

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: P455879

Luminaire Tested: **GLAN-SA7A-760-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455879  
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-SA7A-760-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32863 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

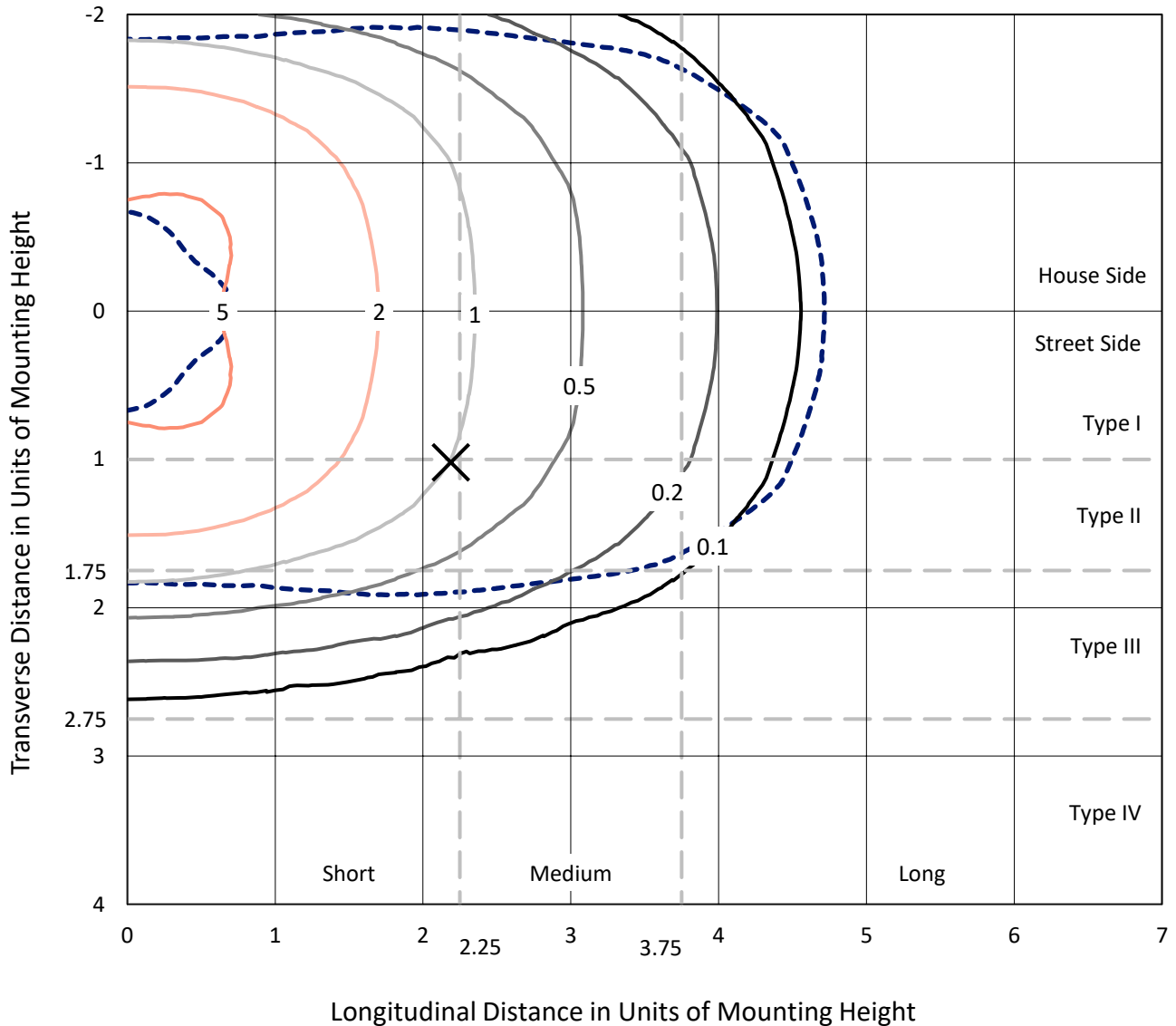
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

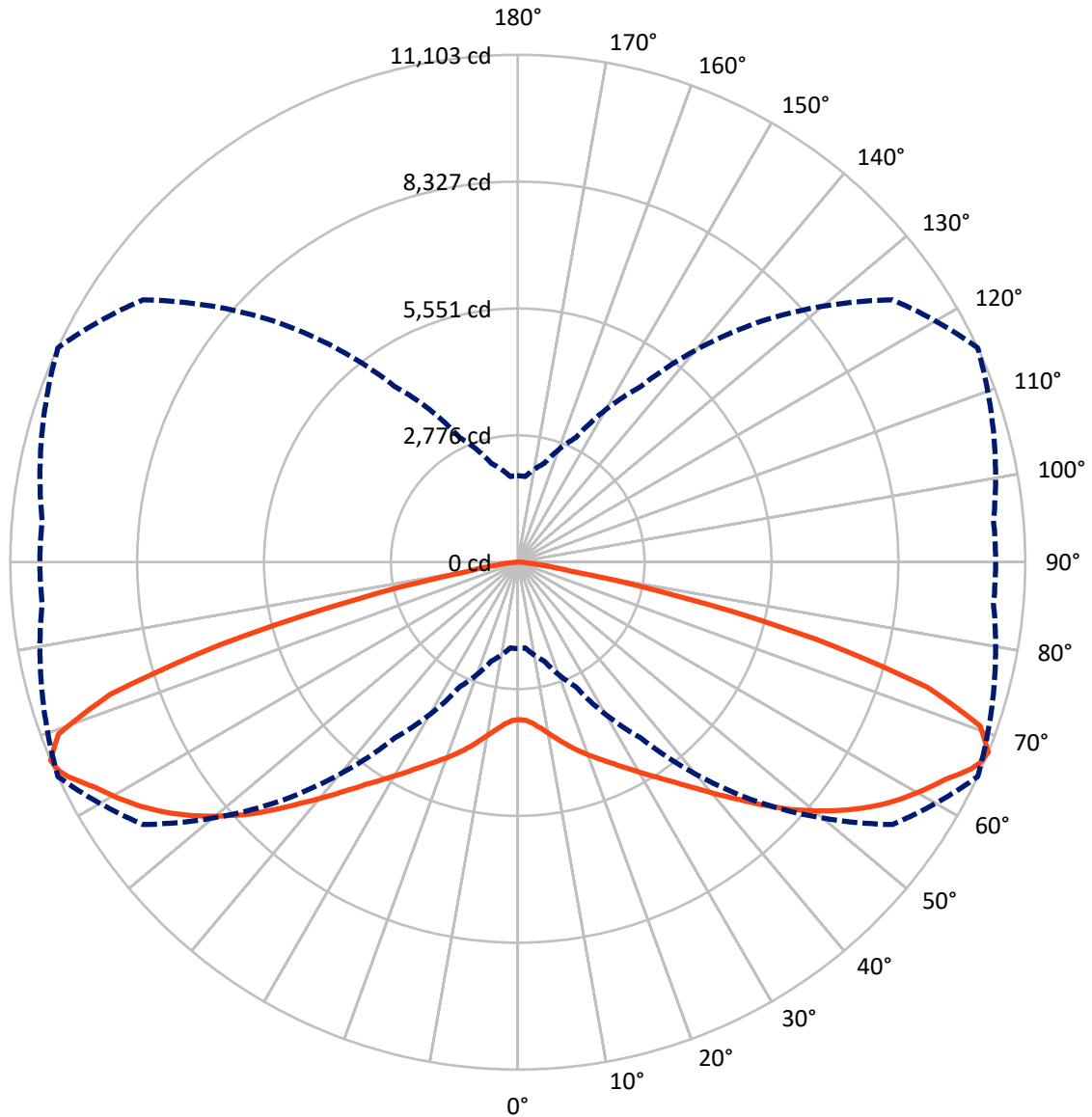
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16431.5  | 0.0    | 16431.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16431.5  | 0.0    | 16431.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32863.0  | 0.0    | 32863.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 339.5   | 1.0       |
| 10°-20°   | 1136.2  | 3.5       |
| 20°-30°   | 2222.5  | 6.8       |
| 30°-40°   | 3780.2  | 11.5      |
| 40°-50°   | 5983.0  | 18.2      |
| 50°-60°   | 7933.3  | 24.1      |
| 60°-70°   | 7483.6  | 22.8      |
| 70°-80°   | 3699.5  | 11.3      |
| 80°-90°   | 285.1   | 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°    | 32863.0 | 100.0     |
| 0°-180°   | 32863.0 | 100.0     |

