

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: P532100

Luminaire Tested: **GLAN-SA7C-722-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-722-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30539 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 377  
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

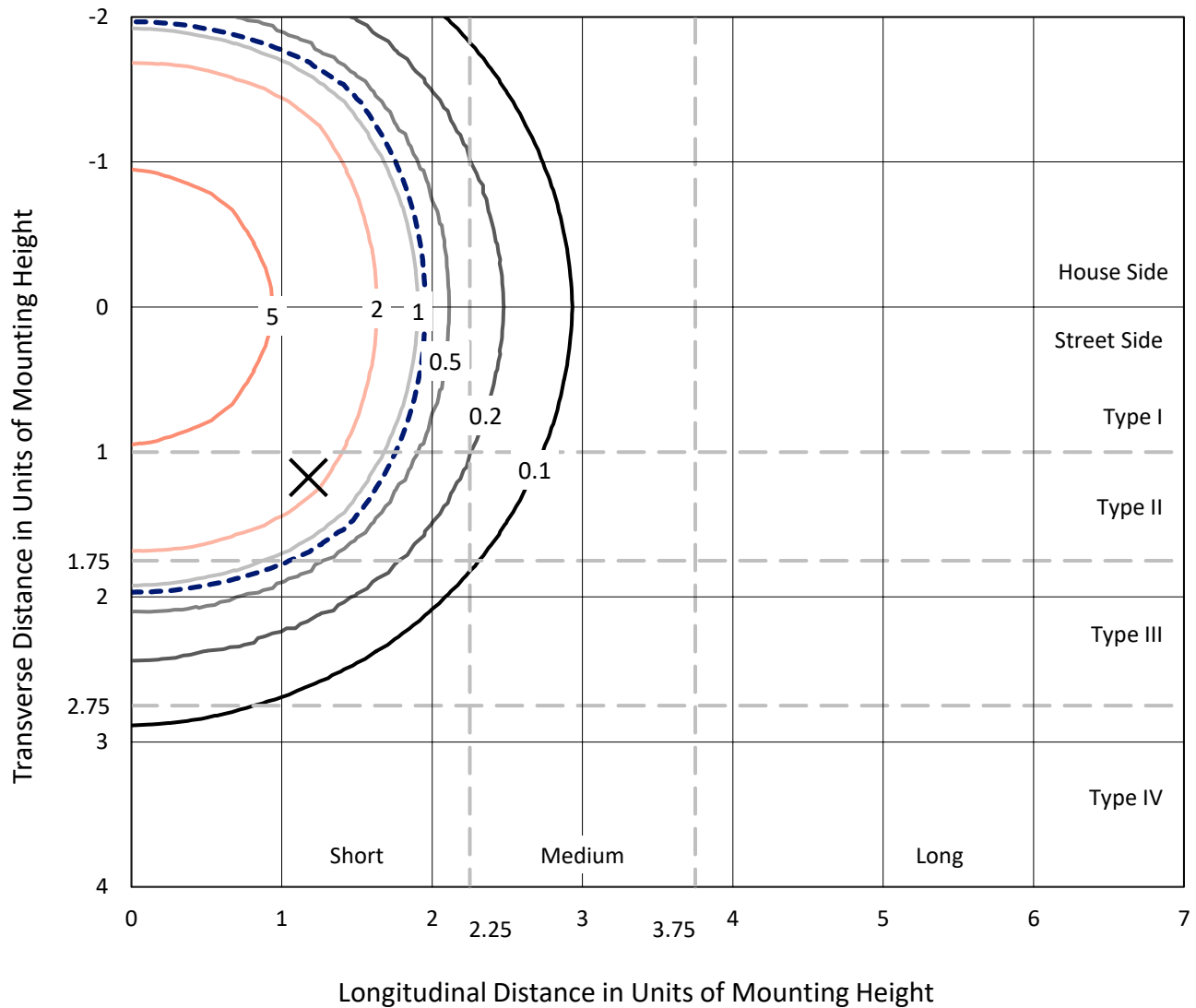


REPORT NUMBER: P532100

CATALOG NUMBER: GLAN-SA7C-722-U-5WQ-GRSWH

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 --- 1/2 Max cd

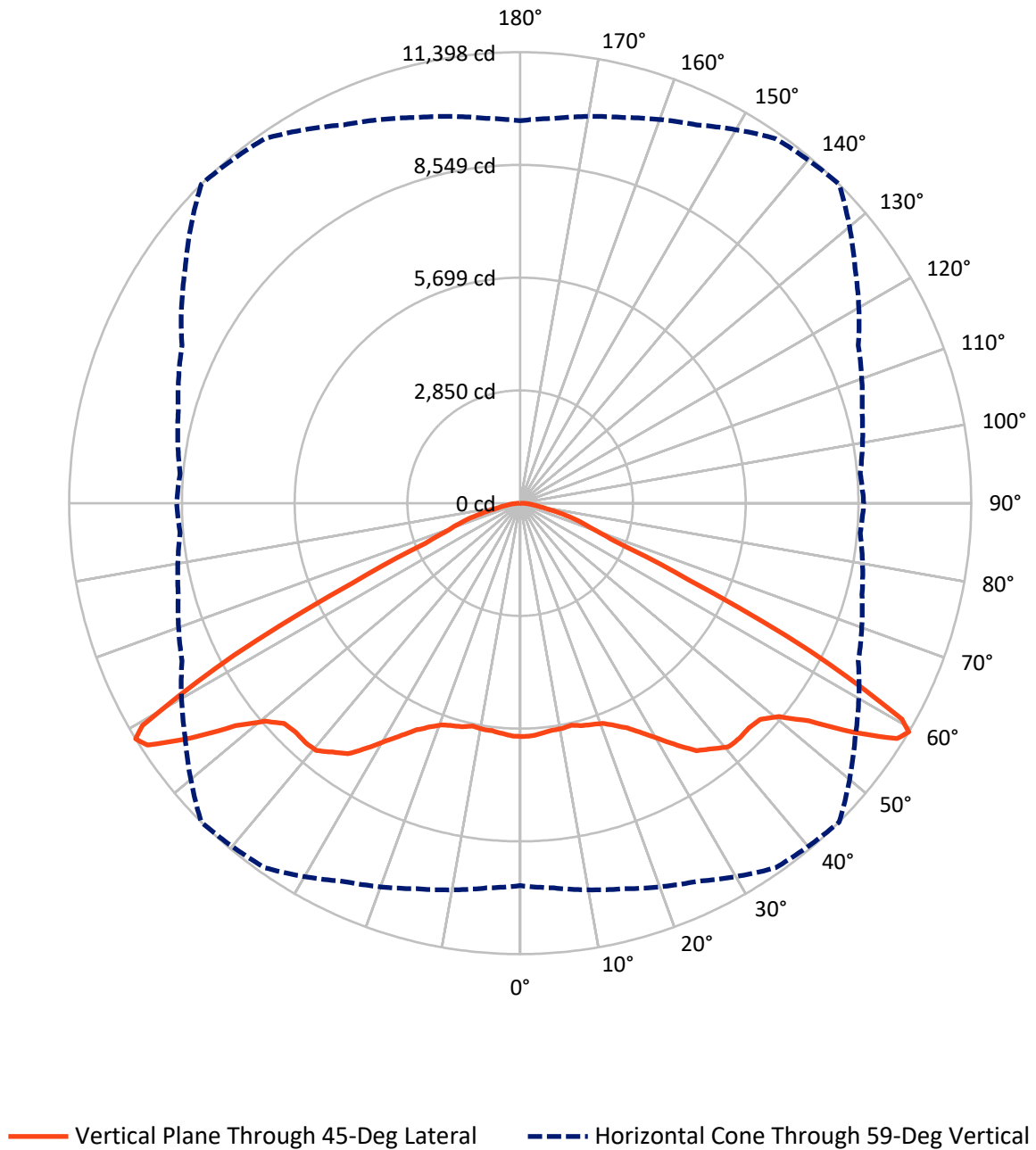


