

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: P565888

Luminaire Tested: **2SNX-SL3-LW-UNV-CC83-CD-3500K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LW-UNV-CC83-CD-3500K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, HI LUMEN SETTING, AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

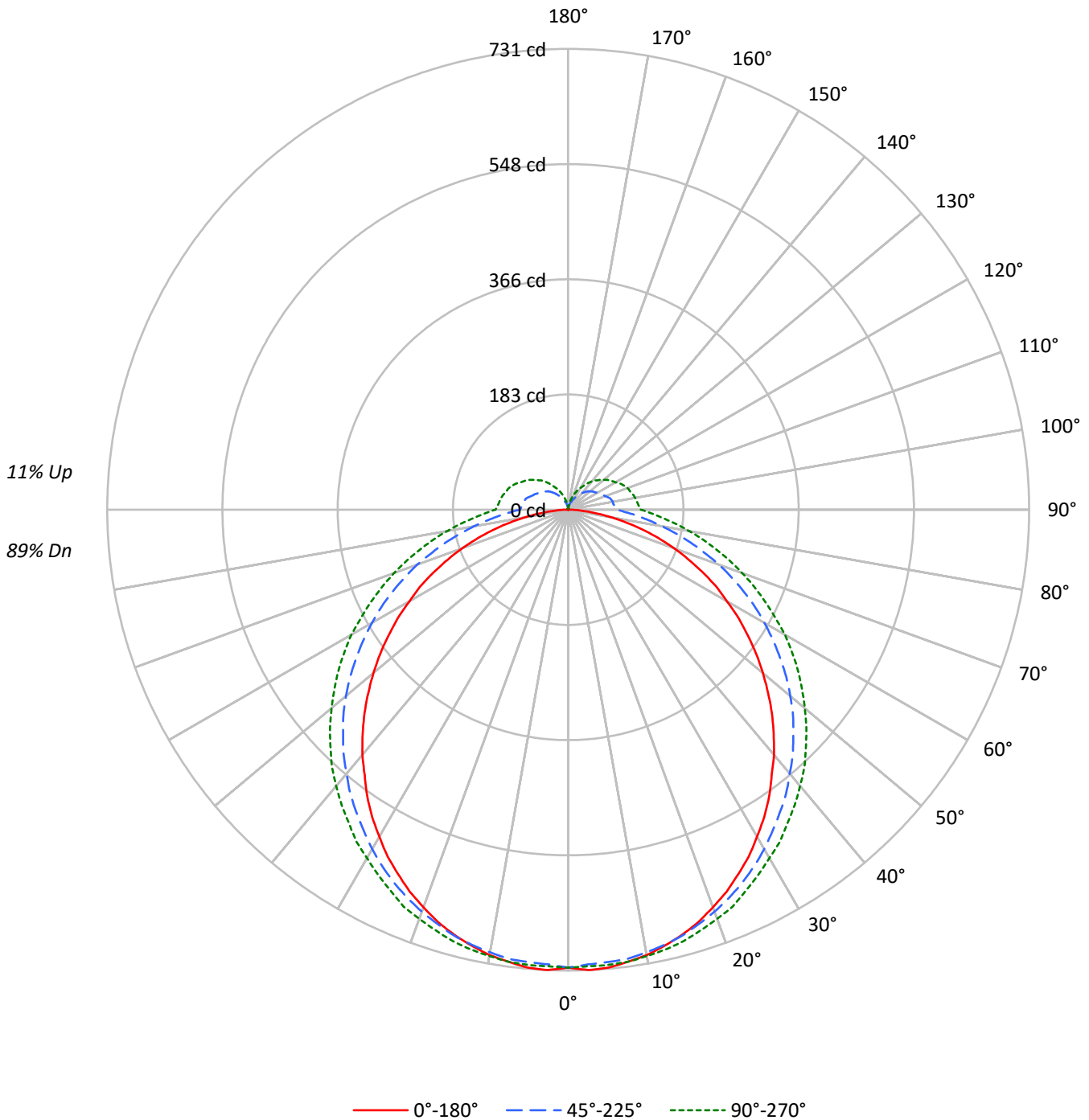
Lumens per Lamp: N/A
Luminaire Lumens: 2586.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 21
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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 105 | 100 | 95 | 90 | 101 | 96 | 92 | 88 | 90 | 86 | 83 | 84 | 81 | 79 | 79 | 76 | 74 | 71 |
| 2 | 95 | 86 | 79 | 73 | 91 | 83 | 76 | 71 | 78 | 72 | 68 | 73 | 68 | 64 | 68 | 65 | 61 | 58 |
| 3 | 86 | 75 | 67 | 60 | 83 | 73 | 65 | 59 | 68 | 61 | 56 | 64 | 58 | 54 | 60 | 55 | 51 | 49 |
| 4 | 79 | 66 | 57 | 50 | 75 | 64 | 56 | 49 | 60 | 53 | 47 | 57 | 50 | 46 | 53 | 48 | 44 | 41 |
| 5 | 72 | 59 | 50 | 43 | 69 | 57 | 49 | 42 | 54 | 46 | 41 | 51 | 44 | 39 | 48 | 42 | 38 | 35 |
| 6 | 67 | 53 | 44 | 37 | 64 | 51 | 43 | 37 | 48 | 41 | 35 | 46 | 39 | 34 | 43 | 38 | 33 | 31 |
| 7 | 62 | 48 | 39 | 33 | 59 | 47 | 38 | 32 | 44 | 37 | 31 | 42 | 35 | 30 | 39 | 34 | 29 | 27 |
| 8 | 57 | 44 | 35 | 29 | 55 | 42 | 34 | 29 | 40 | 33 | 28 | 38 | 32 | 27 | 36 | 30 | 26 | 24 |
| 9 | 53 | 40 | 32 | 26 | 51 | 39 | 31 | 26 | 37 | 30 | 25 | 35 | 29 | 24 | 33 | 28 | 24 | 22 |
| 10 | 50 | 37 | 29 | 24 | 48 | 36 | 28 | 23 | 34 | 27 | 23 | 32 | 26 | 22 | 31 | 25 | 21 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15638 | 15638 | 15638 |
| 5° | 15648 | 14878 | 14802 |
| 10° | 15455 | 14251 | 14062 |
| 15° | 15217 | 13650 | 13395 |
| 20° | 14920 | 13029 | 12730 |
| 25° | 14588 | 12436 | 12077 |
| 30° | 14209 | 11830 | 11452 |
| 35° | 13799 | 11222 | 10868 |
| 40° | 13335 | 10632 | 10310 |
