

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: P566722

Luminaire Tested: **4SNX-67SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566722  
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: 4SNX-67SL-LC-UNV-L930-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

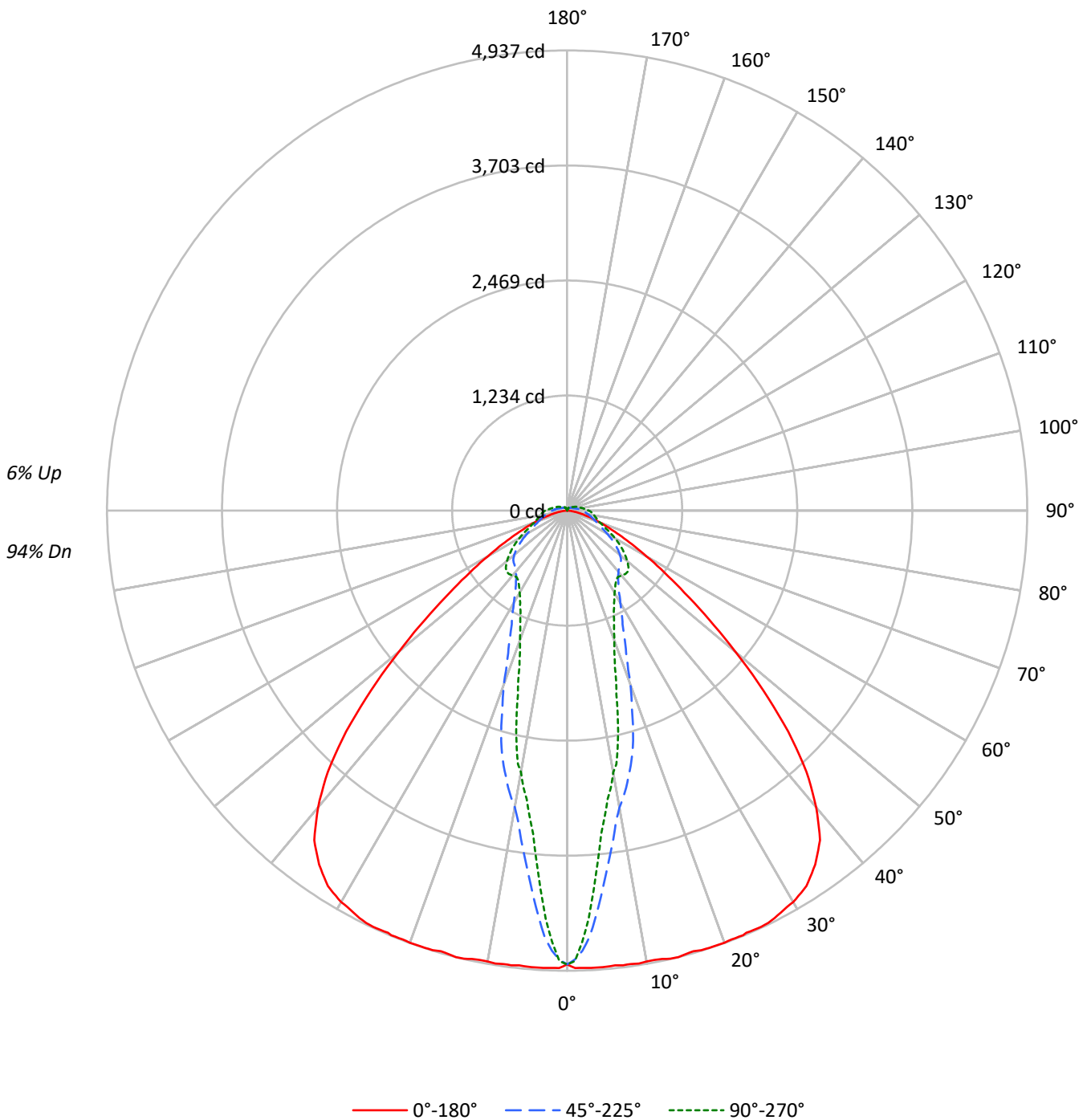
Lumens per Lamp: N/A  
Luminaire Lumens: 6002.0 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 47.9  
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

