

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: P565631

Luminaire Tested: **2SNX-25SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565631
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-L935-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

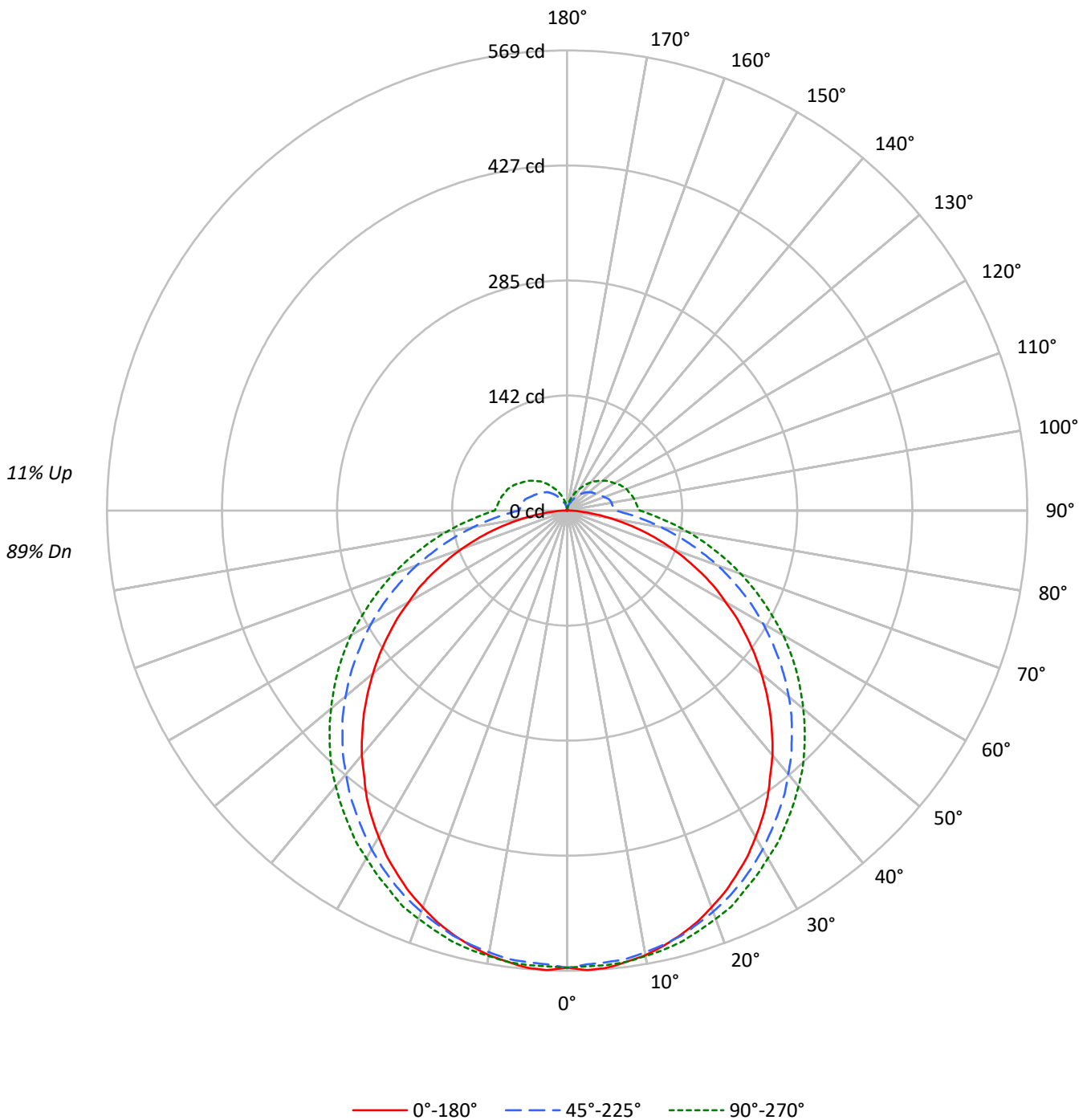
Lumens per Lamp: N/A
Luminaire Lumens: 2012.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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

