

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: G2-1802-569-4

Luminaire Tested: **203-SS-8LED3010-12-BK**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-4  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-4)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3010-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK  
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED  
SM16-07-10D-930-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 264.7 lumens  
Efficiency: N/A  
Efficacy: 33.1 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

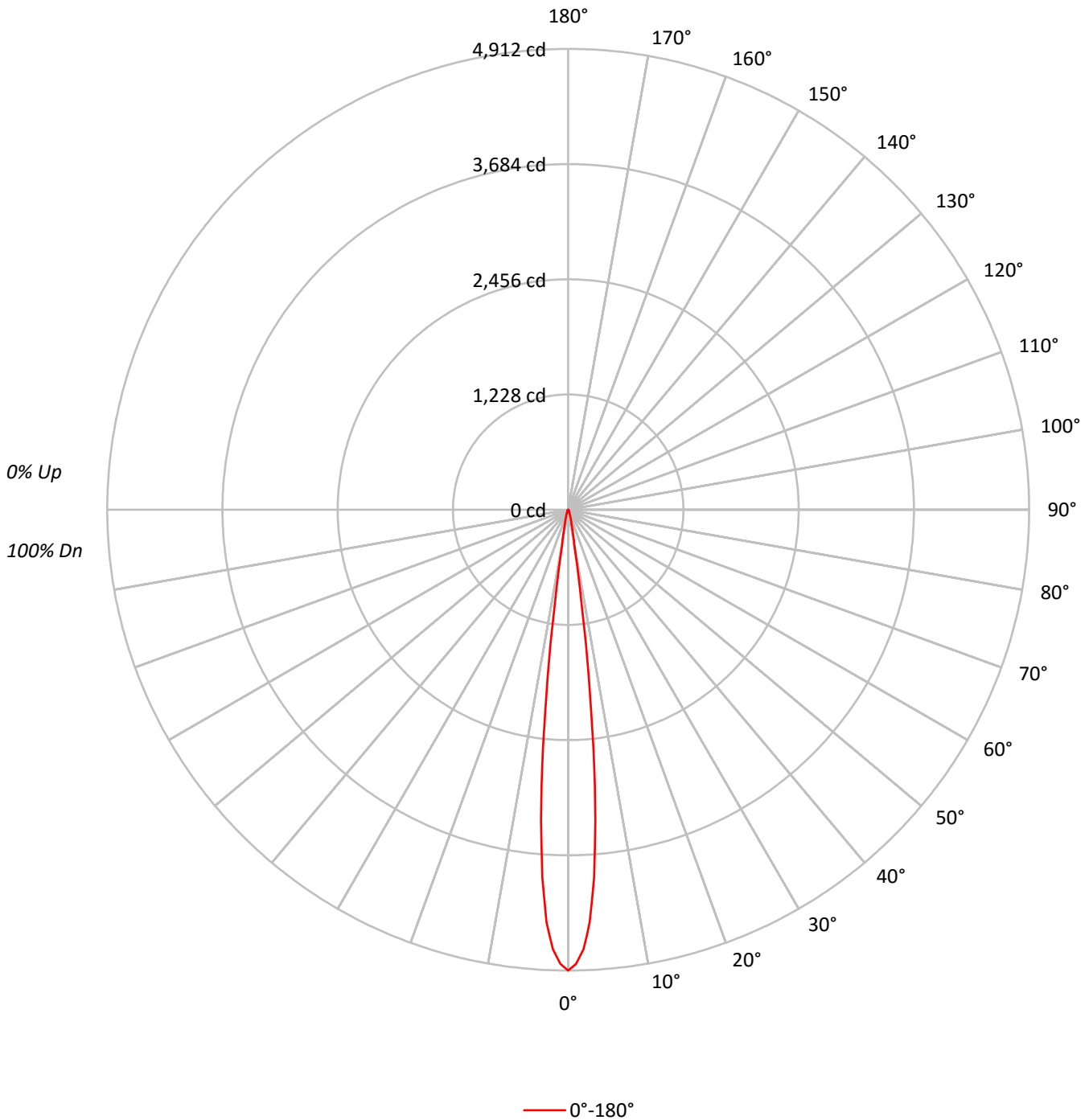
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 100 |
| 1   | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 109 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 101 | 100 | 98  | 98  | 98  | 98  |
| 2   | 113 | 110 | 108 | 106 | 111 | 109 | 106 | 105 | 106 | 104 | 102 | 103 | 101 | 100 | 100 | 99  | 98  | 97  | 97  | 97  | 97  |
| 3   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  | 101 | 99  | 98  | 99  | 98  | 97  | 95  | 95  | 95  | 95  |
| 4   | 108 | 104 | 101 | 99  | 107 | 103 | 100 | 98  | 101 | 99  | 97  | 100 | 98  | 96  | 98  | 96  | 95  | 94  | 94  | 94  | 94  |
| 5   | 106 | 102 | 99  | 96  | 105 | 101 | 98  | 96  | 100 | 97  | 95  | 98  | 96  | 95  | 97  | 95  | 94  | 93  | 93  | 93  | 93  |
| 6   | 105 | 100 | 97  | 95  | 103 | 99  | 96  | 94  | 98  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 93  | 92  | 92  | 92  | 92  |
| 7   | 103 | 98  | 95  | 93  | 102 | 98  | 95  | 93  | 97  | 94  | 92  | 96  | 94  | 92  | 95  | 93  | 92  | 91  | 91  | 91  | 91  |
| 8   | 101 | 97  | 94  | 92  | 101 | 96  | 94  | 92  | 95  | 93  | 91  | 95  | 93  | 91  | 94  | 92  | 91  | 90  | 90  | 90  | 90  |
| 9   | 100 | 95  | 93  | 91  | 99  | 95  | 92  | 90  | 94  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 90  | 89  | 89  | 89  | 89  |
| 10  | 99  | 94  | 91  | 90  | 98  | 94  | 91  | 90  | 93  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 89  | 88  | 88  | 88  | 88  |

