

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: P566721

Luminaire Tested: **4SNX-67SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566721
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: 4SNX-67SL-LC-UNV-L850-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

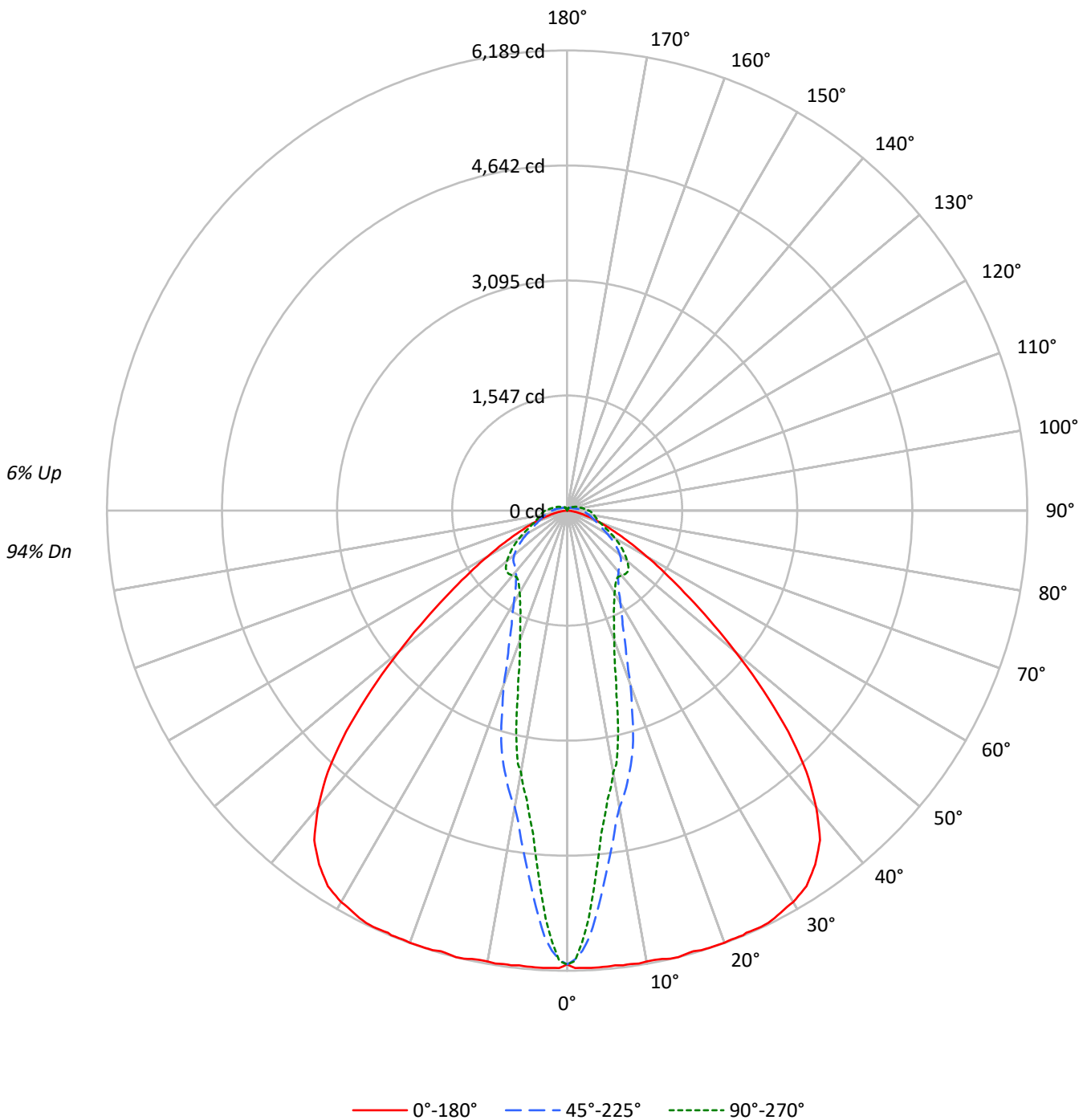
Lumens per Lamp: N/A
Luminaire Lumens: 7524.0 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 47.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-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° | 65701 | 65701 | 65701 |
| 5° | 66294 | 53963 | 48302 |
| 10° | 66814 | 40738 | 34959 |
| 15° | 68032 | 33300 | 24207 |
| 20° | 69787 | 24095 | 17097 |
| 25° | 71965 | 17263 | 13450 |
| 30° | 73802 | 13792 | 11454 |
| 35° | 74240 | 11666 | 10259 |
| 40° | 70776 | 10605 | 10284 |
| 45° | 61419 | 10246 | 10566 |
| 50° | 47120 | 9745 | 9859 |
| 55° | 34148 | 8521 | 8748 |
| 60° | 24775 | 7111 | 7396 |
| 65° | 18031 | 6013 | 6063 |
| 70° | 13284 | 5311 | 5228 |
| 75° | 9437 | 4918 | 4873 |
| 80° | 6187 | 4605 | 4800 |
| 85° | 2903 | 4391 | 4807 |



