

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: P566605

Luminaire Tested: **4SNX-57SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566605  
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-57SL-SLW-UNV-L950-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

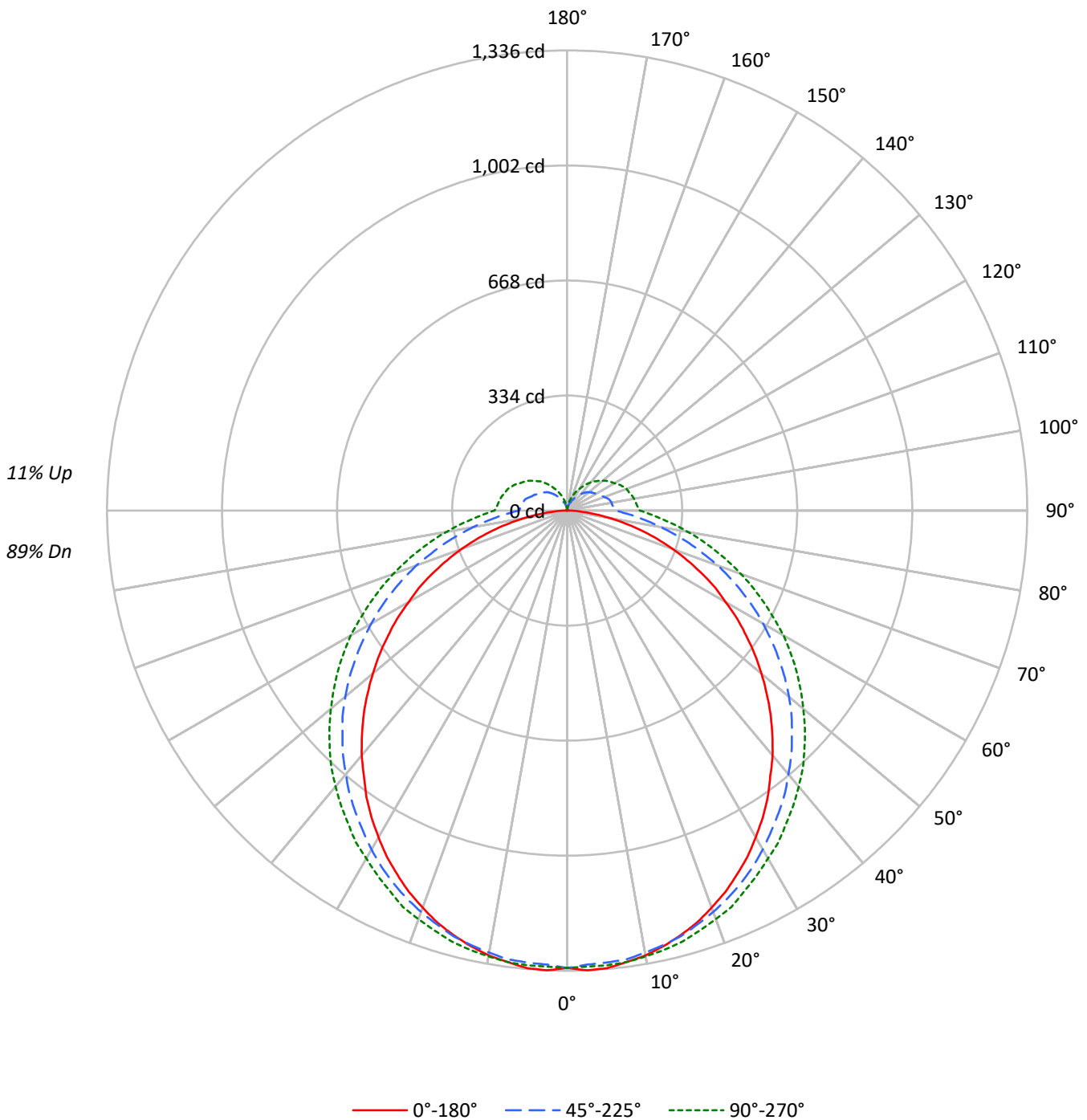
Lumens per Lamp: N/A  
Luminaire Lumens: 4726.9 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 39.7  
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°  | 14292 | 14292 | 14292 |
| 5°  | 14380 | 13925 | 13914 |
| 10° | 14281 | 13644 | 13569 |
| 15° | 14138 | 13355 | 13252 |
| 20° | 13944 | 13024 | 12898 |
| 25° | 13719 | 12700 | 12530 |
| 30° | 13450 | 12344 | 12164 |
| 35° | 13155 | 11975 | 11822 |
| 40° | 12818 | 11611 | 11493 |
| 45° | 12452 | 11241 | 11139 |
| 50° | 12036 | 10850 | 10742 |
| 55° | 11577 | 10381 | 10351 |
| 60° | 11037 | 9878  | 9916  |
| 65° | 10480 | 9312  | 9368  |
| 70° | 9700  | 8691  | 8832  |
| 75° | 8666  | 7902  | 8238  |
| 80° | 6982  | 7098  | 7653  |
| 85° | 4921  | 6411  | 7052  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.1  | 2.7       |
| 10°-20°   | 362.5  | 7.7       |
| 20°-30°   | 551.2  | 11.7      |
| 30°-40°   | 669.1  | 14.2      |
| 40°-50°   | 707.1  | 15.0      |
| 50°-60°   | 661.6  | 14.0      |
| 60°-70°   | 542.9  | 11.5      |
| 70°-80°   | 373.4  | 7.9       |
| 80°-90°   | 204.5  | 4.3       |
| 90°-100°  | 131.7  | 2.8       |
| 100°-110° | 118.2  | 2.5       |
| 110°-120° | 97.8   | 2.1       |
| 120°-130° | 75.3   | 1.6       |
| 130°-140° | 52.9   | 1.1       |
| 140°-150° | 31.9   | 0.7       |
| 150°-160° | 15.3   | 0.3       |
| 160°-170° | 5.0    | 0.1       |
| 170°-180° | 0.6    | 0.0       |
| 0°-30°    | 1039.8 | 22.0      |
| 0°-40°    | 1708.9 | 36.2      |
| 0°-60°    | 3077.6 | 65.1      |
| 0°-90°    | 4198.3 | 88.8      |
| 90°-120°  | 347.6  | 7.4       |
| 90°-150°  | 507.7  | 10.7      |
| 90°-180°  | 529.0  | 11.2      |
| 0°-180°   | 4726.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1328 | 1328  | 1328 | 1328  | 1328 |      |
| 5°   | 1333 | 1331  | 1317 | 1328  | 1325 | 126  |
| 15°  | 1276 | 1281  | 1278 | 1295  | 1295 | 360  |
| 25°  | 1166 | 1180  | 1194 | 1218  | 1218 | 537  |
| 35°  | 1016 | 1040  | 1070 | 1101  | 1109 | 634  |
| 45°  | 835  | 873   | 923  | 964   | 975  | 644  |
| 55°  | 635  | 687   | 750  | 797   | 813  | 568  |
