

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: P565868

Luminaire Tested: **2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

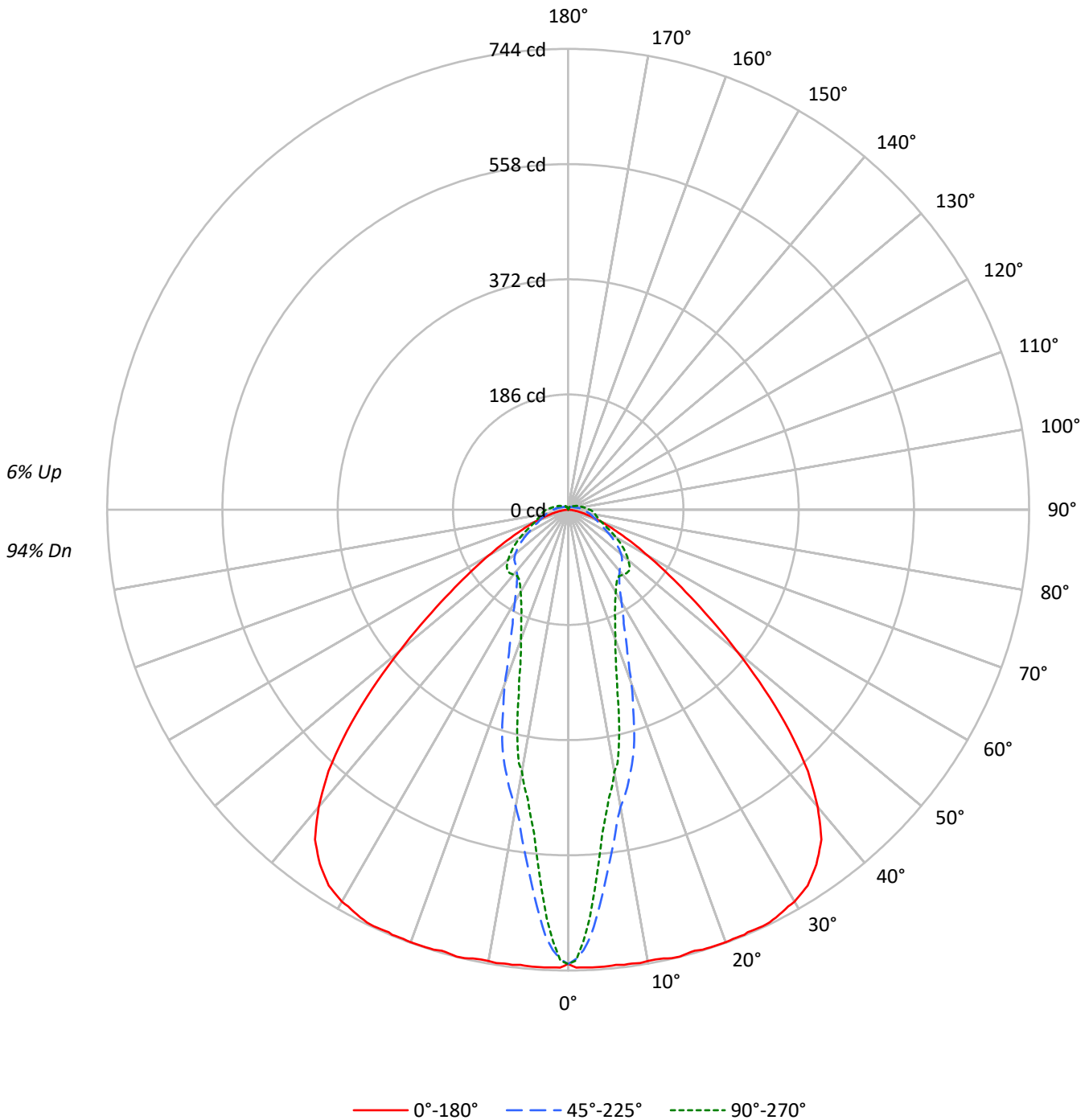
Lumens per Lamp: N/A
Luminaire Lumens: 904.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 6.666
Input Voltage (V): NR
Input Current (A_{in}): 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: P565868

