

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: G2-1802-569-7

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-7
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-7)
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-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED
SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

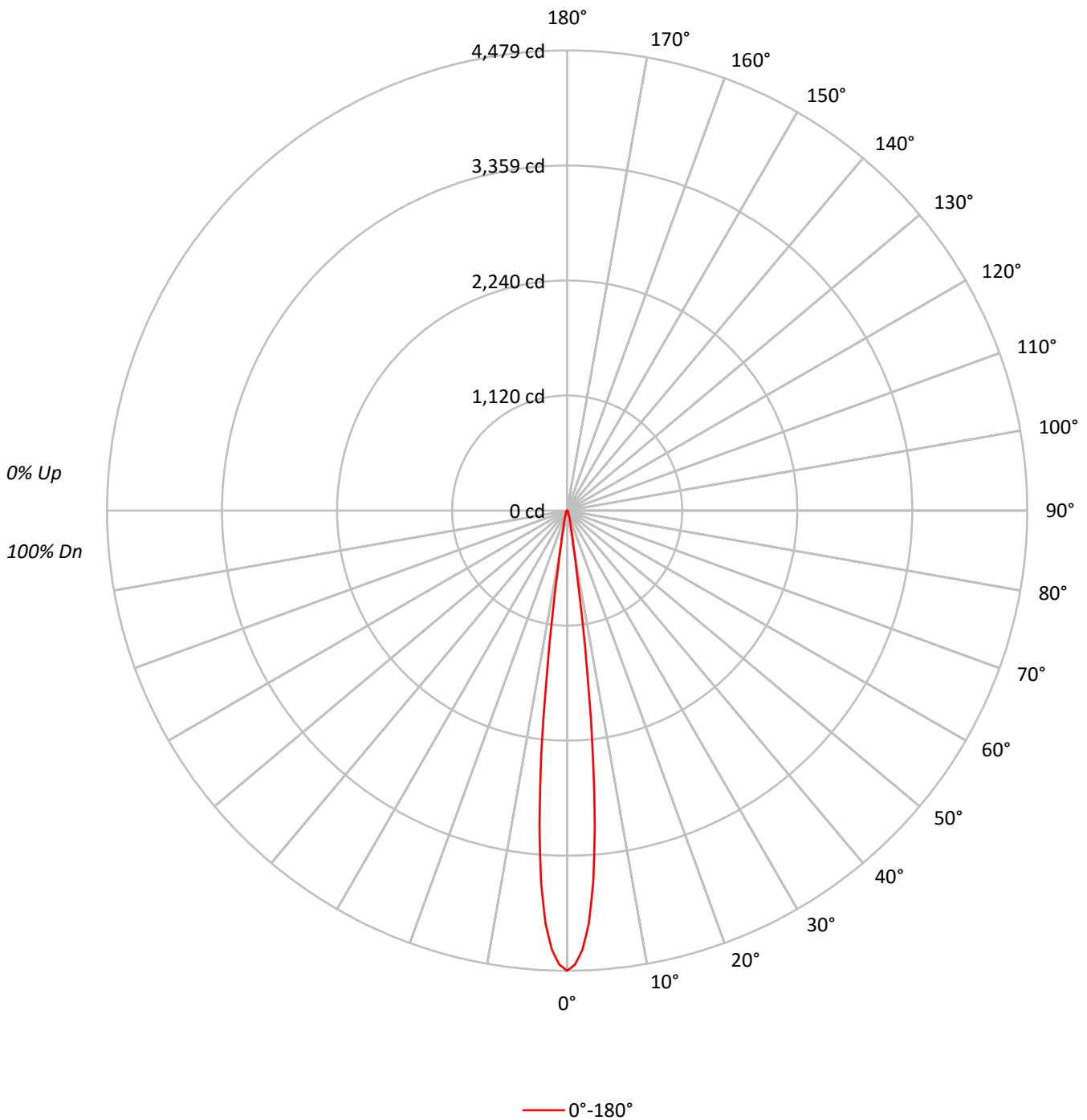
Lumens per Lamp: N/A
Luminaire Lumens: 263.3 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): 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 | 111 | 106 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 116 | 114 | 112 | 110 | 113 | 112 | 110 | 109 | 108 | 106 | 105 | 105 | 104 | 103 | 102 | 102 | 101 | 100 | 99 | 99 | 98 | 98 | 98 | 98 |
| 2 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 101 | 100 | 99 | 99 | 99 | 98 | 97 | 97 | 97 | 96 | 95 | 95 |
| 3 | 109 | 105 | 102 | 99 | 108 | 104 | 101 | 99 | 102 | 99 | 97 | 97 | 99 | 97 | 96 | 96 | 97 | 96 | 94 | 94 | 94 | 93 | 92 | 92 |
| 4 | 107 | 102 | 99 | 96 | 105 | 101 | 98 | 95 | 99 | 96 | 94 | 94 | 97 | 95 | 93 | 93 | 96 | 94 | 92 | 92 | 92 | 91 | 90 | 90 |
| 5 | 104 | 99 | 96 | 93 | 103 | 98 | 95 | 93 | 97 | 94 | 92 | 92 | 95 | 93 | 91 | 91 | 94 | 92 | 91 | 91 | 91 | 90 | 89 | 89 |
| 6 | 102 | 97 | 93 | 91 | 101 | 96 | 93 | 91 | 95 | 92 | 90 | 90 | 94 | 91 | 90 | 90 | 93 | 91 | 89 | 89 | 89 | 88 | 87 | 87 |
| 7 | 100 | 95 | 91 | 89 | 99 | 94 | 91 | 89 | 93 | 91 | 88 | 88 | 92 | 90 | 88 | 88 | 91 | 89 | 88 | 88 | 88 | 87 | 86 | 86 |
| 8 | 99 | 93 | 90 | 87 | 98 | 93 | 90 | 87 | 92 | 89 | 87 | 87 | 91 | 89 | 87 | 87 | 90 | 88 | 86 | 86 | 86 | 85 | 84 | 84 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 86 | 90 | 87 | 86 | 86 | 89 | 87 | 85 | 85 | 85 | 84 | 83 | 83 |
| 10 | 96 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 87 | 85 | 85 | 89 | 86 | 85 | 85 | 88 | 86 | 84 | 84 | 84 | 83 | 82 | 82 |

