

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: P567363

Luminaire Tested: **8SNX-134SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567363
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-134SL-LN-UNV-L835-CD
Description: 8FT 13400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

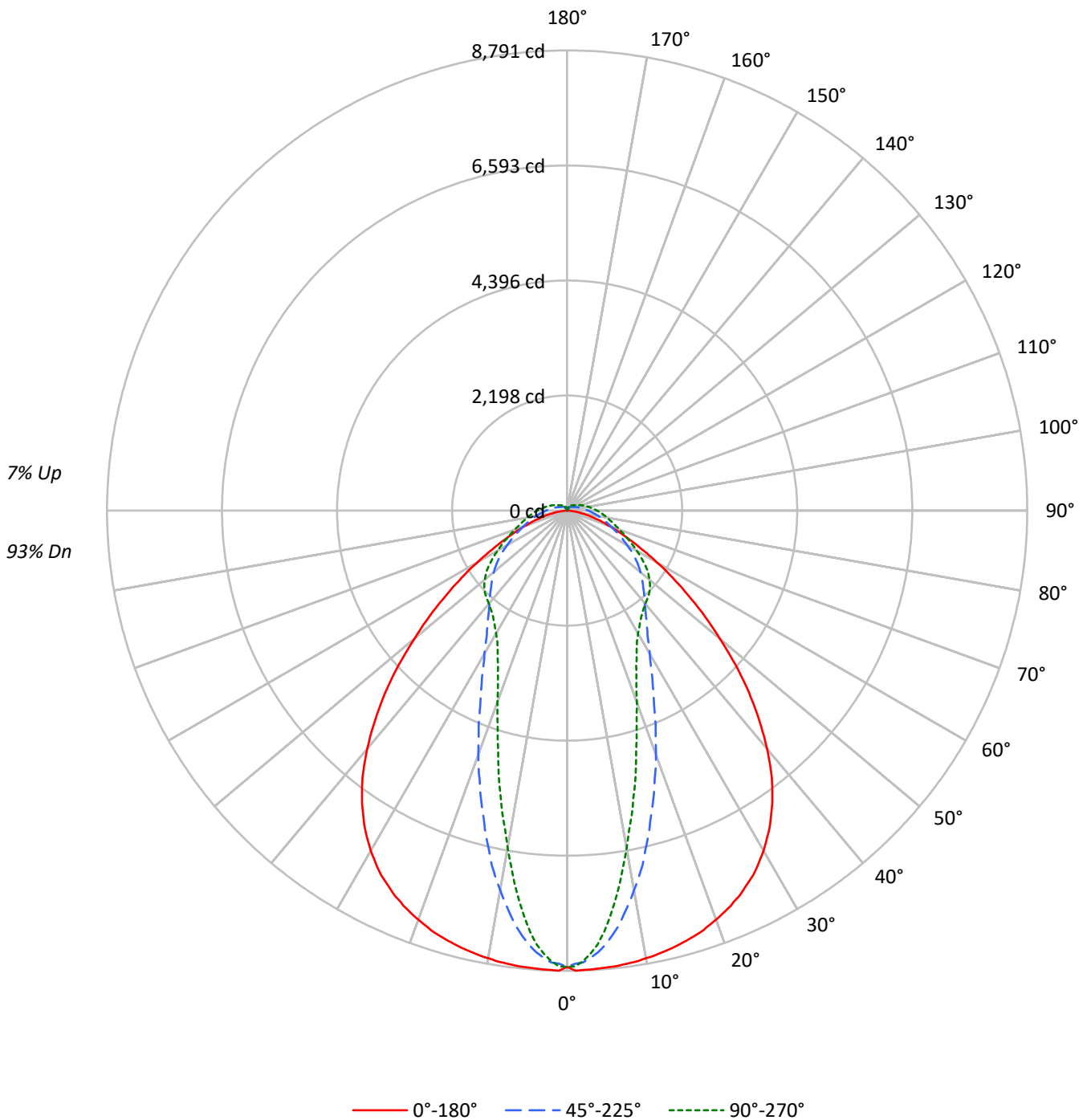
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13897.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 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

TEST NUMBER: P567363
CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567363

