

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: P455368

Luminaire Tested: **GLAN-SA6C-740-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-740-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41616 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

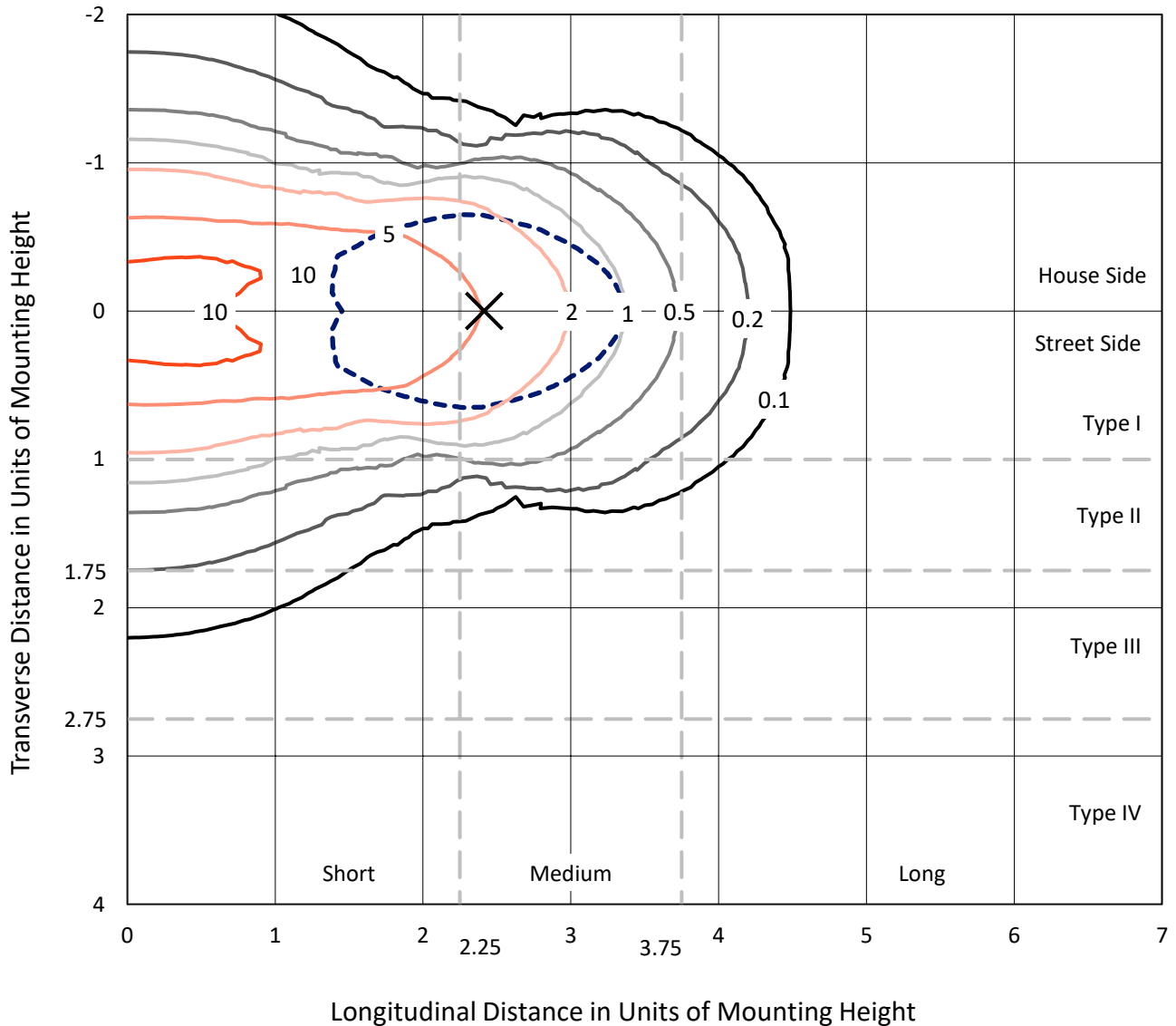
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

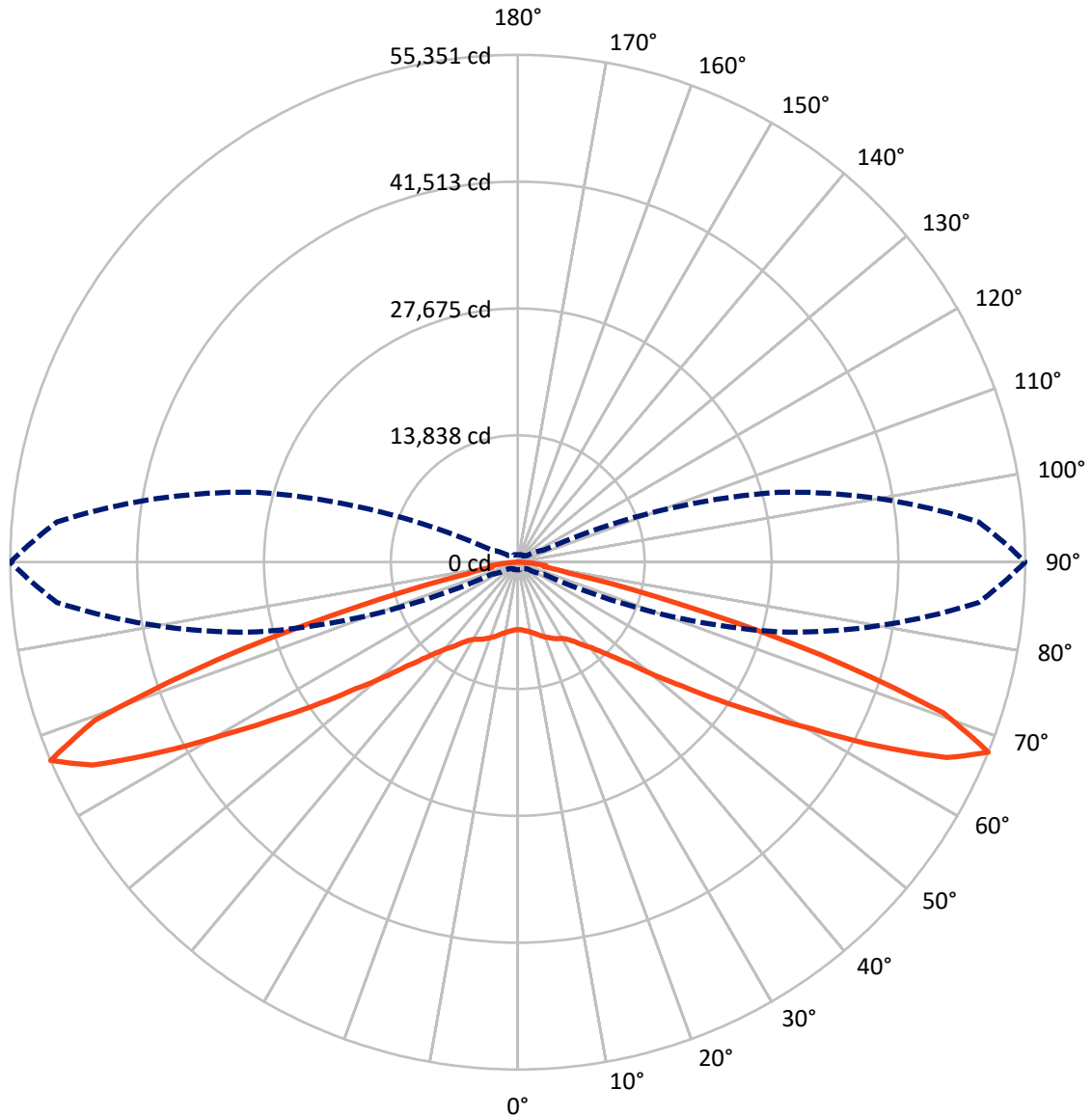
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 20808.0  | 0.0    | 20808.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 20808.0  | 0.0    | 20808.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 41616.0  | 0.0    | 41616.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 734.5   | 1.8       |
| 10°-20°   | 2350.1  | 5.6       |
| 20°-30°   | 3933.4  | 9.5       |
| 30°-40°   | 5328.8  | 12.8      |
| 40°-50°   | 6749.7  | 16.2      |
| 50°-60°   | 8432.1  | 20.3      |
| 60°-70°   | 9911.6  | 23.8      |
| 70°-80°   | 3791.6  | 9.1       |
| 80°-90°   | 384.1   | 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°    | 41616.0 | 100.0     |
| 0°-180°   | 41616.0 | 100.0     |



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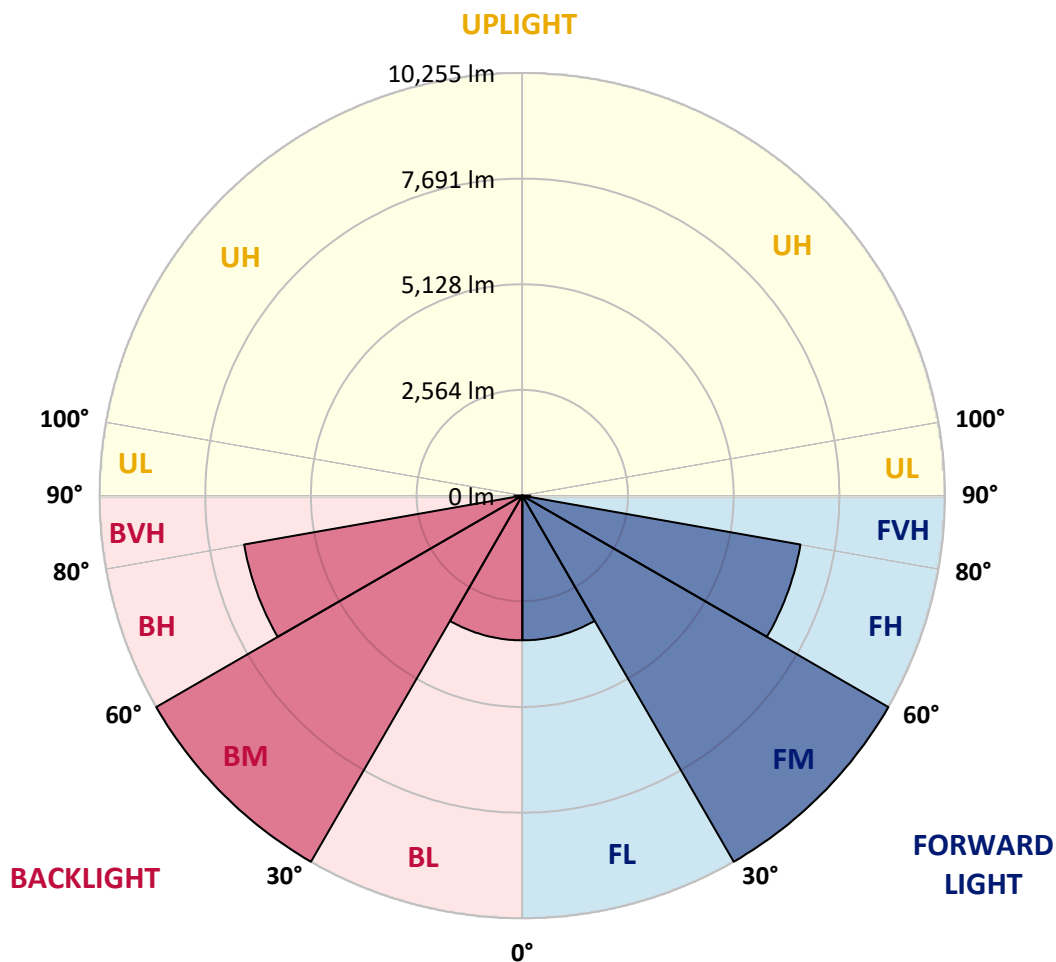
