

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: P940083

Luminaire Tested: **GALN-SB3A-727-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940083  
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-SB3A-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 12350 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 84.7  
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



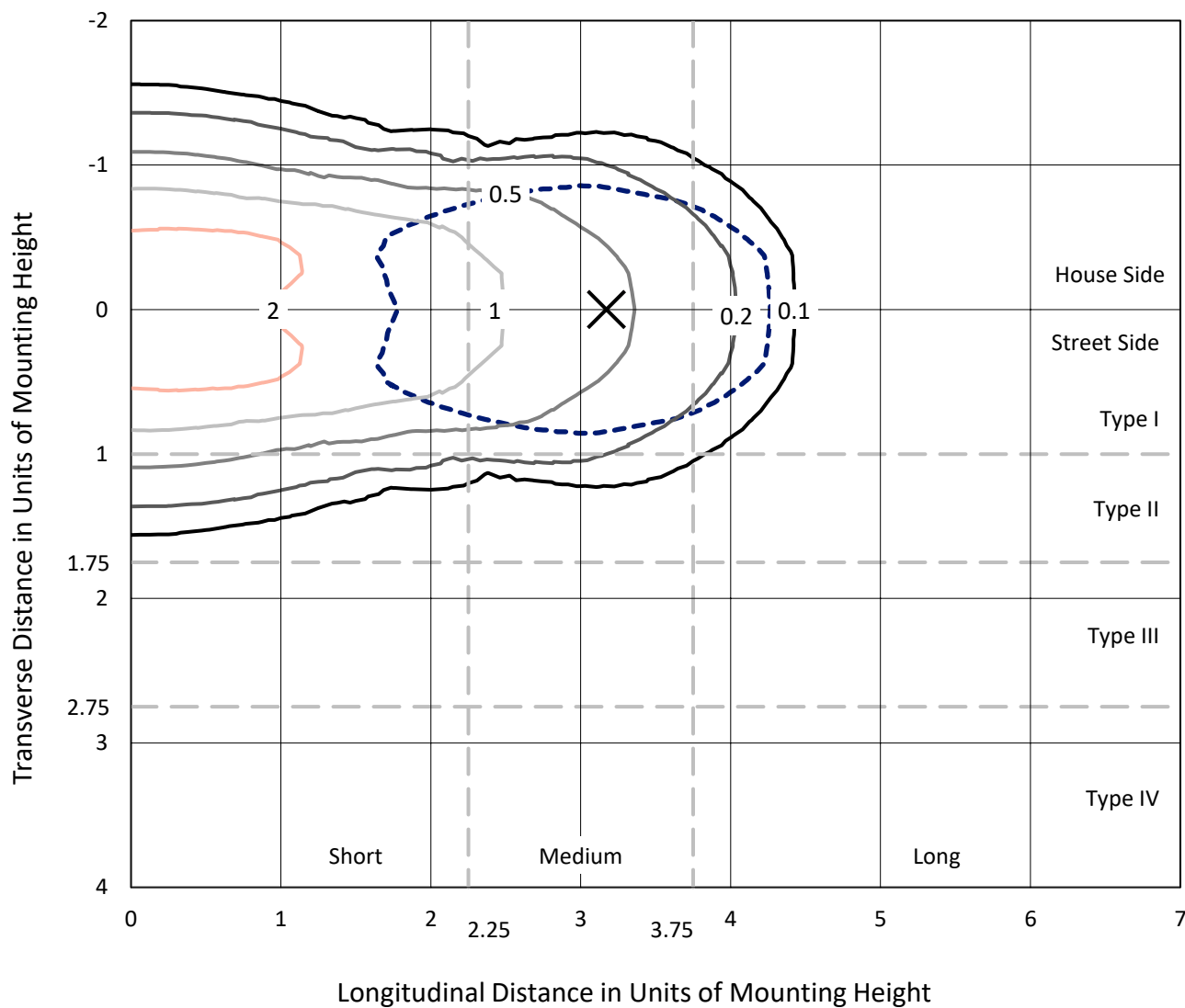
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## Iso-Footcandle Lines of Horizontal Illumination

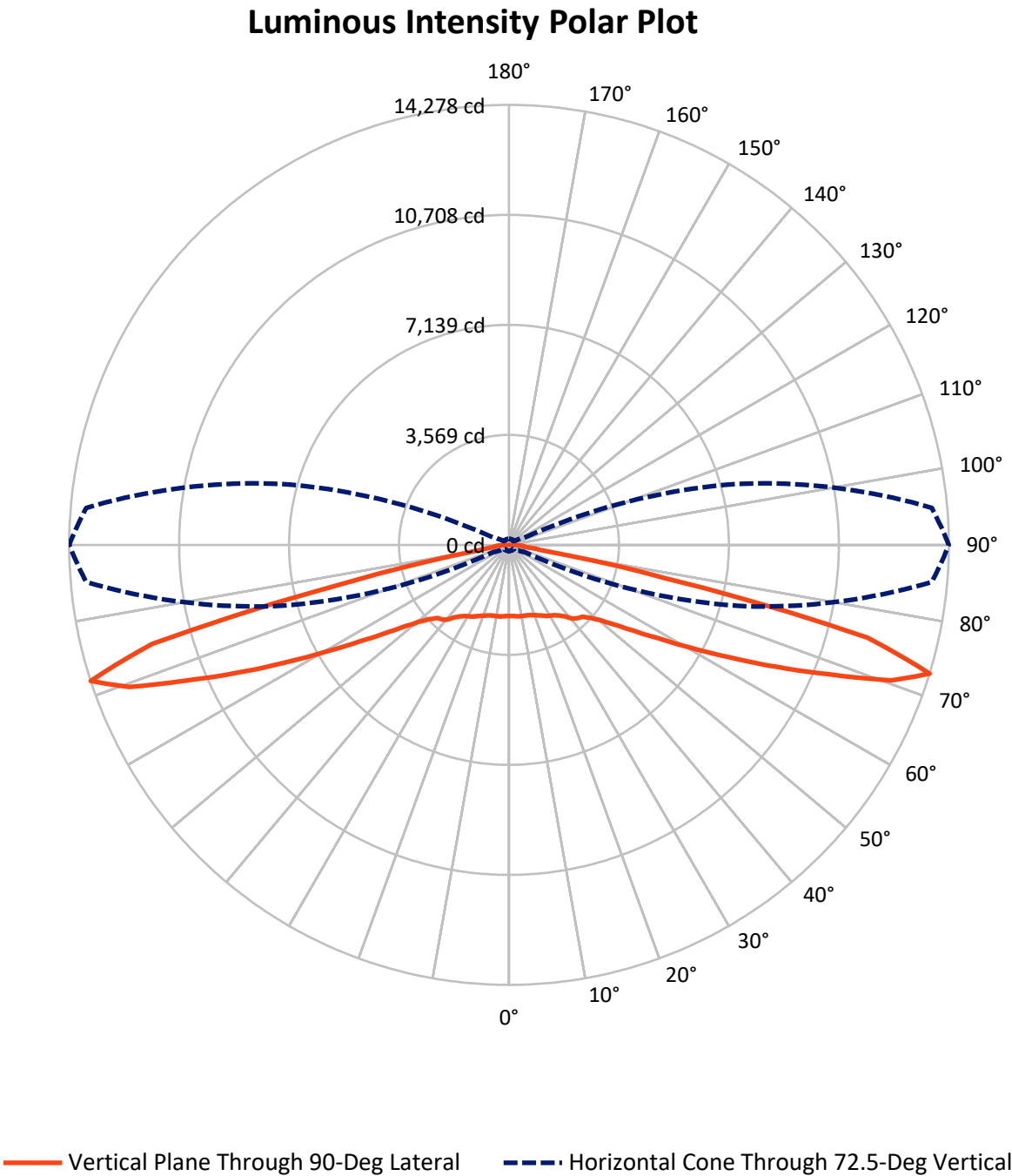
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
Type I - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6175.0   | 0.0    | 6175.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6175.0   | 0.0    | 6175.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12350.0  | 0.0    | 12350.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 223.8   | 1.8       |
| 10°-20°   | 684.2   | 5.5       |
| 20°-30°   | 1140.8  | 9.2       |
| 30°-40°   | 1569.0  | 12.7      |
| 40°-50°   | 1916.1  | 15.5      |
| 50°-60°   | 2216.2  | 17.9      |
| 60°-70°   | 2642.5  | 21.4      |
| 70°-80°   | 1844.3  | 14.9      |
