

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: P533556

Luminaire Tested: **GLAN-SA9A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533556  
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-SA9A-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 615mA 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: 32032 lumens  
Efficiency: N/A  
Efficacy: 116.9 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): 274  
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



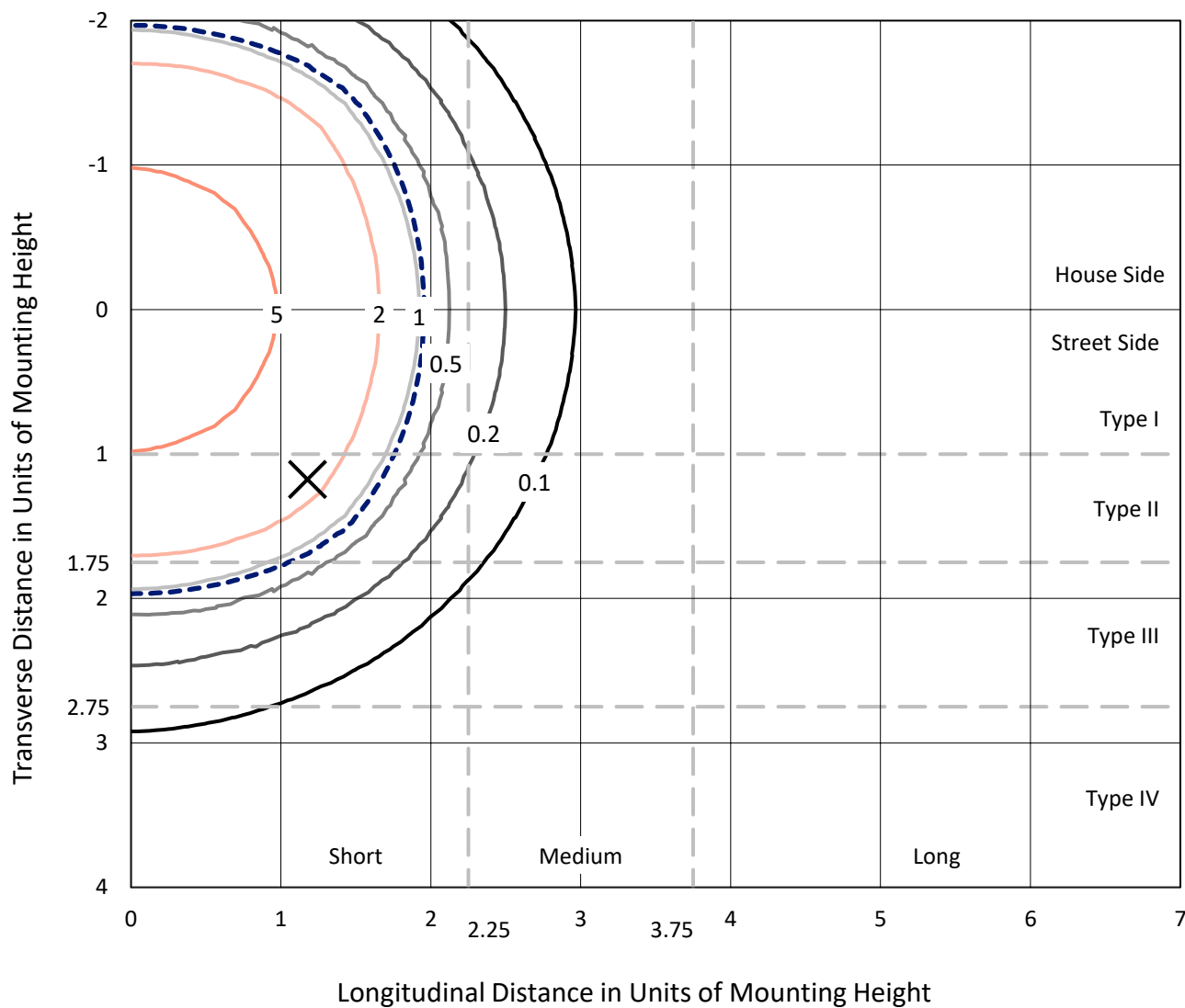
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

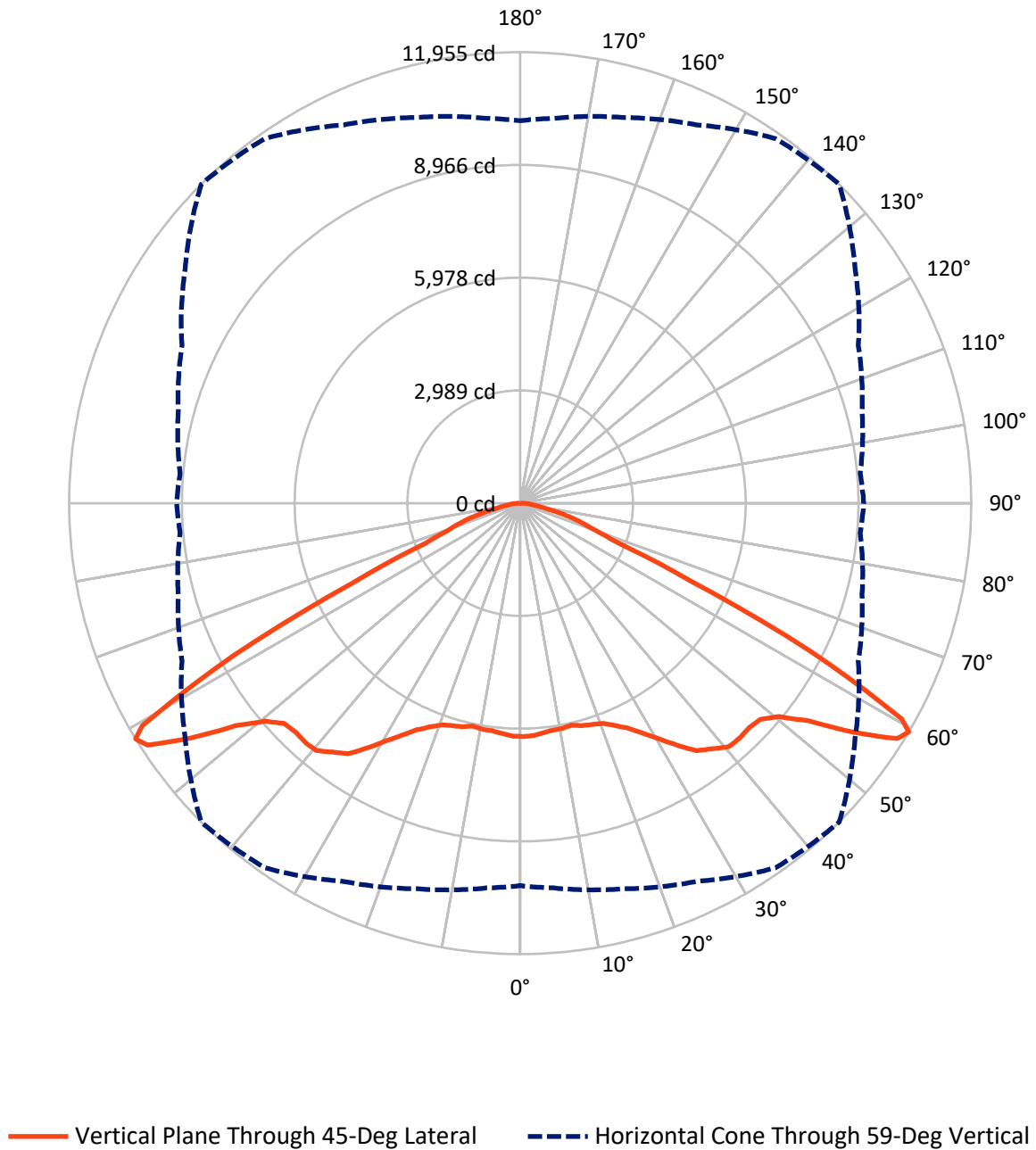


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16016.0  | 0.0    | 16016.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16016.0  | 0.0    | 16016.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32032.0  | 0.0    | 32032.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 583.2   | 1.8       |
| 10°-20°   | 1734.5  | 5.4       |
| 20°-30°   | 3028.6  | 9.5       |
| 30°-40°   | 4837.0  | 15.1      |
| 40°-50°   | 6589.0  | 20.6      |
| 50°-60°   | 8910.1  | 27.8      |
| 60°-70°   | 4886.3  | 15.3      |
| 70°-80°   | 1250.1  | 3.9       |
| 80°-90°   | 213.2   | 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°    | 32032.0 | 100.0     |