CATALOG NUMBER: GLAN-SA6C-740-U-T1

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3509.0  | 8.4       |                         |      |         |
| FM (30°-60°)   | 10255.3 | 24.6      |                         |      |         |
| FH (60°-80°)   | 6851.6  | 16.5      |                         |      | G3/7500 |
| FVH (80°-90°)  | 192.1   | 0.5       |                         |      | G2/225  |
| BL (0°-30°)    | 3509.0  | 8.4       | B4/5000                 |      |         |
| BM (30°-60°)   | 10255.3 | 24.6      | B5                      |      |         |
| BH (60°-80°)   | 6851.6  | 16.5      | B5                      |      | G5      |
| BVH (80°-90°)  | 192.1   | 0.5       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 7367.3 | 7367.3 | 7367.3 | 7367.3 | 7367.3 | 7367.3 | 7367.3  | 7367.3  | 7367.3  | 7367.3  | 7367.3  |
| 2.5°  | 7461.8 | 7457.2 | 7459.5 | 7457.2 | 7464.1 | 7459.5 | 7431.9  | 7408.8  | 7390.4  | 7392.7  | 7385.8  |
| 5°    | 7620.8 | 7623.1 | 7625.4 | 7613.9 | 7630.0 | 7620.8 | 7577.0  | 7540.2  | 7503.3  | 7489.5  | 7484.9  |
| 7.5°  | 7752.2 | 7763.7 | 7770.6 | 7782.1 | 7809.8 | 7809.8 | 7786.7  | 7733.7  | 7653.1  | 7607.0  | 7604.7  |
