

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: P565843

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC93-CD-3500K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-SL3-FDL-UNV-CC93-CD-3500K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, HI LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

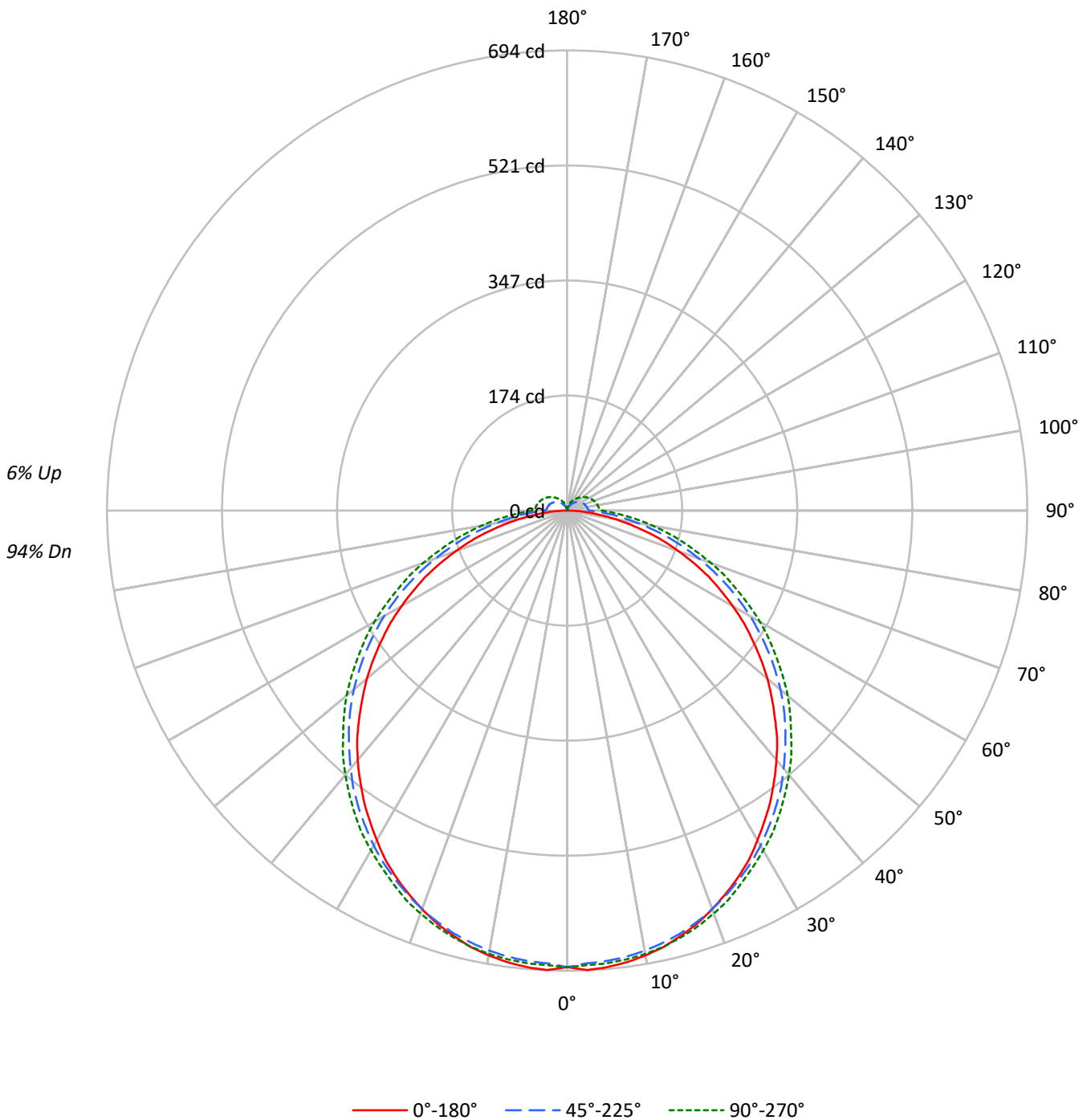
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2188.0 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: Direct  
  
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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### Luminous Intensity Polar Plot





