

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: P567865

Luminaire Tested: **8SNX-52SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567865  
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-52SL-SLW-UNV-L950-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

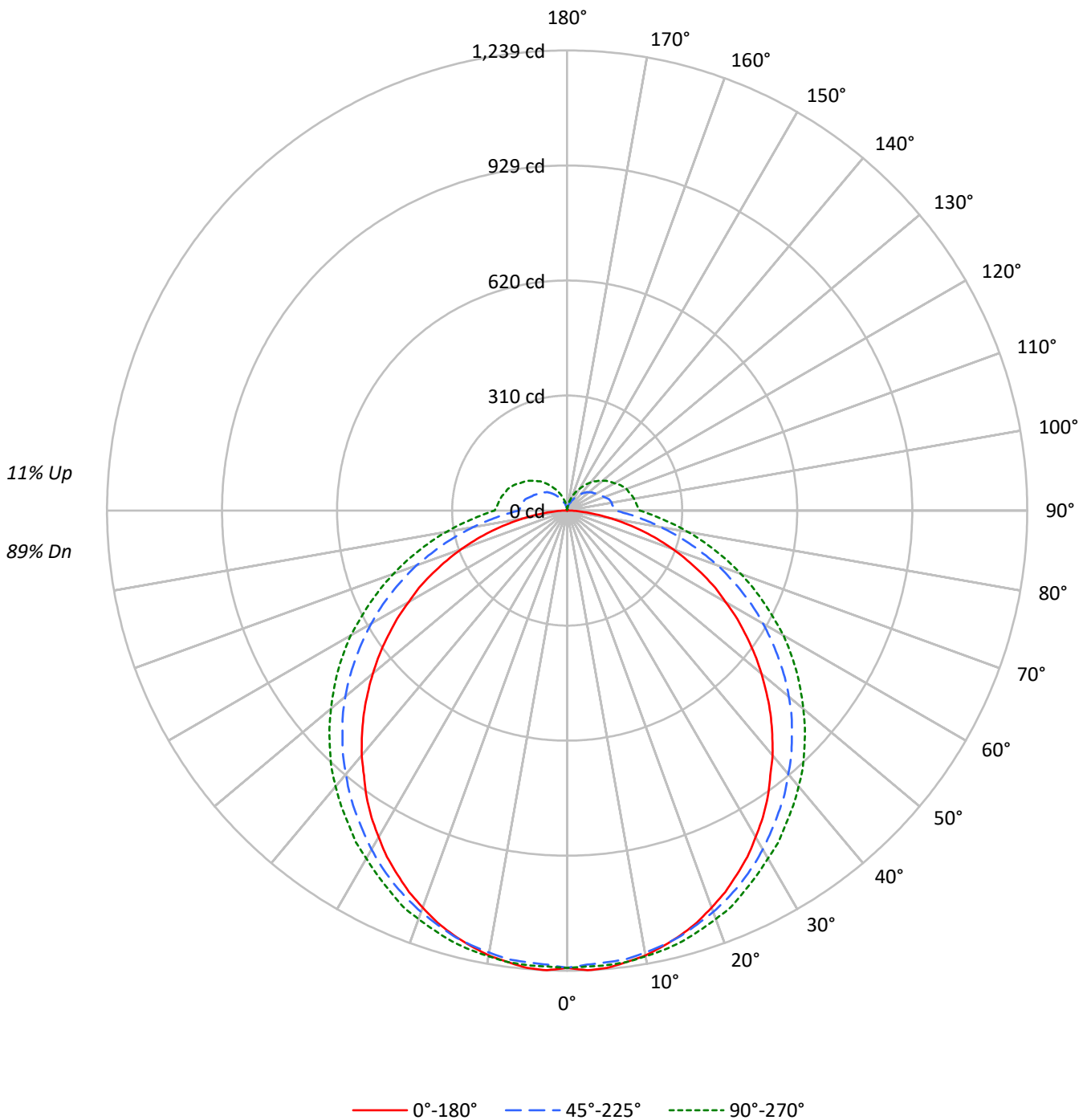
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4383.0 lumens  
Efficiency: N/A  
Efficacy: 133.6 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): 32.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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  | 76  | 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°  | 6626 | 6626 | 6626 |
| 5°  | 6673 | 6460 | 6451 |
| 10° | 6633 | 6333 | 6291 |
| 15° | 6573 | 6203 | 6144 |
| 20° | 6489 | 6053 | 5980 |
| 25° | 6391 | 5906 | 5809 |
| 30° | 6273 | 5744 | 5639 |
| 35° | 6143 | 5576 | 5481 |
| 40° | 5994 | 5411 | 5328 |
| 45° | 5833 | 5242 | 5164 |
| 50° | 5648 | 5064 | 4980 |
| 55° | 5445 | 4850 | 4799 |
| 60° | 5208 | 4621 | 4597 |
| 65° | 4966 | 4362 | 4343 |
| 70° | 4622 | 4079 | 4095 |
| 75° | 4168 | 3716 | 3819 |
| 80° | 3419 | 3349 | 3548 |
| 85° | 2523 | 3037 | 3270 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 116.9  | 2.7       |
| 10°-20°   | 336.1  | 7.7       |
| 20°-30°   | 511.1  | 11.7      |
| 30°-40°   | 620.4  | 14.2      |
| 40°-50°   | 655.6  | 15.0      |
| 50°-60°   | 613.5  | 14.0      |
| 60°-70°   | 503.4  | 11.5      |
| 70°-80°   | 346.2  | 7.9       |
| 80°-90°   | 189.6  | 4.3       |
| 90°-100°  | 122.1  | 2.8       |
| 100°-110° | 109.6  | 2.5       |
| 110°-120° | 90.7   | 2.1       |
| 120°-130° | 69.8   | 1.6       |
| 130°-140° | 49.1   | 1.1       |
| 140°-150° | 29.6   | 0.7       |
| 150°-160° | 14.2   | 0.3       |
| 160°-170° | 4.6    | 0.1       |
| 170°-180° | 0.6    | 0.0       |
| 0°-30°    | 964.2  | 22.0      |
| 0°-40°    | 1584.6 | 36.2      |
| 0°-60°    | 2853.7 | 65.1      |
| 0°-90°    | 3892.9 | 88.8      |
| 90°-120°  | 322.3  | 7.4       |
| 90°-150°  | 470.8  | 10.7      |
| 90°-180°  | 490.0  | 11.2      |
| 0°-180°   | 4383.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1231 | 1231  | 1231 | 1231  | 1231 |      |
| 5°   | 1236 | 1234  | 1221 | 1231  | 1229 | 117  |
| 15°  | 1183 | 1188  | 1186 | 1201  | 1201 | 334  |
| 25°  | 1081 | 1094  | 1107 | 1130  | 1130 | 498  |
| 35°  | 942  | 965   | 993  | 1020  | 1028 | 588  |
