

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: P939563

Luminaire Tested: **GALN-SB2B-722-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939563  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2B-722-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9203 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 73.9  
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



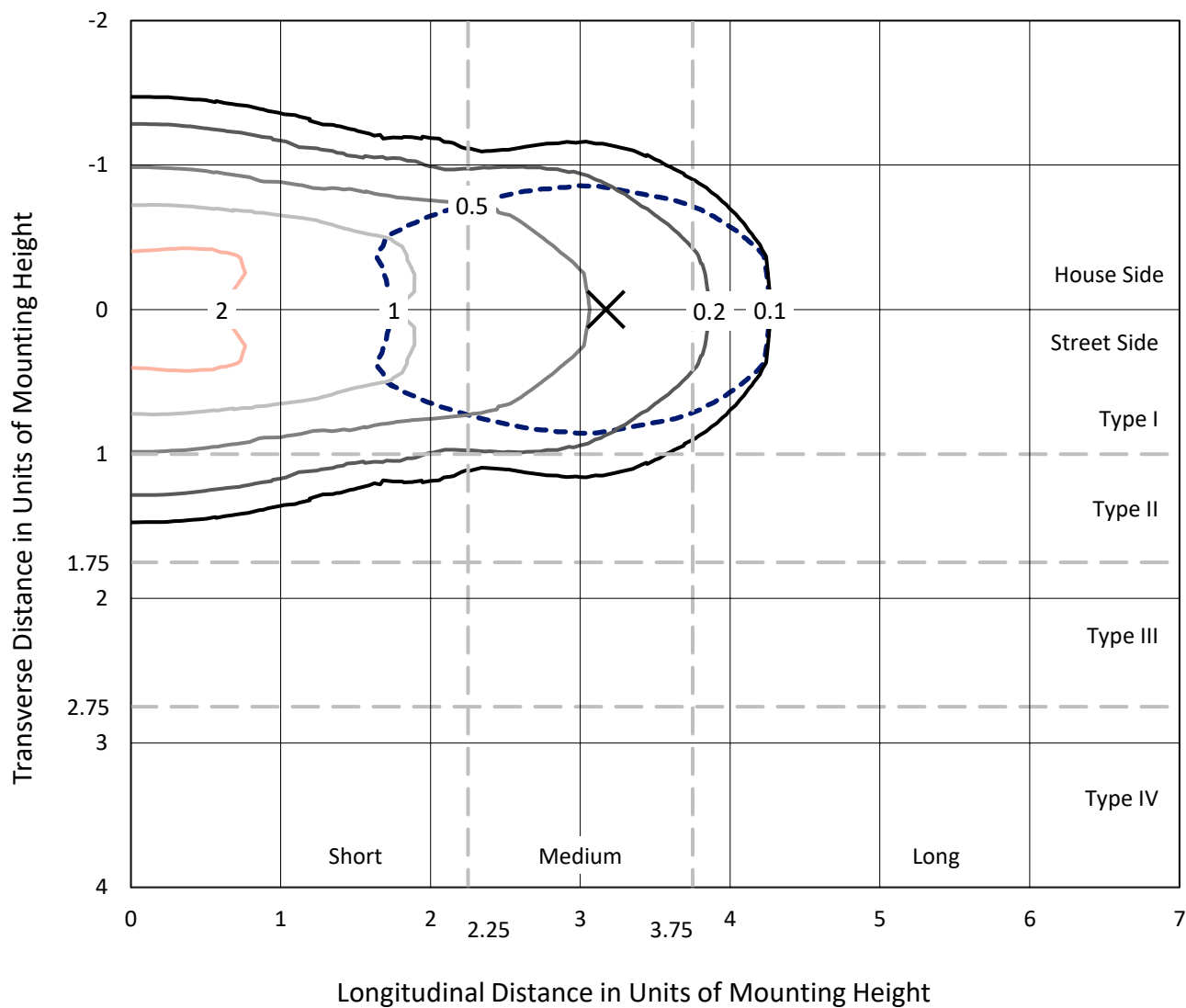
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## Iso-Footcandle Lines of Horizontal Illumination

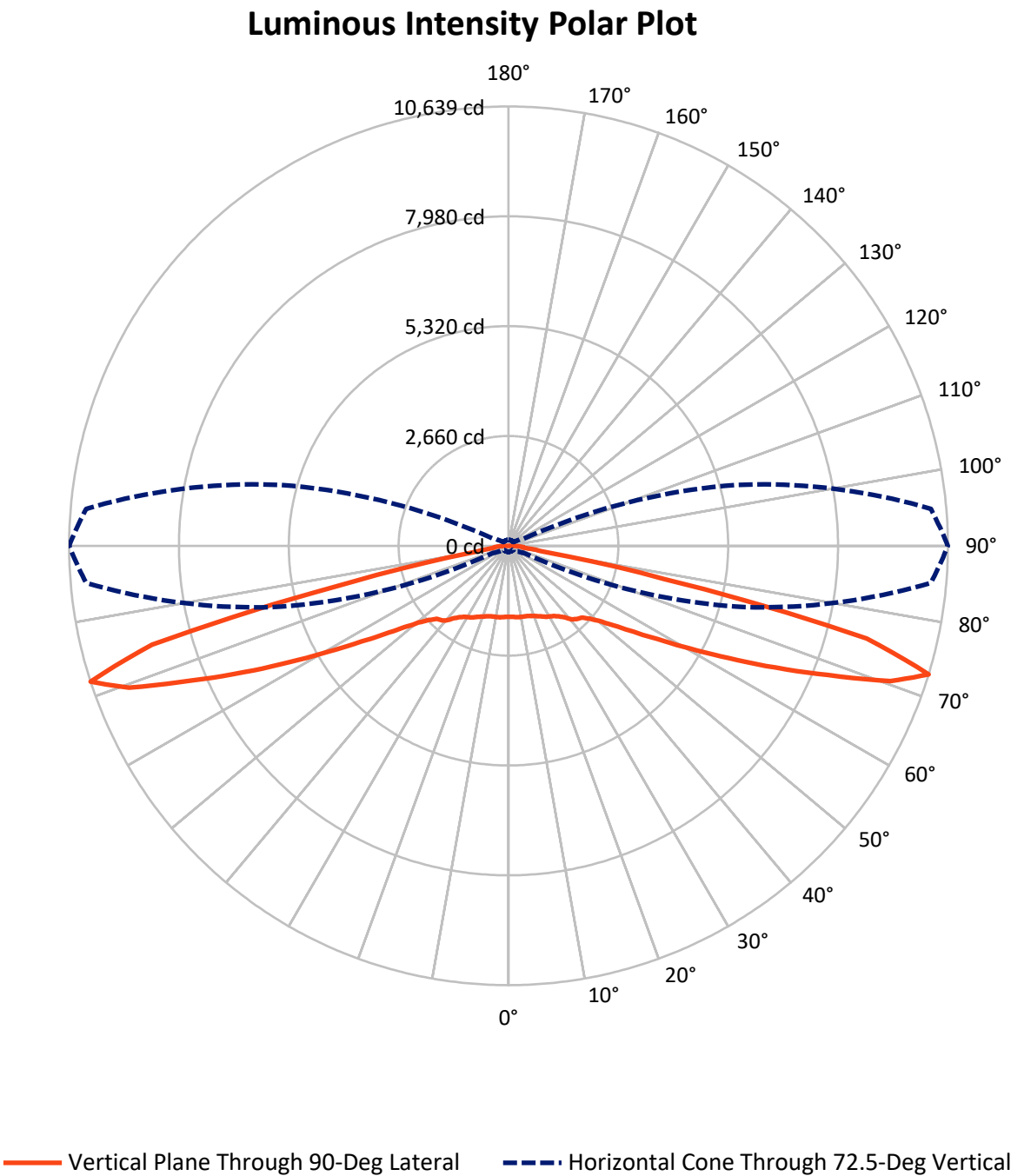
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type I - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4601.5   | 0.0    | 4601.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4601.5   | 0.0    | 4601.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9203.0   | 0.0    | 9203.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 166.7  | 1.8       |
| 10°-20°   | 509.8  | 5.5       |
| 20°-30°   | 850.1  | 9.2       |
| 30°-40°   | 1169.2 | 12.7      |
| 40°-50°   | 1427.9 | 15.5      |
| 50°-60°   | 1651.5 | 17.9      |
| 60°-70°   | 1969.1 | 21.4      |
| 70°-80°   | 1374.3 | 14.9      |
