

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: P567847

Luminaire Tested: **8SNX-52SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-52SL-LN-UNV-L935-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

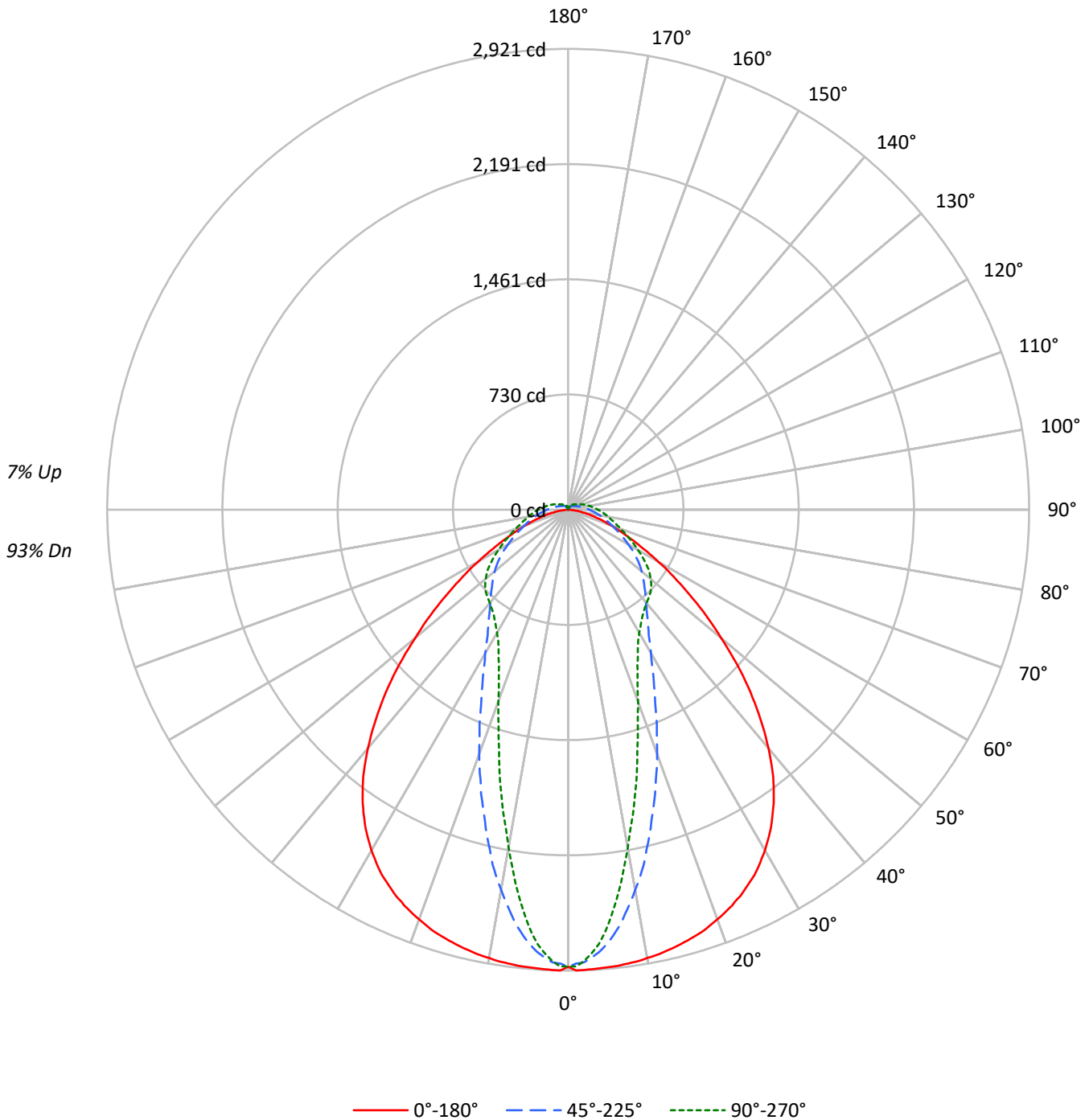
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4618.0 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.8
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

TEST NUMBER: P567847
CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567847