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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° | 12168 | 12168 | 12168 |
| 5° | 12219 | 11839 | 11844 |
| 10° | 12114 | 11586 | 11550 |
| 15° | 11969 | 11327 | 11281 |
| 20° | 11783 | 11033 | 10980 |
| 25° | 11567 | 10746 | 10667 |
| 30° | 11315 | 10431 | 10355 |
| 35° | 11040 | 10105 | 10065 |
| 40° | 10727 | 9784 | 9783 |
| 45° | 10389 | 9458 | 9483 |
| 50° | 10005 | 9114 | 9145 |
| 55° | 9581 | 8702 | 8812 |
| 60° | 9082 | 8263 | 8441 |
| 65° | 8560 | 7769 | 7974 |
| 70° | 7837 | 7226 | 7518 |
| 75° | 6885 | 6543 | 7014 |
| 80° | 5379 | 5842 | 6515 |
| 85° | 3518 | 5231 | 6002 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.7 | 2.7 |
| 10°-20° | 154.3 | 7.7 |
| 20°-30° | 234.6 | 11.7 |
| 30°-40° | 284.8 | 14.2 |
| 40°-50° | 300.9 | 15.0 |
| 50°-60° | 281.6 | 14.0 |
| 60°-70° | 231.1 | 11.5 |
| 70°-80° | 158.9 | 7.9 |
| 80°-90° | 87.0 | 4.3 |
| 90°-100° | 56.0 | 2.8 |
| 100°-110° | 50.3 | 2.5 |
| 110°-120° | 41.6 | 2.1 |
| 120°-130° | 32.1 | 1.6 |
| 130°-140° | 22.5 | 1.1 |
| 140°-150° | 13.6 | 0.7 |
| 150°-160° | 6.5 | 0.3 |
| 160°-170° | 2.1 | 0.1 |
| 170°-180° | 0.3 | 0.0 |
| 0°-30° | 442.6 | 22.0 |
| 0°-40° | 727.4 | 36.2 |
| 0°-60° | 1310.0 | 65.1 |
| 0°-90° | 1787.0 | 88.8 |
| 90°-120° | 148.0 | 7.4 |
| 90°-150° | 216.1 | 10.7 |
| 90°-180° | 225.0 | 11.2 |
| 0°-180° | 2012.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 565 | 565 | 565 | 565 | 565 | |
| 5° | 568 | 566 | 560 | 565 | 564 | 54 |
| 15° | 543 | 545 | 544 | 551 | 551 | 153 |
| 25° | 496 | 502 | 508 | 519 | 519 | 229 |
| 35° | 432 | 443 | 456 | 468 | 472 | 270 |
| 45° | 355 | 372 | 393 | 410 | 415 | 274 |
| 55° | 270 | 292 | 319 | 339 | 346 | 242 |
| 65° | 183 | 207 | 239 | 261 | 268 | 181 |
| 75° | 96 | 121 | 156 | 181 | 189 | 101 |
| 85° | 21 | 50 | 85 | 108 | 116 | 24 |
| 90° | 0 | 28 | 59 | 82 | 90 | 1 |
| 95° | 0 | 27 | 57 | 78 | 86 | 0 |
| 105° | 0 | 22 | 54 | 73 | 80 | 1 |
| 115° | 1 | 20 | 45 | 65 | 73 | 1 |
| 125° | 1 | 16 | 38 | 56 | 63 | 1 |
| 135° | 1 | 13 | 32 | 45 | 51 | 1 |
| 145° | 1 | 9 | 22 | 35 | 38 | 1 |
| 155° | 1 | 6 | 14 | 22 | 26 | 1 |
| 165° | 1 | 4 | 7 | 10 | 13 | 0 |
| 175° | 1 | 1 | 2 | 2 | 1 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P565631