| 80°-90°   | 84.4   | 0.9       |
| 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°    | 9203.0 | 100.0     |
| 0°-180°   | 9203.0 | 100.0     |

**Coefficient of Utilization**



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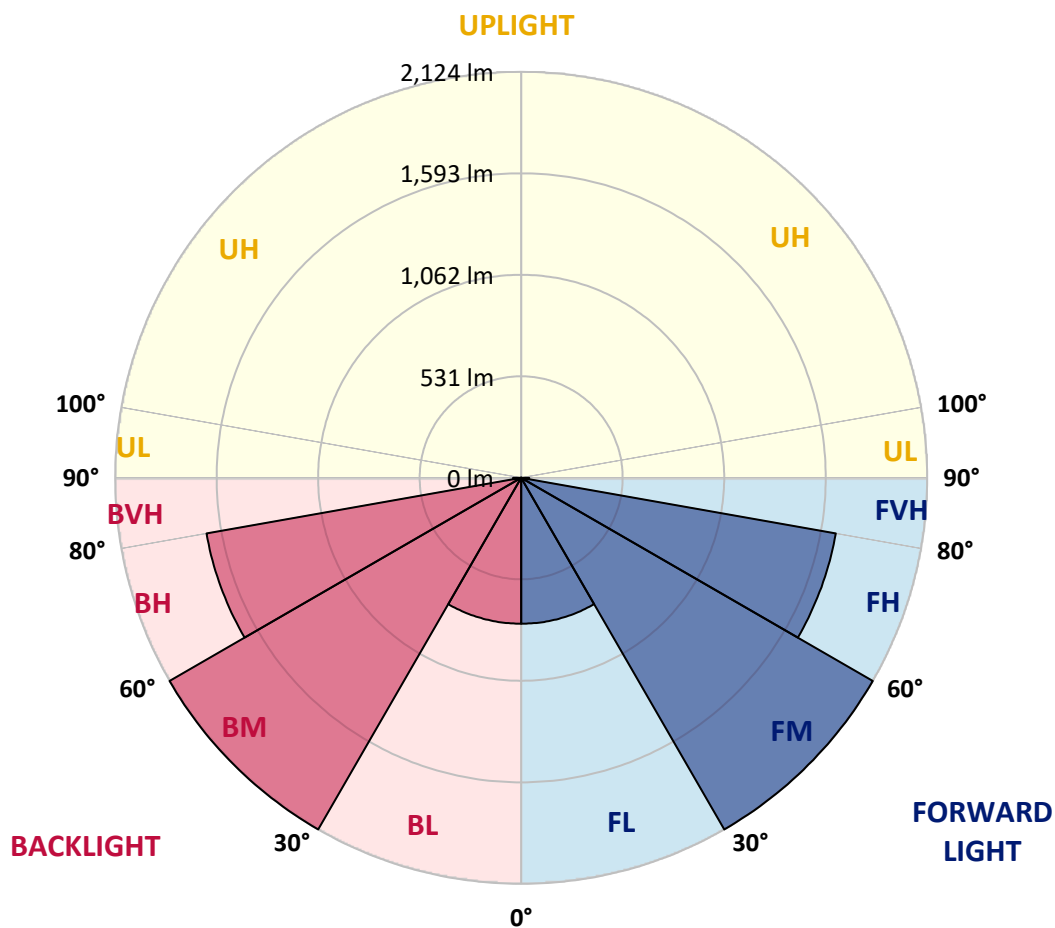
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 763.3  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 2124.2 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 1671.7 | 18.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 42.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 763.3  | 8.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2124.2 | 23.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1671.7 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 42.2   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7 | 1719.7  | 1719.7  |
| 2.5°  | 1721.1 | 1723.1 | 1723.1 | 1721.6 | 1725.1 | 1722.1 | 1722.1 | 1720.7 | 1722.1 | 1720.7  | 1720.7  |
| 5°    | 1729.9 | 1732.4 | 1733.4 | 1732.9 | 1737.3 | 1734.8 | 1734.8 | 1732.9 | 1733.4 | 1731.9  | 1731.9  |
| 7.5°  | 1746.6 | 1750.0 | 1752.0 | 1754.4 | 1760.8 | 1757.8 | 1755.9 | 1750.0 | 1747.6 | 1743.6  | 1743.6  |