| 80°-90°   | 113.3   | 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°    | 12350.0 | 100.0     |
| 0°-180°   | 12350.0 | 100.0     |

**Coefficient of Utilization**



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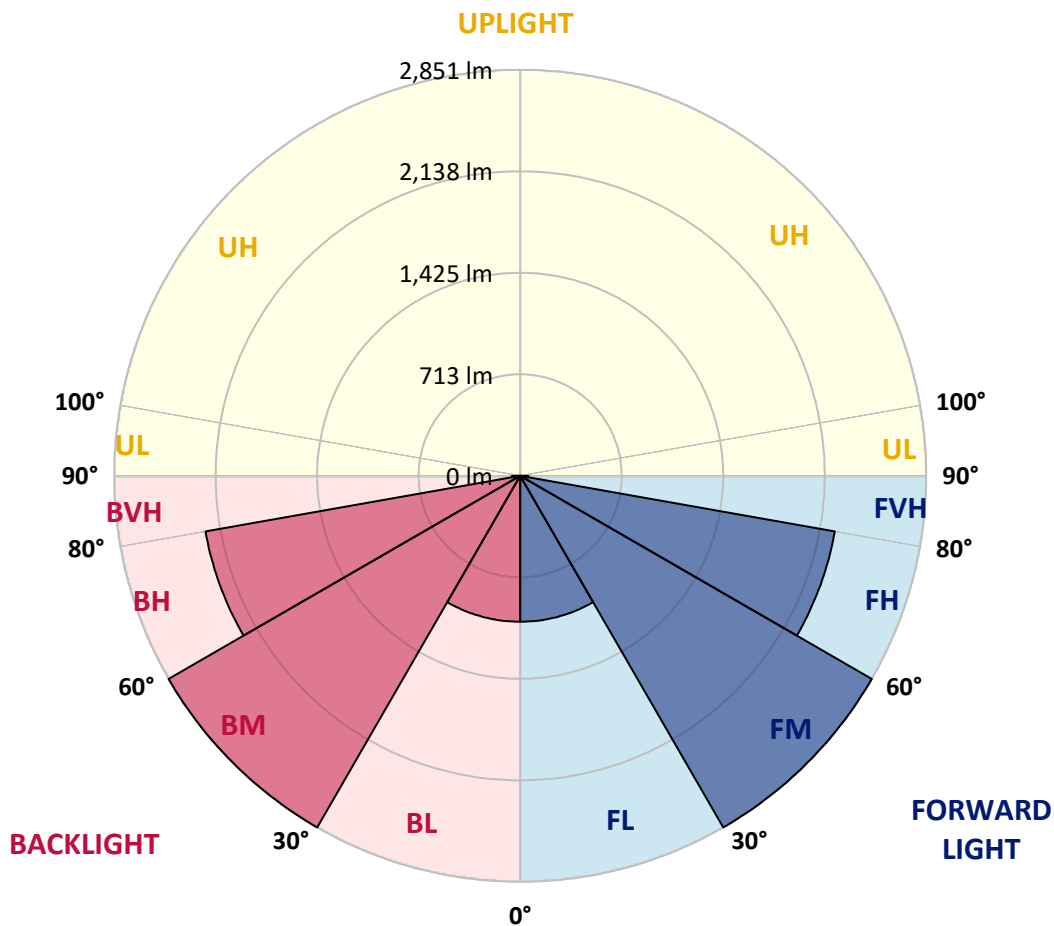
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1024.4 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 2850.6 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 2243.4 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 56.6   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1024.4 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2850.6 | 23.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2243.4 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 56.6   | 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°    | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7 | 2307.7  | 2307.7  |
| 2.5°  | 2309.7 | 2312.3 | 2312.3 | 2310.4 | 2314.9 | 2311.0 | 2311.0 | 2309.0 | 2311.0 | 2309.0  | 2309.0  |
| 5°    | 2321.5 | 2324.8 | 2326.1 | 2325.4 | 2331.4 | 2328.1 | 2328.1 | 2325.4 | 2326.1 | 2324.1  | 2324.1  |
| 7.5°  | 2343.8 | 2348.4 | 2351.0 | 2354.3 | 2362.9 | 2358.9 | 2356.3 | 2348.4 | 2345.1 | 2339.9  | 2339.9  |
