

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: P567259

Luminaire Tested: **8SNX-120SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LC-UNV-L835-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

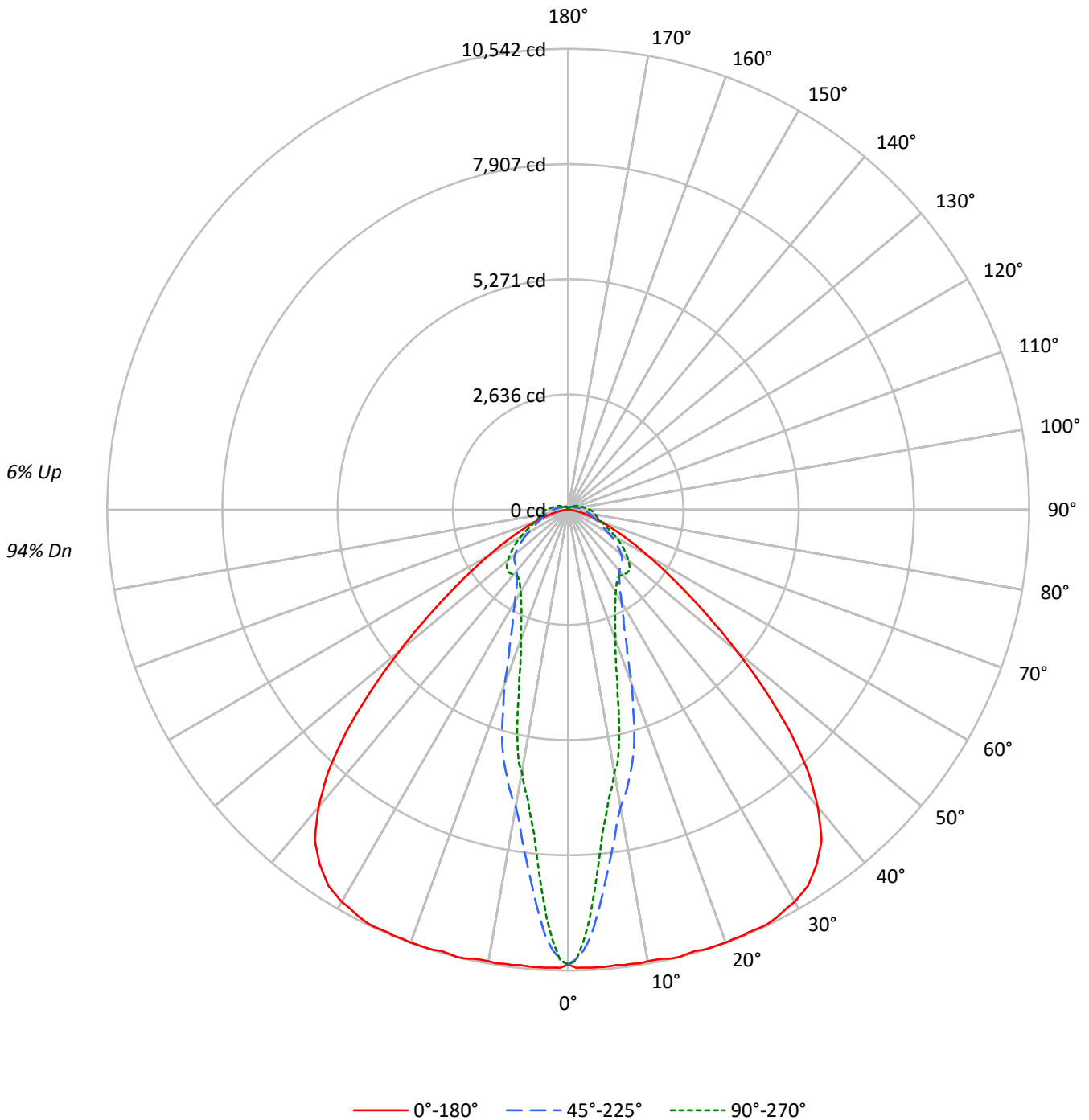
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12817.0 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 84
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: P567259
CATALOG NUMBER: 8SNX-120SL-LC-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567259

