

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: P565661

Luminaire Tested: **2SNX-30SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565661  
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-30SL-LN-UNV-L850-CD  
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

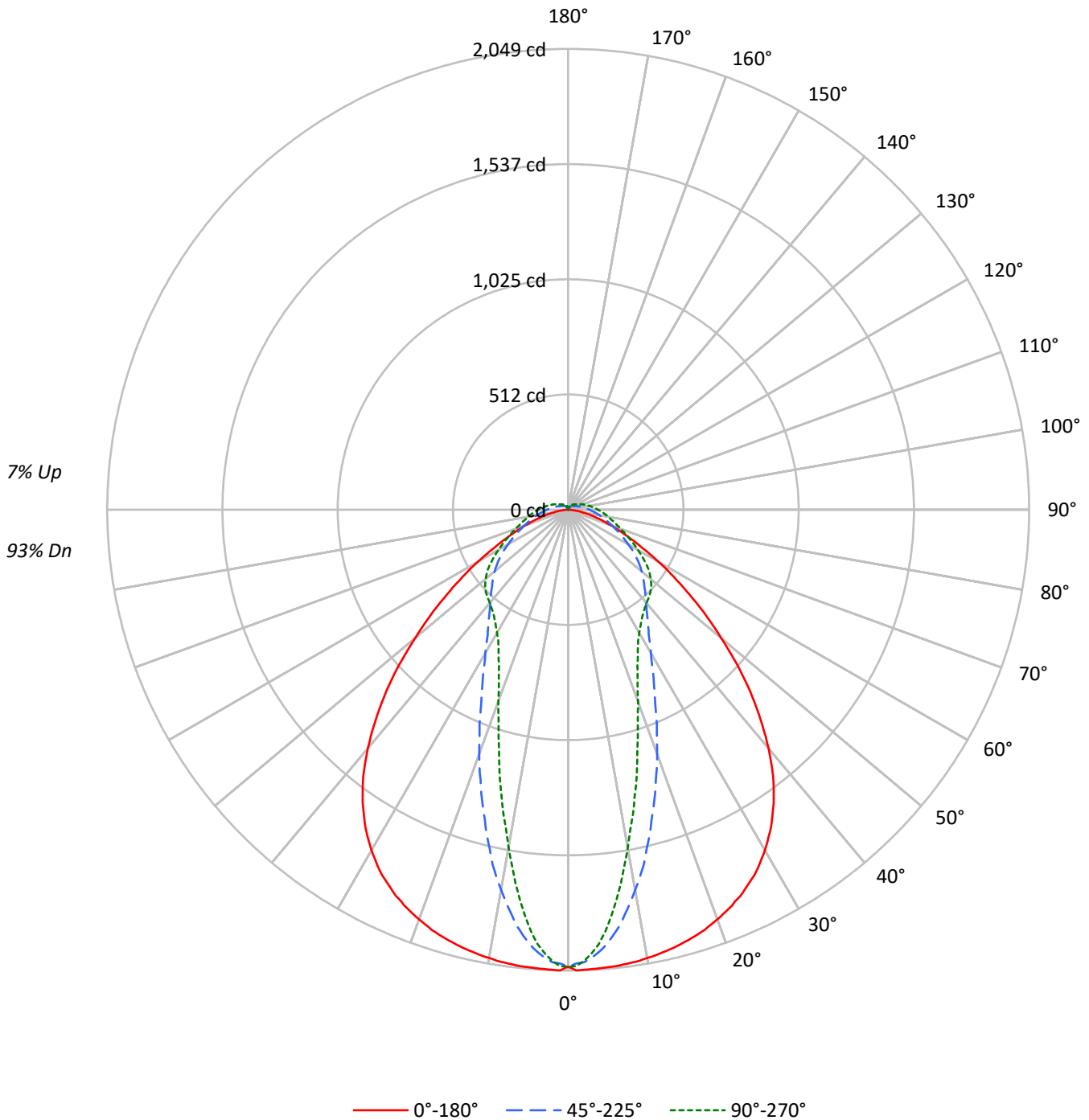
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3239.0 lumens  
Efficiency: N/A  
Efficacy: 154.2 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): 21  
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°  | 43742 | 43742 | 43742 |
| 5°  | 43810 | 40106 | 38474 |
| 10° | 43591 | 34308 | 29851 |
| 15° | 43409 | 27925 | 22374 |
| 20° | 43105 | 22198 | 16744 |
| 25° | 42540 | 17360 | 13288 |
| 30° | 41467 | 14020 | 11335 |
| 35° | 39539 | 11841 | 10311 |
| 40° | 36384 | 10432 | 9759  |
| 45° | 32153 | 9523  | 9457  |
| 50° | 27047 | 8744  | 8934  |
| 55° | 22033 | 7904  | 8160  |
| 60° | 17435 | 6932  | 7158  |
| 65° | 13349 | 6068  | 6229  |
| 70° | 10172 | 5349  | 5508  |
| 75° | 7645  | 4785  | 5020  |
| 80° | 5144  | 4359  | 4665  |
| 85° | 2581  | 4036  | 4476  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 179.9  | 5.6       |
| 10°-20°   | 421.8  | 13.0      |
| 20°-30°   | 500.7  | 15.5      |
| 30°-40°   | 503.7  | 15.6      |
| 40°-50°   | 468.2  | 14.5      |
| 50°-60°   | 385.6  | 11.9      |
| 60°-70°   | 271.7  | 8.4       |
| 70°-80°   | 177.5  | 5.5       |
| 80°-90°   | 113.3  | 3.5       |
| 90°-100°  | 74.3   | 2.3       |
| 100°-110° | 50.5   | 1.6       |
| 110°-120° | 34.6   | 1.1       |
| 120°-130° | 23.9   | 0.7       |
| 130°-140° | 16.1   | 0.5       |
| 140°-150° | 9.9    | 0.3       |
| 150°-160° | 5.2    | 0.2       |
| 160°-170° | 1.9    | 0.1       |
| 170°-180° | 0.3    | 0.0       |
| 0°-30°    | 1102.4 | 34.0      |
| 0°-40°    | 1606.1 | 49.6      |
| 0°-60°    | 2459.9 | 75.9      |
| 0°-90°    | 3022.4 | 93.3      |
| 90°-120°  | 159.4  | 4.9       |
| 90°-150°  | 209.3  | 6.5       |
| 90°-180°  | 217.0  | 6.7       |