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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 | 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°  | 52411 | 52411 | 52411 |
| 5°  | 52884 | 43047 | 38532 |
| 10° | 53299 | 32497 | 27886 |
| 15° | 54271 | 26564 | 19310 |
| 20° | 55670 | 19221 | 13638 |
| 25° | 57408 | 13771 | 10729 |
| 30° | 58874 | 11002 | 9137  |
| 35° | 59222 | 9306  | 8184  |
| 40° | 56460 | 8460  | 8204  |
| 45° | 48995 | 8174  | 8428  |
| 50° | 37588 | 7773  | 7865  |
| 55° | 27240 | 6797  | 6978  |
| 60° | 19764 | 5673  | 5901  |
| 65° | 14384 | 4796  | 4837  |
| 70° | 10598 | 4237  | 4171  |
| 75° | 7529  | 3924  | 3887  |
| 80° | 4934  | 3673  | 3829  |
| 85° | 2317  | 3502  | 3834  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 382.9  | 6.4       |
| 10°-20°   | 831.5  | 13.9      |
| 20°-30°   | 951.8  | 15.9      |
| 30°-40°   | 953.5  | 15.9      |
| 40°-50°   | 902.6  | 15.0      |
| 50°-60°   | 692.2  | 11.5      |
| 60°-70°   | 446.2  | 7.4       |
| 70°-80°   | 284.5  | 4.7       |
| 80°-90°   | 188.9  | 3.1       |
| 90°-100°  | 127.0  | 2.1       |
| 100°-110° | 83.7   | 1.4       |
| 110°-120° | 58.2   | 1.0       |
| 120°-130° | 40.6   | 0.7       |
| 130°-140° | 28.2   | 0.5       |
| 140°-150° | 17.3   | 0.3       |
| 150°-160° | 8.8    | 0.1       |
| 160°-170° | 3.4    | 0.1       |
| 170°-180° | 0.7    | 0.0       |
| 0°-30°    | 2166.2 | 36.1      |
| 0°-40°    | 3119.7 | 52.0      |
| 0°-60°    | 4714.6 | 78.5      |
| 0°-90°    | 5634.2 | 93.9      |
| 90°-120°  | 268.9  | 4.5       |
| 90°-150°  | 355.0  | 5.9       |
| 90°-180°  | 368.0  | 6.1       |
| 0°-180°   | 6002.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 4869 | 4869  | 4869 | 4869  | 4869 |      |
| 5°   | 4912 | 4642  | 4159 | 3879  | 3774 | 469  |
| 15°  | 4924 | 3546  | 2704 | 2221  | 2042 | 1397 |
| 25°  | 4928 | 2510  | 1430 | 1243  | 1184 | 2272 |
| 35°  | 4638 | 1396  | 957  | 926   | 914  | 2878 |
| 45°  | 3353 | 883   | 806  | 892   | 923  | 2549 |
| 55°  | 1538 | 631   | 621  | 698   | 726  | 1414 |
| 65°  | 615  | 397   | 391  | 446   | 461  | 633  |
| 75°  | 209  | 215   | 271  | 311   | 326  | 230  |
| 85°  | 28   | 98    | 191  | 249   | 268  | 38   |
| 90°  | 0    | 68    | 160  | 222   | 231  | 1    |
| 95°  | 0    | 49    | 132  | 182   | 191  | 0    |
| 105° | 0    | 37    | 86   | 123   | 132  | 2    |
| 115° | 3    | 31    | 65   | 89    | 95   | 3    |
| 125° | 3    | 28    | 55   | 65    | 68   | 3    |
| 135° | 3    | 22    | 43   | 52    | 55   | 2    |
| 145° | 3    | 15    | 31   | 40    | 43   | 2    |
| 155° | 3    | 9     | 18   | 28    | 31   | 2    |
