

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: P567119

Luminaire Tested: **4SNX-SL3-SLW-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567119
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: 4SNX-SL3-SLW-UNV-CC83-CD-3500K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

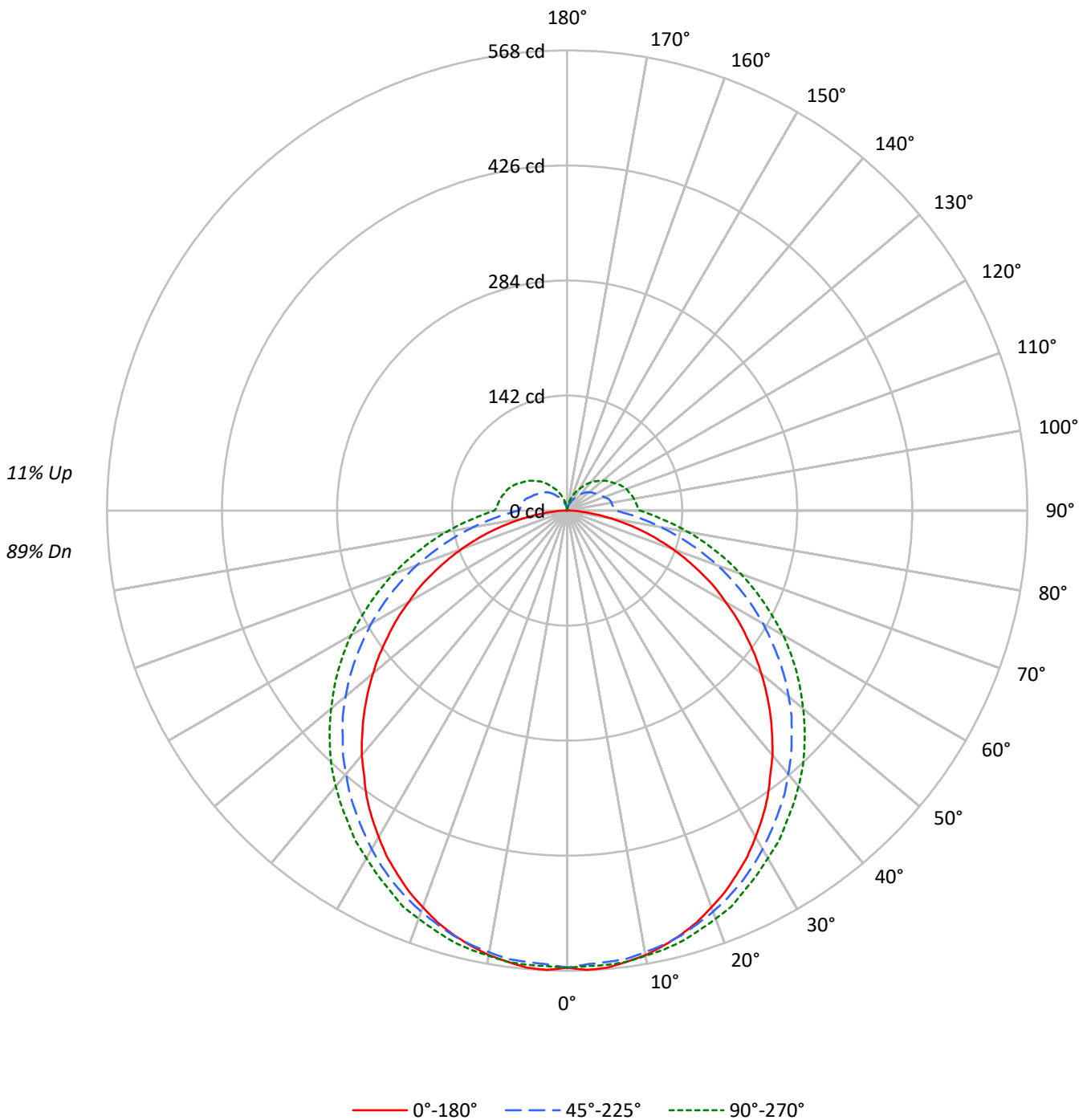
Lumens per Lamp: N/A
Luminaire Lumens: 2008.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 16.731
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

