

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: P565515

Luminaire Tested: **2SNX-19SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565515  
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-19SL-LN-UNV-L835-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

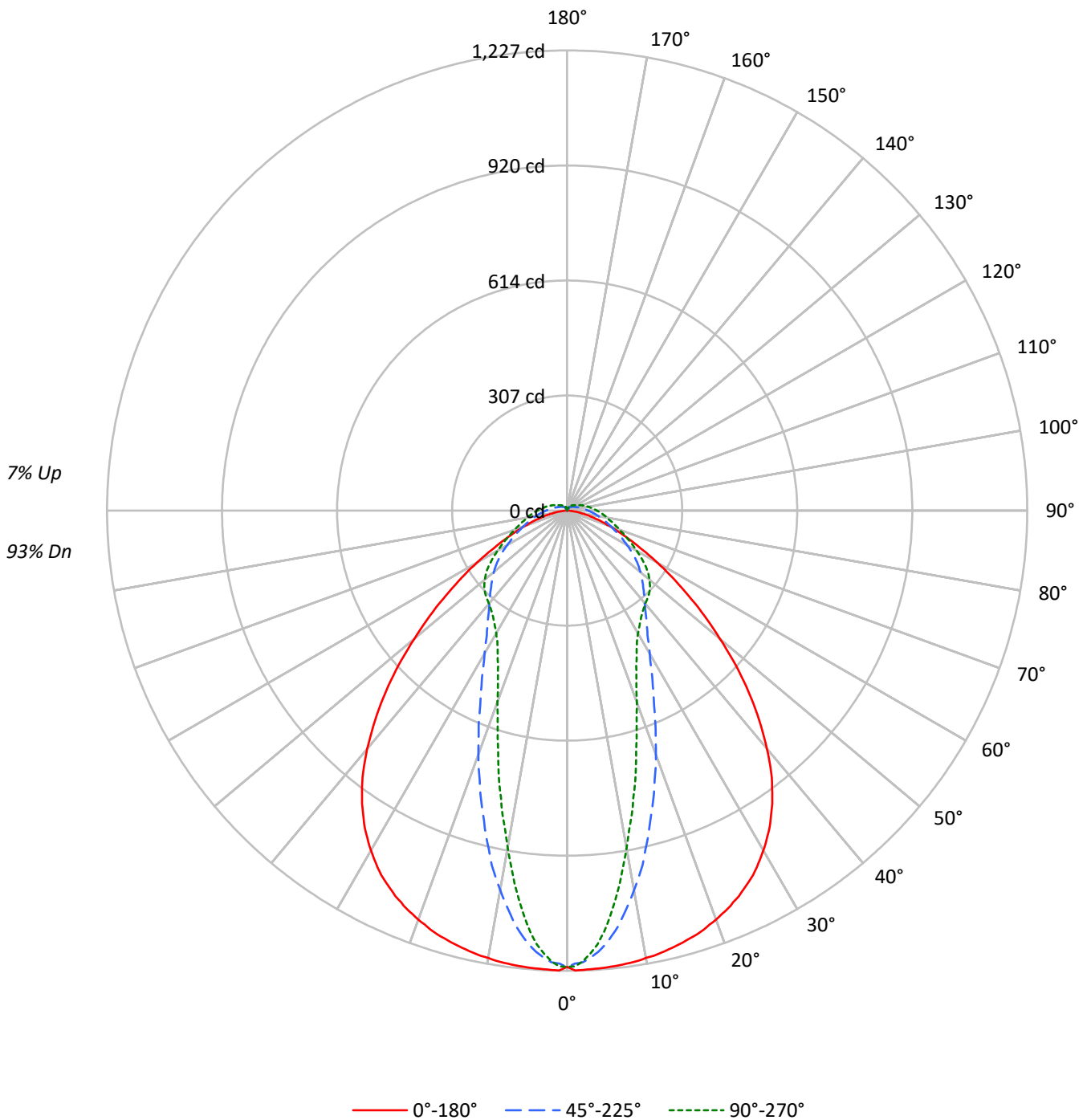
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1939.0 lumens  
Efficiency: N/A  
Efficacy: 161.6 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): 12  
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   | 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°  | 26186 | 26186 | 26186 |
| 5°  | 26227 | 24008 | 23033 |
| 10° | 26095 | 20538 | 17870 |
| 15° | 25986 | 16718 | 13393 |
| 20° | 25804 | 13288 | 10024 |
| 25° | 25467 | 10392 | 7955  |
| 30° | 24825 | 8393  | 6785  |
| 35° | 23670 | 7089  | 6172  |
| 40° | 21780 | 6245  | 5843  |
| 45° | 19248 | 5702  | 5661  |
| 50° | 16193 | 5235  | 5349  |
| 55° | 13192 | 4731  | 4885  |
| 60° | 10437 | 4149  | 4284  |
| 65° | 7991  | 3632  | 3728  |
| 70° | 6090  | 3202  | 3299  |
| 75° | 4581  | 2864  | 3005  |
| 80° | 3081  | 2608  | 2793  |
| 85° | 1543  | 2417  | 2679  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.7  | 5.6       |
| 10°-20°   | 252.5  | 13.0      |
| 20°-30°   | 299.7  | 15.5      |
| 30°-40°   | 301.6  | 15.6      |
| 40°-50°   | 280.3  | 14.5      |
| 50°-60°   | 230.8  | 11.9      |
| 60°-70°   | 162.6  | 8.4       |
| 70°-80°   | 106.3  | 5.5       |
| 80°-90°   | 67.8   | 3.5       |
| 90°-100°  | 44.5   | 2.3       |
| 100°-110° | 30.2   | 1.6       |
| 110°-120° | 20.7   | 1.1       |
