

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: McGRAW-EDISON

Report Number: P450609

Luminaire Tested: **GALN-SA1B-830-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P450609  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA1B-830-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3944 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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: 24 FT



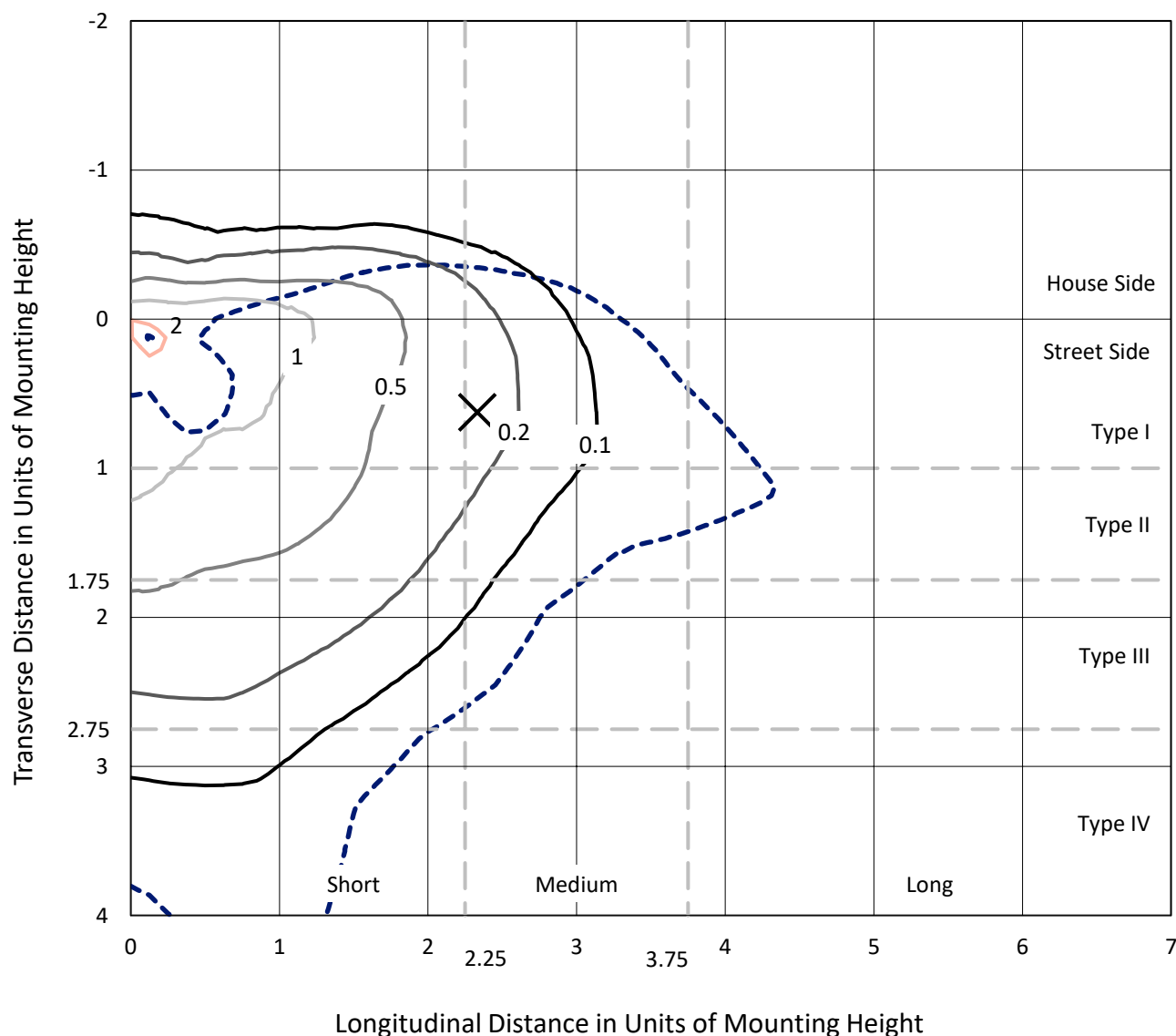
REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

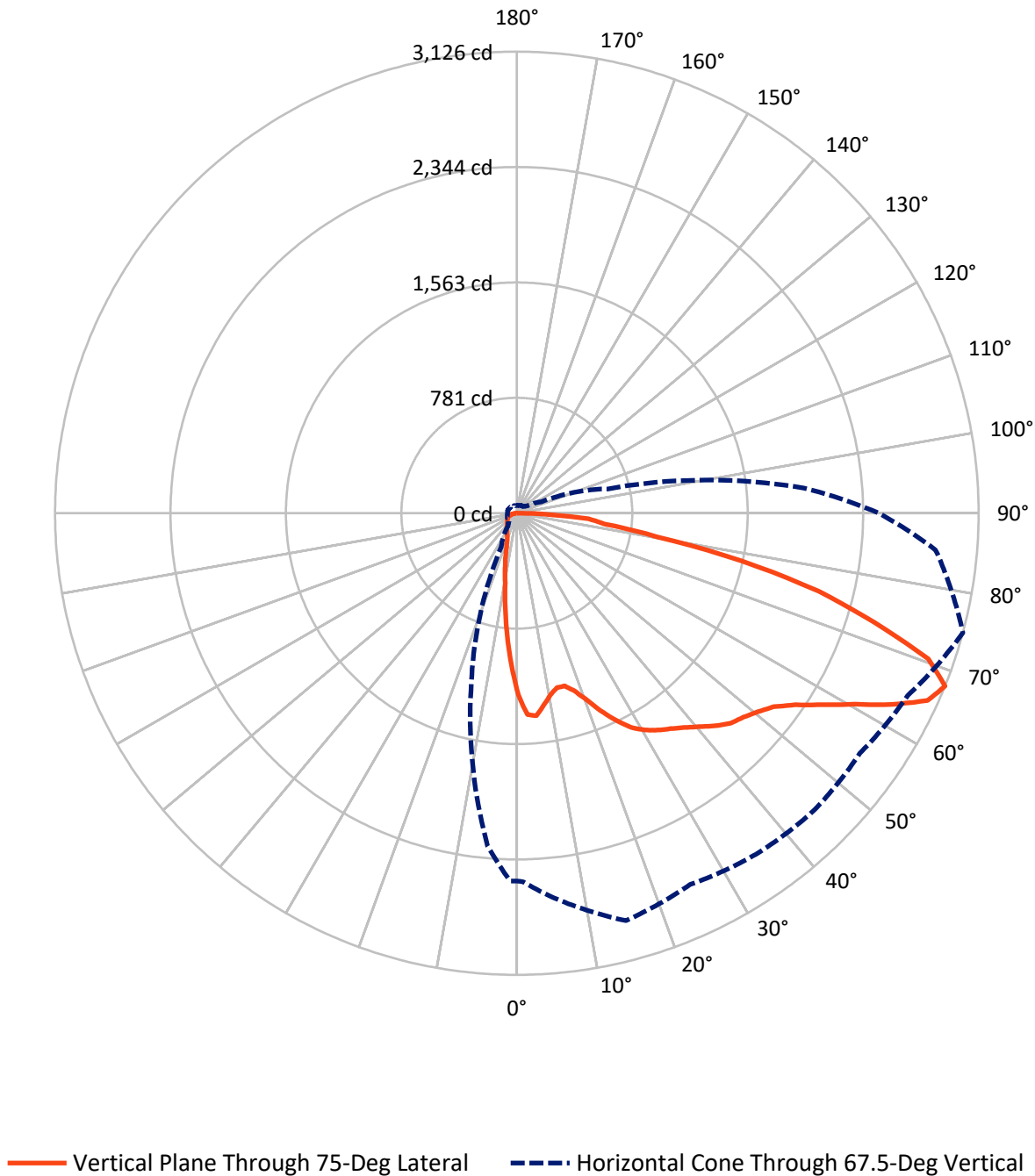
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P450609  
CATALOG NUMBER: GALN-SA1B-830-U-SLL

## Luminous Intensity Polar Plot



REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

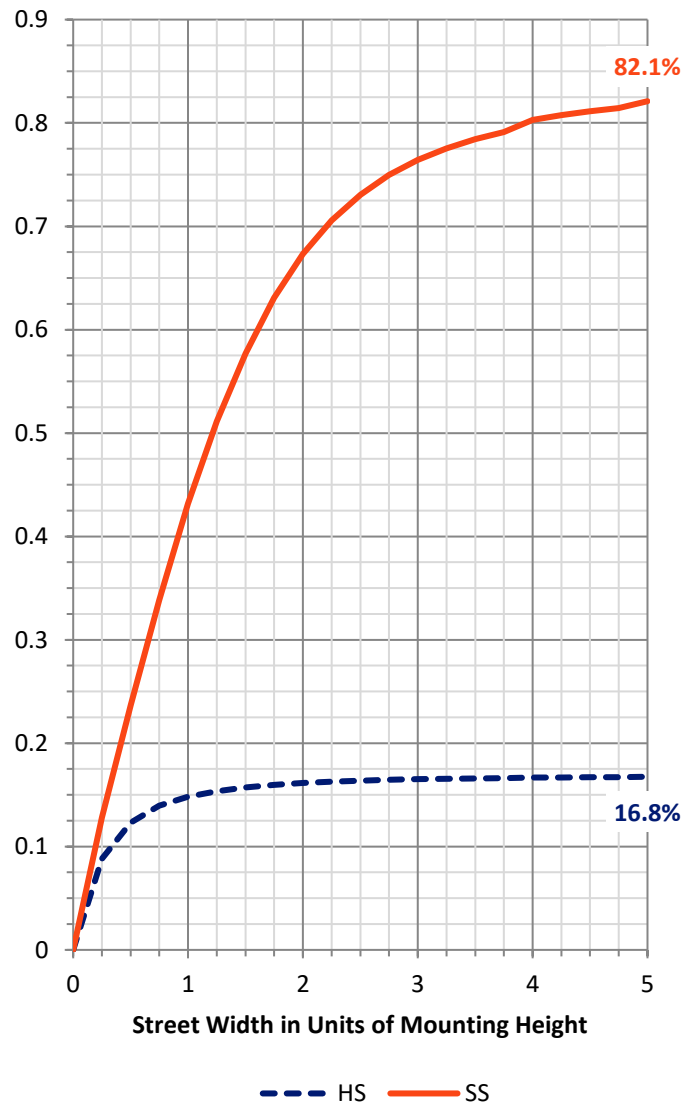
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 666.6    | 0.0    | 666.6  |
|                    | % Fixture | 16.9     | 0.0    | 16.9   |
| <b>Street Side</b> | Lumens    | 3277.4   | 0.0    | 3277.4 |
|                    | % Fixture | 83.1     | 0.0    | 83.1   |
| <b>Total</b>       | Lumens    | 3944.0   | 0.0    | 3944.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.5   | 2.4       |
| 10°-20°   | 194.9  | 4.9       |
| 20°-30°   | 280.5  | 7.1       |
| 30°-40°   | 404.0  | 10.2      |
| 40°-50°   | 567.5  | 14.4      |
| 50°-60°   | 791.4  | 20.1      |
| 60°-70°   | 940.9  | 23.9      |
| 70°-80°   | 554.2  | 14.1      |
| 80°-90°   | 117.2  | 3.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3944.0 | 100.0     |
| 0°-180°   | 3944.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P450609

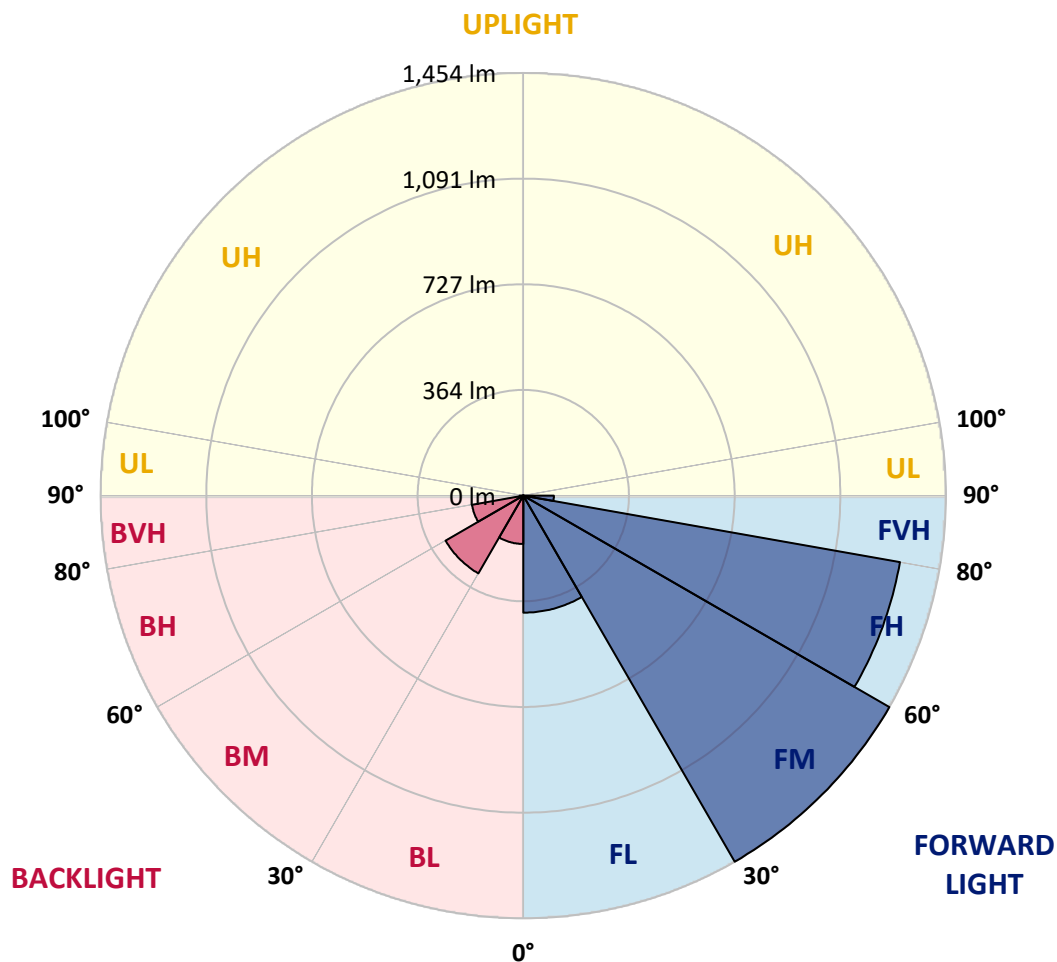
CATALOG NUMBER: GALN-SA1B-830-U-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 402.6  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 1454.0 | 36.9      |                         |      |         |
| FH   | (60°-80°)   | 1315.7 | 33.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 105.1  | 2.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 166.3  | 4.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 308.9  | 7.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 179.4  | 4.5       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 12.1   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Medium



REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5°  | 1328.6 | 1330.3 | 1341.7 | 1374.8 | 1397.6 | 1406.0 | 1411.8 | 1400.9 | 1390.3 | 1364.5 | 1325.5 |
| 5°    | 1324.5 | 1334.9 | 1364.5 | 1438.8 | 1497.5 | 1522.8 | 1530.4 | 1497.8 | 1443.9 | 1377.6 | 1298.0 |
| 7.5°  | 1247.1 | 1261.0 | 1306.6 | 1431.2 | 1534.7 | 1593.9 | 1586.0 | 1527.1 | 1430.0 | 1311.9 | 1200.6 |
| 10°   | 1155.3 | 1170.7 | 1225.6 | 1376.4 | 1509.6 | 1591.1 | 1591.1 | 1519.3 | 1390.3 | 1249.9 | 1121.7 |
| 12.5° | 1082.5 | 1098.7 | 1161.4 | 1320.0 | 1457.5 | 1534.7 | 1547.6 | 1485.9 | 1361.7 | 1210.7 | 1069.8 |
| 15°   | 1058.4 | 1074.1 | 1141.7 | 1285.8 | 1402.4 | 1449.5 | 1453.8 | 1433.5 | 1347.8 | 1213.5 | 1067.6 |
| 17.5° | 1088.3 | 1108.5 | 1176.8 | 1295.9 | 1351.8 | 1354.6 | 1357.9 | 1373.8 | 1349.3 | 1264.3 | 1113.6 |
| 20°   | 1174.5 | 1196.3 | 1267.6 | 1328.6 | 1307.6 | 1278.7 | 1280.5 | 1321.5 | 1367.3 | 1348.3 | 1223.6 |
| 22.5° | 1299.0 | 1317.9 | 1391.0 | 1386.0 | 1288.9 | 1229.4 | 1217.0 | 1274.2 | 1393.8 | 1453.0 | 1340.7 |
| 25°   | 1433.3 | 1455.5 | 1539.5 | 1471.2 | 1294.2 | 1200.1 | 1192.2 | 1246.4 | 1421.4 | 1550.9 | 1476.0 |
| 27.5° | 1587.0 | 1608.8 | 1675.1 | 1557.2 | 1322.0 | 1197.8 | 1188.4 | 1243.8 | 1446.2 | 1641.4 | 1605.2 |
| 30°   | 1701.4 | 1721.3 | 1766.4 | 1629.5 | 1356.1 | 1213.0 | 1201.3 | 1263.8 | 1467.4 | 1703.4 | 1731.2 |
| 32.5° | 1791.1 | 1811.9 | 1836.4 | 1674.5 | 1401.1 | 1240.5 | 1219.0 | 1300.2 | 1495.2 | 1750.7 | 1824.5 |
| 35°   | 1884.7 | 1909.3 | 1907.5 | 1714.5 | 1443.1 | 1272.4 | 1251.4 | 1352.8 | 1539.0 | 1791.9 | 1942.9 |
| 37.5° | 2003.3 | 2013.2 | 2000.6 | 1750.4 | 1493.5 | 1329.8 | 1318.2 | 1431.0 | 1601.2 | 1841.7 | 2081.2 |
| 40°   | 2123.7 | 2143.4 | 2078.5 | 1793.9 | 1554.7 | 1437.8 | 1436.6 | 1546.6 | 1675.1 | 1900.1 | 2215.3 |
| 42.5° | 2226.9 | 2243.6 | 2151.3 | 1831.9 | 1628.8 | 1569.6 | 1579.2 | 1701.6 | 1771.9 | 1967.9 | 2323.0 |
| 45°   | 2304.6 | 2319.5 | 2218.6 | 1868.5 | 1726.4 | 1721.8 | 1778.5 | 1867.8 | 1894.1 | 2028.9 | 2386.2 |
