

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: P277735

Luminaire Tested: **203-SS-8LED2725-12-BK-OSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277735  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2725-12-BK-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-25D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

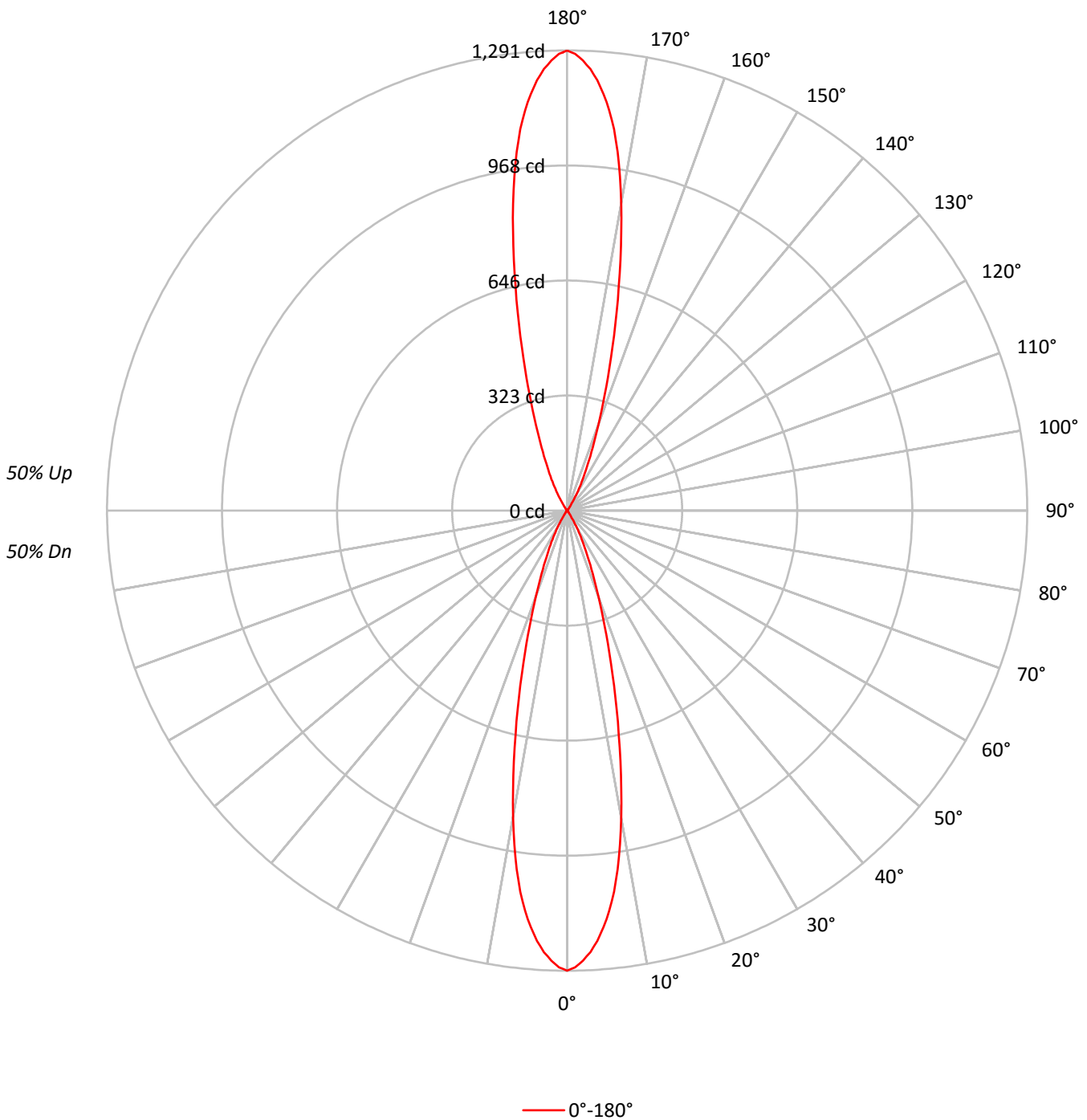
Lumens per Lamp: N/A  
Luminaire Lumens: 629.9 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.8  
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