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P532100

CATALOG NUMBER: GLAN-SA7C-722-U-5WQ-GRSWH

## Luminous Intensity Polar Plot



REPORT NUMBER: P532100

CATALOG NUMBER: GLAN-SA7C-722-U-5WQ-GRSWH

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15269.5  | 0.0    | 15269.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15269.5  | 0.0    | 15269.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 30539.0  | 0.0    | 30539.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 556.1   | 1.8       |
| 10°-20°   | 1653.6  | 5.4       |
| 20°-30°   | 2887.4  | 9.5       |
| 30°-40°   | 4611.6  | 15.1      |
| 40°-50°   | 6281.9  | 20.6      |
| 50°-60°   | 8494.8  | 27.8      |
| 60°-70°   | 4658.6  | 15.3      |
| 70°-80°   | 1191.8  | 3.9       |
| 80°-90°   | 203.3   | 0.7       |
| 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°    | 30539.0 | 100.0     |
| 0°-180°   | 30539.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P532100

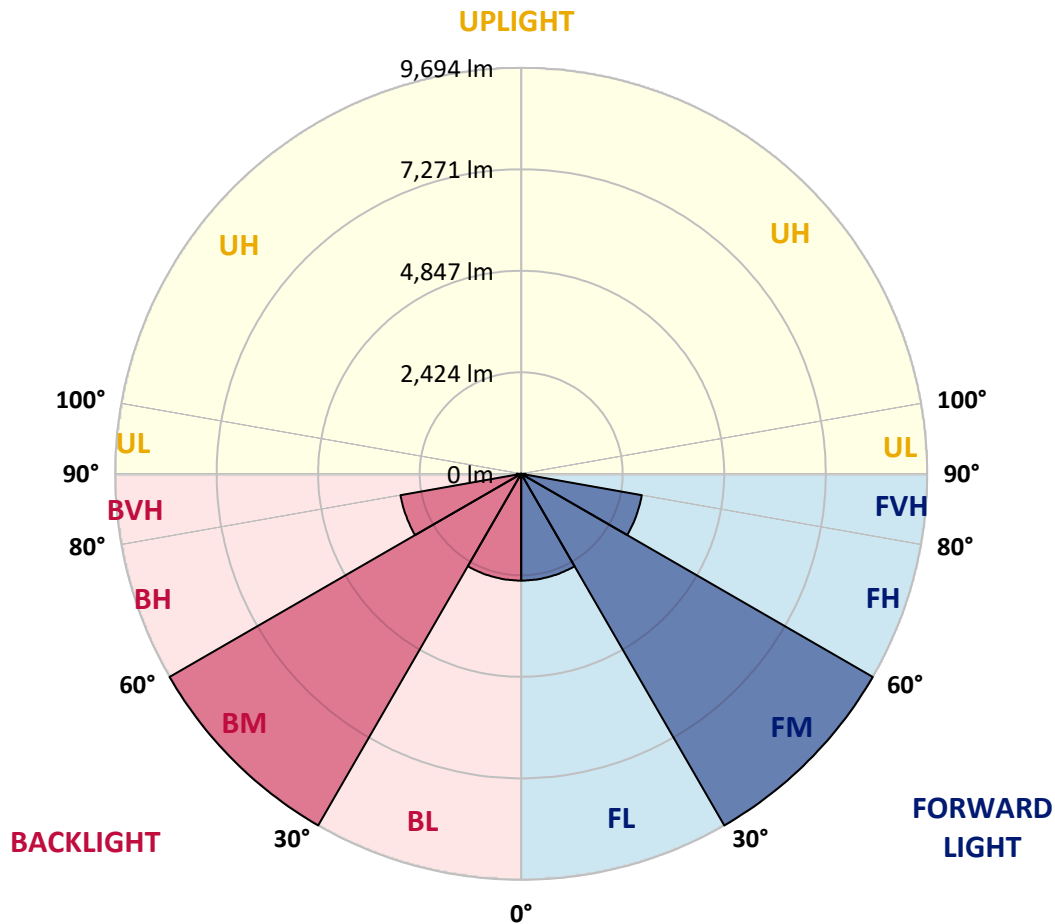
CATALOG NUMBER: GLAN-SA7C-722-U-5WQ-GRSWH

