

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: P565771

Luminaire Tested: **2SNX-44HL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-44HL-SLW-UNV-L835-CD  
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

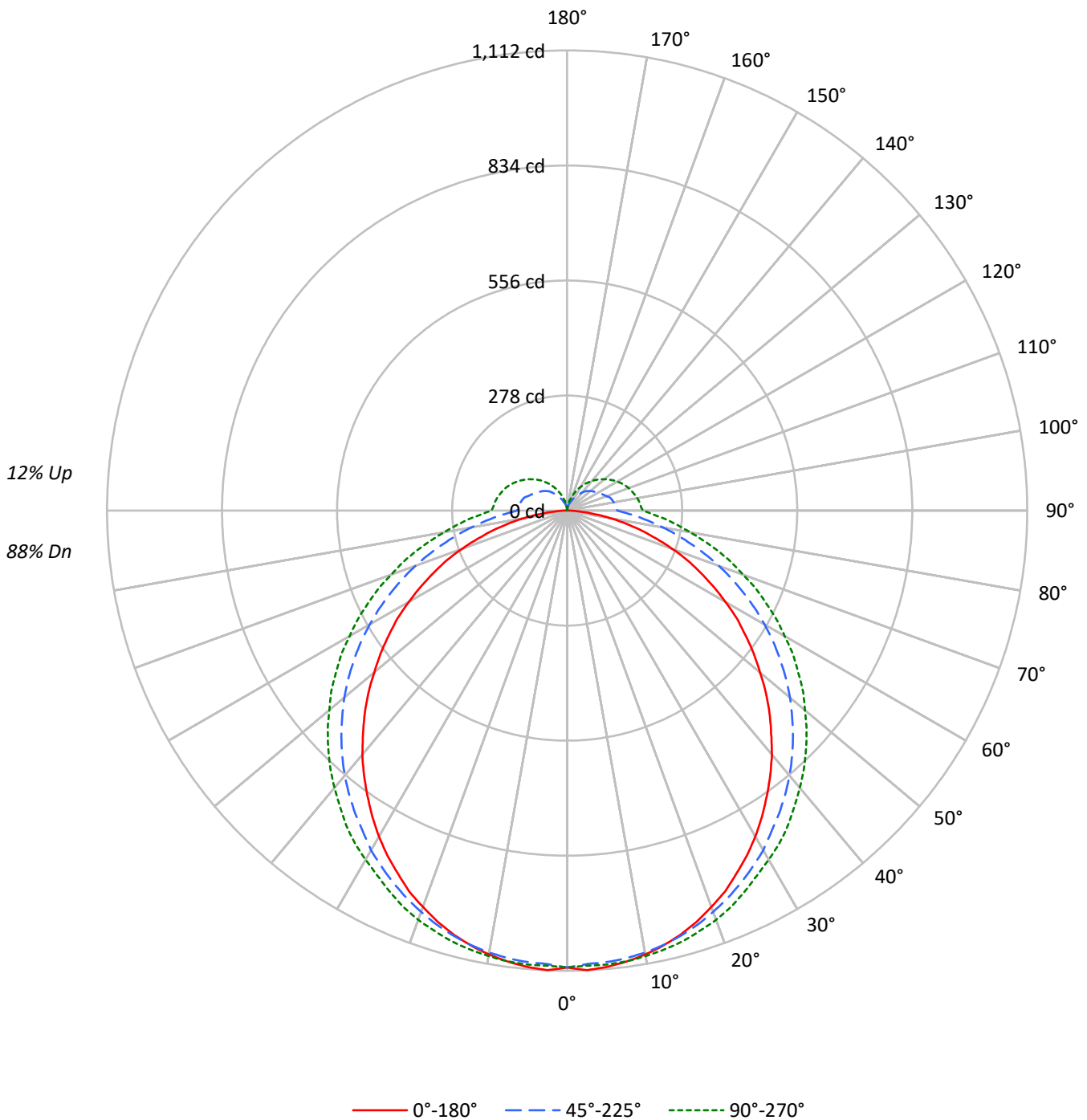
Lumens per Lamp: N/A  
Luminaire Lumens: 3975.0 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 31.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P565771

