

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: P565630

Luminaire Tested: **2SNX-25SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565630
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-25SL-SLW-UNV-L930-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

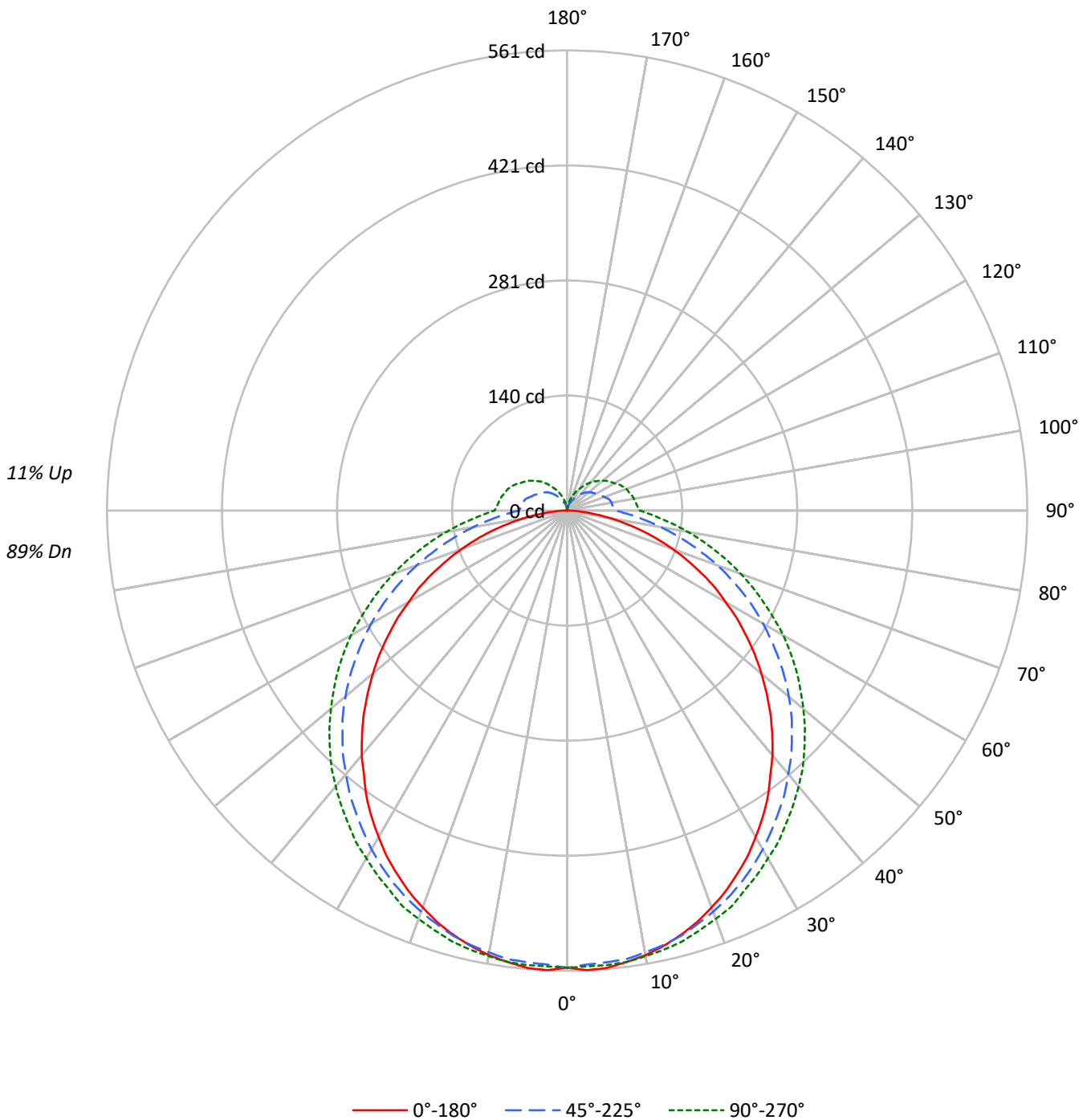
Lumens per Lamp: N/A
Luminaire Lumens: 1984.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P565630

CATALOG NUMBER: 2SNX-25SL-SLW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565630

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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 | 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 | 77 | 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° | 11997 | 11997 | 11997 |
| 5° | 12049 | 11674 | 11680 |
| 10° | 11944 | 11425 | 11391 |
| 15° | 11804 | 11169 | 11124 |
| 20° | 11618 | 10879 | 10827 |
| 25° | 11407 | 10596 | 10517 |
| 30° | 11157 | 10286 | 10211 |
| 35° | 10887 | 9965 | 9924 |
| 40° | 10578 | 9648 | 9649 |
| 45° | 10246 | 9325 | 9351 |
| 50° | 9864 | 8987 | 9018 |
| 55° | 9446 | 8582 | 8690 |
| 60° | 8954 | 8148 | 8324 |
| 65° | 8438 | 7662 | 7864 |
| 70° | 7724 | 7124 | 7413 |
| 75° | 6785 | 6451 | 6917 |
| 80° | 5309 | 5762 | 6425 |
| 85° | 3468 | 5157 | 5919 |