CATALOG NUMBER: 8SNX-120SL-LC-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 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 | | | | |
| 1 | 108 | 103 | 99 | 96 | 105 | 101 | 97 | 94 | 95 | 92 | 90 | 90 | 88 | 86 | 86 | 84 | 82 | 80 | | | | |
| 2 | 99 | 92 | 86 | 80 | 96 | 89 | 84 | 79 | 85 | 80 | 76 | 81 | 77 | 74 | 77 | 74 | 71 | 69 | | | | |
| 3 | 92 | 82 | 75 | 69 | 89 | 80 | 73 | 68 | 76 | 71 | 66 | 73 | 68 | 64 | 70 | 66 | 62 | 60 | | | | |
| 4 | 85 | 74 | 66 | 60 | 82 | 72 | 65 | 59 | 69 | 63 | 58 | 66 | 61 | 56 | 63 | 59 | 55 | 53 | | | | |
| 5 | 79 | 67 | 59 | 53 | 76 | 66 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 58 | 53 | 49 | 47 | | | | |
| 6 | 73 | 61 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 45 | 53 | 48 | 44 | 42 | | | | |
| 7 | 69 | 56 | 48 | 43 | 67 | 55 | 48 | 42 | 53 | 46 | 42 | 51 | 45 | 41 | 50 | 44 | 40 | 38 | | | | |
| 8 | 64 | 52 | 44 | 39 | 63 | 51 | 44 | 39 | 49 | 43 | 38 | 48 | 42 | 37 | 46 | 41 | 37 | 35 | | | | |
| 9 | 61 | 48 | 41 | 36 | 59 | 47 | 40 | 35 | 46 | 39 | 35 | 44 | 39 | 34 | 43 | 38 | 34 | 32 | | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 40 | 35 | 31 | 30 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 55961 | 55961 | 55961 |
| 5° | 56568 | 46020 | 41141 |
| 10° | 57116 | 34782 | 29776 |
| 15° | 58268 | 28462 | 20618 |
| 20° | 59888 | 20617 | 14562 |
| 25° | 61885 | 14786 | 11456 |
| 30° | 63608 | 11825 | 9756 |
| 35° | 64142 | 10013 | 8738 |
| 40° | 61319 | 9112 | 8759 |
| 45° | 53381 | 8814 | 8999 |
| 50° | 41106 | 8392 | 8397 |
| 55° | 29926 | 7348 | 7451 |
| 60° | 21837 | 6141 | 6300 |
| 65° | 16014 | 5201 | 5164 |
| 70° | 11926 | 4602 | 4453 |
| 75° | 8619 | 4271 | 4151 |
| 80° | 5826 | 4010 | 4088 |
| 85° | 2948 | 3835 | 4094 |



TEST NUMBER: P567259

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L835-CD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 817.7 | 6.4 |
| 10°-20° | 1775.7 | 13.9 |
| 20°-30° | 2032.5 | 15.9 |
| 30°-40° | 2036.2 | 15.9 |
| 40°-50° | 1927.5 | 15.0 |
| 50°-60° | 1478.2 | 11.5 |
| 60°-70° | 952.8 | 7.4 |
| 70°-80° | 607.6 | 4.7 |
| 80°-90° | 403.5 | 3.1 |
| 90°-100° | 271.2 | 2.1 |
| 100°-110° | 178.7 | 1.4 |
| 110°-120° | 124.3 | 1.0 |
| 120°-130° | 86.7 | 0.7 |
| 130°-140° | 60.2 | 0.5 |
| 140°-150° | 36.8 | 0.3 |
| 150°-160° | 18.7 | 0.1 |
| 160°-170° | 7.2 | 0.1 |
| 170°-180° | 1.4 | 0.0 |
| 0°-30° | 4625.9 | 36.1 |
| 0°-40° | 6662.1 | 52.0 |
| 0°-60° | 10067.8 | 78.6 |
| 0°-90° | 12031.7 | 93.9 |
| 90°-120° | 574.3 | 4.5 |
| 90°-150° | 758.0 | 5.9 |
| 90°-180° | 785.0 | 6.1 |
| 0°-180° | 12817.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-------|-------|-------|-------|-------|------|
| 0° | 10398 | 10398 | 10398 | 10398 | 10398 | |
| 5° | 10490 | 9912 | 8880 | 8283 | 8059 | ### |
| 15° | 10516 | 7573 | 5774 | 4742 | 4361 | 2983 |
| 25° | 10523 | 5360 | 3054 | 2654 | 2529 | 4851 |
| 35° | 9905 | 2982 | 2043 | 1977 | 1951 | 6146 |
| 45° | 7160 | 1885 | 1721 | 1905 | 1970 | 5443 |
| 55° | 3284 | 1346 | 1327 | 1491 | 1550 | 3020 |
| 65° | 1314 | 847 | 834 | 952 | 985 | 1351 |
| 75° | 447 | 460 | 578 | 663 | 696 | 491 |
| 85° | 59 | 210 | 407 | 532 | 572 | 81 |
| 90° | 0 | 144 | 342 | 473 | 493 | 3 |
| 95° | 0 | 105 | 282 | 388 | 407 | 0 |
| 105° | 0 | 79 | 184 | 263 | 282 | 4 |
| 115° | 7 | 66 | 138 | 190 | 204 | 7 |
| 125° | 7 | 59 | 118 | 138 | 144 | 6 |
| 135° | 7 | 46 | 92 | 112 | 118 | 5 |
| 145° | 7 | 33 | 66 | 85 | 92 | 4 |
| 155° | 7 | 20 | 39 | 59 | 66 | 3 |
| 165° | 13 | 13 | 26 | 33 | 39 | 3 |
| 175° | 13 | 13 | 13 | 13 | 7 | 1 |
| 180° | 13 | 13 | 13 | 13 | 13 | |