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**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 | 97 | 97 | 97 | 94 |
| 1   | 107 | 102 | 97  | 93  | 103 | 99  | 95  | 91  | 93  | 90  | 87  | 88  | 86  | 83  | 84 | 82 | 80 | 77 |
| 2   | 97  | 88  | 81  | 75  | 93  | 86  | 79  | 74  | 81  | 76  | 71  | 77  | 73  | 69  | 73 | 69 | 66 | 64 |
| 3   | 88  | 77  | 69  | 62  | 85  | 75  | 67  | 61  | 71  | 65  | 59  | 68  | 62  | 57  | 64 | 60 | 56 | 53 |
| 4   | 80  | 68  | 59  | 52  | 78  | 66  | 58  | 52  | 63  | 56  | 50  | 60  | 54  | 49  | 57 | 52 | 48 | 45 |
| 5   | 74  | 61  | 52  | 45  | 71  | 59  | 51  | 44  | 56  | 49  | 43  | 54  | 47  | 42  | 51 | 46 | 41 | 39 |
| 6   | 68  | 55  | 46  | 39  | 66  | 53  | 45  | 39  | 51  | 43  | 38  | 49  | 42  | 37  | 47 | 41 | 36 | 34 |
| 7   | 63  | 49  | 41  | 34  | 61  | 48  | 40  | 34  | 46  | 39  | 33  | 44  | 38  | 33  | 43 | 37 | 32 | 30 |
| 8   | 59  | 45  | 36  | 31  | 57  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 34  | 29  | 39 | 33 | 29 | 27 |
| 9   | 55  | 41  | 33  | 27  | 53  | 40  | 33  | 27  | 39  | 32  | 27  | 37  | 31  | 26  | 36 | 30 | 26 | 24 |
| 10  | 51  | 38  | 30  | 25  | 50  | 37  | 30  | 25  | 36  | 29  | 24  | 35  | 28  | 24  | 33 | 28 | 24 | 22 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 14822 | 14822 | 14822 |
| 5°  | 14910 | 14567 | 14599 |
| 10° | 14836 | 14401 | 14415 |
| 15° | 14710 | 14209 | 14209 |
| 20° | 14545 | 13981 | 13968 |
| 25° | 14357 | 13729 | 13680 |
| 30° | 14104 | 13473 | 13417 |
| 35° | 13850 | 13176 | 13139 |
| 40° | 13570 | 12847 | 12830 |
| 45° | 13221 | 12518 | 12466 |
| 50° | 12879 | 12147 | 12135 |
| 55° | 12454 | 11689 | 11675 |
| 60° | 11981 | 11166 | 11223 |
| 65° | 11469 | 10542 | 10601 |
| 70° | 10609 | 9763  | 9951  |
| 75° | 9570  | 8842  | 9179  |
| 80° | 8038  | 7621  | 8323  |
| 85° | 6025  | 6540  | 7312  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.3   | 3.0       |
| 10°-20°   | 187.4  | 8.6       |
| 20°-30°   | 284.0  | 13.0      |
| 30°-40°   | 342.8  | 15.7      |
| 40°-50°   | 358.0  | 16.4      |
| 50°-60°   | 328.8  | 15.0      |
| 60°-70°   | 260.0  | 11.9      |
| 70°-80°   | 164.6  | 7.5       |
| 80°-90°   | 70.7   | 3.2       |
| 90°-100°  | 31.1   | 1.4       |
| 100°-110° | 27.9   | 1.3       |
| 110°-120° | 23.5   | 1.1       |
| 120°-130° | 18.3   | 0.8       |
| 130°-140° | 12.7   | 0.6       |
| 140°-150° | 7.6    | 0.3       |
| 150°-160° | 3.7    | 0.2       |
| 160°-170° | 1.3    | 0.1       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 536.6  | 24.5      |
| 0°-40°    | 879.4  | 40.2      |
| 0°-60°    | 1566.2 | 71.6      |
| 0°-90°    | 2061.6 | 94.2      |
| 90°-120°  | 82.5   | 3.8       |
| 90°-150°  | 121.2  | 5.5       |
| 90°-180°  | 126.0  | 5.8       |
| 0°-180°   | 2188.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 688 | 688   | 688 | 688   | 688 |      |
| 5°   | 691 | 689   | 682 | 688   | 685 | 66   |
| 15°  | 664 | 664   | 660 | 667   | 666 | 187  |
| 25°  | 610 | 613   | 614 | 622   | 621 | 281  |
| 35°  | 535 | 541   | 548 | 556   | 558 | 334  |
| 45°  | 443 | 454   | 466 | 475   | 478 | 342  |
| 55°  | 342 | 356   | 370 | 382   | 385 | 306  |
| 65°  | 235 | 248   | 266 | 278   | 282 | 232  |
| 75°  | 124 | 139   | 159 | 172   | 179 | 131  |
| 85°  | 30  | 46    | 67  | 81    | 86  | 33   |
| 90°  | 2   | 17    | 34  | 48    | 53  | 3    |
| 95°  | 0   | 14    | 31  | 43    | 48  | 0    |
| 105° | 0   | 13    | 29  | 41    | 45  | 0    |
| 115° | 0   | 11    | 26  | 37    | 41  | 0    |
| 125° | 1   | 10    | 22  | 32    | 35  | 1    |
| 135° | 1   | 8     | 18  | 25    | 28  | 1    |
| 145° | 1   | 6     | 12  | 19    | 21  | 1    |
| 155° | 1   | 4     | 8   | 12    | 14  | 0    |
| 165° | 1   | 3     | 4   | 6     | 8   | 0    |
| 175° | 1   | 2     | 2   | 2     | 1   | 0    |
| 180° | 1   | 1     | 1   | 1     | 1   |      |



