

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: P567311

Luminaire Tested: **8SNX-126SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567311
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-126SL-LC-UNV-L935-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

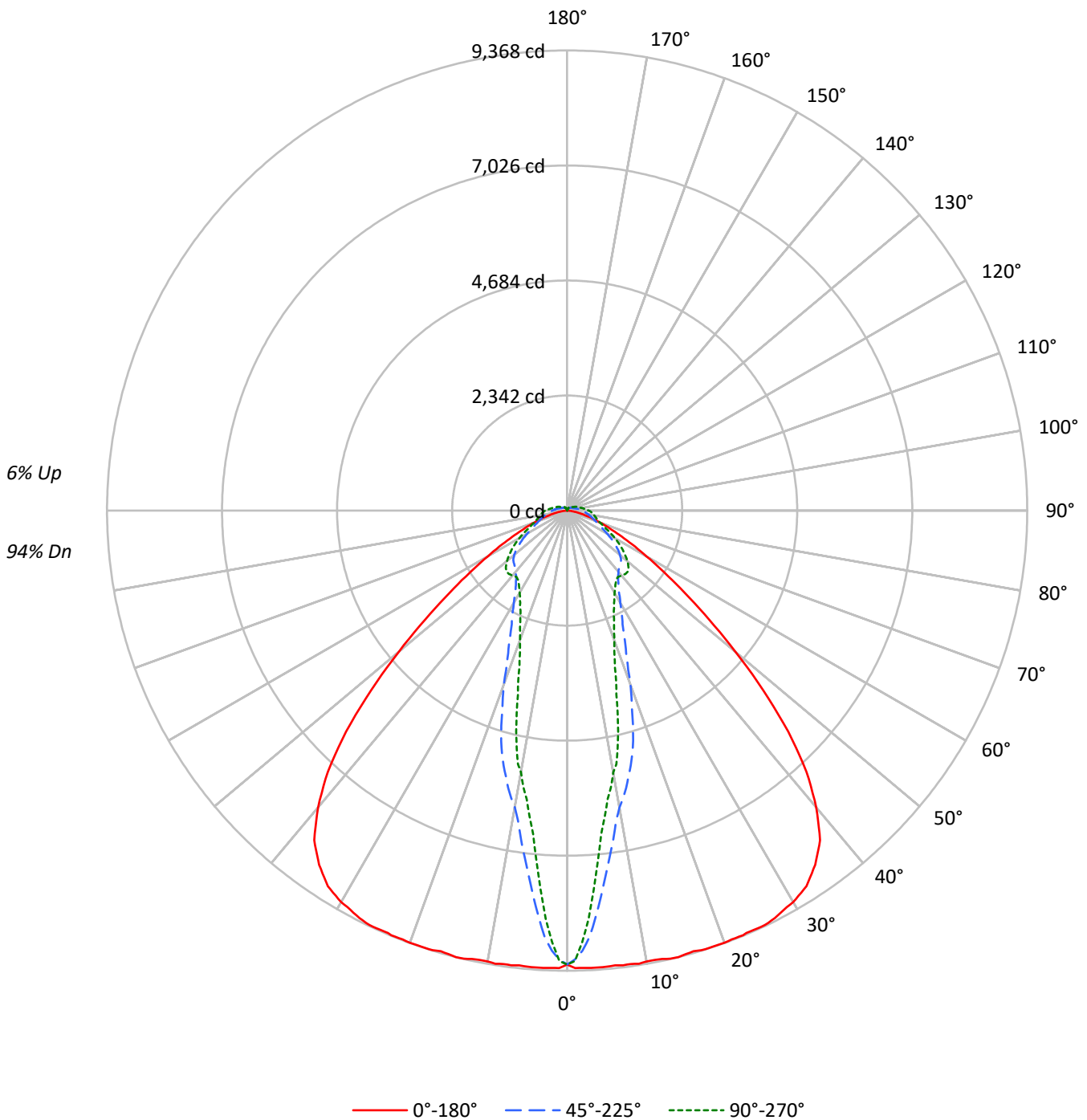
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11390.0 lumens
Efficiency: N/A
Efficacy: 128.3 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): 88.8
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: P567311
CATALOG NUMBER: 8SNX-126SL-LC-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567311