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565771

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L835-CD

**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 | 91 | 91 | 91 | 88 |
| 1   | 105 | 99  | 95  | 90  | 101 | 96  | 92  | 88  | 89  | 86  | 83  | 84 | 81 | 78 | 78 | 76 | 74 | 71 |
| 2   | 95  | 86  | 79  | 72  | 91  | 83  | 76  | 71  | 77  | 72  | 67  | 72 | 68 | 64 | 68 | 64 | 61 | 58 |
| 3   | 86  | 75  | 66  | 60  | 82  | 72  | 65  | 58  | 68  | 61  | 56  | 63 | 58 | 53 | 59 | 55 | 51 | 48 |
| 4   | 78  | 66  | 57  | 50  | 75  | 64  | 56  | 49  | 60  | 53  | 47  | 56 | 50 | 45 | 53 | 48 | 43 | 41 |
| 5   | 72  | 59  | 50  | 43  | 69  | 57  | 48  | 42  | 54  | 46  | 41  | 50 | 44 | 39 | 47 | 42 | 38 | 35 |
| 6   | 66  | 53  | 44  | 37  | 64  | 51  | 43  | 37  | 48  | 41  | 35  | 45 | 39 | 34 | 43 | 37 | 33 | 31 |
| 7   | 61  | 48  | 39  | 33  | 59  | 46  | 38  | 32  | 44  | 36  | 31  | 41 | 35 | 30 | 39 | 33 | 29 | 27 |
| 8   | 57  | 43  | 35  | 29  | 55  | 42  | 34  | 29  | 40  | 33  | 28  | 38 | 31 | 27 | 36 | 30 | 26 | 24 |
| 9   | 53  | 40  | 32  | 26  | 51  | 39  | 31  | 26  | 37  | 30  | 25  | 35 | 29 | 24 | 33 | 27 | 23 | 21 |
| 10  | 50  | 37  | 29  | 23  | 48  | 36  | 28  | 23  | 34  | 27  | 22  | 32 | 26 | 22 | 31 | 25 | 21 | 19 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 23769 | 23769 | 23769 |
| 5°  | 23831 | 23135 | 23129 |
| 10° | 23635 | 22650 | 22576 |
| 15° | 23376 | 22132 | 22055 |
| 20° | 22997 | 21567 | 21511 |
| 25° | 22557 | 21003 | 20890 |
| 30° | 22077 | 20437 | 20320 |
| 35° | 21486 | 19808 | 19827 |
| 40° | 20908 | 19230 | 19225 |
| 45° | 20217 | 18591 | 18656 |
| 50° | 19419 | 17913 | 18000 |
| 55° | 18645 | 17123 | 17349 |
| 60° | 17746 | 16269 | 16599 |
| 65° | 16652 | 15298 | 15797 |
| 70° | 15267 | 14204 | 14879 |
| 75° | 13339 | 12944 | 14035 |
| 80° | 10658 | 11689 | 12970 |
| 85° | 6835  | 10541 | 12271 |



TEST NUMBER: P565771

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L835-CD

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 104.8  | 2.6       |
| 10°-20°   | 301.5  | 7.6       |
| 20°-30°   | 458.7  | 11.5      |
| 30°-40°   | 557.7  | 14.0      |
| 40°-50°   | 590.1  | 14.8      |
| 50°-60°   | 553.1  | 13.9      |
| 60°-70°   | 455.0  | 11.4      |
| 70°-80°   | 314.8  | 7.9       |
| 80°-90°   | 175.1  | 4.4       |
| 90°-100°  | 115.3  | 2.9       |
| 100°-110° | 103.4  | 2.6       |
| 110°-120° | 85.6   | 2.2       |
| 120°-130° | 66.2   | 1.7       |
| 130°-140° | 46.8   | 1.2       |
| 140°-150° | 28.3   | 0.7       |
| 150°-160° | 13.6   | 0.3       |
| 160°-170° | 4.4    | 0.1       |
| 170°-180° | 0.5    | 0.0       |
| 0°-30°    | 865.0  | 21.8      |
| 0°-40°    | 1422.7 | 35.8      |
| 0°-60°    | 2565.9 | 64.6      |
| 0°-90°    | 3510.8 | 88.3      |
| 90°-120°  | 304.4  | 7.7       |
| 90°-150°  | 445.7  | 11.2      |
| 90°-180°  | 464.0  | 11.7      |
| 0°-180°   | 3975.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1104 | 1104  | 1104 | 1104  | 1104 |      |
| 5°   | 1107 | 1105  | 1095 | 1104  | 1101 | 105  |
| 15°  | 1060 | 1064  | 1063 | 1078  | 1078 | 299  |
| 25°  | 968  | 982   | 993  | 1015  | 1016 | 446  |
| 35°  | 841  | 864   | 893  | 922   | 930  | 527  |
| 45°  | 692  | 728   | 772  | 807   | 816  | 533  |
| 55°  | 526  | 573   | 628  | 668   | 681  | 471  |
| 65°  | 356  | 407   | 470  | 517   | 531  | 353  |
| 75°  | 185  | 239   | 309  | 358   | 378  | 196  |
| 85°  | 41   | 101   | 172  | 219   | 238  | 47   |
| 90°  | 1    | 57    | 121  | 167   | 183  | 3    |
| 95°  | 1    | 54    | 118  | 161   | 177  | 1    |
| 105° | 1    | 47    | 110  | 152   | 165  | 1    |
| 115° | 1    | 41    | 93   | 135   | 150  | 1    |
| 125° | 1    | 35    | 80   | 115   | 129  | 1    |
| 135° | 1    | 27    | 67   | 95    | 106  | 1    |
| 145° | 1    | 20    | 46   | 72    | 80   | 1    |
| 155° | 2    | 14    | 29   | 46    | 53   | 1    |
| 165° | 2    | 9     | 16   | 21    | 27   | 1    |
| 175° | 2    | 3     | 5    | 5     | 3    | 0    |
| 180° | 1    | 1     | 1    | 1     | 1    |      |