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2548.5 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 9694.2 | 31.7      |                         |      |         |
| FH   | (60°-80°)   | 2925.2 | 9.6       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 101.6  | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2548.5 | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 9694.2 | 31.7      | B5                      |      |         |
| BH   | (60°-80°)   | 2925.2 | 9.6       | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 101.6  | 0.3       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G2**

Type V Short



REPORT NUMBER: P532100

CATALOG NUMBER: GLAN-SA7C-722-U-5WQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    | 90°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 5898.7  | 5898.7  | 5898.7  | 5898.7  | 5898.7  | 5898.7  | 5898.7  | 5898.7 | 5898.7 | 5898.7 | 5898.7 |
| 2.5°  | 5863.4  | 5906.5  | 5875.2  | 5902.6  | 5898.7  | 5886.9  | 5867.4  | 5855.6 | 5840.0 | 5863.4 | 5824.3 |
| 5°    | 5840.0  | 5875.2  | 5910.4  | 5863.4  | 5863.4  | 5840.0  | 5828.2  | 5804.7 | 5804.7 | 5800.8 | 5796.9 |
| 7.5°  | 5879.1  | 5843.9  | 5828.2  | 5836.0  | 5843.9  | 5793.0  | 5828.2  | 5781.2 | 5742.1 | 5769.5 | 5800.8 |
| 10°   | 5843.9  | 5859.5  | 5800.8  | 5828.2  | 5785.2  | 5793.0  | 5769.5  | 5800.8 | 5757.8 | 5757.8 | 5757.8 |
| 12.5° | 5879.1  | 5836.0  | 5855.6  | 5836.0  | 5824.3  | 5757.8  | 5789.1  | 5753.8 | 5749.9 | 5789.1 | 5753.8 |
| 15°   | 5949.6  | 5879.1  | 5863.4  | 5824.3  | 5836.0  | 5836.0  | 5804.7  | 5808.6 | 5765.6 | 5789.1 | 5796.9 |
| 17.5° | 5926.1  | 5886.9  | 5875.2  | 5828.2  | 5867.4  | 5879.1  | 5820.4  | 5781.2 | 5808.6 | 5804.7 | 5800.8 |
| 20°   | 5945.6  | 5961.3  | 5949.6  | 5957.4  | 5973.0  | 5941.7  | 5886.9  | 5832.1 | 5796.9 | 5847.8 | 5843.9 |
| 22.5° | 6070.9  | 6055.2  | 6047.4  | 6039.6  | 6067.0  | 6098.3  | 6023.9  | 5937.8 | 5937.8 | 5973.0 | 5988.7 |
| 25°   | 6172.7  | 6168.8  | 6164.8  | 6200.1  | 6294.0  | 6294.0  | 6200.1  | 6090.5 | 6063.1 | 6086.6 | 6067.0 |
| 27.5° | 6321.4  | 6364.5  | 6348.8  | 6411.4  | 6548.4  | 6579.7  | 6454.5  | 6325.3 | 6251.0 | 6223.6 | 6258.8 |
| 30°   | 6661.9  | 6611.1  | 6622.8  | 6689.3  | 6810.7  | 6912.4  | 6720.7  | 6583.7 | 6481.9 | 6478.0 | 6493.6 |
| 32.5° | 6889.0  | 6928.1  | 6963.3  | 7026.0  | 7217.8  | 7296.0  | 7065.1  | 6842.0 | 6779.4 | 6744.1 | 6755.9 |
| 35°   | 7343.0  | 7307.8  | 7300.0  | 7362.6  | 7554.4  | 7683.5  | 7393.9  | 7198.2 | 7116.0 | 7194.3 | 7194.3 |
