

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: P529894

Luminaire Tested: **GLAN-SA5A-750-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5A-750-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20067 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

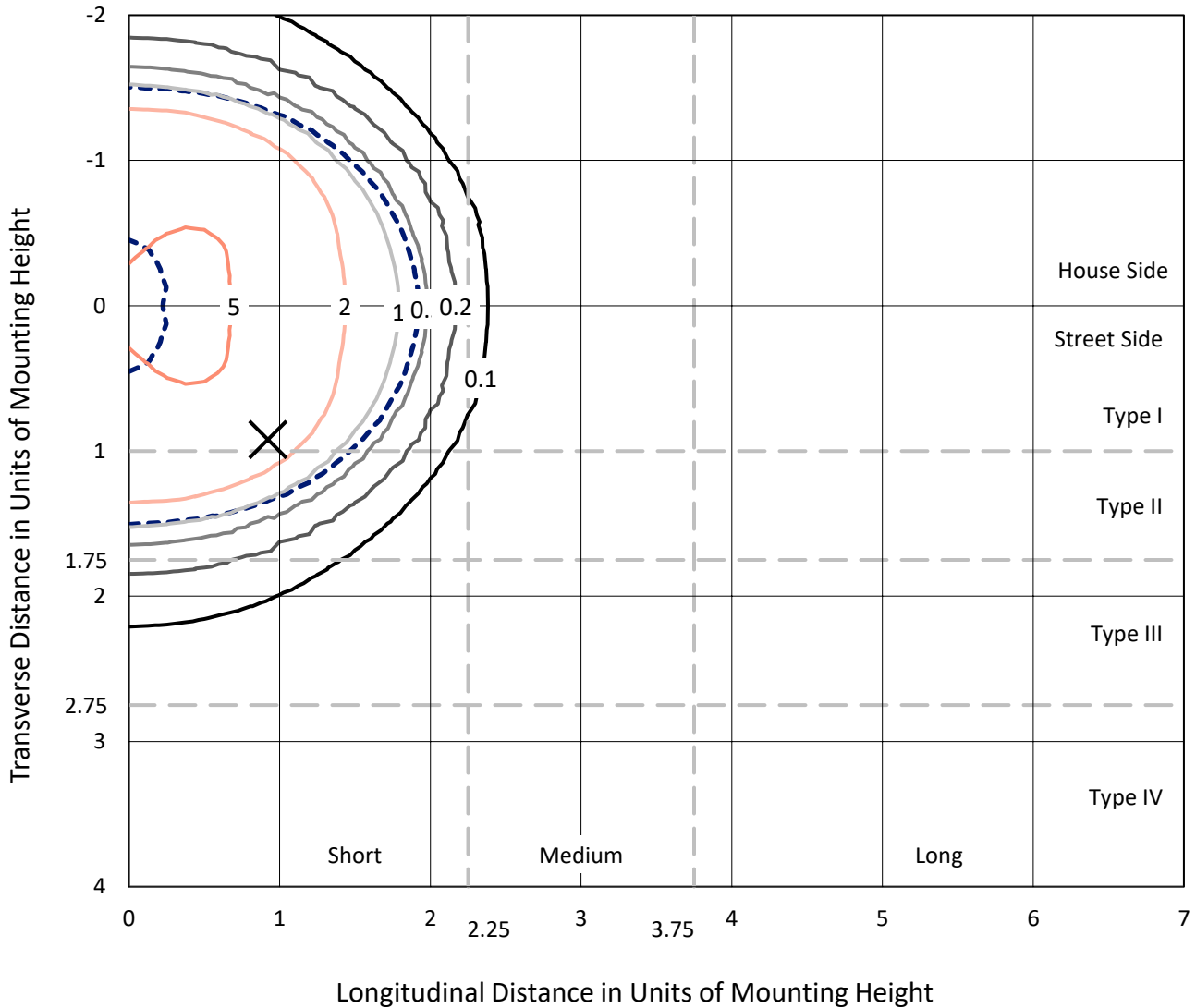
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

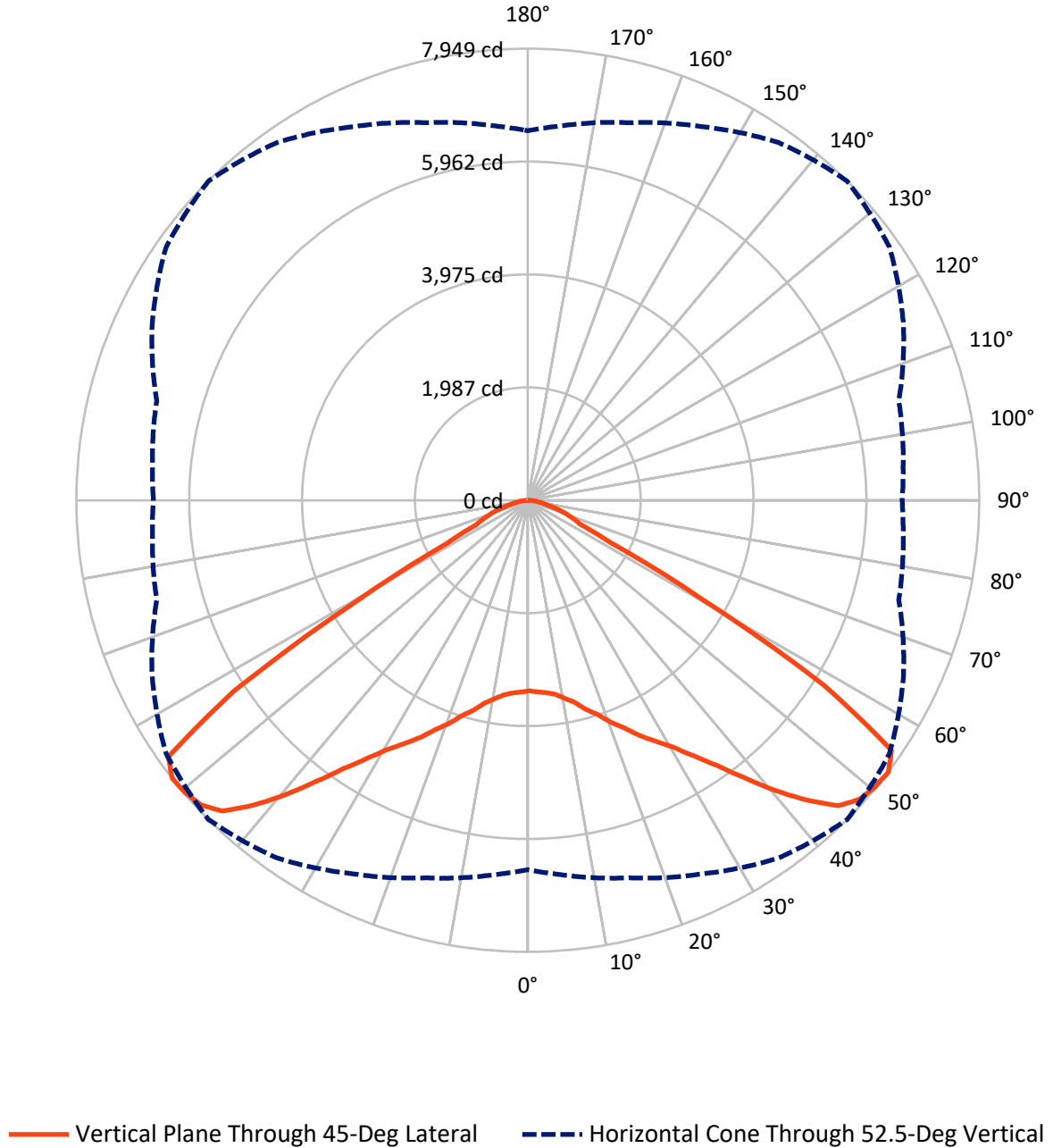
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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    | 10033.5  | 0.0    | 10033.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10033.5  | 0.0    | 10033.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 20067.0  | 0.0    | 20067.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 329.6   | 1.6       |
| 10°-20°   | 1082.9  | 5.4       |
| 20°-30°   | 2061.8  | 10.3      |
| 30°-40°   | 3540.2  | 17.6      |
| 40°-50°   | 5441.3  | 27.1      |
| 50°-60°   | 5525.6  | 27.5      |
| 60°-70°   | 1539.9  | 7.7       |
| 70°-80°   | 454.3   | 2.3       |
| 80°-90°   | 91.5    | 0.5       |
| 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°    | 20067.0 | 100.0     |
| 0°-180°   | 20067.0 | 100.0     |



