

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: P247029

Luminaire Tested: **203-SS-8LED2736-12-BK-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247029
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

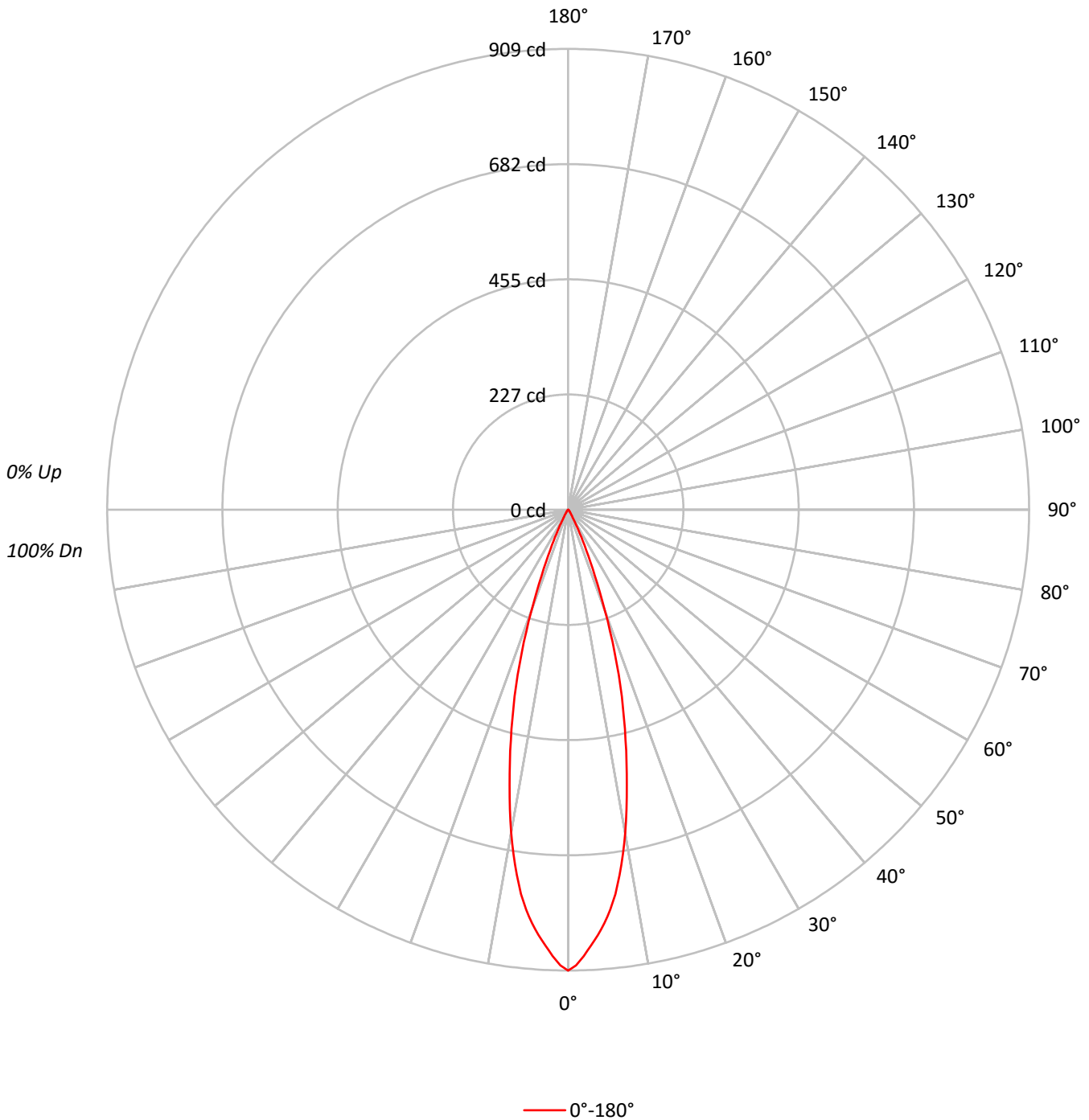
Lumens per Lamp: N/A
Luminaire Lumens: 230.1 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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 | 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 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | | 103 | 102 | 101 | | 100 | 99 | 98 | 97 |
| 2 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | | 100 | 98 | 97 | | 97 | 96 | 95 | 93 |
| 3 | 108 | 103 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 97 | 94 | | 97 | 95 | 93 | | 95 | 93 | 92 | 90 |
| 4 | 104 | 99 | 95 | 92 | 103 | 98 | 94 | 92 | 96 | 93 | 91 | | 94 | 92 | 90 | | 92 | 90 | 89 | 87 |
| 5 | 101 | 95 | 91 | 88 | 100 | 95 | 91 | 88 | 93 | 90 | 87 | | 91 | 89 | 86 | | 90 | 88 | 86 | 85 |
| 6 | 98 | 92 | 88 | 85 | 97 | 91 | 88 | 85 | 90 | 87 | 84 | | 89 | 86 | 84 | | 88 | 85 | 83 | 82 |
| 7 | 96 | 89 | 85 | 82 | 94 | 89 | 85 | 82 | 87 | 84 | 81 | | 86 | 83 | 81 | | 85 | 83 | 81 | 80 |
| 8 | 93 | 86 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | | 84 | 81 | 79 | | 83 | 80 | 78 | 77 |
| 9 | 90 | 84 | 80 | 77 | 89 | 83 | 79 | 77 | 83 | 79 | 77 | | 82 | 79 | 76 | | 81 | 78 | 76 | 75 |
| 10 | 88 | 81 | 77 | 75 | 87 | 81 | 77 | 75 | 80 | 77 | 74 | | 80 | 76 | 74 | | 79 | 76 | 74 | 73 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 448581 |