AVERAGE LUMINANCE (cd/sqm):

| 0° | |
|-----|---------|
| 0° | 2209650 |
| 5° | 1527890 |
| 10° | 174996 |
| 15° | 55267 |
| 20° | 24677 |
| 25° | 15950 |
| 30° | 12647 |
| 35° | 11203 |
| 40° | 9725 |
| 45° | 8652 |
| 50° | 6831 |
| 55° | 5333 |
| 60° | 2664 |
| 65° | 1051 |
| 70° | 1298 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 185.1 | 70.3 |
| 10°-20° | 35.5 | 13.5 |
| 20°-30° | 14.2 | 5.4 |
| 30°-40° | 11.8 | 4.5 |
| 40°-50° | 9.6 | 3.7 |
| 50°-60° | 5.4 | 2.1 |
| 60°-70° | 1.3 | 0.5 |
| 70°-80° | 0.4 | 0.1 |
| 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° | 234.8 | 89.2 |
| 0°-40° | 246.5 | 93.6 |
| 0°-60° | 261.6 | 99.4 |
| 0°-90° | 263.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 263.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 4479 | |
| 5° | 3085 | 185 |
| 15° | 108 | 36 |
| 25° | 29 | 14 |
| 35° | 19 | 12 |
| 45° | 12 | 10 |
| 55° | 6 | 5 |
| 65° | 1 | 1 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 4478.6 |
| 1° | 4419.2 |
| 2° | 4276.4 |
| 3° | 4021.1 |
| 4° | 3625.8 |
| 5° | 3085.0 |
| 6° | 2416.6 |
| 7° | 1656.9 |
| 8° | 990.2 |
| 9° | 566.5 |
| 10° | 349.3 |
| 12.5° | 172.0 |
| 15° | 108.2 |
| 17.5° | 75.4 |
| 20° | 47.0 |
| 22.5° | 35.5 |
| 25° | 29.3 |
| 27.5° | 25.7 |
| 30° | 22.2 |
| 32.5° | 20.4 |
| 35° | 18.6 |
| 37.5° | 17.7 |
| 40° | 15.1 |
| 42.5° | 14.2 |
| 45° | 12.4 |
| 47.5° | 11.5 |
| 50° | 8.9 |
| 52.5° | 8.0 |
| 55° | 6.2 |
| 57.5° | 4.4 |
| 60° | 2.7 |
| 62.5° | 1.8 |
| 65° | 0.9 |
| 67.5° | 0.9 |
| 70° | 0.9 |
| 72.5° | 0.9 |
| 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)