

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: METALUX

Report Number: P567906

Luminaire Tested: **8SNX-62SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-62SL-SLW-UNV-L830-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

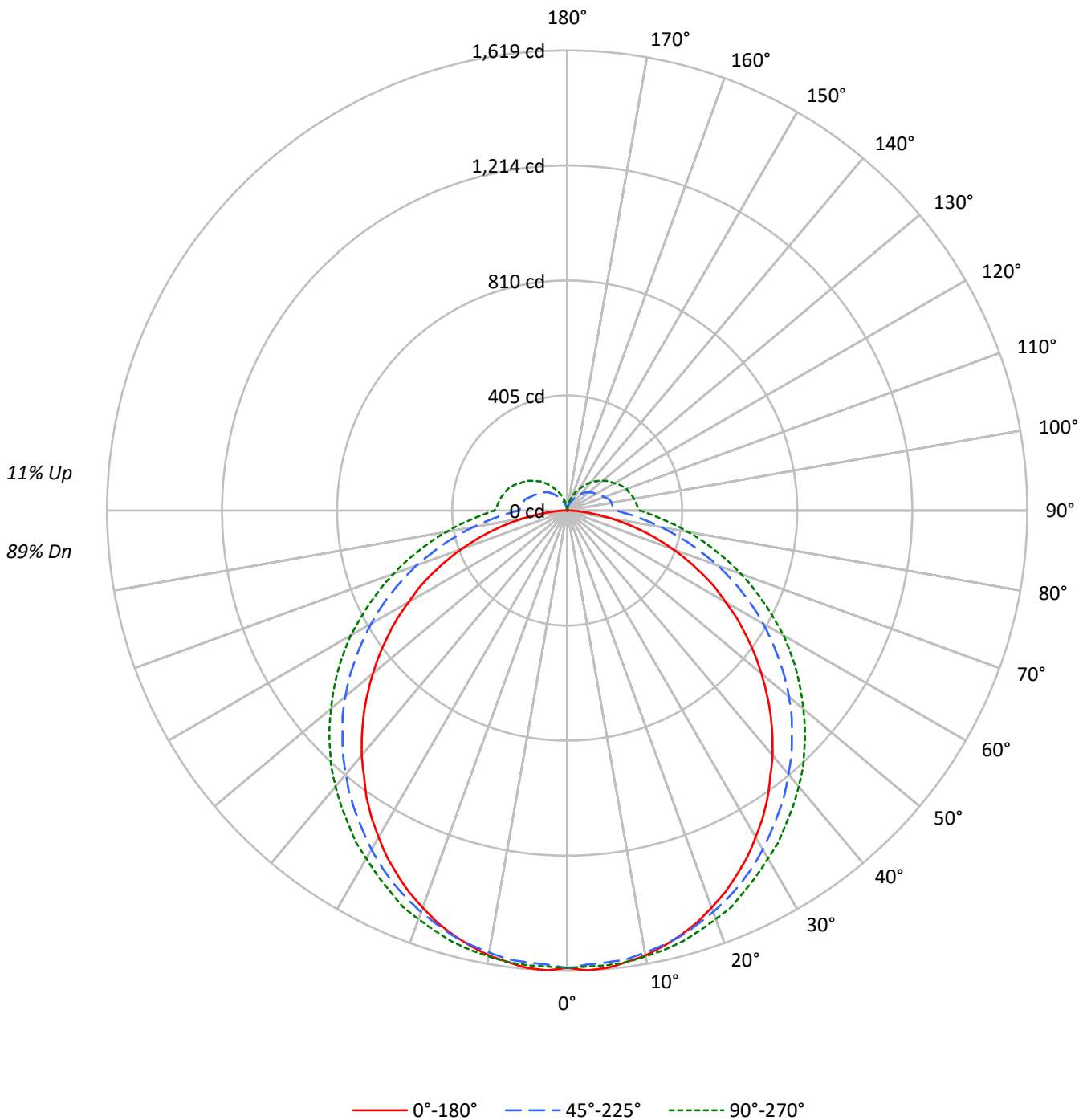
Lumens per Lamp: N/A
Luminaire Lumens: 5728.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): 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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CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L830-CD