| 10°   | 7883.5 | 7892.7 | 7913.5 | 7950.4 | 7996.4 | 8040.2 | 8031.0  | 7959.6  | 7855.9  | 7777.5  | 7759.1  |
| 12.5° | 7929.6 | 7941.1 | 8010.3 | 8116.3 | 8220.0 | 8305.2 | 8305.2  | 8247.6  | 8114.0  | 7994.1  | 7959.6  |
| 15°   | 7768.3 | 7789.0 | 7913.5 | 8139.3 | 8411.2 | 8597.9 | 8639.4  | 8558.7  | 8415.9  | 8231.5  | 8190.0  |
| 17.5° | 7448.0 | 7498.7 | 7680.7 | 8014.9 | 8466.6 | 8853.7 | 8973.5  | 8934.4  | 8750.0  | 8514.9  | 8466.6  |
| 20°   | 7104.6 | 7159.9 | 7353.5 | 7796.0 | 8420.5 | 9003.5 | 9351.5  | 9360.7  | 9132.5  | 8791.5  | 8720.0  |
| 22.5° | 6726.7 | 6768.2 | 7017.1 | 7535.6 | 8282.2 | 9038.1 | 9676.4  | 9835.4  | 9526.6  | 9068.0  | 8966.6  |
| 25°   | 6302.7 | 6348.8 | 6609.2 | 7169.1 | 8021.8 | 8998.9 | 9973.7  | 10323.9 | 9939.1  | 9363.0  | 9233.9  |
| 27.5° | 5897.1 | 5915.5 | 6194.4 | 6763.6 | 7678.4 | 8897.5 | 10192.6 | 10773.3 | 10395.4 | 9607.3  | 9443.6  |
| 30°   | 5507.6 | 5551.4 | 5798.0 | 6360.3 | 7284.4 | 8699.3 | 10381.5 | 11284.9 | 10886.2 | 9863.0  | 9653.3  |
| 32.5° | 5095.1 | 5148.1 | 5415.5 | 5984.7 | 6890.3 | 8402.0 | 10496.8 | 11844.9 | 11570.6 | 10277.8 | 10054.3 |
| 35°   | 4698.8 | 4733.3 | 5003.0 | 5556.0 | 6505.5 | 8056.4 | 10517.5 | 12476.3 | 12453.2 | 10907.0 | 10609.7 |