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 | | | | |
| 1 | 107 | 103 | 99 | 95 | 104 | 100 | 96 | 93 | 94 | 91 | 88 | 89 | 87 | 85 | 85 | 83 | 81 | 78 | | | | |
| 2 | 99 | 91 | 84 | 79 | 95 | 88 | 82 | 77 | 84 | 79 | 75 | 79 | 75 | 72 | 76 | 72 | 69 | 67 | | | | |
| 3 | 91 | 81 | 73 | 67 | 88 | 79 | 72 | 66 | 75 | 69 | 64 | 71 | 66 | 62 | 68 | 64 | 60 | 58 | | | | |
| 4 | 84 | 73 | 64 | 58 | 81 | 71 | 63 | 57 | 68 | 61 | 56 | 64 | 59 | 54 | 62 | 57 | 53 | 51 | | | | |
| 5 | 78 | 66 | 57 | 51 | 75 | 64 | 56 | 51 | 61 | 55 | 49 | 59 | 53 | 48 | 56 | 51 | 47 | 45 | | | | |
| 6 | 72 | 60 | 51 | 45 | 70 | 59 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 43 | 52 | 46 | 42 | 40 | | | | |
| 7 | 67 | 55 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 45 | 40 | 50 | 44 | 39 | 48 | 42 | 38 | 36 | | | | |
| 8 | 63 | 51 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 41 | 36 | 46 | 40 | 36 | 44 | 39 | 35 | 33 | | | | |
| 9 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 44 | 38 | 33 | 43 | 37 | 33 | 41 | 36 | 32 | 30 | | | | |
| 10 | 56 | 44 | 36 | 31 | 54 | 43 | 36 | 31 | 41 | 35 | 31 | 40 | 34 | 30 | 39 | 34 | 30 | 28 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15592 | 15592 | 15592 |
| 5° | 15701 | 14348 | 13714 |
| 10° | 15708 | 12316 | 10640 |
| 15° | 15730 | 10057 | 7975 |
| 20° | 15711 | 8021 | 5968 |
| 25° | 15600 | 6292 | 4736 |
| 30° | 15308 | 5097 | 4040 |
| 35° | 14701 | 4318 | 3675 |
| 40° | 13637 | 3816 | 3479 |
| 45° | 12162 | 3495 | 3371 |
| 50° | 10342 | 3221 | 3184 |
| 55° | 8534 | 2922 | 2909 |
| 60° | 6864 | 2574 | 2551 |
| 65° | 5370 | 2263 | 2220 |
| 70° | 4215 | 2006 | 1964 |
| 75° | 3315 | 1806 | 1789 |
| 80° | 2414 | 1657 | 1663 |
| 85° | 1446 | 1550 | 1595 |



TEST NUMBER: P567847

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 256.5 | 5.6 |
| 10°-20° | 601.4 | 13.0 |
| 20°-30° | 713.8 | 15.5 |
| 30°-40° | 718.2 | 15.6 |
| 40°-50° | 667.6 | 14.5 |
| 50°-60° | 549.7 | 11.9 |
| 60°-70° | 387.3 | 8.4 |
| 70°-80° | 253.1 | 5.5 |
| 80°-90° | 161.6 | 3.5 |
| 90°-100° | 106.0 | 2.3 |
| 100°-110° | 71.9 | 1.6 |
| 110°-120° | 49.3 | 1.1 |
| 120°-130° | 34.1 | 0.7 |
| 130°-140° | 22.9 | 0.5 |
| 140°-150° | 14.1 | 0.3 |
| 150°-160° | 7.3 | 0.2 |
| 160°-170° | 2.7 | 0.1 |
| 170°-180° | 0.5 | 0.0 |
| 0°-30° | 1571.7 | 34.0 |
| 0°-40° | 2289.9 | 49.6 |
| 0°-60° | 3507.2 | 75.9 |
| 0°-90° | 4309.1 | 93.3 |
| 90°-120° | 227.2 | 4.9 |
| 90°-150° | 298.4 | 6.5 |
| 90°-180° | 309.0 | 6.7 |
| 0°-180° | 4618.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2897 | 2897 | 2897 | 2897 | 2897 | |
| 5° | 2912 | 2873 | 2769 | 2716 | 2686 | 277 |
| 15° | 2839 | 2536 | 2040 | 1784 | 1687 | 802 |
| 25° | 2653 | 1960 | 1300 | 1092 | 1046 | 1221 |
| 35° | 2270 | 1326 | 881 | 825 | 820 | 1412 |
| 45° | 1631 | 874 | 682 | 719 | 738 | 1252 |
| 55° | 937 | 574 | 528 | 586 | 605 | 846 |
| 65° | 440 | 346 | 363 | 409 | 424 | 447 |
| 75° | 172 | 179 | 244 | 288 | 300 | 186 |
| 85° | 29 | 82 | 165 | 213 | 223 | 37 |
| 90° | 0 | 56 | 133 | 182 | 189 | 2 |
| 95° | 0 | 41 | 111 | 152 | 160 | 0 |
| 105° | 0 | 29 | 75 | 106 | 116 | 0 |
| 115° | 2 | 24 | 53 | 77 | 82 | 2 |
| 125° | 2 | 19 | 44 | 56 | 60 | 2 |
| 135° | 2 | 17 | 34 | 44 | 46 | 2 |
| 145° | 2 | 12 | 24 | 34 | 36 | 2 |
| 155° | 2 | 10 | 17 | 24 | 27 | 1 |
| 165° | 2 | 5 | 10 | 12 | 14 | 1 |
| 175° | 5 | 5 | 5 | 5 | 2 | 0 |
| 180° | 2 | 2 | 2 | 2 | 2 | |



