

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: P567050

Luminaire Tested: **4SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

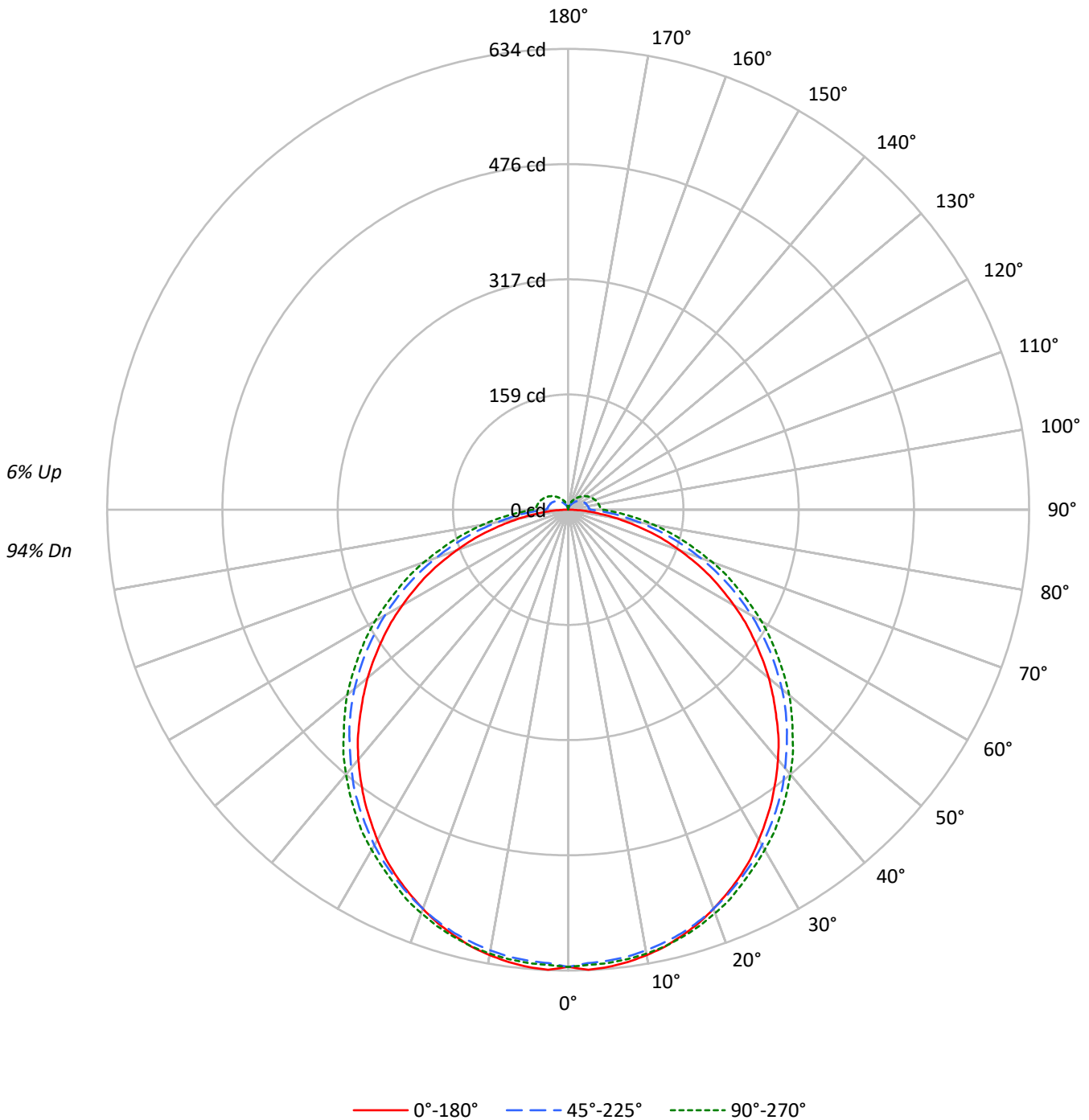
Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 16.137
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