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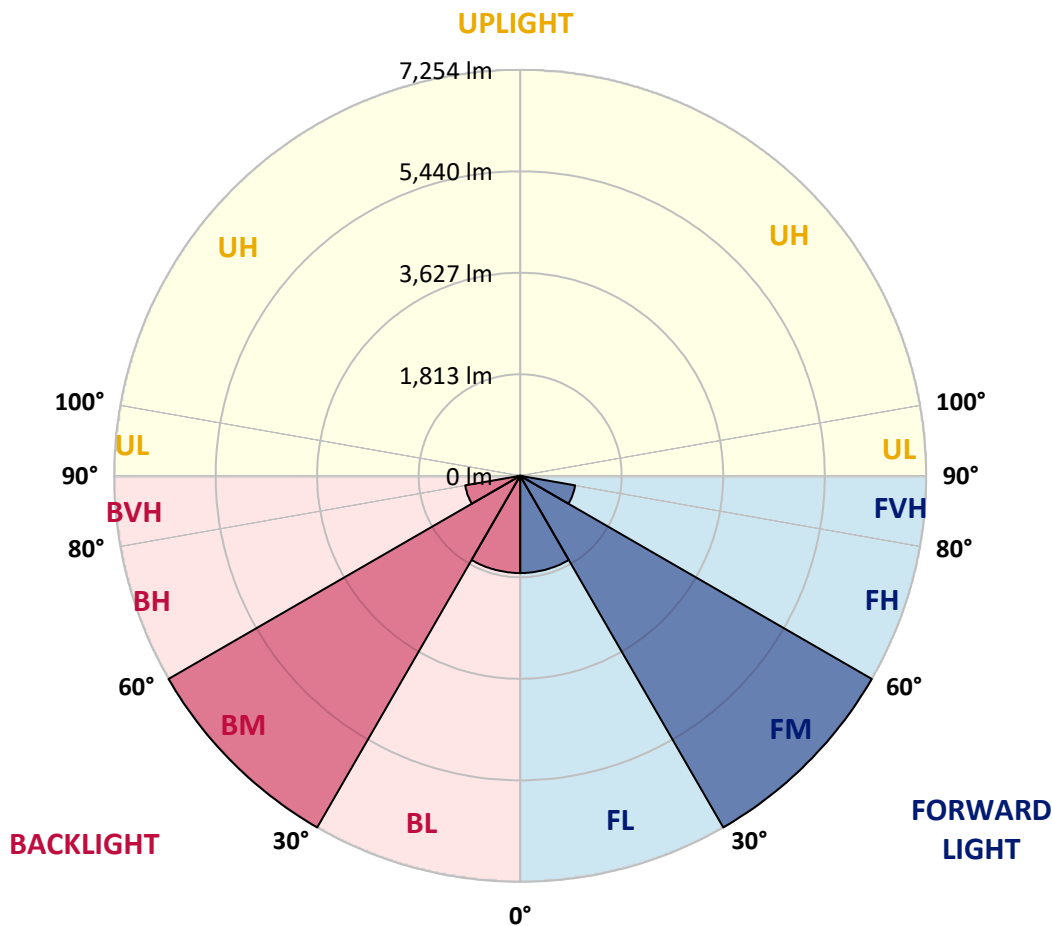
CATALOG NUMBER: GLAN-SA5A-750-U-RW-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1737.1 | 8.7       |                         |      |         |
| FM (30°-60°)   | 7253.5 | 36.1      |                         |      |         |
| FH (60°-80°)   | 997.1  | 5.0       |                         |      | G1/1800 |
| FVH (80°-90°)  | 45.7   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1737.1 | 8.7       | B3/2500                 |      |         |
| BM (30°-60°)   | 7253.5 | 36.1      | B4/8500                 |      |         |
| BH (60°-80°)   | 997.1  | 5.0       | B2/1000                 |      | G1/1800 |
| BVH (80°-90°)  | 45.7   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 | 3354.5 |
| 2.5°  | 3361.9 | 3327.1 | 3339.5 | 3347.0 | 3379.4 | 3376.9 | 3369.4 | 3379.4 | 3389.3 | 3391.8 | 3386.8 |
| 5°    | 3359.4 | 3334.5 | 3344.5 | 3352.0 | 3384.3 | 3401.8 | 3396.8 | 3439.1 | 3469.0 | 3461.5 | 3498.9 |
| 7.5°  | 3339.5 | 3354.5 | 3342.0 | 3379.4 | 3406.8 | 3449.1 | 3493.9 | 3533.8 | 3571.1 | 3613.5 | 3620.9 |
