

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: P565835

Luminaire Tested: **2SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565835
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: 2SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

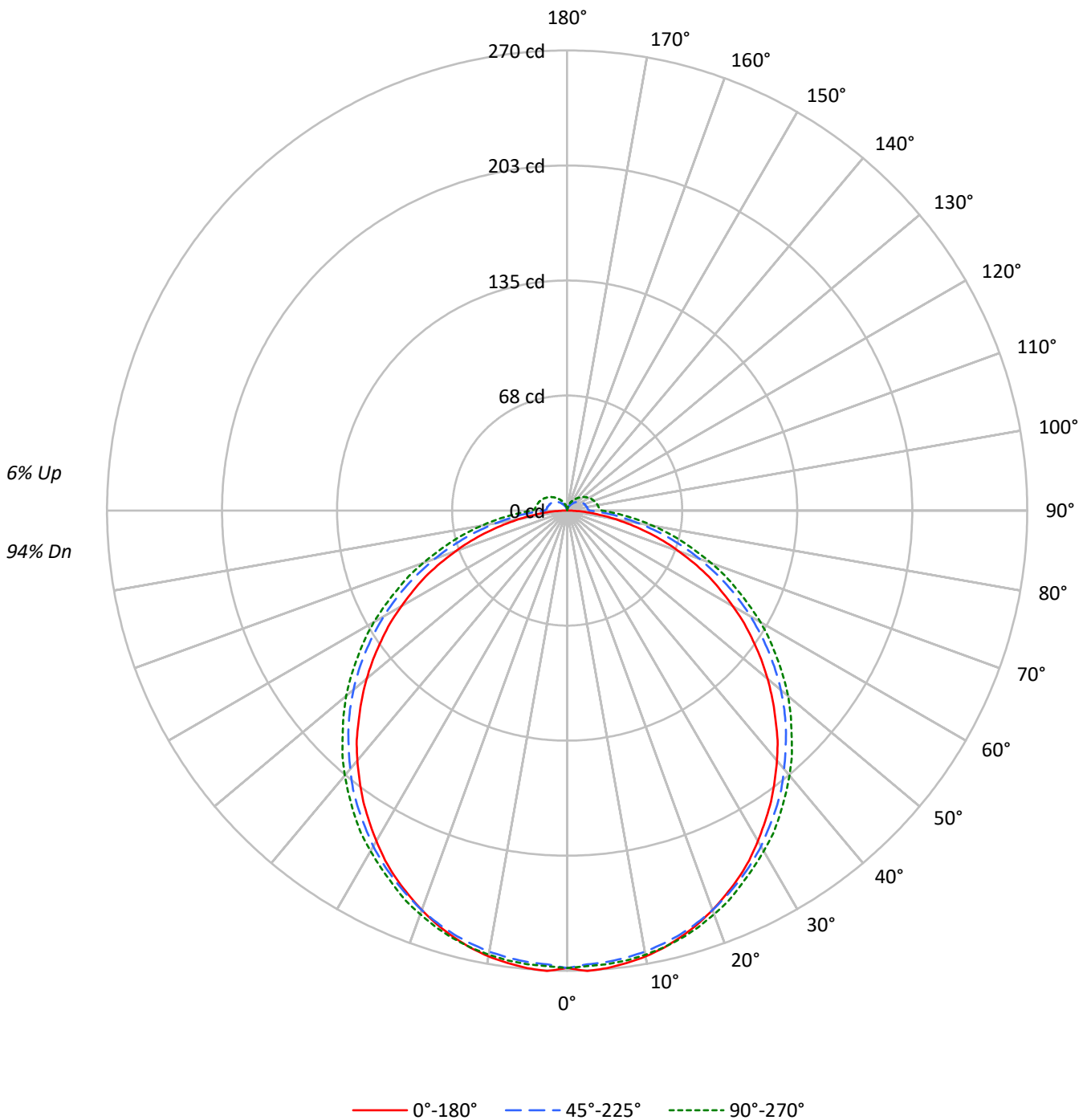
Lumens per Lamp: N/A
Luminaire Lumens: 853.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Direct