| 10°   | 2351.0 | 2356.3 | 2364.8 | 2381.9 | 2401.6 | 2402.2 | 2394.4 | 2374.7 | 2359.6 | 2347.8  | 2345.8  |
| 12.5° | 2328.7 | 2336.0 | 2353.7 | 2388.5 | 2432.4 | 2450.2 | 2437.7 | 2404.9 | 2375.3 | 2354.3  | 2351.0  |
| 15°   | 2300.5 | 2308.4 | 2335.3 | 2387.8 | 2452.8 | 2494.1 | 2492.8 | 2449.5 | 2402.2 | 2369.4  | 2364.2  |
| 17.5° | 2256.5 | 2264.4 | 2303.1 | 2376.6 | 2468.5 | 2536.8 | 2555.2 | 2510.5 | 2444.2 | 2400.3  | 2393.1  |
| 20°   | 2177.1 | 2184.3 | 2238.2 | 2341.2 | 2473.8 | 2582.1 | 2630.0 | 2590.6 | 2507.9 | 2448.2  | 2437.0  |
| 22.5° | 2074.1 | 2085.2 | 2148.2 | 2280.2 | 2461.3 | 2629.3 | 2715.3 | 2688.4 | 2582.1 | 2499.4  | 2484.3  |
| 25°   | 1963.8 | 1975.6 | 2049.1 | 2205.3 | 2429.2 | 2663.5 | 2816.4 | 2799.3 | 2666.1 | 2563.0  | 2542.0  |
| 27.5° | 1868.6 | 1881.1 | 1961.2 | 2131.2 | 2379.3 | 2676.6 | 2916.2 | 2924.7 | 2767.8 | 2633.3  | 2611.0  |
| 30°   | 1793.8 | 1805.6 | 1890.9 | 2071.4 | 2314.9 | 2663.5 | 3003.5 | 3062.5 | 2871.5 | 2694.3  | 2662.2  |
| 32.5° | 1711.8 | 1726.9 | 1816.8 | 1998.6 | 2238.8 | 2632.0 | 3079.6 | 3211.5 | 2991.6 | 2760.0  | 2719.3  |
| 35°   | 1608.1 | 1621.8 | 1716.4 | 1898.8 | 2139.0 | 2581.4 | 3143.3 | 3376.9 | 3163.6 | 2859.7  | 2814.4  |
