

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: P246983

Luminaire Tested: **203-SS-8LED3036-12-BK**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246983  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3036-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK  
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: 327.2 lumens  
Efficiency: N/A  
Efficacy: 42.0 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

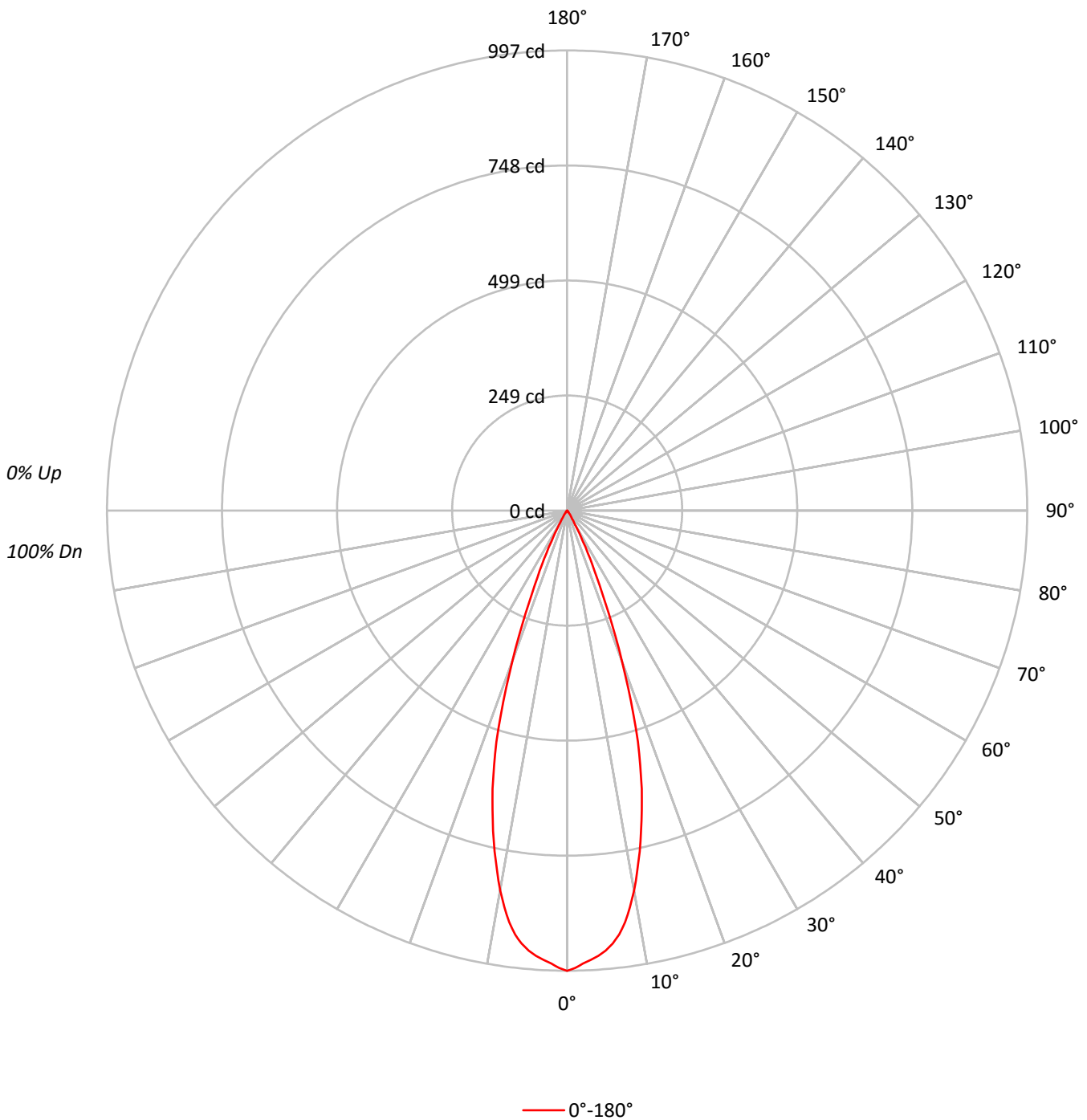
Input Watts (W): 7.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 115 | 113 | 111 | 109 | 112 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 96  | 96  |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 95  | 94  | 93  | 93  | 93  |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 89  | 89  |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 86  | 86  |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 89  | 86  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 83  | 83  |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 84  | 82  | 86  | 84  | 81  | 80  | 80  | 80  |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 78  | 78  | 78  |
| 8   | 91  | 85  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 77  | 81  | 78  | 76  | 75  | 75  | 75  |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 73  | 73  | 73  |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 74  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 71  | 71  | 71  |

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

|     | 0°     |
|-----|--------|
| 0°  | 492047 |
| 5°  | 474166 |
| 10° | 418828 |
| 15° | 318780 |
| 20° | 182453 |
| 25° | 69953  |
| 30° | 16692  |
| 35° | 5903   |
| 40° | 2254   |
| 45° | 1256   |
| 50° | 691    |
| 55° | 774    |
| 60° | 888    |
| 65° | 0      |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.7   | 26.8      |
| 10°-20°   | 166.1  | 50.8      |
| 20°-30°   | 63.9   | 19.5      |
| 30°-40°   | 7.2    | 2.2       |
| 40°-50°   | 1.4    | 0.4       |
| 50°-60°   | 0.8    | 0.2       |
| 60°-70°   | 0.1    | 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°    | 317.7  | 97.1      |
| 0°-40°    | 324.9  | 99.3      |
| 0°-60°    | 327.1  | 100.0     |
| 0°-90°    | 327.2  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 327.2  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 997 |      |
| 5°  | 957 | 88   |
| 15° | 624 | 166  |
| 25° | 128 | 64   |
| 35° | 10  | 7    |
| 45° | 2   | 1    |
| 55° | 1   | 1    |
| 65° | 0   | 0    |
| 75° | 0   | 0    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 997.3 |
| 1°    | 991.1 |
| 2°    | 982.2 |
| 3°    | 975.1 |
| 4°    | 967.2 |
| 5°    | 957.4 |
| 6°    | 943.2 |
| 7°    | 925.5 |
| 8°    | 900.7 |
| 9°    | 869.7 |
| 10°   | 836.0 |
| 11°   | 796.1 |
| 12°   | 755.3 |
| 13°   | 712.7 |
| 14°   | 668.4 |
| 15°   | 624.1 |
| 16°   | 575.3 |
| 17°   | 523.9 |
| 18°   | 466.3 |
| 19°   | 406.0 |
| 20°   | 347.5 |
| 21°   | 292.5 |
| 22°   | 241.1 |
| 23°   | 195.0 |
| 24°   | 158.7 |
| 25°   | 128.5 |
| 26°   | 102.8 |
| 27°   | 74.5  |
| 28°   | 55.8  |
| 29°   | 40.8  |
| 30°   | 29.3  |
| 32.5° | 16.0  |
| 35°   | 9.8   |
| 37.5° | 5.3   |
| 40°   | 3.5   |
| 42.5° | 2.7   |
| 45°   | 1.8   |
| 47.5° | 0.9   |
| 50°   | 0.9   |
| 52.5° | 0.9   |
| 55°   | 0.9   |
| 57.5° | 0.9   |
| 60°   | 0.9   |
| 62.5° | 0.0   |
| 65°   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 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 |
| 90°   | 0.0 |

(END OF REPORT)