TEST NUMBER: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-CD

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 480.0 | 6.4 |
| 10°-20° | 1042.4 | 13.9 |
| 20°-30° | 1193.2 | 15.9 |
| 30°-40° | 1195.3 | 15.9 |
| 40°-50° | 1131.5 | 15.0 |
| 50°-60° | 867.8 | 11.5 |
| 60°-70° | 559.3 | 7.4 |
| 70°-80° | 356.7 | 4.7 |
| 80°-90° | 236.9 | 3.1 |
| 90°-100° | 159.2 | 2.1 |
| 100°-110° | 104.9 | 1.4 |
| 110°-120° | 73.0 | 1.0 |
| 120°-130° | 50.9 | 0.7 |
| 130°-140° | 35.3 | 0.5 |
| 140°-150° | 21.6 | 0.3 |
| 150°-160° | 11.0 | 0.1 |
| 160°-170° | 4.2 | 0.1 |
| 170°-180° | 0.8 | 0.0 |
| 0°-30° | 2715.6 | 36.1 |
| 0°-40° | 3910.9 | 52.0 |
| 0°-60° | 5910.1 | 78.6 |
| 0°-90° | 7063.0 | 93.9 |
| 90°-120° | 337.1 | 4.5 |
| 90°-150° | 445.0 | 5.9 |
| 90°-180° | 461.0 | 6.1 |
| 0°-180° | 7524.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 6104 | 6104 | 6104 | 6104 | 6104 | |
| 5° | 6158 | 5818 | 5213 | 4862 | 4731 | 588 |
| 15° | 6173 | 4446 | 3389 | 2784 | 2560 | 1751 |
| 25° | 6177 | 3146 | 1793 | 1558 | 1484 | 2848 |
| 35° | 5815 | 1751 | 1199 | 1161 | 1145 | 3608 |
| 45° | 4203 | 1107 | 1010 | 1118 | 1157 | 3195 |
| 55° | 1928 | 790 | 779 | 875 | 910 | 1773 |
| 65° | 771 | 497 | 490 | 559 | 578 | 793 |
| 75° | 262 | 270 | 339 | 389 | 409 | 288 |
| 85° | 35 | 123 | 239 | 312 | 336 | 48 |
| 90° | 0 | 85 | 200 | 278 | 289 | 2 |
| 95° | 0 | 62 | 166 | 228 | 239 | 0 |
| 105° | 0 | 46 | 108 | 154 | 166 | 3 |
| 115° | 4 | 39 | 81 | 112 | 120 | 4 |
| 125° | 4 | 35 | 69 | 81 | 85 | 3 |
| 135° | 4 | 27 | 54 | 66 | 69 | 3 |
| 145° | 4 | 19 | 39 | 50 | 54 | 2 |
| 155° | 4 | 12 | 23 | 35 | 39 | 2 |
| 165° | 8 | 8 | 15 | 19 | 23 | 2 |
| 175° | 8 | 8 | 8 | 8 | 4 | 1 |
| 180° | 8 | 8 | 8 | 8 | 8 | |



