

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: P529136

Luminaire Tested: **GLAN-SA4B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529136  
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-SA4B-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 800mA 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: 17789 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

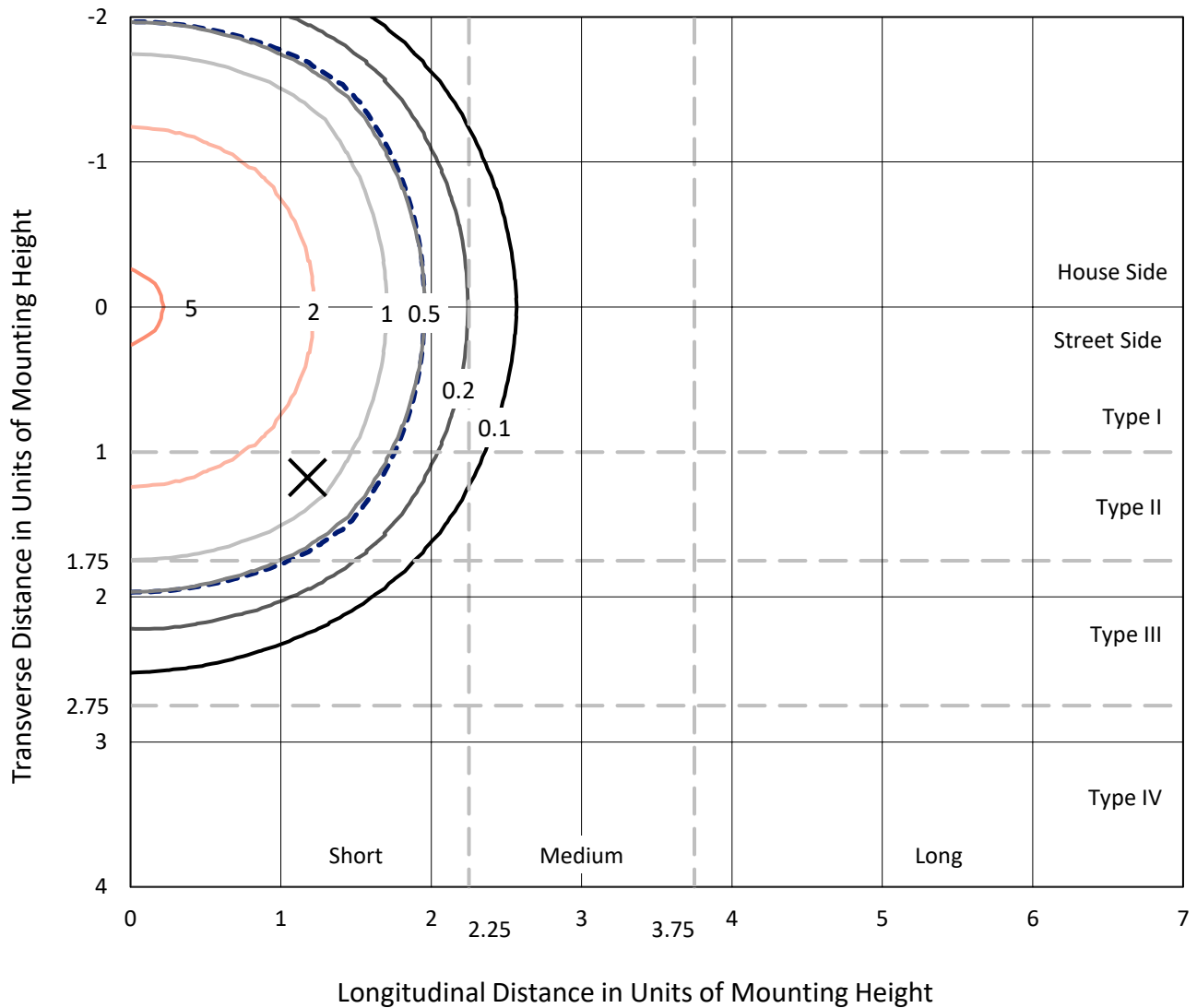
Input Watts (W): 164  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

