

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: P567273

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567273
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-120SL-LN-UNV-L950-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

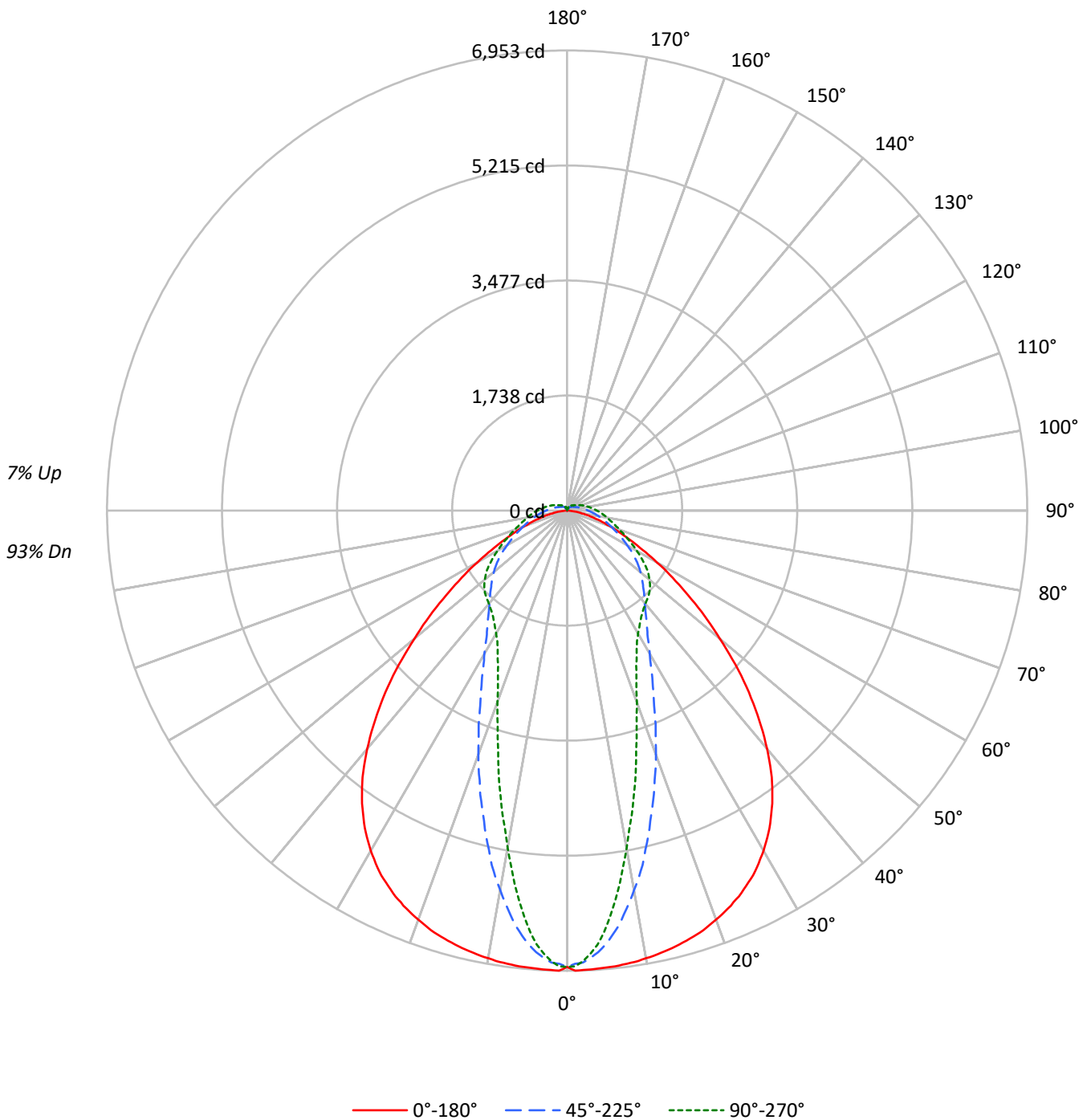
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10992.0 lumens
Efficiency: N/A
Efficacy: 130.9 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): 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: P567273
CATALOG NUMBER: 8SNX-120SL-LN-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567273

