

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: P566225

Luminaire Tested: **4SNX-26SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566225
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-L850-CD
Description: 4FT 2600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

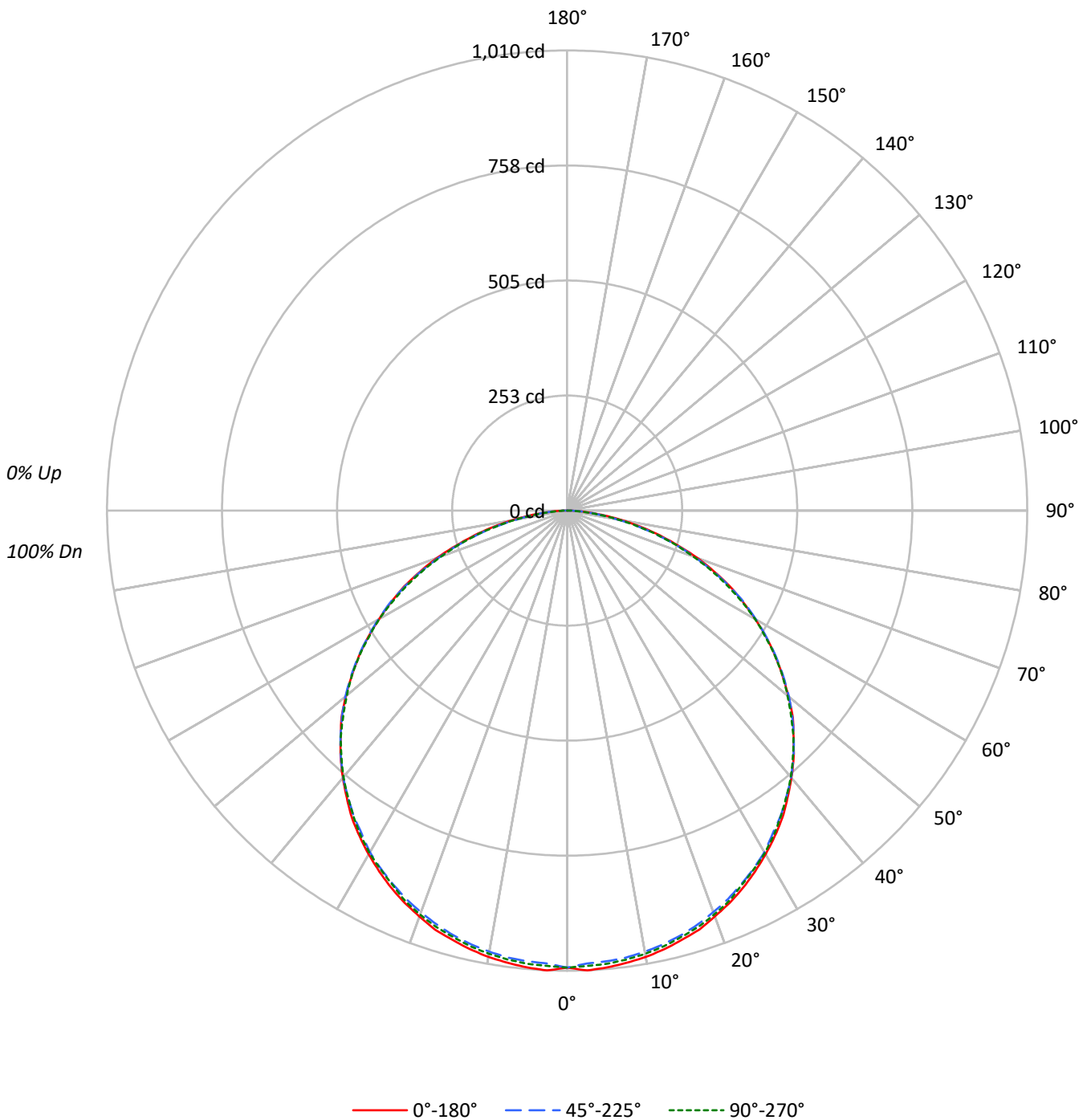
Lumens per Lamp: N/A
Luminaire Lumens: 2999.0 lumens
Efficiency: N/A
Efficacy: 182.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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