TEST NUMBER: P565630

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.9 | 2.7 |
| 10°-20° | 152.2 | 7.7 |
| 20°-30° | 231.3 | 11.7 |
| 30°-40° | 280.8 | 14.2 |
| 40°-50° | 296.8 | 15.0 |
| 50°-60° | 277.7 | 14.0 |
| 60°-70° | 227.9 | 11.5 |
| 70°-80° | 156.7 | 7.9 |
| 80°-90° | 85.8 | 4.3 |
| 90°-100° | 55.3 | 2.8 |
| 100°-110° | 49.6 | 2.5 |
| 110°-120° | 41.0 | 2.1 |
| 120°-130° | 31.6 | 1.6 |
| 130°-140° | 22.2 | 1.1 |
| 140°-150° | 13.4 | 0.7 |
| 150°-160° | 6.4 | 0.3 |
| 160°-170° | 2.1 | 0.1 |
| 170°-180° | 0.2 | 0.0 |
| 0°-30° | 436.4 | 22.0 |
| 0°-40° | 717.3 | 36.2 |
| 0°-60° | 1291.7 | 65.1 |
| 0°-90° | 1762.1 | 88.8 |
| 90°-120° | 145.9 | 7.4 |
| 90°-150° | 213.1 | 10.7 |
| 90°-180° | 222.0 | 11.2 |
| 0°-180° | 1984.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 557 | 557 | 557 | 557 | 557 | |
| 5° | 560 | 558 | 553 | 557 | 556 | 53 |
| 15° | 536 | 538 | 537 | 544 | 544 | 151 |
| 25° | 490 | 495 | 501 | 511 | 511 | 226 |
| 35° | 426 | 437 | 449 | 462 | 465 | 266 |
| 45° | 350 | 367 | 387 | 404 | 409 | 270 |
| 55° | 267 | 288 | 315 | 334 | 341 | 239 |
| 65° | 180 | 204 | 236 | 257 | 264 | 179 |
| 75° | 94 | 120 | 154 | 178 | 186 | 99 |
| 85° | 21 | 49 | 84 | 107 | 115 | 24 |
| 90° | 0 | 28 | 59 | 80 | 88 | 1 |
| 95° | 0 | 26 | 56 | 77 | 85 | 0 |
| 105° | 0 | 22 | 53 | 72 | 79 | 1 |
| 115° | 1 | 20 | 45 | 64 | 72 | 1 |
| 125° | 1 | 16 | 38 | 55 | 62 | 1 |
| 135° | 1 | 13 | 31 | 45 | 51 | 1 |
| 145° | 1 | 9 | 22 | 34 | 38 | 1 |
| 155° | 1 | 6 | 14 | 22 | 25 | 1 |
| 165° | 1 | 3 | 7 | 10 | 13 | 0 |
| 175° | 1 | 1 | 2 | 2 | 1 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P565630

