

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: P567872

Luminaire Tested: **8SNX-52SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567872  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-52SL-UNV-L940-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

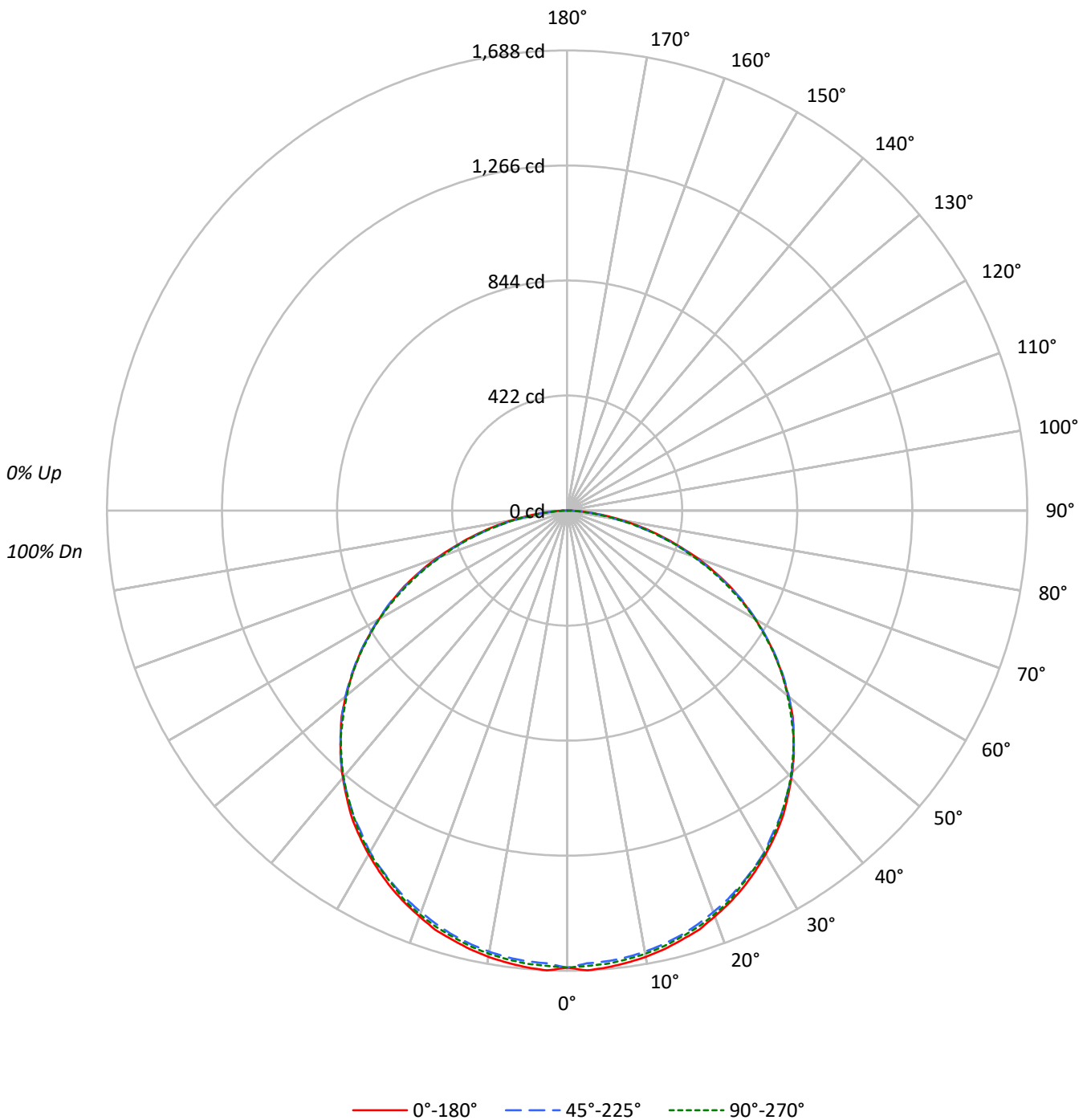
Lumens per Lamp: N/A  
Luminaire Lumens: 5012.0 lumens  
Efficiency: N/A  
Efficacy: 152.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 99  | 95  | 106 | 101 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 83  |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 63  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  |
| 4   | 82  | 70  | 61  | 54  | 80  | 68  | 60  | 54  | 66  | 59  | 53  | 64  | 57  | 52  | 61  | 56  | 51  | 49  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 45  | 39  | 50  | 44  | 39  | 37  |
| 7   | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 35  | 33  |
| 8   | 60  | 46  | 37  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9022 | 9022 | 9022 |
| 5°  | 9089 | 8967 | 9015 |
| 10° | 9087 | 8980 | 9021 |
| 15° | 9079 | 8987 | 9021 |
| 20° | 9074 | 8979 | 9031 |
| 25° | 9068 | 8978 | 8997 |
| 30° | 9050 | 8993 | 9012 |
| 35° | 9043 | 8973 | 8983 |
| 40° | 8991 | 8981 | 8970 |
| 45° | 8938 | 8949 | 8938 |
| 50° | 8873 | 8898 | 8835 |
| 55° | 8755 | 8784 | 8741 |
| 60° | 8583 | 8615 | 8567 |
| 65° | 8409 | 8350 | 8236 |
| 70° | 7994 | 7829 | 7733 |
| 75° | 7303 | 7053 | 7085 |
| 80° | 6307 | 5839 | 5982 |
| 85° | 4749 | 4563 | 4094 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 159.0  | 3.2       |
| 10°-20°   | 458.2  | 9.1       |
| 20°-30°   | 701.1  | 14.0      |
| 30°-40°   | 857.2  | 17.1      |
| 40°-50°   | 906.8  | 18.1      |
| 50°-60°   | 835.5  | 16.7      |
| 60°-70°   | 643.8  | 12.8      |
| 70°-80°   | 360.7  | 7.2       |
| 80°-90°   | 89.7   | 1.8       |
| 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°    | 1318.3 | 26.3      |
| 0°-40°    | 2175.5 | 43.4      |
| 0°-60°    | 3917.8 | 78.2      |
| 0°-90°    | 5012.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5012.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1676 | 1676  | 1676 | 1676  | 1676 |      |
| 5°  | 1682 | 1676  | 1660 | 1676  | 1669 | 160  |
| 15° | 1630 | 1626  | 1613 | 1626  | 1619 | 460  |
| 25° | 1527 | 1524  | 1512 | 1524  | 1515 | 704  |