TEST NUMBER: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 6103.8 | 6103.8 | 6103.8 | 6103.8 | 6103.8 |
| 1° | 6154.0 | 6119.3 | 6038.3 | 6061.4 | 6057.6 |
| 2° | 6154.0 | 6080.7 | 5922.6 | 5876.3 | 5806.9 |
| 3° | 6157.8 | 6015.1 | 5745.2 | 5594.9 | 5498.5 |
| 4° | 6157.8 | 5918.8 | 5483.0 | 5232.4 | 5109.0 |
| 5° | 6157.8 | 5818.5 | 5213.1 | 4862.2 | 4731.1 |
| 6° | 6150.1 | 5699.0 | 4939.4 | 4569.2 | 4372.6 |
| 7° | 6161.7 | 5567.9 | 4692.6 | 4295.4 | 4141.2 |
| 8° | 6157.8 | 5413.6 | 4465.1 | 4087.2 | 3917.6 |
| 9° | 6169.4 | 5263.3 | 4218.3 | 3890.6 | 3763.3 |
| 10° | 6157.8 | 5124.4 | 4056.4 | 3705.5 | 3574.4 |
| 11° | 6157.8 | 4989.5 | 3940.7 | 3586.0 | 3474.1 |
| 12° | 6165.5 | 4835.3 | 3813.5 | 3416.3 | 3262.1 |
| 13° | 6184.8 | 4677.2 | 3666.9 | 3231.2 | 3050.0 |
| 14° | 6188.7 | 4557.6 | 3532.0 | 2996.0 | 2807.1 |
| 15° | 6173.2 | 4445.8 | 3389.3 | 2783.9 | 2560.3 |
| 16° | 6165.5 | 4330.1 | 3219.6 | 2583.4 | 2382.9 |
| 17° | 6181.0 | 4195.2 | 3026.9 | 2379.1 | 2194.0 |
| 18° | 6184.8 | 4071.8 | 2822.5 | 2224.8 | 2062.9 |
| 19° | 6184.8 | 3975.4 | 2656.7 | 2082.2 | 1943.4 |
| 20° | 6184.8 | 3882.9 | 2487.0 | 1974.2 | 1854.7 |
| 21° | 6177.1 | 3767.2 | 2294.2 | 1862.4 | 1762.1 |
| 22.5° | 6181.0 | 3551.3 | 2074.5 | 1731.3 | 1650.3 |
| 23° | 6169.4 | 3497.3 | 2020.5 | 1696.6 | 1611.8 |
| 24° | 6173.2 | 3343.0 | 1904.8 | 1627.2 | 1546.2 |
| 25° | 6177.1 | 3146.4 | 1793.0 | 1557.8 | 1484.5 |
| 26° | 6169.4 | 2988.3 | 1700.4 | 1492.2 | 1442.1 |
| 27° | 6150.1 | 2861.1 | 1634.9 | 1438.2 | 1392.0 |
| 28° | 6123.1 | 2691.4 | 1565.5 | 1392.0 | 1349.6 |
| 29° | 6096.1 | 2498.6 | 1496.1 | 1341.8 | 1311.0 |
| 30° | 6080.7 | 2344.4 | 1430.5 | 1303.3 | 1276.3 |
| 32.5° | 5988.2 | 2039.8 | 1295.6 | 1226.2 | 1203.0 |
| 35° | 5814.6 | 1750.6 | 1199.2 | 1160.6 | 1145.2 |
| 37.5° | 5587.1 | 1526.9 | 1125.9 | 1118.2 | 1122.1 |
| 40° | 5213.1 | 1349.6 | 1071.9 | 1106.6 | 1141.3 |
| 42.5° | 4765.8 | 1210.7 | 1033.4 | 1118.2 | 1156.8 |
| 45° | 4202.9 | 1106.6 | 1010.2 | 1118.2 | 1156.8 |
| 47.5° | 3578.2 | 1021.8 | 983.2 | 1079.6 | 1118.2 |
| 50° | 2953.6 | 944.7 | 929.3 | 1021.8 | 1056.5 |
| 52.5° | 2402.2 | 871.4 | 859.9 | 948.5 | 983.2 |
| 55° | 1927.9 | 790.5 | 778.9 | 875.3 | 910.0 |
| 57.5° | 1546.2 | 713.3 | 701.8 | 790.5 | 825.2 |
| 60° | 1233.9 | 636.2 | 616.9 | 705.6 | 740.3 |
| 62.5° | 983.2 | 563.0 | 551.4 | 628.5 | 659.4 |
| 65° | 771.2 | 497.4 | 489.7 | 559.1 | 578.4 |



