

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: P565881

Luminaire Tested: **2SNX-SL3-LN-UNV-CC93-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-SL3-LN-UNV-CC93-CD-3500K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

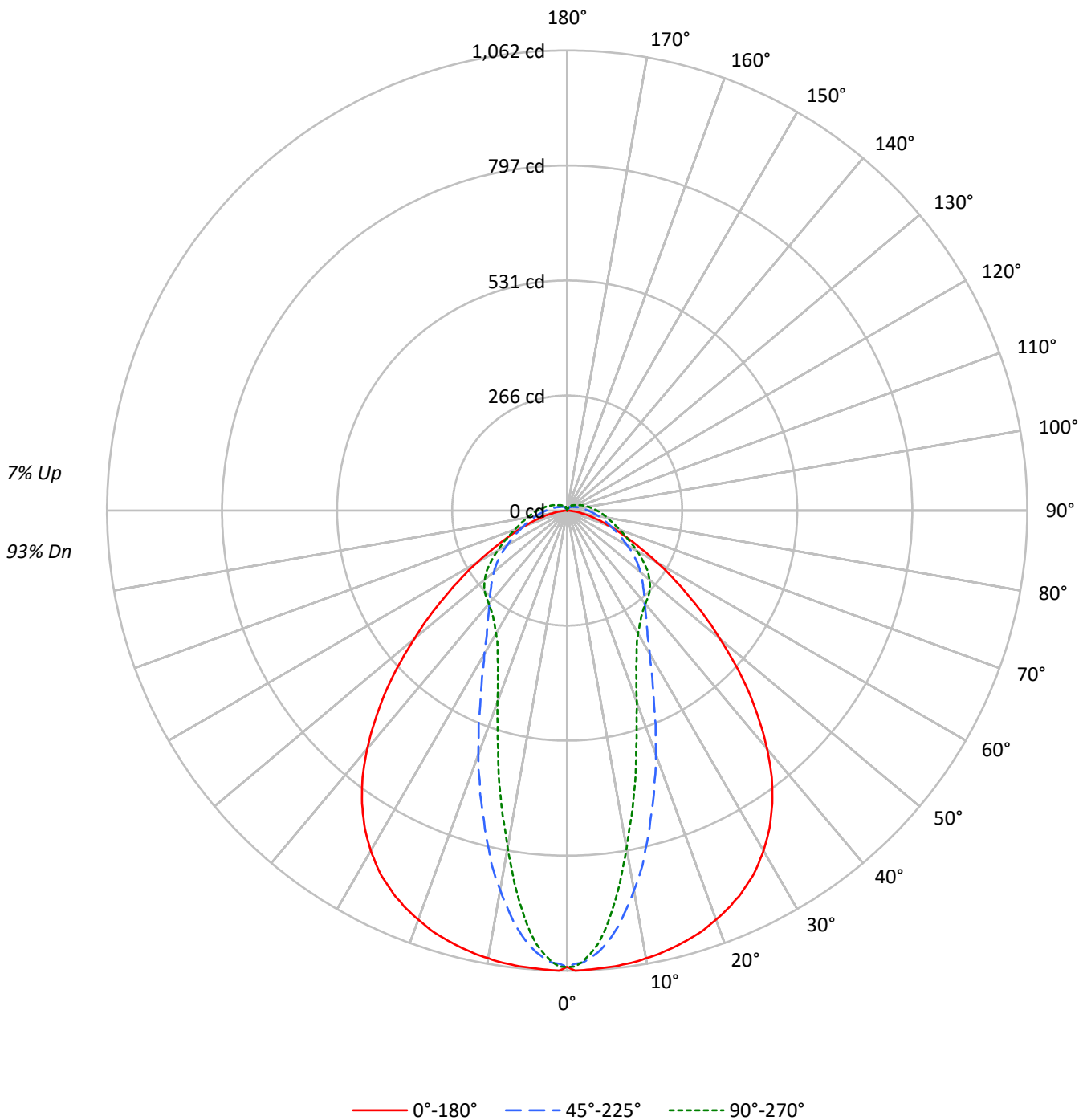
Lumens per Lamp: N/A
Luminaire Lumens: 1679.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.86
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: P565881

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC93-CD-3500K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P565881

