

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: P246980

Luminaire Tested: **203-SS-8LED3025-12-CS-LSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246980  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-41)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3025-12-CS-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

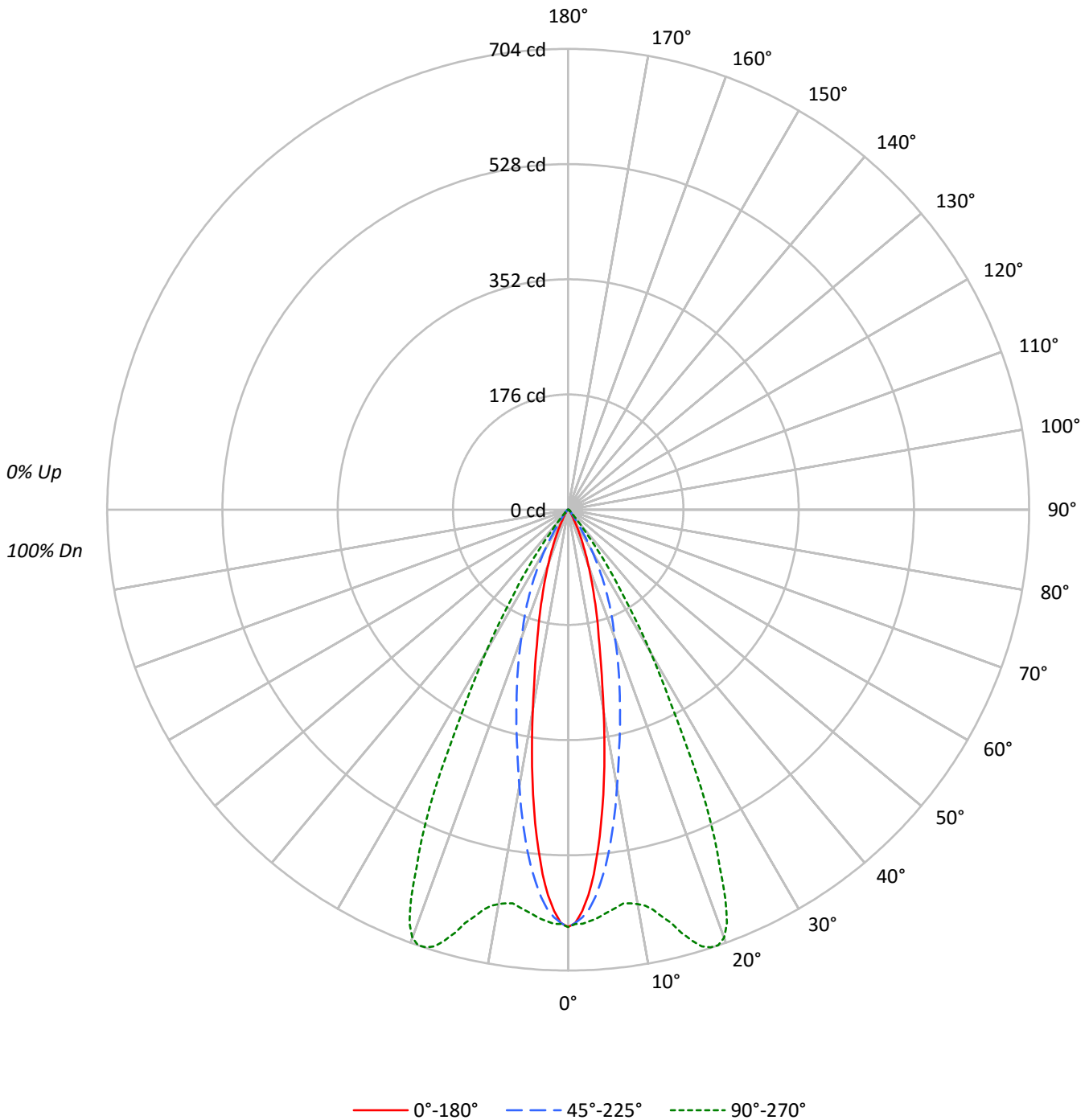
Lumens per Lamp: N/A  
Luminaire Lumens: 276.7 lumens  
Efficiency: N/A  
Efficacy: 37.4 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.58  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.4  
Input Voltage (V): NR  
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



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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   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 101 | 99  | 98  | 97  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 90  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 88  | 86  | 85  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 87  | 84  | 89  | 85  | 83  | 87  | 84  | 82  | 80  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  | 85  | 81  | 78  | 83  | 80  | 78  | 76  |
| 6   | 92  | 84  | 79  | 76  | 91  | 84  | 79  | 75  | 82  | 78  | 75  | 81  | 77  | 74  | 80  | 76  | 74  | 73  |
| 7   | 89  | 81  | 75  | 72  | 87  | 80  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 71  | 76  | 73  | 70  | 69  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 73  | 70  | 67  | 66  |
| 9   | 82  | 73  | 68  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 64  | 71  | 67  | 64  | 63  |
| 10  | 79  | 70  | 65  | 62  | 78  | 70  | 65  | 62  | 69  | 65  | 62  | 69  | 64  | 62  | 68  | 64  | 61  | 60  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 314480 | 314480 | 314480 |
| 5°  | 258181 | 282746 | 307311 |
| 10° | 155908 | 215376 | 306456 |
| 15° | 86476  | 155789 | 341868 |
| 20° | 46991  | 109839 | 365378 |
| 25° | 23191  | 74308  | 272192 |
| 30° | 9115   | 41418  | 142939 |
| 35° | 5903   | 14937  | 60893  |
| 40° | 3993   | 6312   | 15393  |
| 45° | 3070   | 3698   | 5582   |