CATALOG NUMBER: 8SNX-126SL-LC-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 | 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° | 49730 | 49730 | 49730 |
| 5° | 50270 | 40896 | 36561 |
| 10° | 50757 | 30909 | 26460 |
| 15° | 51781 | 25293 | 18322 |
| 20° | 53220 | 18321 | 12940 |
| 25° | 54995 | 13139 | 10180 |
| 30° | 56526 | 10509 | 8670 |
| 35° | 57001 | 8898 | 7765 |
| 40° | 54492 | 8097 | 7784 |
| 45° | 47437 | 7832 | 7997 |
| 50° | 36530 | 7457 | 7462 |
| 55° | 26593 | 6530 | 6622 |
| 60° | 19406 | 5457 | 5598 |
| 65° | 14231 | 4622 | 4589 |
| 70° | 10599 | 4090 | 3957 |
| 75° | 7658 | 3796 | 3688 |
| 80° | 5178 | 3563 | 3633 |
| 85° | 2618 | 3408 | 3638 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 726.7 | 6.4 |
| 10°-20° | 1578.0 | 13.9 |
| 20°-30° | 1806.2 | 15.9 |
| 30°-40° | 1809.5 | 15.9 |
| 40°-50° | 1712.9 | 15.0 |
| 50°-60° | 1313.7 | 11.5 |
| 60°-70° | 846.7 | 7.4 |
| 70°-80° | 540.0 | 4.7 |
| 80°-90° | 358.6 | 3.1 |
| 90°-100° | 241.0 | 2.1 |
| 100°-110° | 158.8 | 1.4 |
| 110°-120° | 110.5 | 1.0 |
| 120°-130° | 77.1 | 0.7 |
| 130°-140° | 53.5 | 0.5 |
| 140°-150° | 32.7 | 0.3 |
| 150°-160° | 16.6 | 0.1 |
| 160°-170° | 6.4 | 0.1 |
| 170°-180° | 1.2 | 0.0 |
| 0°-30° | 4110.9 | 36.1 |
| 0°-40° | 5920.3 | 52.0 |
| 0°-60° | 8946.9 | 78.6 |
| 0°-90° | 10692.1 | 93.9 |
| 90°-120° | 510.3 | 4.5 |
| 90°-150° | 673.6 | 5.9 |
| 90°-180° | 698.0 | 6.1 |
| 0°-180° | 11390.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 9240 | 9240 | 9240 | 9240 | 9240 | |
| 5° | 9322 | 8808 | 7892 | 7361 | 7162 | 890 |
| 15° | 9345 | 6730 | 5131 | 4214 | 3876 | 2651 |
| 25° | 9351 | 4763 | 2714 | 2358 | 2247 | 4311 |
| 35° | 8802 | 2650 | 1815 | 1757 | 1734 | 5461 |
| 45° | 6362 | 1675 | 1529 | 1693 | 1751 | 4837 |
| 55° | 2918 | 1197 | 1179 | 1325 | 1378 | 2684 |
| 65° | 1167 | 753 | 741 | 846 | 876 | 1201 |
| 75° | 397 | 409 | 514 | 590 | 619 | 436 |
| 85° | 52 | 187 | 362 | 473 | 508 | 72 |
| 90° | 0 | 128 | 304 | 420 | 438 | 2 |
| 95° | 0 | 93 | 251 | 344 | 362 | 0 |
| 105° | 0 | 70 | 163 | 234 | 251 | 4 |
| 115° | 6 | 58 | 123 | 169 | 181 | 6 |
| 125° | 6 | 52 | 105 | 123 | 128 | 5 |
| 135° | 6 | 41 | 82 | 99 | 105 | 4 |
| 145° | 6 | 29 | 58 | 76 | 82 | 4 |
| 155° | 6 | 18 | 35 | 52 | 58 | 3 |
| 165° | 12 | 12 | 23 | 29 | 35 | 3 |
| 175° | 12 | 12 | 12 | 12 | 6 | 1 |
| 180° | 12 | 12 | 12 | 12 | 12 | |