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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 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 | | | | |
| 1 | 107 | 103 | 99 | 95 | 104 | 100 | 96 | 93 | 94 | 91 | 88 | 89 | 87 | 85 | 85 | 83 | 81 | 78 | | | | |
| 2 | 99 | 91 | 84 | 79 | 95 | 88 | 82 | 77 | 84 | 79 | 75 | 79 | 75 | 72 | 76 | 72 | 69 | 67 | | | | |
| 3 | 91 | 81 | 73 | 67 | 88 | 79 | 72 | 66 | 75 | 69 | 64 | 71 | 66 | 62 | 68 | 64 | 60 | 58 | | | | |
| 4 | 84 | 73 | 64 | 58 | 81 | 71 | 63 | 57 | 67 | 61 | 56 | 64 | 59 | 54 | 62 | 57 | 53 | 51 | | | | |
| 5 | 78 | 66 | 57 | 51 | 75 | 64 | 56 | 51 | 61 | 55 | 49 | 59 | 53 | 48 | 56 | 51 | 47 | 45 | | | | |
| 6 | 72 | 60 | 51 | 45 | 70 | 59 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 43 | 52 | 46 | 42 | 40 | | | | |
| 7 | 67 | 55 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 45 | 40 | 50 | 44 | 39 | 48 | 42 | 38 | 36 | | | | |
| 8 | 63 | 51 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 41 | 36 | 46 | 40 | 36 | 44 | 39 | 35 | 33 | | | | |
| 9 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 44 | 38 | 33 | 43 | 37 | 33 | 41 | 36 | 32 | 30 | | | | |
| 10 | 56 | 44 | 36 | 31 | 54 | 43 | 36 | 31 | 41 | 35 | 31 | 40 | 34 | 30 | 39 | 34 | 30 | 28 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 22675 | 22675 | 22675 |
| 5° | 22711 | 20790 | 19943 |
| 10° | 22597 | 17784 | 15474 |
| 15° | 22502 | 14476 | 11597 |
| 20° | 22344 | 11506 | 8680 |
| 25° | 22051 | 8998 | 6887 |
| 30° | 21495 | 7268 | 5875 |
| 35° | 20496 | 6138 | 5345 |
| 40° | 18859 | 5408 | 5059 |
| 45° | 16668 | 4936 | 4903 |
| 50° | 14020 | 4533 | 4630 |
| 55° | 11421 | 4096 | 4230 |
| 60° | 9037 | 3593 | 3711 |
| 65° | 6919 | 3146 | 3229 |
| 70° | 5275 | 2772 | 2856 |
| 75° | 3965 | 2482 | 2602 |
| 80° | 2669 | 2258 | 2419 |
| 85° | 1341 | 2092 | 2321 |



TEST NUMBER: P565881

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 93.3 | 5.6 |
| 10°-20° | 218.6 | 13.0 |
| 20°-30° | 259.5 | 15.5 |
| 30°-40° | 261.1 | 15.6 |
| 40°-50° | 242.7 | 14.5 |
| 50°-60° | 199.9 | 11.9 |
| 60°-70° | 140.8 | 8.4 |
| 70°-80° | 92.0 | 5.5 |
| 80°-90° | 58.7 | 3.5 |
| 90°-100° | 38.5 | 2.3 |
| 100°-110° | 26.2 | 1.6 |
| 110°-120° | 17.9 | 1.1 |
| 120°-130° | 12.4 | 0.7 |
| 130°-140° | 8.3 | 0.5 |
| 140°-150° | 5.1 | 0.3 |
| 150°-160° | 2.7 | 0.2 |
| 160°-170° | 1.0 | 0.1 |
| 170°-180° | 0.2 | 0.0 |
| 0°-30° | 571.4 | 34.0 |
| 0°-40° | 832.6 | 49.6 |
| 0°-60° | 1275.1 | 75.9 |
| 0°-90° | 1566.7 | 93.3 |
| 90°-120° | 82.6 | 4.9 |
| 90°-150° | 108.5 | 6.5 |
| 90°-180° | 112.0 | 6.7 |
| 0°-180° | 1679.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1053 | 1053 | 1053 | 1053 | 1053 | |
| 5° | 1059 | 1044 | 1007 | 987 | 977 | 101 |
| 15° | 1032 | 922 | 742 | 648 | 613 | 291 |
| 25° | 964 | 713 | 472 | 397 | 380 | 444 |
| 35° | 825 | 482 | 320 | 300 | 298 | 513 |
| 45° | 593 | 318 | 248 | 261 | 268 | 455 |
| 55° | 340 | 208 | 192 | 213 | 220 | 308 |
| 65° | 160 | 126 | 132 | 149 | 154 | 162 |
| 75° | 62 | 65 | 89 | 105 | 109 | 68 |
| 85° | 11 | 30 | 60 | 77 | 81 | 13 |
| 90° | 0 | 20 | 48 | 66 | 69 | 1 |
| 95° | 0 | 15 | 40 | 55 | 58 | 0 |
| 105° | 0 | 11 | 27 | 39 | 42 | 0 |
| 115° | 1 | 9 | 19 | 28 | 30 | 1 |
| 125° | 1 | 7 | 16 | 20 | 22 | 1 |
| 135° | 1 | 6 | 12 | 16 | 17 | 1 |
| 145° | 1 | 4 | 9 | 12 | 13 | 1 |
| 155° | 1 | 4 | 6 | 9 | 10 | 0 |
| 165° | 1 | 2 | 4 | 4 | 5 | 0 |
| 175° | 2 | 2 | 2 | 2 | 1 | 0 |
| 180° | 1 | 1 | 1 | 1 | 1 | |



