

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: P455412

Luminaire Tested: **GLAN-SA6C-760-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-760-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43633 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

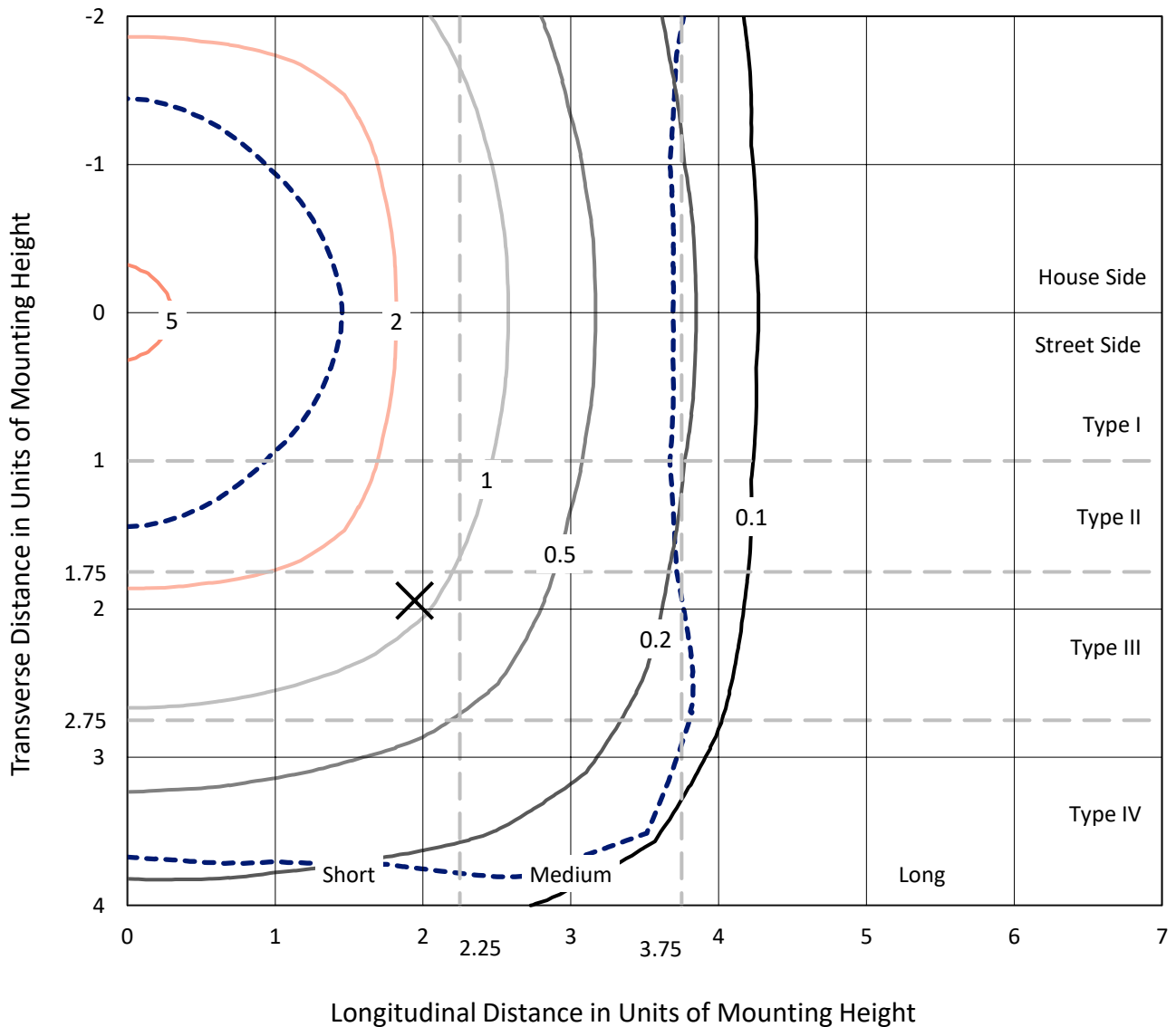
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

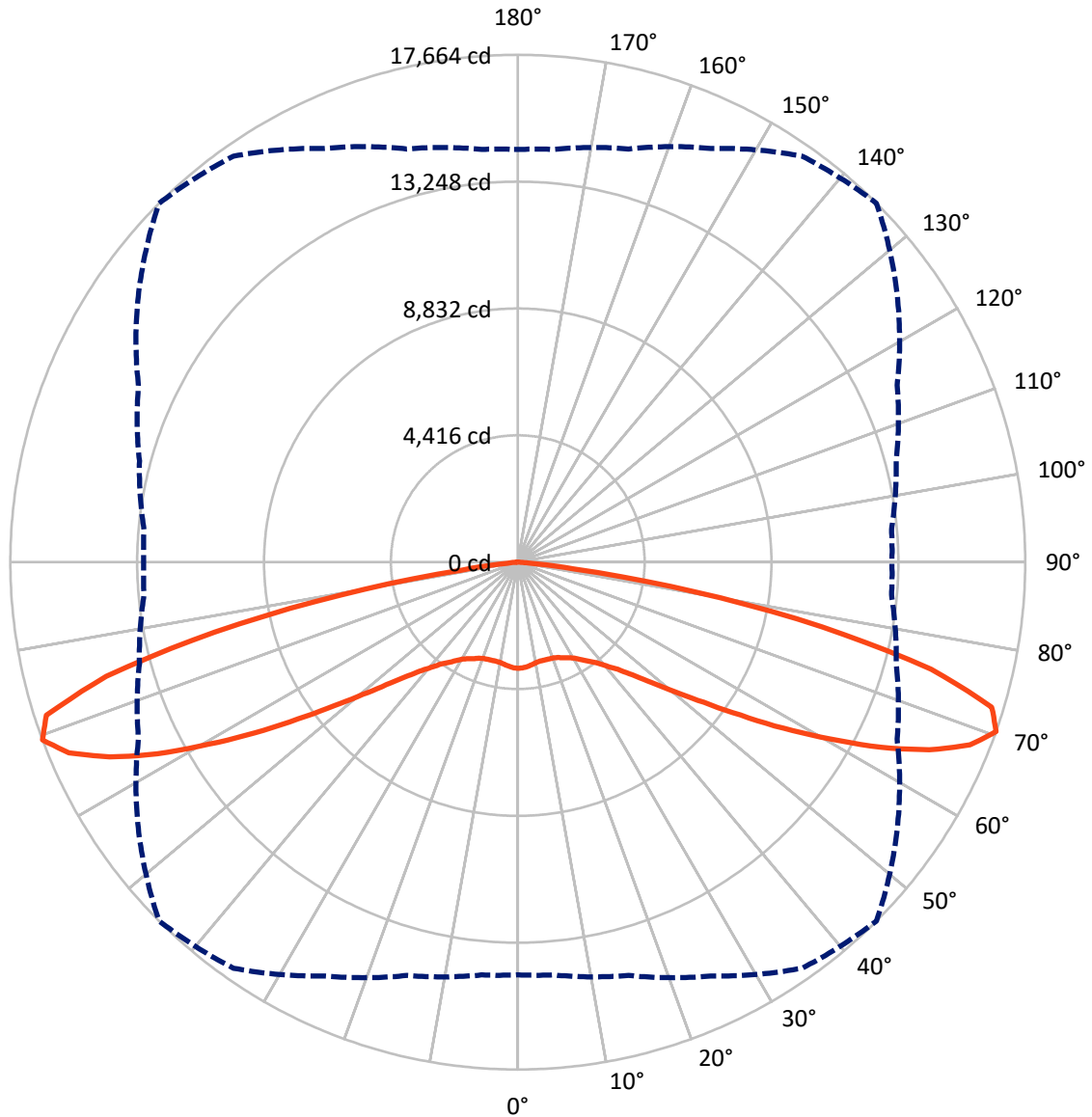
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21816.5  | 0.0    | 21816.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21816.5  | 0.0    | 21816.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 43633.0  | 0.0    | 43633.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 345.5   | 0.8       |
| 10°-20°   | 1011.4  | 2.3       |
| 20°-30°   | 1723.1  | 3.9       |
| 30°-40°   | 2670.8  | 6.1       |
| 40°-50°   | 4495.4  | 10.3      |
| 50°-60°   | 8179.2  | 18.7      |
| 60°-70°   | 13847.1 | 31.7      |
| 70°-80°   | 10718.2 | 24.6      |
| 80°-90°   | 642.2   | 1.5       |
| 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°    | 43633.0 | 100.0     |
| 0°-180°   | 43633.0 | 100.0     |



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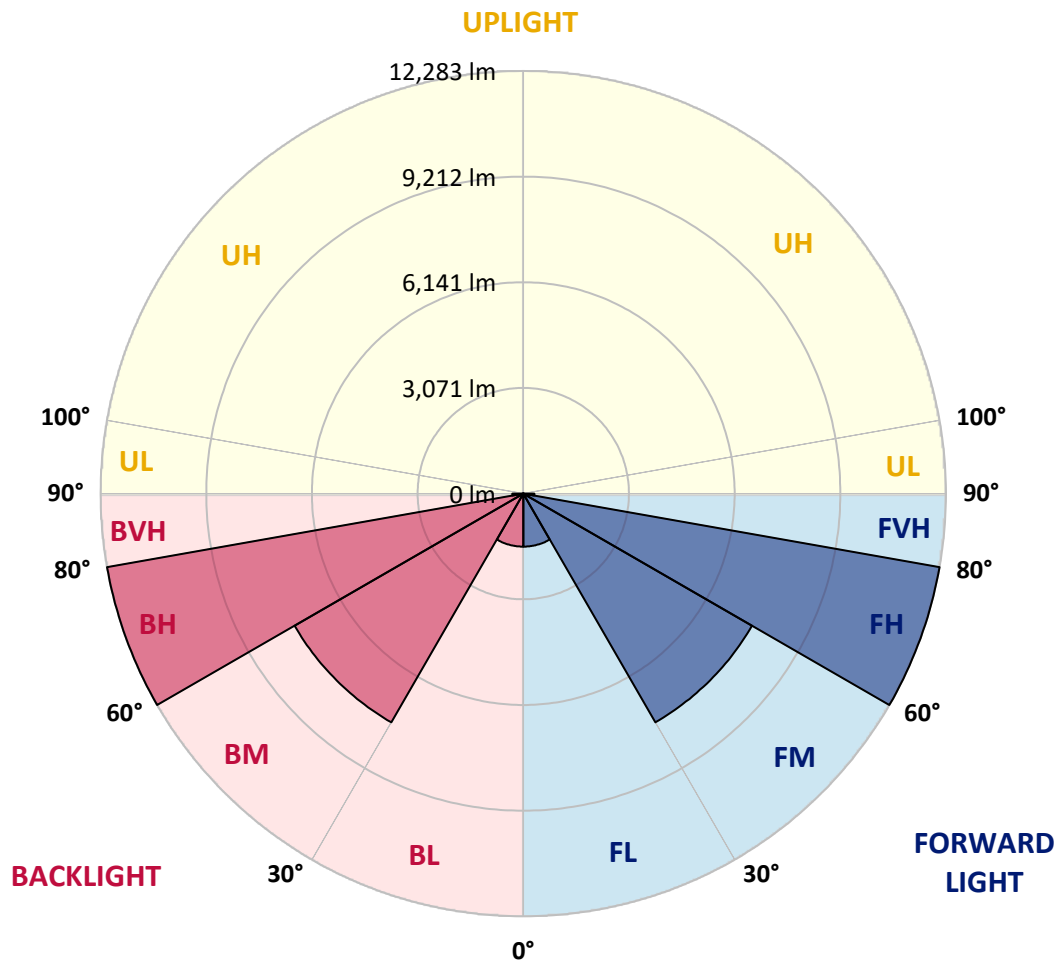
CATALOG NUMBER: GLAN-SA6C-760-U-5WQ

