

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: P565635

Luminaire Tested: **2SNX-25SL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-25SL-UNV-L835-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

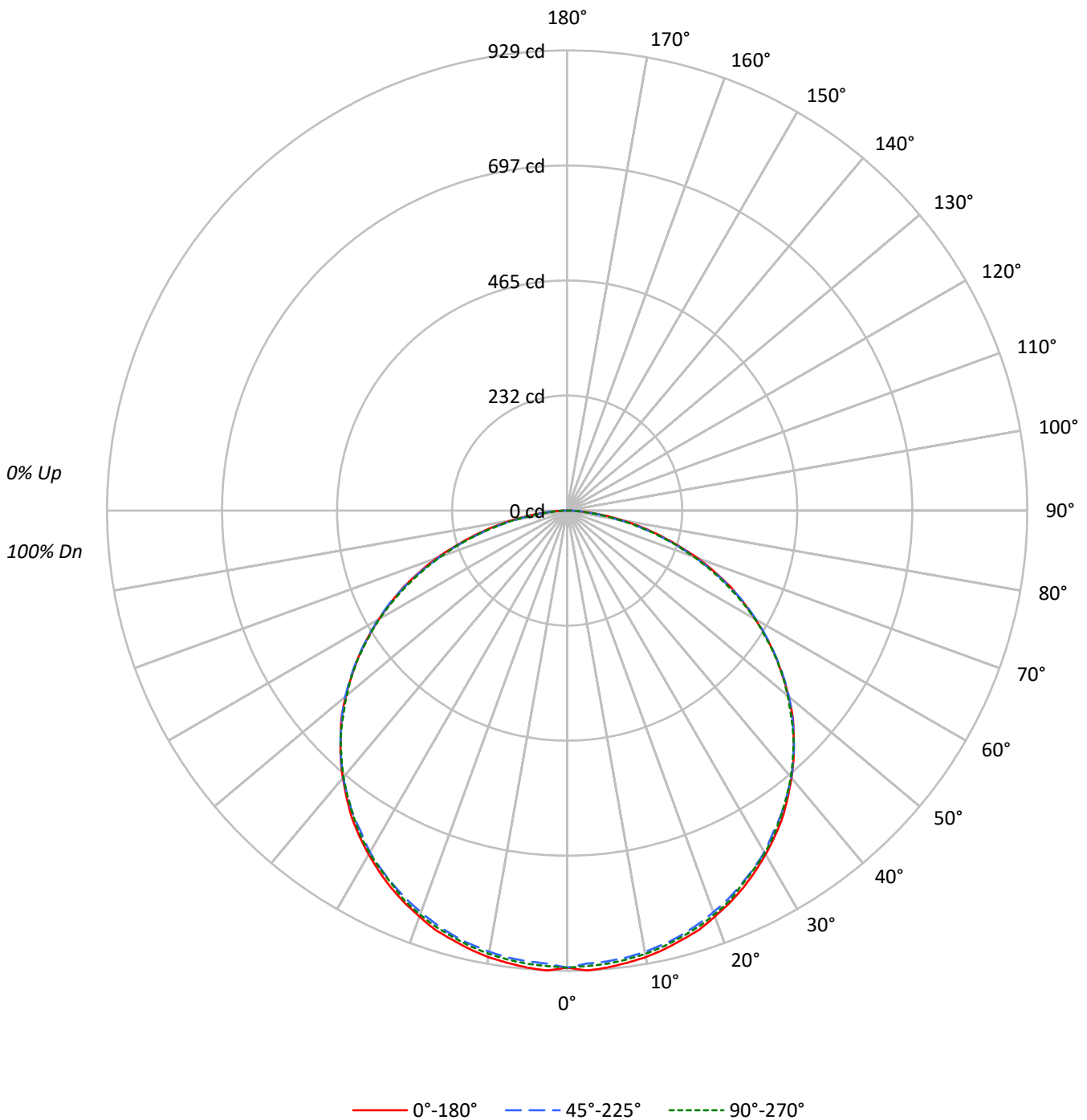
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2759.0 lumens  
Efficiency: N/A  
Efficacy: 157.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17.5  
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