CATALOG NUMBER: 8SNX-120SL-LN-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 | 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° | 37112 | 37112 | 37112 |
| 5° | 37372 | 34152 | 32642 |
| 10° | 37390 | 29316 | 25325 |
| 15° | 37442 | 23940 | 18981 |
| 20° | 37396 | 19091 | 14205 |
| 25° | 37133 | 14975 | 11273 |
| 30° | 36436 | 12132 | 9616 |
| 35° | 34992 | 10278 | 8747 |
| 40° | 32459 | 9084 | 8279 |
| 45° | 28949 | 8320 | 8024 |
| 50° | 24615 | 7665 | 7580 |
| 55° | 20314 | 6955 | 6923 |
| 60° | 16339 | 6127 | 6072 |
| 65° | 12781 | 5387 | 5284 |
| 70° | 10032 | 4774 | 4674 |
| 75° | 7891 | 4299 | 4258 |
| 80° | 5749 | 3944 | 3958 |
| 85° | 3446 | 3689 | 3797 |



TEST NUMBER: P567273

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

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 610.6 | 5.6 |
| 10°-20° | 1431.4 | 13.0 |
| 20°-30° | 1699.1 | 15.5 |
| 30°-40° | 1709.4 | 15.6 |
| 40°-50° | 1589.0 | 14.5 |
| 50°-60° | 1308.4 | 11.9 |
| 60°-70° | 922.0 | 8.4 |
| 70°-80° | 602.3 | 5.5 |
| 80°-90° | 384.6 | 3.5 |
| 90°-100° | 252.2 | 2.3 |
| 100°-110° | 171.2 | 1.6 |
| 110°-120° | 117.4 | 1.1 |
| 120°-130° | 81.2 | 0.7 |
| 130°-140° | 54.6 | 0.5 |
| 140°-150° | 33.7 | 0.3 |
| 150°-160° | 17.5 | 0.2 |
| 160°-170° | 6.3 | 0.1 |
| 170°-180° | 1.1 | 0.0 |
| 0°-30° | 3741.1 | 34.0 |
| 0°-40° | 5450.5 | 49.6 |
| 0°-60° | 8348.0 | 75.9 |
| 0°-90° | 10256.8 | 93.3 |
| 90°-120° | 540.8 | 4.9 |
| 90°-150° | 710.3 | 6.5 |
| 90°-180° | 735.0 | 6.7 |
| 0°-180° | 10992.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 6896 | 6896 | 6896 | 6896 | 6896 | |
| 5° | 6930 | 6838 | 6590 | 6464 | 6394 | 660 |
| 15° | 6757 | 6037 | 4856 | 4246 | 4015 | 1908 |
| 25° | 6314 | 4666 | 3094 | 2598 | 2489 | 2905 |
| 35° | 5404 | 3157 | 2097 | 1964 | 1953 | 3361 |
| 45° | 3883 | 2080 | 1624 | 1711 | 1757 | 2981 |
| 55° | 2229 | 1365 | 1256 | 1394 | 1440 | 2014 |
| 65° | 1048 | 824 | 864 | 974 | 1008 | 1064 |
| 75° | 409 | 426 | 582 | 686 | 714 | 442 |
| 85° | 69 | 196 | 392 | 507 | 530 | 87 |
| 90° | 0 | 132 | 317 | 432 | 449 | 4 |
| 95° | 0 | 98 | 265 | 363 | 380 | 0 |
| 105° | 0 | 69 | 179 | 254 | 276 | 0 |
| 115° | 6 | 58 | 127 | 184 | 196 | 5 |
| 125° | 6 | 46 | 104 | 132 | 144 | 5 |
| 135° | 6 | 40 | 81 | 104 | 110 | 4 |
| 145° | 6 | 29 | 58 | 81 | 86 | 4 |
| 155° | 6 | 23 | 40 | 58 | 63 | 3 |
| 165° | 6 | 12 | 23 | 29 | 35 | 2 |
| 175° | 12 | 12 | 12 | 12 | 6 | 1 |
| 180° | 6 | 6 | 6 | 6 | 6 | |



