

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: STREETWORKS

Report Number: P452022

Luminaire Tested: **GLAN-SA3A-722-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-722-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10354 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 93  
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: 24 FT

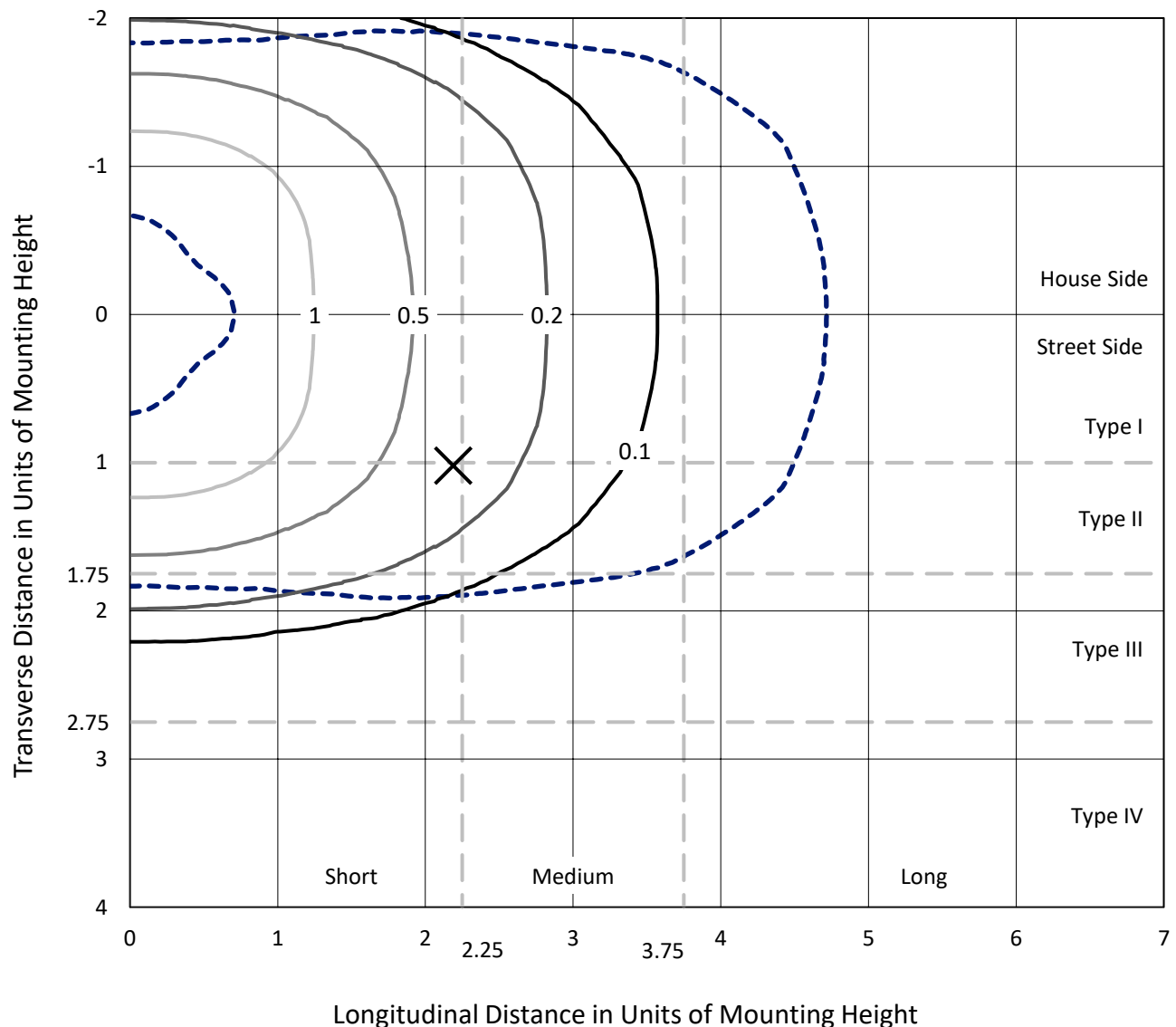


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

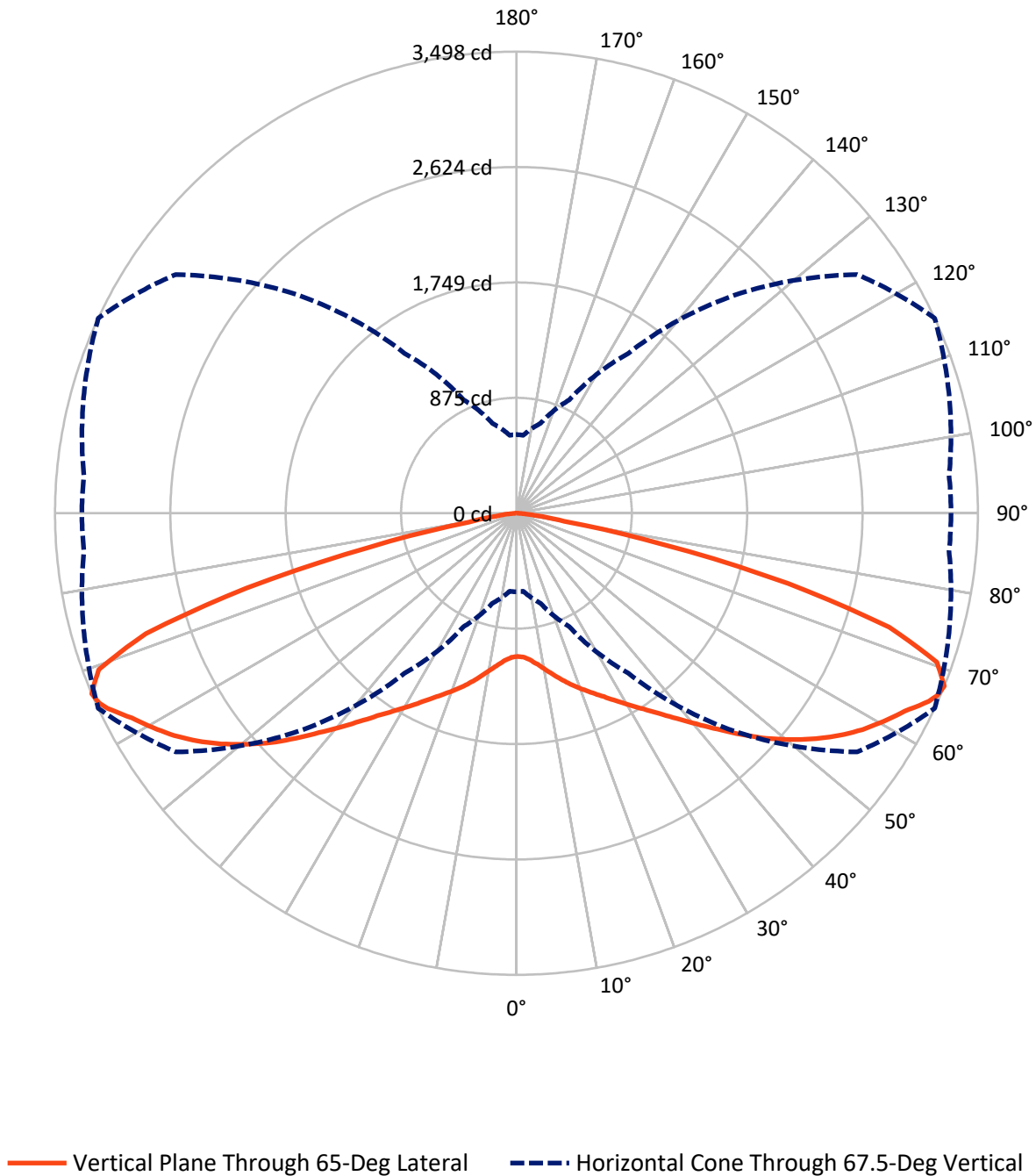


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5177.0   | 0.0    | 5177.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 5177.0   | 0.0    | 5177.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 10354.0  | 0.0    | 10354.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 107.0   | 1.0       |
| 10°-20°   | 358.0   | 3.5       |
| 20°-30°   | 700.2   | 6.8       |
| 30°-40°   | 1191.0  | 11.5      |
| 40°-50°   | 1885.0  | 18.2      |
| 50°-60°   | 2499.5  | 24.1      |
| 60°-70°   | 2357.8  | 22.8      |
| 70°-80°   | 1165.6  | 11.3      |
| 80°-90°   | 89.8    | 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°    | 10354.0 | 100.0     |
| 0°-180°   | 10354.0 | 100.0     |

