

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: P567265

Luminaire Tested: **8SNX-120SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567265
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-L950-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

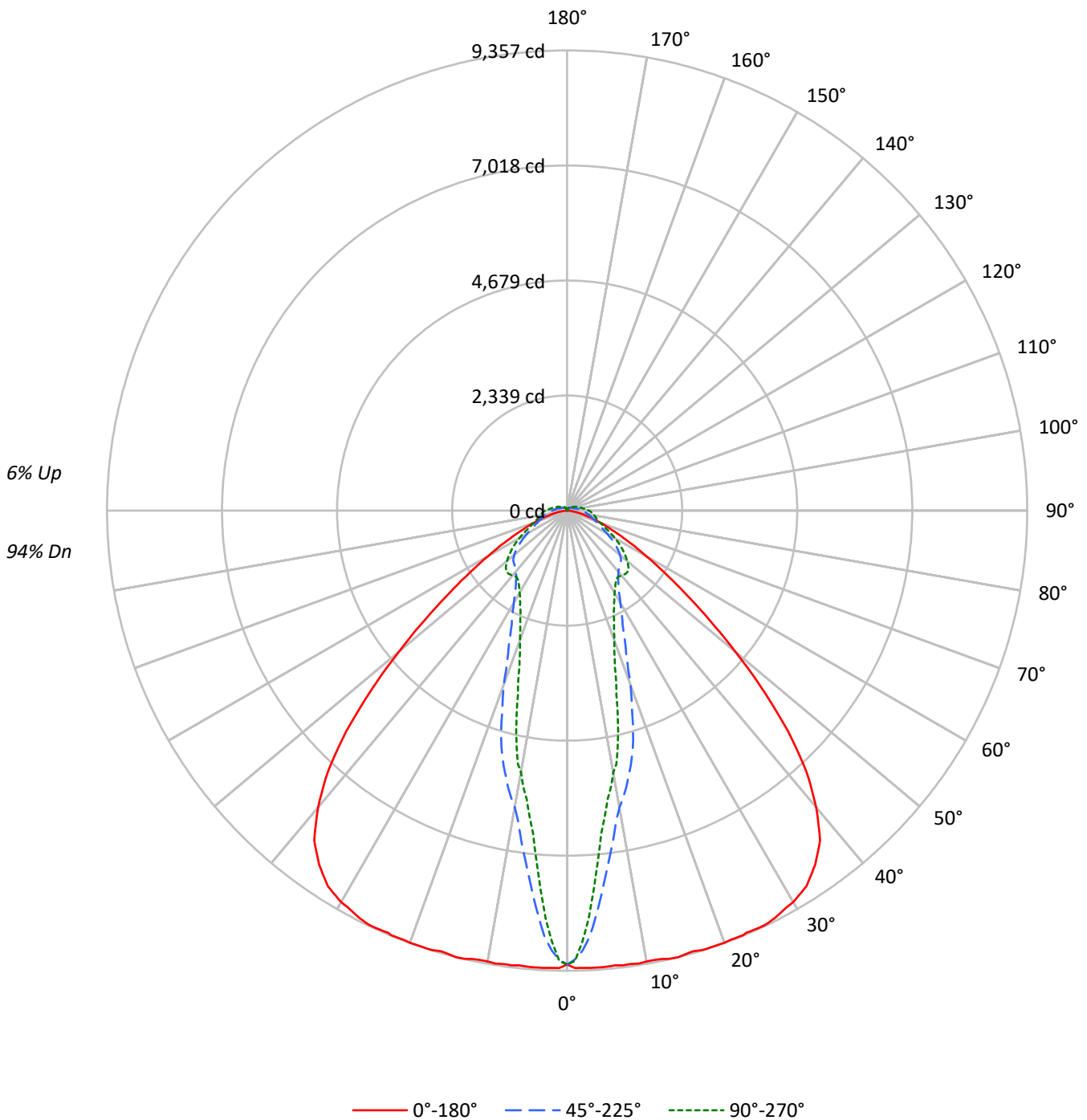
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11376.0 lumens
Efficiency: N/A
Efficacy: 135.4 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: P567265
CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567265

