

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: P565869

Luminaire Tested: **2SNX-SL3-LC-UNV-CC93-CD-5000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-SL3-LC-UNV-CC93-CD-5000K-MED  
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, MED LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

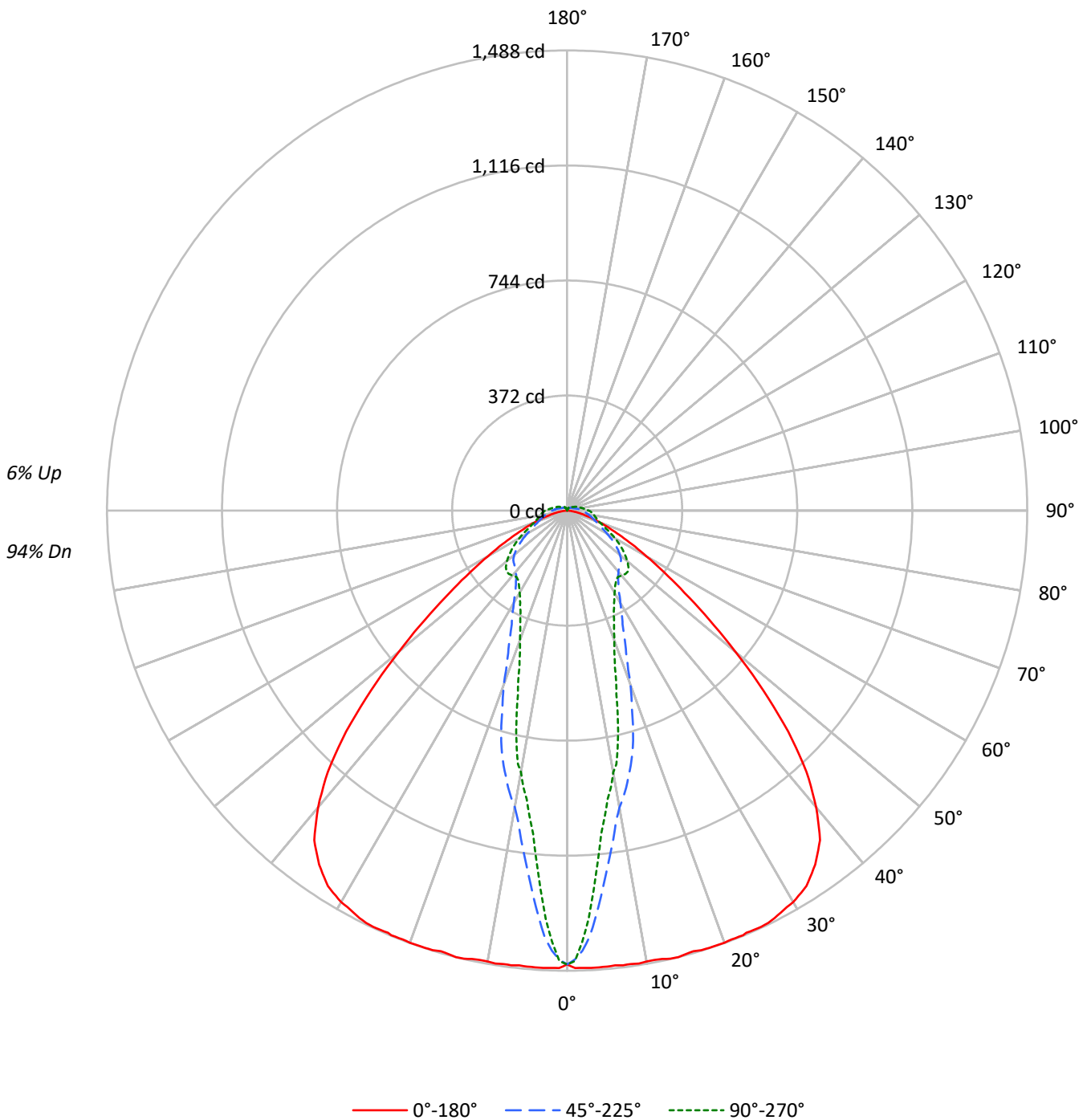
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1809.0 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 13.2  
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

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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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |   |
| 0   | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 |    |    |    |   |
| 1   | 108 | 103 | 99  | 96  | 105 | 101 | 97  | 94  | 95  | 92  | 90  | 90  | 88  | 86  | 86 | 84 | 82 | 80 |    |    |    |   |
| 2   | 99  | 92  | 86  | 80  | 96  | 89  | 84  | 79  | 85  | 80  | 76  | 81  | 77  | 74  | 77 | 74 | 71 | 69 |    |    |    |   |
| 3   | 92  | 82  | 75  | 69  | 89  | 80  | 73  | 68  | 76  | 71  | 66  | 73  | 68  | 64  | 70 | 66 | 62 | 60 |    |    |    |   |
| 4   | 85  | 74  | 66  | 60  | 82  | 72  | 65  | 59  | 69  | 63  | 58  | 66  | 61  | 56  | 63 | 59 | 55 | 53 |    |    |    |   |
| 5   | 79  | 67  | 59  | 53  | 76  | 66  | 58  | 52  | 63  | 56  | 51  | 60  | 55  | 50  | 58 | 53 | 49 | 47 |    |    |    |   |
| 6   | 73  | 61  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 45  | 53 | 48 | 44 | 42 |    |    |    |   |
| 7   | 69  | 56  | 48  | 43  | 67  | 55  | 48  | 42  | 53  | 46  | 42  | 51  | 45  | 41  | 50 | 44 | 40 | 38 |    |    |    |   |
| 8   | 64  | 52  | 44  | 39  | 63  | 51  | 44  | 39  | 49  | 43  | 38  | 48  | 42  | 37  | 46 | 41 | 37 | 35 |    |    |    |   |
| 9   | 61  | 48  | 41  | 36  | 59  | 47  | 40  | 35  | 46  | 39  | 35  | 44  | 39  | 34  | 43 | 38 | 34 | 32 |    |    |    |   |
| 10  | 57  | 45  | 38  | 33  | 56  | 44  | 37  | 33  | 43  | 37  | 32  | 42  | 36  | 32  | 40 | 35 | 31 | 30 |    |    |    |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 31592 | 31592 | 31592 |
| 5°  | 31762 | 25885 | 23227 |
| 10° | 31895 | 19497 | 16810 |
| 15° | 32356 | 15902 | 11641 |
| 20° | 33063 | 11483 | 8221  |
| 25° | 33959 | 8210  | 6467  |
| 30° | 34674 | 6545  | 5509  |
| 35° | 34715 | 5525  | 4932  |
| 40° | 32922 | 5012  | 4945  |
| 45° | 28398 | 4832  | 5080  |
