

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: P566228

Luminaire Tested: **4SNX-26SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566228
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: 4SNX-26SL-UNV-L940-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

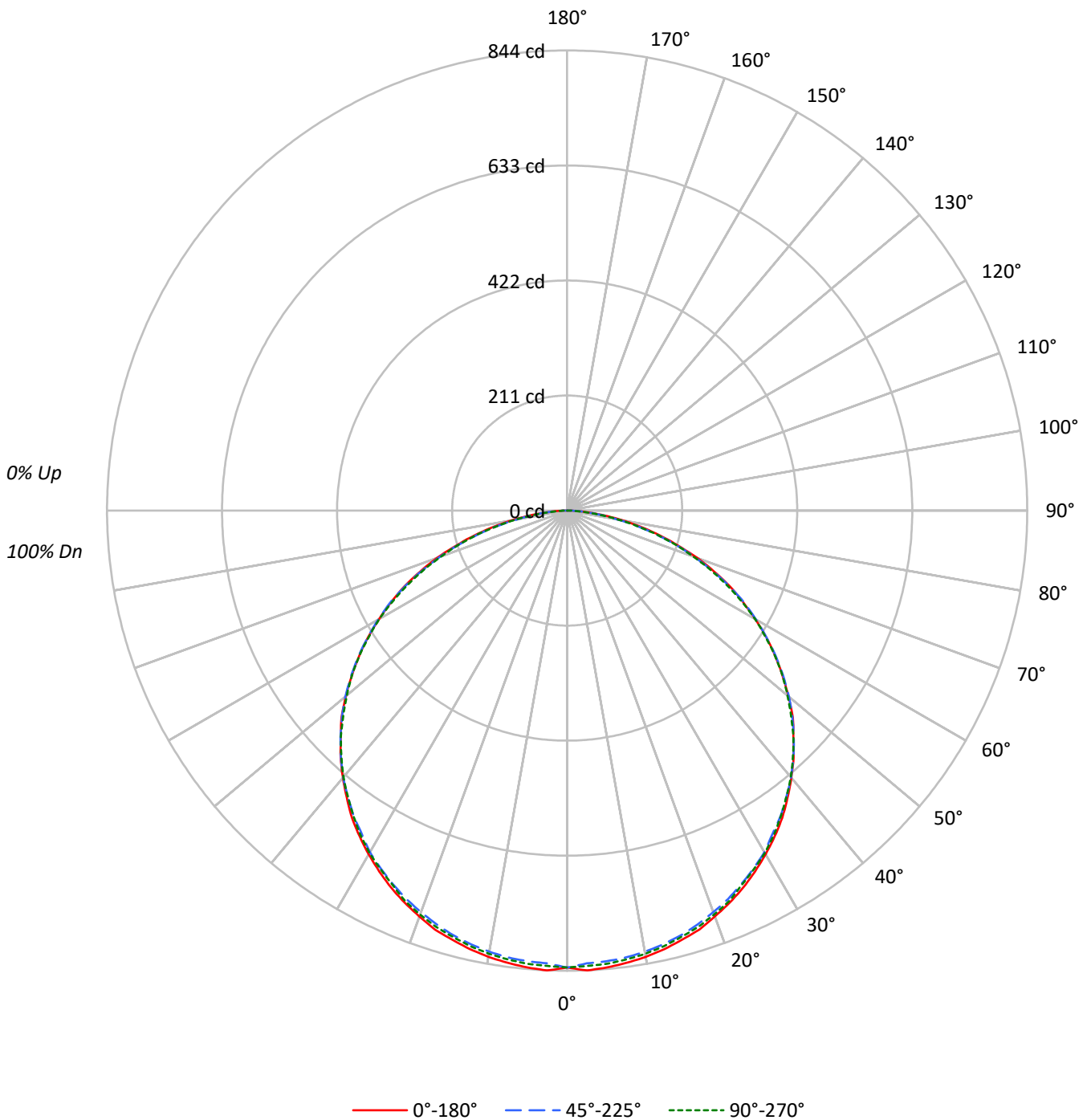
Lumens per Lamp: N/A
Luminaire Lumens: 2506.0 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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° | 9021 | 9021 | 9021 |
| 5° | 9088 | 8966 | 9016 |
| 10° | 9086 | 8979 | 9021 |
| 15° | 9080 | 8987 | 9021 |
| 20° | 9074 | 8979 | 9031 |
| 25° | 9068 | 8979 | 8997 |
| 30° | 9050 | 8994 | 9012 |
| 35° | 9042 | 8974 | 8983 |
| 40° | 8991 | 8980 | 8970 |
| 45° | 8937 | 8949 | 8937 |
| 50° | 8874 | 8899 | 8835 |
| 55° | 8754 | 8785 | 8741 |
| 60° | 8583 | 8615 | 8568 |
| 65° | 8408 | 8351 | 8234 |
| 70° | 7994 | 7827 | 7733 |
| 75° | 7303 | 7053 | 7083 |
| 80° | 6310 | 5839 | 5982 |
| 85° | 4742 | 4557 | 4100 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.5 | 3.2 |
| 10°-20° | 229.1 | 9.1 |
| 20°-30° | 350.5 | 14.0 |
| 30°-40° | 428.6 | 17.1 |
| 40°-50° | 453.4 | 18.1 |
| 50°-60° | 417.7 | 16.7 |
| 60°-70° | 321.9 | 12.8 |
| 70°-80° | 180.4 | 7.2 |
| 80°-90° | 44.8 | 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° | 659.2 | 26.3 |
| 0°-40° | 1087.8 | 43.4 |
| 0°-60° | 1958.9 | 78.2 |
| 0°-90° | 2506.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2506.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 838 | 838 | 838 | 838 | 838 | |
| 5° | 841 | 838 | 830 | 838 | 834 | 80 |
| 15° | 815 | 813 | 806 | 813 | 810 | 230 |
| 25° | 764 | 762 | 756 | 762 | 758 | 352 |
| 35° | 688 | 687 | 683 | 685 | 684 | 430 |
| 45° | 587 | 589 | 588 | 587 | 587 | 454 |
| 55° | 466 | 470 | 468 | 468 | 466 | 417 |
| 65° | 330 | 330 | 328 | 320 | 323 | 325 |
| 75° | 176 | 173 | 170 | 164 | 170 | 186 |
| 85° | 38 | 36 | 37 | 37 | 33 | 47 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P566228