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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° | 6072 | 6072 | 6072 |
| 5° | 6109 | 5915 | 5910 |
| 10° | 6067 | 5796 | 5764 |
| 15° | 6006 | 5673 | 5629 |
| 20° | 5923 | 5532 | 5479 |
| 25° | 5827 | 5395 | 5322 |
| 30° | 5714 | 5243 | 5167 |
| 35° | 5589 | 5087 | 5022 |
| 40° | 5446 | 4932 | 4883 |
| 45° | 5290 | 4775 | 4731 |
| 50° | 5112 | 4608 | 4563 |
| 55° | 4917 | 4410 | 4397 |
| 60° | 4688 | 4196 | 4213 |
| 65° | 4453 | 3956 | 3980 |
| 70° | 4121 | 3692 | 3751 |
| 75° | 3682 | 3356 | 3499 |
| 80° | 2967 | 3016 | 3251 |
| 85° | 2086 | 2723 | 2996 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.6 | 2.7 |
| 10°-20° | 154.0 | 7.7 |
| 20°-30° | 234.1 | 11.7 |
| 30°-40° | 284.2 | 14.2 |
| 40°-50° | 300.3 | 15.0 |
| 50°-60° | 281.0 | 14.0 |
| 60°-70° | 230.6 | 11.5 |
| 70°-80° | 158.6 | 7.9 |
| 80°-90° | 86.9 | 4.3 |
| 90°-100° | 55.9 | 2.8 |
| 100°-110° | 50.2 | 2.5 |
| 110°-120° | 41.5 | 2.1 |
| 120°-130° | 32.0 | 1.6 |
| 130°-140° | 22.5 | 1.1 |
| 140°-150° | 13.5 | 0.7 |
| 150°-160° | 6.5 | 0.3 |
| 160°-170° | 2.1 | 0.1 |
| 170°-180° | 0.3 | 0.0 |
| 0°-30° | 441.7 | 22.0 |
| 0°-40° | 725.9 | 36.2 |
| 0°-60° | 1307.3 | 65.1 |
| 0°-90° | 1783.4 | 88.8 |
| 90°-120° | 147.7 | 7.4 |
| 90°-150° | 215.7 | 10.7 |
| 90°-180° | 225.0 | 11.2 |
| 0°-180° | 2008.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 564 | 564 | 564 | 564 | 564 | |
| 5° | 566 | 565 | 559 | 564 | 563 | 54 |
| 15° | 542 | 544 | 543 | 550 | 550 | 153 |
| 25° | 495 | 501 | 507 | 518 | 518 | 228 |
| 35° | 432 | 442 | 455 | 468 | 471 | 270 |
| 45° | 355 | 371 | 392 | 409 | 414 | 273 |
| 55° | 270 | 292 | 319 | 338 | 345 | 241 |
| 65° | 183 | 207 | 238 | 260 | 268 | 181 |
| 75° | 95 | 121 | 156 | 180 | 188 | 100 |
| 85° | 21 | 50 | 85 | 108 | 116 | 24 |
| 90° | 0 | 28 | 59 | 81 | 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 | 31 | 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: P567119

