

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: P246961

Luminaire Tested: **203-FL-8LED3036-12-BK-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246961  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-20)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-FL-8LED3036-12-BK-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,  
FLUSH HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 95 CRI LED  
SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

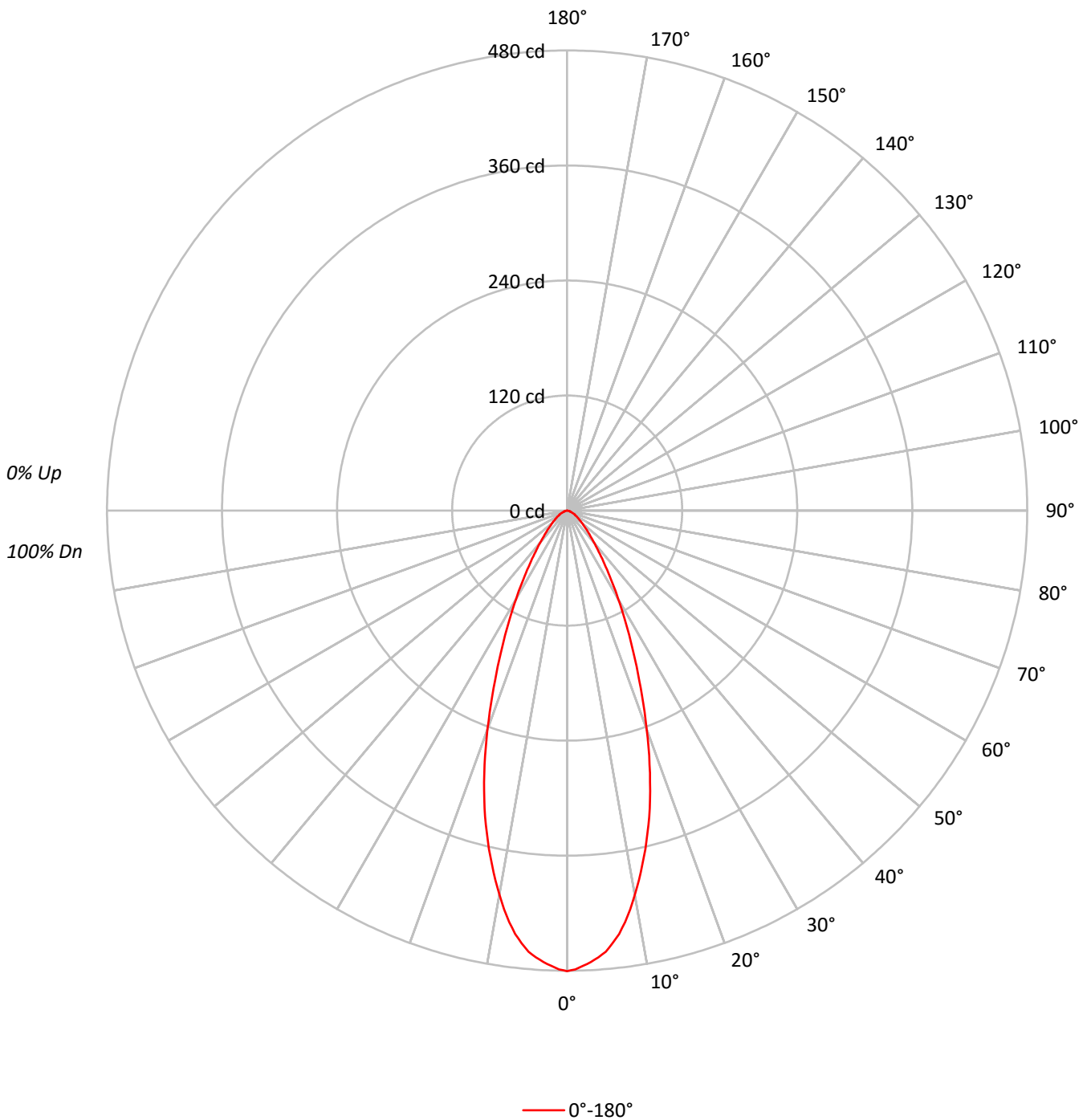
Lumens per Lamp: N/A  
Luminaire Lumens: 298.1 lumens  
Efficiency: N/A  
Efficacy: 38.7 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.66  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 96  | 95  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 97  | 93  | 97  | 94  | 91  |  | 94  | 92  | 89  |  | 91  | 89  | 87  | 86  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 88  | 85  | 82  |  | 86  | 83  | 81  | 79  |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  |  | 83  | 79  | 76  |  | 81  | 78  | 75  | 74  |
| 5   | 92  | 83  | 77  | 73  | 90  | 82  | 77  | 72  | 80  | 75  | 72  |  | 79  | 74  | 71  |  | 77  | 73  | 70  | 69  |
| 6   | 87  | 78  | 72  | 68  | 86  | 77  | 72  | 67  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 73  | 69  | 66  | 65  |
| 7   | 83  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 67  | 63  |  | 71  | 66  | 62  |  | 69  | 65  | 62  | 61  |
| 8   | 79  | 70  | 64  | 60  | 78  | 69  | 63  | 59  | 68  | 63  | 59  |  | 67  | 62  | 59  |  | 66  | 62  | 59  | 57  |
| 9   | 76  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 60  | 56  |  | 64  | 59  | 56  |  | 63  | 59  | 56  | 54  |
| 10  | 72  | 63  | 57  | 53  | 71  | 62  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  | 56  | 53  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 237069 |
| 5°  | 228763 |
| 10° | 203853 |
| 15° | 168916 |
| 20° | 127533 |
| 25° | 89279  |
| 30° | 60617  |
| 35° | 40595  |