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|---------|-----------|-------------------------|------|--------|
|                |         |           | B                       | U    | G      |
| FL (0°-30°)    | 1540.0  | 3.5       |                         |      |        |
| FM (30°-60°)   | 7672.7  | 17.6      |                         |      |        |
| FH (60°-80°)   | 12282.7 | 28.1      |                         |      | G5     |
| FVH (80°-90°)  | 321.1   | 0.7       |                         |      | G3/500 |
| BL (0°-30°)    | 1540.0  | 3.5       | B3/2500                 |      |        |
| BM (30°-60°)   | 7672.7  | 17.6      | B4/8500                 |      |        |
| BH (60°-80°)   | 12282.7 | 28.1      | B5                      |      | G5     |
| BVH (80°-90°)  | 321.1   | 0.7       |                         |      | G3/500 |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  | 3694.1  |
| 2.5°  | 3684.8  | 3687.2  | 3687.2  | 3682.5  | 3680.2  | 3680.2  | 3677.9  | 3677.9  | 3684.8  | 3687.2  | 3689.5  |
| 5°    | 3652.6  | 3652.6  | 3652.6  | 3650.3  | 3645.7  | 3645.7  | 3641.1  | 3641.1  | 3643.4  | 3650.3  | 3645.7  |
| 7.5°  | 3608.8  | 3613.4  | 3613.4  | 3604.2  | 3597.3  | 3597.3  | 3595.0  | 3597.3  | 3599.6  | 3606.5  | 3604.2  |