| 47.5° | 2370.6 | 2385.0 | 2265.4 | 1924.2 | 1847.0 | 1903.7 | 2002.3 | 2041.0 | 1998.5 | 2063.8 | 2457.1 |
| 50°   | 2426.2 | 2430.5 | 2297.5 | 1990.4 | 1996.8 | 2126.5 | 2222.1 | 2247.1 | 2101.7 | 2113.9 | 2518.5 |
| 52.5° | 2484.1 | 2478.6 | 2352.9 | 2073.9 | 2158.6 | 2337.9 | 2407.5 | 2433.5 | 2200.6 | 2175.6 | 2608.1 |
| 55°   | 2613.9 | 2619.2 | 2477.0 | 2179.1 | 2322.3 | 2545.6 | 2637.1 | 2612.1 | 2310.1 | 2289.1 | 2721.9 |
| 57.5° | 2770.7 | 2766.1 | 2651.8 | 2343.8 | 2488.9 | 2738.8 | 2807.1 | 2766.9 | 2456.3 | 2445.2 | 2837.2 |
| 60°   | 2831.6 | 2837.7 | 2798.0 | 2520.8 | 2653.3 | 2908.0 | 2977.8 | 2915.3 | 2631.6 | 2626.5 | 2924.2 |
| 62.5° | 2770.4 | 2804.6 | 2831.4 | 2678.4 | 2793.4 | 3032.4 | 3101.7 | 3030.4 | 2814.4 | 2851.1 | 2985.1 |
| 65°   | 2648.5 | 2655.9 | 2747.2 | 2811.9 | 2861.0 | 3052.9 | 3089.1 | 3051.2 | 2967.2 | 3055.7 | 2982.4 |
| 67.5° | 2490.2 | 2496.5 | 2603.5 | 2855.7 | 2774.0 | 2820.2 | 2845.5 | 2834.4 | 2919.9 | 3125.8 | 2845.0 |
| 70°   | 2339.5 | 2334.4 | 2447.5 | 2744.1 | 2414.8 | 2344.5 | 2365.5 | 2330.6 | 2519.5 | 2954.5 | 2575.7 |
| 72.5° | 2046.1 | 2064.3 | 2185.7 | 2434.0 | 1912.0 | 1797.7 | 1843.5 | 1753.2 | 1937.8 | 2530.4 | 2090.6 |
| 75°   | 1602.7 | 1607.0 | 1809.6 | 2042.8 | 1442.4 | 1262.0 | 1324.0 | 1286.3 | 1484.4 | 2110.8 | 1443.6 |
| 77.5° | 1109.8 | 1100.2 | 1317.9 | 1560.2 | 1028.6 | 923.9  | 924.9  | 907.0  | 1036.4 | 1554.2 | 980.8  |
| 80°   | 704.9  | 690.2  | 825.0  | 963.9  | 706.9  | 756.2  | 731.4  | 730.7  | 674.8  | 958.8  | 593.1  |
| 82.5° | 380.9  | 397.1  | 521.3  | 604.2  | 507.1  | 584.5  | 535.7  | 520.0  | 463.1  | 600.2  | 379.4  |
| 85°   | 173.5  | 188.7  | 278.0  | 411.0  | 385.2  | 389.5  | 260.2  | 307.0  | 383.2  | 487.4  | 202.6  |
| 87.5° | 16.9   | 21.8   | 57.4   | 194.0  | 131.5  | 103.7  | 38.7   | 74.6   | 96.4   | 173.2  | 16.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5°  | 1309.6 | 1296.4 | 1251.7 | 1214.7 | 1175.5 | 1145.7 | 1106.8 | 1080.7 | 1062.7 | 1035.7 | 1032.4 |
| 5°    | 1249.4 | 1217.3 | 1139.4 | 1060.0 | 991.4  | 939.8  | 887.5  | 839.4  | 811.1  | 802.2  | 790.9  |
| 7.5°  | 1148.0 | 1093.9 | 993.7  | 902.7  | 824.0  | 747.1  | 687.9  | 645.9  | 617.9  | 601.4  | 581.7  |