| 50° | 21634 | 4584  | 4740  |
| 55° | 15546 | 4000  | 4207  |
| 60° | 11163 | 3328  | 3557  |
| 65° | 8012  | 2805  | 2916  |
| 70° | 5793  | 2469  | 2514  |
| 75° | 3997  | 2278  | 2344  |
| 80° | 2500  | 2122  | 2308  |
| 85° | 1050  | 2011  | 2312  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.4  | 6.4       |
| 10°-20°   | 250.6  | 13.9      |
| 20°-30°   | 286.9  | 15.9      |
| 30°-40°   | 287.4  | 15.9      |
| 40°-50°   | 272.0  | 15.0      |
| 50°-60°   | 208.6  | 11.5      |
| 60°-70°   | 134.5  | 7.4       |
| 70°-80°   | 85.8   | 4.7       |
| 80°-90°   | 56.9   | 3.1       |
| 90°-100°  | 38.3   | 2.1       |
| 100°-110° | 25.2   | 1.4       |
| 110°-120° | 17.5   | 1.0       |
| 120°-130° | 12.2   | 0.7       |
| 130°-140° | 8.5    | 0.5       |
| 140°-150° | 5.2    | 0.3       |
| 150°-160° | 2.6    | 0.1       |
| 160°-170° | 1.0    | 0.1       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 652.9  | 36.1      |
| 0°-40°    | 940.3  | 52.0      |
| 0°-60°    | 1421.0 | 78.5      |
| 0°-90°    | 1698.2 | 93.9      |
| 90°-120°  | 81.1   | 4.5       |
| 90°-150°  | 107.0  | 5.9       |
| 90°-180°  | 111.0  | 6.1       |
| 0°-180°   | 1809.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1468 | 1468  | 1468 | 1468  | 1468 |      |
| 5°   | 1480 | 1399  | 1253 | 1169  | 1138 | 141  |
| 15°  | 1484 | 1069  | 815  | 669   | 616  | 421  |
| 25°  | 1485 | 756   | 431  | 374   | 357  | 685  |
| 35°  | 1398 | 421   | 288  | 279   | 275  | 867  |
| 45°  | 1010 | 266   | 243  | 269   | 278  | 768  |
| 55°  | 464  | 190   | 187  | 210   | 219  | 426  |
| 65°  | 185  | 120   | 118  | 134   | 139  | 191  |
| 75°  | 63   | 65    | 82   | 94    | 98   | 69   |
| 85°  | 8    | 30    | 58   | 75    | 81   | 11   |
| 90°  | 0    | 20    | 48   | 67    | 70   | 0    |
| 95°  | 0    | 15    | 40   | 55    | 58   | 0    |
| 105° | 0    | 11    | 26   | 37    | 40   | 1    |
| 115° | 1    | 9     | 20   | 27    | 29   | 1    |
| 125° | 1    | 8     | 17   | 20    | 20   | 1    |
| 135° | 1    | 6     | 13   | 16    | 17   | 1    |
| 145° | 1    | 5     | 9    | 12    | 13   | 1    |
| 155° | 1    | 3     | 6    | 8     | 9    | 0    |
| 165° | 2    | 2     | 4    | 5     | 6    | 0    |
| 175° | 2    | 2     | 2    | 2     | 1    | 0    |
| 180° | 2    | 2     | 2    | 2     | 2    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1467.5 | 1467.5 | 1467.5 | 1467.5 | 1467.5 |
| 1°    | 1479.6 | 1471.3 | 1451.8 | 1457.4 | 1456.4 |