| 45° | 12837 | 10041 | 9740 |
| 50° | 12275 | 9436 | 9141 |
| 55° | 11655 | 8765 | 8552 |
| 60° | 10934 | 8068 | 7931 |
| 65° | 10160 | 7317 | 7223 |
| 70° | 9127 | 6522 | 6526 |
| 75° | 7791 | 5603 | 5785 |
| 80° | 5800 | 4680 | 5049 |
| 85° | 3416 | 3823 | 4292 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.0 | 2.7 |
| 10°-20° | 198.3 | 7.7 |
| 20°-30° | 301.5 | 11.7 |
| 30°-40° | 366.1 | 14.2 |
| 40°-50° | 386.8 | 15.0 |
| 50°-60° | 362.0 | 14.0 |
| 60°-70° | 297.0 | 11.5 |
| 70°-80° | 204.3 | 7.9 |
| 80°-90° | 111.9 | 4.3 |
| 90°-100° | 72.0 | 2.8 |
| 100°-110° | 64.7 | 2.5 |
| 110°-120° | 53.5 | 2.1 |
| 120°-130° | 41.2 | 1.6 |
| 130°-140° | 28.9 | 1.1 |
| 140°-150° | 17.4 | 0.7 |
| 150°-160° | 8.4 | 0.3 |
| 160°-170° | 2.7 | 0.1 |
| 170°-180° | 0.3 | 0.0 |
| <hr/> | | |
| 0°-30° | 568.9 | 22.0 |
| 0°-40° | 934.9 | 36.2 |
| 0°-60° | 1683.7 | 65.1 |
| 0°-90° | 2296.8 | 88.8 |
| 90°-120° | 190.2 | 7.4 |
| 90°-150° | 277.8 | 10.7 |
| 90°-180° | 289.0 | 11.2 |
| 0°-180° | 2586.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 726 | 726 | 726 | 726 | 726 | |
| 5° | 729 | 728 | 720 | 726 | 725 | 69 |
| 15° | 698 | 701 | 700 | 708 | 708 | 197 |
| 25° | 638 | 646 | 653 | 666 | 666 | 294 |
| 35° | 556 | 569 | 586 | 602 | 607 | 347 |
| 45° | 457 | 478 | 505 | 527 | 533 | 352 |
| 55° | 348 | 376 | 410 | 436 | 445 | 311 |
| 65° | 235 | 267 | 307 | 336 | 344 | 233 |
| 75° | 123 | 156 | 201 | 232 | 243 | 129 |
| 85° | 27 | 64 | 109 | 139 | 150 | 31 |
| 90° | 0 | 36 | 76 | 105 | 115 | 2 |
| 95° | 0 | 34 | 73 | 100 | 111 | 0 |
| 105° | 0 | 28 | 69 | 94 | 103 | 1 |
| 115° | 2 | 26 | 58 | 84 | 94 | 1 |
| 125° | 2 | 21 | 49 | 72 | 81 | 1 |
| 135° | 2 | 16 | 40 | 58 | 66 | 1 |
| 145° | 2 | 12 | 28 | 45 | 49 | 1 |
| 155° | 2 | 8 | 18 | 28 | 33 | 1 |
| 165° | 2 | 4 | 9 | 14 | 16 | 0 |
| 175° | 2 | 2 | 3 | 3 | 2 | 0 |
| 180° | 2 | 2 | 2 | 2 | 2 | |



