

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: P565871

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565871
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: 2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

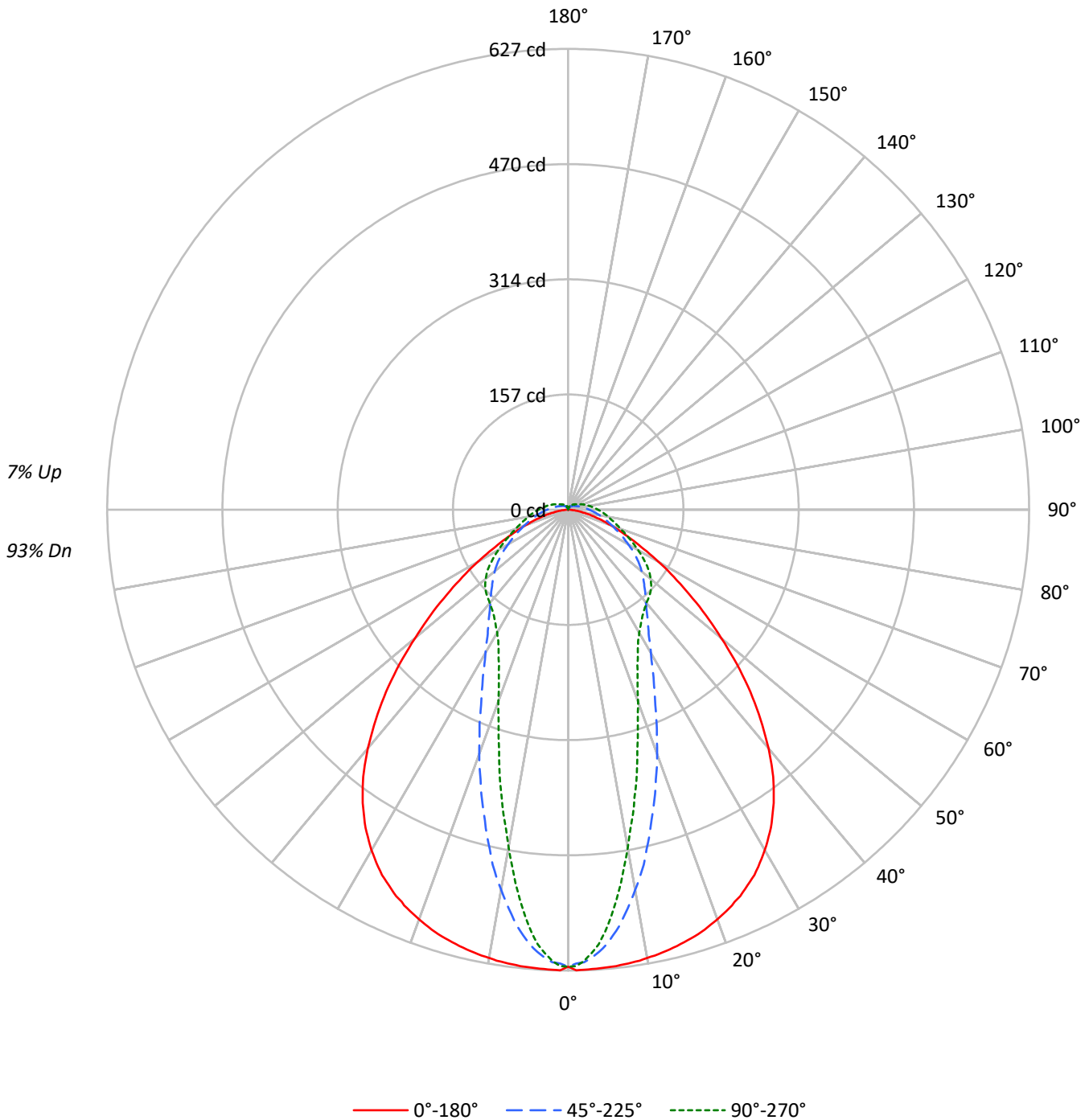
Lumens per Lamp: N/A
Luminaire Lumens: 991.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.93
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