| 10°   | 1064.5 | 1001.8 | 879.9  | 768.4  | 703.6  | 655.8  | 603.7  | 558.7  | 524.0  | 494.4  | 478.3  |
| 12.5° | 1008.4 | 937.6  | 800.5  | 709.9  | 659.9  | 609.0  | 548.1  | 497.5  | 446.4  | 412.8  | 398.3  |
| 15°   | 991.4  | 916.6  | 775.9  | 680.8  | 609.0  | 542.5  | 474.2  | 408.2  | 357.6  | 325.8  | 315.1  |
| 17.5° | 1032.9 | 942.4  | 775.7  | 642.1  | 549.3  | 469.9  | 382.4  | 320.4  | 268.6  | 244.8  | 237.2  |
| 20°   | 1110.3 | 991.9  | 778.0  | 604.0  | 484.6  | 372.8  | 278.2  | 227.4  | 202.6  | 192.5  | 188.7  |
| 22.5° | 1218.3 | 1067.6 | 784.8  | 566.3  | 413.8  | 286.3  | 208.4  | 182.6  | 173.8  | 172.0  | 171.2  |
| 25°   | 1351.3 | 1161.1 | 807.8  | 532.4  | 354.1  | 218.5  | 174.3  | 162.6  | 157.6  | 155.8  | 155.5  |
| 27.5° | 1473.7 | 1282.0 | 835.6  | 503.3  | 296.4  | 188.4  | 157.6  | 147.7  | 142.6  | 142.4  | 142.9  |
| 30°   | 1584.3 | 1383.2 | 858.9  | 470.7  | 252.7  | 167.4  | 146.7  | 136.8  | 132.0  | 131.8  | 133.3  |
| 32.5° | 1679.9 | 1466.4 | 876.1  | 438.6  | 228.4  | 154.5  | 136.8  | 126.2  | 122.2  | 121.4  | 122.2  |
| 35°   | 1782.0 | 1549.4 | 868.3  | 413.5  | 214.5  | 143.9  | 129.5  | 119.1  | 114.3  | 112.0  | 112.0  |
| 37.5° | 1898.6 | 1634.8 | 854.9  | 392.8  | 208.1  | 135.1  | 123.2  | 113.1  | 108.2  | 106.0  | 105.7  |
| 40°   | 2025.8 | 1720.3 | 836.4  | 374.3  | 201.8  | 129.7  | 118.9  | 108.2  | 102.4  | 100.2  | 99.6   |
| 42.5° | 2138.1 | 1793.4 | 821.2  | 362.2  | 191.5  | 130.8  | 115.1  | 104.7  | 97.4   | 94.3   | 94.1   |
| 45°   | 2235.8 | 1867.0 | 818.4  | 355.1  | 182.9  | 129.2  | 114.1  | 101.9  | 93.3   | 90.0   | 89.5   |
| 47.5° | 2312.1 | 1943.6 | 834.4  | 351.0  | 173.5  | 121.1  | 120.6  | 100.2  | 89.8   | 86.2   | 85.7   |
| 50°   | 2405.2 | 2052.4 | 870.8  | 342.7  | 164.9  | 113.6  | 127.5  | 99.9   | 87.0   | 82.5   | 81.2   |
| 52.5° | 2529.1 | 2194.0 | 920.1  | 327.8  | 152.5  | 106.5  | 121.7  | 99.9   | 83.7   | 79.2   | 77.6   |
| 55°   | 2716.6 | 2374.6 | 968.4  | 306.8  | 135.1  | 97.1   | 109.8  | 96.9   | 78.9   | 74.9   | 73.9   |
| 57.5° | 2840.7 | 2506.6 | 999.3  | 277.7  | 113.3  | 90.3   | 94.6   | 92.1   | 74.1   | 69.8   | 69.8   |