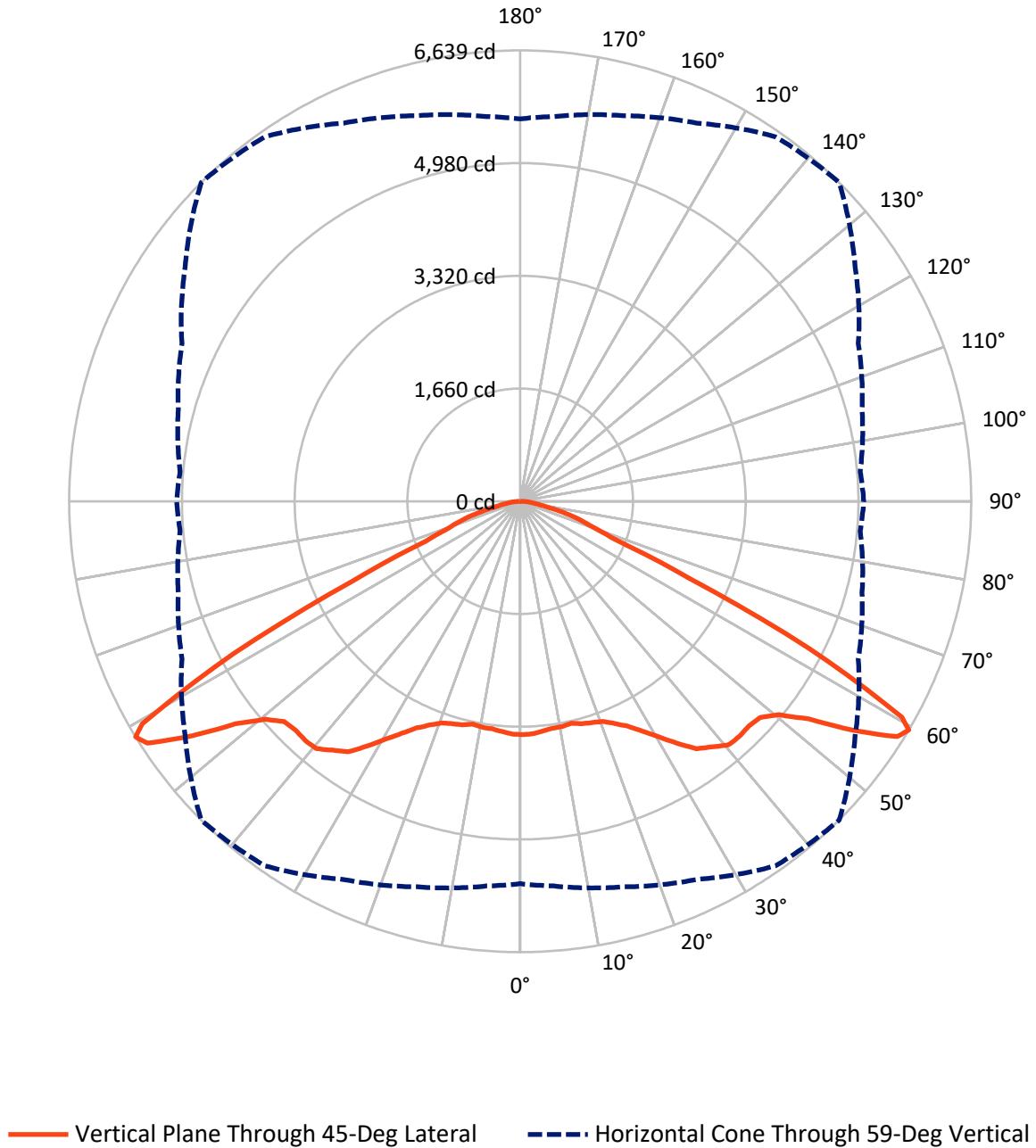
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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    | 8894.5   | 0.0    | 8894.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8894.5   | 0.0    | 8894.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 17789.0  | 0.0    | 17789.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 323.9   | 1.8       |
| 10°-20°   | 963.2   | 5.4       |
| 20°-30°   | 1681.9  | 9.5       |
| 30°-40°   | 2686.3  | 15.1      |
| 40°-50°   | 3659.2  | 20.6      |
| 50°-60°   | 4948.2  | 27.8      |
| 60°-70°   | 2713.6  | 15.3      |
| 70°-80°   | 694.2   | 3.9       |
| 80°-90°   | 118.4   | 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°    | 17789.0 | 100.0     |
| 0°-180°   | 17789.0 | 100.0     |