TEST NUMBER: P566225

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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° | 10796 | 10796 | 10796 |
| 5° | 10876 | 10730 | 10789 |
| 10° | 10874 | 10746 | 10796 |
| 15° | 10866 | 10755 | 10795 |
| 20° | 10859 | 10746 | 10808 |
| 25° | 10852 | 10745 | 10766 |
| 30° | 10829 | 10762 | 10785 |
| 35° | 10821 | 10738 | 10750 |
| 40° | 10760 | 10748 | 10735 |
| 45° | 10697 | 10711 | 10697 |
| 50° | 10618 | 10649 | 10573 |
| 55° | 10477 | 10511 | 10460 |
| 60° | 10273 | 10312 | 10254 |
| 65° | 10063 | 9994 | 9857 |
| 70° | 9567 | 9369 | 9253 |
| 75° | 8742 | 8438 | 8476 |
| 80° | 7550 | 6986 | 7159 |
| 85° | 5681 | 5459 | 4903 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.1 | 3.2 |
| 10°-20° | 274.2 | 9.1 |
| 20°-30° | 419.5 | 14.0 |
| 30°-40° | 512.9 | 17.1 |
| 40°-50° | 542.6 | 18.1 |
| 50°-60° | 499.9 | 16.7 |
| 60°-70° | 385.3 | 12.8 |
| 70°-80° | 215.8 | 7.2 |
| 80°-90° | 53.6 | 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° | 788.8 | 26.3 |
| 0°-40° | 1301.8 | 43.4 |
| 0°-60° | 2344.3 | 78.2 |
| 0°-90° | 2999.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2999.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1003 | 1003 | 1003 | 1003 | 1003 | |
| 5° | 1007 | 1003 | 993 | 1003 | 998 | 96 |
| 15° | 975 | 973 | 965 | 973 | 969 | 275 |
| 25° | 914 | 912 | 905 | 912 | 906 | 421 |
| 35° | 824 | 822 | 817 | 820 | 818 | 515 |
| 45° | 703 | 705 | 704 | 703 | 703 | 543 |
| 55° | 558 | 563 | 560 | 560 | 557 | 499 |
| 65° | 395 | 395 | 392 | 382 | 387 | 389 |
| 75° | 210 | 208 | 203 | 196 | 204 | 223 |
| 85° | 46 | 43 | 44 | 44 | 40 | 57 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P566225

CATALOG NUMBER: 4SNX-26SL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1003.0 | 1003.0 | 1003.0 | 1003.0 | 1003.0 |
| 2.5° | 1010.2 | 1005.7 | 994.9 | 1004.8 | 1000.3 |
| 5° | 1006.6 | 1003.0 | 993.1 | 1003.0 | 998.5 |
| 7.5° | 1001.2 | 998.5 | 989.5 | 998.5 | 994.0 |
| 10° | 994.9 | 992.2 | 983.2 | 992.2 | 987.7 |
| 12.5° | 985.9 | 984.1 | 975.1 | 984.1 | 979.6 |
| 15° | 975.1 | 973.2 | 965.1 | 973.2 | 968.7 |
| 17.5° | 964.2 | 960.6 | 952.5 | 961.5 | 957.9 |
| 20° | 948.0 | 946.2 | 938.1 | 946.2 | 943.5 |
| 22.5° | 931.8 | 930.0 | 922.7 | 930.0 | 928.1 |
| 25° | 913.7 | 911.9 | 904.7 | 911.9 | 906.5 |
| 27.5° | 893.0 | 893.9 | 885.8 | 890.3 | 887.6 |
| 30° | 871.3 | 871.3 | 865.9 | 867.7 | 867.7 |
| 32.5° | 847.9 | 847.9 | 839.8 | 845.2 | 844.3 |
| 35° | 823.5 | 821.7 | 817.2 | 819.9 | 818.1 |
| 37.5° | 794.7 | 793.8 | 791.0 | 792.8 | 791.0 |
| 40° | 765.8 | 766.7 | 764.9 | 764.0 | 764.0 |
| 42.5° | 736.0 | 737.8 | 735.1 | 734.2 | 733.3 |
| 45° | 702.7 | 705.4 | 703.6 | 702.7 | 702.7 |
| 47.5° | 672.0 | 672.9 | 670.2 | 669.3 | 666.6 |
| 50° | 634.1 | 637.7 | 635.9 | 634.1 | 631.4 |
| 52.5° | 596.2 | 601.6 | 598.0 | 596.2 | 596.2 |
| 55° | 558.3 | 562.8 | 560.1 | 560.1 | 557.4 |
| 57.5° | 518.6 | 523.2 | 519.5 | 519.5 | 515.9 |
| 60° | 477.2 | 481.7 | 479.0 | 476.3 | 476.3 |
| 62.5° | 435.7 | 439.3 | 438.4 | 433.9 | 431.2 |
| 65° | 395.1 | 395.1 | 392.4 | 382.4 | 387.0 |
| 67.5° | 349.1 | 348.2 | 344.6 | 334.6 | 341.0 |
| 70° | 304.0 | 304.0 | 297.7 | 285.9 | 294.0 |
| 72.5° | 255.3 | 258.0 | 249.9 | 241.7 | 249.9 |
| 75° | 210.2 | 207.5 | 202.9 | 195.7 | 203.8 |
| 77.5° | 166.9 | 162.4 | 156.9 | 153.3 | 157.8 |
| 80° | 121.8 | 119.1 | 112.7 | 112.7 | 115.5 |
| 82.5° | 83.0 | 80.3 | 75.8 | 76.7 | 73.1 |
| 85° | 46.0 | 43.3 | 44.2 | 44.2 | 39.7 |
| 87.5° | 18.9 | 18.9 | 18.9 | 17.1 | 15.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)