CATALOG NUMBER: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P565868

CATALOG NUMBER: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW

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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 | | | | | 94 | | | |
| 1 | 108 | 103 | 99 | 96 | 105 | 101 | 97 | 94 | 95 | 92 | 90 | 90 | 88 | 86 | 86 | 84 | 82 | 80 | | | | | 80 | | | |
| 2 | 99 | 92 | 86 | 80 | 96 | 89 | 84 | 79 | 85 | 80 | 76 | 81 | 77 | 74 | 77 | 74 | 71 | 69 | | | | | 69 | | | |
| 3 | 92 | 82 | 75 | 69 | 89 | 80 | 73 | 68 | 76 | 71 | 66 | 73 | 68 | 64 | 70 | 66 | 62 | 60 | | | | | 60 | | | |
| 4 | 85 | 74 | 66 | 60 | 82 | 72 | 65 | 59 | 69 | 63 | 58 | 66 | 61 | 56 | 63 | 59 | 55 | 53 | | | | | 53 | | | |
| 5 | 79 | 67 | 59 | 53 | 76 | 66 | 58 | 52 | 63 | 56 | 51 | 60 | 55 | 50 | 58 | 53 | 49 | 47 | | | | | 47 | | | |
| 6 | 73 | 61 | 53 | 47 | 71 | 60 | 52 | 47 | 58 | 51 | 46 | 56 | 50 | 45 | 53 | 48 | 44 | 42 | | | | | 42 | | | |
| 7 | 69 | 56 | 48 | 43 | 67 | 55 | 48 | 42 | 53 | 46 | 42 | 51 | 45 | 41 | 50 | 44 | 40 | 38 | | | | | 38 | | | |
| 8 | 64 | 52 | 44 | 39 | 63 | 51 | 44 | 39 | 49 | 43 | 38 | 48 | 42 | 37 | 46 | 41 | 37 | 35 | | | | | 35 | | | |
| 9 | 61 | 48 | 41 | 36 | 59 | 47 | 40 | 35 | 46 | 39 | 35 | 44 | 39 | 34 | 43 | 38 | 34 | 32 | | | | | 32 | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 40 | 35 | 31 | 30 | | | | | 30 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15789 | 15789 | 15789 |
| 5° | 15874 | 12936 | 11606 |
| 10° | 15940 | 9743 | 8401 |
| 15° | 16169 | 7946 | 5817 |
| 20° | 16523 | 5738 | 4108 |
| 25° | 16970 | 4102 | 3233 |
| 30° | 17328 | 3271 | 2752 |
| 35° | 17347 | 2762 | 2465 |
| 40° | 16453 | 2505 | 2471 |
| 45° | 14192 | 2415 | 2539 |
| 50° | 10812 | 2290 | 2368 |
| 55° | 7768 | 1999 | 2101 |
| 60° | 5576 | 1663 | 1776 |
| 65° | 4006 | 1401 | 1457 |
| 70° | 2894 | 1235 | 1256 |
| 75° | 1999 | 1139 | 1171 |
| 80° | 1246 | 1061 | 1154 |
| 85° | 531 | 1004 | 1155 |



TEST NUMBER: P565868

CATALOG NUMBER: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.7 | 6.4 |
| 10°-20° | 125.2 | 13.9 |
| 20°-30° | 143.4 | 15.9 |
| 30°-40° | 143.6 | 15.9 |
| 40°-50° | 136.0 | 15.0 |
| 50°-60° | 104.3 | 11.5 |
| 60°-70° | 67.2 | 7.4 |
| 70°-80° | 42.9 | 4.7 |
| 80°-90° | 28.5 | 3.1 |
| 90°-100° | 19.1 | 2.1 |
| 100°-110° | 12.6 | 1.4 |
| 110°-120° | 8.8 | 1.0 |
| 120°-130° | 6.1 | 0.7 |
| 130°-140° | 4.2 | 0.5 |
| 140°-150° | 2.6 | 0.3 |
| 150°-160° | 1.3 | 0.1 |
| 160°-170° | 0.5 | 0.1 |
| 170°-180° | 0.1 | 0.0 |
| 0°-30° | 326.3 | 36.1 |
| 0°-40° | 469.9 | 52.0 |
| 0°-60° | 710.1 | 78.5 |
| 0°-90° | 848.6 | 93.9 |
| 90°-120° | 40.5 | 4.5 |
| 90°-150° | 53.5 | 5.9 |
| 90°-180° | 55.0 | 6.1 |
| 0°-180° | 904.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 733 | 733 | 733 | 733 | 733 | |
| 5° | 740 | 699 | 626 | 584 | 568 | 71 |
| 15° | 742 | 534 | 407 | 334 | 308 | 210 |
| 25° | 742 | 378 | 215 | 187 | 178 | 342 |
| 35° | 699 | 210 | 144 | 139 | 138 | 433 |
| 45° | 505 | 133 | 121 | 134 | 139 | 384 |
| 55° | 232 | 95 | 94 | 105 | 109 | 213 |
| 65° | 93 | 60 | 59 | 67 | 70 | 95 |
| 75° | 32 | 32 | 41 | 47 | 49 | 35 |
| 85° | 4 | 15 | 29 | 38 | 40 | 6 |
| 90° | 0 | 10 | 24 | 33 | 35 | 0 |
| 95° | 0 | 7 | 20 | 27 | 29 | 0 |
| 105° | 0 | 6 | 13 | 18 | 20 | 0 |
| 115° | 0 | 5 | 10 | 13 | 14 | 0 |
| 125° | 0 | 4 | 8 | 10 | 10 | 0 |
| 135° | 0 | 3 | 6 | 8 | 8 | 0 |
| 145° | 0 | 2 | 5 | 6 | 6 | 0 |
| 155° | 0 | 1 | 3 | 4 | 5 | 0 |
| 165° | 1 | 1 | 2 | 2 | 3 | 0 |
| 175° | 1 | 1 | 1 | 1 | 0 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P565868

