° | 1   |
| 65°   | 0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0° |
|-------|----|
| 67.5° | 1  |
| 70°   | 0  |
| 72.5° | 0  |
| 75°   | 0  |
| 77.5° | 0  |
| 80°   | 0  |
| 82.5° | 0  |
| 85°   | 0  |
| 87.5° | 0  |
| 90°   | 0  |

(END OF REPORT)