**Coefficient of Utilization**



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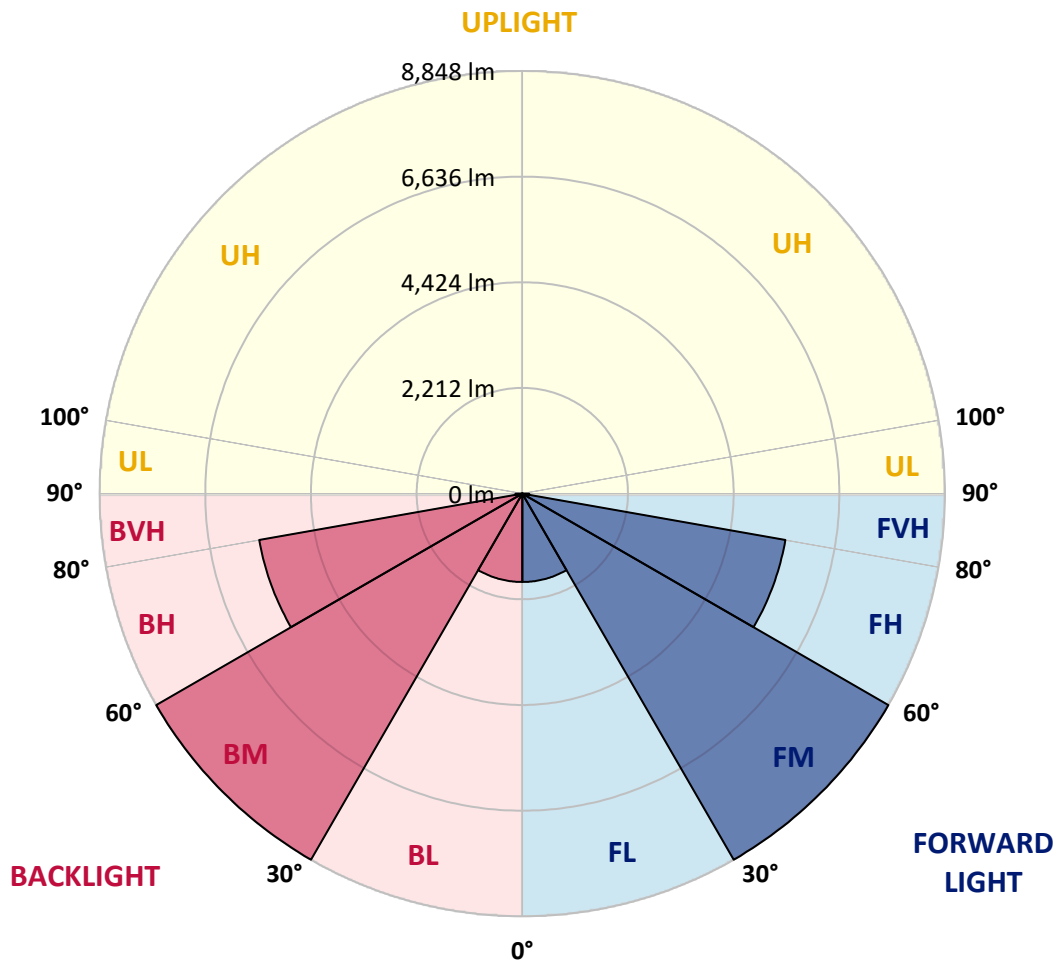
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1849.1 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 8848.3 | 26.9      |                         |      |         |
| FH   | (60°-80°)   | 5591.5 | 17.0      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 142.6  | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1849.1 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8848.3 | 26.9      | B5                      |      |         |
| BH   | (60°-80°)   | 5591.5 | 17.0      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 142.6  | 0.4       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3442.1 | 3442.1 | 3442.1 | 3442.1 | 3442.1 | 3442.1 | 3442.1  | 3442.1  | 3442.1  | 3442.1  | 3442.1  |
| 2.5°  | 3424.5 | 3428.0 | 3431.5 | 3436.8 | 3443.9 | 3454.4 | 3461.5  | 3466.8  | 3480.8  | 3482.6  | 3480.8  |
| 5°    | 3412.2 | 3415.7 | 3424.5 | 3440.3 | 3463.2 | 3494.9 | 3519.6  | 3549.5  | 3572.4  | 3588.2  | 3584.7  |
| 7.5°  | 3410.4 | 3417.5 | 3431.5 | 3465.0 | 3509.0 | 3563.6 | 3619.9  | 3671.0  | 3715.0  | 3750.2  | 3744.9  |
| 10°   | 3438.6 | 3447.4 | 3470.3 | 3519.6 | 3588.2 | 3667.5 | 3746.7  | 3822.4  | 3885.8  | 3931.6  | 3947.4  |