CATALOG NUMBER: 4SNX-SL3-SLW-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 564.1 | 564.1 | 564.1 | 564.1 | 564.1 |
| 2.5° | 567.5 | 566.4 | 560.6 | 565.2 | 562.9 |
| 5° | 566.4 | 565.2 | 559.4 | 564.1 | 562.9 |
| 7.5° | 561.7 | 561.7 | 558.2 | 562.9 | 561.7 |
| 10° | 557.1 | 557.1 | 553.6 | 559.4 | 558.2 |
| 12.5° | 550.1 | 551.3 | 548.9 | 555.9 | 554.7 |
| 15° | 542.0 | 544.3 | 543.1 | 550.1 | 550.1 |
| 17.5° | 532.7 | 535.0 | 535.0 | 543.1 | 543.1 |
| 20° | 521.0 | 524.5 | 526.8 | 536.1 | 536.1 |
| 22.5° | 509.4 | 514.0 | 517.5 | 525.7 | 529.2 |
| 25° | 495.4 | 501.3 | 507.1 | 517.5 | 517.5 |
| 27.5° | 481.5 | 488.5 | 495.4 | 505.9 | 507.1 |
| 30° | 465.2 | 473.3 | 482.6 | 493.1 | 495.4 |
| 32.5° | 448.9 | 459.4 | 468.7 | 481.5 | 485.0 |
| 35° | 431.5 | 441.9 | 454.7 | 467.5 | 471.0 |
| 37.5° | 411.7 | 424.5 | 440.8 | 454.7 | 458.2 |
| 40° | 394.3 | 408.2 | 424.5 | 440.8 | 444.3 |
| 42.5° | 374.5 | 389.6 | 409.4 | 424.5 | 430.3 |
| 45° | 354.7 | 371.0 | 391.9 | 409.4 | 414.0 |
| 47.5° | 333.8 | 352.4 | 375.6 | 391.9 | 397.7 |
| 50° | 312.8 | 332.6 | 357.0 | 375.6 | 380.3 |
| 52.5° | 291.9 | 312.8 | 338.4 | 357.0 | 362.9 |
| 55° | 269.8 | 291.9 | 318.7 | 338.4 | 345.4 |
| 57.5° | 248.9 | 271.0 | 298.9 | 319.8 | 326.8 |
| 60° | 225.6 | 251.2 | 279.1 | 300.1 | 308.2 |
| 62.5° | 205.8 | 229.1 | 259.3 | 280.3 | 287.3 |
| 65° | 182.6 | 207.0 | 238.4 | 260.5 | 267.5 |
| 67.5° | 160.5 | 186.1 | 217.5 | 240.7 | 247.7 |
| 70° | 138.4 | 164.0 | 197.7 | 219.8 | 227.9 |
| 72.5° | 116.3 | 143.0 | 175.6 | 200.0 | 208.2 |
| 75° | 95.4 | 121.0 | 155.8 | 180.3 | 188.4 |
| 77.5° | 73.3 | 101.2 | 136.1 | 160.5 | 169.8 |
| 80° | 53.5 | 82.6 | 117.5 | 141.9 | 151.2 |
| 82.5° | 36.1 | 65.1 | 100.0 | 124.4 | 133.7 |
| 85° | 20.9 | 50.0 | 84.9 | 108.2 | 116.3 |
| 87.5° | 10.5 | 38.4 | 70.9 | 94.2 | 102.3 |
| 90° | 0.0 | 27.9 | 59.3 | 81.4 | 89.6 |
| 92.5° | 0.0 | 26.7 | 58.1 | 79.1 | 87.2 |
| 95° | 0.0 | 26.7 | 57.0 | 77.9 | 86.1 |
| 97.5° | 0.0 | 25.6 | 55.8 | 77.9 | 84.9 |
| 100° | 0.0 | 24.4 | 55.8 | 76.8 | 83.7 |
| 102.5° | 0.0 | 23.3 | 54.7 | 75.6 | 82.6 |
| 105° | 0.0 | 22.1 | 53.5 | 73.3 | 80.2 |
| 107.5° | 1.2 | 22.1 | 51.2 | 72.1 | 79.1 |
| 110° | 1.2 | 20.9 | 48.8 | 70.9 | 77.9 |



TEST NUMBER: P567119

CATALOG NUMBER: 4SNX-SL3-SLW-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 1.2 | 19.8 | 46.5 | 68.6 | 75.6 |
| 115° | 1.2 | 19.8 | 45.4 | 65.1 | 73.3 |
| 117.5° | 1.2 | 18.6 | 43.0 | 62.8 | 70.9 |
| 120° | 1.2 | 18.6 | 41.9 | 60.5 | 67.5 |
| 122.5° | 1.2 | 17.4 | 39.5 | 58.1 | 65.1 |
| 125° | 1.2 | 16.3 | 38.4 | 55.8 | 62.8 |
| 127.5° | 1.2 | 15.1 | 37.2 | 53.5 | 60.5 |
| 130° | 1.2 | 14.0 | 34.9 | 51.2 | 57.0 |
| 132.5° | 1.2 | 14.0 | 33.7 | 47.7 | 54.7 |
| 135° | 1.2 | 12.8 | 31.4 | 45.4 | 51.2 |
| 137.5° | 1.2 | 11.6 | 29.1 | 43.0 | 48.8 |
| 140° | 1.2 | 10.5 | 26.7 | 40.7 | 45.4 |
| 142.5° | 1.2 | 10.5 | 24.4 | 37.2 | 41.9 |
| 145° | 1.2 | 9.3 | 22.1 | 34.9 | 38.4 |
| 147.5° | 1.2 | 8.1 | 19.8 | 31.4 | 34.9 |
| 150° | 1.2 | 8.1 | 17.4 | 27.9 | 31.4 |
| 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 | 11.6 | 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 | 8.1 | 10.5 |
| 170° | 1.2 | 2.3 | 4.7 | 5.8 | 8.1 |
| 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)