TEST NUMBER: P277735  
CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

### Luminous Intensity Polar Plot





TEST NUMBER: P277735

CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

**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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |    |    |    |   |
| 1   | 101 | 98  | 95  | 92  | 93 | 91 | 88 | 86 | 78 | 76 | 75 | 65 | 65 | 64 | 54 | 54 | 53 | 48 |    |    |    |   |
| 2   | 95  | 90  | 85  | 82  | 88 | 84 | 80 | 77 | 72 | 70 | 68 | 62 | 61 | 59 | 52 | 52 | 51 | 47 |    |    |    |   |
| 3   | 90  | 83  | 78  | 74  | 83 | 78 | 73 | 70 | 68 | 65 | 63 | 59 | 57 | 55 | 51 | 50 | 49 | 45 |    |    |    |   |
| 4   | 85  | 77  | 72  | 67  | 79 | 73 | 68 | 64 | 64 | 61 | 58 | 56 | 54 | 52 | 49 | 48 | 47 | 43 |    |    |    |   |
| 5   | 80  | 72  | 66  | 62  | 75 | 68 | 63 | 59 | 61 | 57 | 54 | 54 | 51 | 50 | 47 | 46 | 45 | 42 |    |    |    |   |
| 6   | 76  | 68  | 62  | 58  | 72 | 64 | 59 | 56 | 58 | 54 | 51 | 52 | 49 | 47 | 46 | 44 | 43 | 41 |    |    |    |   |
| 7   | 73  | 64  | 58  | 54  | 68 | 61 | 56 | 52 | 55 | 51 | 49 | 50 | 47 | 45 | 45 | 43 | 42 | 39 |    |    |    |   |
| 8   | 69  | 60  | 55  | 51  | 65 | 58 | 53 | 49 | 53 | 49 | 46 | 48 | 45 | 43 | 43 | 41 | 40 | 38 |    |    |    |   |
| 9   | 66  | 57  | 52  | 48  | 63 | 55 | 50 | 47 | 50 | 47 | 44 | 46 | 43 | 41 | 42 | 40 | 39 | 37 |    |    |    |   |
| 10  | 64  | 55  | 49  | 46  | 60 | 53 | 48 | 45 | 48 | 45 | 42 | 44 | 42 | 40 | 41 | 39 | 38 | 36 |    |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 636854 |
| 5°  | 580994 |
| 10° | 437665 |
| 15° | 259274 |
| 20° | 134201 |
| 25° | 67613  |
| 30° | 28086  |
| 35° | 8252   |
| 40° | 2963   |
| 45° | 1884   |
| 50° | 691    |
| 55° | 774    |
| 60° | 0      |
| 65° | 0      |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |



TEST NUMBER: P277735

CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.5  | 16.3      |
| 10°-20°   | 140.0  | 22.2      |
| 20°-30°   | 58.9   | 9.3       |
| 30°-40°   | 10.8   | 1.7       |
| 40°-50°   | 2.1    | 0.3       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.0    | 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° | 0.7    | 0.1       |
| 130°-140° | 2.1    | 0.3       |
| 140°-150° | 10.8   | 1.7       |
| 150°-160° | 58.9   | 9.3       |
| 160°-170° | 140.0  | 22.2      |
| 170°-180° | 102.5  | 16.3      |
| 0°-30°    | 301.4  | 47.8      |
| 0°-40°    | 312.2  | 49.6      |
| 0°-60°    | 314.9  | 50.0      |
| 0°-90°    | 314.9  | 50.0      |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 13.6   | 2.2       |
| 90°-180°  | 315.0  | 50.0      |
| 0°-180°   | 629.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | Flux |
|------|------|------|
| 0°   | 1291 |      |
| 5°   | 1173 | 103  |
| 15°  | 508  | 140  |
| 25°  | 124  | 59   |
| 35°  | 14   | 11   |
| 45°  | 3    | 2    |
| 55°  | 1    | 1    |
| 65°  | 0    | 0    |
| 75°  | 0    | 0    |
| 85°  | 0    | 0    |
| 90°  | 0    | 0    |
| 95°  | 0    | 0    |
| 105° | 0    | 0    |
| 115° | 0    | 0    |
| 125° | 1    | 1    |
| 135° | 3    | 2    |
| 145° | 14   | 11   |
| 155° | 124  | 59   |
| 165° | 508  | 140  |
| 175° | 1173 | 103  |
| 180° | 1291 |      |