TEST NUMBER: P565888

CATALOG NUMBER: 2SNX-SL3-LW-UNV-CC83-CD-3500K-HI

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 726.4 | 726.4 | 726.4 | 726.4 | 726.4 |
| 2.5° | 730.9 | 729.4 | 721.9 | 727.9 | 724.9 |
| 5° | 729.4 | 727.9 | 720.4 | 726.4 | 724.9 |
| 7.5° | 723.4 | 723.4 | 718.9 | 724.9 | 723.4 |
| 10° | 717.4 | 717.4 | 712.9 | 720.4 | 718.9 |
| 12.5° | 708.4 | 709.9 | 706.9 | 715.9 | 714.4 |
| 15° | 698.0 | 701.0 | 699.5 | 708.4 | 708.4 |
| 17.5° | 686.0 | 689.0 | 689.0 | 699.5 | 699.5 |
| 20° | 671.0 | 675.5 | 678.5 | 690.5 | 690.5 |
| 22.5° | 656.0 | 662.0 | 666.5 | 677.0 | 681.5 |
| 25° | 638.0 | 645.5 | 653.0 | 666.5 | 666.5 |
| 27.5° | 620.1 | 629.1 | 638.0 | 651.5 | 653.0 |
| 30° | 599.1 | 609.6 | 621.6 | 635.1 | 638.0 |
| 32.5° | 578.1 | 591.6 | 603.6 | 620.1 | 624.6 |
| 35° | 555.7 | 569.1 | 585.6 | 602.1 | 606.6 |
| 37.5° | 530.2 | 546.7 | 567.7 | 585.6 | 590.1 |
| 40° | 507.7 | 525.7 | 546.7 | 567.7 | 572.1 |
| 42.5° | 482.3 | 501.7 | 527.2 | 546.7 | 554.2 |
| 45° | 456.8 | 477.8 | 504.7 | 527.2 | 533.2 |
| 47.5° | 429.9 | 453.8 | 483.8 | 504.7 | 512.2 |
| 50° | 402.9 | 428.4 | 459.8 | 483.8 | 489.8 |
| 52.5° | 375.9 | 402.9 | 435.8 | 459.8 | 467.3 |
| 55° | 347.5 | 375.9 | 410.4 | 435.8 | 444.8 |
| 57.5° | 320.5 | 349.0 | 384.9 | 411.9 | 420.9 |
| 60° | 290.6 | 323.5 | 359.5 | 386.4 | 396.9 |
| 62.5° | 265.1 | 295.1 | 334.0 | 361.0 | 369.9 |
| 65° | 235.1 | 266.6 | 307.0 | 335.5 | 344.5 |
| 67.5° | 206.7 | 239.6 | 280.1 | 310.0 | 319.0 |
| 70° | 178.2 | 211.2 | 254.6 | 283.1 | 293.6 |
| 72.5° | 149.8 | 184.2 | 226.2 | 257.6 | 268.1 |
| 75° | 122.8 | 155.8 | 200.7 | 232.2 | 242.6 |
| 77.5° | 94.4 | 130.3 | 175.2 | 206.7 | 218.7 |
| 80° | 68.9 | 106.3 | 151.3 | 182.7 | 194.7 |
| 82.5° | 46.4 | 83.9 | 128.8 | 160.3 | 172.2 |
| 85° | 27.0 | 64.4 | 109.3 | 139.3 | 149.8 |
| 87.5° | 13.5 | 49.4 | 91.4 | 121.3 | 131.8 |
| 90° | 0.0 | 35.9 | 76.4 | 104.8 | 115.3 |
| 92.5° | 0.0 | 34.4 | 74.9 | 101.8 | 112.3 |
| 95° | 0.0 | 34.4 | 73.4 | 100.3 | 110.8 |
| 97.5° | 0.0 | 33.0 | 71.9 | 100.3 | 109.3 |
| 100° | 0.0 | 31.5 | 71.9 | 98.9 | 107.8 |
| 102.5° | 0.0 | 30.0 | 70.4 | 97.4 | 106.3 |
| 105° | 0.0 | 28.5 | 68.9 | 94.4 | 103.3 |
| 107.5° | 1.5 | 28.5 | 65.9 | 92.9 | 101.8 |
| 110° | 1.5 | 27.0 | 62.9 | 91.4 | 100.3 |