TEST NUMBER: P567259

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|---------|---------|---------|---------|---------|
| 0° | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 |
| 1° | 10483.2 | 10424.0 | 10286.1 | 10325.5 | 10319.0 |
| 2° | 10483.2 | 10358.4 | 10089.1 | 10010.2 | 9892.0 |
| 3° | 10489.7 | 10246.7 | 9786.9 | 9530.7 | 9366.5 |
| 4° | 10489.7 | 10082.5 | 9340.3 | 8913.3 | 8703.1 |
| 5° | 10489.7 | 9911.7 | 8880.5 | 8282.7 | 8059.4 |
| 6° | 10476.6 | 9708.1 | 8414.1 | 7783.6 | 7448.6 |
| 7° | 10496.3 | 9484.8 | 7993.7 | 7317.2 | 7054.5 |
| 8° | 10489.7 | 9222.0 | 7606.2 | 6962.5 | 6673.5 |
| 9° | 10509.4 | 8965.9 | 7185.8 | 6627.5 | 6410.8 |
| 10° | 10489.7 | 8729.4 | 6910.0 | 6312.2 | 6088.9 |
| 11° | 10489.7 | 8499.5 | 6712.9 | 6108.6 | 5918.1 |
| 12° | 10502.9 | 8236.8 | 6496.1 | 5819.6 | 5556.9 |
| 13° | 10535.7 | 7967.5 | 6246.5 | 5504.3 | 5195.6 |
| 14° | 10542.3 | 7763.8 | 6016.7 | 5103.6 | 4781.8 |
| 15° | 10516.0 | 7573.4 | 5773.6 | 4742.4 | 4361.4 |
| 16° | 10502.9 | 7376.3 | 5484.6 | 4400.8 | 4059.3 |
| 17° | 10529.1 | 7146.4 | 5156.2 | 4052.7 | 3737.4 |
| 18° | 10535.7 | 6936.2 | 4808.1 | 3790.0 | 3514.1 |
| 19° | 10535.7 | 6772.0 | 4525.6 | 3546.9 | 3310.5 |
| 20° | 10535.7 | 6614.4 | 4236.6 | 3363.0 | 3159.4 |
| 21° | 10522.6 | 6417.3 | 3908.2 | 3172.5 | 3001.8 |
| 22.5° | 10529.1 | 6049.5 | 3533.8 | 2949.2 | 2811.3 |
| 23° | 10509.4 | 5957.5 | 3441.8 | 2890.1 | 2745.6 |
| 24° | 10516.0 | 5694.8 | 3244.8 | 2771.9 | 2633.9 |
| 25° | 10522.6 | 5359.8 | 3054.3 | 2653.6 | 2528.8 |
| 26° | 10509.4 | 5090.5 | 2896.7 | 2542.0 | 2456.6 |
| 27° | 10476.6 | 4873.8 | 2785.0 | 2450.0 | 2371.2 |
| 28° | 10430.6 | 4584.7 | 2666.8 | 2371.2 | 2298.9 |
| 29° | 10384.6 | 4256.3 | 2548.5 | 2285.8 | 2233.3 |
| 30° | 10358.4 | 3993.6 | 2436.9 | 2220.1 | 2174.1 |
| 32.5° | 10200.7 | 3474.7 | 2207.0 | 2088.8 | 2049.3 |
| 35° | 9905.1 | 2982.1 | 2042.8 | 1977.1 | 1950.8 |
| 37.5° | 9517.6 | 2601.1 | 1918.0 | 1904.8 | 1911.4 |
| 40° | 8880.5 | 2298.9 | 1826.0 | 1885.1 | 1944.2 |
| 42.5° | 8118.5 | 2062.5 | 1760.3 | 1904.8 | 1970.5 |
| 45° | 7159.6 | 1885.1 | 1720.9 | 1904.8 | 1970.5 |
| 47.5° | 6095.5 | 1740.6 | 1674.9 | 1839.2 | 1904.8 |
| 50° | 5031.4 | 1609.3 | 1583.0 | 1740.6 | 1799.7 |
| 52.5° | 4092.1 | 1484.5 | 1464.8 | 1615.8 | 1674.9 |
| 55° | 3284.2 | 1346.5 | 1326.8 | 1491.0 | 1550.1 |
| 57.5° | 2633.9 | 1215.2 | 1195.4 | 1346.5 | 1405.6 |
| 60° | 2101.9 | 1083.8 | 1050.9 | 1202.0 | 1261.1 |
| 62.5° | 1674.9 | 959.0 | 939.3 | 1070.6 | 1123.2 |
| 65° | 1313.7 | 847.3 | 834.2 | 952.4 | 985.3 |



