

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: P247027

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247027
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

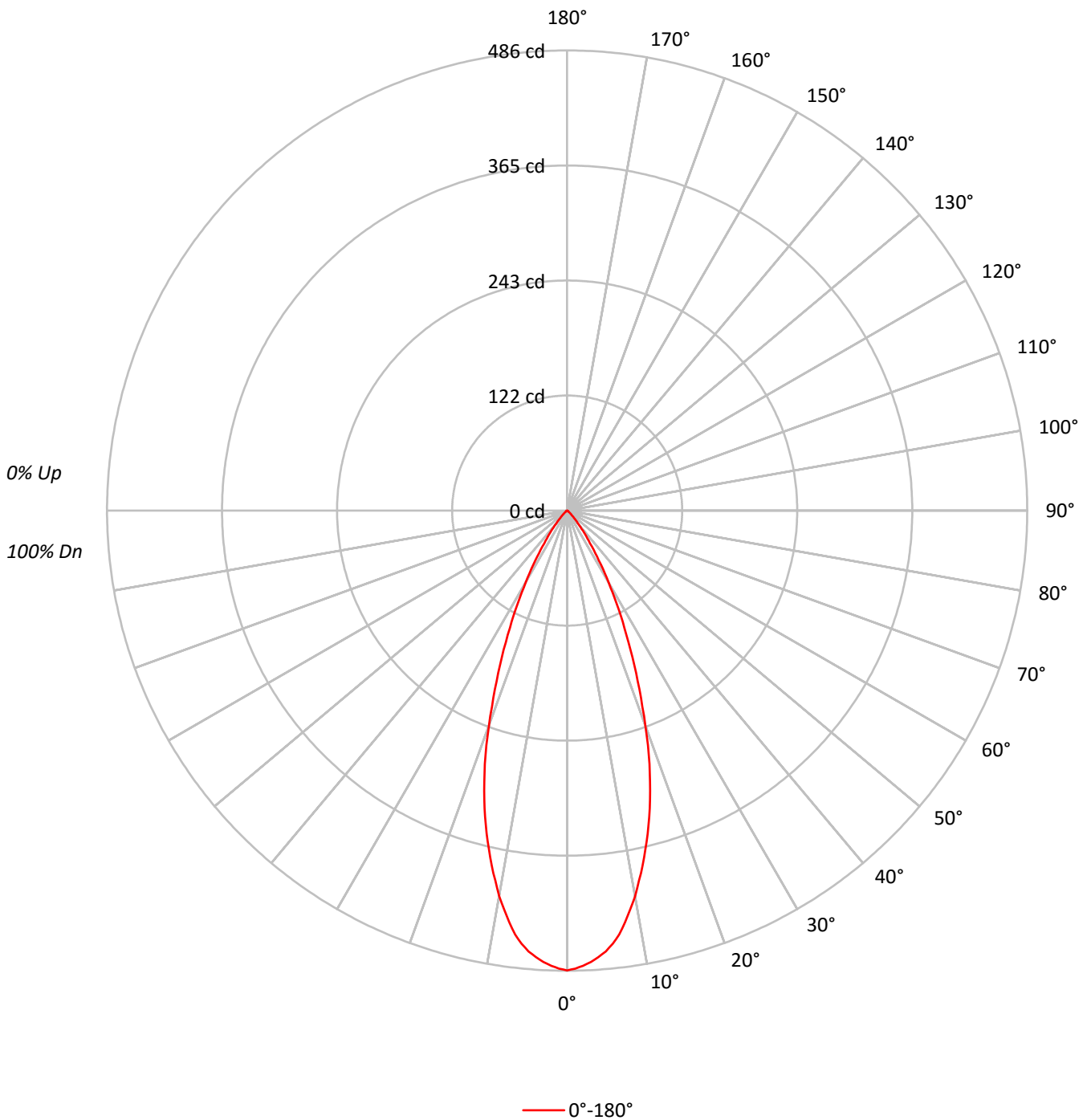
Lumens per Lamp: N/A
Luminaire Lumens: 241.3 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P247027
CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

