

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: P566647

Luminaire Tested: **4SNX-60SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566647  
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: 4SNX-60SL-SLW-UNV-L835-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

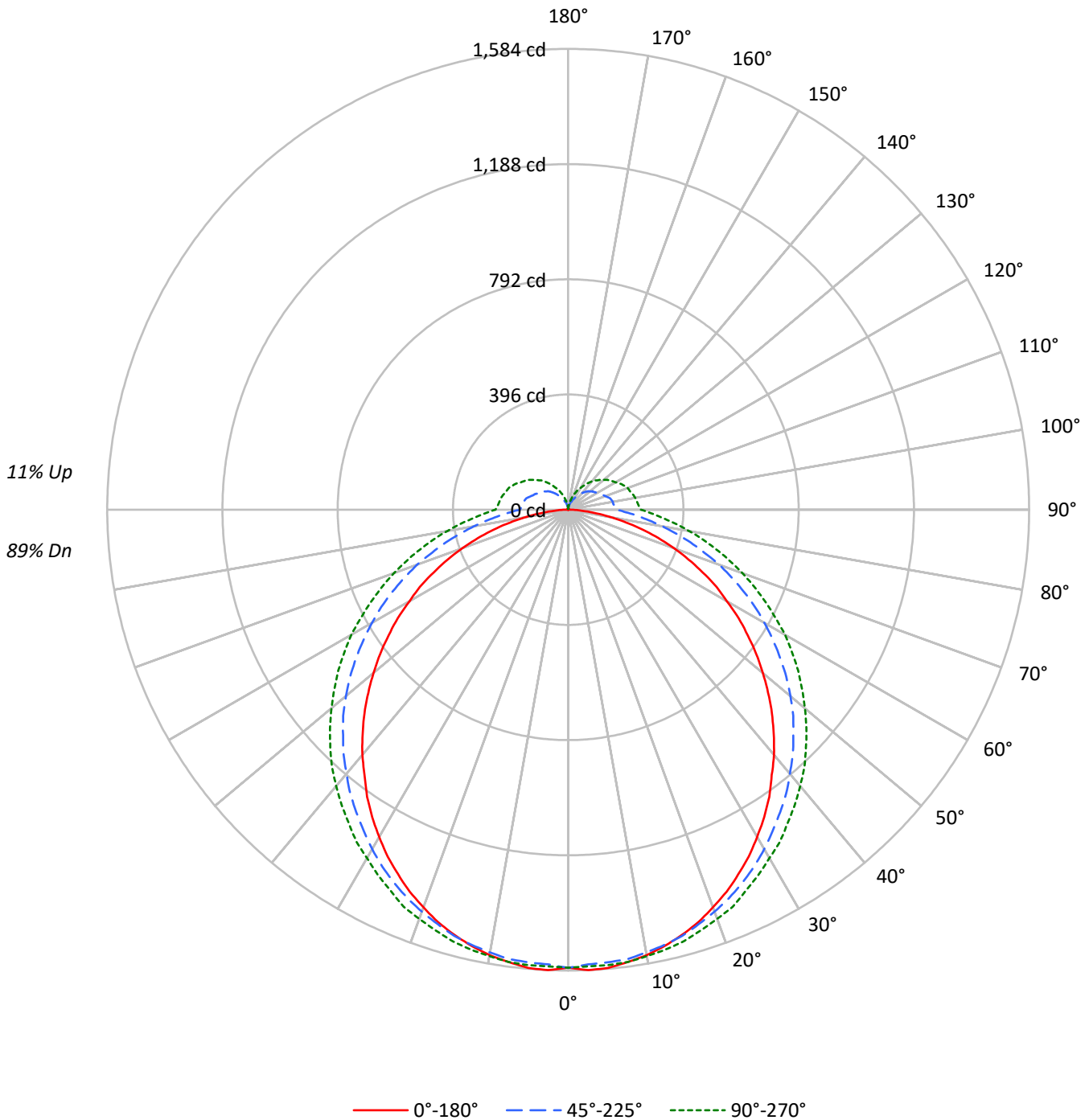
Lumens per Lamp: N/A  
Luminaire Lumens: 5605.0 lumens  
Efficiency: N/A  
Efficacy: 133.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 42  
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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### 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°  | 16948 | 16948 | 16948 |
| 5°  | 17052 | 16512 | 16498 |
| 10° | 16934 | 16177 | 16089 |
| 15° | 16765 | 15835 | 15713 |
| 20° | 16534 | 15443 | 15294 |
| 25° | 16267 | 15059 | 14857 |
| 30° | 15948 | 14637 | 14423 |
| 35° | 15600 | 14199 | 14018 |
| 40° | 15199 | 13768 | 13628 |
| 45° | 14765 | 13329 | 13208 |
| 50° | 14271 | 12865 | 12736 |
| 55° | 13726 | 12308 | 12275 |
| 60° | 13088 | 11712 | 11759 |
| 65° | 12429 | 11043 | 11109 |
| 70° | 11502 | 10306 | 10473 |
| 75° | 10275 | 9369  | 9768  |
| 80° | 8280  | 8418  | 9074  |
| 85° | 5830  | 7601  | 8361  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.5  | 2.7       |
| 10°-20°   | 429.8  | 7.7       |
| 20°-30°   | 653.6  | 11.7      |
| 30°-40°   | 793.4  | 14.2      |
| 40°-50°   | 838.4  | 15.0      |
| 50°-60°   | 784.5  | 14.0      |
| 60°-70°   | 643.7  | 11.5      |
| 70°-80°   | 442.7  | 7.9       |
| 80°-90°   | 242.5  | 4.3       |
| 90°-100°  | 156.1  | 2.8       |
| 100°-110° | 140.1  | 2.5       |
| 110°-120° | 116.0  | 2.1       |
| 120°-130° | 89.3   | 1.6       |
| 130°-140° | 62.7   | 1.1       |
| 140°-150° | 37.8   | 0.7       |
| 150°-160° | 18.1   | 0.3       |
| 160°-170° | 5.9    | 0.1       |