| 10°   | 1752.0 | 1755.9 | 1762.2 | 1774.9 | 1789.6 | 1790.1 | 1784.2 | 1769.6 | 1758.3 | 1749.5  | 1748.0  |
| 12.5° | 1735.3 | 1740.7 | 1753.9 | 1779.8 | 1812.6 | 1825.8 | 1816.5 | 1792.1 | 1770.1 | 1754.4  | 1752.0  |
| 15°   | 1714.3 | 1720.2 | 1740.2 | 1779.3 | 1827.8 | 1858.6 | 1857.6 | 1825.3 | 1790.1 | 1765.7  | 1761.7  |
| 17.5° | 1681.5 | 1687.4 | 1716.3 | 1771.0 | 1839.5 | 1890.4 | 1904.1 | 1870.8 | 1821.4 | 1788.6  | 1783.3  |
| 20°   | 1622.3 | 1627.7 | 1667.8 | 1744.6 | 1843.4 | 1924.1 | 1959.8 | 1930.5 | 1868.9 | 1824.3  | 1816.0  |
| 22.5° | 1545.6 | 1553.9 | 1600.8 | 1699.1 | 1834.1 | 1959.3 | 2023.4 | 2003.4 | 1924.1 | 1862.5  | 1851.2  |
| 25°   | 1463.4 | 1472.2 | 1527.0 | 1643.4 | 1810.2 | 1984.8 | 2098.7 | 2086.0 | 1986.7 | 1909.9  | 1894.3  |
| 27.5° | 1392.5 | 1401.8 | 1461.4 | 1588.1 | 1773.0 | 1994.6 | 2173.1 | 2179.4 | 2062.5 | 1962.3  | 1945.6  |
| 30°   | 1336.7 | 1345.5 | 1409.1 | 1543.6 | 1725.1 | 1984.8 | 2238.1 | 2282.1 | 2139.8 | 2007.8  | 1983.8  |
| 32.5° | 1275.6 | 1286.8 | 1353.8 | 1489.3 | 1668.3 | 1961.3 | 2294.9 | 2393.2 | 2229.3 | 2056.7  | 2026.3  |
| 35°   | 1198.3 | 1208.6 | 1279.0 | 1415.0 | 1594.0 | 1923.6 | 2342.3 | 2516.4 | 2357.5 | 2131.0  | 2097.3  |