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-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 | 67 | 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° | 46920 | 46920 | 46920 |
| 5° | 47249 | 43177 | 41269 |
| 10° | 47271 | 37063 | 32019 |
| 15° | 47337 | 30267 | 23998 |
| 20° | 47278 | 24136 | 17959 |
| 25° | 46946 | 18933 | 14253 |
| 30° | 46066 | 15338 | 12158 |
| 35° | 44240 | 12995 | 11059 |
| 40° | 41037 | 11485 | 10467 |
| 45° | 36600 | 10519 | 10144 |
| 50° | 31120 | 9691 | 9583 |
| 55° | 25683 | 8793 | 8752 |
| 60° | 20657 | 7746 | 7677 |
| 65° | 16158 | 6811 | 6681 |
| 70° | 12683 | 6035 | 5909 |
| 75° | 9977 | 5435 | 5384 |
| 80° | 7268 | 4987 | 5005 |
| 85° | 4359 | 4665 | 4800 |



TEST NUMBER: P567363

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-CD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 772.0 | 5.6 |
| 10°-20° | 1809.7 | 13.0 |
| 20°-30° | 2148.1 | 15.5 |
| 30°-40° | 2161.2 | 15.6 |
| 40°-50° | 2008.9 | 14.5 |
| 50°-60° | 1654.2 | 11.9 |
| 60°-70° | 1165.6 | 8.4 |
| 70°-80° | 761.5 | 5.5 |
| 80°-90° | 486.2 | 3.5 |
| 90°-100° | 318.9 | 2.3 |
| 100°-110° | 216.5 | 1.6 |
| 110°-120° | 148.4 | 1.1 |
| 120°-130° | 102.6 | 0.7 |
| 130°-140° | 69.1 | 0.5 |
| 140°-150° | 42.6 | 0.3 |
| 150°-160° | 22.1 | 0.2 |
| 160°-170° | 8.0 | 0.1 |
| 170°-180° | 1.4 | 0.0 |
| 0°-30° | 4729.8 | 34.0 |
| 0°-40° | 6891.0 | 49.6 |
| 0°-60° | 10554.2 | 75.9 |
| 0°-90° | 12967.5 | 93.3 |
| 90°-120° | 683.7 | 4.9 |
| 90°-150° | 898.0 | 6.5 |
| 90°-180° | 929.0 | 6.7 |
| 0°-180° | 13897.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 8718 | 8718 | 8718 | 8718 | 8718 | |
| 5° | 8762 | 8645 | 8332 | 8172 | 8084 | 834 |
| 15° | 8543 | 7633 | 6140 | 5368 | 5076 | 2413 |
| 25° | 7982 | 5899 | 3911 | 3285 | 3146 | 3673 |
| 35° | 6832 | 3991 | 2651 | 2484 | 2469 | 4249 |
| 45° | 4909 | 2629 | 2054 | 2163 | 2221 | 3769 |
| 55° | 2819 | 1726 | 1588 | 1762 | 1821 | 2546 |
| 65° | 1326 | 1042 | 1092 | 1231 | 1275 | 1345 |
| 75° | 517 | 539 | 736 | 867 | 903 | 559 |
| 85° | 87 | 248 | 495 | 641 | 670 | 110 |
| 90° | 0 | 168 | 401 | 546 | 568 | 5 |
| 95° | 0 | 124 | 335 | 459 | 481 | 0 |
| 105° | 0 | 87 | 226 | 320 | 350 | 0 |
| 115° | 7 | 73 | 160 | 233 | 248 | 6 |
| 125° | 7 | 58 | 131 | 168 | 182 | 7 |
| 135° | 7 | 51 | 102 | 131 | 138 | 6 |
| 145° | 7 | 36 | 73 | 102 | 109 | 5 |
| 155° | 7 | 29 | 51 | 73 | 80 | 3 |
| 165° | 7 | 15 | 29 | 36 | 44 | 2 |
| 175° | 15 | 15 | 15 | 15 | 7 | 1 |
| 180° | 7 | 7 | 7 | 7 | 7 | |