| 12.5° | 3486.1 | 3493.2 | 3535.4 | 3609.4 | 3708.0 | 3806.6 | 3896.4  | 3989.7  | 4077.7  | 4155.2  | 4155.2  |
| 15°   | 3568.9 | 3581.2 | 3634.0 | 3741.4 | 3862.9 | 3977.4 | 4068.9  | 4167.5  | 4262.6  | 4350.6  | 4377.0  |
| 17.5° | 3683.3 | 3700.9 | 3780.2 | 3917.5 | 4072.4 | 4178.1 | 4264.3  | 4345.3  | 4428.1  | 4512.6  | 4524.9  |
| 20°   | 3840.0 | 3857.6 | 3963.3 | 4128.8 | 4311.9 | 4438.6 | 4496.8  | 4516.1  | 4556.6  | 4637.6  | 4648.2  |
| 22.5° | 4053.1 | 4070.7 | 4188.6 | 4375.3 | 4579.5 | 4716.8 | 4741.5  | 4695.7  | 4685.1  | 4748.5  | 4755.6  |
| 25°   | 4294.3 | 4310.1 | 4445.7 | 4646.4 | 4857.7 | 5007.3 | 5000.3  | 4887.6  | 4824.2  | 4863.0  | 4873.5  |
| 27.5° | 4565.4 | 4588.3 | 4725.6 | 4933.4 | 5162.3 | 5294.3 | 5273.2  | 5109.5  | 4973.9  | 4966.8  | 4970.4  |
| 30°   | 4912.3 | 4936.9 | 5067.2 | 5266.2 | 5491.5 | 5613.0 | 5569.0  | 5348.9  | 5139.4  | 5069.0  | 5069.0  |
| 32.5° | 5278.5 | 5340.1 | 5472.2 | 5679.9 | 5856.0 | 5944.0 | 5877.1  | 5613.0  | 5334.8  | 5236.2  | 5230.9  |
| 35°   | 5755.6 | 5789.1 | 5919.4 | 6121.8 | 6253.9 | 6322.6 | 6194.0  | 5910.6  | 5590.1  | 5473.9  | 5458.1  |
| 37.5° | 6222.2 | 6250.4 | 6401.8 | 6595.5 | 6755.7 | 6752.2 | 6577.9  | 6264.5  | 5907.0  | 5776.8  | 5766.2  |