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CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P565871

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW

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° | 13384 | 13384 | 13384 |
| 5° | 13404 | 12271 | 11772 |
| 10° | 13337 | 10497 | 9133 |
| 15° | 13281 | 8543 | 6845 |
| 20° | 13188 | 6792 | 5123 |
| 25° | 13015 | 5311 | 4066 |
| 30° | 12686 | 4290 | 3468 |
| 35° | 12098 | 3624 | 3155 |
| 40° | 11131 | 3191 | 2986 |
| 45° | 9839 | 2915 | 2893 |
| 50° | 8274 | 2676 | 2734 |
| 55° | 6742 | 2418 | 2496 |
| 60° | 5335 | 2121 | 2190 |
| 65° | 4084 | 1857 | 1906 |
| 70° | 3114 | 1637 | 1685 |
| 75° | 2341 | 1466 | 1536 |
| 80° | 1574 | 1333 | 1429 |
| 85° | 784 | 1235 | 1370 |



TEST NUMBER: P565871

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.1 | 5.6 |
| 10°-20° | 129.0 | 13.0 |
| 20°-30° | 153.2 | 15.5 |
| 30°-40° | 154.1 | 15.6 |
| 40°-50° | 143.3 | 14.5 |
| 50°-60° | 118.0 | 11.9 |
| 60°-70° | 83.1 | 8.4 |
| 70°-80° | 54.3 | 5.5 |
| 80°-90° | 34.7 | 3.5 |
| 90°-100° | 22.7 | 2.3 |
| 100°-110° | 15.4 | 1.6 |
| 110°-120° | 10.6 | 1.1 |
| 120°-130° | 7.3 | 0.7 |
| 130°-140° | 4.9 | 0.5 |
| 140°-150° | 3.0 | 0.3 |
| 150°-160° | 1.6 | 0.2 |
| 160°-170° | 0.6 | 0.1 |
| 170°-180° | 0.1 | 0.0 |
| 0°-30° | 337.3 | 34.0 |
| 0°-40° | 491.4 | 49.6 |
| 0°-60° | 752.6 | 75.9 |
| 0°-90° | 924.7 | 93.3 |
| 90°-120° | 48.8 | 4.9 |
| 90°-150° | 64.0 | 6.5 |
| 90°-180° | 66.0 | 6.7 |
| 0°-180° | 991.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 622 | 622 | 622 | 622 | 622 | |
| 5° | 625 | 616 | 594 | 583 | 576 | 59 |
| 15° | 609 | 544 | 438 | 383 | 362 | 172 |
| 25° | 569 | 421 | 279 | 234 | 224 | 262 |
| 35° | 487 | 285 | 189 | 177 | 176 | 303 |
| 45° | 350 | 188 | 146 | 154 | 158 | 269 |
| 55° | 201 | 123 | 113 | 126 | 130 | 182 |
| 65° | 94 | 74 | 78 | 88 | 91 | 96 |
| 75° | 37 | 38 | 52 | 62 | 64 | 40 |
| 85° | 6 | 18 | 35 | 46 | 48 | 8 |
| 90° | 0 | 12 | 29 | 39 | 40 | 0 |
| 95° | 0 | 9 | 24 | 33 | 34 | 0 |
| 105° | 0 | 6 | 16 | 23 | 25 | 0 |
| 115° | 0 | 5 | 11 | 17 | 18 | 0 |
| 125° | 0 | 4 | 9 | 12 | 13 | 0 |
| 135° | 0 | 4 | 7 | 9 | 10 | 0 |
| 145° | 0 | 3 | 5 | 7 | 8 | 0 |
| 155° | 0 | 2 | 4 | 5 | 6 | 0 |
| 165° | 0 | 1 | 2 | 3 | 3 | 0 |
| 175° | 1 | 1 | 1 | 1 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P565871

