

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: P567382

Luminaire Tested: **8SNX-134SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567382
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-134SL-SLW-UNV-L930-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

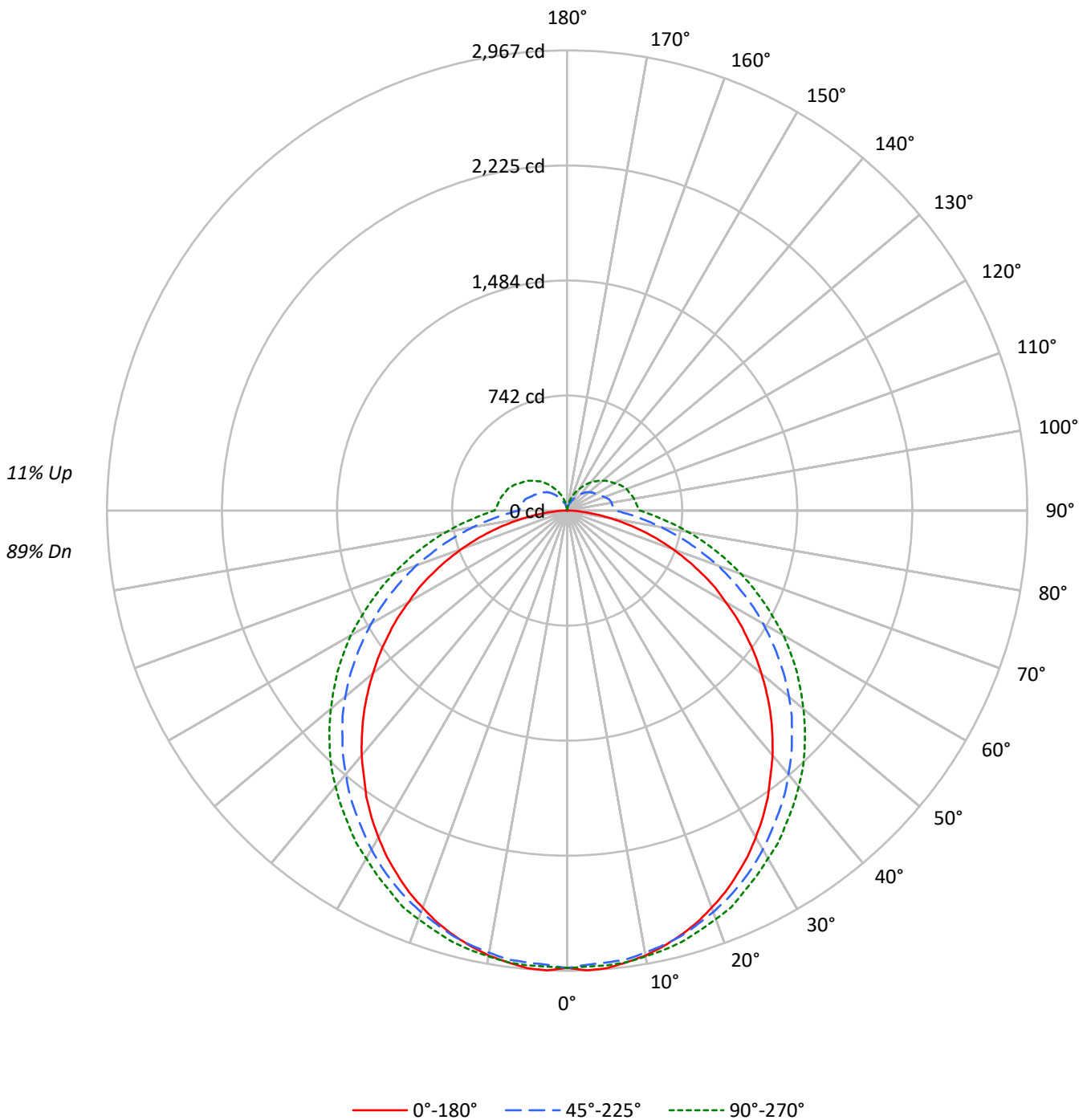
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10499.0 lumens
Efficiency: N/A
Efficacy: 109.6 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): 95.8
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

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CATALOG NUMBER: 8SNX-134SL-SLW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567382