| 60°   | 2847.1 | 2542.0 | 984.6  | 241.0  | 99.6   | 84.0   | 82.2   | 92.8   | 69.8   | 65.3   | 64.7   |
| 62.5° | 2774.2 | 2455.3 | 908.2  | 208.1  | 92.3   | 77.1   | 74.4   | 81.4   | 65.5   | 61.0   | 60.2   |
| 65°   | 2660.4 | 2234.0 | 775.7  | 192.5  | 88.3   | 71.1   | 67.0   | 66.8   | 61.0   | 56.7   | 55.6   |
| 67.5° | 2451.2 | 1952.2 | 637.3  | 183.4  | 86.2   | 64.2   | 60.4   | 59.2   | 55.6   | 52.1   | 51.6   |
| 70°   | 2142.9 | 1635.1 | 511.1  | 179.6  | 85.2   | 57.2   | 54.1   | 52.6   | 49.6   | 46.8   | 46.5   |
| 72.5° | 1667.2 | 1326.3 | 421.9  | 177.0  | 84.7   | 50.6   | 47.3   | 45.3   | 43.5   | 41.0   | 41.0   |
| 75°   | 1197.5 | 975.7  | 322.0  | 159.6  | 78.4   | 43.5   | 40.0   | 38.7   | 36.2   | 34.1   | 34.6   |
| 77.5° | 754.9  | 657.1  | 211.9  | 117.4  | 60.7   | 34.9   | 31.9   | 31.1   | 29.1   | 26.3   | 28.1   |
| 80°   | 509.9  | 462.1  | 123.7  | 73.9   | 38.2   | 25.5   | 24.5   | 24.3   | 22.0   | 19.0   | 19.2   |
| 82.5° | 347.0  | 340.4  | 64.2   | 42.0   | 22.0   | 14.9   | 14.4   | 14.9   | 12.4   | 10.1   | 10.1   |
| 85°   | 135.6  | 185.1  | 30.3   | 16.4   | 7.1    | 2.3    | 3.3    | 3.5    | 2.0    | 1.0    | 1.3    |
| 87.5° | 2.5    | 19.0   | 0.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5°  | 1027.3 | 1025.1 | 1028.9 | 1012.7 | 1016.0 | 1022.0 | 1025.1 | 1026.8 | 1051.9 | 1046.1 | 1062.0 |
| 5°    | 801.5  | 799.2  | 813.9  | 815.9  | 823.5  | 822.0  | 829.3  | 831.1  | 840.2  | 843.5  | 865.7  |
| 7.5°  | 583.0  | 592.8  | 609.5  | 618.1  | 631.0  | 635.1  | 631.3  | 640.6  | 621.7  | 635.3  | 639.4  |
| 10°   | 468.4  | 456.5  | 449.4  | 469.2  | 471.7  | 490.4  | 482.8  | 476.7  | 487.9  | 488.4  | 499.0  |
| 12.5° | 390.0  | 364.4  | 347.5  | 353.1  | 359.1  | 367.2  | 368.5  | 380.6  | 388.7  | 396.3  | 402.6  |
| 15°   | 305.8  | 296.9  | 281.5  | 273.9  | 282.5  | 285.8  | 293.6  | 303.8  | 312.3  | 314.6  | 323.2  |
| 17.5° | 234.7  | 236.2  | 233.7  | 229.1  | 234.5  | 237.0  | 237.5  | 237.7  | 240.0  | 238.5  | 251.1  |
| 20°   | 188.9  | 194.2  | 200.6  | 201.6  | 203.3  | 204.6  | 202.3  | 193.7  | 194.0  | 199.3  | 203.3  |
| 22.5° | 171.0  | 172.0  | 179.1  | 181.3  | 186.9  | 184.6  | 178.1  | 174.0  | 173.5  | 174.8  | 176.8  |