| 10°   | 3595.0  | 3597.3  | 3585.8  | 3569.6  | 3558.1  | 3551.2  | 3553.5  | 3558.1  | 3569.6  | 3574.2  | 3576.5  |
| 12.5° | 3604.2  | 3604.2  | 3583.5  | 3560.4  | 3539.7  | 3530.5  | 3528.1  | 3544.3  | 3565.0  | 3578.8  | 3583.5  |
| 15°   | 3615.7  | 3611.1  | 3585.8  | 3555.8  | 3535.1  | 3532.8  | 3530.5  | 3542.0  | 3571.9  | 3599.6  | 3601.9  |
| 17.5° | 3622.6  | 3620.3  | 3588.1  | 3551.2  | 3539.7  | 3539.7  | 3537.4  | 3546.6  | 3578.8  | 3613.4  | 3615.7  |
| 20°   | 3645.7  | 3638.8  | 3601.9  | 3562.7  | 3553.5  | 3558.1  | 3551.2  | 3562.7  | 3597.3  | 3638.8  | 3648.0  |
| 22.5° | 3691.8  | 3684.8  | 3648.0  | 3608.8  | 3604.2  | 3604.2  | 3601.9  | 3613.4  | 3650.3  | 3694.1  | 3701.0  |
| 25°   | 3747.1  | 3740.2  | 3705.6  | 3677.9  | 3682.5  | 3691.8  | 3687.2  | 3689.5  | 3719.4  | 3756.3  | 3767.8  |
| 27.5° | 3820.8  | 3809.3  | 3779.3  | 3756.3  | 3770.1  | 3770.1  | 3770.1  | 3767.8  | 3786.2  | 3820.8  | 3832.3  |
| 30°   | 3910.7  | 3906.1  | 3873.8  | 3871.5  | 3883.0  | 3871.5  | 3871.5  | 3873.8  | 3876.1  | 3908.4  | 3919.9  |
| 32.5° | 4028.2  | 4019.0  | 4002.9  | 3998.3  | 4030.5  | 4039.7  | 4007.5  | 3977.5  | 3993.6  | 4025.9  | 4032.8  |
| 35°   | 4221.8  | 4208.0  | 4184.9  | 4159.6  | 4184.9  | 4228.7  | 4159.6  | 4136.5  | 4178.0  | 4221.8  | 4226.4  |