| 37.5° | 7773.6  | 7675.7  | 7601.3  | 7683.5  | 7859.7  | 7875.3  | 7628.7  | 7523.1 | 7480.0 | 7570.0 | 7566.1 |
| 40°   | 7977.1  | 7969.3  | 7797.1  | 7844.0  | 8078.9  | 8102.4  | 7871.4  | 7746.2 | 7738.3 | 7855.8 | 7973.2 |
| 42.5° | 8188.5  | 8114.1  | 7941.9  | 7973.2  | 8118.0  | 8125.8  | 7906.7  | 7871.4 | 7957.5 | 8071.0 | 8078.9 |
| 45°   | 8223.7  | 8161.1  | 8051.5  | 7973.2  | 8078.9  | 8102.4  | 7973.2  | 7996.7 | 8004.5 | 8141.5 | 8141.5 |
| 47.5° | 8294.2  | 8286.3  | 8223.7  | 8165.0  | 8184.6  | 8165.0  | 8082.8  | 8118.0 | 8235.4 | 8302.0 | 8270.7 |
| 50°   | 8489.9  | 8407.7  | 8470.3  | 8419.4  | 8423.3  | 8478.1  | 8403.8  | 8439.0 | 8415.5 | 8356.8 | 8317.6 |
| 52.5° | 8920.4  | 8881.3  | 8936.1  | 8971.3  | 9010.5  | 9135.7  | 9049.6  | 8861.7 | 8685.6 | 8529.0 | 8525.1 |
| 55°   | 9550.6  | 9578.0  | 9683.7  | 9863.7  | 10016.4 | 10216.0 | 9801.1  | 9351.0 | 9069.2 | 8822.6 | 8838.2 |
| 57.5° | 10145.6 | 10126.0 | 10270.8 | 10681.8 | 11128.0 | 11229.8 | 10415.6 | 9773.7 | 9315.8 | 9159.2 | 9092.6 |
| 59°   | 9668.0  | 9762.0  | 10090.8 | 10548.7 | 11249.4 | 11398.1 | 10333.4 | 9429.3 | 8943.9 | 8626.9 | 8681.7 |
| 60°   | 8916.5  | 8951.7  | 9245.3  | 9883.3  | 10830.5 | 11085.0 | 9781.5  | 8896.9 | 8251.1 | 8067.1 | 8149.3 |
| 62.5° | 6301.8  | 6274.4  | 6485.8  | 7006.4  | 7855.8  | 8200.2  | 7272.6  | 6650.2 | 6243.1 | 6039.6 | 6086.6 |
| 65°   | 3350.5  | 3475.8  | 3561.9  | 3886.8  | 4336.9  | 4700.9  | 4317.3  | 4047.3 | 3820.2 | 3651.9 | 3648.0 |
| 67.5° | 2262.4  | 2246.7  | 2266.3  | 2340.7  | 2493.3  | 2595.1  | 2587.3  | 2450.3 | 2430.7 | 2399.4 | 2434.6 |
| 70°   | 1906.2  | 1898.4  | 1863.2  | 1863.2  | 1894.5  | 1917.9  | 1945.3  | 1961.0 | 1992.3 | 2031.5 | 2027.5 |
| 72.5° | 1546.1  | 1526.5  | 1503.0  | 1491.3  | 1530.4  | 1542.2  | 1577.4  | 1593.1 | 1620.5 | 1616.6 | 1651.8 |
| 75°   | 1021.6  | 1021.6  | 1049.0  | 1080.3  | 1092.1  | 1115.5  | 1119.5  | 1166.4 | 1166.4 | 1174.3 | 1142.9 |
| 77.5° | 571.5   | 555.8   | 575.4   | 606.7   | 634.1   | 677.2   | 720.2   | 755.4  | 775.0  | 767.2  | 767.2  |
| 80°   | 332.7   | 332.7   | 352.3   | 387.5   | 422.7   | 461.9   | 493.2   | 520.6  | 540.2  | 532.3  | 516.7  |
| 82.5° | 207.5   | 207.5   | 227.0   | 262.3   | 289.6   | 313.1   | 356.2   | 391.4  | 414.9  | 407.1  | 387.5  |
| 85°   | 105.7   | 105.7   | 129.2   | 152.7   | 187.9   | 203.5   | 199.6   | 184.0  | 180.1  | 160.5  | 160.5  |
| 87.5° | 27.4    | 27.4    | 39.1    | 43.1    | 35.2    | 39.1    | 39.1    | 39.1   | 39.1   | 39.1   | 43.1   |
| 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)