CATALOG NUMBER: 8SNX-134SL-SLW-UNV-L930-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 | 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° | 15872 | 15872 | 15872 |
| 5° | 15985 | 15474 | 15451 |
| 10° | 15889 | 15171 | 15069 |
| 15° | 15745 | 14858 | 14716 |
| 20° | 15544 | 14499 | 14325 |
| 25° | 15309 | 14147 | 13915 |
| 30° | 15026 | 13759 | 13509 |
| 35° | 14715 | 13357 | 13128 |
| 40° | 14358 | 12961 | 12764 |
| 45° | 13971 | 12557 | 12370 |
| 50° | 13528 | 12131 | 11929 |
| 55° | 13044 | 11617 | 11495 |
| 60° | 12474 | 11068 | 11012 |
| 65° | 11893 | 10450 | 10404 |
| 70° | 11071 | 9769 | 9808 |
| 75° | 9982 | 8901 | 9149 |
| 80° | 8187 | 8022 | 8499 |
| 85° | 6045 | 7276 | 7832 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 280.1 | 2.7 |
| 10°-20° | 805.2 | 7.7 |
| 20°-30° | 1224.3 | 11.7 |
| 30°-40° | 1486.1 | 14.2 |
| 40°-50° | 1570.4 | 15.0 |
| 50°-60° | 1469.5 | 14.0 |
| 60°-70° | 1205.8 | 11.5 |
| 70°-80° | 829.3 | 7.9 |
| 80°-90° | 454.2 | 4.3 |
| 90°-100° | 292.5 | 2.8 |
| 100°-110° | 262.4 | 2.5 |
| 110°-120° | 217.2 | 2.1 |
| 120°-130° | 167.3 | 1.6 |
| 130°-140° | 117.5 | 1.1 |
| 140°-150° | 70.8 | 0.7 |
| 150°-160° | 33.9 | 0.3 |
| 160°-170° | 11.1 | 0.1 |
| 170°-180° | 1.3 | 0.0 |
| 0°-30° | 2309.5 | 22.0 |
| 0°-40° | 3795.7 | 36.2 |
| 0°-60° | 6835.6 | 65.1 |
| 0°-90° | 9324.9 | 88.8 |
| 90°-120° | 772.1 | 7.4 |
| 90°-150° | 1127.8 | 10.7 |
| 90°-180° | 1174.0 | 11.2 |
| 0°-180° | 10499.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2949 | 2949 | 2949 | 2949 | 2949 | |
| 5° | 2961 | 2955 | 2925 | 2949 | 2943 | 281 |
| 15° | 2834 | 2846 | 2840 | 2876 | 2876 | 799 |
| 25° | 2590 | 2621 | 2651 | 2706 | 2706 | 1194 |
| 35° | 2256 | 2311 | 2378 | 2444 | 2463 | 1409 |
| 45° | 1855 | 1940 | 2049 | 2140 | 2165 | 1429 |
| 55° | 1411 | 1526 | 1666 | 1770 | 1806 | 1262 |
| 65° | 955 | 1082 | 1247 | 1362 | 1399 | 945 |
| 75° | 499 | 632 | 815 | 942 | 985 | 525 |
| 85° | 110 | 262 | 444 | 566 | 608 | 126 |
| 90° | 0 | 146 | 310 | 426 | 468 | 7 |
| 95° | 0 | 140 | 298 | 407 | 450 | 0 |
| 105° | 0 | 116 | 280 | 383 | 420 | 4 |
| 115° | 6 | 103 | 237 | 340 | 383 | 6 |
| 125° | 6 | 85 | 201 | 292 | 328 | 5 |
| 135° | 6 | 67 | 164 | 237 | 268 | 5 |
| 145° | 6 | 49 | 116 | 182 | 201 | 4 |
| 155° | 6 | 30 | 73 | 116 | 134 | 3 |
| 165° | 6 | 18 | 36 | 55 | 67 | 2 |
| 175° | 6 | 6 | 12 | 12 | 6 | 1 |
| 180° | 6 | 6 | 6 | 6 | 6 | |