| 37.5° | 4484.5  | 4477.6  | 4440.7  | 4394.6  | 4392.3  | 4438.4  | 4367.0  | 4364.7  | 4443.0  | 4496.0  | 4502.9  |
| 40°   | 4814.0  | 4821.0  | 4774.9  | 4731.1  | 4708.0  | 4744.9  | 4689.6  | 4710.3  | 4786.4  | 4846.3  | 4841.7  |
| 42.5° | 5277.2  | 5251.9  | 5180.5  | 5139.0  | 5113.6  | 5099.8  | 5086.0  | 5118.2  | 5203.5  | 5268.0  | 5318.7  |
| 45°   | 5818.8  | 5809.6  | 5719.7  | 5669.0  | 5613.7  | 5593.0  | 5588.3  | 5646.0  | 5749.7  | 5828.0  | 5834.9  |
| 47.5° | 6431.8  | 6411.0  | 6353.4  | 6300.4  | 6279.7  | 6254.3  | 6231.3  | 6275.1  | 6378.8  | 6434.1  | 6450.2  |
| 50°   | 7063.2  | 7067.8  | 7067.8  | 7058.6  | 7079.3  | 7083.9  | 7021.7  | 7037.9  | 7095.5  | 7090.9  | 7086.2  |
| 52.5° | 7784.5  | 7809.9  | 7929.7  | 7941.2  | 8040.3  | 8107.1  | 7994.2  | 7927.4  | 7906.6  | 7782.2  | 7791.4  |
| 55°   | 8632.6  | 8655.6  | 8835.3  | 9015.1  | 9282.4  | 9395.3  | 9158.0  | 8950.6  | 8803.1  | 8614.1  | 8623.3  |
| 57.5° | 9690.3  | 9701.8  | 9872.4  | 10218.0 | 10642.0 | 10907.1 | 10490.0 | 10079.8 | 9780.2  | 9600.4  | 9529.0  |
| 60°   | 10828.7 | 10840.2 | 11089.1 | 11510.8 | 12169.9 | 12492.5 | 11976.3 | 11305.7 | 10927.8 | 10653.6 | 10672.0 |
| 62.5° | 12195.3 | 12241.4 | 12464.9 | 13045.6 | 13845.3 | 14207.1 | 13522.6 | 12626.2 | 12114.6 | 11773.5 | 11787.4 |