TEST NUMBER: P567363

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 8718.0 | 8718.0 | 8718.0 | 8718.0 | 8718.0 |
| 1° | 8790.8 | 8754.4 | 8659.7 | 8725.3 | 8710.7 |
| 2° | 8783.6 | 8747.1 | 8637.9 | 8667.0 | 8616.0 |
| 3° | 8776.3 | 8725.3 | 8557.8 | 8550.5 | 8477.7 |
| 4° | 8769.0 | 8688.9 | 8455.8 | 8368.4 | 8310.1 |
| 5° | 8761.7 | 8645.2 | 8332.0 | 8171.8 | 8084.4 |
| 6° | 8754.4 | 8594.2 | 8171.8 | 7931.4 | 7807.6 |
| 7° | 8739.9 | 8514.1 | 8004.2 | 7676.5 | 7516.3 |
| 8° | 8725.3 | 8441.2 | 7793.0 | 7399.7 | 7203.1 |
| 9° | 8710.7 | 8346.6 | 7581.8 | 7101.1 | 6868.1 |
| 10° | 8681.6 | 8251.9 | 7363.3 | 6795.2 | 6547.6 |
| 11° | 8667.0 | 8142.6 | 7152.1 | 6503.9 | 6212.6 |
| 12° | 8637.9 | 8026.1 | 6926.3 | 6198.0 | 5943.1 |
| 13° | 8608.8 | 7902.3 | 6649.6 | 5935.8 | 5629.9 |
| 14° | 8579.6 | 7771.2 | 6409.2 | 5644.5 | 5360.4 |
| 15° | 8543.2 | 7632.8 | 6139.7 | 5367.7 | 5076.4 |
| 16° | 8506.8 | 7472.6 | 5899.4 | 5083.7 | 4777.8 |
| 17° | 8470.4 | 7319.6 | 5673.6 | 4821.5 | 4544.7 |
| 18° | 8426.7 | 7166.7 | 5411.4 | 4566.6 | 4297.1 |
| 19° | 8368.4 | 6991.9 | 5200.2 | 4333.5 | 4085.9 |
| 20° | 8317.4 | 6831.7 | 4959.9 | 4115.0 | 3896.5 |
| 21° | 8259.2 | 6635.0 | 4719.5 | 3911.1 | 3692.6 |
| 22.5° | 8171.8 | 6358.2 | 4413.6 | 3656.2 | 3452.2 |
| 23° | 8128.1 | 6278.1 | 4289.8 | 3561.5 | 3386.7 |
| 24° | 8069.8 | 6066.9 | 4085.9 | 3415.8 | 3241.0 |
| 25° | 7982.4 | 5899.4 | 3911.1 | 3284.7 | 3146.3 |
| 26° | 7902.3 | 5695.5 | 3736.3 | 3168.2 | 3029.8 |
| 27° | 7822.2 | 5498.8 | 3583.3 | 3044.4 | 2927.9 |
| 28° | 7720.2 | 5294.9 | 3415.8 | 2942.4 | 2840.5 |
| 29° | 7611.0 | 5105.5 | 3277.4 | 2855.0 | 2774.9 |
| 30° | 7501.7 | 4894.3 | 3160.9 | 2774.9 | 2709.4 |
| 32.5° | 7195.8 | 4428.2 | 2862.3 | 2622.0 | 2578.3 |
| 35° | 6831.7 | 3991.2 | 2651.1 | 2483.6 | 2469.0 |
| 37.5° | 6423.8 | 3590.6 | 2461.7 | 2374.3 | 2388.9 |
| 40° | 5943.1 | 3226.5 | 2301.5 | 2294.2 | 2323.3 |
| 42.5° | 5433.3 | 2913.3 | 2177.7 | 2228.7 | 2272.4 |
| 45° | 4908.9 | 2629.2 | 2053.9 | 2163.1 | 2221.4 |
| 47.5° | 4362.6 | 2381.6 | 1944.6 | 2083.0 | 2148.5 |
| 50° | 3809.1 | 2141.3 | 1828.1 | 1988.3 | 2053.9 |
| 52.5° | 3313.9 | 1930.1 | 1711.6 | 1879.1 | 1951.9 |
| 55° | 2818.6 | 1726.1 | 1587.7 | 1762.5 | 1820.8 |
| 57.5° | 2388.9 | 1536.8 | 1456.6 | 1631.4 | 1675.1 |
| 60° | 1988.3 | 1354.7 | 1325.5 | 1485.8 | 1536.8 |
| 62.5° | 1624.2 | 1194.4 | 1201.7 | 1354.7 | 1405.7 |
| 65° | 1325.5 | 1041.5 | 1092.5 | 1230.9 | 1274.6 |