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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 105 | 100 | 95 | 90 | 101 | 96 | 92 | 88 | 90 | 86 | 83 | 84 | 81 | 79 | 79 | 76 | 74 | 71 |
| 2 | 95 | 86 | 79 | 73 | 91 | 83 | 77 | 71 | 78 | 72 | 68 | 73 | 68 | 64 | 68 | 65 | 61 | 58 |
| 3 | 86 | 75 | 67 | 60 | 83 | 73 | 65 | 59 | 68 | 61 | 56 | 64 | 58 | 54 | 60 | 55 | 51 | 49 |
| 4 | 79 | 66 | 57 | 50 | 75 | 64 | 56 | 49 | 60 | 53 | 47 | 57 | 50 | 46 | 53 | 48 | 44 | 41 |
| 5 | 72 | 59 | 50 | 43 | 69 | 57 | 49 | 42 | 54 | 46 | 41 | 51 | 44 | 39 | 48 | 42 | 38 | 35 |
| 6 | 67 | 53 | 44 | 37 | 64 | 51 | 43 | 37 | 48 | 41 | 35 | 46 | 39 | 34 | 43 | 38 | 33 | 31 |
| 7 | 62 | 48 | 39 | 33 | 59 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 35 | 30 | 39 | 34 | 29 | 27 |
| 8 | 57 | 44 | 35 | 29 | 55 | 42 | 34 | 29 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 24 |
| 9 | 53 | 40 | 32 | 26 | 51 | 39 | 31 | 26 | 37 | 30 | 25 | 35 | 29 | 24 | 33 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 48 | 36 | 28 | 23 | 34 | 27 | 23 | 32 | 26 | 22 | 31 | 25 | 21 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8660 | 8660 | 8660 |
| 5° | 8720 | 8442 | 8430 |
| 10° | 8669 | 8277 | 8221 |
| 15° | 8590 | 8107 | 8029 |
| 20° | 8481 | 7910 | 7815 |
| 25° | 8352 | 7718 | 7591 |
| 30° | 8198 | 7507 | 7370 |
| 35° | 8028 | 7287 | 7163 |
| 40° | 7833 | 7071 | 6964 |
| 45° | 7623 | 6851 | 6748 |
| 50° | 7381 | 6618 | 6508 |
| 55° | 7117 | 6338 | 6272 |
| 60° | 6805 | 6038 | 6008 |
| 65° | 6489 | 5701 | 5676 |
| 70° | 6040 | 5330 | 5351 |
| 75° | 5445 | 4857 | 4991 |
| 80° | 4467 | 4377 | 4637 |
| 85° | 3296 | 3970 | 4273 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 152.8 | 2.7 |
| 10°-20° | 439.3 | 7.7 |
| 20°-30° | 667.9 | 11.7 |
| 30°-40° | 810.8 | 14.2 |
| 40°-50° | 856.8 | 15.0 |
| 50°-60° | 801.7 | 14.0 |
| 60°-70° | 657.8 | 11.5 |
| 70°-80° | 452.5 | 7.9 |
| 80°-90° | 247.8 | 4.3 |
| 90°-100° | 159.6 | 2.8 |
| 100°-110° | 143.2 | 2.5 |
| 110°-120° | 118.5 | 2.1 |
| 120°-130° | 91.3 | 1.6 |
| 130°-140° | 64.1 | 1.1 |
| 140°-150° | 38.6 | 0.7 |
| 150°-160° | 18.5 | 0.3 |
| 160°-170° | 6.1 | 0.1 |
| 170°-180° | 0.7 | 0.0 |
| 0°-30° | 1260.0 | 22.0 |
| 0°-40° | 2070.8 | 36.2 |
| 0°-60° | 3729.4 | 65.1 |
| 0°-90° | 5087.4 | 88.8 |
| 90°-120° | 421.2 | 7.4 |
| 90°-150° | 615.3 | 10.7 |
| 90°-180° | 641.0 | 11.2 |
| 0°-180° | 5728.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1609 | 1609 | 1609 | 1609 | 1609 | |
| 5° | 1616 | 1612 | 1596 | 1609 | 1606 | 153 |
| 15° | 1546 | 1553 | 1549 | 1569 | 1569 | 436 |
| 25° | 1413 | 1430 | 1446 | 1476 | 1476 | 651 |
| 35° | 1231 | 1261 | 1297 | 1334 | 1344 | 769 |
| 45° | 1012 | 1058 | 1118 | 1168 | 1181 | 780 |
| 55° | 770 | 833 | 909 | 965 | 985 | 689 |
| 65° | 521 | 590 | 680 | 743 | 763 | 516 |
| 75° | 272 | 345 | 445 | 514 | 537 | 286 |
| 85° | 60 | 143 | 242 | 308 | 332 | 69 |
| 90° | 0 | 80 | 169 | 232 | 256 | 4 |
| 95° | 0 | 76 | 163 | 222 | 246 | 0 |
| 105° | 0 | 63 | 153 | 209 | 229 | 2 |
| 115° | 3 | 56 | 129 | 186 | 209 | 3 |
| 125° | 3 | 46 | 110 | 159 | 179 | 3 |
| 135° | 3 | 36 | 90 | 129 | 146 | 3 |
| 145° | 3 | 26 | 63 | 100 | 110 | 2 |
| 155° | 3 | 17 | 40 | 63 | 73 | 2 |
| 165° | 3 | 10 | 20 | 30 | 36 | 1 |
| 175° | 3 | 3 | 7 | 7 | 3 | 0 |
| 180° | 3 | 3 | 3 | 3 | 3 | |