| 40°   | 6699.3 | 6729.3 | 6901.8 | 7079.7 | 7239.9 | 7225.8 | 7014.5  | 6664.1  | 6283.8  | 6137.7  | 6165.9  |
| 42.5° | 7113.1 | 7146.6 | 7342.0 | 7595.5 | 7739.9 | 7736.4 | 7491.6  | 7097.3  | 6701.1  | 6570.8  | 6595.5  |
| 45°   | 7489.9 | 7519.8 | 7746.9 | 8037.5 | 8248.7 | 8275.1 | 8007.5  | 7590.2  | 7183.5  | 7016.3  | 7023.3  |
| 47.5° | 7755.8 | 7812.1 | 8049.8 | 8382.5 | 8669.5 | 8762.9 | 8500.5  | 8092.0  | 7623.7  | 7449.4  | 7460.0  |
| 50°   | 7958.2 | 7993.4 | 8252.3 | 8630.8 | 8993.5 | 9187.2 | 8975.9  | 8556.9  | 8063.9  | 7879.0  | 7903.6  |
| 52.5° | 7982.9 | 8025.1 | 8306.8 | 8743.5 | 9208.3 | 9502.3 | 9398.5  | 9011.1  | 8512.8  | 8322.7  | 8375.5  |
| 55°   | 7782.2 | 7806.8 | 8143.1 | 8673.1 | 9292.8 | 9736.5 | 9762.9  | 9433.7  | 8940.7  | 8796.3  | 8831.5  |
| 57.5° | 7209.9 | 7273.3 | 7699.4 | 8343.8 | 9176.6 | 9861.5 | 10035.8 | 9817.5  | 9373.8  | 9231.2  | 9287.5  |
| 60°   | 6271.5 | 6334.9 | 6762.7 | 7579.7 | 8738.2 | 9803.4 | 10261.2 | 10157.3 | 9766.4  | 9652.0  | 9681.9  |
| 62.5° | 4914.0 | 4908.7 | 5438.7 | 6440.5 | 7866.7 | 9518.2 | 10428.4 | 10484.8 | 10153.8 | 10009.4 | 10055.2 |
| 65°   | 3185.1 | 3200.9 | 3713.3 | 4792.5 | 6551.5 | 8792.8 | 10465.4 | 10902.1 | 10534.1 | 10315.8 | 10349.2 |