| 0°-180°   | 32032.0 | 100.0     |

**Coefficient of Utilization**



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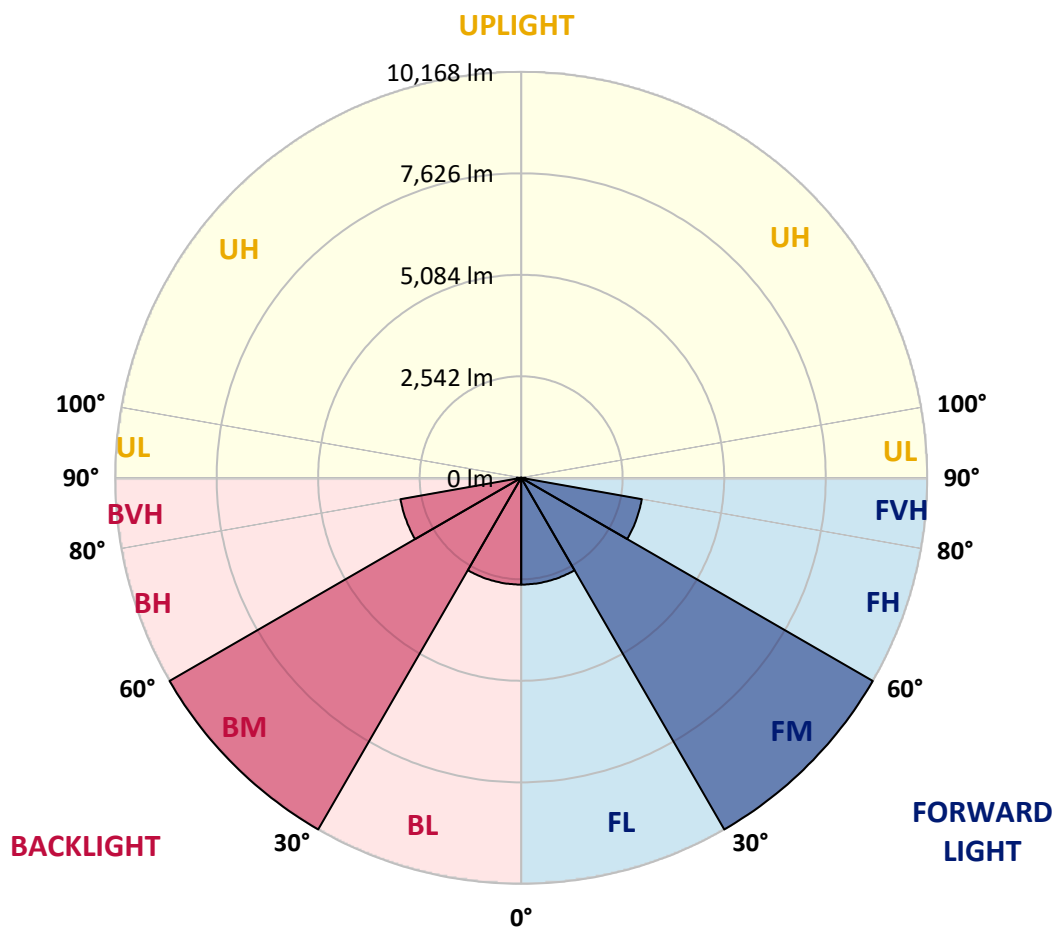
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2673.1  | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 10168.1 | 31.7      |                         |      |         |
| FH   | (60°-80°)   | 3068.2  | 9.6       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 106.6   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2673.1  | 8.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 10168.1 | 31.7      | B5                      |      |         |
| BH   | (60°-80°)   | 3068.2  | 9.6       | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 106.6   | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°    | 85°    | 90°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 6187.1  | 6187.1  | 6187.1  | 6187.1  | 6187.1  | 6187.1  | 6187.1  | 6187.1  | 6187.1 | 6187.1 | 6187.1 |
| 2.5°  | 6150.1  | 6195.3  | 6162.4  | 6191.2  | 6187.1  | 6174.7  | 6154.2  | 6141.9  | 6125.5 | 6150.1 | 6109.0 |
| 5°    | 6125.5  | 6162.4  | 6199.4  | 6150.1  | 6150.1  | 6125.5  | 6113.2  | 6088.5  | 6088.5 | 6084.4 | 6080.3 |
| 7.5°  | 6166.5  | 6129.6  | 6113.2  | 6121.4  | 6129.6  | 6076.2  | 6113.2  | 6063.9  | 6022.8 | 6051.6 | 6084.4 |
