

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: P247012

Luminaire Tested: **203-SS-8LED2710-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247012  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2710-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

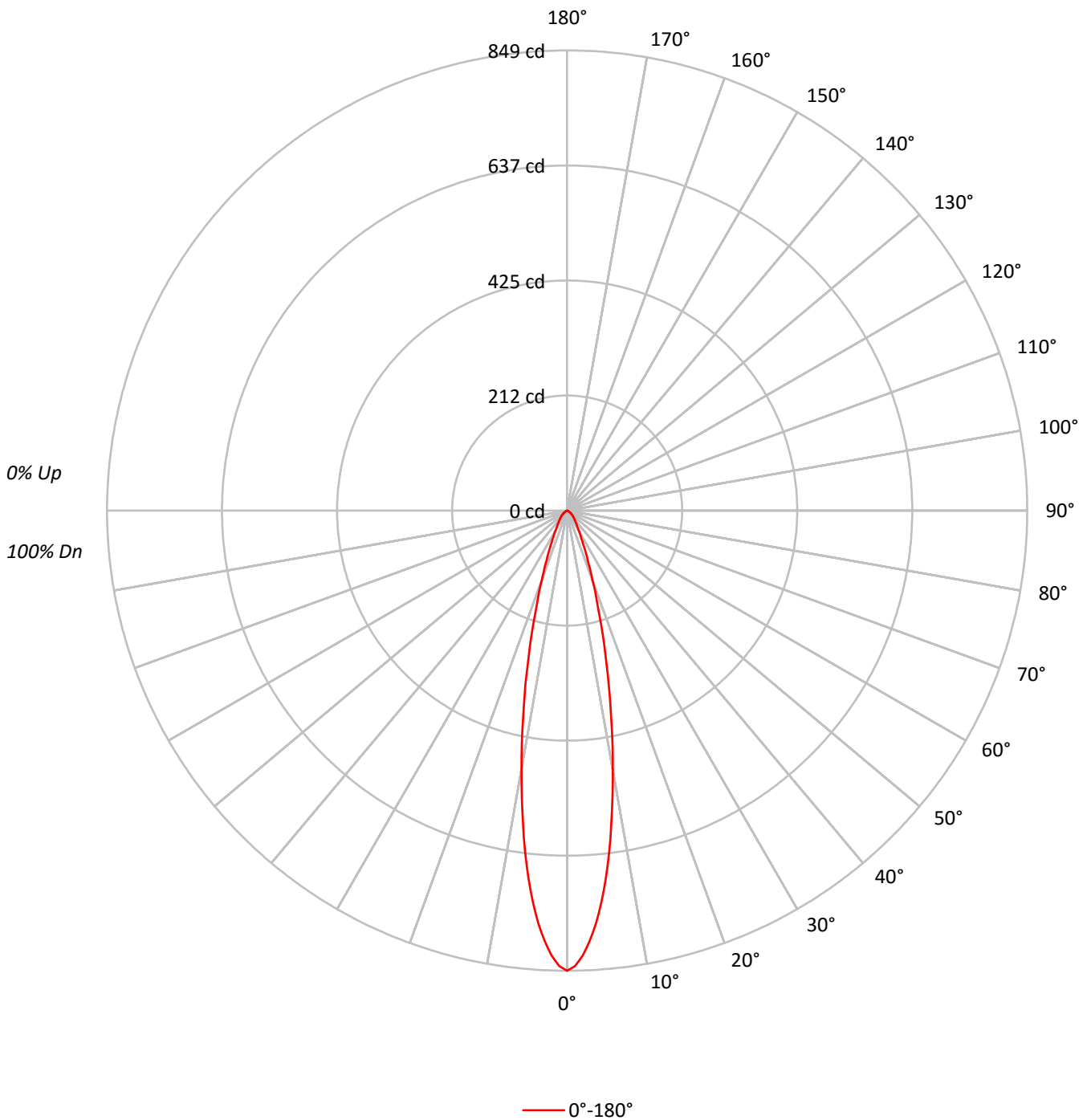
Lumens per Lamp: N/A  
Luminaire Lumens: 212.8 lumens  
Efficiency: N/A  
Efficacy: 28.4 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 99  |  | 98  | 98  | 97  | 95  |
| 2   | 109 | 105 | 102 | 99  | 107 | 103 | 100 | 97  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 95  | 93  | 91  | 90  |
| 3   | 105 | 99  | 95  | 92  | 103 | 98  | 94  | 91  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  | 89  | 87  | 85  |
| 4   | 101 | 94  | 89  | 86  | 99  | 93  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  | 85  | 82  | 81  |
| 5   | 97  | 90  | 85  | 81  | 95  | 89  | 84  | 81  | 87  | 83  | 80  |  | 86  | 82  | 79  |  | 84  | 81  | 79  | 77  |
| 6   | 93  | 86  | 81  | 77  | 92  | 85  | 80  | 77  | 84  | 79  | 76  |  | 82  | 79  | 76  |  | 81  | 78  | 75  | 74  |
| 7   | 90  | 82  | 77  | 74  | 89  | 81  | 77  | 73  | 80  | 76  | 73  |  | 79  | 75  | 73  |  | 78  | 75  | 72  | 71  |
| 8   | 87  | 79  | 74  | 70  | 86  | 78  | 74  | 70  | 77  | 73  | 70  |  | 76  | 73  | 70  |  | 76  | 72  | 70  | 68  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  | 70  | 67  | 66  |
| 10  | 81  | 73  | 69  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 68  | 65  |  | 71  | 67  | 65  | 64  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 418879 |
| 5°  | 358967 |
| 10° | 242830 |
| 15° | 137554 |
| 20° | 71878  |
| 25° | 39740  |
| 30° | 24953  |
| 35° | 17587  |