CATALOG NUMBER: 4SNX-26SL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 838.1 | 838.1 | 838.1 | 838.1 | 838.1 |
| 2.5° | 844.2 | 840.4 | 831.3 | 839.6 | 835.9 |
| 5° | 841.1 | 838.1 | 829.8 | 838.1 | 834.4 |
| 7.5° | 836.6 | 834.4 | 826.8 | 834.4 | 830.6 |
| 10° | 831.3 | 829.1 | 821.5 | 829.1 | 825.3 |
| 12.5° | 823.8 | 822.3 | 814.8 | 822.3 | 818.5 |
| 15° | 814.8 | 813.3 | 806.5 | 813.3 | 809.5 |
| 17.5° | 805.7 | 802.7 | 795.9 | 803.5 | 800.4 |
| 20° | 792.2 | 790.6 | 783.9 | 790.6 | 788.4 |
| 22.5° | 778.6 | 777.1 | 771.0 | 777.1 | 775.6 |
| 25° | 763.5 | 762.0 | 756.0 | 762.0 | 757.5 |
| 27.5° | 746.2 | 746.9 | 740.1 | 743.9 | 741.7 |
| 30° | 728.1 | 728.1 | 723.6 | 725.1 | 725.1 |
| 32.5° | 708.5 | 708.5 | 701.7 | 706.2 | 705.5 |
| 35° | 688.1 | 686.6 | 682.9 | 685.1 | 683.6 |
| 37.5° | 664.0 | 663.3 | 661.0 | 662.5 | 661.0 |
| 40° | 639.9 | 640.7 | 639.1 | 638.4 | 638.4 |
| 42.5° | 615.0 | 616.5 | 614.3 | 613.5 | 612.8 |
| 45° | 587.1 | 589.4 | 587.9 | 587.1 | 587.1 |
| 47.5° | 561.5 | 562.3 | 560.0 | 559.3 | 557.0 |
| 50° | 529.9 | 532.9 | 531.4 | 529.9 | 527.6 |
| 52.5° | 498.2 | 502.7 | 499.7 | 498.2 | 498.2 |
| 55° | 466.5 | 470.3 | 468.1 | 468.1 | 465.8 |
| 57.5° | 433.4 | 437.2 | 434.1 | 434.1 | 431.1 |
| 60° | 398.7 | 402.5 | 400.2 | 398.0 | 398.0 |
| 62.5° | 364.0 | 367.1 | 366.3 | 362.5 | 360.3 |
| 65° | 330.1 | 330.1 | 327.9 | 319.6 | 323.3 |
| 67.5° | 291.7 | 290.9 | 287.9 | 279.6 | 284.9 |
| 70° | 254.0 | 254.0 | 248.7 | 238.9 | 245.7 |
| 72.5° | 213.3 | 215.6 | 208.8 | 202.0 | 208.8 |
| 75° | 175.6 | 173.4 | 169.6 | 163.6 | 170.3 |
| 77.5° | 139.4 | 135.7 | 131.1 | 128.1 | 131.9 |
| 80° | 101.8 | 99.5 | 94.2 | 94.2 | 96.5 |
| 82.5° | 69.3 | 67.1 | 63.3 | 64.1 | 61.1 |
| 85° | 38.4 | 36.2 | 36.9 | 36.9 | 33.2 |
| 87.5° | 15.8 | 15.8 | 15.8 | 14.3 | 12.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)