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-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° | 49669 | 49669 | 49669 |
| 5° | 50208 | 40846 | 36516 |
| 10° | 50695 | 30871 | 26428 |
| 15° | 51717 | 25262 | 18300 |
| 20° | 53155 | 18299 | 12925 |
| 25° | 54927 | 13123 | 10168 |
| 30° | 56456 | 10496 | 8659 |
| 35° | 56931 | 8887 | 7756 |
| 40° | 54425 | 8087 | 7775 |
| 45° | 47379 | 7823 | 7987 |
| 50° | 36485 | 7448 | 7453 |
| 55° | 26562 | 6522 | 6613 |
| 60° | 19382 | 5451 | 5591 |
| 65° | 14214 | 4616 | 4584 |
| 70° | 10587 | 4085 | 3953 |
| 75° | 7648 | 3790 | 3684 |
| 80° | 5172 | 3559 | 3628 |
| 85° | 2618 | 3405 | 3633 |



TEST NUMBER: P567265

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-CD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 725.8 | 6.4 |
| 10°-20° | 1576.0 | 13.9 |
| 20°-30° | 1804.0 | 15.9 |
| 30°-40° | 1807.2 | 15.9 |
| 40°-50° | 1710.8 | 15.0 |
| 50°-60° | 1312.0 | 11.5 |
| 60°-70° | 845.7 | 7.4 |
| 70°-80° | 539.3 | 4.7 |
| 80°-90° | 358.1 | 3.1 |
| 90°-100° | 240.7 | 2.1 |
| 100°-110° | 158.6 | 1.4 |
| 110°-120° | 110.3 | 1.0 |
| 120°-130° | 77.0 | 0.7 |
| 130°-140° | 53.4 | 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° | 4105.8 | 36.1 |
| 0°-40° | 5913.1 | 52.0 |
| 0°-60° | 8935.9 | 78.6 |
| 0°-90° | 10679.0 | 93.9 |
| 90°-120° | 509.7 | 4.5 |
| 90°-150° | 672.8 | 5.9 |
| 90°-180° | 697.0 | 6.1 |
| 0°-180° | 11376.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 9229 | 9229 | 9229 | 9229 | 9229 | |
| 5° | 9310 | 8797 | 7882 | 7352 | 7153 | 889 |
| 15° | 9334 | 6722 | 5124 | 4209 | 3871 | 2647 |
| 25° | 9340 | 4757 | 2711 | 2355 | 2244 | 4306 |
| 35° | 8792 | 2647 | 1813 | 1755 | 1732 | 5455 |
| 45° | 6355 | 1673 | 1527 | 1691 | 1749 | 4831 |
| 55° | 2915 | 1195 | 1178 | 1323 | 1376 | 2681 |
| 65° | 1166 | 752 | 740 | 845 | 874 | 1199 |
| 75° | 396 | 408 | 513 | 589 | 618 | 436 |
| 85° | 52 | 187 | 362 | 472 | 507 | 72 |
| 90° | 0 | 128 | 303 | 420 | 437 | 2 |
| 95° | 0 | 93 | 251 | 344 | 362 | 0 |
| 105° | 0 | 70 | 163 | 233 | 251 | 4 |
| 115° | 6 | 58 | 122 | 169 | 181 | 6 |
| 125° | 6 | 52 | 105 | 122 | 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: P567265