| 0°-180°   | 3239.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2032 | 2032  | 2032 | 2032  | 2032 |      |
| 5°   | 2042 | 2015  | 1942 | 1905  | 1884 | 194  |
| 15°  | 1991 | 1779  | 1431 | 1251  | 1183 | 562  |
| 25°  | 1860 | 1375  | 912  | 766   | 733  | 856  |
| 35°  | 1592 | 930   | 618  | 579   | 576  | 990  |
| 45°  | 1144 | 613   | 479  | 504   | 518  | 878  |
| 55°  | 657  | 402   | 370  | 411   | 424  | 593  |
| 65°  | 309  | 243   | 255  | 287   | 297  | 313  |
| 75°  | 120  | 126   | 171  | 202   | 210  | 130  |
| 85°  | 20   | 58    | 115  | 149   | 156  | 26   |
| 90°  | 0    | 39    | 93   | 127   | 132  | 1    |
| 95°  | 0    | 29    | 78   | 107   | 112  | 0    |
| 105° | 0    | 20    | 53   | 75    | 82   | 0    |
| 115° | 2    | 17    | 37   | 54    | 58   | 1    |
| 125° | 2    | 14    | 31   | 39    | 42   | 2    |
| 135° | 2    | 12    | 24   | 31    | 32   | 1    |
| 145° | 2    | 8     | 17   | 24    | 26   | 1    |
| 155° | 2    | 7     | 12   | 17    | 19   | 1    |
| 165° | 2    | 3     | 7    | 8     | 10   | 0    |
| 175° | 3    | 3     | 3    | 3     | 2    | 0    |
| 180° | 2    | 2     | 2    | 2     | 2    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2031.9 | 2031.9 | 2031.9 | 2031.9 | 2031.9 |
| 1°    | 2048.9 | 2040.4 | 2018.3 | 2033.6 | 2030.2 |
| 2°    | 2047.2 | 2038.7 | 2013.2 | 2020.0 | 2008.2 |
| 3°    | 2045.5 | 2033.6 | 1994.6 | 1992.9 | 1975.9 |
| 4°    | 2043.8 | 2025.1 | 1970.8 | 1950.4 | 1936.9 |
| 5°    | 2042.1 | 2014.9 | 1942.0 | 1904.6 | 1884.2 |
| 6°    | 2040.4 | 2003.1 | 1904.6 | 1848.6 | 1819.7 |
| 7°    | 2037.0 | 1984.4 | 1865.6 | 1789.2 | 1751.8 |
| 8°    | 2033.6 | 1967.4 | 1816.3 | 1724.7 | 1678.8 |
| 9°    | 2030.2 | 1945.3 | 1767.1 | 1655.1 | 1600.8 |
| 10°   | 2023.4 | 1923.3 | 1716.2 | 1583.8 | 1526.1 |
| 11°   | 2020.0 | 1897.8 | 1667.0 | 1515.9 | 1448.0 |
| 12°   | 2013.2 | 1870.7 | 1614.3 | 1444.6 | 1385.2 |
| 13°   | 2006.5 | 1841.8 | 1549.8 | 1383.5 | 1312.2 |
| 14°   | 1999.7 | 1811.2 | 1493.8 | 1315.6 | 1249.4 |
| 15°   | 1991.2 | 1779.0 | 1431.0 | 1251.1 | 1183.2 |