| 120°-130° | 14.3   | 0.7       |
| 130°-140° | 9.6    | 0.5       |
| 140°-150° | 5.9    | 0.3       |
| 150°-160° | 3.1    | 0.2       |
| 160°-170° | 1.1    | 0.1       |
| 170°-180° | 0.2    | 0.0       |
| 0°-30°    | 659.9  | 34.0      |
| 0°-40°    | 961.5  | 49.6      |
| 0°-60°    | 1472.6 | 75.9      |
| 0°-90°    | 1809.3 | 93.3      |
| 90°-120°  | 95.4   | 4.9       |
| 90°-150°  | 125.3  | 6.5       |
| 90°-180°  | 130.0  | 6.7       |
| 0°-180°   | 1939.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1216 | 1216  | 1216 | 1216  | 1216 |      |
| 5°   | 1222 | 1206  | 1162 | 1140  | 1128 | 116  |
| 15°  | 1192 | 1065  | 857  | 749   | 708  | 337  |
| 25°  | 1114 | 823   | 546  | 458   | 439  | 513  |
| 35°  | 953  | 557   | 370  | 346   | 344  | 593  |
| 45°  | 685  | 367   | 287  | 302   | 310  | 526  |
| 55°  | 393  | 241   | 222  | 246   | 254  | 355  |
| 65°  | 185  | 145   | 152  | 172   | 178  | 188  |
| 75°  | 72   | 75    | 103  | 121   | 126  | 78   |
| 85°  | 12   | 35    | 69   | 89    | 94   | 15   |
| 90°  | 0    | 23    | 56   | 76    | 79   | 1    |
| 95°  | 0    | 17    | 47   | 64    | 67   | 0    |
| 105° | 0    | 12    | 32   | 45    | 49   | 0    |
| 115° | 1    | 10    | 22   | 32    | 35   | 1    |
| 125° | 1    | 8     | 18   | 23    | 25   | 1    |
| 135° | 1    | 7     | 14   | 18    | 19   | 1    |
| 145° | 1    | 5     | 10   | 14    | 15   | 1    |
| 155° | 1    | 4     | 7    | 10    | 11   | 0    |
| 165° | 1    | 2     | 4    | 5     | 6    | 0    |
| 175° | 2    | 2     | 2    | 2     | 1    | 0    |
| 180° | 1    | 1     | 1    | 1     | 1    |      |