Input Watts (W): 6.93
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 | 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° | 5778 | 5778 | 5778 |
| 5° | 5813 | 5680 | 5691 |
| 10° | 5785 | 5614 | 5619 |
| 15° | 5736 | 5540 | 5541 |
| 20° | 5671 | 5451 | 5445 |
| 25° | 5597 | 5353 | 5334 |
| 30° | 5500 | 5253 | 5231 |
| 35° | 5401 | 5137 | 5123 |
| 40° | 5289 | 5007 | 5002 |
| 45° | 5154 | 4882 | 4859 |
| 50° | 5020 | 4734 | 4730 |
| 55° | 4855 | 4557 | 4551 |
| 60° | 4671 | 4352 | 4377 |
| 65° | 4471 | 4109 | 4132 |
| 70° | 4138 | 3806 | 3881 |
| 75° | 3728 | 3444 | 3579 |
| 80° | 3127 | 2972 | 3244 |
| 85° | 2354 | 2553 | 2848 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.5 | 3.0 |
| 10°-20° | 73.0 | 8.6 |
| 20°-30° | 110.7 | 13.0 |
| 30°-40° | 133.6 | 15.7 |
| 40°-50° | 139.5 | 16.4 |
| 50°-60° | 128.2 | 15.0 |
| 60°-70° | 101.4 | 11.9 |
| 70°-80° | 64.2 | 7.5 |
| 80°-90° | 27.6 | 3.2 |
| 90°-100° | 12.1 | 1.4 |
| 100°-110° | 10.9 | 1.3 |
| 110°-120° | 9.2 | 1.1 |
| 120°-130° | 7.2 | 0.8 |
| 130°-140° | 4.9 | 0.6 |
| 140°-150° | 3.0 | 0.3 |
| 150°-160° | 1.5 | 0.2 |
| 160°-170° | 0.5 | 0.1 |
| 170°-180° | 0.1 | 0.0 |
| 0°-30° | 209.2 | 24.5 |
| 0°-40° | 342.8 | 40.2 |
| 0°-60° | 610.6 | 71.6 |
| 0°-90° | 803.7 | 94.2 |
| 90°-120° | 32.2 | 3.8 |
| 90°-150° | 47.3 | 5.5 |
| 90°-180° | 49.0 | 5.7 |
| 0°-180° | 853.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 268 | 268 | 268 | 268 | 268 | |
| 5° | 270 | 269 | 266 | 268 | 267 | 26 |
| 15° | 259 | 259 | 257 | 260 | 260 | 73 |
| 25° | 238 | 239 | 239 | 242 | 242 | 110 |
| 35° | 208 | 211 | 214 | 217 | 218 | 130 |
| 45° | 173 | 177 | 182 | 185 | 186 | 133 |
| 55° | 133 | 139 | 144 | 149 | 150 | 119 |
| 65° | 92 | 97 | 104 | 108 | 110 | 90 |
| 75° | 48 | 54 | 62 | 67 | 70 | 51 |
| 85° | 12 | 18 | 26 | 32 | 34 | 13 |
| 90° | 1 | 6 | 13 | 19 | 20 | 1 |
| 95° | 0 | 6 | 12 | 17 | 19 | 0 |
| 105° | 0 | 5 | 11 | 16 | 18 | 0 |
| 115° | 0 | 4 | 10 | 14 | 16 | 0 |
| 125° | 0 | 4 | 9 | 12 | 14 | 0 |
| 135° | 0 | 3 | 7 | 10 | 11 | 0 |
| 145° | 0 | 2 | 5 | 7 | 8 | 0 |
| 155° | 0 | 2 | 3 | 5 | 6 | 0 |
| 165° | 0 | 1 | 2 | 2 | 3 | 0 |
| 175° | 0 | 1 | 1 | 1 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P565835