TEST NUMBER: P277735

CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1290.8 |
| 1°    | 1281.7 |
| 2°    | 1263.4 |
| 3°    | 1240.6 |
| 4°    | 1210.5 |
| 5°    | 1173.1 |
| 6°    | 1129.2 |
| 7°    | 1078.1 |
| 8°    | 1016.0 |
| 9°    | 948.5  |
| 10°   | 873.6  |
| 11°   | 796.9  |
| 12°   | 718.4  |
| 13°   | 643.6  |
| 14°   | 573.3  |
| 15°   | 507.6  |
| 16°   | 446.4  |
| 17°   | 389.8  |
| 18°   | 339.6  |
| 19°   | 294.9  |
| 20°   | 255.6  |
| 21°   | 220.0  |
| 22°   | 190.8  |
| 23°   | 166.1  |
| 24°   | 143.3  |
| 25°   | 124.2  |
| 26°   | 106.8  |
| 27°   | 90.4   |
| 28°   | 75.8   |
| 29°   | 63.0   |
| 30°   | 49.3   |
| 32.5° | 22.8   |
| 35°   | 13.7   |
| 37.5° | 8.2    |
| 40°   | 4.6    |
| 42.5° | 3.7    |
| 45°   | 2.7    |
| 47.5° | 1.8    |
| 50°   | 0.9    |
| 52.5° | 0.9    |
| 55°   | 0.9    |
| 57.5° | 0.9    |
| 60°   | 0.0    |
| 62.5° | 0.0    |
| 65°   | 0.0    |



TEST NUMBER: P277735

CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

**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   |
| 92.5°  | 0.0   |
| 95°    | 0.0   |
| 97.5°  | 0.0   |
| 100°   | 0.0   |
| 102.5° | 0.0   |
| 105°   | 0.0   |
| 107.5° | 0.0   |
| 110°   | 0.0   |
| 112.5° | 0.0   |
| 115°   | 0.0   |
| 117.5° | 0.0   |
| 120°   | 0.0   |
| 122.5° | 0.9   |
| 125°   | 0.9   |
| 127.5° | 0.9   |
| 130°   | 0.9   |
| 132.5° | 1.8   |
| 135°   | 2.7   |
| 137.5° | 3.7   |
| 140°   | 4.6   |
| 142.5° | 8.2   |
| 145°   | 13.7  |
| 147.5° | 22.8  |
| 150°   | 49.3  |
| 151°   | 63.0  |
| 152°   | 75.8  |
| 153°   | 90.4  |
| 154°   | 106.8 |
| 155°   | 124.2 |
| 156°   | 143.3 |
| 157°   | 166.1 |
| 158°   | 190.8 |
| 159°   | 220.0 |
| 160°   | 255.6 |
| 161°   | 294.9 |



TEST NUMBER: P277735

CATALOG NUMBER: 203-SS-8LED2725-12-BK-OSL

**CANDELA DISTRIBUTION (continued):**

|      | 0°     |
|------|--------|
| 162° | 339.6  |
| 163° | 389.8  |
| 164° | 446.4  |
| 165° | 507.6  |
| 166° | 573.3  |
| 167° | 643.6  |
| 168° | 718.4  |
| 169° | 796.9  |
| 170° | 873.6  |
| 171° | 948.5  |
| 172° | 1016.0 |
| 173° | 1078.1 |
| 174° | 1129.2 |
| 175° | 1173.1 |
| 176° | 1210.5 |
| 177° | 1240.6 |
| 178° | 1263.4 |
| 179° | 1281.7 |
| 180° | 1290.8 |

(END OF REPORT)