

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: P565840

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565840  
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-CC83-CD-5000K-HI  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

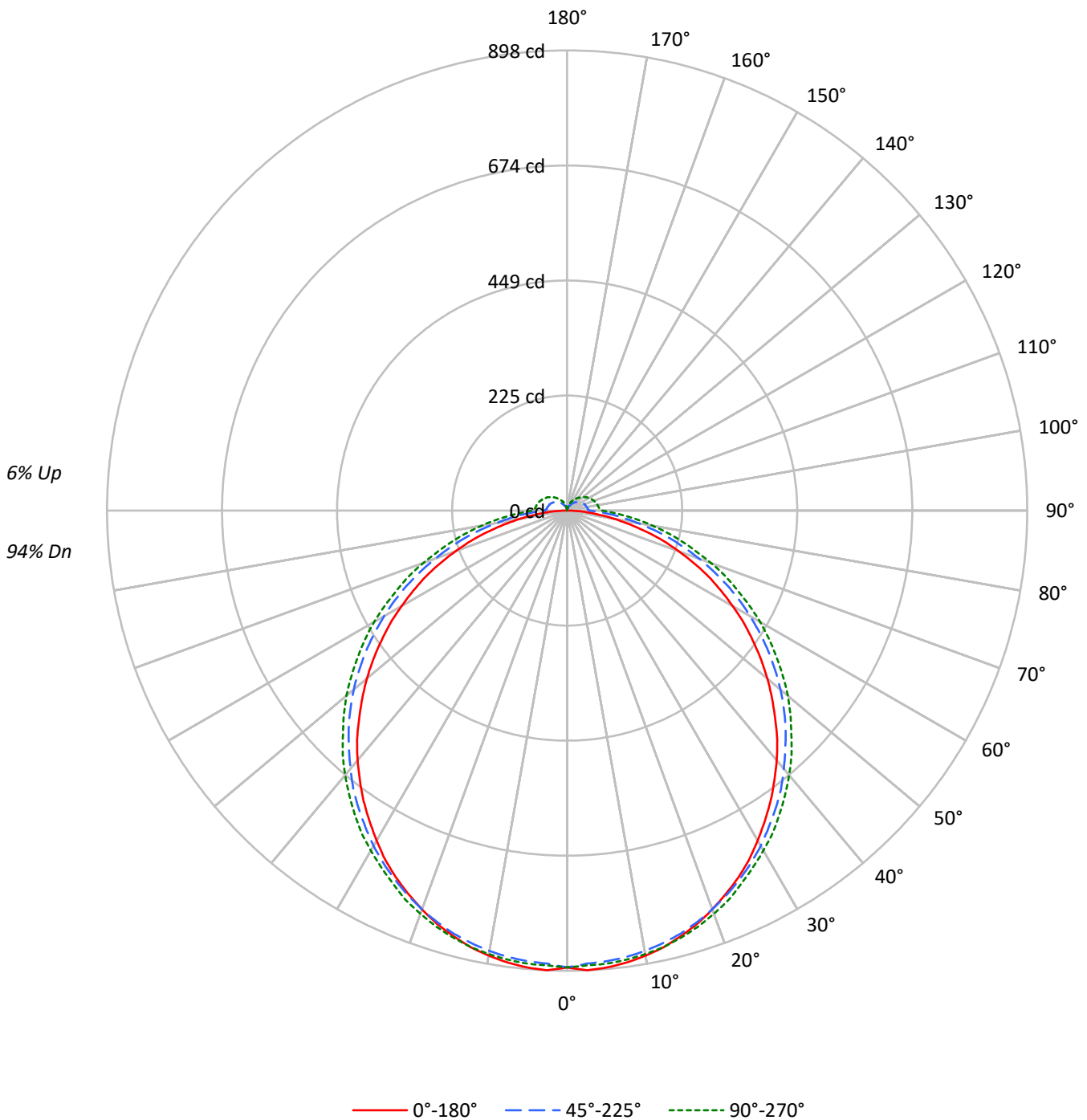
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2833.0 lumens  
Efficiency: N/A  
Efficacy: 140.2 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): 20.2  
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

TEST NUMBER: P565840

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI

### Luminous Intensity Polar Plot





TEST NUMBER: P565840

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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 | 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°  | 19192 | 19192 | 19192 |
| 5°  | 19306 | 18863 | 18903 |
| 10° | 19210 | 18646 | 18664 |
| 15° | 19047 | 18400 | 18399 |
| 20° | 18833 | 18102 | 18085 |
| 25° | 18589 | 17778 | 17714 |
| 30° | 18262 | 17445 | 17372 |
| 35° | 17932 | 17060 | 17013 |
| 40° | 17569 | 16633 | 16612 |
| 45° | 17116 | 16209 | 16143 |
| 50° | 16673 | 15728 | 15714 |
| 55° | 16128 | 15135 | 15119 |
| 60° | 15513 | 14458 | 14534 |
| 65° | 14848 | 13652 | 13723 |
| 70° | 13741 | 12637 | 12887 |
| 75° | 12387 | 11446 | 11887 |
| 80° | 10400 | 9872  | 10777 |
| 85° | 7800  | 8474  | 9472  |