| 37.5° | 1482.0 | 1495.2 | 1589.0 | 1774.1 | 2039.9 | 2510.5 | 3191.8 | 3563.3 | 3368.4 | 3003.5  | 2943.1  |
| 40°   | 1355.4 | 1367.8 | 1455.8 | 1635.0 | 1921.1 | 2420.0 | 3208.9 | 3745.8 | 3603.4 | 3201.0  | 3136.7  |
| 42.5° | 1239.2 | 1250.3 | 1331.1 | 1497.8 | 1787.9 | 2304.4 | 3186.6 | 3904.6 | 3814.1 | 3338.9  | 3256.2  |
| 45°   | 1132.2 | 1142.0 | 1213.6 | 1369.1 | 1649.4 | 2164.0 | 3119.6 | 4075.3 | 4064.8 | 3437.3  | 3325.7  |
| 47.5° | 1010.1 | 1020.0 | 1094.1 | 1244.4 | 1510.9 | 1999.2 | 3006.1 | 4243.3 | 4413.3 | 3660.5  | 3531.8  |
| 50°   | 861.1  | 869.7  | 945.8  | 1100.7 | 1367.2 | 1824.0 | 2848.6 | 4375.2 | 4853.1 | 3998.5  | 3837.0  |
| 52.5° | 684.6  | 693.8  | 767.9  | 922.8  | 1196.5 | 1635.6 | 2641.2 | 4461.2 | 5361.1 | 4492.1  | 4293.2  |
| 55°   | 509.3  | 515.9  | 580.2  | 719.4  | 985.2  | 1421.0 | 2381.2 | 4485.5 | 5937.3 | 5166.8  | 4918.0  |
| 57.5° | 369.5  | 373.5  | 414.8  | 518.5  | 746.9  | 1152.6 | 2065.5 | 4422.5 | 6623.2 | 6031.9  | 5718.8  |
| 60°   | 299.3  | 300.6  | 313.1  | 359.0  | 519.2  | 849.3  | 1684.2 | 4205.9 | 7367.5 | 7147.0  | 6752.5  |
| 62.5° | 271.7  | 271.7  | 275.0  | 287.5  | 351.1  | 560.5  | 1222.8 | 3756.9 | 8165.7 | 8556.2  | 8027.8  |