CATALOG NUMBER: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 733.4 | 733.4 | 733.4 | 733.4 | 733.4 |
| 1° | 739.4 | 735.2 | 725.5 | 728.3 | 727.8 |
| 2° | 739.4 | 730.6 | 711.6 | 706.0 | 697.7 |
| 3° | 739.9 | 722.7 | 690.3 | 672.2 | 660.6 |
| 4° | 739.9 | 711.1 | 658.8 | 628.7 | 613.8 |
| 5° | 739.9 | 699.1 | 626.4 | 584.2 | 568.4 |
| 6° | 738.9 | 684.7 | 593.5 | 549.0 | 525.4 |
| 7° | 740.3 | 669.0 | 563.8 | 516.1 | 497.6 |
| 8° | 739.9 | 650.4 | 536.5 | 491.1 | 470.7 |
| 9° | 741.2 | 632.4 | 506.8 | 467.4 | 452.2 |
| 10° | 739.9 | 615.7 | 487.4 | 445.2 | 429.5 |
| 11° | 739.9 | 599.5 | 473.5 | 430.8 | 417.4 |
| 12° | 740.8 | 581.0 | 458.2 | 410.5 | 391.9 |
| 13° | 743.1 | 562.0 | 440.6 | 388.2 | 366.5 |
| 14° | 743.6 | 547.6 | 424.4 | 360.0 | 337.3 |
| 15° | 741.7 | 534.2 | 407.2 | 334.5 | 307.6 |
| 16° | 740.8 | 520.3 | 386.8 | 310.4 | 286.3 |
| 17° | 742.6 | 504.0 | 363.7 | 285.8 | 263.6 |
| 18° | 743.1 | 489.2 | 339.1 | 267.3 | 247.9 |
| 19° | 743.1 | 477.6 | 319.2 | 250.2 | 233.5 |
| 20° | 743.1 | 466.5 | 298.8 | 237.2 | 222.8 |
| 21° | 742.2 | 452.6 | 275.7 | 223.8 | 211.7 |
| 22.5° | 742.6 | 426.7 | 249.2 | 208.0 | 198.3 |
| 23° | 741.2 | 420.2 | 242.8 | 203.8 | 193.7 |
| 24° | 741.7 | 401.7 | 228.9 | 195.5 | 185.8 |
| 25° | 742.2 | 378.0 | 215.4 | 187.2 | 178.4 |
| 26° | 741.2 | 359.0 | 204.3 | 179.3 | 173.3 |
| 27° | 738.9 | 343.8 | 196.4 | 172.8 | 167.2 |
| 28° | 735.7 | 323.4 | 188.1 | 167.2 | 162.1 |
| 29° | 732.4 | 300.2 | 179.8 | 161.2 | 157.5 |
| 30° | 730.6 | 281.7 | 171.9 | 156.6 | 153.3 |
| 32.5° | 719.5 | 245.1 | 155.7 | 147.3 | 144.5 |
| 35° | 698.6 | 210.3 | 144.1 | 139.4 | 137.6 |
| 37.5° | 671.3 | 183.5 | 135.3 | 134.4 | 134.8 |
| 40° | 626.4 | 162.1 | 128.8 | 133.0 | 137.1 |
| 42.5° | 572.6 | 145.5 | 124.2 | 134.4 | 139.0 |
| 45° | 505.0 | 133.0 | 121.4 | 134.4 | 139.0 |
| 47.5° | 429.9 | 122.8 | 118.1 | 129.7 | 134.4 |
| 50° | 354.9 | 113.5 | 111.6 | 122.8 | 126.9 |
| 52.5° | 288.6 | 104.7 | 103.3 | 114.0 | 118.1 |
| 55° | 231.6 | 95.0 | 93.6 | 105.2 | 109.3 |
| 57.5° | 185.8 | 85.7 | 84.3 | 95.0 | 99.1 |
| 60° | 148.2 | 76.4 | 74.1 | 84.8 | 88.9 |
| 62.5° | 118.1 | 67.6 | 66.2 | 75.5 | 79.2 |
| 65° | 92.7 | 59.8 | 58.8 | 67.2 | 69.5 |