TEST NUMBER: P567906

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 1609.0 | 1609.0 | 1609.0 | 1609.0 | 1609.0 |
| 2.5° | 1619.0 | 1615.6 | 1599.1 | 1612.3 | 1605.7 |
| 5° | 1615.6 | 1612.3 | 1595.7 | 1609.0 | 1605.7 |
| 7.5° | 1602.4 | 1602.4 | 1592.4 | 1605.7 | 1602.4 |
| 10° | 1589.1 | 1589.1 | 1579.2 | 1595.7 | 1592.4 |
| 12.5° | 1569.2 | 1572.5 | 1565.9 | 1585.8 | 1582.5 |
| 15° | 1546.0 | 1552.6 | 1549.3 | 1569.2 | 1569.2 |
| 17.5° | 1519.4 | 1526.1 | 1526.1 | 1549.3 | 1549.3 |
| 20° | 1486.3 | 1496.2 | 1502.8 | 1529.4 | 1529.4 |
| 22.5° | 1453.1 | 1466.4 | 1476.3 | 1499.5 | 1509.5 |
| 25° | 1413.3 | 1429.9 | 1446.4 | 1476.3 | 1476.3 |
| 27.5° | 1373.5 | 1393.4 | 1413.3 | 1443.1 | 1446.4 |
| 30° | 1327.0 | 1350.2 | 1376.8 | 1406.6 | 1413.3 |
| 32.5° | 1280.6 | 1310.4 | 1337.0 | 1373.5 | 1383.4 |
| 35° | 1230.8 | 1260.7 | 1297.2 | 1333.7 | 1343.6 |
| 37.5° | 1174.4 | 1210.9 | 1257.3 | 1297.2 | 1307.1 |
| 40° | 1124.6 | 1164.5 | 1210.9 | 1257.3 | 1267.3 |
| 42.5° | 1068.2 | 1111.4 | 1167.8 | 1210.9 | 1227.5 |
| 45° | 1011.9 | 1058.3 | 1118.0 | 1167.8 | 1181.0 |
| 47.5° | 952.1 | 1005.2 | 1071.6 | 1118.0 | 1134.6 |
| 50° | 892.4 | 948.8 | 1018.5 | 1071.6 | 1084.8 |
| 52.5° | 832.7 | 892.4 | 965.4 | 1018.5 | 1035.1 |
| 55° | 769.7 | 832.7 | 909.0 | 965.4 | 985.3 |
| 57.5° | 710.0 | 773.0 | 852.6 | 912.3 | 932.2 |
| 60° | 643.6 | 716.6 | 796.2 | 855.9 | 879.1 |
| 62.5° | 587.2 | 653.6 | 739.8 | 799.5 | 819.4 |
| 65° | 520.9 | 590.5 | 680.1 | 743.1 | 763.0 |
| 67.5° | 457.8 | 530.8 | 620.4 | 686.7 | 706.6 |
| 70° | 394.8 | 467.8 | 564.0 | 627.0 | 650.2 |
| 72.5° | 331.8 | 408.1 | 500.9 | 570.6 | 593.8 |
| 75° | 272.0 | 345.0 | 444.6 | 514.2 | 537.4 |
| 77.5° | 209.0 | 288.6 | 388.2 | 457.8 | 484.4 |
| 80° | 152.6 | 235.5 | 335.1 | 404.7 | 431.3 |
| 82.5° | 102.8 | 185.8 | 285.3 | 355.0 | 381.5 |
| 85° | 59.7 | 142.7 | 242.2 | 308.5 | 331.8 |
| 87.5° | 29.9 | 109.5 | 202.4 | 268.7 | 291.9 |
| 90° | 0.0 | 79.6 | 169.2 | 232.2 | 255.5 |
| 92.5° | 0.0 | 76.3 | 165.9 | 225.6 | 248.8 |
| 95° | 0.0 | 76.3 | 162.6 | 222.3 | 245.5 |
| 97.5° | 0.0 | 73.0 | 159.2 | 222.3 | 242.2 |
| 100° | 0.0 | 69.7 | 159.2 | 219.0 | 238.9 |
| 102.5° | 0.0 | 66.4 | 155.9 | 215.6 | 235.5 |
| 105° | 0.0 | 63.0 | 152.6 | 209.0 | 228.9 |
| 107.5° | 3.3 | 63.0 | 146.0 | 205.7 | 225.6 |
| 110° | 3.3 | 59.7 | 139.3 | 202.4 | 222.3 |