| 170°-180° | 0.7    | 0.0       |
| 0°-30°    | 1233.0 | 22.0      |
| 0°-40°    | 2026.4 | 36.2      |
| 0°-60°    | 3649.3 | 65.1      |
| 0°-90°    | 4978.2 | 88.8      |
| 90°-120°  | 412.2  | 7.4       |
| 90°-150°  | 602.0  | 10.7      |
| 90°-180°  | 627.0  | 11.2      |
| 0°-180°   | 5605.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1574 | 1574  | 1574 | 1574  | 1574 |      |
| 5°   | 1581 | 1578  | 1562 | 1574  | 1571 | 150  |
| 15°  | 1513 | 1519  | 1516 | 1536  | 1536 | 427  |
| 25°  | 1383 | 1399  | 1415 | 1445  | 1445 | 637  |
| 35°  | 1204 | 1234  | 1269 | 1305  | 1315 | 752  |
| 45°  | 990  | 1036  | 1094 | 1143  | 1156 | 763  |
| 55°  | 753  | 815   | 890  | 945   | 964  | 674  |
| 65°  | 510  | 578   | 666  | 727   | 747  | 505  |
| 75°  | 266  | 338   | 435  | 503   | 526  | 280  |
| 85°  | 58   | 140   | 237  | 302   | 325  | 67   |
| 90°  | 0    | 78    | 166  | 227   | 250  | 4    |
| 95°  | 0    | 75    | 159  | 218   | 240  | 0    |
| 105° | 0    | 62    | 149  | 204   | 224  | 2    |
| 115° | 3    | 55    | 127  | 182   | 204  | 3    |
| 125° | 3    | 45    | 107  | 156   | 175  | 3    |
| 135° | 3    | 36    | 88   | 127   | 143  | 2    |
| 145° | 3    | 26    | 62   | 97    | 107  | 2    |
| 155° | 3    | 16    | 39   | 62    | 71   | 1    |
| 165° | 3    | 10    | 20   | 29    | 36   | 1    |
| 175° | 3    | 3     | 6    | 6     | 3    | 0    |
| 180° | 3    | 3     | 3    | 3     | 3    |      |



TEST NUMBER: P566647

CATALOG NUMBER: 4SNX-60SL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1574.5 | 1574.5 | 1574.5 | 1574.5 | 1574.5 |
| 2.5°   | 1584.2 | 1581.0 | 1564.7 | 1577.7 | 1571.2 |
| 5°     | 1581.0 | 1577.7 | 1561.5 | 1574.5 | 1571.2 |
| 7.5°   | 1568.0 | 1568.0 | 1558.2 | 1571.2 | 1568.0 |
| 10°    | 1555.0 | 1555.0 | 1545.2 | 1561.5 | 1558.2 |