**Coefficient of Utilization**



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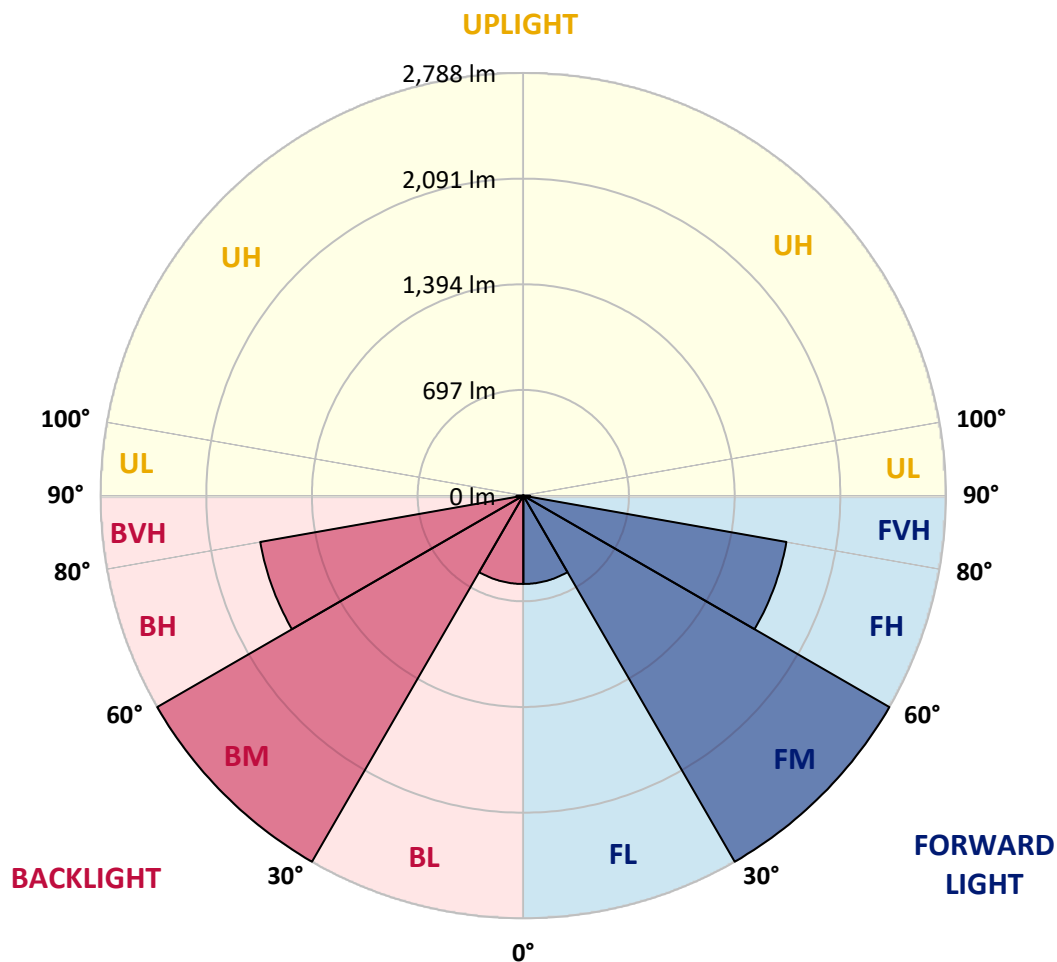
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 582.6  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 2787.8 | 26.9      |                         |      |         |
| FH   | (60°-80°)   | 1761.7 | 17.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 44.9   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 582.6  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2787.8 | 26.9      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1761.7 | 17.0      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 44.9   | 0.4       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 | 1084.5 |
| 2.5°  | 1078.9 | 1080.1 | 1081.2 | 1082.8 | 1085.0 | 1088.4 | 1090.6 | 1092.3 | 1096.7 | 1097.2 | 1096.7 |
| 5°    | 1075.1 | 1076.2 | 1078.9 | 1083.9 | 1091.1 | 1101.1 | 1108.9 | 1118.3 | 1125.5 | 1130.5 | 1129.4 |
| 7.5°  | 1074.5 | 1076.7 | 1081.2 | 1091.7 | 1105.6 | 1122.8 | 1140.5 | 1156.6 | 1170.5 | 1181.6 | 1179.9 |
| 10°   | 1083.4 | 1086.2 | 1093.4 | 1108.9 | 1130.5 | 1155.5 | 1180.5 | 1204.3 | 1224.3 | 1238.7 | 1243.7 |
| 12.5° | 1098.4 | 1100.6 | 1113.9 | 1137.2 | 1168.3 | 1199.3 | 1227.6 | 1257.0 | 1284.7 | 1309.2 | 1309.2 |
| 15°   | 1124.4 | 1128.3 | 1145.0 | 1178.8 | 1217.1 | 1253.1 | 1282.0 | 1313.0 | 1343.0 | 1370.7 | 1379.0 |
| 17.5° | 1160.5 | 1166.0 | 1191.0 | 1234.3 | 1283.1 | 1316.4 | 1343.5 | 1369.1 | 1395.1 | 1421.8 | 1425.6 |
| 20°   | 1209.9 | 1215.4 | 1248.7 | 1300.8 | 1358.5 | 1398.5 | 1416.8 | 1422.9 | 1435.6 | 1461.1 | 1464.5 |