| 2°    | 1479.6 | 1462.0 | 1424.0 | 1412.9 | 1396.2 |
| 3°    | 1480.5 | 1446.2 | 1381.3 | 1345.2 | 1322.0 |
| 4°    | 1480.5 | 1423.0 | 1318.3 | 1258.0 | 1228.4 |
| 5°    | 1480.5 | 1398.9 | 1253.4 | 1169.0 | 1137.5 |
| 6°    | 1478.7 | 1370.2 | 1187.6 | 1098.6 | 1051.3 |
| 7°    | 1481.5 | 1338.7 | 1128.2 | 1032.8 | 995.7  |
| 8°    | 1480.5 | 1301.6 | 1073.5 | 982.7  | 941.9  |
| 9°    | 1483.3 | 1265.4 | 1014.2 | 935.4  | 904.8  |
| 10°   | 1480.5 | 1232.1 | 975.3  | 890.9  | 859.4  |
| 11°   | 1480.5 | 1199.6 | 947.5  | 862.2  | 835.3  |
| 12°   | 1482.4 | 1162.5 | 916.9  | 821.4  | 784.3  |
| 13°   | 1487.0 | 1124.5 | 881.6  | 776.9  | 733.3  |
| 14°   | 1487.9 | 1095.8 | 849.2  | 720.3  | 674.9  |
| 15°   | 1484.2 | 1068.9 | 814.9  | 669.3  | 615.6  |
| 16°   | 1482.4 | 1041.1 | 774.1  | 621.1  | 572.9  |
| 17°   | 1486.1 | 1008.6 | 727.7  | 572.0  | 527.5  |
| 18°   | 1487.0 | 979.0  | 678.6  | 534.9  | 496.0  |
| 19°   | 1487.0 | 955.8  | 638.7  | 500.6  | 467.2  |
| 20°   | 1487.0 | 933.6  | 598.0  | 474.7  | 445.9  |
| 21°   | 1485.2 | 905.7  | 551.6  | 447.8  | 423.7  |
| 22.5° | 1486.1 | 853.8  | 498.8  | 416.3  | 396.8  |
| 23°   | 1483.3 | 840.9  | 485.8  | 407.9  | 387.5  |
| 24°   | 1484.2 | 803.8  | 458.0  | 391.2  | 371.8  |
| 25°   | 1485.2 | 756.5  | 431.1  | 374.5  | 356.9  |
| 26°   | 1483.3 | 718.5  | 408.8  | 358.8  | 346.7  |
| 27°   | 1478.7 | 687.9  | 393.1  | 345.8  | 334.7  |
| 28°   | 1472.2 | 647.1  | 376.4  | 334.7  | 324.5  |
| 29°   | 1465.7 | 600.7  | 359.7  | 322.6  | 315.2  |
| 30°   | 1462.0 | 563.7  | 343.9  | 313.3  | 306.9  |
| 32.5° | 1439.7 | 490.4  | 311.5  | 294.8  | 289.2  |
| 35°   | 1398.0 | 420.9  | 288.3  | 279.0  | 275.3  |
| 37.5° | 1343.3 | 367.1  | 270.7  | 268.8  | 269.8  |
| 40°   | 1253.4 | 324.5  | 257.7  | 266.1  | 274.4  |
| 42.5° | 1145.9 | 291.1  | 248.5  | 268.8  | 278.1  |
| 45°   | 1010.5 | 266.1  | 242.9  | 268.8  | 278.1  |
| 47.5° | 860.3  | 245.7  | 236.4  | 259.6  | 268.8  |
| 50°   | 710.1  | 227.1  | 223.4  | 245.7  | 254.0  |
| 52.5° | 577.6  | 209.5  | 206.7  | 228.1  | 236.4  |
| 55°   | 463.5  | 190.0  | 187.3  | 210.4  | 218.8  |
| 57.5° | 371.8  | 171.5  | 168.7  | 190.0  | 198.4  |
| 60°   | 296.7  | 153.0  | 148.3  | 169.7  | 178.0  |
| 62.5° | 236.4  | 135.4  | 132.6  | 151.1  | 158.5  |
| 65°   | 185.4  | 119.6  | 117.7  | 134.4  | 139.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 67.5°  | 146.5 | 104.8 | 105.7 | 119.6 | 125.2 |