TEST NUMBER: P565881

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC93-CD-3500K-MED

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1053.3 | 1053.3 | 1053.3 | 1053.3 | 1053.3 |
| 1° | 1062.1 | 1057.7 | 1046.2 | 1054.2 | 1052.4 |
| 2° | 1061.2 | 1056.8 | 1043.6 | 1047.1 | 1041.0 |
| 3° | 1060.3 | 1054.2 | 1033.9 | 1033.0 | 1024.2 |
| 4° | 1059.4 | 1049.8 | 1021.6 | 1011.0 | 1004.0 |
| 5° | 1058.6 | 1044.5 | 1006.7 | 987.3 | 976.7 |
| 6° | 1057.7 | 1038.3 | 987.3 | 958.3 | 943.3 |
| 7° | 1055.9 | 1028.6 | 967.1 | 927.5 | 908.1 |
| 8° | 1054.2 | 1019.8 | 941.5 | 894.0 | 870.3 |
| 9° | 1052.4 | 1008.4 | 916.0 | 857.9 | 829.8 |
| 10° | 1048.9 | 997.0 | 889.6 | 821.0 | 791.1 |
| 11° | 1047.1 | 983.8 | 864.1 | 785.8 | 750.6 |
| 12° | 1043.6 | 969.7 | 836.8 | 748.8 | 718.0 |
| 13° | 1040.1 | 954.7 | 803.4 | 717.2 | 680.2 |
| 14° | 1036.6 | 938.9 | 774.3 | 682.0 | 647.6 |
| 15° | 1032.2 | 922.2 | 741.8 | 648.5 | 613.3 |
| 16° | 1027.8 | 902.8 | 712.8 | 614.2 | 577.2 |
| 17° | 1023.4 | 884.3 | 685.5 | 582.5 | 549.1 |
| 18° | 1018.1 | 865.9 | 653.8 | 551.7 | 519.2 |
| 19° | 1011.0 | 844.7 | 628.3 | 523.6 | 493.6 |
| 20° | 1004.9 | 825.4 | 599.2 | 497.2 | 470.8 |
| 21° | 997.9 | 801.6 | 570.2 | 472.5 | 446.1 |
| 22.5° | 987.3 | 768.2 | 533.2 | 441.7 | 417.1 |
| 23° | 982.0 | 758.5 | 518.3 | 430.3 | 409.2 |
| 24° | 975.0 | 733.0 | 493.6 | 412.7 | 391.6 |
| 25° | 964.4 | 712.8 | 472.5 | 396.9 | 380.1 |
| 26° | 954.7 | 688.1 | 451.4 | 382.8 | 366.1 |
| 27° | 945.1 | 664.4 | 432.9 | 367.8 | 353.7 |
| 28° | 932.7 | 639.7 | 412.7 | 355.5 | 343.2 |
| 29° | 919.5 | 616.8 | 396.0 | 344.9 | 335.3 |
| 30° | 906.3 | 591.3 | 381.9 | 335.3 | 327.3 |
| 32.5° | 869.4 | 535.0 | 345.8 | 316.8 | 311.5 |
| 35° | 825.4 | 482.2 | 320.3 | 300.1 | 298.3 |
| 37.5° | 776.1 | 433.8 | 297.4 | 286.9 | 288.6 |
| 40° | 718.0 | 389.8 | 278.1 | 277.2 | 280.7 |
| 42.5° | 656.4 | 352.0 | 263.1 | 269.3 | 274.5 |
| 45° | 593.1 | 317.7 | 248.1 | 261.3 | 268.4 |
| 47.5° | 527.1 | 287.7 | 234.9 | 251.7 | 259.6 |
| 50° | 460.2 | 258.7 | 220.9 | 240.2 | 248.1 |
| 52.5° | 400.4 | 233.2 | 206.8 | 227.0 | 235.8 |
| 55° | 340.5 | 208.5 | 191.8 | 212.9 | 220.0 |
| 57.5° | 288.6 | 185.7 | 176.0 | 197.1 | 202.4 |
| 60° | 240.2 | 163.7 | 160.1 | 179.5 | 185.7 |
| 62.5° | 196.2 | 144.3 | 145.2 | 163.7 | 169.8 |
| 65° | 160.1 | 125.8 | 132.0 | 148.7 | 154.0 |