| 16°   | 1982.7 | 1741.6 | 1375.0 | 1184.9 | 1113.6 |
| 17°   | 1974.2 | 1706.0 | 1322.4 | 1123.8 | 1059.2 |
| 18°   | 1964.0 | 1670.4 | 1261.3 | 1064.3 | 1001.5 |
| 19°   | 1950.4 | 1629.6 | 1212.0 | 1010.0 | 952.3  |
| 20°   | 1938.6 | 1592.3 | 1156.0 | 959.1  | 908.2  |
| 21°   | 1925.0 | 1546.4 | 1100.0 | 911.6  | 860.6  |
| 22.5° | 1904.6 | 1481.9 | 1028.7 | 852.2  | 804.6  |
| 23°   | 1894.4 | 1463.3 | 999.8  | 830.1  | 789.3  |
| 24°   | 1880.8 | 1414.0 | 952.3  | 796.1  | 755.4  |
| 25°   | 1860.5 | 1375.0 | 911.6  | 765.6  | 733.3  |
| 26°   | 1841.8 | 1327.5 | 870.8  | 738.4  | 706.2  |
| 27°   | 1823.1 | 1281.6 | 835.2  | 709.6  | 682.4  |
| 28°   | 1799.4 | 1234.1 | 796.1  | 685.8  | 662.0  |
| 29°   | 1773.9 | 1190.0 | 763.9  | 665.4  | 646.8  |
| 30°   | 1748.4 | 1140.7 | 736.7  | 646.8  | 631.5  |
| 32.5° | 1677.1 | 1032.1 | 667.1  | 611.1  | 600.9  |
| 35°   | 1592.3 | 930.2  | 617.9  | 578.9  | 575.5  |
| 37.5° | 1497.2 | 836.9  | 573.8  | 553.4  | 556.8  |
| 40°   | 1385.2 | 752.0  | 536.4  | 534.7  | 541.5  |
| 42.5° | 1266.3 | 679.0  | 507.6  | 519.4  | 529.6  |
| 45°   | 1144.1 | 612.8  | 478.7  | 504.2  | 517.7  |
| 47.5° | 1016.8 | 555.1  | 453.2  | 485.5  | 500.8  |
| 50°   | 887.8  | 499.1  | 426.1  | 463.4  | 478.7  |
| 52.5° | 772.4  | 449.8  | 398.9  | 438.0  | 454.9  |
| 55°   | 656.9  | 402.3  | 370.1  | 410.8  | 424.4  |
| 57.5° | 556.8  | 358.2  | 339.5  | 380.2  | 390.4  |
| 60°   | 463.4  | 315.7  | 308.9  | 346.3  | 358.2  |
| 62.5° | 378.5  | 278.4  | 280.1  | 315.7  | 327.6  |
| 65°   | 308.9  | 242.7  | 254.6  | 286.9  | 297.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 67.5°  | 251.2 | 208.8 | 229.2 | 263.1 | 271.6 |
| 70°    | 198.6 | 178.2 | 208.8 | 239.3 | 247.8 |
| 72.5°  | 157.9 | 151.1 | 188.4 | 220.7 | 227.5 |
| 75°    | 120.5 | 125.6 | 171.4 | 202.0 | 210.5 |
| 77.5°  | 86.6  | 105.2 | 154.5 | 186.7 | 193.5 |
| 80°    | 61.1  | 86.6  | 140.9 | 173.1 | 179.9 |
| 82.5°  | 39.0  | 71.3  | 127.3 | 161.3 | 168.1 |
| 85°    | 20.4  | 57.7  | 115.4 | 149.4 | 156.2 |