| 70°    | 113.1 | 90.9  | 96.4  | 109.4 | 113.1 |
| 72.5°  | 85.3  | 76.9  | 89.0  | 100.1 | 104.8 |
| 75°    | 63.0  | 64.9  | 81.6  | 93.6  | 98.3  |
| 77.5°  | 43.6  | 53.8  | 75.1  | 88.1  | 92.7  |
| 80°    | 29.7  | 43.6  | 68.6  | 83.4  | 89.0  |
| 82.5°  | 17.6  | 36.2  | 63.0  | 78.8  | 85.3  |
| 85°    | 8.3   | 29.7  | 57.5  | 75.1  | 80.7  |
| 87.5°  | 2.8   | 24.1  | 51.9  | 71.4  | 76.0  |
| 90°    | 0.0   | 20.4  | 48.2  | 66.7  | 69.5  |
| 92.5°  | 0.0   | 17.6  | 43.6  | 61.2  | 63.0  |
| 95°    | 0.0   | 14.8  | 39.9  | 54.7  | 57.5  |
| 97.5°  | 0.0   | 13.9  | 37.1  | 49.1  | 52.8  |
| 100°   | 0.0   | 13.0  | 33.4  | 44.5  | 48.2  |
| 102.5° | 0.0   | 11.1  | 29.7  | 39.9  | 43.6  |
| 105°   | 0.0   | 11.1  | 26.0  | 37.1  | 39.9  |
| 107.5° | 0.9   | 10.2  | 24.1  | 33.4  | 37.1  |
| 110°   | 0.9   | 10.2  | 21.3  | 31.5  | 34.3  |
| 112.5° | 0.9   | 10.2  | 20.4  | 28.7  | 32.4  |
| 115°   | 0.9   | 9.3   | 19.5  | 26.9  | 28.7  |
| 117.5° | 0.9   | 9.3   | 18.5  | 24.1  | 26.0  |
| 120°   | 0.9   | 8.3   | 17.6  | 22.2  | 23.2  |
| 122.5° | 0.9   | 8.3   | 16.7  | 20.4  | 21.3  |
| 125°   | 0.9   | 8.3   | 16.7  | 19.5  | 20.4  |
| 127.5° | 0.9   | 7.4   | 15.8  | 18.5  | 18.5  |
| 130°   | 0.9   | 7.4   | 14.8  | 17.6  | 17.6  |
| 132.5° | 0.9   | 6.5   | 13.9  | 16.7  | 17.6  |
| 135°   | 0.9   | 6.5   | 13.0  | 15.8  | 16.7  |
| 137.5° | 0.9   | 5.6   | 12.1  | 14.8  | 15.8  |
| 140°   | 0.9   | 5.6   | 11.1  | 13.9  | 14.8  |
| 142.5° | 0.9   | 4.6   | 10.2  | 13.0  | 13.9  |
| 145°   | 0.9   | 4.6   | 9.3   | 12.1  | 13.0  |
| 147.5° | 0.9   | 4.6   | 8.3   | 11.1  | 12.1  |
| 150°   | 0.9   | 3.7   | 7.4   | 10.2  | 11.1  |
| 152.5° | 0.9   | 3.7   | 6.5   | 9.3   | 10.2  |
| 155°   | 0.9   | 2.8   | 5.6   | 8.3   | 9.3   |
| 157.5° | 0.9   | 2.8   | 5.6   | 7.4   | 8.3   |
| 160°   | 1.9   | 2.8   | 4.6   | 6.5   | 7.4   |
| 162.5° | 0.9   | 1.9   | 4.6   | 5.6   | 6.5   |
| 165°   | 1.9   | 1.9   | 3.7   | 4.6   | 5.6   |
| 167.5° | 1.9   | 1.9   | 2.8   | 3.7   | 4.6   |
| 170°   | 1.9   | 1.9   | 2.8   | 2.8   | 3.7   |
| 172.5° | 1.9   | 1.9   | 1.9   | 2.8   | 1.9   |
| 175°   | 1.9   | 1.9   | 1.9   | 1.9   | 0.9   |
| 177.5° | 1.9   | 1.9   | 1.9   | 1.9   | 0.9   |



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**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 1.9 | 1.9   | 1.9 | 1.9   | 1.9 |

(END OF REPORT)