TEST NUMBER: P565843

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 688.5 | 688.5 | 688.5 | 688.5 | 688.5 |
| 2.5°   | 693.6 | 691.2 | 683.5 | 688.9 | 686.2 |
| 5°     | 691.2 | 689.3 | 681.9 | 687.7 | 685.4 |
| 7.5°   | 687.0 | 685.4 | 678.8 | 685.0 | 682.7 |
| 10°    | 681.2 | 680.0 | 674.2 | 680.4 | 678.8 |
| 12.5°  | 673.8 | 673.4 | 667.6 | 674.6 | 673.4 |
| 15°    | 663.7 | 663.7 | 660.2 | 667.2 | 666.0 |
| 17.5°  | 652.9 | 653.3 | 650.6 | 657.9 | 657.1 |
| 20°    | 639.7 | 641.6 | 639.7 | 647.5 | 646.7 |
| 22.5°  | 625.4 | 628.1 | 627.3 | 635.1 | 635.4 |
| 25°    | 610.3 | 613.0 | 613.7 | 621.9 | 620.7 |
| 27.5°  | 593.6 | 597.9 | 599.4 | 606.8 | 606.4 |
| 30°    | 574.2 | 580.0 | 583.5 | 589.7 | 591.7 |
| 32.5°  | 554.5 | 561.4 | 565.7 | 574.2 | 576.5 |
| 35°    | 534.7 | 540.9 | 547.9 | 556.4 | 558.3 |
| 37.5°  | 513.0 | 520.0 | 529.3 | 537.4 | 539.7 |
| 40°    | 491.3 | 499.1 | 508.0 | 516.9 | 520.4 |
| 42.5°  | 468.8 | 477.0 | 486.7 | 497.1 | 500.6 |
| 45°    | 443.3 | 454.1 | 465.7 | 474.6 | 477.7 |
| 47.5°  | 418.8 | 430.9 | 443.3 | 452.9 | 456.4 |
| 50°    | 394.1 | 406.8 | 420.0 | 428.9 | 434.3 |
| 52.5°  | 368.1 | 382.0 | 395.2 | 406.4 | 409.9 |
| 55°    | 341.7 | 355.7 | 370.4 | 382.4 | 385.1 |
| 57.5°  | 316.2 | 329.7 | 344.5 | 355.7 | 361.1 |
| 60°    | 288.3 | 303.0 | 318.9 | 330.1 | 335.9 |
| 62.5°  | 261.2 | 275.5 | 292.5 | 304.5 | 309.2 |
| 65°    | 235.2 | 248.4 | 265.8 | 278.2 | 282.5 |
| 67.5°  | 206.5 | 221.6 | 238.3 | 252.6 | 258.1 |
| 70°    | 178.2 | 192.6 | 211.6 | 225.1 | 230.5 |
| 72.5°  | 151.9 | 165.8 | 184.8 | 198.4 | 203.4 |
| 75°    | 124.0 | 138.7 | 158.9 | 172.4 | 179.0 |
| 77.5°  | 97.3  | 113.5 | 132.9 | 147.6 | 155.0 |
| 80°    | 72.5  | 86.8  | 107.7 | 124.0 | 130.6 |
| 82.5°  | 49.2  | 64.7  | 86.4  | 101.5 | 108.9 |
| 85°    | 30.2  | 46.5  | 66.6  | 81.0  | 86.0  |
| 87.5°  | 14.3  | 29.8  | 48.4  | 62.4  | 68.6  |
| 90°    | 1.9   | 16.7  | 34.1  | 47.7  | 52.7  |
| 92.5°  | 0.4   | 14.3  | 31.4  | 44.2  | 48.8  |
| 95°    | 0.4   | 14.3  | 31.0  | 43.4  | 48.0  |
| 97.5°  | 0.4   | 13.9  | 30.6  | 43.0  | 47.3  |
| 100°   | 0.4   | 13.6  | 30.2  | 42.2  | 46.9  |
| 102.5° | 0.4   | 13.6  | 29.4  | 41.5  | 45.7  |
| 105°   | 0.4   | 13.2  | 29.1  | 40.7  | 44.9  |
| 107.5° | 0.4   | 12.8  | 28.3  | 39.9  | 44.2  |
| 110°   | 0.4   | 12.0  | 27.9  | 38.7  | 43.0  |