| 37.5° | 4293.2 | 4343.9 | 4615.8 | 5145.8 | 6097.6 | 7690.0 | 10413.8 | 13146.9 | 13517.9 | 11780.4 | 11460.0 |
| 40°   | 3903.7 | 3947.5 | 4214.8 | 4749.5 | 5634.4 | 7242.9 | 10167.2 | 13759.9 | 14760.0 | 12679.1 | 12225.1 |
| 42.5° | 3479.7 | 3491.2 | 3783.9 | 4327.8 | 5180.4 | 6724.4 | 9812.3  | 14306.0 | 16145.0 | 13884.3 | 13319.7 |
| 45°   | 2998.1 | 3028.0 | 3300.0 | 3834.6 | 4659.6 | 6143.7 | 9330.7  | 14757.7 | 17901.0 | 15555.0 | 14785.4 |
| 47.5° | 2516.5 | 2541.8 | 2790.7 | 3318.4 | 4090.4 | 5477.7 | 8588.7  | 15154.1 | 19703.1 | 17677.4 | 16668.1 |
| 50°   | 2046.4 | 2060.2 | 2263.0 | 2730.8 | 3449.8 | 4777.1 | 7669.2  | 15280.8 | 21740.2 | 20682.4 | 19394.3 |
| 52.5° | 1617.7 | 1638.5 | 1792.9 | 2159.3 | 2765.3 | 3949.8 | 6676.0  | 14967.4 | 24118.4 | 24245.1 | 22429.2 |
| 55°   | 1311.2 | 1318.1 | 1433.4 | 1703.0 | 2161.6 | 3083.4 | 5477.7  | 14094.0 | 26676.3 | 28810.2 | 26494.3 |
| 57.5° | 1129.2 | 1133.8 | 1198.3 | 1348.1 | 1663.8 | 2325.2 | 4249.4  | 12441.7 | 28973.9 | 34158.9 | 31181.5 |
| 60°   | 1025.5 | 1027.8 | 1064.7 | 1152.2 | 1318.1 | 1783.6 | 3044.2  | 10109.6 | 31241.4 | 40111.3 | 37007.2 |
| 62.5° | 961.0  | 961.0  | 986.3  | 1034.7 | 1115.4 | 1368.8 | 2205.4  | 7293.6  | 32794.6 | 46151.2 | 44187.8 |