| 22.5° | 1277.0 | 1282.5 | 1319.7 | 1378.5 | 1442.8 | 1486.1 | 1493.9 | 1479.5 | 1476.1 | 1496.1 | 1498.3 |
| 25°   | 1353.0 | 1358.0 | 1400.7 | 1463.9 | 1530.5 | 1577.6 | 1575.4 | 1539.9 | 1520.0 | 1532.2 | 1535.5 |
| 27.5° | 1438.4 | 1445.6 | 1488.9 | 1554.3 | 1626.5 | 1668.1 | 1661.4 | 1609.8 | 1567.1 | 1564.9 | 1566.0 |
| 30°   | 1547.7 | 1555.5 | 1596.5 | 1659.2 | 1730.2 | 1768.5 | 1754.6 | 1685.3 | 1619.2 | 1597.1 | 1597.1 |
| 32.5° | 1663.1 | 1682.5 | 1724.1 | 1789.5 | 1845.0 | 1872.8 | 1851.7 | 1768.5 | 1680.8 | 1649.8 | 1648.1 |
| 35°   | 1813.4 | 1823.9 | 1865.0 | 1928.8 | 1970.4 | 1992.0 | 1951.5 | 1862.2 | 1761.3 | 1724.6 | 1719.7 |
| 37.5° | 1960.4 | 1969.3 | 2017.0 | 2078.0 | 2128.5 | 2127.4 | 2072.5 | 1973.7 | 1861.1 | 1820.1 | 1816.7 |
| 40°   | 2110.7 | 2120.2 | 2174.5 | 2230.6 | 2281.0 | 2276.6 | 2210.0 | 2099.6 | 1979.8 | 1933.8 | 1942.7 |
| 42.5° | 2241.1 | 2251.6 | 2313.2 | 2393.1 | 2438.6 | 2437.5 | 2360.4 | 2236.1 | 2111.3 | 2070.2 | 2078.0 |
| 45°   | 2359.8 | 2369.2 | 2440.8 | 2532.3 | 2598.9 | 2607.2 | 2522.9 | 2391.4 | 2263.3 | 2210.6 | 2212.8 |
| 47.5° | 2443.6 | 2461.3 | 2536.2 | 2641.1 | 2731.5 | 2760.9 | 2678.2 | 2549.5 | 2402.0 | 2347.0 | 2350.4 |
| 50°   | 2507.4 | 2518.5 | 2600.0 | 2719.3 | 2833.5 | 2894.6 | 2828.0 | 2696.0 | 2540.6 | 2482.4 | 2490.2 |
| 52.5° | 2515.1 | 2528.4 | 2617.2 | 2754.8 | 2901.2 | 2993.9 | 2961.1 | 2839.1 | 2682.1 | 2622.2 | 2638.8 |
| 55°   | 2451.9 | 2459.7 | 2565.6 | 2732.6 | 2927.8 | 3067.6 | 3076.0 | 2972.2 | 2816.9 | 2771.4 | 2782.5 |