| 65°  | 430  | 487   | 561  | 613   | 630  | 426  |
| 75°  | 224  | 285   | 367  | 424   | 444  | 236  |
| 85°  | 49   | 118   | 200  | 255   | 274  | 57   |
| 90°  | 0    | 66    | 140  | 192   | 211  | 3    |
| 95°  | 0    | 63    | 134  | 183   | 203  | 0    |
| 105° | 0    | 52    | 126  | 172   | 189  | 2    |
| 115° | 3    | 46    | 107  | 153   | 172  | 3    |
| 125° | 3    | 38    | 90   | 131   | 148  | 2    |
| 135° | 3    | 30    | 74   | 107   | 120  | 2    |
| 145° | 3    | 22    | 52   | 82    | 90   | 2    |
| 155° | 3    | 14    | 33   | 52    | 60   | 1    |
| 165° | 3    | 8     | 16   | 25    | 30   | 1    |
| 175° | 3    | 3     | 6    | 6     | 3    | 0    |
| 180° | 3    | 3     | 3    | 3     | 3    |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1327.8 | 1327.8 | 1327.8 | 1327.8 | 1327.8 |
| 2.5°   | 1336.0 | 1333.3 | 1319.6 | 1330.6 | 1325.1 |
| 5°     | 1333.3 | 1330.6 | 1316.9 | 1327.8 | 1325.1 |
| 7.5°   | 1322.3 | 1322.3 | 1314.1 | 1325.1 | 1322.3 |
| 10°    | 1311.4 | 1311.4 | 1303.2 | 1316.9 | 1314.1 |
| 12.5°  | 1295.0 | 1297.7 | 1292.2 | 1308.7 | 1305.9 |
| 15°    | 1275.8 | 1281.3 | 1278.5 | 1295.0 | 1295.0 |
| 17.5°  | 1253.9 | 1259.4 | 1259.4 | 1278.5 | 1278.5 |
| 20°    | 1226.5 | 1234.7 | 1240.2 | 1262.1 | 1262.1 |
| 22.5°  | 1199.1 | 1210.1 | 1218.3 | 1237.5 | 1245.7 |
| 25°    | 1166.3 | 1180.0 | 1193.7 | 1218.3 | 1218.3 |
| 27.5°  | 1133.4 | 1149.9 | 1166.3 | 1190.9 | 1193.7 |
| 30°    | 1095.1 | 1114.3 | 1136.2 | 1160.8 | 1166.3 |
| 32.5°  | 1056.8 | 1081.4 | 1103.3 | 1133.4 | 1141.7 |
| 35°    | 1015.7 | 1040.4 | 1070.5 | 1100.6 | 1108.8 |
| 37.5°  | 969.2  | 999.3  | 1037.6 | 1070.5 | 1078.7 |
| 40°    | 928.1  | 961.0  | 999.3  | 1037.6 | 1045.8 |
| 42.5°  | 881.6  | 917.2  | 963.7  | 999.3  | 1013.0 |
| 45°    | 835.0  | 873.4  | 922.6  | 963.7  | 974.7  |
| 47.5°  | 785.7  | 829.5  | 884.3  | 922.6  | 936.3  |
| 50°    | 736.5  | 783.0  | 840.5  | 884.3  | 895.3  |
| 52.5°  | 687.2  | 736.5  | 796.7  | 840.5  | 854.2  |
| 55°    | 635.2  | 687.2  | 750.2  | 796.7  | 813.1  |
| 57.5°  | 585.9  | 637.9  | 703.6  | 752.9  | 769.3  |
| 60°    | 531.1  | 591.4  | 657.1  | 706.3  | 725.5  |
| 62.5°  | 484.6  | 539.3  | 610.5  | 659.8  | 676.2  |
| 65°    | 429.8  | 487.3  | 561.2  | 613.3  | 629.7  |
| 67.5°  | 377.8  | 438.0  | 512.0  | 566.7  | 583.1  |