| 25°   | 156.8  | 158.3  | 163.4  | 166.9  | 171.2  | 167.2  | 162.4  | 158.6  | 158.1  | 159.3  | 161.4  |
| 27.5° | 144.2  | 146.4  | 151.0  | 154.5  | 158.6  | 154.8  | 150.2  | 146.9  | 146.7  | 146.4  | 147.7  |
| 30°   | 134.0  | 136.6  | 139.9  | 143.9  | 146.7  | 143.4  | 139.1  | 137.3  | 137.1  | 136.6  | 137.1  |
| 32.5° | 123.9  | 128.0  | 131.3  | 133.3  | 136.1  | 133.5  | 130.3  | 129.2  | 127.5  | 126.0  | 125.2  |
| 35°   | 112.5  | 116.8  | 121.9  | 124.4  | 127.2  | 124.7  | 122.4  | 118.1  | 115.1  | 114.8  | 115.3  |
| 37.5° | 106.0  | 107.7  | 111.8  | 116.1  | 118.9  | 117.6  | 113.3  | 109.0  | 108.2  | 108.2  | 108.8  |
| 40°   | 100.2  | 100.9  | 102.7  | 108.2  | 113.3  | 109.5  | 104.2  | 102.9  | 102.9  | 102.7  | 102.9  |
| 42.5° | 94.3   | 95.1   | 95.1   | 99.4   | 107.5  | 101.4  | 97.4   | 97.4   | 97.4   | 97.6   | 98.4   |
| 45°   | 89.0   | 89.3   | 89.0   | 92.1   | 99.6   | 94.6   | 91.8   | 92.6   | 93.1   | 93.6   | 94.1   |
| 47.5° | 84.5   | 84.7   | 84.5   | 87.0   | 90.8   | 88.8   | 87.3   | 88.3   | 89.3   | 90.0   | 90.5   |
| 50°   | 80.4   | 80.2   | 80.7   | 82.2   | 84.0   | 84.5   | 83.5   | 85.0   | 85.5   | 86.5   | 87.8   |
| 52.5° | 76.9   | 76.6   | 77.1   | 77.9   | 80.4   | 80.4   | 80.4   | 81.7   | 82.7   | 83.7   | 85.5   |
| 55°   | 72.8   | 73.1   | 73.9   | 74.9   | 78.2   | 77.6   | 77.9   | 78.9   | 79.9   | 81.4   | 82.5   |
| 57.5° | 69.0   | 69.6   | 70.6   | 72.1   | 75.4   | 75.1   | 75.4   | 75.9   | 77.1   | 77.9   | 78.9   |
| 60°   | 64.7   | 65.8   | 67.0   | 68.0   | 71.3   | 71.1   | 72.3   | 73.3   | 74.1   | 74.1   | 74.6   |
| 62.5° | 60.4   | 62.0   | 63.2   | 64.0   | 67.5   | 67.8   | 69.6   | 70.3   | 70.8   | 70.3   | 71.1   |
| 65°   | 56.1   | 58.4   | 58.9   | 59.9   | 63.5   | 63.7   | 65.8   | 67.5   | 67.0   | 66.5   | 67.8   |
| 67.5° | 51.8   | 54.6   | 54.4   | 55.6   | 59.2   | 59.7   | 61.5   | 64.5   | 63.5   | 63.0   | 64.0   |
| 70°   | 47.0   | 49.1   | 49.3   | 50.1   | 54.9   | 54.1   | 56.9   | 59.7   | 58.9   | 59.2   | 59.2   |
| 72.5° | 41.7   | 43.5   | 43.5   | 45.0   | 50.1   | 48.8   | 51.1   | 54.1   | 54.1   | 53.9   | 53.9   |