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 9228.8 | 9228.8 | 9228.8 | 9228.8 | 9228.8 |
| 1° | 9304.6 | 9252.1 | 9129.7 | 9164.6 | 9158.8 |
| 2° | 9304.6 | 9193.8 | 8954.8 | 8884.8 | 8779.9 |
| 3° | 9310.4 | 9094.7 | 8686.6 | 8459.2 | 8313.5 |
| 4° | 9310.4 | 8948.9 | 8290.1 | 7911.2 | 7724.6 |
| 5° | 9310.4 | 8797.3 | 7882.1 | 7351.5 | 7153.3 |
| 6° | 9298.7 | 8616.6 | 7468.1 | 6908.5 | 6611.1 |
| 7° | 9316.2 | 8418.4 | 7095.0 | 6494.5 | 6261.3 |
| 8° | 9310.4 | 8185.2 | 6751.0 | 6179.7 | 5923.2 |
| 9° | 9327.9 | 7957.8 | 6377.9 | 5882.4 | 5690.0 |
| 10° | 9310.4 | 7748.0 | 6133.1 | 5602.6 | 5404.3 |
| 11° | 9310.4 | 7543.9 | 5958.2 | 5421.8 | 5252.8 |
| 12° | 9322.0 | 7310.7 | 5765.8 | 5165.3 | 4932.1 |
| 13° | 9351.2 | 7071.7 | 5544.3 | 4885.5 | 4611.5 |
| 14° | 9357.0 | 6891.0 | 5340.2 | 4529.8 | 4244.2 |
| 15° | 9333.7 | 6721.9 | 5124.5 | 4209.2 | 3871.1 |
| 16° | 9322.0 | 6547.0 | 4868.0 | 3906.0 | 3602.9 |
| 17° | 9345.4 | 6343.0 | 4576.5 | 3597.1 | 3317.2 |
| 18° | 9351.2 | 6156.4 | 4267.5 | 3363.9 | 3119.0 |
| 19° | 9351.2 | 6010.6 | 4016.8 | 3148.2 | 2938.3 |
| 20° | 9351.2 | 5870.7 | 3760.3 | 2984.9 | 2804.2 |
| 21° | 9339.5 | 5695.8 | 3468.8 | 2815.9 | 2664.3 |
| 22.5° | 9345.4 | 5369.4 | 3136.5 | 2617.6 | 2495.2 |
| 23° | 9327.9 | 5287.7 | 3054.9 | 2565.2 | 2436.9 |
| 24° | 9333.7 | 5054.5 | 2880.0 | 2460.2 | 2337.8 |
| 25° | 9339.5 | 4757.2 | 2710.9 | 2355.3 | 2244.5 |
| 26° | 9327.9 | 4518.2 | 2571.0 | 2256.2 | 2180.4 |
| 27° | 9298.7 | 4325.8 | 2471.9 | 2174.6 | 2104.6 |
| 28° | 9257.9 | 4069.3 | 2366.9 | 2104.6 | 2040.5 |
| 29° | 9217.1 | 3777.8 | 2262.0 | 2028.8 | 1982.2 |
| 30° | 9193.8 | 3544.6 | 2162.9 | 1970.5 | 1929.7 |
| 32.5° | 9053.9 | 3084.0 | 1958.9 | 1853.9 | 1818.9 |
| 35° | 8791.5 | 2646.8 | 1813.1 | 1754.8 | 1731.5 |
| 37.5° | 8447.6 | 2308.6 | 1702.3 | 1690.7 | 1696.5 |
| 40° | 7882.1 | 2040.5 | 1620.7 | 1673.2 | 1725.7 |
| 42.5° | 7205.8 | 1830.6 | 1562.4 | 1690.7 | 1749.0 |
| 45° | 6354.6 | 1673.2 | 1527.4 | 1690.7 | 1749.0 |
| 47.5° | 5410.2 | 1544.9 | 1486.6 | 1632.4 | 1690.7 |
| 50° | 4465.7 | 1428.3 | 1405.0 | 1544.9 | 1597.4 |
| 52.5° | 3632.0 | 1317.6 | 1300.1 | 1434.2 | 1486.6 |
| 55° | 2915.0 | 1195.1 | 1177.6 | 1323.4 | 1375.9 |
| 57.5° | 2337.8 | 1078.5 | 1061.0 | 1195.1 | 1247.6 |
| 60° | 1865.6 | 961.9 | 932.8 | 1066.9 | 1119.3 |
| 62.5° | 1486.6 | 851.2 | 833.7 | 950.3 | 996.9 |
| 65° | 1166.0 | 752.1 | 740.4 | 845.3 | 874.5 |