TEST NUMBER: P567311

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 9240.1 | 9240.1 | 9240.1 | 9240.1 | 9240.1 |
| 1° | 9316.0 | 9263.5 | 9140.9 | 9175.9 | 9170.1 |
| 2° | 9316.0 | 9205.1 | 8965.8 | 8895.7 | 8790.7 |
| 3° | 9321.8 | 9105.9 | 8697.3 | 8469.6 | 8323.7 |
| 4° | 9321.8 | 8959.9 | 8300.3 | 7920.9 | 7734.2 |
| 5° | 9321.8 | 8808.2 | 7891.8 | 7360.6 | 7162.1 |
| 6° | 9310.2 | 8627.2 | 7477.3 | 6917.0 | 6619.3 |
| 7° | 9327.7 | 8428.8 | 7103.7 | 6502.5 | 6269.0 |
| 8° | 9321.8 | 8195.3 | 6759.4 | 6187.3 | 5930.5 |
| 9° | 9339.4 | 7967.6 | 6385.8 | 5889.6 | 5697.0 |
| 10° | 9321.8 | 7757.5 | 6140.6 | 5609.4 | 5411.0 |
| 11° | 9321.8 | 7553.2 | 5965.5 | 5428.5 | 5259.2 |
| 12° | 9333.5 | 7319.7 | 5772.9 | 5171.7 | 4938.2 |
| 13° | 9362.7 | 7080.4 | 5551.1 | 4891.5 | 4617.1 |
| 14° | 9368.5 | 6899.4 | 5346.8 | 4535.4 | 4249.4 |
| 15° | 9345.2 | 6730.2 | 5130.8 | 4214.4 | 3875.8 |
| 16° | 9333.5 | 6555.1 | 4874.0 | 3910.9 | 3607.3 |
| 17° | 9356.9 | 6350.8 | 4582.1 | 3601.5 | 3321.3 |
| 18° | 9362.7 | 6164.0 | 4272.8 | 3368.0 | 3122.8 |
| 19° | 9362.7 | 6018.0 | 4021.8 | 3152.0 | 2941.9 |
| 20° | 9362.7 | 5878.0 | 3764.9 | 2988.6 | 2807.6 |
| 21° | 9351.0 | 5702.8 | 3473.1 | 2819.3 | 2667.6 |
| 22.5° | 9356.9 | 5376.0 | 3140.4 | 2620.9 | 2498.3 |
| 23° | 9339.4 | 5294.2 | 3058.6 | 2568.3 | 2439.9 |
| 24° | 9345.2 | 5060.8 | 2883.5 | 2463.3 | 2340.7 |
| 25° | 9351.0 | 4763.1 | 2714.2 | 2358.2 | 2247.3 |
| 26° | 9339.4 | 4523.7 | 2574.2 | 2259.0 | 2183.1 |
| 27° | 9310.2 | 4331.1 | 2474.9 | 2177.2 | 2107.2 |
| 28° | 9269.3 | 4074.3 | 2369.9 | 2107.2 | 2043.0 |
| 29° | 9228.4 | 3782.4 | 2264.8 | 2031.3 | 1984.6 |
| 30° | 9205.1 | 3549.0 | 2165.6 | 1972.9 | 1932.1 |
| 32.5° | 9065.0 | 3087.8 | 1961.3 | 1856.2 | 1821.2 |
| 35° | 8802.3 | 2650.0 | 1815.3 | 1757.0 | 1733.6 |
| 37.5° | 8458.0 | 2311.5 | 1704.4 | 1692.8 | 1698.6 |
| 40° | 7891.8 | 2043.0 | 1622.7 | 1675.2 | 1727.8 |
| 42.5° | 7214.6 | 1832.8 | 1564.3 | 1692.8 | 1751.1 |
| 45° | 6362.4 | 1675.2 | 1529.3 | 1692.8 | 1751.1 |
| 47.5° | 5416.8 | 1546.8 | 1488.5 | 1634.4 | 1692.8 |
| 50° | 4471.2 | 1430.1 | 1406.7 | 1546.8 | 1599.4 |
| 52.5° | 3636.5 | 1319.2 | 1301.7 | 1435.9 | 1488.5 |
| 55° | 2918.5 | 1196.6 | 1179.1 | 1325.0 | 1377.6 |
| 57.5° | 2340.7 | 1079.9 | 1062.4 | 1196.6 | 1249.1 |
| 60° | 1867.9 | 963.1 | 933.9 | 1068.2 | 1120.7 |
| 62.5° | 1488.5 | 852.2 | 834.7 | 951.4 | 998.1 |
| 65° | 1167.4 | 753.0 | 741.3 | 846.4 | 875.6 |