TEST NUMBER: P565868

CATALOG NUMBER: 2SNX-SL3-LC-UNV-CC93-CD-5000K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|------|-------|------|-------|------|
| 67.5° | 73.2 | 52.4 | 52.8 | 59.8 | 62.5 |
| 70° | 56.5 | 45.4 | 48.2 | 54.7 | 56.5 |
| 72.5° | 42.6 | 38.5 | 44.5 | 50.0 | 52.4 |
| 75° | 31.5 | 32.4 | 40.8 | 46.8 | 49.1 |
| 77.5° | 21.8 | 26.9 | 37.5 | 44.0 | 46.3 |
| 80° | 14.8 | 21.8 | 34.3 | 41.7 | 44.5 |
| 82.5° | 8.8 | 18.1 | 31.5 | 39.4 | 42.6 |
| 85° | 4.2 | 14.8 | 28.7 | 37.5 | 40.3 |
| 87.5° | 1.4 | 12.0 | 25.9 | 35.7 | 38.0 |
| 90° | 0.0 | 10.2 | 24.1 | 33.4 | 34.7 |
| 92.5° | 0.0 | 8.8 | 21.8 | 30.6 | 31.5 |
| 95° | 0.0 | 7.4 | 19.9 | 27.3 | 28.7 |
| 97.5° | 0.0 | 6.9 | 18.5 | 24.6 | 26.4 |
| 100° | 0.0 | 6.5 | 16.7 | 22.2 | 24.1 |
| 102.5° | 0.0 | 5.6 | 14.8 | 19.9 | 21.8 |
| 105° | 0.0 | 5.6 | 13.0 | 18.5 | 19.9 |
| 107.5° | 0.5 | 5.1 | 12.0 | 16.7 | 18.5 |
| 110° | 0.5 | 5.1 | 10.7 | 15.8 | 17.1 |
| 112.5° | 0.5 | 5.1 | 10.2 | 14.4 | 16.2 |
| 115° | 0.5 | 4.6 | 9.7 | 13.4 | 14.4 |
| 117.5° | 0.5 | 4.6 | 9.3 | 12.0 | 13.0 |
| 120° | 0.5 | 4.2 | 8.8 | 11.1 | 11.6 |
| 122.5° | 0.5 | 4.2 | 8.3 | 10.2 | 10.7 |
| 125° | 0.5 | 4.2 | 8.3 | 9.7 | 10.2 |
| 127.5° | 0.5 | 3.7 | 7.9 | 9.3 | 9.3 |
| 130° | 0.5 | 3.7 | 7.4 | 8.8 | 8.8 |
| 132.5° | 0.5 | 3.2 | 6.9 | 8.3 | 8.8 |
| 135° | 0.5 | 3.2 | 6.5 | 7.9 | 8.3 |
| 137.5° | 0.5 | 2.8 | 6.0 | 7.4 | 7.9 |
| 140° | 0.5 | 2.8 | 5.6 | 6.9 | 7.4 |
| 142.5° | 0.5 | 2.3 | 5.1 | 6.5 | 6.9 |
| 145° | 0.5 | 2.3 | 4.6 | 6.0 | 6.5 |
| 147.5° | 0.5 | 2.3 | 4.2 | 5.6 | 6.0 |
| 150° | 0.5 | 1.9 | 3.7 | 5.1 | 5.6 |
| 152.5° | 0.5 | 1.9 | 3.2 | 4.6 | 5.1 |
| 155° | 0.5 | 1.4 | 2.8 | 4.2 | 4.6 |
| 157.5° | 0.5 | 1.4 | 2.8 | 3.7 | 4.2 |
| 160° | 0.9 | 1.4 | 2.3 | 3.2 | 3.7 |
| 162.5° | 0.5 | 0.9 | 2.3 | 2.8 | 3.2 |
| 165° | 0.9 | 0.9 | 1.9 | 2.3 | 2.8 |
| 167.5° | 0.9 | 0.9 | 1.4 | 1.9 | 2.3 |
| 170° | 0.9 | 0.9 | 1.4 | 1.4 | 1.9 |
| 172.5° | 0.9 | 0.9 | 0.9 | 1.4 | 0.9 |
| 175° | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 |
| 177.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.5 |



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CANDELA DISTRIBUTION (continued):

| | | | | | |
|------|-----|-------|-----|-------|-----|
| | 0° | 22.5° | 45° | 67.5° | 90° |
| 180° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

(END OF REPORT)