TEST NUMBER: P565515

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1216.4 | 1216.4 | 1216.4 | 1216.4 | 1216.4 |
| 1°    | 1226.6 | 1221.5 | 1208.3 | 1217.4 | 1215.4 |
| 2°    | 1225.5 | 1220.5 | 1205.2 | 1209.3 | 1202.2 |
| 3°    | 1224.5 | 1217.4 | 1194.0 | 1193.0 | 1182.9 |
| 4°    | 1223.5 | 1212.3 | 1179.8 | 1167.6 | 1159.5 |
| 5°    | 1222.5 | 1206.2 | 1162.5 | 1140.2 | 1128.0 |
| 6°    | 1221.5 | 1199.1 | 1140.2 | 1106.6 | 1089.4 |
| 7°    | 1219.4 | 1187.9 | 1116.8 | 1071.1 | 1048.7 |
| 8°    | 1217.4 | 1177.8 | 1087.3 | 1032.5 | 1005.0 |
| 9°    | 1215.4 | 1164.6 | 1057.9 | 990.8  | 958.3  |
| 10°   | 1211.3 | 1151.4 | 1027.4 | 948.1  | 913.6  |
| 11°   | 1209.3 | 1136.1 | 997.9  | 907.5  | 866.8  |
| 12°   | 1205.2 | 1119.9 | 966.4  | 864.8  | 829.2  |
| 13°   | 1201.1 | 1102.6 | 927.8  | 828.2  | 785.5  |
| 14°   | 1197.1 | 1084.3 | 894.3  | 787.6  | 747.9  |
| 15°   | 1192.0 | 1065.0 | 856.7  | 748.9  | 708.3  |
| 16°   | 1186.9 | 1042.6 | 823.1  | 709.3  | 666.6  |
| 17°   | 1181.8 | 1021.3 | 791.6  | 672.7  | 634.1  |
| 18°   | 1175.7 | 999.9  | 755.0  | 637.2  | 599.6  |
| 19°   | 1167.6 | 975.6  | 725.6  | 604.6  | 570.1  |
| 20°   | 1160.5 | 953.2  | 692.0  | 574.2  | 543.7  |
| 21°   | 1152.4 | 925.8  | 658.5  | 545.7  | 515.2  |
| 22.5° | 1140.2 | 887.1  | 615.8  | 510.1  | 481.7  |
| 23°   | 1134.1 | 876.0  | 598.5  | 496.9  | 472.5  |
| 24°   | 1126.0 | 846.5  | 570.1  | 476.6  | 452.2  |
| 25°   | 1113.8 | 823.1  | 545.7  | 458.3  | 439.0  |
| 26°   | 1102.6 | 794.7  | 521.3  | 442.0  | 422.7  |
| 27°   | 1091.4 | 767.2  | 500.0  | 424.8  | 408.5  |
| 28°   | 1077.2 | 738.8  | 476.6  | 410.5  | 396.3  |
| 29°   | 1061.9 | 712.4  | 457.3  | 398.4  | 387.2  |
| 30°   | 1046.7 | 682.9  | 441.0  | 387.2  | 378.0  |
| 32.5° | 1004.0 | 617.9  | 399.4  | 365.8  | 359.7  |
| 35°   | 953.2  | 556.9  | 369.9  | 346.5  | 344.5  |
| 37.5° | 896.3  | 501.0  | 343.5  | 331.3  | 333.3  |
| 40°   | 829.2  | 450.2  | 321.1  | 320.1  | 324.2  |
| 42.5° | 758.1  | 406.5  | 303.8  | 311.0  | 317.1  |
| 45°   | 684.9  | 366.8  | 286.6  | 301.8  | 309.9  |
| 47.5° | 608.7  | 332.3  | 271.3  | 290.6  | 299.8  |
| 50°   | 531.5  | 298.8  | 255.1  | 277.4  | 286.6  |
| 52.5° | 462.4  | 269.3  | 238.8  | 262.2  | 272.3  |
| 55°   | 393.3  | 240.8  | 221.5  | 245.9  | 254.1  |
| 57.5° | 333.3  | 214.4  | 203.2  | 227.6  | 233.7  |
| 60°   | 277.4  | 189.0  | 184.9  | 207.3  | 214.4  |
| 62.5° | 226.6  | 166.7  | 167.7  | 189.0  | 196.1  |
| 65°   | 184.9  | 145.3  | 152.4  | 171.7  | 177.8  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 67.5°  | 150.4 | 125.0 | 137.2 | 157.5 | 162.6 |