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

| 0°  |         |
|-----|---------|
| 0°  | 2423530 |
| 5°  | 1645565 |
| 10° | 189174  |
| 15° | 56135   |
| 20° | 25150   |
| 25° | 13011   |
| 30° | 9115    |
| 35° | 7469    |
| 40° | 6312    |
| 45° | 4326    |
| 50° | 3377    |
| 55° | 2322    |
| 60° | 888     |
| 65° | 0       |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 200.5  | 75.8      |
| 10°-20°   | 37.0   | 14.0      |
| 20°-30°   | 11.9   | 4.5       |
| 30°-40°   | 7.7    | 2.9       |
| 40°-50°   | 5.1    | 1.9       |
| 50°-60°   | 2.2    | 0.8       |
| 60°-70°   | 0.3    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 249.4  | 94.2      |
| 0°-40°    | 257.1  | 97.1      |
| 0°-60°    | 264.3  | 99.9      |
| 0°-90°    | 264.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 264.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4912 |      |
| 5°  | 3323 | 200  |
| 15° | 110  | 37   |
| 25° | 24   | 12   |
| 35° | 12   | 8    |
| 45° | 6    | 5    |
| 55° | 3    | 2    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 4912.1 |
| 1°    | 4842.0 |
| 2°    | 4686.0 |
| 3°    | 4400.6 |
| 4°    | 3934.3 |
| 5°    | 3322.6 |
| 6°    | 2575.3 |
| 7°    | 1782.7 |
| 8°    | 1079.8 |
| 9°    | 617.9  |
| 10°   | 377.6  |
| 12.5° | 179.1  |
| 15°   | 109.9  |
| 17.5° | 77.1   |
| 20°   | 47.9   |
| 22.5° | 31.0   |
| 25°   | 23.9   |
| 27.5° | 19.5   |
| 30°   | 16.0   |
| 32.5° | 13.3   |
| 35°   | 12.4   |
| 37.5° | 10.6   |
| 40°   | 9.8    |
| 42.5° | 8.0    |
| 45°   | 6.2    |
| 47.5° | 5.3    |
| 50°   | 4.4    |
| 52.5° | 2.7    |
| 55°   | 2.7    |
| 57.5° | 1.8    |
| 60°   | 0.9    |
| 62.5° | 0.9    |
| 65°   | 0.0    |
| 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)