| 165° | 6    | 6     | 12   | 15    | 18   | 2    |
| 175° | 6    | 6     | 6    | 6     | 3    | 1    |
| 180° | 6    | 6     | 6    | 6     | 6    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4869.1 | 4869.1 | 4869.1 | 4869.1 | 4869.1 |
| 1°    | 4909.1 | 4881.4 | 4816.8 | 4835.3 | 4832.2 |
| 2°    | 4909.1 | 4850.7 | 4724.5 | 4687.6 | 4632.3 |
| 3°    | 4912.2 | 4798.4 | 4583.1 | 4463.1 | 4386.2 |
| 4°    | 4912.2 | 4721.5 | 4373.9 | 4174.0 | 4075.5 |
| 5°    | 4912.2 | 4641.5 | 4158.6 | 3878.7 | 3774.1 |
| 6°    | 4906.0 | 4546.1 | 3940.2 | 3644.9 | 3488.0 |
| 7°    | 4915.3 | 4441.6 | 3743.3 | 3426.5 | 3303.5 |
| 8°    | 4912.2 | 4318.5 | 3561.9 | 3260.4 | 3125.1 |
| 9°    | 4921.4 | 4198.6 | 3365.0 | 3103.6 | 3002.1 |
| 10°   | 4912.2 | 4087.8 | 3235.8 | 2955.9 | 2851.3 |
| 11°   | 4912.2 | 3980.2 | 3143.5 | 2860.6 | 2771.4 |
| 12°   | 4918.3 | 3857.2 | 3042.0 | 2725.2 | 2602.2 |
| 13°   | 4933.7 | 3731.0 | 2925.2 | 2577.6 | 2433.0 |
| 14°   | 4936.8 | 3635.7 | 2817.5 | 2390.0 | 2239.2 |
| 15°   | 4924.5 | 3546.5 | 2703.7 | 2220.8 | 2042.4 |
| 16°   | 4918.3 | 3454.2 | 2568.4 | 2060.8 | 1900.9 |
| 17°   | 4930.6 | 3346.6 | 2414.6 | 1897.8 | 1750.2 |
| 18°   | 4933.7 | 3248.1 | 2251.5 | 1774.8 | 1645.6 |
| 19°   | 4933.7 | 3171.2 | 2119.3 | 1661.0 | 1550.2 |
| 20°   | 4933.7 | 3097.4 | 1983.9 | 1574.8 | 1479.5 |
| 21°   | 4927.6 | 3005.1 | 1830.1 | 1485.6 | 1405.7 |
| 22.5° | 4930.6 | 2832.9 | 1654.8 | 1381.1 | 1316.5 |
| 23°   | 4921.4 | 2789.8 | 1611.8 | 1353.4 | 1285.7 |
| 24°   | 4924.5 | 2666.8 | 1519.5 | 1298.0 | 1233.4 |
| 25°   | 4927.6 | 2509.9 | 1430.3 | 1242.7 | 1184.2 |
| 26°   | 4921.4 | 2383.8 | 1356.5 | 1190.4 | 1150.4 |
| 27°   | 4906.0 | 2282.3 | 1304.2 | 1147.3 | 1110.4 |
| 28°   | 4884.5 | 2147.0 | 1248.8 | 1110.4 | 1076.6 |
| 29°   | 4863.0 | 1993.2 | 1193.4 | 1070.4 | 1045.8 |
| 30°   | 4850.7 | 1870.1 | 1141.2 | 1039.6 | 1018.1 |
| 32.5° | 4776.8 | 1627.1 | 1033.5 | 978.1  | 959.7  |
| 35°   | 4638.4 | 1396.4 | 956.6  | 925.8  | 913.5  |
| 37.5° | 4456.9 | 1218.0 | 898.2  | 892.0  | 895.1  |
| 40°   | 4158.6 | 1076.6 | 855.1  | 882.8  | 910.5  |
| 42.5° | 3801.8 | 965.8  | 824.3  | 892.0  | 922.8  |
| 45°   | 3352.7 | 882.8  | 805.9  | 892.0  | 922.8  |
| 47.5° | 2854.4 | 815.1  | 784.3  | 861.2  | 892.0  |
| 50°   | 2356.1 | 753.6  | 741.3  | 815.1  | 842.8  |
| 52.5° | 1916.3 | 695.1  | 685.9  | 756.7  | 784.3  |
| 55°   | 1537.9 | 630.6  | 621.3  | 698.2  | 725.9  |
| 57.5° | 1233.4 | 569.0  | 559.8  | 630.6  | 658.2  |
| 60°   | 984.3  | 507.5  | 492.1  | 562.9  | 590.6  |
| 62.5° | 784.3  | 449.1  | 439.9  | 501.4  | 526.0  |