| 45°  | 774  | 810   | 856  | 894   | 904  | 597  |
| 55°  | 589  | 637   | 696  | 739   | 754  | 527  |
| 65°  | 399  | 452   | 520  | 569   | 584  | 395  |
| 75°  | 208  | 264   | 340  | 394   | 411  | 219  |
| 85°  | 46   | 109   | 185  | 236   | 254  | 53   |
| 90°  | 0    | 61    | 130  | 178   | 196  | 3    |
| 95°  | 0    | 58    | 124  | 170   | 188  | 0    |
| 105° | 0    | 48    | 117  | 160   | 175  | 2    |
| 115° | 2    | 43    | 99   | 142   | 160  | 2    |
| 125° | 2    | 36    | 84   | 122   | 137  | 2    |
| 135° | 2    | 28    | 68   | 99    | 112  | 2    |
| 145° | 2    | 20    | 48   | 76    | 84   | 2    |
| 155° | 2    | 13    | 30   | 48    | 56   | 1    |
| 165° | 2    | 8     | 15   | 23    | 28   | 1    |
| 175° | 2    | 2     | 5    | 5     | 2    | 0    |
| 180° | 2    | 2     | 2    | 2     | 2    |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1231.2 | 1231.2 | 1231.2 | 1231.2 | 1231.2 |
| 2.5°   | 1238.8 | 1236.3 | 1223.6 | 1233.7 | 1228.7 |
| 5°     | 1236.3 | 1233.7 | 1221.0 | 1231.2 | 1228.7 |
| 7.5°   | 1226.1 | 1226.1 | 1218.5 | 1228.7 | 1226.1 |
| 10°    | 1216.0 | 1216.0 | 1208.3 | 1221.0 | 1218.5 |
| 12.5°  | 1200.7 | 1203.3 | 1198.2 | 1213.4 | 1210.9 |
| 15°    | 1183.0 | 1188.0 | 1185.5 | 1200.7 | 1200.7 |
| 17.5°  | 1162.7 | 1167.7 | 1167.7 | 1185.5 | 1185.5 |
| 20°    | 1137.3 | 1144.9 | 1150.0 | 1170.3 | 1170.3 |
| 22.5°  | 1111.9 | 1122.0 | 1129.7 | 1147.4 | 1155.0 |
| 25°    | 1081.4 | 1094.1 | 1106.8 | 1129.7 | 1129.7 |
| 27.5°  | 1051.0 | 1066.2 | 1081.4 | 1104.3 | 1106.8 |
| 30°    | 1015.4 | 1033.2 | 1053.5 | 1076.3 | 1081.4 |
| 32.5°  | 979.9  | 1002.7 | 1023.0 | 1051.0 | 1058.6 |
| 35°    | 941.8  | 964.6  | 992.6  | 1020.5 | 1028.1 |
| 37.5°  | 898.6  | 926.6  | 962.1  | 992.6  | 1000.2 |
| 40°    | 860.6  | 891.0  | 926.6  | 962.1  | 969.7  |
| 42.5°  | 817.4  | 850.4  | 893.6  | 926.6  | 939.3  |
| 45°    | 774.3  | 809.8  | 855.5  | 893.6  | 903.7  |
| 47.5°  | 728.6  | 769.2  | 820.0  | 855.5  | 868.2  |
| 50°    | 682.9  | 726.0  | 779.3  | 820.0  | 830.1  |
| 52.5°  | 637.2  | 682.9  | 738.7  | 779.3  | 792.0  |
| 55°    | 588.9  | 637.2  | 695.6  | 738.7  | 753.9  |
| 57.5°  | 543.2  | 591.5  | 652.4  | 698.1  | 713.3  |
| 60°    | 492.5  | 548.3  | 609.3  | 654.9  | 672.7  |
| 62.5°  | 449.3  | 500.1  | 566.1  | 611.8  | 627.0  |
| 65°    | 398.6  | 451.9  | 520.4  | 568.6  | 583.9  |