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 |
| 1° | 626.9 | 624.3 | 617.5 | 622.2 | 621.2 |
| 2° | 626.4 | 623.8 | 616.0 | 618.0 | 614.4 |
| 3° | 625.8 | 622.2 | 610.3 | 609.7 | 604.5 |
| 4° | 625.3 | 619.6 | 603.0 | 596.8 | 592.6 |
| 5° | 624.8 | 616.5 | 594.2 | 582.7 | 576.5 |
| 6° | 624.3 | 612.9 | 582.7 | 565.6 | 556.8 |
| 7° | 623.2 | 607.1 | 570.8 | 547.4 | 536.0 |
| 8° | 622.2 | 601.9 | 555.7 | 527.7 | 513.7 |
| 9° | 621.2 | 595.2 | 540.7 | 506.4 | 489.8 |
| 10° | 619.1 | 588.4 | 525.1 | 484.6 | 466.9 |
| 11° | 618.0 | 580.7 | 510.0 | 463.8 | 443.0 |
| 12° | 616.0 | 572.3 | 493.9 | 442.0 | 423.8 |
| 13° | 613.9 | 563.5 | 474.2 | 423.3 | 401.5 |
| 14° | 611.8 | 554.2 | 457.0 | 402.5 | 382.3 |
| 15° | 609.2 | 544.3 | 437.8 | 382.8 | 362.0 |
| 16° | 606.6 | 532.9 | 420.7 | 362.5 | 340.7 |
| 17° | 604.0 | 522.0 | 404.6 | 343.8 | 324.1 |
| 18° | 600.9 | 511.1 | 385.9 | 325.6 | 306.4 |
| 19° | 596.8 | 498.6 | 370.8 | 309.0 | 291.4 |
| 20° | 593.1 | 487.2 | 353.7 | 293.4 | 277.9 |
| 21° | 589.0 | 473.1 | 336.6 | 278.9 | 263.3 |
| 22.5° | 582.7 | 453.4 | 314.7 | 260.7 | 246.2 |
| 23° | 579.6 | 447.7 | 305.9 | 254.0 | 241.5 |
| 24° | 575.5 | 432.6 | 291.4 | 243.6 | 231.1 |
| 25° | 569.2 | 420.7 | 278.9 | 234.2 | 224.4 |
| 26° | 563.5 | 406.1 | 266.4 | 225.9 | 216.1 |
| 27° | 557.8 | 392.1 | 255.5 | 217.1 | 208.8 |
| 28° | 550.5 | 377.6 | 243.6 | 209.8 | 202.6 |
| 29° | 542.7 | 364.1 | 233.7 | 203.6 | 197.9 |
| 30° | 534.9 | 349.0 | 225.4 | 197.9 | 193.2 |
| 32.5° | 513.1 | 315.8 | 204.1 | 187.0 | 183.9 |
| 35° | 487.2 | 284.6 | 189.1 | 177.1 | 176.1 |
| 37.5° | 458.1 | 256.0 | 175.5 | 169.3 | 170.4 |
| 40° | 423.8 | 230.1 | 164.1 | 163.6 | 165.7 |
| 42.5° | 387.4 | 207.7 | 155.3 | 158.9 | 162.0 |
| 45° | 350.1 | 187.5 | 146.5 | 154.3 | 158.4 |
| 47.5° | 311.1 | 169.8 | 138.7 | 148.5 | 153.2 |
| 50° | 271.6 | 152.7 | 130.4 | 141.8 | 146.5 |
| 52.5° | 236.3 | 137.6 | 122.1 | 134.0 | 139.2 |
| 55° | 201.0 | 123.1 | 113.2 | 125.7 | 129.8 |
| 57.5° | 170.4 | 109.6 | 103.9 | 116.3 | 119.5 |
| 60° | 141.8 | 96.6 | 94.5 | 106.0 | 109.6 |
| 62.5° | 115.8 | 85.2 | 85.7 | 96.6 | 100.2 |
| 65° | 94.5 | 74.3 | 77.9 | 87.8 | 90.9 |