| 5° | 405572 |
| 10° | 324241 |
| 15° | 217288 |
| 20° | 111204 |
| 25° | 36800 |
| 30° | 10426 |
| 35° | 4397 |
| 40° | 2383 |
| 45° | 1256 |
| 50° | 691 |
| 55° | 0 |
| 60° | 0 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.8 | 31.6 |
| 10°-20° | 114.3 | 49.7 |
| 20°-30° | 36.3 | 15.8 |
| 30°-40° | 5.2 | 2.2 |
| 40°-50° | 1.5 | 0.6 |
| 50°-60° | 0.1 | 0.0 |
| 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° | 0.0 | 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° | 223.4 | 97.1 |
| 0°-40° | 228.5 | 99.3 |
| 0°-60° | 230.1 | 100.0 |
| 0°-90° | 230.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 230.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 909 | |
| 5° | 819 | 73 |
| 15° | 425 | 114 |
| 25° | 68 | 36 |
| 35° | 7 | 5 |
| 45° | 2 | 1 |
| 55° | 0 | 0 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 909.2 |
| 1° | 899.2 |
| 2° | 880.9 |
| 3° | 860.9 |
| 4° | 840.8 |
| 5° | 818.9 |
| 6° | 793.3 |
| 7° | 764.1 |
| 8° | 727.6 |
| 9° | 688.3 |
| 10° | 647.2 |
| 11° | 602.5 |
| 12° | 555.9 |
| 13° | 511.2 |
| 14° | 467.4 |
| 15° | 425.4 |
| 16° | 383.4 |
| 17° | 340.5 |
| 18° | 296.7 |
| 19° | 253.8 |
| 20° | 211.8 |
| 21° | 173.4 |
| 22° | 140.6 |
| 23° | 112.3 |
| 24° | 86.7 |
| 25° | 67.6 |
| 26° | 52.9 |
| 27° | 39.3 |
| 28° | 31.0 |
| 29° | 22.8 |
| 30° | 18.3 |
| 32.5° | 11.0 |
| 35° | 7.3 |
| 37.5° | 4.6 |
| 40° | 3.7 |
| 42.5° | 2.7 |
| 45° | 1.8 |
| 47.5° | 0.9 |
| 50° | 0.9 |
| 52.5° | 0.0 |
| 55° | 0.0 |
| 57.5° | 0.0 |
| 60° | 0.0 |
| 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)