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 268.4 | 268.4 | 268.4 | 268.4 | 268.4 |
| 2.5° | 270.4 | 269.5 | 266.5 | 268.6 | 267.5 |
| 5° | 269.5 | 268.7 | 265.9 | 268.1 | 267.2 |
| 7.5° | 267.8 | 267.2 | 264.6 | 267.1 | 266.2 |
| 10° | 265.6 | 265.1 | 262.8 | 265.3 | 264.6 |
| 12.5° | 262.7 | 262.5 | 260.3 | 263.0 | 262.5 |
| 15° | 258.8 | 258.8 | 257.4 | 260.1 | 259.7 |
| 17.5° | 254.5 | 254.7 | 253.6 | 256.5 | 256.2 |
| 20° | 249.4 | 250.1 | 249.4 | 252.4 | 252.1 |
| 22.5° | 243.8 | 244.9 | 244.6 | 247.6 | 247.7 |
| 25° | 237.9 | 239.0 | 239.3 | 242.4 | 242.0 |
| 27.5° | 231.4 | 233.1 | 233.7 | 236.6 | 236.4 |
| 30° | 223.9 | 226.1 | 227.5 | 229.9 | 230.7 |
| 32.5° | 216.2 | 218.9 | 220.5 | 223.9 | 224.8 |
| 35° | 208.5 | 210.9 | 213.6 | 216.9 | 217.7 |
| 37.5° | 200.0 | 202.7 | 206.3 | 209.5 | 210.4 |
| 40° | 191.5 | 194.6 | 198.0 | 201.5 | 202.9 |
| 42.5° | 182.8 | 185.9 | 189.7 | 193.8 | 195.2 |
| 45° | 172.8 | 177.0 | 181.6 | 185.0 | 186.2 |
| 47.5° | 163.3 | 168.0 | 172.8 | 176.6 | 177.9 |
| 50° | 153.6 | 158.6 | 163.7 | 167.2 | 169.3 |
| 52.5° | 143.5 | 148.9 | 154.1 | 158.5 | 159.8 |
| 55° | 133.2 | 138.7 | 144.4 | 149.1 | 150.1 |
| 57.5° | 123.3 | 128.5 | 134.3 | 138.7 | 140.8 |
| 60° | 112.4 | 118.1 | 124.3 | 128.7 | 131.0 |
| 62.5° | 101.8 | 107.4 | 114.0 | 118.7 | 120.5 |
| 65° | 91.7 | 96.8 | 103.6 | 108.5 | 110.1 |
| 67.5° | 80.5 | 86.4 | 92.9 | 98.5 | 100.6 |
| 70° | 69.5 | 75.1 | 82.5 | 87.8 | 89.9 |
| 72.5° | 59.2 | 64.7 | 72.1 | 77.3 | 79.3 |
| 75° | 48.3 | 54.1 | 61.9 | 67.2 | 69.8 |
| 77.5° | 37.9 | 44.3 | 51.8 | 57.6 | 60.4 |
| 80° | 28.2 | 33.8 | 42.0 | 48.3 | 50.9 |
| 82.5° | 19.2 | 25.2 | 33.7 | 39.6 | 42.4 |
| 85° | 11.8 | 18.1 | 26.0 | 31.6 | 33.5 |
| 87.5° | 5.6 | 11.6 | 18.9 | 24.3 | 26.7 |
| 90° | 0.8 | 6.5 | 13.3 | 18.6 | 20.5 |
| 92.5° | 0.2 | 5.6 | 12.2 | 17.2 | 19.0 |
| 95° | 0.2 | 5.6 | 12.1 | 16.9 | 18.7 |
| 97.5° | 0.2 | 5.4 | 11.9 | 16.8 | 18.4 |
| 100° | 0.2 | 5.3 | 11.8 | 16.5 | 18.3 |
| 102.5° | 0.2 | 5.3 | 11.5 | 16.2 | 17.8 |
| 105° | 0.2 | 5.1 | 11.3 | 15.9 | 17.5 |
| 107.5° | 0.2 | 5.0 | 11.0 | 15.6 | 17.2 |
| 110° | 0.2 | 4.7 | 10.9 | 15.1 | 16.8 |



TEST NUMBER: P565835

CATALOG NUMBER: 2SNX-SL3-FDL-UNV-CC83-CD-3500K-LOW

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|-----|-------|------|-------|------|
| 112.5° | 0.2 | 4.5 | 10.6 | 14.8 | 16.3 |
| 115° | 0.2 | 4.4 | 10.3 | 14.4 | 15.9 |
| 117.5° | 0.2 | 4.2 | 9.8 | 13.9 | 15.4 |
| 120° | 0.3 | 4.2 | 9.5 | 13.4 | 14.8 |
| 122.5° | 0.3 | 4.1 | 9.1 | 12.8 | 14.2 |
| 125° | 0.3 | 3.9 | 8.6 | 12.4 | 13.7 |
| 127.5° | 0.3 | 3.8 | 8.2 | 11.8 | 13.0 |
| 130° | 0.3 | 3.5 | 7.9 | 11.2 | 12.4 |
| 132.5° | 0.3 | 3.3 | 7.4 | 10.4 | 11.6 |
| 135° | 0.3 | 3.0 | 6.9 | 9.8 | 11.0 |
| 137.5° | 0.3 | 2.9 | 6.5 | 9.2 | 10.3 |
| 140° | 0.3 | 2.7 | 5.9 | 8.6 | 9.7 |
| 142.5° | 0.3 | 2.4 | 5.4 | 8.0 | 8.9 |
| 145° | 0.3 | 2.3 | 4.8 | 7.4 | 8.2 |
| 147.5° | 0.3 | 2.0 | 4.4 | 6.8 | 7.6 |
| 150° | 0.3 | 1.8 | 3.9 | 6.2 | 6.9 |
| 152.5° | 0.3 | 1.7 | 3.5 | 5.4 | 6.2 |
| 155° | 0.3 | 1.5 | 3.2 | 4.7 | 5.6 |
| 157.5° | 0.3 | 1.4 | 2.7 | 4.1 | 5.0 |
| 160° | 0.5 | 1.2 | 2.4 | 3.5 | 4.2 |
| 162.5° | 0.5 | 1.1 | 2.0 | 2.9 | 3.8 |
| 165° | 0.5 | 1.1 | 1.7 | 2.3 | 3.2 |
| 167.5° | 0.5 | 0.9 | 1.4 | 1.8 | 2.6 |
| 170° | 0.5 | 0.8 | 1.2 | 1.4 | 2.0 |
| 172.5° | 0.5 | 0.6 | 0.9 | 0.9 | 1.1 |
| 175° | 0.5 | 0.6 | 0.8 | 0.8 | 0.5 |
| 177.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.3 |
| 180° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

(END OF REPORT)