TEST NUMBER: P567050

CATALOG NUMBER: 4SNX-SL3-FDL-UNV-CC83-CD-4000K-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 97 | 97 | 97 | 94 |
| 1 | 107 | 102 | 97 | 93 | 103 | 99 | 95 | 91 | 93 | 90 | 87 | 88 | 86 | 83 | 84 | 82 | 80 | 77 |
| 2 | 97 | 88 | 81 | 75 | 93 | 86 | 79 | 74 | 81 | 76 | 71 | 77 | 73 | 69 | 73 | 69 | 66 | 64 |
| 3 | 88 | 77 | 69 | 62 | 85 | 75 | 67 | 61 | 71 | 65 | 59 | 68 | 62 | 57 | 64 | 60 | 56 | 53 |
| 4 | 80 | 68 | 59 | 52 | 78 | 66 | 58 | 52 | 63 | 56 | 50 | 60 | 54 | 49 | 57 | 52 | 48 | 45 |
| 5 | 74 | 61 | 52 | 45 | 71 | 59 | 51 | 44 | 56 | 49 | 43 | 54 | 47 | 42 | 51 | 46 | 41 | 39 |
| 6 | 68 | 55 | 46 | 39 | 66 | 53 | 45 | 39 | 51 | 43 | 38 | 49 | 42 | 37 | 47 | 41 | 36 | 34 |
| 7 | 63 | 49 | 41 | 34 | 61 | 48 | 40 | 34 | 46 | 39 | 33 | 44 | 38 | 33 | 43 | 37 | 32 | 30 |
| 8 | 59 | 45 | 36 | 31 | 57 | 44 | 36 | 30 | 42 | 35 | 30 | 41 | 34 | 29 | 39 | 33 | 29 | 27 |
| 9 | 55 | 41 | 33 | 27 | 53 | 40 | 33 | 27 | 39 | 32 | 27 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |
| 10 | 51 | 38 | 30 | 25 | 50 | 37 | 30 | 25 | 36 | 29 | 24 | 35 | 28 | 24 | 33 | 28 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6771 | 6771 | 6771 |
| 5° | 6817 | 6659 | 6669 |
| 10° | 6789 | 6586 | 6585 |
| 15° | 6739 | 6504 | 6491 |
| 20° | 6669 | 6402 | 6380 |
| 25° | 6589 | 6292 | 6250 |
| 30° | 6481 | 6179 | 6128 |
| 35° | 6373 | 6047 | 6002 |
| 40° | 6253 | 5901 | 5860 |
| 45° | 6102 | 5756 | 5695 |
| 50° | 5955 | 5591 | 5544 |
| 55° | 5773 | 5387 | 5334 |
| 60° | 5570 | 5153 | 5127 |
| 65° | 5354 | 4875 | 4843 |
| 70° | 4981 | 4526 | 4546 |
| 75° | 4536 | 4113 | 4192 |
| 80° | 3875 | 3567 | 3802 |
| 85° | 3046 | 3094 | 3342 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.7 | 3.0 |
| 10°-20° | 171.2 | 8.6 |
| 20°-30° | 259.4 | 13.0 |
| 30°-40° | 313.2 | 15.7 |
| 40°-50° | 327.0 | 16.4 |
| 50°-60° | 300.4 | 15.0 |
| 60°-70° | 237.6 | 11.9 |
| 70°-80° | 150.4 | 7.5 |
| 80°-90° | 64.6 | 3.2 |
| 90°-100° | 28.5 | 1.4 |
| 100°-110° | 25.5 | 1.3 |
| 110°-120° | 21.5 | 1.1 |
| 120°-130° | 16.8 | 0.8 |
| 130°-140° | 11.6 | 0.6 |
| 140°-150° | 7.0 | 0.3 |
| 150°-160° | 3.4 | 0.2 |
| 160°-170° | 1.2 | 0.1 |
| 170°-180° | 0.2 | 0.0 |
| 0°-30° | 490.3 | 24.5 |
| 0°-40° | 803.4 | 40.2 |
| 0°-60° | 1430.9 | 71.6 |
| 0°-90° | 1883.5 | 94.2 |
| 90°-120° | 75.4 | 3.8 |
| 90°-150° | 110.8 | 5.5 |
| 90°-180° | 116.0 | 5.8 |
| 0°-180° | 1999.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 629 | 629 | 629 | 629 | 629 | |
| 5° | 632 | 630 | 623 | 628 | 626 | 60 |
| 15° | 606 | 606 | 603 | 610 | 608 | 171 |
| 25° | 558 | 560 | 561 | 568 | 567 | 257 |
| 35° | 488 | 494 | 500 | 508 | 510 | 305 |
| 45° | 405 | 415 | 426 | 434 | 436 | 313 |
| 55° | 312 | 325 | 338 | 349 | 352 | 279 |
| 65° | 215 | 227 | 243 | 254 | 258 | 212 |
| 75° | 113 | 127 | 145 | 158 | 164 | 120 |
| 85° | 28 | 42 | 61 | 74 | 79 | 31 |
| 90° | 2 | 15 | 31 | 44 | 48 | 2 |
| 95° | 0 | 13 | 28 | 40 | 44 | 0 |
| 105° | 0 | 12 | 26 | 37 | 41 | 0 |
| 115° | 0 | 10 | 24 | 34 | 37 | 0 |
| 125° | 1 | 9 | 20 | 29 | 32 | 1 |
| 135° | 1 | 7 | 16 | 23 | 26 | 1 |
| 145° | 1 | 5 | 11 | 17 | 19 | 0 |
| 155° | 1 | 4 | 7 | 11 | 13 | 0 |
| 165° | 1 | 2 | 4 | 5 | 7 | 0 |
| 175° | 1 | 1 | 2 | 2 | 1 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P567050