| 65°   | 252.7  | 252.7  | 254.0  | 259.9  | 277.0  | 357.1  | 771.9  | 3025.8 | 8838.4 | 10206.9 | 9538.7  |
| 67.5° | 235.6  | 236.3  | 235.6  | 237.6  | 247.4  | 263.9  | 447.6  | 2089.8 | 9200.7 | 11917.4 | 11196.0 |
| 70°   | 217.9  | 219.2  | 215.9  | 215.9  | 223.8  | 224.5  | 280.3  | 1146.0 | 8900.1 | 13350.8 | 13161.1 |
| 72.5° | 196.9  | 198.9  | 193.6  | 192.3  | 198.2  | 195.6  | 210.7  | 550.0  | 7641.2 | 13778.8 | 14277.6 |
| 75°   | 178.5  | 181.2  | 169.3  | 166.1  | 166.1  | 164.1  | 171.3  | 282.2  | 4959.4 | 11240.0 | 12022.4 |
| 77.5° | 162.1  | 167.4  | 148.3  | 137.8  | 135.2  | 129.3  | 139.8  | 172.6  | 2169.2 | 5277.1  | 5167.4  |
| 80°   | 133.9  | 141.1  | 122.1  | 109.6  | 105.0  | 98.5   | 110.3  | 120.8  | 645.2  | 1225.4  | 1173.6  |
| 82.5° | 99.8   | 103.0  | 86.6   | 78.1   | 74.2   | 69.6   | 82.7   | 84.0   | 210.0  | 433.8   | 490.3   |
| 85°   | 63.7   | 65.0   | 53.2   | 45.9   | 44.0   | 42.0   | 52.5   | 45.9   | 80.1   | 319.0   | 463.4   |
| 87.5° | 22.3   | 25.6   | 20.3   | 18.4   | 19.7   | 16.4   | 24.3   | 13.8   | 22.3   | 225.1   | 278.9   |
| 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)