TEST NUMBER: P565771

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|--------|--------|--------|--------|--------|--------|
| 0°     | 1104.1 | 1104.1 | 1104.1 | 1104.1 | 1104.1 |
| 2.5°   | 1111.6 | 1108.2 | 1096.6 | 1104.1 | 1100.7 |
| 5°     | 1106.8 | 1104.8 | 1095.3 | 1104.1 | 1101.4 |
| 7.5°   | 1099.3 | 1098.7 | 1091.2 | 1101.4 | 1098.7 |
| 10°    | 1089.1 | 1090.5 | 1084.4 | 1095.3 | 1093.2 |
| 12.5°  | 1076.2 | 1078.2 | 1075.5 | 1087.8 | 1086.4 |
| 15°    | 1060.5 | 1063.9 | 1063.3 | 1077.6 | 1077.6 |
| 17.5°  | 1041.5 | 1046.2 | 1049.0 | 1065.3 | 1065.3 |
| 20°    | 1019.0 | 1026.5 | 1031.9 | 1049.6 | 1052.4 |
| 22.5°  | 996.6  | 1005.4 | 1013.6 | 1031.9 | 1036.0 |
| 25°    | 968.0  | 981.6  | 993.1  | 1014.9 | 1015.6 |
| 27.5°  | 940.1  | 955.0  | 970.7  | 991.8  | 993.8  |
| 30°    | 909.4  | 928.5  | 947.5  | 968.0  | 974.1  |
| 32.5°  | 876.7  | 897.8  | 918.9  | 946.2  | 954.3  |
| 35°    | 841.3  | 863.8  | 893.1  | 921.7  | 929.8  |
| 37.5°  | 806.0  | 831.1  | 865.2  | 894.4  | 901.9  |
| 40°    | 769.9  | 797.8  | 835.9  | 865.9  | 874.7  |
| 42.5°  | 729.7  | 763.7  | 804.6  | 836.6  | 846.8  |
| 45°    | 691.6  | 727.7  | 771.9  | 806.6  | 816.2  |
| 47.5°  | 651.4  | 689.6  | 737.2  | 774.0  | 784.9  |
| 50°    | 608.5  | 652.1  | 703.2  | 739.9  | 750.1  |
| 52.5°  | 568.4  | 612.6  | 666.4  | 704.5  | 718.8  |
| 55°    | 526.2  | 573.2  | 628.3  | 667.8  | 681.4  |
| 57.5°  | 486.7  | 531.6  | 590.9  | 630.3  | 647.3  |
| 60°    | 441.8  | 491.5  | 550.7  | 593.6  | 607.2  |
| 62.5°  | 399.6  | 449.9  | 511.2  | 555.5  | 571.1  |
| 65°    | 356.0  | 407.1  | 470.4  | 516.7  | 530.9  |
| 67.5°  | 315.2  | 365.5  | 430.2  | 475.8  | 494.2  |
| 70°    | 270.2  | 323.3  | 389.4  | 436.3  | 452.0  |
| 72.5°  | 226.0  | 281.1  | 348.5  | 398.9  | 416.6  |
| 75°    | 185.2  | 238.9  | 309.0  | 358.1  | 377.8  |
| 77.5°  | 145.7  | 200.1  | 270.9  | 321.3  | 338.3  |
| 80°    | 106.2  | 163.4  | 235.5  | 285.2  | 301.6  |
| 82.5°  | 70.1   | 130.0  | 201.5  | 251.2  | 268.9  |
| 85°    | 40.8   | 101.4  | 171.5  | 219.2  | 238.2  |
| 87.5°  | 17.7   | 76.9   | 143.6  | 190.6  | 206.3  |
| 90°    | 0.7    | 57.2   | 121.2  | 166.8  | 183.1  |
| 92.5°  | 0.7    | 55.8   | 118.4  | 163.4  | 179.0  |
| 95°    | 0.7    | 54.5   | 117.8  | 161.3  | 177.0  |
| 97.5°  | 0.7    | 53.8   | 116.4  | 160.0  | 174.9  |
| 100°   | 0.7    | 51.7   | 114.4  | 157.2  | 172.2  |
| 102.5° | 0.7    | 49.0   | 112.3  | 154.5  | 168.8  |
| 105°   | 0.7    | 47.0   | 110.3  | 151.8  | 165.4  |
| 107.5° | 0.7    | 44.9   | 106.9  | 148.4  | 162.0  |
| 110°   | 0.7    | 42.9   | 101.4  | 145.0  | 158.6  |