TEST NUMBER: P567382

CATALOG NUMBER: 8SNX-134SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 2949.2 | 2949.2 | 2949.2 | 2949.2 | 2949.2 |
| 2.5° | 2967.4 | 2961.4 | 2931.0 | 2955.3 | 2943.1 |
| 5° | 2961.4 | 2955.3 | 2924.9 | 2949.2 | 2943.1 |
| 7.5° | 2937.0 | 2937.0 | 2918.8 | 2943.1 | 2937.0 |
| 10° | 2912.7 | 2912.7 | 2894.5 | 2924.9 | 2918.8 |
| 12.5° | 2876.2 | 2882.3 | 2870.1 | 2906.6 | 2900.5 |
| 15° | 2833.7 | 2845.8 | 2839.7 | 2876.2 | 2876.2 |
| 17.5° | 2785.0 | 2797.2 | 2797.2 | 2839.7 | 2839.7 |
| 20° | 2724.2 | 2742.4 | 2754.6 | 2803.3 | 2803.3 |
| 22.5° | 2663.4 | 2687.7 | 2706.0 | 2748.5 | 2766.8 |
| 25° | 2590.4 | 2620.8 | 2651.2 | 2706.0 | 2706.0 |
| 27.5° | 2517.5 | 2553.9 | 2590.4 | 2645.2 | 2651.2 |
| 30° | 2432.3 | 2474.9 | 2523.5 | 2578.3 | 2590.4 |
| 32.5° | 2347.2 | 2401.9 | 2450.6 | 2517.5 | 2535.7 |
| 35° | 2256.0 | 2310.7 | 2377.6 | 2444.5 | 2462.7 |
| 37.5° | 2152.6 | 2219.5 | 2304.6 | 2377.6 | 2395.8 |
| 40° | 2061.4 | 2134.4 | 2219.5 | 2304.6 | 2322.9 |
| 42.5° | 1958.0 | 2037.1 | 2140.4 | 2219.5 | 2249.9 |
| 45° | 1854.6 | 1939.8 | 2049.2 | 2140.4 | 2164.8 |
| 47.5° | 1745.2 | 1842.5 | 1964.1 | 2049.2 | 2079.6 |
| 50° | 1635.7 | 1739.1 | 1866.8 | 1964.1 | 1988.4 |
| 52.5° | 1526.3 | 1635.7 | 1769.5 | 1866.8 | 1897.2 |
| 55° | 1410.7 | 1526.3 | 1666.1 | 1769.5 | 1806.0 |
| 57.5° | 1301.3 | 1416.8 | 1562.8 | 1672.2 | 1708.7 |
| 60° | 1179.7 | 1313.5 | 1459.4 | 1568.8 | 1611.4 |
| 62.5° | 1076.3 | 1197.9 | 1356.0 | 1465.5 | 1502.0 |
| 65° | 954.7 | 1082.4 | 1246.6 | 1362.1 | 1398.6 |
| 67.5° | 839.2 | 972.9 | 1137.1 | 1258.7 | 1295.2 |
| 70° | 723.6 | 857.4 | 1033.7 | 1149.3 | 1191.8 |
| 72.5° | 608.1 | 747.9 | 918.2 | 1045.9 | 1088.5 |
| 75° | 498.6 | 632.4 | 814.8 | 942.5 | 985.1 |
| 77.5° | 383.1 | 529.0 | 711.5 | 839.2 | 887.8 |
| 80° | 279.7 | 431.7 | 614.2 | 741.9 | 790.5 |
| 82.5° | 188.5 | 340.5 | 522.9 | 650.6 | 699.3 |
| 85° | 109.5 | 261.5 | 443.9 | 565.5 | 608.1 |
| 87.5° | 54.7 | 200.7 | 370.9 | 492.5 | 535.1 |
| 90° | 0.0 | 145.9 | 310.1 | 425.7 | 468.2 |
| 92.5° | 0.0 | 139.9 | 304.0 | 413.5 | 456.1 |
| 95° | 0.0 | 139.9 | 298.0 | 407.4 | 450.0 |
| 97.5° | 0.0 | 133.8 | 291.9 | 407.4 | 443.9 |
| 100° | 0.0 | 127.7 | 291.9 | 401.3 | 437.8 |
| 102.5° | 0.0 | 121.6 | 285.8 | 395.3 | 431.7 |
| 105° | 0.0 | 115.5 | 279.7 | 383.1 | 419.6 |
| 107.5° | 6.1 | 115.5 | 267.6 | 377.0 | 413.5 |
| 110° | 6.1 | 109.5 | 255.4 | 370.9 | 407.4 |



TEST NUMBER: P567382

CATALOG NUMBER: 8SNX-134SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 6.1 | 103.4 | 243.2 | 358.8 | 395.3 |
| 115° | 6.1 | 103.4 | 237.2 | 340.5 | 383.1 |
| 117.5° | 6.1 | 97.3 | 225.0 | 328.4 | 370.9 |
| 120° | 6.1 | 97.3 | 218.9 | 316.2 | 352.7 |
| 122.5° | 6.1 | 91.2 | 206.7 | 304.0 | 340.5 |
| 125° | 6.1 | 85.1 | 200.7 | 291.9 | 328.4 |
| 127.5° | 6.1 | 79.1 | 194.6 | 279.7 | 316.2 |
| 130° | 6.1 | 73.0 | 182.4 | 267.6 | 298.0 |
| 132.5° | 6.1 | 73.0 | 176.3 | 249.3 | 285.8 |
| 135° | 6.1 | 66.9 | 164.2 | 237.2 | 267.6 |
| 137.5° | 6.1 | 60.8 | 152.0 | 225.0 | 255.4 |
| 140° | 6.1 | 54.7 | 139.9 | 212.8 | 237.2 |
| 142.5° | 6.1 | 54.7 | 127.7 | 194.6 | 218.9 |
| 145° | 6.1 | 48.6 | 115.5 | 182.4 | 200.7 |
| 147.5° | 6.1 | 42.6 | 103.4 | 164.2 | 182.4 |
| 150° | 6.1 | 42.6 | 91.2 | 145.9 | 164.2 |
| 152.5° | 6.1 | 36.5 | 79.1 | 133.8 | 152.0 |
| 155° | 6.1 | 30.4 | 73.0 | 115.5 | 133.8 |
| 157.5° | 6.1 | 30.4 | 60.8 | 97.3 | 115.5 |
| 160° | 6.1 | 24.3 | 54.7 | 79.1 | 97.3 |
| 162.5° | 6.1 | 24.3 | 48.6 | 66.9 | 85.1 |
| 165° | 6.1 | 18.2 | 36.5 | 54.7 | 66.9 |
| 167.5° | 6.1 | 18.2 | 30.4 | 42.6 | 54.7 |
| 170° | 6.1 | 12.2 | 24.3 | 30.4 | 42.6 |
| 172.5° | 6.1 | 12.2 | 18.2 | 18.2 | 18.2 |
| 175° | 6.1 | 6.1 | 12.2 | 12.2 | 6.1 |
| 177.5° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 180° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |

(END OF REPORT)