| 12.5°  | 1535.5 | 1538.7 | 1532.3 | 1551.7 | 1548.5 |
| 15°    | 1512.8 | 1519.3 | 1516.0 | 1535.5 | 1535.5 |
| 17.5°  | 1486.8 | 1493.3 | 1493.3 | 1516.0 | 1516.0 |
| 20°    | 1454.3 | 1464.1 | 1470.6 | 1496.5 | 1496.5 |
| 22.5°  | 1421.9 | 1434.9 | 1444.6 | 1467.3 | 1477.1 |
| 25°    | 1382.9 | 1399.2 | 1415.4 | 1444.6 | 1444.6 |
| 27.5°  | 1344.0 | 1363.4 | 1382.9 | 1412.1 | 1415.4 |
| 30°    | 1298.5 | 1321.2 | 1347.2 | 1376.4 | 1382.9 |
| 32.5°  | 1253.1 | 1282.3 | 1308.3 | 1344.0 | 1353.7 |
| 35°    | 1204.4 | 1233.6 | 1269.3 | 1305.0 | 1314.8 |
| 37.5°  | 1149.2 | 1184.9 | 1230.3 | 1269.3 | 1279.0 |
| 40°    | 1100.5 | 1139.5 | 1184.9 | 1230.3 | 1240.1 |
| 42.5°  | 1045.3 | 1087.5 | 1142.7 | 1184.9 | 1201.1 |
| 45°    | 990.1  | 1035.6 | 1094.0 | 1142.7 | 1155.7 |
| 47.5°  | 931.7  | 983.6  | 1048.6 | 1094.0 | 1110.2 |
| 50°    | 873.3  | 928.4  | 996.6  | 1048.6 | 1061.5 |
| 52.5°  | 814.8  | 873.3  | 944.7  | 996.6  | 1012.8 |
| 55°    | 753.1  | 814.8  | 889.5  | 944.7  | 964.2  |
| 57.5°  | 694.7  | 756.4  | 834.3  | 892.7  | 912.2  |
| 60°    | 629.8  | 701.2  | 779.1  | 837.5  | 860.3  |
| 62.5°  | 574.6  | 639.5  | 723.9  | 782.4  | 801.8  |
| 65°    | 509.7  | 577.8  | 665.5  | 727.2  | 746.7  |
| 67.5°  | 448.0  | 519.4  | 607.1  | 672.0  | 691.5  |
| 70°    | 386.3  | 457.7  | 551.9  | 613.6  | 636.3  |
| 72.5°  | 324.6  | 399.3  | 490.2  | 558.4  | 581.1  |
| 75°    | 266.2  | 337.6  | 435.0  | 503.2  | 525.9  |
| 77.5°  | 204.5  | 282.4  | 379.8  | 448.0  | 474.0  |
| 80°    | 149.3  | 230.5  | 327.9  | 396.0  | 422.0  |
| 82.5°  | 100.6  | 181.8  | 279.2  | 347.4  | 373.3  |
| 85°    | 58.4   | 139.6  | 237.0  | 301.9  | 324.6  |
| 87.5°  | 29.2   | 107.1  | 198.0  | 263.0  | 285.7  |
| 90°    | 0.0    | 77.9   | 165.6  | 227.2  | 250.0  |
| 92.5°  | 0.0    | 74.7   | 162.3  | 220.7  | 243.5  |