| 70°    | 118.9 | 106.7 | 125.0 | 143.3 | 148.4 |
| 72.5°  | 94.5  | 90.4  | 112.8 | 132.1 | 136.2 |
| 75°    | 72.2  | 75.2  | 102.6 | 120.9 | 126.0 |
| 77.5°  | 51.8  | 63.0  | 92.5  | 111.8 | 115.8 |
| 80°    | 36.6  | 51.8  | 84.3  | 103.7 | 107.7 |
| 82.5°  | 23.4  | 42.7  | 76.2  | 96.5  | 100.6 |
| 85°    | 12.2  | 34.6  | 69.1  | 89.4  | 93.5  |
| 87.5°  | 5.1   | 28.5  | 62.0  | 82.3  | 86.4  |
| 90°    | 0.0   | 23.4  | 55.9  | 76.2  | 79.3  |
| 92.5°  | 0.0   | 20.3  | 50.8  | 70.1  | 73.2  |
| 95°    | 0.0   | 17.3  | 46.7  | 64.0  | 67.1  |
| 97.5°  | 0.0   | 16.3  | 41.7  | 58.9  | 62.0  |
| 100°   | 0.0   | 14.2  | 37.6  | 53.9  | 57.9  |
| 102.5° | 0.0   | 13.2  | 34.6  | 48.8  | 52.8  |
| 105°   | 0.0   | 12.2  | 31.5  | 44.7  | 48.8  |
| 107.5° | 0.0   | 11.2  | 29.5  | 41.7  | 44.7  |
| 110°   | 0.0   | 11.2  | 26.4  | 38.6  | 41.7  |
| 112.5° | 1.0   | 10.2  | 24.4  | 34.6  | 37.6  |
| 115°   | 1.0   | 10.2  | 22.4  | 32.5  | 34.6  |
| 117.5° | 1.0   | 10.2  | 21.3  | 29.5  | 31.5  |
| 120°   | 1.0   | 9.1   | 20.3  | 27.4  | 29.5  |
| 122.5° | 1.0   | 9.1   | 19.3  | 25.4  | 26.4  |
| 125°   | 1.0   | 8.1   | 18.3  | 23.4  | 25.4  |
| 127.5° | 1.0   | 8.1   | 17.3  | 22.4  | 23.4  |
| 130°   | 1.0   | 8.1   | 16.3  | 20.3  | 22.4  |
| 132.5° | 1.0   | 7.1   | 15.2  | 19.3  | 20.3  |
| 135°   | 1.0   | 7.1   | 14.2  | 18.3  | 19.3  |
| 137.5° | 1.0   | 6.1   | 13.2  | 17.3  | 18.3  |
| 140°   | 1.0   | 6.1   | 12.2  | 16.3  | 17.3  |
| 142.5° | 1.0   | 5.1   | 11.2  | 15.2  | 16.3  |
| 145°   | 1.0   | 5.1   | 10.2  | 14.2  | 15.2  |
| 147.5° | 1.0   | 5.1   | 9.1   | 13.2  | 14.2  |
| 150°   | 1.0   | 4.1   | 8.1   | 12.2  | 13.2  |
| 152.5° | 1.0   | 4.1   | 7.1   | 11.2  | 12.2  |
| 155°   | 1.0   | 4.1   | 7.1   | 10.2  | 11.2  |
| 157.5° | 1.0   | 3.0   | 6.1   | 8.1   | 10.2  |
| 160°   | 1.0   | 3.0   | 5.1   | 7.1   | 9.1   |
| 162.5° | 1.0   | 3.0   | 5.1   | 6.1   | 7.1   |
| 165°   | 1.0   | 2.0   | 4.1   | 5.1   | 6.1   |
| 167.5° | 1.0   | 2.0   | 3.0   | 4.1   | 5.1   |
| 170°   | 1.0   | 2.0   | 3.0   | 3.0   | 4.1   |
| 172.5° | 1.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 175°   | 2.0   | 2.0   | 2.0   | 2.0   | 1.0   |
| 177.5° | 2.0   | 2.0   | 2.0   | 1.0   | 1.0   |



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**CANDELA DISTRIBUTION (continued):**

|      |     |       |     |       |     |
|------|-----|-------|-----|-------|-----|
|      | 0°  | 22.5° | 45° | 67.5° | 90° |
| 180° | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 |

(END OF REPORT)