CATALOG NUMBER: 2SNX-25SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 565.2 | 565.2 | 565.2 | 565.2 | 565.2 |
| 2.5° | 568.7 | 567.5 | 561.7 | 566.3 | 564.0 |
| 5° | 567.5 | 566.3 | 560.5 | 565.2 | 564.0 |
| 7.5° | 562.8 | 562.8 | 559.3 | 564.0 | 562.8 |
| 10° | 558.2 | 558.2 | 554.7 | 560.5 | 559.3 |
| 12.5° | 551.2 | 552.4 | 550.0 | 557.0 | 555.9 |
| 15° | 543.0 | 545.4 | 544.2 | 551.2 | 551.2 |
| 17.5° | 533.7 | 536.0 | 536.0 | 544.2 | 544.2 |
| 20° | 522.1 | 525.6 | 527.9 | 537.2 | 537.2 |
| 22.5° | 510.4 | 515.1 | 518.6 | 526.7 | 530.2 |
| 25° | 496.4 | 502.2 | 508.1 | 518.6 | 518.6 |
| 27.5° | 482.4 | 489.4 | 496.4 | 506.9 | 508.1 |
| 30° | 466.1 | 474.3 | 483.6 | 494.1 | 496.4 |
| 32.5° | 449.8 | 460.3 | 469.6 | 482.4 | 485.9 |
| 35° | 432.3 | 442.8 | 455.6 | 468.5 | 472.0 |
| 37.5° | 412.5 | 425.3 | 441.7 | 455.6 | 459.1 |
| 40° | 395.0 | 409.0 | 425.3 | 441.7 | 445.1 |
| 42.5° | 375.2 | 390.4 | 410.2 | 425.3 | 431.2 |
| 45° | 355.4 | 371.7 | 392.7 | 410.2 | 414.9 |
| 47.5° | 334.4 | 353.1 | 376.4 | 392.7 | 398.5 |
| 50° | 313.5 | 333.3 | 357.8 | 376.4 | 381.1 |
| 52.5° | 292.5 | 313.5 | 339.1 | 357.8 | 363.6 |
| 55° | 270.4 | 292.5 | 319.3 | 339.1 | 346.1 |
| 57.5° | 249.4 | 271.5 | 299.5 | 320.5 | 327.5 |
| 60° | 226.1 | 251.7 | 279.7 | 300.7 | 308.8 |
| 62.5° | 206.3 | 229.6 | 259.9 | 280.8 | 287.8 |
| 65° | 183.0 | 207.4 | 238.9 | 261.0 | 268.0 |
| 67.5° | 160.8 | 186.4 | 217.9 | 241.2 | 248.2 |
| 70° | 138.7 | 164.3 | 198.1 | 220.2 | 228.4 |
| 72.5° | 116.5 | 143.3 | 176.0 | 200.4 | 208.6 |
| 75° | 95.6 | 121.2 | 156.2 | 180.6 | 188.8 |
| 77.5° | 73.4 | 101.4 | 136.3 | 160.8 | 170.1 |
| 80° | 53.6 | 82.7 | 117.7 | 142.2 | 151.5 |
| 82.5° | 36.1 | 65.3 | 100.2 | 124.7 | 134.0 |
| 85° | 21.0 | 50.1 | 85.1 | 108.4 | 116.5 |
| 87.5° | 10.5 | 38.5 | 71.1 | 94.4 | 102.5 |
| 90° | 0.0 | 28.0 | 59.4 | 81.6 | 89.7 |
| 92.5° | 0.0 | 26.8 | 58.3 | 79.2 | 87.4 |
| 95° | 0.0 | 26.8 | 57.1 | 78.1 | 86.2 |
| 97.5° | 0.0 | 25.6 | 55.9 | 78.1 | 85.1 |
| 100° | 0.0 | 24.5 | 55.9 | 76.9 | 83.9 |
| 102.5° | 0.0 | 23.3 | 54.8 | 75.7 | 82.7 |
| 105° | 0.0 | 22.1 | 53.6 | 73.4 | 80.4 |
| 107.5° | 1.2 | 22.1 | 51.3 | 72.2 | 79.2 |
| 110° | 1.2 | 21.0 | 48.9 | 71.1 | 78.1 |



TEST NUMBER: P565631

CATALOG NUMBER: 2SNX-25SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 1.2 | 19.8 | 46.6 | 68.8 | 75.7 |
| 115° | 1.2 | 19.8 | 45.4 | 65.3 | 73.4 |
| 117.5° | 1.2 | 18.6 | 43.1 | 62.9 | 71.1 |
| 120° | 1.2 | 18.6 | 42.0 | 60.6 | 67.6 |
| 122.5° | 1.2 | 17.5 | 39.6 | 58.3 | 65.3 |
| 125° | 1.2 | 16.3 | 38.5 | 55.9 | 62.9 |
| 127.5° | 1.2 | 15.1 | 37.3 | 53.6 | 60.6 |
| 130° | 1.2 | 14.0 | 35.0 | 51.3 | 57.1 |
| 132.5° | 1.2 | 14.0 | 33.8 | 47.8 | 54.8 |
| 135° | 1.2 | 12.8 | 31.5 | 45.4 | 51.3 |
| 137.5° | 1.2 | 11.7 | 29.1 | 43.1 | 48.9 |
| 140° | 1.2 | 10.5 | 26.8 | 40.8 | 45.4 |
| 142.5° | 1.2 | 10.5 | 24.5 | 37.3 | 42.0 |
| 145° | 1.2 | 9.3 | 22.1 | 35.0 | 38.5 |
| 147.5° | 1.2 | 8.2 | 19.8 | 31.5 | 35.0 |
| 150° | 1.2 | 8.2 | 17.5 | 28.0 | 31.5 |
| 152.5° | 1.2 | 7.0 | 15.1 | 25.6 | 29.1 |
| 155° | 1.2 | 5.8 | 14.0 | 22.1 | 25.6 |
| 157.5° | 1.2 | 5.8 | 11.7 | 18.6 | 22.1 |
| 160° | 1.2 | 4.7 | 10.5 | 15.1 | 18.6 |
| 162.5° | 1.2 | 4.7 | 9.3 | 12.8 | 16.3 |
| 165° | 1.2 | 3.5 | 7.0 | 10.5 | 12.8 |
| 167.5° | 1.2 | 3.5 | 5.8 | 8.2 | 10.5 |
| 170° | 1.2 | 2.3 | 4.7 | 5.8 | 8.2 |
| 172.5° | 1.2 | 2.3 | 3.5 | 3.5 | 3.5 |
| 175° | 1.2 | 1.2 | 2.3 | 2.3 | 1.2 |
| 177.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 180° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |

(END OF REPORT)