| 65°   | 13658.6 | 13737.0 | 13981.2 | 14619.6 | 15357.0 | 15746.5 | 14907.6 | 13872.9 | 13236.9 | 12819.8 | 12863.6 |
| 67.5° | 14608.0 | 14677.2 | 15029.8 | 15734.9 | 16654.4 | 16977.0 | 15893.9 | 14688.7 | 13893.7 | 13395.9 | 13303.7 |
| 70°   | 14366.1 | 14423.7 | 14893.8 | 15893.9 | 17255.9 | 17663.8 | 16129.0 | 14568.9 | 13633.3 | 13059.4 | 13022.6 |
| 72.5° | 12681.5 | 12561.7 | 13248.4 | 14684.1 | 16569.1 | 17253.6 | 15389.3 | 13306.0 | 12128.4 | 11538.5 | 11469.4 |
| 75°   | 8404.4  | 8664.8  | 9678.8  | 11370.3 | 14018.1 | 14866.1 | 13135.5 | 10683.5 | 9201.8  | 8710.9  | 8634.9  |
| 77.5° | 2809.2  | 3009.6  | 3910.7  | 6445.6  | 9556.6  | 10831.0 | 9570.5  | 6987.2  | 4943.1  | 3982.1  | 4000.6  |
| 80°   | 744.3   | 735.1   | 951.7   | 1772.1  | 4129.6  | 6272.8  | 4807.1  | 2366.7  | 1295.1  | 937.9   | 889.5   |
| 82.5° | 267.3   | 299.6   | 384.8   | 490.9   | 1094.6  | 1949.6  | 1375.8  | 663.7   | 486.2   | 359.5   | 348.0   |
| 85°   | 117.5   | 115.2   | 165.9   | 195.9   | 274.2   | 364.1   | 322.6   | 281.1   | 246.6   | 163.6   | 152.1   |
| 87.5° | 25.3    | 25.3    | 39.2    | 30.0    | 48.4    | 48.4    | 59.9    | 71.4    | 73.7    | 48.4    | 39.2    |
| 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)