TEST NUMBER: P567273

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

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 6895.6 | 6895.6 | 6895.6 | 6895.6 | 6895.6 |
| 1° | 6953.2 | 6924.4 | 6849.5 | 6901.4 | 6889.9 |
| 2° | 6947.5 | 6918.7 | 6832.2 | 6855.3 | 6815.0 |
| 3° | 6941.7 | 6901.4 | 6768.9 | 6763.1 | 6705.5 |
| 4° | 6935.9 | 6872.6 | 6688.2 | 6619.1 | 6573.0 |
| 5° | 6930.2 | 6838.0 | 6590.3 | 6463.6 | 6394.4 |
| 6° | 6924.4 | 6797.7 | 6463.6 | 6273.5 | 6175.5 |
| 7° | 6912.9 | 6734.3 | 6331.1 | 6071.8 | 5945.1 |
| 8° | 6901.4 | 6676.7 | 6164.0 | 5852.9 | 5697.4 |
| 9° | 6889.9 | 6601.8 | 5996.9 | 5616.7 | 5432.4 |
| 10° | 6866.8 | 6526.9 | 5824.1 | 5374.8 | 5178.9 |
| 11° | 6855.3 | 6440.5 | 5657.1 | 5144.3 | 4913.9 |
| 12° | 6832.2 | 6348.3 | 5478.5 | 4902.4 | 4700.8 |
| 13° | 6809.2 | 6250.4 | 5259.6 | 4695.0 | 4453.1 |
| 14° | 6786.2 | 6146.7 | 5069.5 | 4464.6 | 4239.9 |
| 15° | 6757.4 | 6037.3 | 4856.3 | 4245.7 | 4015.2 |
| 16° | 6728.5 | 5910.5 | 4666.2 | 4021.0 | 3779.0 |
| 17° | 6699.7 | 5789.5 | 4487.6 | 3813.6 | 3594.7 |
| 18° | 6665.2 | 5668.6 | 4280.2 | 3612.0 | 3398.8 |
| 19° | 6619.1 | 5530.3 | 4113.2 | 3427.6 | 3231.8 |
| 20° | 6578.8 | 5403.6 | 3923.1 | 3254.8 | 3082.0 |
| 21° | 6532.7 | 5248.0 | 3733.0 | 3093.5 | 2920.7 |
| 22.5° | 6463.6 | 5029.1 | 3491.0 | 2891.9 | 2730.6 |
| 23° | 6429.0 | 4965.8 | 3393.1 | 2817.0 | 2678.7 |
| 24° | 6382.9 | 4798.7 | 3231.8 | 2701.8 | 2563.5 |
| 25° | 6313.8 | 4666.2 | 3093.5 | 2598.1 | 2488.6 |
| 26° | 6250.4 | 4504.9 | 2955.3 | 2505.9 | 2396.5 |
| 27° | 6187.0 | 4349.4 | 2834.3 | 2408.0 | 2315.8 |
| 28° | 6106.4 | 4188.1 | 2701.8 | 2327.3 | 2246.7 |
| 29° | 6020.0 | 4038.3 | 2592.3 | 2258.2 | 2194.8 |
| 30° | 5933.6 | 3871.2 | 2500.2 | 2194.8 | 2143.0 |
| 32.5° | 5691.6 | 3502.5 | 2264.0 | 2073.9 | 2039.3 |
| 35° | 5403.6 | 3156.9 | 2096.9 | 1964.4 | 1952.9 |
| 37.5° | 5081.0 | 2840.0 | 1947.1 | 1878.0 | 1889.5 |
| 40° | 4700.8 | 2552.0 | 1820.4 | 1814.6 | 1837.7 |
| 42.5° | 4297.5 | 2304.3 | 1722.5 | 1762.8 | 1797.4 |
| 45° | 3882.7 | 2079.6 | 1624.5 | 1710.9 | 1757.0 |
| 47.5° | 3450.7 | 1883.8 | 1538.1 | 1647.6 | 1699.4 |
| 50° | 3012.9 | 1693.7 | 1445.9 | 1572.7 | 1624.5 |
| 52.5° | 2621.1 | 1526.6 | 1353.8 | 1486.3 | 1543.9 |
| 55° | 2229.4 | 1365.3 | 1255.8 | 1394.1 | 1440.2 |
| 57.5° | 1889.5 | 1215.5 | 1152.1 | 1290.4 | 1325.0 |
| 60° | 1572.7 | 1071.5 | 1048.5 | 1175.2 | 1215.5 |
| 62.5° | 1284.6 | 944.8 | 950.5 | 1071.5 | 1111.8 |
| 65° | 1048.5 | 823.8 | 864.1 | 973.6 | 1008.1 |