| 10°   | 3384.3 | 3384.3 | 3406.8 | 3436.6 | 3508.9 | 3541.2 | 3606.0 | 3663.3 | 3735.5 | 3785.3 | 3765.4 |
| 12.5° | 3431.7 | 3439.1 | 3439.1 | 3516.3 | 3576.1 | 3648.3 | 3708.1 | 3785.3 | 3887.4 | 3947.2 | 3977.0 |
| 15°   | 3479.0 | 3484.0 | 3508.9 | 3613.5 | 3703.1 | 3817.7 | 3872.5 | 3942.2 | 3999.5 | 4111.5 | 4114.0 |
| 17.5° | 3521.3 | 3548.7 | 3623.4 | 3740.5 | 3852.5 | 3962.1 | 4049.3 | 4121.5 | 4171.3 | 4216.1 | 4206.2 |
| 20°   | 3680.7 | 3700.6 | 3777.8 | 3894.9 | 4061.7 | 4168.8 | 4198.7 | 4211.1 | 4243.5 | 4333.2 | 4305.8 |
| 22.5° | 3835.1 | 3842.6 | 3914.8 | 4094.1 | 4211.1 | 4353.1 | 4385.5 | 4378.0 | 4390.4 | 4412.9 | 4452.7 |
| 25°   | 3994.5 | 4006.9 | 4106.5 | 4258.5 | 4422.8 | 4592.2 | 4619.5 | 4562.3 | 4544.8 | 4569.7 | 4572.2 |
| 27.5° | 4198.7 | 4201.2 | 4328.2 | 4460.2 | 4646.9 | 4806.3 | 4848.7 | 4803.8 | 4721.7 | 4741.6 | 4773.9 |
| 30°   | 4457.7 | 4440.2 | 4567.3 | 4756.5 | 4953.3 | 5042.9 | 5115.1 | 5092.7 | 5003.1 | 4985.6 | 4958.2 |
| 32.5° | 4756.5 | 4761.5 | 4876.1 | 5082.7 | 5212.2 | 5361.7 | 5438.9 | 5401.5 | 5344.2 | 5314.3 | 5331.8 |
| 35°   | 5177.4 | 5199.8 | 5277.0 | 5448.8 | 5658.0 | 5732.7 | 5854.7 | 5775.1 | 5625.6 | 5663.0 | 5695.4 |