TEST NUMBER: P565771

CATALOG NUMBER: 2SNX-44HL-SLW-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°  | 67.5° | 90°   |
|--------|-----|-------|------|-------|-------|
| 112.5° | 0.7 | 42.2  | 97.3 | 140.2 | 154.5 |
| 115°   | 1.4 | 40.8  | 93.3 | 134.8 | 149.8 |
| 117.5° | 1.4 | 40.2  | 89.9 | 129.3 | 145.0 |
| 120°   | 1.4 | 38.1  | 86.4 | 124.6 | 139.5 |
| 122.5° | 1.4 | 36.1  | 83.0 | 119.8 | 134.8 |
| 125°   | 1.4 | 34.7  | 79.6 | 115.0 | 129.3 |
| 127.5° | 1.4 | 32.7  | 76.9 | 110.3 | 123.2 |
| 130°   | 1.4 | 31.3  | 73.5 | 104.8 | 117.8 |
| 132.5° | 1.4 | 29.3  | 70.1 | 99.4  | 111.6 |
| 135°   | 1.4 | 27.2  | 66.7 | 94.6  | 106.2 |
| 137.5° | 1.4 | 24.5  | 62.6 | 89.2  | 100.1 |
| 140°   | 1.4 | 22.5  | 57.2 | 83.7  | 93.9  |
| 142.5° | 1.4 | 21.1  | 51.7 | 77.6  | 87.1  |
| 145°   | 1.4 | 19.7  | 46.3 | 71.5  | 80.3  |
| 147.5° | 1.4 | 18.4  | 41.5 | 65.3  | 73.5  |
| 150°   | 1.4 | 16.3  | 36.8 | 59.9  | 66.7  |
| 152.5° | 2.0 | 15.0  | 32.7 | 53.1  | 59.9  |
| 155°   | 2.0 | 13.6  | 28.6 | 45.6  | 53.1  |
| 157.5° | 2.0 | 12.3  | 24.5 | 38.1  | 46.3  |
| 160°   | 2.0 | 10.9  | 21.1 | 31.3  | 39.5  |
| 162.5° | 2.0 | 10.2  | 18.4 | 25.9  | 33.4  |
| 165°   | 2.0 | 8.8   | 15.7 | 21.1  | 27.2  |
| 167.5° | 2.0 | 6.8   | 12.9 | 16.3  | 22.5  |
| 170°   | 2.0 | 5.4   | 10.2 | 11.6  | 17.0  |
| 172.5° | 2.0 | 4.1   | 7.5  | 8.2   | 8.8   |
| 175°   | 2.0 | 3.4   | 4.8  | 4.8   | 2.7   |
| 177.5° | 2.0 | 2.7   | 2.7  | 2.7   | 1.4   |
| 180°   | 1.4 | 1.4   | 1.4  | 1.4   | 1.4   |

(END OF REPORT)