TEST NUMBER: P567847

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2897.0 | 2897.0 | 2897.0 | 2897.0 | 2897.0 |
| 1° | 2921.2 | 2909.1 | 2877.6 | 2899.4 | 2894.6 |
| 2° | 2918.8 | 2906.7 | 2870.4 | 2880.1 | 2863.1 |
| 3° | 2916.4 | 2899.4 | 2843.8 | 2841.3 | 2817.1 |
| 4° | 2914.0 | 2887.3 | 2809.9 | 2780.8 | 2761.5 |
| 5° | 2911.5 | 2872.8 | 2768.7 | 2715.5 | 2686.5 |
| 6° | 2909.1 | 2855.9 | 2715.5 | 2635.6 | 2594.5 |
| 7° | 2904.3 | 2829.2 | 2659.8 | 2550.9 | 2497.7 |
| 8° | 2899.4 | 2805.0 | 2589.6 | 2458.9 | 2393.6 |
| 9° | 2894.6 | 2773.6 | 2519.5 | 2359.7 | 2282.3 |
| 10° | 2884.9 | 2742.1 | 2446.8 | 2258.1 | 2175.8 |
| 11° | 2880.1 | 2705.8 | 2376.7 | 2161.3 | 2064.5 |
| 12° | 2870.4 | 2667.1 | 2301.6 | 2059.6 | 1974.9 |
| 13° | 2860.7 | 2625.9 | 2209.7 | 1972.5 | 1870.8 |
| 14° | 2851.0 | 2582.4 | 2129.8 | 1875.7 | 1781.3 |
| 15° | 2838.9 | 2536.4 | 2040.2 | 1783.7 | 1686.9 |
| 16° | 2826.8 | 2483.2 | 1960.4 | 1689.3 | 1587.7 |
| 17° | 2814.7 | 2432.3 | 1885.4 | 1602.2 | 1510.2 |
| 18° | 2800.2 | 2381.5 | 1798.2 | 1517.5 | 1427.9 |
| 19° | 2780.8 | 2323.4 | 1728.0 | 1440.0 | 1357.7 |
| 20° | 2763.9 | 2270.2 | 1648.2 | 1367.4 | 1294.8 |
| 21° | 2744.5 | 2204.8 | 1568.3 | 1299.7 | 1227.1 |
| 22.5° | 2715.5 | 2112.9 | 1466.7 | 1215.0 | 1147.2 |
| 23° | 2701.0 | 2086.2 | 1425.5 | 1183.5 | 1125.4 |
| 24° | 2681.6 | 2016.0 | 1357.7 | 1135.1 | 1077.0 |
| 25° | 2652.6 | 1960.4 | 1299.7 | 1091.5 | 1045.5 |
| 26° | 2625.9 | 1892.6 | 1241.6 | 1052.8 | 1006.8 |
| 27° | 2599.3 | 1827.3 | 1190.8 | 1011.7 | 972.9 |
| 28° | 2565.4 | 1759.5 | 1135.1 | 977.8 | 943.9 |
| 29° | 2529.1 | 1696.6 | 1089.1 | 948.7 | 922.1 |
| 30° | 2492.8 | 1626.4 | 1050.4 | 922.1 | 900.3 |
| 32.5° | 2391.2 | 1471.5 | 951.1 | 871.3 | 856.8 |
| 35° | 2270.2 | 1326.3 | 881.0 | 825.3 | 820.5 |
| 37.5° | 2134.6 | 1193.2 | 818.0 | 789.0 | 793.8 |
| 40° | 1974.9 | 1072.2 | 764.8 | 762.4 | 772.1 |
| 42.5° | 1805.5 | 968.1 | 723.6 | 740.6 | 755.1 |
| 45° | 1631.2 | 873.7 | 682.5 | 718.8 | 738.2 |
| 47.5° | 1449.7 | 791.4 | 646.2 | 692.2 | 714.0 |
| 50° | 1265.8 | 711.5 | 607.5 | 660.7 | 682.5 |
| 52.5° | 1101.2 | 641.4 | 568.8 | 624.4 | 648.6 |
| 55° | 936.6 | 573.6 | 527.6 | 585.7 | 605.1 |
| 57.5° | 793.8 | 510.7 | 484.0 | 542.1 | 556.7 |
| 60° | 660.7 | 450.2 | 440.5 | 493.7 | 510.7 |
| 62.5° | 539.7 | 396.9 | 399.3 | 450.2 | 467.1 |
| 65° | 440.5 | 346.1 | 363.0 | 409.0 | 423.5 |