| 75°   | 35.4   | 36.4   | 37.4   | 39.7   | 45.0   | 43.5   | 45.0   | 47.8   | 48.3   | 47.8   | 47.8   |
| 77.5° | 28.6   | 30.1   | 30.6   | 33.6   | 37.4   | 37.2   | 38.7   | 40.0   | 41.0   | 40.5   | 40.5   |
| 80°   | 20.2   | 21.8   | 23.8   | 27.1   | 29.3   | 30.1   | 30.9   | 31.9   | 32.4   | 32.4   | 32.9   |
| 82.5° | 11.4   | 13.7   | 15.4   | 18.7   | 19.7   | 23.5   | 23.3   | 24.0   | 23.3   | 20.5   | 22.8   |
| 85°   | 2.5    | 4.8    | 6.8    | 8.6    | 9.9    | 13.7   | 14.4   | 16.2   | 13.4   | 12.4   | 12.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 4.0    | 5.6    | 4.8    | 4.0    | 4.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P450609

CATALOG NUMBER: GALN-SA1B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 | 1232.2 |
| 2.5°  | 1075.4 | 1097.4 | 1124.0 | 1169.7 | 1201.8 | 1236.5 | 1271.4 | 1308.6 | 1318.4 | 1328.6 |
| 5°    | 871.8  | 915.0  | 938.6  | 1000.0 | 1064.5 | 1146.5 | 1213.5 | 1286.8 | 1317.4 | 1324.5 |
| 7.5°  | 660.4  | 689.7  | 751.4  | 813.6  | 893.5  | 979.5  | 1082.2 | 1196.5 | 1232.2 | 1247.1 |
| 10°   | 523.5  | 563.5  | 617.6  | 684.4  | 754.4  | 847.0  | 962.8  | 1096.4 | 1147.0 | 1155.3 |
| 12.5° | 445.6  | 490.1  | 549.1  | 619.6  | 685.9  | 755.7  | 872.6  | 1010.4 | 1064.5 | 1082.5 |
| 15°   | 356.4  | 410.2  | 478.3  | 552.6  | 624.7  | 701.1  | 819.4  | 975.0  | 1037.5 | 1058.4 |
| 17.5° | 280.0  | 323.5  | 397.1  | 477.8  | 563.2  | 659.9  | 808.3  | 991.9  | 1068.8 | 1088.3 |
| 20°   | 214.2  | 245.3  | 307.3  | 392.5  | 492.7  | 619.1  | 811.1  | 1055.9 | 1148.0 | 1174.5 |
| 22.5° | 185.1  | 201.1  | 238.8  | 319.9  | 432.0  | 583.7  | 822.5  | 1143.7 | 1254.7 | 1299.0 |
| 25°   | 167.7  | 176.0  | 197.3  | 250.4  | 374.1  | 549.3  | 848.5  | 1261.8 | 1403.9 | 1433.3 |
| 27.5° | 152.8  | 158.8  | 172.0  | 210.2  | 321.5  | 517.5  | 878.9  | 1392.8 | 1543.3 | 1587.0 |
| 30°   | 138.6  | 146.7  | 159.1  | 186.7  | 287.8  | 488.4  | 917.1  | 1499.0 | 1660.6 | 1701.4 |
| 32.5° | 127.7  | 135.8  | 147.2  | 170.2  | 259.2  | 457.8  | 939.8  | 1592.3 | 1756.5 | 1791.1 |
| 35°   | 118.9  | 125.7  | 137.6  | 157.1  | 237.5  | 434.5  | 935.3  | 1666.5 | 1849.3 | 1884.7 |