| 65°   | 615.2  | 396.8  | 390.6  | 446.0  | 461.4  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 67.5°  | 486.0 | 347.6 | 350.7 | 396.8 | 415.2 |
| 70°    | 375.3 | 301.4 | 319.9 | 363.0 | 375.3 |
| 72.5°  | 283.0 | 255.3 | 295.3 | 332.2 | 347.6 |
| 75°    | 209.2 | 215.3 | 270.7 | 310.7 | 326.0 |
| 77.5°  | 144.6 | 178.4 | 249.1 | 292.2 | 307.6 |
| 80°    | 98.4  | 144.6 | 227.6 | 276.8 | 295.3 |
| 82.5°  | 58.4  | 120.0 | 209.2 | 261.4 | 283.0 |
| 85°    | 27.7  | 98.4  | 190.7 | 249.1 | 267.6 |
| 87.5°  | 9.2   | 80.0  | 172.2 | 236.8 | 252.2 |
| 90°    | 0.0   | 67.7  | 159.9 | 221.5 | 230.7 |
| 92.5°  | 0.0   | 58.4  | 144.6 | 203.0 | 209.2 |
| 95°    | 0.0   | 49.2  | 132.3 | 181.5 | 190.7 |
| 97.5°  | 0.0   | 46.1  | 123.0 | 163.0 | 175.3 |
| 100°   | 0.0   | 43.1  | 110.7 | 147.6 | 159.9 |
| 102.5° | 0.0   | 36.9  | 98.4  | 132.3 | 144.6 |
| 105°   | 0.0   | 36.9  | 86.1  | 123.0 | 132.3 |
| 107.5° | 3.1   | 33.8  | 80.0  | 110.7 | 123.0 |
| 110°   | 3.1   | 33.8  | 70.7  | 104.6 | 113.8 |
| 112.5° | 3.1   | 33.8  | 67.7  | 95.4  | 107.7 |
| 115°   | 3.1   | 30.8  | 64.6  | 89.2  | 95.4  |
| 117.5° | 3.1   | 30.8  | 61.5  | 80.0  | 86.1  |
| 120°   | 3.1   | 27.7  | 58.4  | 73.8  | 76.9  |
| 122.5° | 3.1   | 27.7  | 55.4  | 67.7  | 70.7  |
| 125°   | 3.1   | 27.7  | 55.4  | 64.6  | 67.7  |
| 127.5° | 3.1   | 24.6  | 52.3  | 61.5  | 61.5  |
| 130°   | 3.1   | 24.6  | 49.2  | 58.4  | 58.4  |
| 132.5° | 3.1   | 21.5  | 46.1  | 55.4  | 58.4  |
| 135°   | 3.1   | 21.5  | 43.1  | 52.3  | 55.4  |
| 137.5° | 3.1   | 18.5  | 40.0  | 49.2  | 52.3  |
| 140°   | 3.1   | 18.5  | 36.9  | 46.1  | 49.2  |
| 142.5° | 3.1   | 15.4  | 33.8  | 43.1  | 46.1  |
| 145°   | 3.1   | 15.4  | 30.8  | 40.0  | 43.1  |
| 147.5° | 3.1   | 15.4  | 27.7  | 36.9  | 40.0  |
| 150°   | 3.1   | 12.3  | 24.6  | 33.8  | 36.9  |
| 152.5° | 3.1   | 12.3  | 21.5  | 30.8  | 33.8  |
| 155°   | 3.1   | 9.2   | 18.5  | 27.7  | 30.8  |
| 157.5° | 3.1   | 9.2   | 18.5  | 24.6  | 27.7  |
| 160°   | 6.2   | 9.2   | 15.4  | 21.5  | 24.6  |
| 162.5° | 3.1   | 6.2   | 15.4  | 18.5  | 21.5  |
| 165°   | 6.2   | 6.2   | 12.3  | 15.4  | 18.5  |
| 167.5° | 6.2   | 6.2   | 9.2   | 12.3  | 15.4  |
| 170°   | 6.2   | 6.2   | 9.2   | 9.2   | 12.3  |
| 172.5° | 6.2   | 6.2   | 6.2   | 9.2   | 6.2   |
| 175°   | 6.2   | 6.2   | 6.2   | 6.2   | 3.1   |
| 177.5° | 6.2   | 6.2   | 6.2   | 6.2   | 3.1   |



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CATALOG NUMBER: 4SNX-67SL-LC-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

|      | 0°  | 22.5° | 45° | 67.5° | 90° |
|------|-----|-------|-----|-------|-----|
| 180° | 6.2 | 6.2   | 6.2 | 6.2   | 6.2 |

(END OF REPORT)