| 95°    | 0.0    | 74.7   | 159.1  | 217.5  | 240.2  |
| 97.5°  | 0.0    | 71.4   | 155.8  | 217.5  | 237.0  |
| 100°   | 0.0    | 68.2   | 155.8  | 214.3  | 233.7  |
| 102.5° | 0.0    | 64.9   | 152.6  | 211.0  | 230.5  |
| 105°   | 0.0    | 61.7   | 149.3  | 204.5  | 224.0  |
| 107.5° | 3.2    | 61.7   | 142.8  | 201.3  | 220.7  |
| 110°   | 3.2    | 58.4   | 136.3  | 198.0  | 217.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 3.2 | 55.2  | 129.9 | 191.5 | 211.0 |
| 115°   | 3.2 | 55.2  | 126.6 | 181.8 | 204.5 |
| 117.5° | 3.2 | 51.9  | 120.1 | 175.3 | 198.0 |
| 120°   | 3.2 | 51.9  | 116.9 | 168.8 | 188.3 |
| 122.5° | 3.2 | 48.7  | 110.4 | 162.3 | 181.8 |
| 125°   | 3.2 | 45.4  | 107.1 | 155.8 | 175.3 |
| 127.5° | 3.2 | 42.2  | 103.9 | 149.3 | 168.8 |
| 130°   | 3.2 | 39.0  | 97.4  | 142.8 | 159.1 |
| 132.5° | 3.2 | 39.0  | 94.1  | 133.1 | 152.6 |
| 135°   | 3.2 | 35.7  | 87.7  | 126.6 | 142.8 |
| 137.5° | 3.2 | 32.5  | 81.2  | 120.1 | 136.3 |
| 140°   | 3.2 | 29.2  | 74.7  | 113.6 | 126.6 |
| 142.5° | 3.2 | 29.2  | 68.2  | 103.9 | 116.9 |
| 145°   | 3.2 | 26.0  | 61.7  | 97.4  | 107.1 |
| 147.5° | 3.2 | 22.7  | 55.2  | 87.7  | 97.4  |
| 150°   | 3.2 | 22.7  | 48.7  | 77.9  | 87.7  |
| 152.5° | 3.2 | 19.5  | 42.2  | 71.4  | 81.2  |
| 155°   | 3.2 | 16.2  | 39.0  | 61.7  | 71.4  |
| 157.5° | 3.2 | 16.2  | 32.5  | 51.9  | 61.7  |
| 160°   | 3.2 | 13.0  | 29.2  | 42.2  | 51.9  |
| 162.5° | 3.2 | 13.0  | 26.0  | 35.7  | 45.4  |
| 165°   | 3.2 | 9.7   | 19.5  | 29.2  | 35.7  |
| 167.5° | 3.2 | 9.7   | 16.2  | 22.7  | 29.2  |
| 170°   | 3.2 | 6.5   | 13.0  | 16.2  | 22.7  |
| 172.5° | 3.2 | 6.5   | 9.7   | 9.7   | 9.7   |
| 175°   | 3.2 | 3.2   | 6.5   | 6.5   | 3.2   |
| 177.5° | 3.2 | 3.2   | 3.2   | 3.2   | 3.2   |
| 180°   | 3.2 | 3.2   | 3.2   | 3.2   | 3.2   |

(END OF REPORT)