| 57.5° | 2271.6 | 2291.6 | 2425.8 | 2628.8 | 2891.2 | 3107.0 | 3161.9 | 3093.2 | 2953.4 | 2908.4 | 2926.2 |
| 60°   | 1975.9 | 1995.9 | 2130.7 | 2388.1 | 2753.1 | 3088.7 | 3232.9 | 3200.2 | 3077.1 | 3041.0 | 3050.4 |
| 62.5° | 1548.2 | 1546.6 | 1713.5 | 2029.2 | 2478.5 | 2998.9 | 3285.6 | 3303.4 | 3199.1 | 3153.6 | 3168.0 |
| 65°   | 1003.5 | 1008.5 | 1169.9 | 1510.0 | 2064.1 | 2770.3 | 3297.3 | 3434.9 | 3318.9 | 3250.1 | 3260.7 |
| 66°   | 807.1  | 822.1  | 959.1  | 1272.5 | 1852.8 | 2620.5 | 3262.3 | 3473.7 | 3355.5 | 3272.3 | 3277.3 |
| 67.5° | 595.8  | 593.0  | 705.6  | 947.5  | 1479.5 | 2336.0 | 3153.1 | 3498.1 | 3397.1 | 3292.3 | 3294.5 |
| 70°   | 340.0  | 339.5  | 379.4  | 520.3  | 869.8  | 1644.8 | 2657.7 | 3381.1 | 3481.5 | 3364.4 | 3358.3 |
| 72.5° | 248.5  | 246.9  | 252.4  | 287.3  | 424.4  | 830.4  | 1833.4 | 2955.0 | 3438.2 | 3352.8 | 3335.6 |
| 75°   | 208.6  | 207.5  | 206.4  | 210.8  | 238.0  | 376.1  | 973.0  | 2125.7 | 2983.3 | 3147.0 | 3129.2 |
| 77.5° | 170.3  | 170.3  | 170.9  | 169.7  | 170.9  | 198.0  | 403.3  | 1139.4 | 1816.7 | 2028.1 | 2077.5 |
| 80°   | 133.1  | 132.6  | 142.0  | 138.1  | 129.3  | 127.0  | 178.6  | 366.7  | 603.0  | 599.7  | 494.8  |
| 82.5° | 98.2   | 91.5   | 108.2  | 105.4  | 95.4   | 81.0   | 104.3  | 156.4  | 201.4  | 130.9  | 97.1   |
| 85°   | 62.1   | 61.6   | 76.6   | 69.9   | 58.2   | 38.3   | 49.9   | 67.1   | 83.2   | 50.5   | 41.0   |
| 87.5° | 11.1   | 10.5   | 24.4   | 17.8   | 17.8   | 11.1   | 13.9   | 18.3   | 27.2   | 18.9   | 13.9   |
| 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)