TEST NUMBER: P565871

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|------|-------|------|-------|------|
| 67.5° | 76.9 | 63.9 | 70.1 | 80.5 | 83.1 |
| 70° | 60.8 | 54.5 | 63.9 | 73.2 | 75.8 |
| 72.5° | 48.3 | 46.2 | 57.6 | 67.5 | 69.6 |
| 75° | 36.9 | 38.4 | 52.5 | 61.8 | 64.4 |
| 77.5° | 26.5 | 32.2 | 47.3 | 57.1 | 59.2 |
| 80° | 18.7 | 26.5 | 43.1 | 53.0 | 55.1 |
| 82.5° | 11.9 | 21.8 | 39.0 | 49.3 | 51.4 |
| 85° | 6.2 | 17.7 | 35.3 | 45.7 | 47.8 |
| 87.5° | 2.6 | 14.5 | 31.7 | 42.1 | 44.1 |
| 90° | 0.0 | 11.9 | 28.6 | 39.0 | 40.5 |
| 92.5° | 0.0 | 10.4 | 26.0 | 35.8 | 37.4 |
| 95° | 0.0 | 8.8 | 23.9 | 32.7 | 34.3 |
| 97.5° | 0.0 | 8.3 | 21.3 | 30.1 | 31.7 |
| 100° | 0.0 | 7.3 | 19.2 | 27.5 | 29.6 |
| 102.5° | 0.0 | 6.8 | 17.7 | 24.9 | 27.0 |
| 105° | 0.0 | 6.2 | 16.1 | 22.9 | 24.9 |
| 107.5° | 0.0 | 5.7 | 15.1 | 21.3 | 22.9 |
| 110° | 0.0 | 5.7 | 13.5 | 19.7 | 21.3 |
| 112.5° | 0.5 | 5.2 | 12.5 | 17.7 | 19.2 |
| 115° | 0.5 | 5.2 | 11.4 | 16.6 | 17.7 |
| 117.5° | 0.5 | 5.2 | 10.9 | 15.1 | 16.1 |
| 120° | 0.5 | 4.7 | 10.4 | 14.0 | 15.1 |
| 122.5° | 0.5 | 4.7 | 9.9 | 13.0 | 13.5 |
| 125° | 0.5 | 4.2 | 9.3 | 11.9 | 13.0 |
| 127.5° | 0.5 | 4.2 | 8.8 | 11.4 | 11.9 |
| 130° | 0.5 | 4.2 | 8.3 | 10.4 | 11.4 |
| 132.5° | 0.5 | 3.6 | 7.8 | 9.9 | 10.4 |
| 135° | 0.5 | 3.6 | 7.3 | 9.3 | 9.9 |
| 137.5° | 0.5 | 3.1 | 6.8 | 8.8 | 9.3 |
| 140° | 0.5 | 3.1 | 6.2 | 8.3 | 8.8 |
| 142.5° | 0.5 | 2.6 | 5.7 | 7.8 | 8.3 |
| 145° | 0.5 | 2.6 | 5.2 | 7.3 | 7.8 |
| 147.5° | 0.5 | 2.6 | 4.7 | 6.8 | 7.3 |
| 150° | 0.5 | 2.1 | 4.2 | 6.2 | 6.8 |
| 152.5° | 0.5 | 2.1 | 3.6 | 5.7 | 6.2 |
| 155° | 0.5 | 2.1 | 3.6 | 5.2 | 5.7 |
| 157.5° | 0.5 | 1.6 | 3.1 | 4.2 | 5.2 |
| 160° | 0.5 | 1.6 | 2.6 | 3.6 | 4.7 |
| 162.5° | 0.5 | 1.6 | 2.6 | 3.1 | 3.6 |
| 165° | 0.5 | 1.0 | 2.1 | 2.6 | 3.1 |
| 167.5° | 0.5 | 1.0 | 1.6 | 2.1 | 2.6 |
| 170° | 0.5 | 1.0 | 1.6 | 1.6 | 2.1 |
| 172.5° | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| 175° | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 |
| 177.5° | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 |



TEST NUMBER: P565871

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CANDELA DISTRIBUTION (continued):

| | | | | | |
|------|-----|-------|-----|-------|-----|
| | 0° | 22.5° | 45° | 67.5° | 90° |
| 180° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

(END OF REPORT)