

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: P247007

Luminaire Tested: **203-FL-8LED2736-12-BK-OSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247007  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-23)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-FL-8LED2736-12-BK-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
FLUSH HOOD BLACK, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

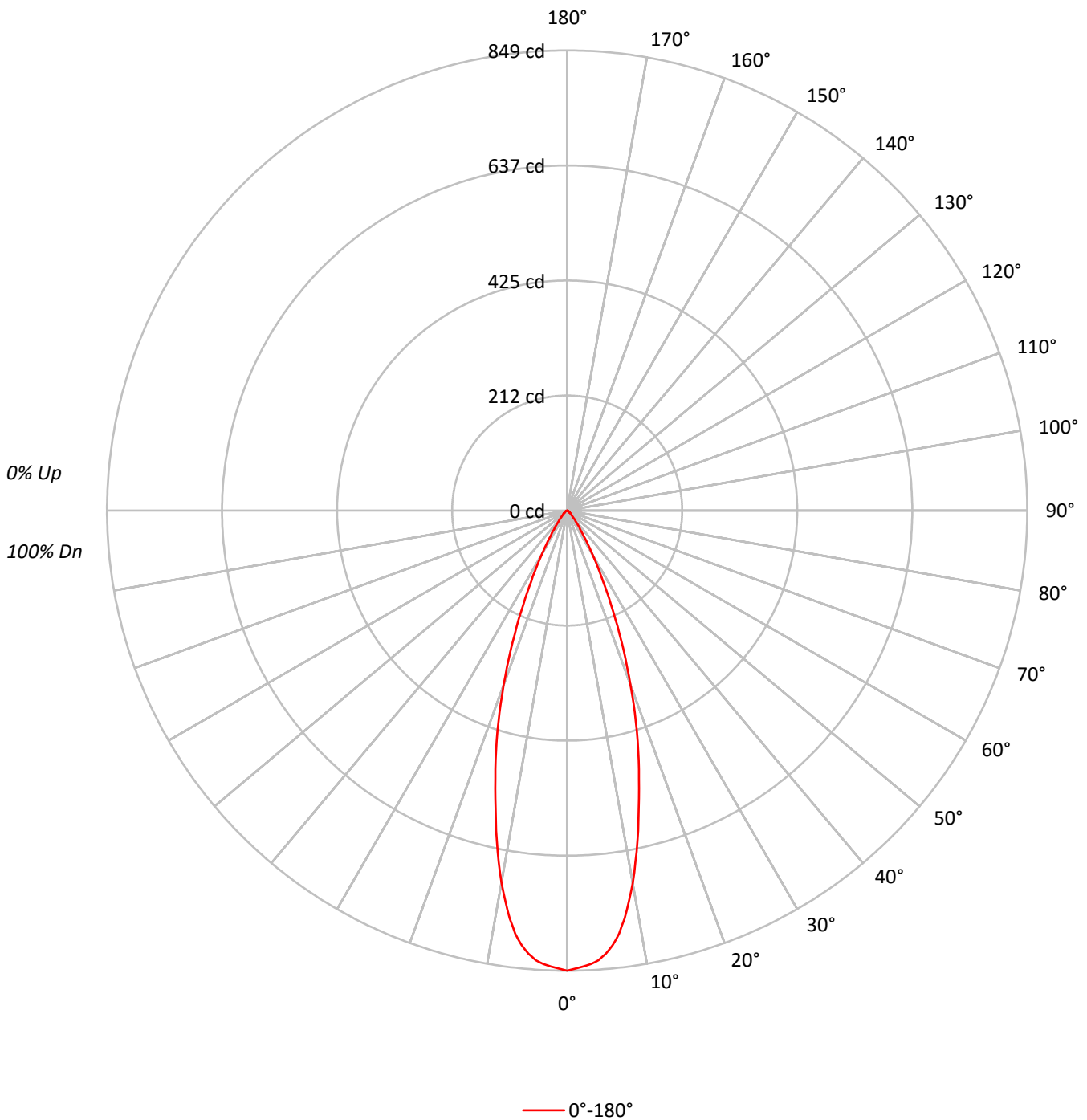
Lumens per Lamp: N/A  
Luminaire Lumens: 350.8 lumens  
Efficiency: N/A  
Efficacy: 45.6 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.58  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.7  
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  | 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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  | 98  | 97  | 95  |
| 2   | 110 | 105 | 102 | 99  | 107 | 104 | 100 | 98  | 100 | 98  | 96  |  | 97  | 95  | 94  |  | 95  | 93  | 92  | 90  |
| 3   | 105 | 100 | 95  | 92  | 103 | 98  | 94  | 91  | 96  | 92  | 90  |  | 93  | 91  | 88  |  | 91  | 89  | 87  | 86  |
| 4   | 101 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  |  | 89  | 86  | 84  |  | 88  | 85  | 83  | 81  |
| 5   | 97  | 90  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 80  |  | 86  | 82  | 79  |  | 84  | 81  | 79  | 78  |
| 6   | 93  | 86  | 81  | 77  | 92  | 85  | 80  | 77  | 84  | 79  | 76  |  | 82  | 79  | 76  |  | 81  | 78  | 75  | 74  |
| 7   | 90  | 82  | 77  | 73  | 88  | 81  | 77  | 73  | 80  | 76  | 73  |  | 79  | 75  | 72  |  | 78  | 75  | 72  | 71  |
| 8   | 86  | 78  | 73  | 70  | 85  | 78  | 73  | 70  | 77  | 73  | 70  |  | 76  | 72  | 69  |  | 75  | 72  | 69  | 68  |
| 9   | 83  | 75  | 70  | 67  | 82  | 75  | 70  | 67  | 74  | 70  | 67  |  | 73  | 69  | 66  |  | 72  | 69  | 66  | 65  |
| 10  | 80  | 72  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  |  | 71  | 67  | 64  |  | 70  | 66  | 64  | 63  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 418879 |