| 50° | 2686   | 3377   | 4068   |
| 55° | 2322   | 2322   | 3011   |
| 60° | 1776   | 1776   | 2664   |
| 65° | 1051   | 2101   | 2101   |
| 70° | 1298   | 1298   | 1298   |
| 75° | 1716   | 1716   | 1716   |
| 80° | 0      | 0      | 2557   |
| 85° | 0      | 0      | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.4   | 18.2      |
| 10°-20°   | 101.2  | 36.6      |
| 20°-30°   | 87.2   | 31.5      |
| 30°-40°   | 27.8   | 10.0      |
| 40°-50°   | 5.0    | 1.8       |
| 50°-60°   | 2.7    | 1.0       |
| 60°-70°   | 1.4    | 0.5       |
| 70°-80°   | 0.8    | 0.3       |
| 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°    | 238.8  | 86.3      |
| 0°-40°    | 266.6  | 96.4      |
| 0°-60°    | 274.4  | 99.2      |
| 0°-90°    | 276.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 276.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 637 | 637   | 637 | 637   | 637 |      |
| 5°  | 521 | 541   | 571 | 607   | 620 | 43   |
| 15° | 169 | 206   | 305 | 515   | 669 | 47   |
| 25° | 43  | 59    | 136 | 308   | 500 | 20   |
| 35° | 10  | 12    | 25  | 73    | 101 | 6    |
| 45° | 4   | 4     | 5   | 7     | 8   | 3    |
| 55° | 3   | 3     | 3   | 4     | 4   | 2    |
| 65° | 1   | 1     | 2   | 2     | 2   | 1    |
| 75° | 1   | 1     | 1   | 1     | 1   | 1    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 637.4 | 637.4 | 637.4 | 637.4 | 637.4 |
| 1°    | 631.2 | 632.1 | 631.2 | 633.0 | 633.0 |
| 2°    | 613.5 | 617.9 | 623.2 | 631.2 | 633.0 |
| 3°    | 589.5 | 597.5 | 610.8 | 625.0 | 629.4 |
| 4°    | 558.5 | 571.8 | 593.1 | 617.0 | 625.9 |
| 5°    | 521.3 | 540.8 | 570.9 | 607.2 | 620.5 |
| 6°    | 481.4 | 504.4 | 547.0 | 596.6 | 616.1 |
| 7°    | 438.8 | 466.3 | 519.5 | 585.1 | 611.7 |
| 8°    | 396.3 | 426.4 | 490.2 | 570.9 | 607.2 |
| 9°    | 351.9 | 386.5 | 460.1 | 556.7 | 609.0 |
| 10°   | 311.2 | 348.4 | 429.9 | 547.0 | 611.7 |
| 11°   | 273.9 | 312.0 | 401.6 | 537.2 | 616.1 |
| 12°   | 242.0 | 281.0 | 374.1 | 530.1 | 625.0 |
| 13°   | 211.9 | 252.7 | 350.2 | 524.8 | 638.3 |
| 14°   | 188.8 | 227.8 | 327.1 | 520.4 | 650.7 |
| 15°   | 169.3 | 205.7 | 305.0 | 515.1 | 669.3 |