| 10°   | 6129.6  | 6146.0  | 6084.4  | 6113.2  | 6068.0  | 6076.2  | 6051.6  | 6084.4  | 6039.3 | 6039.3 | 6039.3 |
| 12.5° | 6166.5  | 6121.4  | 6141.9  | 6121.4  | 6109.0  | 6039.3  | 6072.1  | 6035.1  | 6031.0 | 6072.1 | 6035.1 |
| 15°   | 6240.4  | 6166.5  | 6150.1  | 6109.0  | 6121.4  | 6121.4  | 6088.5  | 6092.6  | 6047.5 | 6072.1 | 6080.3 |
| 17.5° | 6215.8  | 6174.7  | 6162.4  | 6113.2  | 6154.2  | 6166.5  | 6104.9  | 6063.9  | 6092.6 | 6088.5 | 6084.4 |
| 20°   | 6236.3  | 6252.7  | 6240.4  | 6248.6  | 6265.1  | 6232.2  | 6174.7  | 6117.3  | 6080.3 | 6133.7 | 6129.6 |
| 22.5° | 6367.7  | 6351.3  | 6343.1  | 6334.9  | 6363.6  | 6396.4  | 6318.4  | 6228.1  | 6228.1 | 6265.1 | 6281.5 |
| 25°   | 6474.4  | 6470.3  | 6466.2  | 6503.2  | 6601.7  | 6601.7  | 6503.2  | 6388.2  | 6359.5 | 6384.1 | 6363.6 |
| 27.5° | 6630.4  | 6675.6  | 6659.2  | 6724.9  | 6868.6  | 6901.4  | 6770.0  | 6634.6  | 6556.5 | 6527.8 | 6564.8 |
| 30°   | 6987.6  | 6934.3  | 6946.6  | 7016.4  | 7143.6  | 7250.4  | 7049.2  | 6905.5  | 6798.8 | 6794.7 | 6811.1 |
| 32.5° | 7225.8  | 7266.8  | 7303.8  | 7369.4  | 7570.6  | 7652.7  | 7410.5  | 7176.5  | 7110.8 | 7073.8 | 7086.2 |
| 35°   | 7702.0  | 7665.0  | 7656.8  | 7722.5  | 7923.7  | 8059.2  | 7755.4  | 7550.1  | 7463.9 | 7546.0 | 7546.0 |