| 40° | 27952  |
| 45° | 20444  |
| 50° | 15658  |
| 55° | 12215  |
| 60° | 9670   |
| 65° | 8289   |
| 70° | 6347   |
| 75° | 5147   |
| 80° | 2557   |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.3   | 14.2      |
| 10°-20°   | 90.6   | 30.4      |
| 20°-30°   | 75.7   | 25.4      |
| 30°-40°   | 43.4   | 14.6      |
| 40°-50°   | 23.1   | 7.8       |
| 50°-60°   | 13.0   | 4.4       |
| 60°-70°   | 7.0    | 2.4       |
| 70°-80°   | 2.8    | 0.9       |
| 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°    | 208.6  | 70.0      |
| 0°-40°    | 252.1  | 84.5      |
| 0°-60°    | 288.2  | 96.7      |
| 0°-90°    | 298.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 298.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 480 |      |
| 5°  | 462 | 42   |
| 15° | 331 | 91   |
| 25° | 164 | 76   |
| 35° | 67  | 43   |
| 45° | 29  | 23   |
| 55° | 14  | 13   |
| 65° | 7   | 7    |
| 75° | 3   | 3    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 480.5 |
| 1°    | 478.7 |
| 2°    | 475.2 |
| 3°    | 471.6 |
| 4°    | 467.2 |
| 5°    | 461.9 |
| 6°    | 453.9 |
| 7°    | 445.0 |
| 8°    | 433.5 |
| 9°    | 421.1 |
| 10°   | 406.9 |
| 11°   | 392.7 |
| 12°   | 377.6 |
| 13°   | 362.6 |
| 14°   | 346.6 |
| 15°   | 330.7 |
| 16°   | 313.8 |
| 17°   | 296.1 |
| 18°   | 278.4 |
| 19°   | 260.6 |
| 20°   | 242.9 |
| 21°   | 225.2 |
| 22°   | 208.3 |
| 23°   | 192.4 |
| 24°   | 178.2 |
| 25°   | 164.0 |
| 26°   | 150.7 |
| 27°   | 139.2 |
| 28°   | 127.7 |
| 29°   | 117.0 |
| 30°   | 106.4 |
| 32.5° | 85.1  |
| 35°   | 67.4  |
| 37.5° | 54.1  |
| 40°   | 43.4  |
| 42.5° | 35.5  |
| 45°   | 29.3  |
| 47.5° | 23.9  |
| 50°   | 20.4  |
| 52.5° | 16.8  |
| 55°   | 14.2  |
| 57.5° | 12.4  |
| 60°   | 9.8   |
| 62.5° | 8.9   |
| 65°   | 7.1   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 67.5° | 5.3 |
| 70°   | 4.4 |
| 72.5° | 3.5 |
| 75°   | 2.7 |
| 77.5° | 1.8 |
| 80°   | 0.9 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |

(END OF REPORT)