| 35° | 1376 | 1373  | 1366 | 1370  | 1367 | 860  |
| 45° | 1174 | 1179  | 1176 | 1174  | 1174 | 907  |
| 55° | 933  | 941   | 936  | 936   | 932  | 833  |
| 65° | 660  | 660   | 656  | 639   | 647  | 649  |
| 75° | 351  | 347   | 339  | 327   | 341  | 372  |
| 85° | 77   | 72    | 74   | 74    | 66   | 95   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1676.3 | 1676.3 | 1676.3 | 1676.3 | 1676.3 |
| 2.5°  | 1688.3 | 1680.8 | 1662.7 | 1679.3 | 1671.7 |
| 5°    | 1682.3 | 1676.3 | 1659.7 | 1676.3 | 1668.7 |
| 7.5°  | 1673.2 | 1668.7 | 1653.6 | 1668.7 | 1661.2 |
| 10°   | 1662.7 | 1658.2 | 1643.1 | 1658.2 | 1650.6 |
| 12.5° | 1647.6 | 1644.6 | 1629.5 | 1644.6 | 1637.1 |
| 15°   | 1629.5 | 1626.5 | 1612.9 | 1626.5 | 1619.0 |
| 17.5° | 1611.4 | 1605.4 | 1591.8 | 1606.9 | 1600.9 |
| 20°   | 1584.3 | 1581.3 | 1567.7 | 1581.3 | 1576.8 |
| 22.5° | 1557.2 | 1554.2 | 1542.1 | 1554.2 | 1551.1 |
| 25°   | 1527.0 | 1524.0 | 1511.9 | 1524.0 | 1515.0 |
| 27.5° | 1492.4 | 1493.9 | 1480.3 | 1487.8 | 1483.3 |
| 30°   | 1456.2 | 1456.2 | 1447.1 | 1450.1 | 1450.1 |
| 32.5° | 1417.0 | 1417.0 | 1403.4 | 1412.5 | 1411.0 |
| 35°   | 1376.3 | 1373.3 | 1365.7 | 1370.3 | 1367.2 |
| 37.5° | 1328.0 | 1326.5 | 1322.0 | 1325.0 | 1322.0 |
| 40°   | 1279.8 | 1281.3 | 1278.3 | 1276.8 | 1276.8 |
| 42.5° | 1230.1 | 1233.1 | 1228.6 | 1227.0 | 1225.5 |
| 45°   | 1174.3 | 1178.8 | 1175.8 | 1174.3 | 1174.3 |
| 47.5° | 1123.0 | 1124.5 | 1120.0 | 1118.5 | 1114.0 |
| 50°   | 1059.7 | 1065.8 | 1062.7 | 1059.7 | 1055.2 |
| 52.5° | 996.4  | 1005.5 | 999.4  | 996.4  | 996.4  |
| 55°   | 933.1  | 940.6  | 936.1  | 936.1  | 931.6  |
| 57.5° | 866.8  | 874.3  | 868.3  | 868.3  | 862.2  |
| 60°   | 797.4  | 805.0  | 800.4  | 795.9  | 795.9  |
| 62.5° | 728.1  | 734.1  | 732.6  | 725.1  | 720.6  |
| 65°   | 660.3  | 660.3  | 655.7  | 639.1  | 646.7  |
| 67.5° | 583.4  | 581.9  | 575.8  | 559.3  | 569.8  |
| 70°   | 508.0  | 508.0  | 497.5  | 477.9  | 491.4  |
| 72.5° | 426.6  | 431.1  | 417.6  | 404.0  | 417.6  |
| 75°   | 351.2  | 346.7  | 339.2  | 327.1  | 340.7  |
| 77.5° | 278.9  | 271.3  | 262.3  | 256.3  | 263.8  |
| 80°   | 203.5  | 199.0  | 188.4  | 188.4  | 193.0  |
| 82.5° | 138.7  | 134.2  | 126.6  | 128.1  | 122.1  |
| 85°   | 76.9   | 72.4   | 73.9   | 73.9   | 66.3   |
| 87.5° | 31.7   | 31.7   | 31.7   | 28.6   | 25.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)