TEST NUMBER: P567259

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|-------|-------|-------|-------|
| 67.5° | 1037.8 | 742.2 | 748.8 | 847.3 | 886.7 |
| 70° | 801.3 | 643.7 | 683.1 | 775.1 | 801.3 |
| 72.5° | 604.3 | 545.2 | 630.6 | 709.4 | 742.2 |
| 75° | 446.7 | 459.8 | 578.0 | 663.4 | 696.3 |
| 77.5° | 308.7 | 381.0 | 532.0 | 624.0 | 656.8 |
| 80° | 210.2 | 308.7 | 486.1 | 591.2 | 630.6 |
| 82.5° | 124.8 | 256.2 | 446.7 | 558.3 | 604.3 |
| 85° | 59.1 | 210.2 | 407.2 | 532.0 | 571.5 |
| 87.5° | 19.7 | 170.8 | 367.8 | 505.8 | 538.6 |
| 90° | 0.0 | 144.5 | 341.6 | 472.9 | 492.6 |
| 92.5° | 0.0 | 124.8 | 308.7 | 433.5 | 446.7 |
| 95° | 0.0 | 105.1 | 282.4 | 387.5 | 407.2 |
| 97.5° | 0.0 | 98.5 | 262.7 | 348.1 | 374.4 |
| 100° | 0.0 | 92.0 | 236.5 | 315.3 | 341.6 |
| 102.5° | 0.0 | 78.8 | 210.2 | 282.4 | 308.7 |
| 105° | 0.0 | 78.8 | 183.9 | 262.7 | 282.4 |
| 107.5° | 6.6 | 72.3 | 170.8 | 236.5 | 262.7 |
| 110° | 6.6 | 72.3 | 151.1 | 223.3 | 243.0 |
| 112.5° | 6.6 | 72.3 | 144.5 | 203.6 | 229.9 |
| 115° | 6.6 | 65.7 | 137.9 | 190.5 | 203.6 |
| 117.5° | 6.6 | 65.7 | 131.4 | 170.8 | 183.9 |
| 120° | 6.6 | 59.1 | 124.8 | 157.6 | 164.2 |
| 122.5° | 6.6 | 59.1 | 118.2 | 144.5 | 151.1 |
| 125° | 6.6 | 59.1 | 118.2 | 137.9 | 144.5 |
| 127.5° | 6.6 | 52.5 | 111.7 | 131.4 | 131.4 |
| 130° | 6.6 | 52.5 | 105.1 | 124.8 | 124.8 |
| 132.5° | 6.6 | 46.0 | 98.5 | 118.2 | 124.8 |
| 135° | 6.6 | 46.0 | 92.0 | 111.7 | 118.2 |
| 137.5° | 6.6 | 39.4 | 85.4 | 105.1 | 111.7 |
| 140° | 6.6 | 39.4 | 78.8 | 98.5 | 105.1 |
| 142.5° | 6.6 | 32.8 | 72.3 | 92.0 | 98.5 |
| 145° | 6.6 | 32.8 | 65.7 | 85.4 | 92.0 |
| 147.5° | 6.6 | 32.8 | 59.1 | 78.8 | 85.4 |
| 150° | 6.6 | 26.3 | 52.5 | 72.3 | 78.8 |
| 152.5° | 6.6 | 26.3 | 46.0 | 65.7 | 72.3 |
| 155° | 6.6 | 19.7 | 39.4 | 59.1 | 65.7 |
| 157.5° | 6.6 | 19.7 | 39.4 | 52.5 | 59.1 |
| 160° | 13.1 | 19.7 | 32.8 | 46.0 | 52.5 |
| 162.5° | 6.6 | 13.1 | 32.8 | 39.4 | 46.0 |
| 165° | 13.1 | 13.1 | 26.3 | 32.8 | 39.4 |
| 167.5° | 13.1 | 13.1 | 19.7 | 26.3 | 32.8 |
| 170° | 13.1 | 13.1 | 19.7 | 19.7 | 26.3 |
| 172.5° | 13.1 | 13.1 | 13.1 | 19.7 | 13.1 |
| 175° | 13.1 | 13.1 | 13.1 | 13.1 | 6.6 |
| 177.5° | 13.1 | 13.1 | 13.1 | 13.1 | 6.6 |



TEST NUMBER: P567259

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|------|-------|------|-------|------|
| 180° | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |

(END OF REPORT)