| 37.5° | 1104.4 | 1114.2 | 1184.1 | 1322.0 | 1520.1 | 1870.8 | 2378.5 | 2655.3 | 2510.1 | 2238.1  | 2193.1  |
| 40°   | 1010.0 | 1019.3 | 1084.8 | 1218.3 | 1431.6 | 1803.3 | 2391.2 | 2791.3 | 2685.2 | 2385.3  | 2337.4  |
| 42.5° | 923.4  | 931.7  | 991.9  | 1116.1 | 1332.3 | 1717.2 | 2374.6 | 2909.7 | 2842.2 | 2488.1  | 2426.4  |
| 45°   | 843.7  | 851.0  | 904.3  | 1020.3 | 1229.1 | 1612.6 | 2324.7 | 3036.8 | 3029.0 | 2561.4  | 2478.3  |
| 47.5° | 752.7  | 760.1  | 815.3  | 927.3  | 1125.9 | 1489.8 | 2240.1 | 3162.0 | 3288.7 | 2727.7  | 2631.9  |
| 50°   | 641.7  | 648.1  | 704.8  | 820.2  | 1018.8 | 1359.2 | 2122.7 | 3260.3 | 3616.4 | 2979.6  | 2859.3  |
| 52.5° | 510.1  | 517.0  | 572.2  | 687.7  | 891.6  | 1218.8 | 1968.1 | 3324.4 | 3995.0 | 3347.4  | 3199.2  |
| 55°   | 379.5  | 384.4  | 432.4  | 536.1  | 734.1  | 1058.9 | 1774.5 | 3342.5 | 4424.4 | 3850.2  | 3664.8  |
| 57.5° | 275.4  | 278.3  | 309.1  | 386.4  | 556.6  | 858.9  | 1539.2 | 3295.6 | 4935.5 | 4494.8  | 4261.5  |
| 60°   | 223.0  | 224.0  | 233.3  | 267.5  | 386.9  | 632.9  | 1255.0 | 3134.2 | 5490.2 | 5325.8  | 5031.9  |
| 62.5° | 202.5  | 202.5  | 204.9  | 214.2  | 261.7  | 417.7  | 911.2  | 2799.6 | 6084.9 | 6375.9  | 5982.2  |