CATALOG NUMBER: 4SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 629.0 | 629.0 | 629.0 | 629.0 | 629.0 |
| 2.5° | 633.6 | 631.5 | 624.4 | 629.4 | 626.9 |
| 5° | 631.5 | 629.8 | 623.0 | 628.3 | 626.2 |
| 7.5° | 627.6 | 626.2 | 620.2 | 625.9 | 623.7 |
| 10° | 622.3 | 621.3 | 615.9 | 621.6 | 620.2 |
| 12.5° | 615.6 | 615.2 | 609.9 | 616.3 | 615.2 |
| 15° | 606.4 | 606.4 | 603.2 | 609.6 | 608.5 |
| 17.5° | 596.5 | 596.8 | 594.4 | 601.1 | 600.4 |
| 20° | 584.4 | 586.2 | 584.4 | 591.5 | 590.8 |
| 22.5° | 571.3 | 573.8 | 573.1 | 580.2 | 580.6 |
| 25° | 557.5 | 560.0 | 560.7 | 568.2 | 567.1 |
| 27.5° | 542.3 | 546.2 | 547.6 | 554.4 | 554.0 |
| 30° | 524.6 | 529.9 | 533.1 | 538.8 | 540.5 |
| 32.5° | 506.6 | 512.9 | 516.8 | 524.6 | 526.7 |
| 35° | 488.5 | 494.2 | 500.5 | 508.3 | 510.1 |
| 37.5° | 468.7 | 475.1 | 483.6 | 491.0 | 493.1 |
| 40° | 448.9 | 455.9 | 464.1 | 472.2 | 475.4 |
| 42.5° | 428.3 | 435.8 | 444.6 | 454.2 | 457.4 |
| 45° | 405.0 | 414.9 | 425.5 | 433.6 | 436.5 |
| 47.5° | 382.7 | 393.6 | 405.0 | 413.8 | 417.0 |
| 50° | 360.0 | 371.7 | 383.7 | 391.9 | 396.8 |
| 52.5° | 336.3 | 349.0 | 361.1 | 371.3 | 374.5 |
| 55° | 312.2 | 325.0 | 338.4 | 349.4 | 351.9 |
| 57.5° | 288.9 | 301.2 | 314.7 | 325.0 | 329.9 |
| 60° | 263.4 | 276.8 | 291.3 | 301.6 | 306.9 |
| 62.5° | 238.6 | 251.7 | 267.3 | 278.2 | 282.5 |
| 65° | 214.9 | 226.9 | 242.8 | 254.2 | 258.1 |
| 67.5° | 188.7 | 202.5 | 217.7 | 230.8 | 235.8 |
| 70° | 162.8 | 175.9 | 193.3 | 205.7 | 210.6 |
| 72.5° | 138.8 | 151.5 | 168.9 | 181.2 | 185.8 |
| 75° | 113.3 | 126.7 | 145.1 | 157.5 | 163.5 |
| 77.5° | 88.9 | 103.7 | 121.4 | 134.9 | 141.6 |
| 80° | 66.2 | 79.3 | 98.4 | 113.3 | 119.3 |
| 82.5° | 45.0 | 59.1 | 78.9 | 92.7 | 99.5 |
| 85° | 27.6 | 42.5 | 60.9 | 74.0 | 78.6 |
| 87.5° | 13.1 | 27.3 | 44.2 | 57.0 | 62.7 |
| 90° | 1.8 | 15.2 | 31.2 | 43.5 | 48.1 |
| 92.5° | 0.4 | 13.1 | 28.7 | 40.4 | 44.6 |
| 95° | 0.4 | 13.1 | 28.3 | 39.6 | 43.9 |
| 97.5° | 0.4 | 12.7 | 28.0 | 39.3 | 43.2 |
| 100° | 0.4 | 12.4 | 27.6 | 38.6 | 42.8 |
| 102.5° | 0.4 | 12.4 | 26.9 | 37.9 | 41.8 |
| 105° | 0.4 | 12.0 | 26.5 | 37.2 | 41.1 |
| 107.5° | 0.4 | 11.7 | 25.8 | 36.5 | 40.4 |
| 110° | 0.4 | 11.0 | 25.5 | 35.4 | 39.3 |