| 67.5°  | 350.3  | 406.2  | 474.7  | 525.5  | 540.7  |
| 70°    | 302.1  | 357.9  | 431.6  | 479.8  | 497.6  |
| 72.5°  | 253.9  | 312.2  | 383.3  | 436.6  | 454.4  |
| 75°    | 208.2  | 264.0  | 340.2  | 393.5  | 411.2  |
| 77.5°  | 159.9  | 220.9  | 297.0  | 350.3  | 370.6  |
| 80°    | 116.8  | 180.2  | 256.4  | 309.7  | 330.0  |
| 82.5°  | 78.7   | 142.2  | 218.3  | 271.6  | 291.9  |
| 85°    | 45.7   | 109.2  | 185.3  | 236.1  | 253.9  |
| 87.5°  | 22.8   | 83.8   | 154.9  | 205.6  | 223.4  |
| 90°    | 0.0    | 60.9   | 129.5  | 177.7  | 195.5  |
| 92.5°  | 0.0    | 58.4   | 126.9  | 172.6  | 190.4  |
| 95°    | 0.0    | 58.4   | 124.4  | 170.1  | 187.9  |
| 97.5°  | 0.0    | 55.8   | 121.9  | 170.1  | 185.3  |
| 100°   | 0.0    | 53.3   | 121.9  | 167.5  | 182.8  |
| 102.5° | 0.0    | 50.8   | 119.3  | 165.0  | 180.2  |
| 105°   | 0.0    | 48.2   | 116.8  | 159.9  | 175.2  |
| 107.5° | 2.5    | 48.2   | 111.7  | 157.4  | 172.6  |
| 110°   | 2.5    | 45.7   | 106.6  | 154.9  | 170.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 2.5 | 43.2  | 101.5 | 149.8 | 165.0 |
| 115°   | 2.5 | 43.2  | 99.0  | 142.2 | 159.9 |
| 117.5° | 2.5 | 40.6  | 93.9  | 137.1 | 154.9 |
| 120°   | 2.5 | 40.6  | 91.4  | 132.0 | 147.2 |
| 122.5° | 2.5 | 38.1  | 86.3  | 126.9 | 142.2 |
| 125°   | 2.5 | 35.5  | 83.8  | 121.9 | 137.1 |
| 127.5° | 2.5 | 33.0  | 81.2  | 116.8 | 132.0 |
| 130°   | 2.5 | 30.5  | 76.2  | 111.7 | 124.4 |
| 132.5° | 2.5 | 30.5  | 73.6  | 104.1 | 119.3 |
| 135°   | 2.5 | 27.9  | 68.5  | 99.0  | 111.7 |
| 137.5° | 2.5 | 25.4  | 63.5  | 93.9  | 106.6 |
| 140°   | 2.5 | 22.8  | 58.4  | 88.8  | 99.0  |
| 142.5° | 2.5 | 22.8  | 53.3  | 81.2  | 91.4  |
| 145°   | 2.5 | 20.3  | 48.2  | 76.2  | 83.8  |
| 147.5° | 2.5 | 17.8  | 43.2  | 68.5  | 76.2  |
| 150°   | 2.5 | 17.8  | 38.1  | 60.9  | 68.5  |
| 152.5° | 2.5 | 15.2  | 33.0  | 55.8  | 63.5  |
| 155°   | 2.5 | 12.7  | 30.5  | 48.2  | 55.8  |
| 157.5° | 2.5 | 12.7  | 25.4  | 40.6  | 48.2  |
| 160°   | 2.5 | 10.2  | 22.8  | 33.0  | 40.6  |
| 162.5° | 2.5 | 10.2  | 20.3  | 27.9  | 35.5  |
| 165°   | 2.5 | 7.6   | 15.2  | 22.8  | 27.9  |
| 167.5° | 2.5 | 7.6   | 12.7  | 17.8  | 22.8  |
| 170°   | 2.5 | 5.1   | 10.2  | 12.7  | 17.8  |
| 172.5° | 2.5 | 5.1   | 7.6   | 7.6   | 7.6   |
| 175°   | 2.5 | 2.5   | 5.1   | 5.1   | 2.5   |
| 177.5° | 2.5 | 2.5   | 2.5   | 2.5   | 2.5   |
| 180°   | 2.5 | 2.5   | 2.5   | 2.5   | 2.5   |

(END OF REPORT)