| 16°   | 149.8 | 185.3 | 284.6 | 509.7 | 684.4 |
| 17°   | 132.1 | 167.5 | 265.9 | 502.6 | 697.7 |
| 18°   | 117.9 | 149.8 | 246.4 | 492.0 | 703.0 |
| 19°   | 101.9 | 132.1 | 227.8 | 479.6 | 703.9 |
| 20°   | 89.5  | 116.1 | 209.2 | 462.8 | 695.9 |
| 21°   | 78.0  | 101.9 | 192.4 | 442.4 | 676.4 |
| 22°   | 67.4  | 89.5  | 179.1 | 414.9 | 640.9 |
| 23°   | 57.6  | 78.0  | 164.9 | 384.7 | 592.2 |
| 24°   | 49.6  | 68.3  | 150.7 | 344.8 | 549.6 |
| 25°   | 42.6  | 59.4  | 136.5 | 308.5 | 500.0 |
| 26°   | 35.5  | 50.5  | 123.2 | 275.7 | 442.4 |
| 27°   | 28.4  | 42.6  | 109.9 | 243.8 | 380.3 |
| 28°   | 23.0  | 34.6  | 96.6  | 213.6 | 330.7 |
| 29°   | 18.6  | 28.4  | 84.2  | 186.2 | 289.0 |
| 30°   | 16.0  | 23.0  | 72.7  | 164.9 | 250.9 |
| 32.5° | 12.4  | 15.1  | 44.3  | 116.1 | 160.5 |
| 35°   | 9.8   | 11.5  | 24.8  | 72.7  | 101.1 |
| 37.5° | 7.1   | 8.0   | 15.1  | 36.3  | 47.0  |
| 40°   | 6.2   | 7.1   | 9.8   | 17.7  | 23.9  |
| 42.5° | 5.3   | 5.3   | 7.1   | 9.8   | 12.4  |
| 45°   | 4.4   | 4.4   | 5.3   | 7.1   | 8.0   |
| 47.5° | 3.5   | 3.5   | 4.4   | 5.3   | 6.2   |
| 50°   | 3.5   | 3.5   | 4.4   | 4.4   | 5.3   |
| 52.5° | 2.7   | 3.5   | 3.5   | 3.5   | 3.5   |
| 55°   | 2.7   | 2.7   | 2.7   | 3.5   | 3.5   |
| 57.5° | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   |
| 60°   | 1.8   | 1.8   | 1.8   | 2.7   | 2.7   |
| 62.5° | 0.9   | 1.8   | 1.8   | 1.8   | 1.8   |
| 65°   | 0.9   | 0.9   | 1.8   | 1.8   | 1.8   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 22.5° | 45° | 67.5° | 90° |
|-------|-----|-------|-----|-------|-----|
| 67.5° | 0.9 | 0.9   | 0.9 | 0.9   | 1.8 |
| 70°   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 72.5° | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 75°   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 77.5° | 0.0 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.0 | 0.0   | 0.0 | 0.9   | 0.9 |
| 82.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 85°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 87.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 90°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)