TEST NUMBER: P565840

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.5   | 3.0       |
| 10°-20°   | 242.6  | 8.6       |
| 20°-30°   | 367.7  | 13.0      |
| 30°-40°   | 443.8  | 15.7      |
| 40°-50°   | 463.5  | 16.4      |
| 50°-60°   | 425.8  | 15.0      |
| 60°-70°   | 336.7  | 11.9      |
| 70°-80°   | 213.1  | 7.5       |
| 80°-90°   | 91.6   | 3.2       |
| 90°-100°  | 40.3   | 1.4       |
| 100°-110° | 36.1   | 1.3       |
| 110°-120° | 30.5   | 1.1       |
| 120°-130° | 23.7   | 0.8       |
| 130°-140° | 16.4   | 0.6       |
| 140°-150° | 9.9    | 0.3       |
| 150°-160° | 4.8    | 0.2       |
| 160°-170° | 1.7    | 0.1       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 694.8  | 24.5      |
| 0°-40°    | 1138.7 | 40.2      |
| 0°-60°    | 2027.9 | 71.6      |
| 0°-90°    | 2669.3 | 94.2      |
| 90°-120°  | 106.9  | 3.8       |
| 90°-150°  | 156.9  | 5.5       |
| 90°-180°  | 164.0  | 5.8       |
| 0°-180°   | 2833.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 892 | 892   | 892 | 892   | 892 |      |
| 5°   | 895 | 892   | 883 | 890   | 888 | 85   |
| 15°  | 859 | 859   | 855 | 864   | 862 | 242  |
| 25°  | 790 | 794   | 795 | 805   | 804 | 364  |
| 35°  | 692 | 700   | 709 | 720   | 723 | 433  |
| 45°  | 574 | 588   | 603 | 615   | 619 | 443  |
| 55°  | 442 | 460   | 480 | 495   | 499 | 396  |
| 65°  | 304 | 322   | 344 | 360   | 366 | 300  |
| 75°  | 160 | 180   | 206 | 223   | 232 | 170  |
| 85°  | 39  | 60    | 86  | 105   | 111 | 43   |
| 90°  | 2   | 22    | 44  | 62    | 68  | 3    |
| 95°  | 0   | 19    | 40  | 56    | 62  | 0    |
| 105° | 0   | 17    | 38  | 53    | 58  | 1    |
| 115° | 0   | 14    | 34  | 48    | 53  | 1    |
| 125° | 1   | 13    | 29  | 41    | 46  | 1    |
| 135° | 1   | 10    | 23  | 33    | 37  | 1    |
| 145° | 1   | 8     | 16  | 25    | 27  | 1    |
| 155° | 1   | 5     | 10  | 16    | 19  | 0    |
| 165° | 2   | 4     | 6   | 8     | 10  | 0    |
| 175° | 2   | 2     | 2   | 2     | 2   | 0    |
| 180° | 2   | 2     | 2   | 2     | 2   |      |