TEST NUMBER: P567906

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 3.3 | 56.4 | 132.7 | 195.7 | 215.6 |
| 115° | 3.3 | 56.4 | 129.4 | 185.8 | 209.0 |
| 117.5° | 3.3 | 53.1 | 122.7 | 179.1 | 202.4 |
| 120° | 3.3 | 53.1 | 119.4 | 172.5 | 192.4 |
| 122.5° | 3.3 | 49.8 | 112.8 | 165.9 | 185.8 |
| 125° | 3.3 | 46.4 | 109.5 | 159.2 | 179.1 |
| 127.5° | 3.3 | 43.1 | 106.2 | 152.6 | 172.5 |
| 130° | 3.3 | 39.8 | 99.5 | 146.0 | 162.6 |
| 132.5° | 3.3 | 39.8 | 96.2 | 136.0 | 155.9 |
| 135° | 3.3 | 36.5 | 89.6 | 129.4 | 146.0 |
| 137.5° | 3.3 | 33.2 | 82.9 | 122.7 | 139.3 |
| 140° | 3.3 | 29.9 | 76.3 | 116.1 | 129.4 |
| 142.5° | 3.3 | 29.9 | 69.7 | 106.2 | 119.4 |
| 145° | 3.3 | 26.5 | 63.0 | 99.5 | 109.5 |
| 147.5° | 3.3 | 23.2 | 56.4 | 89.6 | 99.5 |
| 150° | 3.3 | 23.2 | 49.8 | 79.6 | 89.6 |
| 152.5° | 3.3 | 19.9 | 43.1 | 73.0 | 82.9 |
| 155° | 3.3 | 16.6 | 39.8 | 63.0 | 73.0 |
| 157.5° | 3.3 | 16.6 | 33.2 | 53.1 | 63.0 |
| 160° | 3.3 | 13.3 | 29.9 | 43.1 | 53.1 |
| 162.5° | 3.3 | 13.3 | 26.5 | 36.5 | 46.4 |
| 165° | 3.3 | 10.0 | 19.9 | 29.9 | 36.5 |
| 167.5° | 3.3 | 10.0 | 16.6 | 23.2 | 29.9 |
| 170° | 3.3 | 6.6 | 13.3 | 16.6 | 23.2 |
| 172.5° | 3.3 | 6.6 | 10.0 | 10.0 | 10.0 |
| 175° | 3.3 | 3.3 | 6.6 | 6.6 | 3.3 |
| 177.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 180° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |

(END OF REPORT)