TEST NUMBER: P567311

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 922.3 | 659.6 | 665.4 | 753.0 | 788.0 |
| 70° | 712.1 | 572.0 | 607.1 | 688.8 | 712.1 |
| 72.5° | 537.0 | 484.5 | 560.4 | 630.4 | 659.6 |
| 75° | 396.9 | 408.6 | 513.7 | 589.5 | 618.7 |
| 77.5° | 274.3 | 338.6 | 472.8 | 554.5 | 583.7 |
| 80° | 186.8 | 274.3 | 431.9 | 525.3 | 560.4 |
| 82.5° | 110.9 | 227.6 | 396.9 | 496.2 | 537.0 |
| 85° | 52.5 | 186.8 | 361.9 | 472.8 | 507.8 |
| 87.5° | 17.5 | 151.8 | 326.9 | 449.5 | 478.6 |
| 90° | 0.0 | 128.4 | 303.5 | 420.3 | 437.8 |
| 92.5° | 0.0 | 110.9 | 274.3 | 385.2 | 396.9 |
| 95° | 0.0 | 93.4 | 251.0 | 344.4 | 361.9 |
| 97.5° | 0.0 | 87.6 | 233.5 | 309.4 | 332.7 |
| 100° | 0.0 | 81.7 | 210.1 | 280.2 | 303.5 |
| 102.5° | 0.0 | 70.0 | 186.8 | 251.0 | 274.3 |
| 105° | 0.0 | 70.0 | 163.4 | 233.5 | 251.0 |
| 107.5° | 5.8 | 64.2 | 151.8 | 210.1 | 233.5 |
| 110° | 5.8 | 64.2 | 134.3 | 198.5 | 216.0 |
| 112.5° | 5.8 | 64.2 | 128.4 | 180.9 | 204.3 |
| 115° | 5.8 | 58.4 | 122.6 | 169.3 | 180.9 |
| 117.5° | 5.8 | 58.4 | 116.7 | 151.8 | 163.4 |
| 120° | 5.8 | 52.5 | 110.9 | 140.1 | 145.9 |
| 122.5° | 5.8 | 52.5 | 105.1 | 128.4 | 134.3 |
| 125° | 5.8 | 52.5 | 105.1 | 122.6 | 128.4 |
| 127.5° | 5.8 | 46.7 | 99.2 | 116.7 | 116.7 |
| 130° | 5.8 | 46.7 | 93.4 | 110.9 | 110.9 |
| 132.5° | 5.8 | 40.9 | 87.6 | 105.1 | 110.9 |
| 135° | 5.8 | 40.9 | 81.7 | 99.2 | 105.1 |
| 137.5° | 5.8 | 35.0 | 75.9 | 93.4 | 99.2 |
| 140° | 5.8 | 35.0 | 70.0 | 87.6 | 93.4 |
| 142.5° | 5.8 | 29.2 | 64.2 | 81.7 | 87.6 |
| 145° | 5.8 | 29.2 | 58.4 | 75.9 | 81.7 |
| 147.5° | 5.8 | 29.2 | 52.5 | 70.0 | 75.9 |
| 150° | 5.8 | 23.3 | 46.7 | 64.2 | 70.0 |
| 152.5° | 5.8 | 23.3 | 40.9 | 58.4 | 64.2 |
| 155° | 5.8 | 17.5 | 35.0 | 52.5 | 58.4 |
| 157.5° | 5.8 | 17.5 | 35.0 | 46.7 | 52.5 |
| 160° | 11.7 | 17.5 | 29.2 | 40.9 | 46.7 |
| 162.5° | 5.8 | 11.7 | 29.2 | 35.0 | 40.9 |
| 165° | 11.7 | 11.7 | 23.3 | 29.2 | 35.0 |
| 167.5° | 11.7 | 11.7 | 17.5 | 23.3 | 29.2 |
| 170° | 11.7 | 11.7 | 17.5 | 17.5 | 23.3 |
| 172.5° | 11.7 | 11.7 | 11.7 | 17.5 | 11.7 |
| 175° | 11.7 | 11.7 | 11.7 | 11.7 | 5.8 |
| 177.5° | 11.7 | 11.7 | 11.7 | 11.7 | 5.8 |



TEST NUMBER: P567311

CATALOG NUMBER: 8SNX-126SL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|------|-------|------|-------|------|
| 180° | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |

(END OF REPORT)