TEST NUMBER: P567847

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 358.2 | 297.7 | 326.7 | 375.1 | 387.2 |
| 70° | 283.2 | 254.1 | 297.7 | 341.3 | 353.4 |
| 72.5° | 225.1 | 215.4 | 268.6 | 314.6 | 324.3 |
| 75° | 171.8 | 179.1 | 244.4 | 288.0 | 300.1 |
| 77.5° | 123.4 | 150.1 | 220.2 | 266.2 | 275.9 |
| 80° | 87.1 | 123.4 | 200.9 | 246.9 | 256.5 |
| 82.5° | 55.7 | 101.6 | 181.5 | 229.9 | 239.6 |
| 85° | 29.0 | 82.3 | 164.6 | 213.0 | 222.7 |
| 87.5° | 12.1 | 67.8 | 147.6 | 196.0 | 205.7 |
| 90° | 0.0 | 55.7 | 133.1 | 181.5 | 188.8 |
| 92.5° | 0.0 | 48.4 | 121.0 | 167.0 | 174.3 |
| 95° | 0.0 | 41.1 | 111.3 | 152.5 | 159.7 |
| 97.5° | 0.0 | 38.7 | 99.2 | 140.4 | 147.6 |
| 100° | 0.0 | 33.9 | 89.5 | 128.3 | 138.0 |
| 102.5° | 0.0 | 31.5 | 82.3 | 116.2 | 125.9 |
| 105° | 0.0 | 29.0 | 75.0 | 106.5 | 116.2 |
| 107.5° | 0.0 | 26.6 | 70.2 | 99.2 | 106.5 |
| 110° | 0.0 | 26.6 | 62.9 | 92.0 | 99.2 |
| 112.5° | 2.4 | 24.2 | 58.1 | 82.3 | 89.5 |
| 115° | 2.4 | 24.2 | 53.2 | 77.4 | 82.3 |
| 117.5° | 2.4 | 24.2 | 50.8 | 70.2 | 75.0 |
| 120° | 2.4 | 21.8 | 48.4 | 65.3 | 70.2 |
| 122.5° | 2.4 | 21.8 | 46.0 | 60.5 | 62.9 |
| 125° | 2.4 | 19.4 | 43.6 | 55.7 | 60.5 |
| 127.5° | 2.4 | 19.4 | 41.1 | 53.2 | 55.7 |
| 130° | 2.4 | 19.4 | 38.7 | 48.4 | 53.2 |
| 132.5° | 2.4 | 16.9 | 36.3 | 46.0 | 48.4 |
| 135° | 2.4 | 16.9 | 33.9 | 43.6 | 46.0 |
| 137.5° | 2.4 | 14.5 | 31.5 | 41.1 | 43.6 |
| 140° | 2.4 | 14.5 | 29.0 | 38.7 | 41.1 |
| 142.5° | 2.4 | 12.1 | 26.6 | 36.3 | 38.7 |
| 145° | 2.4 | 12.1 | 24.2 | 33.9 | 36.3 |
| 147.5° | 2.4 | 12.1 | 21.8 | 31.5 | 33.9 |
| 150° | 2.4 | 9.7 | 19.4 | 29.0 | 31.5 |
| 152.5° | 2.4 | 9.7 | 16.9 | 26.6 | 29.0 |
| 155° | 2.4 | 9.7 | 16.9 | 24.2 | 26.6 |
| 157.5° | 2.4 | 7.3 | 14.5 | 19.4 | 24.2 |
| 160° | 2.4 | 7.3 | 12.1 | 16.9 | 21.8 |
| 162.5° | 2.4 | 7.3 | 12.1 | 14.5 | 16.9 |
| 165° | 2.4 | 4.8 | 9.7 | 12.1 | 14.5 |
| 167.5° | 2.4 | 4.8 | 7.3 | 9.7 | 12.1 |
| 170° | 2.4 | 4.8 | 7.3 | 7.3 | 9.7 |
| 172.5° | 2.4 | 4.8 | 4.8 | 4.8 | 4.8 |
| 175° | 4.8 | 4.8 | 4.8 | 4.8 | 2.4 |
| 177.5° | 4.8 | 4.8 | 4.8 | 2.4 | 2.4 |



TEST NUMBER: P567847

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |

(END OF REPORT)