CATALOG NUMBER: 2SNX-25SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 557.3 | 557.3 | 557.3 | 557.3 | 557.3 |
| 2.5° | 560.8 | 559.6 | 553.9 | 558.5 | 556.2 |
| 5° | 559.6 | 558.5 | 552.7 | 557.3 | 556.2 |
| 7.5° | 555.0 | 555.0 | 551.6 | 556.2 | 555.0 |
| 10° | 550.4 | 550.4 | 547.0 | 552.7 | 551.6 |
| 12.5° | 543.5 | 544.7 | 542.4 | 549.3 | 548.1 |
| 15° | 535.5 | 537.8 | 536.6 | 543.5 | 543.5 |
| 17.5° | 526.3 | 528.6 | 528.6 | 536.6 | 536.6 |
| 20° | 514.8 | 518.2 | 520.5 | 529.7 | 529.7 |
| 22.5° | 503.3 | 507.9 | 511.3 | 519.4 | 522.8 |
| 25° | 489.5 | 495.3 | 501.0 | 511.3 | 511.3 |
| 27.5° | 475.7 | 482.6 | 489.5 | 499.9 | 501.0 |
| 30° | 459.6 | 467.7 | 476.9 | 487.2 | 489.5 |
| 32.5° | 443.6 | 453.9 | 463.1 | 475.7 | 479.2 |
| 35° | 426.3 | 436.7 | 449.3 | 461.9 | 465.4 |
| 37.5° | 406.8 | 419.4 | 435.5 | 449.3 | 452.7 |
| 40° | 389.5 | 403.3 | 419.4 | 435.5 | 439.0 |
| 42.5° | 370.0 | 384.9 | 404.5 | 419.4 | 425.2 |
| 45° | 350.5 | 366.6 | 387.2 | 404.5 | 409.1 |
| 47.5° | 329.8 | 348.2 | 371.2 | 387.2 | 393.0 |
| 50° | 309.1 | 328.6 | 352.8 | 371.2 | 375.8 |
| 52.5° | 288.4 | 309.1 | 334.4 | 352.8 | 358.5 |
| 55° | 266.6 | 288.4 | 314.9 | 334.4 | 341.3 |
| 57.5° | 245.9 | 267.7 | 295.3 | 316.0 | 322.9 |
| 60° | 222.9 | 248.2 | 275.8 | 296.5 | 304.5 |
| 62.5° | 203.4 | 226.4 | 256.2 | 276.9 | 283.8 |
| 65° | 180.4 | 204.5 | 235.6 | 257.4 | 264.3 |
| 67.5° | 158.6 | 183.9 | 214.9 | 237.9 | 244.8 |
| 70° | 136.7 | 162.0 | 195.3 | 217.2 | 225.2 |
| 72.5° | 114.9 | 141.3 | 173.5 | 197.6 | 205.7 |
| 75° | 94.2 | 119.5 | 154.0 | 178.1 | 186.2 |
| 77.5° | 72.4 | 100.0 | 134.4 | 158.6 | 167.8 |
| 80° | 52.9 | 81.6 | 116.1 | 140.2 | 149.4 |
| 82.5° | 35.6 | 64.3 | 98.8 | 123.0 | 132.1 |
| 85° | 20.7 | 49.4 | 83.9 | 106.9 | 114.9 |
| 87.5° | 10.3 | 37.9 | 70.1 | 93.1 | 101.1 |
| 90° | 0.0 | 27.6 | 58.6 | 80.4 | 88.5 |
| 92.5° | 0.0 | 26.4 | 57.5 | 78.1 | 86.2 |
| 95° | 0.0 | 26.4 | 56.3 | 77.0 | 85.0 |
| 97.5° | 0.0 | 25.3 | 55.2 | 77.0 | 83.9 |
| 100° | 0.0 | 24.1 | 55.2 | 75.8 | 82.7 |
| 102.5° | 0.0 | 23.0 | 54.0 | 74.7 | 81.6 |
| 105° | 0.0 | 21.8 | 52.9 | 72.4 | 79.3 |
| 107.5° | 1.1 | 21.8 | 50.6 | 71.2 | 78.1 |
| 110° | 1.1 | 20.7 | 48.3 | 70.1 | 77.0 |



TEST NUMBER: P565630

CATALOG NUMBER: 2SNX-25SL-SLW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 1.1 | 19.5 | 46.0 | 67.8 | 74.7 |
| 115° | 1.1 | 19.5 | 44.8 | 64.3 | 72.4 |
| 117.5° | 1.1 | 18.4 | 42.5 | 62.1 | 70.1 |
| 120° | 1.1 | 18.4 | 41.4 | 59.8 | 66.6 |
| 122.5° | 1.1 | 17.2 | 39.1 | 57.5 | 64.3 |
| 125° | 1.1 | 16.1 | 37.9 | 55.2 | 62.1 |
| 127.5° | 1.1 | 14.9 | 36.8 | 52.9 | 59.8 |
| 130° | 1.1 | 13.8 | 34.5 | 50.6 | 56.3 |
| 132.5° | 1.1 | 13.8 | 33.3 | 47.1 | 54.0 |
| 135° | 1.1 | 12.6 | 31.0 | 44.8 | 50.6 |
| 137.5° | 1.1 | 11.5 | 28.7 | 42.5 | 48.3 |
| 140° | 1.1 | 10.3 | 26.4 | 40.2 | 44.8 |
| 142.5° | 1.1 | 10.3 | 24.1 | 36.8 | 41.4 |
| 145° | 1.1 | 9.2 | 21.8 | 34.5 | 37.9 |
| 147.5° | 1.1 | 8.0 | 19.5 | 31.0 | 34.5 |
| 150° | 1.1 | 8.0 | 17.2 | 27.6 | 31.0 |
| 152.5° | 1.1 | 6.9 | 14.9 | 25.3 | 28.7 |
| 155° | 1.1 | 5.7 | 13.8 | 21.8 | 25.3 |
| 157.5° | 1.1 | 5.7 | 11.5 | 18.4 | 21.8 |
| 160° | 1.1 | 4.6 | 10.3 | 14.9 | 18.4 |
| 162.5° | 1.1 | 4.6 | 9.2 | 12.6 | 16.1 |
| 165° | 1.1 | 3.4 | 6.9 | 10.3 | 12.6 |
| 167.5° | 1.1 | 3.4 | 5.7 | 8.0 | 10.3 |
| 170° | 1.1 | 2.3 | 4.6 | 5.7 | 8.0 |
| 172.5° | 1.1 | 2.3 | 3.4 | 3.4 | 3.4 |
| 175° | 1.1 | 1.1 | 2.3 | 2.3 | 1.1 |
| 177.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 180° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |

(END OF REPORT)