| 37.5° | 5523.5 | 5588.3 | 5732.7 | 5936.9 | 6061.4 | 6198.4 | 6243.2 | 6136.2 | 6026.6 | 5981.8 | 6088.8 |
| 40°   | 6054.0 | 6034.0 | 6193.4 | 6397.6 | 6581.9 | 6718.9 | 6661.6 | 6554.5 | 6283.1 | 6285.6 | 6315.5 |
| 42.5° | 6509.7 | 6519.7 | 6641.7 | 6885.7 | 7137.3 | 7221.9 | 7040.1 | 6778.7 | 6477.3 | 6445.0 | 6509.7 |
| 45°   | 6893.2 | 6933.1 | 7002.8 | 7329.0 | 7575.6 | 7667.7 | 7331.5 | 7022.7 | 6619.3 | 6484.8 | 6591.9 |
| 47.5° | 7030.2 | 7094.9 | 7246.8 | 7545.7 | 7789.7 | 7864.4 | 7595.5 | 7152.2 | 6751.3 | 6532.1 | 6589.4 |
| 50°   | 7050.1 | 7027.7 | 7276.7 | 7550.7 | 7764.8 | 7926.7 | 7690.1 | 7246.8 | 6718.9 | 6604.3 | 6586.9 |
| 52.5° | 6504.7 | 6614.3 | 6880.8 | 7256.8 | 7690.1 | 7949.1 | 7774.8 | 7299.1 | 6763.7 | 6634.2 | 6591.9 |
| 55°   | 5264.5 | 5135.0 | 5620.7 | 6253.2 | 7050.1 | 7769.8 | 7744.9 | 7326.5 | 6791.1 | 6684.0 | 6626.7 |
| 57.5° | 2938.6 | 2975.9 | 3249.9 | 3937.2 | 4965.7 | 6161.1 | 6885.7 | 7037.6 | 6778.7 | 6716.4 | 6746.3 |
| 60°   | 1359.7 | 1372.2 | 1489.2 | 1810.5 | 2448.0 | 3493.9 | 4447.7 | 5416.4 | 5862.2 | 5951.9 | 5951.9 |
| 62.5° | 1013.6 | 1008.6 | 1038.5 | 1095.7 | 1230.2 | 1606.3 | 2144.2 | 2913.7 | 3526.3 | 3954.6 | 4066.7 |