| 65°   | 188.3  | 188.3  | 189.3  | 193.7  | 206.4  | 266.1  | 575.2  | 2254.8 | 6586.2 | 7606.0  | 7108.1  |
| 67.5° | 175.6  | 176.1  | 175.6  | 177.1  | 184.4  | 196.6  | 333.6  | 1557.3 | 6856.2 | 8880.6  | 8343.1  |
| 70°   | 162.4  | 163.4  | 160.9  | 160.9  | 166.8  | 167.3  | 208.8  | 854.0  | 6632.2 | 9948.8  | 9807.4  |
| 72.5° | 146.7  | 148.2  | 144.3  | 143.3  | 147.7  | 145.8  | 157.0  | 409.9  | 5694.1 | 10267.7 | 10639.4 |
| 75°   | 133.0  | 135.0  | 126.2  | 123.7  | 123.7  | 122.3  | 127.7  | 210.3  | 3695.6 | 8375.8  | 8958.9  |
| 77.5° | 120.8  | 124.7  | 110.5  | 102.7  | 100.8  | 96.4   | 104.2  | 128.6  | 1616.5 | 3932.4  | 3850.7  |
| 80°   | 99.8   | 105.2  | 91.0   | 81.7   | 78.3   | 73.4   | 82.2   | 90.0   | 480.8  | 913.2   | 874.5   |
| 82.5° | 74.3   | 76.8   | 64.6   | 58.2   | 55.3   | 51.8   | 61.6   | 62.6   | 156.5  | 323.3   | 365.4   |
| 85°   | 47.4   | 48.4   | 39.6   | 34.2   | 32.8   | 31.3   | 39.1   | 34.2   | 59.7   | 237.7   | 345.3   |
| 87.5° | 16.6   | 19.1   | 15.2   | 13.7   | 14.7   | 12.2   | 18.1   | 10.3   | 16.6   | 167.8   | 207.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END OF REPORT)