TEST NUMBER: P567050

CATALOG NUMBER: 4SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 0.4 | 10.6 | 24.8 | 34.7 | 38.2 |
| 115° | 0.4 | 10.3 | 24.1 | 33.6 | 37.2 |
| 117.5° | 0.4 | 9.9 | 23.0 | 32.6 | 36.1 |
| 120° | 0.7 | 9.9 | 22.3 | 31.5 | 34.7 |
| 122.5° | 0.7 | 9.6 | 21.2 | 30.1 | 33.3 |
| 125° | 0.7 | 9.2 | 20.2 | 29.0 | 32.2 |
| 127.5° | 0.7 | 8.8 | 19.1 | 27.6 | 30.4 |
| 130° | 0.7 | 8.1 | 18.4 | 26.2 | 29.0 |
| 132.5° | 0.7 | 7.8 | 17.3 | 24.4 | 27.3 |
| 135° | 0.7 | 7.1 | 16.3 | 23.0 | 25.8 |
| 137.5° | 0.7 | 6.7 | 15.2 | 21.6 | 24.1 |
| 140° | 0.7 | 6.4 | 13.8 | 20.2 | 22.7 |
| 142.5° | 0.7 | 5.7 | 12.7 | 18.8 | 20.9 |
| 145° | 0.7 | 5.3 | 11.3 | 17.3 | 19.1 |
| 147.5° | 0.7 | 4.6 | 10.3 | 15.9 | 17.7 |
| 150° | 0.7 | 4.2 | 9.2 | 14.5 | 16.3 |
| 152.5° | 0.7 | 3.9 | 8.1 | 12.7 | 14.5 |
| 155° | 0.7 | 3.5 | 7.4 | 11.0 | 13.1 |
| 157.5° | 0.7 | 3.2 | 6.4 | 9.6 | 11.7 |
| 160° | 1.1 | 2.8 | 5.7 | 8.1 | 9.9 |
| 162.5° | 1.1 | 2.5 | 4.6 | 6.7 | 8.8 |
| 165° | 1.1 | 2.5 | 3.9 | 5.3 | 7.4 |
| 167.5° | 1.1 | 2.1 | 3.2 | 4.2 | 6.0 |
| 170° | 1.1 | 1.8 | 2.8 | 3.2 | 4.6 |
| 172.5° | 1.1 | 1.4 | 2.1 | 2.1 | 2.5 |
| 175° | 1.1 | 1.4 | 1.8 | 1.8 | 1.1 |
| 177.5° | 1.1 | 1.1 | 1.1 | 1.1 | 0.7 |
| 180° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |

(END OF REPORT)