| 40° | 13525  |
| 45° | 10815  |
| 50° | 8443   |
| 55° | 6279   |
| 60° | 3651   |
| 65° | 2101   |
| 70° | 1298   |
| 75° | 1716   |
| 80° | 0      |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.3   | 28.8      |
| 10°-20°   | 75.8   | 35.6      |
| 20°-30°   | 35.4   | 16.6      |
| 30°-40°   | 18.7   | 8.8       |
| 40°-50°   | 12.2   | 5.7       |
| 50°-60°   | 6.5    | 3.1       |
| 60°-70°   | 2.1    | 1.0       |
| 70°-80°   | 0.8    | 0.4       |
| 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°    | 172.5  | 81.0      |
| 0°-40°    | 191.2  | 89.8      |
| 0°-60°    | 209.9  | 98.6      |
| 0°-90°    | 212.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 212.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 849 |      |
| 5°  | 725 | 61   |
| 15° | 269 | 76   |
| 25° | 73  | 35   |
| 35° | 29  | 19   |
| 45° | 16  | 12   |
| 55° | 7   | 6    |
| 65° | 2   | 2    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 849.0 |
| 1°    | 840.8 |
| 2°    | 821.6 |
| 3°    | 795.1 |
| 4°    | 763.2 |
| 5°    | 724.8 |
| 6°    | 682.8 |
| 7°    | 635.4 |
| 8°    | 585.2 |
| 9°    | 534.0 |
| 10°   | 484.7 |
| 12.5° | 368.8 |
| 15°   | 269.3 |
| 17.5° | 191.7 |
| 20°   | 136.9 |
| 22.5° | 98.6  |
| 25°   | 73.0  |
| 27.5° | 54.8  |
| 30°   | 43.8  |
| 32.5° | 34.7  |
| 35°   | 29.2  |
| 37.5° | 24.6  |
| 40°   | 21.0  |
| 42.5° | 18.3  |
| 45°   | 15.5  |
| 47.5° | 13.7  |
| 50°   | 11.0  |
| 52.5° | 9.1   |
| 55°   | 7.3   |
| 57.5° | 5.5   |
| 60°   | 3.7   |
| 62.5° | 2.7   |
| 65°   | 1.8   |
| 67.5° | 1.8   |
| 70°   | 0.9   |
| 72.5° | 0.9   |
| 75°   | 0.9   |
| 77.5° | 0.9   |
| 80°   | 0.0   |
| 82.5° | 0.0   |
| 85°   | 0.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)