| 66°   | 2561.8 | 2609.3 | 3044.2 | 4039.0 | 5880.6 | 8317.4 | 10354.5 | 11025.3 | 10650.3 | 10386.2 | 10402.0 |
| 67.5° | 1891.0 | 1882.2 | 2239.6 | 3007.2 | 4695.7 | 7414.2 | 10007.6 | 11102.8 | 10782.3 | 10449.6 | 10456.6 |
| 70°   | 1079.3 | 1077.5 | 1204.3 | 1651.5 | 2760.7 | 5220.4 | 8435.4  | 10731.3 | 11050.0 | 10678.5 | 10659.1 |
| 72.5° | 788.8  | 783.5  | 801.1  | 912.0  | 1346.9 | 2635.7 | 5819.0  | 9379.1  | 10912.6 | 10641.5 | 10586.9 |
| 75°   | 662.0  | 658.5  | 655.0  | 669.1  | 755.3  | 1193.7 | 3088.2  | 6746.9  | 9468.9  | 9988.3  | 9931.9  |
| 77.5° | 540.5  | 540.5  | 542.3  | 538.8  | 542.3  | 628.6  | 1280.0  | 3616.4  | 5766.2  | 6437.0  | 6593.7  |
| 80°   | 422.6  | 420.8  | 450.7  | 438.4  | 410.2  | 403.2  | 566.9   | 1163.8  | 1913.8  | 1903.3  | 1570.5  |
| 82.5° | 311.6  | 290.5  | 343.3  | 334.5  | 302.8  | 257.1  | 331.0   | 496.5   | 639.1   | 415.5   | 308.1   |
| 85°   | 197.2  | 195.4  | 243.0  | 221.8  | 184.9  | 121.5  | 158.5   | 213.0   | 264.1   | 160.2   | 130.3   |
| 87.5° | 35.2   | 33.5   | 77.5   | 56.3   | 56.3   | 35.2   | 44.0    | 58.1    | 86.3    | 59.9    | 44.0    |
| 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)