Luminous Intensity Polar Plot





TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

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 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | | 102 | 101 | 100 | | 98 | 98 | 97 | 95 |
| 2 | 109 | 105 | 102 | 99 | 107 | 103 | 100 | 98 | 100 | 98 | 95 | | 97 | 95 | 93 | | 95 | 93 | 91 | 90 |
| 3 | 105 | 99 | 95 | 91 | 103 | 98 | 94 | 91 | 95 | 92 | 89 | | 93 | 90 | 88 | | 91 | 89 | 87 | 85 |
| 4 | 100 | 94 | 89 | 85 | 99 | 93 | 88 | 85 | 91 | 87 | 84 | | 89 | 86 | 83 | | 87 | 84 | 82 | 81 |
| 5 | 96 | 89 | 84 | 80 | 95 | 88 | 83 | 80 | 86 | 82 | 79 | | 85 | 81 | 79 | | 83 | 80 | 78 | 77 |
| 6 | 92 | 85 | 79 | 76 | 91 | 84 | 79 | 76 | 82 | 78 | 75 | | 81 | 77 | 75 | | 80 | 77 | 74 | 73 |
| 7 | 89 | 81 | 75 | 72 | 87 | 80 | 75 | 72 | 79 | 74 | 71 | | 78 | 74 | 71 | | 77 | 73 | 71 | 69 |
| 8 | 85 | 77 | 72 | 68 | 84 | 76 | 71 | 68 | 75 | 71 | 68 | | 74 | 70 | 68 | | 74 | 70 | 67 | 66 |
| 9 | 82 | 74 | 68 | 65 | 81 | 73 | 68 | 65 | 72 | 68 | 65 | | 71 | 67 | 64 | | 71 | 67 | 64 | 63 |
| 10 | 79 | 70 | 65 | 62 | 78 | 70 | 65 | 62 | 69 | 65 | 62 | | 69 | 64 | 62 | | 68 | 64 | 61 | 60 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 239634 |
| 5° | 231486 |
| 10° | 207160 |
| 15° | 171113 |
| 20° | 127008 |
| 25° | 83509 |
| 30° | 49906 |
| 35° | 25297 |
| 40° | 11786 |
| 45° | 5094 |
| 50° | 2072 |
| 55° | 774 |
| 60° | 888 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.9 | 17.8 |
| 10°-20° | 91.6 | 38.0 |
| 20°-30° | 70.6 | 29.3 |
| 30°-40° | 28.4 | 11.8 |
| 40°-50° | 6.5 | 2.7 |
| 50°-60° | 1.2 | 0.5 |
| 60°-70° | 0.1 | 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° | 205.1 | 85.0 |
| 0°-40° | 233.5 | 96.8 |
| 0°-60° | 241.1 | 100.0 |
| 0°-90° | 241.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 241.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 486 | |
| 5° | 467 | 43 |
| 15° | 335 | 92 |
| 25° | 153 | 71 |
| 35° | 42 | 28 |
| 45° | 7 | 6 |
| 55° | 1 | 1 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 485.7 |
| 1° | 483.8 |
| 2° | 481.1 |
| 3° | 477.4 |
| 4° | 472.9 |
| 5° | 467.4 |
| 6° | 460.1 |
| 7° | 451.0 |
| 8° | 439.1 |
| 9° | 426.3 |
| 10° | 413.5 |
| 11° | 398.0 |
| 12° | 383.4 |
| 13° | 367.0 |
| 14° | 351.5 |
| 15° | 335.0 |
| 16° | 317.7 |
| 17° | 299.4 |
| 18° | 281.2 |
| 19° | 262.0 |
| 20° | 241.9 |
| 21° | 221.8 |
| 22° | 203.6 |
| 23° | 186.2 |
| 24° | 169.8 |
| 25° | 153.4 |
| 26° | 137.8 |
| 27° | 125.1 |
| 28° | 111.4 |
| 29° | 98.6 |
| 30° | 87.6 |
| 32.5° | 62.1 |
| 35° | 42.0 |
| 37.5° | 29.2 |
| 40° | 18.3 |
| 42.5° | 11.9 |
| 45° | 7.3 |
| 47.5° | 4.6 |
| 50° | 2.7 |
| 52.5° | 1.8 |
| 55° | 0.9 |
| 57.5° | 0.9 |
| 60° | 0.9 |
| 62.5° | 0.0 |
| 65° | 0.0 |



TEST NUMBER: P247027
CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

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)