TEST NUMBER: P565888

CATALOG NUMBER: 2SNX-SL3-LW-UNV-CC83-CD-3500K-HI

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 1.5 | 25.5 | 59.9 | 88.4 | 97.4 |
| 115° | 1.5 | 25.5 | 58.4 | 83.9 | 94.4 |
| 117.5° | 1.5 | 24.0 | 55.4 | 80.9 | 91.4 |
| 120° | 1.5 | 24.0 | 53.9 | 77.9 | 86.9 |
| 122.5° | 1.5 | 22.5 | 50.9 | 74.9 | 83.9 |
| 125° | 1.5 | 21.0 | 49.4 | 71.9 | 80.9 |
| 127.5° | 1.5 | 19.5 | 47.9 | 68.9 | 77.9 |
| 130° | 1.5 | 18.0 | 44.9 | 65.9 | 73.4 |
| 132.5° | 1.5 | 18.0 | 43.4 | 61.4 | 70.4 |
| 135° | 1.5 | 16.5 | 40.4 | 58.4 | 65.9 |
| 137.5° | 1.5 | 15.0 | 37.4 | 55.4 | 62.9 |
| 140° | 1.5 | 13.5 | 34.4 | 52.4 | 58.4 |
| 142.5° | 1.5 | 13.5 | 31.5 | 47.9 | 53.9 |
| 145° | 1.5 | 12.0 | 28.5 | 44.9 | 49.4 |
| 147.5° | 1.5 | 10.5 | 25.5 | 40.4 | 44.9 |
| 150° | 1.5 | 10.5 | 22.5 | 35.9 | 40.4 |
| 152.5° | 1.5 | 9.0 | 19.5 | 33.0 | 37.4 |
| 155° | 1.5 | 7.5 | 18.0 | 28.5 | 33.0 |
| 157.5° | 1.5 | 7.5 | 15.0 | 24.0 | 28.5 |
| 160° | 1.5 | 6.0 | 13.5 | 19.5 | 24.0 |
| 162.5° | 1.5 | 6.0 | 12.0 | 16.5 | 21.0 |
| 165° | 1.5 | 4.5 | 9.0 | 13.5 | 16.5 |
| 167.5° | 1.5 | 4.5 | 7.5 | 10.5 | 13.5 |
| 170° | 1.5 | 3.0 | 6.0 | 7.5 | 10.5 |
| 172.5° | 1.5 | 3.0 | 4.5 | 4.5 | 4.5 |
| 175° | 1.5 | 1.5 | 3.0 | 3.0 | 1.5 |
| 177.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 180° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |

(END OF REPORT)