| 37.5° | 8153.6  | 8051.0  | 7973.0  | 8059.2  | 8243.9  | 8260.3  | 8001.7  | 7890.9  | 7845.7 | 7940.1 | 7936.0 |
| 40°   | 8367.1  | 8358.9  | 8178.2  | 8227.5  | 8473.8  | 8498.5  | 8256.2  | 8124.9  | 8116.7 | 8239.8 | 8363.0 |
| 42.5° | 8588.8  | 8510.8  | 8330.1  | 8363.0  | 8514.9  | 8523.1  | 8293.2  | 8256.2  | 8346.6 | 8465.6 | 8473.8 |
| 45°   | 8625.7  | 8560.1  | 8445.1  | 8363.0  | 8473.8  | 8498.5  | 8363.0  | 8387.6  | 8395.8 | 8539.5 | 8539.5 |
| 47.5° | 8699.6  | 8691.4  | 8625.7  | 8564.2  | 8584.7  | 8564.2  | 8477.9  | 8514.9  | 8638.1 | 8707.9 | 8675.0 |
| 50°   | 8904.9  | 8818.7  | 8884.4  | 8831.0  | 8835.1  | 8892.6  | 8814.6  | 8851.5  | 8826.9 | 8765.3 | 8724.3 |
| 52.5° | 9356.5  | 9315.5  | 9373.0  | 9409.9  | 9451.0  | 9582.3  | 9492.0  | 9294.9  | 9110.2 | 8946.0 | 8941.9 |
| 55°   | 10017.5 | 10046.3 | 10157.1 | 10346.0 | 10506.1 | 10715.5 | 10280.3 | 9808.1  | 9512.5 | 9253.9 | 9270.3 |
| 57.5° | 10641.6 | 10621.0 | 10772.9 | 11204.0 | 11672.1 | 11778.8 | 10924.8 | 10251.5 | 9771.2 | 9607.0 | 9537.2 |
| 59°   | 10140.7 | 10239.2 | 10584.1 | 11064.4 | 11799.3 | 11955.3 | 10838.6 | 9890.2  | 9381.2 | 9048.6 | 9106.1 |
| 60°   | 9352.4  | 9389.4  | 9697.3  | 10366.5 | 11360.0 | 11626.9 | 10259.7 | 9331.9  | 8654.5 | 8461.5 | 8547.7 |