TEST NUMBER: P567363

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|-------|-------|--------|--------|
| 67.5° | 1077.9 | 895.8 | 983.2 | 1128.9 | 1165.3 |
| 70° | 852.1 | 764.7 | 895.8 | 1026.9 | 1063.3 |
| 72.5° | 677.3 | 648.2 | 808.4 | 946.8 | 976.0 |
| 75° | 517.1 | 539.0 | 735.6 | 866.7 | 903.1 |
| 77.5° | 371.4 | 451.6 | 662.8 | 801.2 | 830.3 |
| 80° | 262.2 | 371.4 | 604.5 | 742.9 | 772.0 |
| 82.5° | 167.5 | 305.9 | 546.2 | 691.9 | 721.0 |
| 85° | 87.4 | 247.6 | 495.3 | 640.9 | 670.1 |
| 87.5° | 36.4 | 203.9 | 444.3 | 589.9 | 619.1 |
| 90° | 0.0 | 167.5 | 400.6 | 546.2 | 568.1 |
| 92.5° | 0.0 | 145.7 | 364.2 | 502.5 | 524.4 |
| 95° | 0.0 | 123.8 | 335.0 | 458.8 | 480.7 |
| 97.5° | 0.0 | 116.5 | 298.6 | 422.4 | 444.3 |
| 100° | 0.0 | 102.0 | 269.5 | 386.0 | 415.1 |
| 102.5° | 0.0 | 94.7 | 247.6 | 349.6 | 378.7 |
| 105° | 0.0 | 87.4 | 225.8 | 320.5 | 349.6 |
| 107.5° | 0.0 | 80.1 | 211.2 | 298.6 | 320.5 |
| 110° | 0.0 | 80.1 | 189.4 | 276.8 | 298.6 |
| 112.5° | 7.3 | 72.8 | 174.8 | 247.6 | 269.5 |
| 115° | 7.3 | 72.8 | 160.2 | 233.1 | 247.6 |
| 117.5° | 7.3 | 72.8 | 152.9 | 211.2 | 225.8 |
| 120° | 7.3 | 65.5 | 145.7 | 196.6 | 211.2 |
| 122.5° | 7.3 | 65.5 | 138.4 | 182.1 | 189.4 |
| 125° | 7.3 | 58.3 | 131.1 | 167.5 | 182.1 |
| 127.5° | 7.3 | 58.3 | 123.8 | 160.2 | 167.5 |
| 130° | 7.3 | 58.3 | 116.5 | 145.7 | 160.2 |
| 132.5° | 7.3 | 51.0 | 109.2 | 138.4 | 145.7 |
| 135° | 7.3 | 51.0 | 102.0 | 131.1 | 138.4 |
| 137.5° | 7.3 | 43.7 | 94.7 | 123.8 | 131.1 |
| 140° | 7.3 | 43.7 | 87.4 | 116.5 | 123.8 |
| 142.5° | 7.3 | 36.4 | 80.1 | 109.2 | 116.5 |
| 145° | 7.3 | 36.4 | 72.8 | 102.0 | 109.2 |
| 147.5° | 7.3 | 36.4 | 65.5 | 94.7 | 102.0 |
| 150° | 7.3 | 29.1 | 58.3 | 87.4 | 94.7 |
| 152.5° | 7.3 | 29.1 | 51.0 | 80.1 | 87.4 |
| 155° | 7.3 | 29.1 | 51.0 | 72.8 | 80.1 |
| 157.5° | 7.3 | 21.8 | 43.7 | 58.3 | 72.8 |
| 160° | 7.3 | 21.8 | 36.4 | 51.0 | 65.5 |
| 162.5° | 7.3 | 21.8 | 36.4 | 43.7 | 51.0 |
| 165° | 7.3 | 14.6 | 29.1 | 36.4 | 43.7 |
| 167.5° | 7.3 | 14.6 | 21.8 | 29.1 | 36.4 |
| 170° | 7.3 | 14.6 | 21.8 | 21.8 | 29.1 |
| 172.5° | 7.3 | 14.6 | 14.6 | 14.6 | 14.6 |
| 175° | 14.6 | 14.6 | 14.6 | 14.6 | 7.3 |
| 177.5° | 14.6 | 14.6 | 14.6 | 7.3 | 7.3 |



TEST NUMBER: P567363

CATALOG NUMBER: 8SNX-134SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |

(END OF REPORT)