TEST NUMBER: P567273

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

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 852.6 | 708.6 | 777.7 | 892.9 | 921.7 |
| 70° | 674.0 | 604.9 | 708.6 | 812.3 | 841.1 |
| 72.5° | 535.7 | 512.7 | 639.4 | 748.9 | 771.9 |
| 75° | 409.0 | 426.3 | 581.8 | 685.5 | 714.3 |
| 77.5° | 293.8 | 357.2 | 524.2 | 633.7 | 656.7 |
| 80° | 207.4 | 293.8 | 478.1 | 587.6 | 610.6 |
| 82.5° | 132.5 | 242.0 | 432.1 | 547.3 | 570.3 |
| 85° | 69.1 | 195.9 | 391.7 | 506.9 | 530.0 |
| 87.5° | 28.8 | 161.3 | 351.4 | 466.6 | 489.7 |
| 90° | 0.0 | 132.5 | 316.8 | 432.1 | 449.3 |
| 92.5° | 0.0 | 115.2 | 288.0 | 397.5 | 414.8 |
| 95° | 0.0 | 97.9 | 265.0 | 362.9 | 380.2 |
| 97.5° | 0.0 | 92.2 | 236.2 | 334.1 | 351.4 |
| 100° | 0.0 | 80.7 | 213.1 | 305.3 | 328.4 |
| 102.5° | 0.0 | 74.9 | 195.9 | 276.5 | 299.6 |
| 105° | 0.0 | 69.1 | 178.6 | 253.5 | 276.5 |
| 107.5° | 0.0 | 63.4 | 167.1 | 236.2 | 253.5 |
| 110° | 0.0 | 63.4 | 149.8 | 218.9 | 236.2 |
| 112.5° | 5.8 | 57.6 | 138.3 | 195.9 | 213.1 |
| 115° | 5.8 | 57.6 | 126.7 | 184.3 | 195.9 |
| 117.5° | 5.8 | 57.6 | 121.0 | 167.1 | 178.6 |
| 120° | 5.8 | 51.8 | 115.2 | 155.5 | 167.1 |
| 122.5° | 5.8 | 51.8 | 109.5 | 144.0 | 149.8 |
| 125° | 5.8 | 46.1 | 103.7 | 132.5 | 144.0 |
| 127.5° | 5.8 | 46.1 | 97.9 | 126.7 | 132.5 |
| 130° | 5.8 | 46.1 | 92.2 | 115.2 | 126.7 |
| 132.5° | 5.8 | 40.3 | 86.4 | 109.5 | 115.2 |
| 135° | 5.8 | 40.3 | 80.7 | 103.7 | 109.5 |
| 137.5° | 5.8 | 34.6 | 74.9 | 97.9 | 103.7 |
| 140° | 5.8 | 34.6 | 69.1 | 92.2 | 97.9 |
| 142.5° | 5.8 | 28.8 | 63.4 | 86.4 | 92.2 |
| 145° | 5.8 | 28.8 | 57.6 | 80.7 | 86.4 |
| 147.5° | 5.8 | 28.8 | 51.8 | 74.9 | 80.7 |
| 150° | 5.8 | 23.0 | 46.1 | 69.1 | 74.9 |
| 152.5° | 5.8 | 23.0 | 40.3 | 63.4 | 69.1 |
| 155° | 5.8 | 23.0 | 40.3 | 57.6 | 63.4 |
| 157.5° | 5.8 | 17.3 | 34.6 | 46.1 | 57.6 |
| 160° | 5.8 | 17.3 | 28.8 | 40.3 | 51.8 |
| 162.5° | 5.8 | 17.3 | 28.8 | 34.6 | 40.3 |
| 165° | 5.8 | 11.5 | 23.0 | 28.8 | 34.6 |
| 167.5° | 5.8 | 11.5 | 17.3 | 23.0 | 28.8 |
| 170° | 5.8 | 11.5 | 17.3 | 17.3 | 23.0 |
| 172.5° | 5.8 | 11.5 | 11.5 | 11.5 | 11.5 |
| 175° | 11.5 | 11.5 | 11.5 | 11.5 | 5.8 |
| 177.5° | 11.5 | 11.5 | 11.5 | 5.8 | 5.8 |



TEST NUMBER: P567273

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

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |

(END OF REPORT)