TEST NUMBER: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 609.2 | 435.7 | 439.6 | 497.4 | 520.5 |
| 70° | 470.4 | 377.9 | 401.0 | 455.0 | 470.4 |
| 72.5° | 354.7 | 320.0 | 370.2 | 416.4 | 435.7 |
| 75° | 262.2 | 269.9 | 339.3 | 389.4 | 408.7 |
| 77.5° | 181.2 | 223.6 | 312.3 | 366.3 | 385.6 |
| 80° | 123.4 | 181.2 | 285.3 | 347.0 | 370.2 |
| 82.5° | 73.3 | 150.4 | 262.2 | 327.7 | 354.7 |
| 85° | 34.7 | 123.4 | 239.1 | 312.3 | 335.5 |
| 87.5° | 11.6 | 100.3 | 215.9 | 296.9 | 316.2 |
| 90° | 0.0 | 84.8 | 200.5 | 277.6 | 289.2 |
| 92.5° | 0.0 | 73.3 | 181.2 | 254.5 | 262.2 |
| 95° | 0.0 | 61.7 | 165.8 | 227.5 | 239.1 |
| 97.5° | 0.0 | 57.8 | 154.2 | 204.4 | 219.8 |
| 100° | 0.0 | 54.0 | 138.8 | 185.1 | 200.5 |
| 102.5° | 0.0 | 46.3 | 123.4 | 165.8 | 181.2 |
| 105° | 0.0 | 46.3 | 108.0 | 154.2 | 165.8 |
| 107.5° | 3.9 | 42.4 | 100.3 | 138.8 | 154.2 |
| 110° | 3.9 | 42.4 | 88.7 | 131.1 | 142.7 |
| 112.5° | 3.9 | 42.4 | 84.8 | 119.5 | 135.0 |
| 115° | 3.9 | 38.6 | 81.0 | 111.8 | 119.5 |
| 117.5° | 3.9 | 38.6 | 77.1 | 100.3 | 108.0 |
| 120° | 3.9 | 34.7 | 73.3 | 92.5 | 96.4 |
| 122.5° | 3.9 | 34.7 | 69.4 | 84.8 | 88.7 |
| 125° | 3.9 | 34.7 | 69.4 | 81.0 | 84.8 |
| 127.5° | 3.9 | 30.8 | 65.5 | 77.1 | 77.1 |
| 130° | 3.9 | 30.8 | 61.7 | 73.3 | 73.3 |
| 132.5° | 3.9 | 27.0 | 57.8 | 69.4 | 73.3 |
| 135° | 3.9 | 27.0 | 54.0 | 65.5 | 69.4 |
| 137.5° | 3.9 | 23.1 | 50.1 | 61.7 | 65.5 |
| 140° | 3.9 | 23.1 | 46.3 | 57.8 | 61.7 |
| 142.5° | 3.9 | 19.3 | 42.4 | 54.0 | 57.8 |
| 145° | 3.9 | 19.3 | 38.6 | 50.1 | 54.0 |
| 147.5° | 3.9 | 19.3 | 34.7 | 46.3 | 50.1 |
| 150° | 3.9 | 15.4 | 30.8 | 42.4 | 46.3 |
| 152.5° | 3.9 | 15.4 | 27.0 | 38.6 | 42.4 |
| 155° | 3.9 | 11.6 | 23.1 | 34.7 | 38.6 |
| 157.5° | 3.9 | 11.6 | 23.1 | 30.8 | 34.7 |
| 160° | 7.7 | 11.6 | 19.3 | 27.0 | 30.8 |
| 162.5° | 3.9 | 7.7 | 19.3 | 23.1 | 27.0 |
| 165° | 7.7 | 7.7 | 15.4 | 19.3 | 23.1 |
| 167.5° | 7.7 | 7.7 | 11.6 | 15.4 | 19.3 |
| 170° | 7.7 | 7.7 | 11.6 | 11.6 | 15.4 |
| 172.5° | 7.7 | 7.7 | 7.7 | 11.6 | 7.7 |
| 175° | 7.7 | 7.7 | 7.7 | 7.7 | 3.9 |
| 177.5° | 7.7 | 7.7 | 7.7 | 7.7 | 3.9 |



TEST NUMBER: P566721

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |

(END OF REPORT)