TEST NUMBER: P567265

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 921.1 | 658.8 | 664.6 | 752.1 | 787.0 |
| 70° | 711.3 | 571.3 | 606.3 | 687.9 | 711.3 |
| 72.5° | 536.4 | 483.9 | 559.7 | 629.6 | 658.8 |
| 75° | 396.4 | 408.1 | 513.0 | 588.8 | 618.0 |
| 77.5° | 274.0 | 338.1 | 472.2 | 553.8 | 583.0 |
| 80° | 186.6 | 274.0 | 431.4 | 524.7 | 559.7 |
| 82.5° | 110.8 | 227.4 | 396.4 | 495.5 | 536.4 |
| 85° | 52.5 | 186.6 | 361.5 | 472.2 | 507.2 |
| 87.5° | 17.5 | 151.6 | 326.5 | 448.9 | 478.1 |
| 90° | 0.0 | 128.3 | 303.2 | 419.8 | 437.2 |
| 92.5° | 0.0 | 110.8 | 274.0 | 384.8 | 396.4 |
| 95° | 0.0 | 93.3 | 250.7 | 344.0 | 361.5 |
| 97.5° | 0.0 | 87.4 | 233.2 | 309.0 | 332.3 |
| 100° | 0.0 | 81.6 | 209.9 | 279.8 | 303.2 |
| 102.5° | 0.0 | 70.0 | 186.6 | 250.7 | 274.0 |
| 105° | 0.0 | 70.0 | 163.2 | 233.2 | 250.7 |
| 107.5° | 5.8 | 64.1 | 151.6 | 209.9 | 233.2 |
| 110° | 5.8 | 64.1 | 134.1 | 198.2 | 215.7 |
| 112.5° | 5.8 | 64.1 | 128.3 | 180.7 | 204.0 |
| 115° | 5.8 | 58.3 | 122.4 | 169.1 | 180.7 |
| 117.5° | 5.8 | 58.3 | 116.6 | 151.6 | 163.2 |
| 120° | 5.8 | 52.5 | 110.8 | 139.9 | 145.7 |
| 122.5° | 5.8 | 52.5 | 104.9 | 128.3 | 134.1 |
| 125° | 5.8 | 52.5 | 104.9 | 122.4 | 128.3 |
| 127.5° | 5.8 | 46.6 | 99.1 | 116.6 | 116.6 |
| 130° | 5.8 | 46.6 | 93.3 | 110.8 | 110.8 |
| 132.5° | 5.8 | 40.8 | 87.4 | 104.9 | 110.8 |
| 135° | 5.8 | 40.8 | 81.6 | 99.1 | 104.9 |
| 137.5° | 5.8 | 35.0 | 75.8 | 93.3 | 99.1 |
| 140° | 5.8 | 35.0 | 70.0 | 87.4 | 93.3 |
| 142.5° | 5.8 | 29.1 | 64.1 | 81.6 | 87.4 |
| 145° | 5.8 | 29.1 | 58.3 | 75.8 | 81.6 |
| 147.5° | 5.8 | 29.1 | 52.5 | 70.0 | 75.8 |
| 150° | 5.8 | 23.3 | 46.6 | 64.1 | 70.0 |
| 152.5° | 5.8 | 23.3 | 40.8 | 58.3 | 64.1 |
| 155° | 5.8 | 17.5 | 35.0 | 52.5 | 58.3 |
| 157.5° | 5.8 | 17.5 | 35.0 | 46.6 | 52.5 |
| 160° | 11.7 | 17.5 | 29.1 | 40.8 | 46.6 |
| 162.5° | 5.8 | 11.7 | 29.1 | 35.0 | 40.8 |
| 165° | 11.7 | 11.7 | 23.3 | 29.1 | 35.0 |
| 167.5° | 11.7 | 11.7 | 17.5 | 23.3 | 29.1 |
| 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: P567265

CATALOG NUMBER: 8SNX-120SL-LC-UNV-L950-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)