| 37.5° | 112.5  | 118.4  | 130.3  | 144.7  | 221.0  | 410.2  | 933.0  | 1764.3 | 1962.4 | 2003.3 |
| 40°   | 106.7  | 112.8  | 123.7  | 136.6  | 204.6  | 381.6  | 934.3  | 1861.4 | 2082.8 | 2123.7 |
| 42.5° | 102.2  | 109.0  | 117.9  | 134.3  | 187.7  | 358.6  | 934.3  | 1945.9 | 2187.5 | 2226.9 |
| 45°   | 98.4   | 105.7  | 114.3  | 134.0  | 174.3  | 341.2  | 927.9  | 2018.5 | 2270.9 | 2304.6 |
| 47.5° | 95.1   | 103.2  | 115.6  | 129.5  | 171.0  | 328.5  | 922.4  | 2076.7 | 2339.0 | 2370.6 |
| 50°   | 92.8   | 102.4  | 122.9  | 124.2  | 172.0  | 324.7  | 949.2  | 2150.0 | 2398.9 | 2426.2 |
| 52.5° | 91.0   | 102.7  | 122.7  | 116.3  | 170.2  | 327.3  | 1005.1 | 2264.6 | 2482.1 | 2484.1 |
| 55°   | 87.5   | 102.4  | 116.3  | 107.5  | 162.9  | 331.6  | 1076.9 | 2431.0 | 2612.4 | 2613.9 |
| 57.5° | 84.0   | 99.6   | 108.0  | 99.9   | 148.0  | 331.6  | 1163.4 | 2588.6 | 2769.4 | 2770.7 |
| 60°   | 80.4   | 103.7  | 94.8   | 93.3   | 128.5  | 325.5  | 1254.7 | 2657.9 | 2818.7 | 2831.6 |
| 62.5° | 76.9   | 104.5  | 84.7   | 87.5   | 114.3  | 310.8  | 1322.7 | 2581.2 | 2752.0 | 2770.4 |
| 65°   | 72.8   | 84.2   | 78.2   | 81.4   | 107.0  | 286.3  | 1301.2 | 2440.9 | 2626.5 | 2648.5 |
| 67.5° | 68.0   | 71.3   | 71.1   | 75.1   | 104.5  | 250.1  | 1187.9 | 2263.3 | 2491.5 | 2490.2 |
| 70°   | 62.2   | 64.0   | 64.7   | 69.0   | 99.6   | 222.1  | 989.9  | 2032.9 | 2311.1 | 2339.5 |
| 72.5° | 56.1   | 57.7   | 58.4   | 62.2   | 94.8   | 206.1  | 768.4  | 1715.5 | 2001.8 | 2046.1 |
| 75°   | 49.6   | 50.6   | 51.6   | 54.9   | 89.8   | 182.6  | 547.3  | 1309.6 | 1533.2 | 1602.7 |
| 77.5° | 42.7   | 42.7   | 44.0   | 47.3   | 75.6   | 150.7  | 367.2  | 918.6  | 1038.7 | 1109.8 |
| 80°   | 34.6   | 34.9   | 34.4   | 37.9   | 55.6   | 103.2  | 208.7  | 613.6  | 691.2  | 704.9  |
| 82.5° | 26.6   | 25.8   | 26.1   | 27.8   | 41.5   | 70.3   | 111.3  | 381.1  | 388.5  | 380.9  |
| 85°   | 16.7   | 16.7   | 16.2   | 18.2   | 26.6   | 36.7   | 60.7   | 233.4  | 182.4  | 173.5  |
| 87.5° | 6.8    | 5.6    | 6.3    | 7.3    | 12.6   | 14.9   | 23.8   | 48.1   | 18.5   | 16.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)