TEST NUMBER: P565840

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 891.5 | 891.5 | 891.5 | 891.5 | 891.5 |
| 2.5°   | 898.0 | 895.0 | 885.0 | 892.0 | 888.5 |
| 5°     | 895.0 | 892.5 | 883.0 | 890.5 | 887.5 |
| 7.5°   | 889.5 | 887.5 | 878.9 | 887.0 | 884.0 |
| 10°    | 882.0 | 880.5 | 872.9 | 881.0 | 878.9 |
| 12.5°  | 872.4 | 871.9 | 864.4 | 873.4 | 871.9 |
| 15°    | 859.4 | 859.4 | 854.9 | 863.9 | 862.4 |
| 17.5°  | 845.3 | 845.8 | 842.3 | 851.9 | 850.9 |
| 20°    | 828.3 | 830.8 | 828.3 | 838.3 | 837.3 |
| 22.5°  | 809.7 | 813.2 | 812.2 | 822.3 | 822.8 |
| 25°    | 790.2 | 793.7 | 794.7 | 805.2 | 803.7 |
| 27.5°  | 768.6 | 774.1 | 776.1 | 785.6 | 785.1 |
| 30°    | 743.5 | 751.0 | 755.5 | 763.6 | 766.1 |
| 32.5°  | 717.9 | 726.9 | 732.5 | 743.5 | 746.5 |
| 35°    | 692.3 | 700.4 | 709.4 | 720.4 | 722.9 |
| 37.5°  | 664.2 | 673.3 | 685.3 | 695.8 | 698.8 |
| 40°    | 636.1 | 646.2 | 657.7 | 669.2 | 673.8 |
| 42.5°  | 607.0 | 617.6 | 630.1 | 643.7 | 648.2 |
| 45°    | 573.9 | 588.0 | 603.0 | 614.6 | 618.6 |
| 47.5°  | 542.3 | 557.9 | 573.9 | 586.5 | 591.0 |
| 50°    | 510.2 | 526.8 | 543.8 | 555.4 | 562.4 |
| 52.5°  | 476.6 | 494.7 | 511.7 | 526.3 | 530.8 |
| 55°    | 442.5 | 460.5 | 479.6 | 495.2 | 498.7 |
| 57.5°  | 409.4 | 426.9 | 446.0 | 460.5 | 467.6 |
| 60°    | 373.3 | 392.3 | 412.9 | 427.4 | 435.0 |
| 62.5°  | 338.1 | 356.7 | 378.8 | 394.3 | 400.3 |
| 65°    | 304.5 | 321.6 | 344.2 | 360.2 | 365.7 |
| 67.5°  | 267.4 | 287.0 | 308.5 | 327.1 | 334.1 |
| 70°    | 230.8 | 249.3 | 273.9 | 291.5 | 298.5 |
| 72.5°  | 196.7 | 214.7 | 239.3 | 256.9 | 263.4 |
| 75°    | 160.5 | 179.6 | 205.7 | 223.2 | 231.8 |
| 77.5°  | 125.9 | 147.0 | 172.1 | 191.1 | 200.7 |
| 80°    | 93.8  | 112.4 | 139.5 | 160.5 | 169.1 |
| 82.5°  | 63.7  | 83.8  | 111.9 | 131.4 | 141.0 |
| 85°    | 39.1  | 60.2  | 86.3  | 104.9 | 111.4 |
| 87.5°  | 18.6  | 38.6  | 62.7  | 80.8  | 88.8  |
| 90°    | 2.5   | 21.6  | 44.1  | 61.7  | 68.2  |
| 92.5°  | 0.5   | 18.6  | 40.6  | 57.2  | 63.2  |
| 95°    | 0.5   | 18.6  | 40.1  | 56.2  | 62.2  |
| 97.5°  | 0.5   | 18.1  | 39.6  | 55.7  | 61.2  |
| 100°   | 0.5   | 17.6  | 39.1  | 54.7  | 60.7  |
| 102.5° | 0.5   | 17.6  | 38.1  | 53.7  | 59.2  |
| 105°   | 0.5   | 17.1  | 37.6  | 52.7  | 58.2  |
| 107.5° | 0.5   | 16.6  | 36.6  | 51.7  | 57.2  |
| 110°   | 0.5   | 15.6  | 36.1  | 50.2  | 55.7  |



TEST NUMBER: P565840

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-5000K-HI

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°  | 67.5° | 90°  |
|--------|-----|-------|------|-------|------|
| 112.5° | 0.5 | 15.1  | 35.1 | 49.2  | 54.2 |
| 115°   | 0.5 | 14.5  | 34.1 | 47.7  | 52.7 |
| 117.5° | 0.5 | 14.0  | 32.6 | 46.2  | 51.2 |
| 120°   | 1.0 | 14.0  | 31.6 | 44.6  | 49.2 |
| 122.5° | 1.0 | 13.5  | 30.1 | 42.6  | 47.2 |
| 125°   | 1.0 | 13.0  | 28.6 | 41.1  | 45.7 |
| 127.5° | 1.0 | 12.5  | 27.1 | 39.1  | 43.1 |
| 130°   | 1.0 | 11.5  | 26.1 | 37.1  | 41.1 |
| 132.5° | 1.0 | 11.0  | 24.6 | 34.6  | 38.6 |
| 135°   | 1.0 | 10.0  | 23.1 | 32.6  | 36.6 |
| 137.5° | 1.0 | 9.5   | 21.6 | 30.6  | 34.1 |
| 140°   | 1.0 | 9.0   | 19.6 | 28.6  | 32.1 |
| 142.5° | 1.0 | 8.0   | 18.1 | 26.6  | 29.6 |
| 145°   | 1.0 | 7.5   | 16.1 | 24.6  | 27.1 |
| 147.5° | 1.0 | 6.5   | 14.5 | 22.6  | 25.1 |
| 150°   | 1.0 | 6.0   | 13.0 | 20.6  | 23.1 |
| 152.5° | 1.0 | 5.5   | 11.5 | 18.1  | 20.6 |
| 155°   | 1.0 | 5.0   | 10.5 | 15.6  | 18.6 |
| 157.5° | 1.0 | 4.5   | 9.0  | 13.5  | 16.6 |
| 160°   | 1.5 | 4.0   | 8.0  | 11.5  | 14.0 |
| 162.5° | 1.5 | 3.5   | 6.5  | 9.5   | 12.5 |
| 165°   | 1.5 | 3.5   | 5.5  | 7.5   | 10.5 |
| 167.5° | 1.5 | 3.0   | 4.5  | 6.0   | 8.5  |
| 170°   | 1.5 | 2.5   | 4.0  | 4.5   | 6.5  |
| 172.5° | 1.5 | 2.0   | 3.0  | 3.0   | 3.5  |
| 175°   | 1.5 | 2.0   | 2.5  | 2.5   | 1.5  |
| 177.5° | 1.5 | 1.5   | 1.5  | 1.5   | 1.0  |
| 180°   | 1.5 | 1.5   | 1.5  | 1.5   | 1.5  |

(END OF REPORT)