| 62.5° | 6609.9  | 6581.2  | 6802.9  | 7348.9  | 8239.8  | 8601.1  | 7628.1  | 6975.3  | 6548.3 | 6334.9 | 6384.1 |
| 65°   | 3514.3  | 3645.7  | 3736.0  | 4076.8  | 4548.9  | 4930.8  | 4528.4  | 4245.1  | 4007.0 | 3830.5 | 3826.4 |
| 67.5° | 2373.0  | 2356.6  | 2377.1  | 2455.1  | 2615.2  | 2722.0  | 2713.8  | 2570.1  | 2549.5 | 2516.7 | 2553.6 |
| 70°   | 1999.4  | 1991.2  | 1954.2  | 1954.2  | 1987.1  | 2011.7  | 2040.5  | 2056.9  | 2089.7 | 2130.8 | 2126.7 |
| 72.5° | 1621.7  | 1601.2  | 1576.5  | 1564.2  | 1605.3  | 1617.6  | 1654.5  | 1671.0  | 1699.7 | 1695.6 | 1732.5 |
| 75°   | 1071.5  | 1071.5  | 1100.3  | 1133.1  | 1145.4  | 1170.1  | 1174.2  | 1223.5  | 1223.5 | 1231.7 | 1198.8 |
| 77.5° | 599.4   | 583.0   | 603.5   | 636.4   | 665.1   | 710.3   | 755.4   | 792.4   | 812.9  | 804.7  | 804.7  |
| 80°   | 349.0   | 349.0   | 369.5   | 406.4   | 443.4   | 484.5   | 517.3   | 546.0   | 566.6  | 558.4  | 541.9  |
| 82.5° | 217.6   | 217.6   | 238.1   | 275.1   | 303.8   | 328.4   | 373.6   | 410.6   | 435.2  | 427.0  | 406.4  |
| 85°   | 110.8   | 110.8   | 135.5   | 160.1   | 197.1   | 213.5   | 209.4   | 193.0   | 188.9  | 168.3  | 168.3  |
| 87.5° | 28.7    | 28.7    | 41.1    | 45.2    | 36.9    | 41.1    | 41.1    | 41.1    | 41.1   | 41.1   | 45.2   |
| 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)