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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   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 109 | 104 | 99  | 95  | 106 | 101 | 98  | 94  | 97  | 94  | 91  | 93  | 91  | 88  | 90  | 88  | 86  | 83  |
| 2   | 99  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 85  | 79  | 75  | 81  | 77  | 73  | 78  | 75  | 71  | 69  |
| 3   | 90  | 79  | 71  | 64  | 87  | 77  | 70  | 63  | 74  | 68  | 62  | 72  | 66  | 61  | 69  | 64  | 60  | 58  |
| 4   | 82  | 70  | 61  | 54  | 80  | 68  | 60  | 54  | 66  | 59  | 53  | 64  | 57  | 52  | 61  | 56  | 51  | 49  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |
| 6   | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 45  | 39  | 50  | 44  | 39  | 37  |
| 7   | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 35  | 33  |
| 8   | 60  | 46  | 37  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |
| 9   | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |
| 10  | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 19864 | 19864 | 19864 |
| 5°  | 20013 | 19743 | 19851 |
| 10° | 20008 | 19772 | 19862 |
| 15° | 19992 | 19789 | 19862 |
| 20° | 19979 | 19771 | 19885 |
| 25° | 19967 | 19770 | 19810 |
| 30° | 19926 | 19802 | 19844 |
| 35° | 19910 | 19758 | 19779 |
| 40° | 19798 | 19776 | 19750 |
| 45° | 19680 | 19704 | 19680 |
| 50° | 19539 | 19592 | 19455 |
| 55° | 19281 | 19341 | 19247 |
| 60° | 18901 | 18970 | 18863 |
| 65° | 18516 | 18389 | 18134 |
| 70° | 17599 | 17234 | 17026 |
| 75° | 16078 | 15529 | 15596 |
| 80° | 13885 | 12856 | 13166 |
| 85° | 10448 | 10053 | 9016  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.5   | 3.2       |
| 10°-20°   | 252.2  | 9.1       |
| 20°-30°   | 385.9  | 14.0      |
| 30°-40°   | 471.9  | 17.1      |
| 40°-50°   | 499.2  | 18.1      |
| 50°-60°   | 459.9  | 16.7      |
| 60°-70°   | 354.4  | 12.8      |
| 70°-80°   | 198.6  | 7.2       |
| 80°-90°   | 49.3   | 1.8       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 725.7  | 26.3      |
| 0°-40°    | 1197.6 | 43.4      |
| 0°-60°    | 2156.7 | 78.2      |
| 0°-90°    | 2759.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2759.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 923 | 923   | 923 | 923   | 923 |      |
| 5°  | 926 | 923   | 914 | 923   | 919 | 88   |
| 15° | 897 | 895   | 888 | 895   | 891 | 253  |
| 25° | 841 | 839   | 832 | 839   | 834 | 387  |
| 35° | 758 | 756   | 752 | 754   | 753 | 473  |
| 45° | 646 | 649   | 647 | 646   | 646 | 499  |
| 55° | 514 | 518   | 515 | 515   | 513 | 459  |
| 65° | 364 | 364   | 361 | 352   | 356 | 358  |
| 75° | 193 | 191   | 187 | 180   | 188 | 205  |
| 85° | 42  | 40    | 41  | 41    | 36  | 52   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 922.7 | 922.7 | 922.7 | 922.7 | 922.7 |
| 2.5°  | 929.4 | 925.2 | 915.3 | 924.4 | 920.3 |
| 5°    | 926.1 | 922.7 | 913.6 | 922.7 | 918.6 |
| 7.5°  | 921.1 | 918.6 | 910.3 | 918.6 | 914.4 |
| 10°   | 915.3 | 912.8 | 904.5 | 912.8 | 908.6 |
| 12.5° | 907.0 | 905.3 | 897.0 | 905.3 | 901.2 |
| 15°   | 897.0 | 895.4 | 887.9 | 895.4 | 891.2 |
| 17.5° | 887.1 | 883.7 | 876.3 | 884.6 | 881.3 |
| 20°   | 872.1 | 870.5 | 863.0 | 870.5 | 868.0 |
| 22.5° | 857.2 | 855.5 | 848.9 | 855.5 | 853.9 |
| 25°   | 840.6 | 838.9 | 832.3 | 838.9 | 834.0 |
| 27.5° | 821.5 | 822.3 | 814.9 | 819.0 | 816.5 |
| 30°   | 801.6 | 801.6 | 796.6 | 798.3 | 798.3 |
| 32.5° | 780.0 | 780.0 | 772.6 | 777.5 | 776.7 |
| 35°   | 757.6 | 756.0 | 751.8 | 754.3 | 752.6 |
| 37.5° | 731.1 | 730.2 | 727.7 | 729.4 | 727.7 |
| 40°   | 704.5 | 705.3 | 703.7 | 702.8 | 702.8 |
| 42.5° | 677.1 | 678.8 | 676.3 | 675.5 | 674.6 |
| 45°   | 646.4 | 648.9 | 647.2 | 646.4 | 646.4 |
| 47.5° | 618.2 | 619.0 | 616.5 | 615.7 | 613.2 |
| 50°   | 583.4 | 586.7 | 585.0 | 583.4 | 580.9 |
| 52.5° | 548.5 | 553.5 | 550.2 | 548.5 | 548.5 |
| 55°   | 513.7 | 517.8 | 515.3 | 515.3 | 512.8 |
| 57.5° | 477.1 | 481.3 | 478.0 | 478.0 | 474.6 |
| 60°   | 439.0 | 443.1 | 440.6 | 438.1 | 438.1 |
| 62.5° | 400.8 | 404.1 | 403.3 | 399.1 | 396.6 |
| 65°   | 363.5 | 363.5 | 361.0 | 351.8 | 356.0 |
| 67.5° | 321.1 | 320.3 | 317.0 | 307.9 | 313.7 |
| 70°   | 279.6 | 279.6 | 273.8 | 263.0 | 270.5 |
| 72.5° | 234.8 | 237.3 | 229.9 | 222.4 | 229.9 |
| 75°   | 193.3 | 190.9 | 186.7 | 180.1 | 187.5 |
| 77.5° | 153.5 | 149.4 | 144.4 | 141.1 | 145.2 |
| 80°   | 112.0 | 109.5 | 103.7 | 103.7 | 106.2 |
| 82.5° | 76.3  | 73.9  | 69.7  | 70.5  | 67.2  |
| 85°   | 42.3  | 39.8  | 40.7  | 40.7  | 36.5  |
| 87.5° | 17.4  | 17.4  | 17.4  | 15.8  | 14.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)