| 65°   | 898.7  | 898.7  | 917.2  | 951.7  | 995.5  | 1120.0 | 1629.2  | 4756.4  | 32755.5 | 50550.4 | 51410.0 |
| 67.5° | 827.3  | 827.3  | 841.1  | 875.7  | 901.0  | 963.3  | 1258.2  | 3115.6  | 29423.2 | 50453.6 | 55350.6 |
| 70°   | 742.0  | 742.0  | 760.5  | 790.4  | 811.2  | 850.3  | 993.2   | 2131.6  | 21615.7 | 43079.4 | 49225.4 |
| 72.5° | 656.8  | 659.1  | 670.6  | 700.6  | 716.7  | 739.7  | 825.0   | 1493.3  | 13259.8 | 29333.3 | 34419.3 |
| 75°   | 562.3  | 566.9  | 578.4  | 608.4  | 622.2  | 631.4  | 695.9   | 1064.7  | 6708.3  | 15815.4 | 18007.0 |
| 77.5° | 454.0  | 463.2  | 470.1  | 502.4  | 511.6  | 525.4  | 573.8   | 769.7   | 2945.1  | 5682.8  | 5733.5  |
| 80°   | 331.8  | 343.4  | 364.1  | 394.1  | 401.0  | 410.2  | 437.8   | 546.2   | 1334.3  | 2594.8  | 2818.3  |
| 82.5° | 244.3  | 260.4  | 235.1  | 274.2  | 274.2  | 262.7  | 308.8   | 366.4   | 613.0   | 2569.5  | 3074.1  |
| 85°   | 133.7  | 136.0  | 122.1  | 140.6  | 149.8  | 147.5  | 163.6   | 179.7   | 297.3   | 1714.5  | 1767.5  |
| 87.5° | 32.3   | 34.6   | 36.9   | 43.8   | 53.0   | 53.0   | 57.6    | 50.7    | 96.8    | 555.4   | 318.0   |
| 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)