TEST NUMBER: P565881

CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC93-CD-3500K-MED

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 67.5° | 130.2 | 108.2 | 118.8 | 136.4 | 140.8 |
| 70° | 103.0 | 92.4 | 108.2 | 124.1 | 128.5 |
| 72.5° | 81.8 | 78.3 | 97.7 | 114.4 | 117.9 |
| 75° | 62.5 | 65.1 | 88.9 | 104.7 | 109.1 |
| 77.5° | 44.9 | 54.6 | 80.1 | 96.8 | 100.3 |
| 80° | 31.7 | 44.9 | 73.0 | 89.8 | 93.3 |
| 82.5° | 20.2 | 37.0 | 66.0 | 83.6 | 87.1 |
| 85° | 10.6 | 29.9 | 59.8 | 77.4 | 81.0 |
| 87.5° | 4.4 | 24.6 | 53.7 | 71.3 | 74.8 |
| 90° | 0.0 | 20.2 | 48.4 | 66.0 | 68.6 |
| 92.5° | 0.0 | 17.6 | 44.0 | 60.7 | 63.4 |
| 95° | 0.0 | 15.0 | 40.5 | 55.4 | 58.1 |
| 97.5° | 0.0 | 14.1 | 36.1 | 51.0 | 53.7 |
| 100° | 0.0 | 12.3 | 32.6 | 46.6 | 50.2 |
| 102.5° | 0.0 | 11.4 | 29.9 | 42.2 | 45.8 |
| 105° | 0.0 | 10.6 | 27.3 | 38.7 | 42.2 |
| 107.5° | 0.0 | 9.7 | 25.5 | 36.1 | 38.7 |
| 110° | 0.0 | 9.7 | 22.9 | 33.4 | 36.1 |
| 112.5° | 0.9 | 8.8 | 21.1 | 29.9 | 32.6 |
| 115° | 0.9 | 8.8 | 19.4 | 28.2 | 29.9 |
| 117.5° | 0.9 | 8.8 | 18.5 | 25.5 | 27.3 |
| 120° | 0.9 | 7.9 | 17.6 | 23.8 | 25.5 |
| 122.5° | 0.9 | 7.9 | 16.7 | 22.0 | 22.9 |
| 125° | 0.9 | 7.0 | 15.8 | 20.2 | 22.0 |
| 127.5° | 0.9 | 7.0 | 15.0 | 19.4 | 20.2 |
| 130° | 0.9 | 7.0 | 14.1 | 17.6 | 19.4 |
| 132.5° | 0.9 | 6.2 | 13.2 | 16.7 | 17.6 |
| 135° | 0.9 | 6.2 | 12.3 | 15.8 | 16.7 |
| 137.5° | 0.9 | 5.3 | 11.4 | 15.0 | 15.8 |
| 140° | 0.9 | 5.3 | 10.6 | 14.1 | 15.0 |
| 142.5° | 0.9 | 4.4 | 9.7 | 13.2 | 14.1 |
| 145° | 0.9 | 4.4 | 8.8 | 12.3 | 13.2 |
| 147.5° | 0.9 | 4.4 | 7.9 | 11.4 | 12.3 |
| 150° | 0.9 | 3.5 | 7.0 | 10.6 | 11.4 |
| 152.5° | 0.9 | 3.5 | 6.2 | 9.7 | 10.6 |
| 155° | 0.9 | 3.5 | 6.2 | 8.8 | 9.7 |
| 157.5° | 0.9 | 2.6 | 5.3 | 7.0 | 8.8 |
| 160° | 0.9 | 2.6 | 4.4 | 6.2 | 7.9 |
| 162.5° | 0.9 | 2.6 | 4.4 | 5.3 | 6.2 |
| 165° | 0.9 | 1.8 | 3.5 | 4.4 | 5.3 |
| 167.5° | 0.9 | 1.8 | 2.6 | 3.5 | 4.4 |
| 170° | 0.9 | 1.8 | 2.6 | 2.6 | 3.5 |
| 172.5° | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 |
| 175° | 1.8 | 1.8 | 1.8 | 1.8 | 0.9 |
| 177.5° | 1.8 | 1.8 | 1.8 | 0.9 | 0.9 |



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CATALOG NUMBER: 2SNX-SL3-LN-UNV-CC93-CD-3500K-MED

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)