TEST NUMBER: P565843

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC93-CD-3500K-HI

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°  | 67.5° | 90°  |
|--------|-----|-------|------|-------|------|
| 112.5° | 0.4 | 11.6  | 27.1 | 38.0  | 41.8 |
| 115°   | 0.4 | 11.2  | 26.3 | 36.8  | 40.7 |
| 117.5° | 0.4 | 10.8  | 25.2 | 35.6  | 39.5 |
| 120°   | 0.8 | 10.8  | 24.4 | 34.5  | 38.0 |
| 122.5° | 0.8 | 10.5  | 23.2 | 32.9  | 36.4 |
| 125°   | 0.8 | 10.1  | 22.1 | 31.8  | 35.3 |
| 127.5° | 0.8 | 9.7   | 20.9 | 30.2  | 33.3 |
| 130°   | 0.8 | 8.9   | 20.1 | 28.7  | 31.8 |
| 132.5° | 0.8 | 8.5   | 19.0 | 26.7  | 29.8 |
| 135°   | 0.8 | 7.7   | 17.8 | 25.2  | 28.3 |
| 137.5° | 0.8 | 7.4   | 16.7 | 23.6  | 26.3 |
| 140°   | 0.8 | 7.0   | 15.1 | 22.1  | 24.8 |
| 142.5° | 0.8 | 6.2   | 13.9 | 20.5  | 22.9 |
| 145°   | 0.8 | 5.8   | 12.4 | 19.0  | 20.9 |
| 147.5° | 0.8 | 5.0   | 11.2 | 17.4  | 19.4 |
| 150°   | 0.8 | 4.6   | 10.1 | 15.9  | 17.8 |
| 152.5° | 0.8 | 4.3   | 8.9  | 13.9  | 15.9 |
| 155°   | 0.8 | 3.9   | 8.1  | 12.0  | 14.3 |
| 157.5° | 0.8 | 3.5   | 7.0  | 10.5  | 12.8 |
| 160°   | 1.2 | 3.1   | 6.2  | 8.9   | 10.8 |
| 162.5° | 1.2 | 2.7   | 5.0  | 7.4   | 9.7  |
| 165°   | 1.2 | 2.7   | 4.3  | 5.8   | 8.1  |
| 167.5° | 1.2 | 2.3   | 3.5  | 4.6   | 6.6  |
| 170°   | 1.2 | 1.9   | 3.1  | 3.5   | 5.0  |
| 172.5° | 1.2 | 1.5   | 2.3  | 2.3   | 2.7  |
| 175°   | 1.2 | 1.5   | 1.9  | 1.9   | 1.2  |
| 177.5° | 1.2 | 1.2   | 1.2  | 1.2   | 0.8  |
| 180°   | 1.2 | 1.2   | 1.2  | 1.2   | 1.2  |

(END OF REPORT)