| 5°  | 406463 |
| 10° | 349391 |
| 15° | 261573 |
| 20° | 179722 |
| 25° | 104358 |
| 30° | 52527  |
| 35° | 25297  |
| 40° | 12946  |
| 45° | 7675   |
| 50° | 5603   |
| 55° | 3957   |
| 60° | 3651   |
| 65° | 3152   |
| 70° | 2597   |
| 75° | 1716   |
| 80° | 2557   |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.4   | 21.2      |
| 10°-20°   | 140.9  | 40.1      |
| 20°-30°   | 89.6   | 25.5      |
| 30°-40°   | 28.7   | 8.2       |
| 40°-50°   | 9.2    | 2.6       |
| 50°-60°   | 4.3    | 1.2       |
| 60°-70°   | 2.5    | 0.7       |
| 70°-80°   | 1.1    | 0.3       |
| 80°-90°   | 0.1    | 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°    | 304.9  | 86.9      |
| 0°-40°    | 333.6  | 95.1      |
| 0°-60°    | 347.2  | 99.0      |
| 0°-90°    | 350.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 350.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 849 |      |
| 5°  | 821 | 74   |
| 15° | 512 | 141  |
| 25° | 192 | 90   |
| 35° | 42  | 29   |
| 45° | 11  | 9    |
| 55° | 5   | 4    |
| 65° | 3   | 2    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 849.0 |
| 1°    | 845.3 |
| 2°    | 841.7 |
| 3°    | 838.0 |
| 4°    | 831.6 |
| 5°    | 820.7 |
| 6°    | 806.1 |
| 7°    | 786.0 |
| 8°    | 760.4 |
| 9°    | 729.4 |
| 10°   | 697.4 |
| 11°   | 660.9 |
| 12°   | 624.4 |
| 13°   | 585.2 |
| 14°   | 547.7 |
| 15°   | 512.1 |
| 16°   | 478.4 |
| 17°   | 444.6 |
| 18°   | 410.8 |
| 19°   | 376.1 |
| 20°   | 342.3 |
| 21°   | 309.5 |
| 22°   | 279.3 |
| 23°   | 247.4 |
| 24°   | 219.1 |
| 25°   | 191.7 |
| 26°   | 168.0 |
| 27°   | 146.1 |
| 28°   | 126.9 |
| 29°   | 108.6 |
| 30°   | 92.2  |
| 32.5° | 62.1  |
| 35°   | 42.0  |
| 37.5° | 28.3  |
| 40°   | 20.1  |
| 42.5° | 14.6  |
| 45°   | 11.0  |
| 47.5° | 9.1   |
| 50°   | 7.3   |
| 52.5° | 5.5   |
| 55°   | 4.6   |
| 57.5° | 3.7   |
| 60°   | 3.7   |
| 62.5° | 2.7   |
| 65°   | 2.7   |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)