| 65°   | 916.4  | 913.9  | 928.9  | 948.8  | 958.8  | 1011.1 | 1130.6 | 1367.2 | 1566.4 | 1681.0 | 1661.0 |
| 67.5° | 801.9  | 799.4  | 804.4  | 816.8  | 834.3  | 861.7  | 891.5  | 941.3  | 1011.1 | 1006.1 | 993.6  |
| 70°   | 647.5  | 647.5  | 655.0  | 664.9  | 684.8  | 717.2  | 752.1  | 786.9  | 846.7  | 859.2  | 856.7  |
| 72.5° | 478.1  | 470.7  | 485.6  | 505.5  | 525.5  | 565.3  | 602.7  | 635.0  | 677.4  | 689.8  | 684.8  |
| 75°   | 303.8  | 308.8  | 318.8  | 341.2  | 376.0  | 403.4  | 443.3  | 470.7  | 498.1  | 508.0  | 510.5  |
| 77.5° | 169.3  | 174.3  | 191.8  | 219.1  | 254.0  | 283.9  | 318.8  | 341.2  | 358.6  | 361.1  | 363.6  |
| 80°   | 102.1  | 104.6  | 122.0  | 146.9  | 176.8  | 209.2  | 236.6  | 259.0  | 273.9  | 266.5  | 264.0  |
| 82.5° | 62.3   | 64.7   | 79.7   | 102.1  | 127.0  | 151.9  | 181.8  | 201.7  | 216.7  | 206.7  | 196.7  |
| 85°   | 32.4   | 34.9   | 47.3   | 62.3   | 82.2   | 94.6   | 94.6   | 84.7   | 82.2   | 77.2   | 74.7   |
| 87.5° | 10.0   | 10.0   | 12.5   | 14.9   | 12.5   | 14.9   | 17.4   | 19.9   | 19.9   | 22.4   | 19.9   |
| 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)