| 70°    | 325.8  | 386.0  | 465.4  | 517.4  | 536.6  |
| 72.5°  | 273.8  | 336.7  | 413.4  | 470.9  | 490.1  |
| 75°    | 224.5  | 284.7  | 366.9  | 424.4  | 443.5  |
| 77.5°  | 172.5  | 238.2  | 320.3  | 377.8  | 399.7  |
| 80°    | 125.9  | 194.4  | 276.5  | 334.0  | 355.9  |
| 82.5°  | 84.9   | 153.3  | 235.4  | 292.9  | 314.8  |
| 85°    | 49.3   | 117.7  | 199.9  | 254.6  | 273.8  |
| 87.5°  | 24.6   | 90.3   | 167.0  | 221.8  | 240.9  |
| 90°    | 0.0    | 65.7   | 139.6  | 191.6  | 210.8  |
| 92.5°  | 0.0    | 63.0   | 136.9  | 186.2  | 205.3  |
| 95°    | 0.0    | 63.0   | 134.2  | 183.4  | 202.6  |
| 97.5°  | 0.0    | 60.2   | 131.4  | 183.4  | 199.9  |
| 100°   | 0.0    | 57.5   | 131.4  | 180.7  | 197.1  |
| 102.5° | 0.0    | 54.8   | 128.7  | 178.0  | 194.4  |
| 105°   | 0.0    | 52.0   | 125.9  | 172.5  | 188.9  |
| 107.5° | 2.7    | 52.0   | 120.5  | 169.7  | 186.2  |
| 110°   | 2.7    | 49.3   | 115.0  | 167.0  | 183.4  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 2.7 | 46.5  | 109.5 | 161.5 | 178.0 |
| 115°   | 2.7 | 46.5  | 106.8 | 153.3 | 172.5 |
| 117.5° | 2.7 | 43.8  | 101.3 | 147.8 | 167.0 |
| 120°   | 2.7 | 43.8  | 98.6  | 142.4 | 158.8 |
| 122.5° | 2.7 | 41.1  | 93.1  | 136.9 | 153.3 |
| 125°   | 2.7 | 38.3  | 90.3  | 131.4 | 147.8 |
| 127.5° | 2.7 | 35.6  | 87.6  | 125.9 | 142.4 |
| 130°   | 2.7 | 32.9  | 82.1  | 120.5 | 134.2 |
| 132.5° | 2.7 | 32.9  | 79.4  | 112.2 | 128.7 |
| 135°   | 2.7 | 30.1  | 73.9  | 106.8 | 120.5 |
| 137.5° | 2.7 | 27.4  | 68.4  | 101.3 | 115.0 |
| 140°   | 2.7 | 24.6  | 63.0  | 95.8  | 106.8 |
| 142.5° | 2.7 | 24.6  | 57.5  | 87.6  | 98.6  |
| 145°   | 2.7 | 21.9  | 52.0  | 82.1  | 90.3  |
| 147.5° | 2.7 | 19.2  | 46.5  | 73.9  | 82.1  |
| 150°   | 2.7 | 19.2  | 41.1  | 65.7  | 73.9  |
| 152.5° | 2.7 | 16.4  | 35.6  | 60.2  | 68.4  |
| 155°   | 2.7 | 13.7  | 32.9  | 52.0  | 60.2  |
| 157.5° | 2.7 | 13.7  | 27.4  | 43.8  | 52.0  |
| 160°   | 2.7 | 11.0  | 24.6  | 35.6  | 43.8  |
| 162.5° | 2.7 | 11.0  | 21.9  | 30.1  | 38.3  |
| 165°   | 2.7 | 8.2   | 16.4  | 24.6  | 30.1  |
| 167.5° | 2.7 | 8.2   | 13.7  | 19.2  | 24.6  |
| 170°   | 2.7 | 5.5   | 11.0  | 13.7  | 19.2  |
| 172.5° | 2.7 | 5.5   | 8.2   | 8.2   | 8.2   |
| 175°   | 2.7 | 2.7   | 5.5   | 5.5   | 2.7   |
| 177.5° | 2.7 | 2.7   | 2.7   | 2.7   | 2.7   |
| 180°   | 2.7 | 2.7   | 2.7   | 2.7   | 2.7   |

(END OF REPORT)