| 87.5°  | 8.5   | 47.5  | 103.5 | 137.5 | 144.3 |
| 90°    | 0.0   | 39.0  | 93.4  | 127.3 | 132.4 |
| 92.5°  | 0.0   | 34.0  | 84.9  | 117.1 | 122.2 |
| 95°    | 0.0   | 28.9  | 78.1  | 106.9 | 112.0 |
| 97.5°  | 0.0   | 27.2  | 69.6  | 98.5  | 103.5 |
| 100°   | 0.0   | 23.8  | 62.8  | 90.0  | 96.8  |
| 102.5° | 0.0   | 22.1  | 57.7  | 81.5  | 88.3  |
| 105°   | 0.0   | 20.4  | 52.6  | 74.7  | 81.5  |
| 107.5° | 0.0   | 18.7  | 49.2  | 69.6  | 74.7  |
| 110°   | 0.0   | 18.7  | 44.1  | 64.5  | 69.6  |
| 112.5° | 1.7   | 17.0  | 40.7  | 57.7  | 62.8  |
| 115°   | 1.7   | 17.0  | 37.3  | 54.3  | 57.7  |
| 117.5° | 1.7   | 17.0  | 35.6  | 49.2  | 52.6  |
| 120°   | 1.7   | 15.3  | 34.0  | 45.8  | 49.2  |
| 122.5° | 1.7   | 15.3  | 32.3  | 42.4  | 44.1  |
| 125°   | 1.7   | 13.6  | 30.6  | 39.0  | 42.4  |
| 127.5° | 1.7   | 13.6  | 28.9  | 37.3  | 39.0  |
| 130°   | 1.7   | 13.6  | 27.2  | 34.0  | 37.3  |
| 132.5° | 1.7   | 11.9  | 25.5  | 32.3  | 34.0  |
| 135°   | 1.7   | 11.9  | 23.8  | 30.6  | 32.3  |
| 137.5° | 1.7   | 10.2  | 22.1  | 28.9  | 30.6  |
| 140°   | 1.7   | 10.2  | 20.4  | 27.2  | 28.9  |
| 142.5° | 1.7   | 8.5   | 18.7  | 25.5  | 27.2  |
| 145°   | 1.7   | 8.5   | 17.0  | 23.8  | 25.5  |
| 147.5° | 1.7   | 8.5   | 15.3  | 22.1  | 23.8  |
| 150°   | 1.7   | 6.8   | 13.6  | 20.4  | 22.1  |
| 152.5° | 1.7   | 6.8   | 11.9  | 18.7  | 20.4  |
| 155°   | 1.7   | 6.8   | 11.9  | 17.0  | 18.7  |
| 157.5° | 1.7   | 5.1   | 10.2  | 13.6  | 17.0  |
| 160°   | 1.7   | 5.1   | 8.5   | 11.9  | 15.3  |
| 162.5° | 1.7   | 5.1   | 8.5   | 10.2  | 11.9  |
| 165°   | 1.7   | 3.4   | 6.8   | 8.5   | 10.2  |
| 167.5° | 1.7   | 3.4   | 5.1   | 6.8   | 8.5   |
| 170°   | 1.7   | 3.4   | 5.1   | 5.1   | 6.8   |
| 172.5° | 1.7   | 3.4   | 3.4   | 3.4   | 3.4   |
| 175°   | 3.4   | 3.4   | 3.4   | 3.4   | 1.7   |
| 177.5° | 3.4   | 3.4   | 3.4   | 1.7   | 1.7   |



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**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 1.7 | 1.7   | 1.7 | 1.7   | 1.7 |

(END OF REPORT)