**Coefficient of Utilization**



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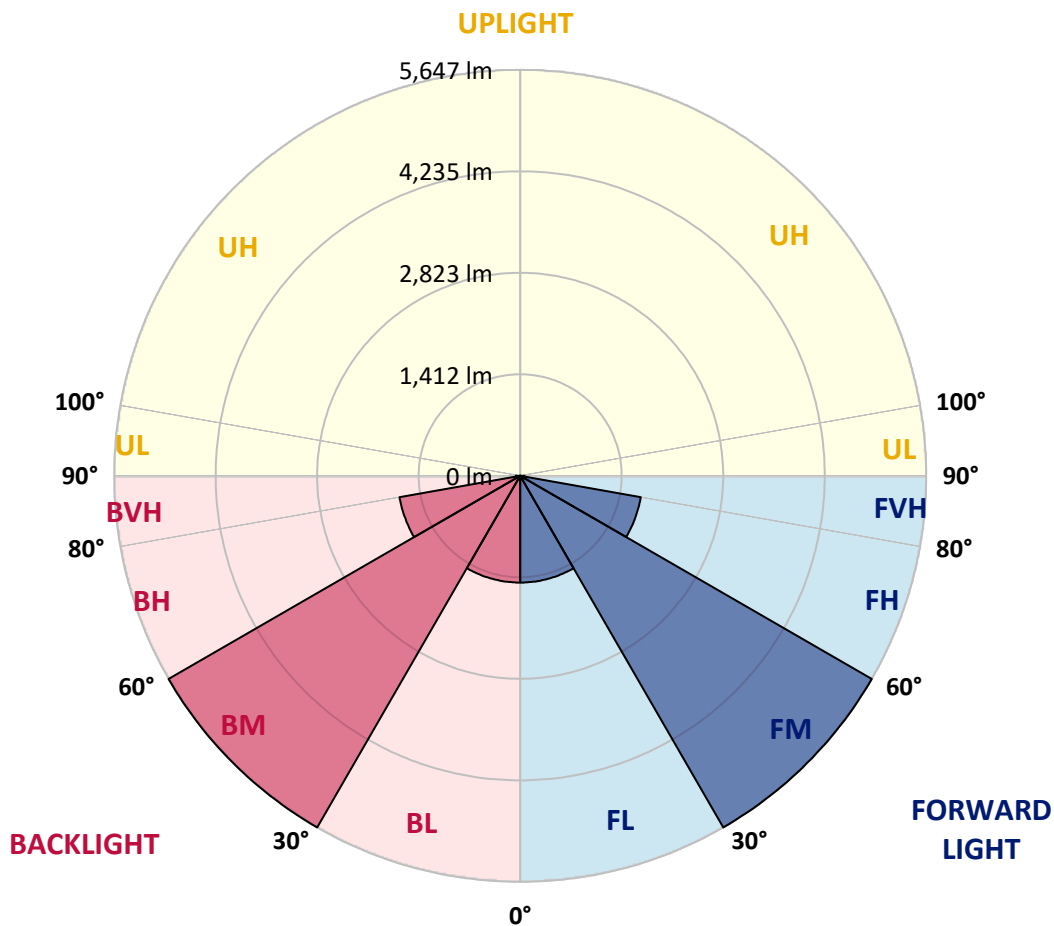
CATALOG NUMBER: GLAN-SA4B-735-U-5WQ-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1484.5 | 8.3       |                         |      |         |
| FM (30°-60°)   | 5646.9 | 31.7      |                         |      |         |
| FH (60°-80°)   | 1703.9 | 9.6       |                         |      | G1/1800 |
| FVH (80°-90°)  | 59.2   | 0.3       |                         |      | G1/100  |
| BL (0°-30°)    | 1484.5 | 8.3       | B3/2500                 |      |         |
| BM (30°-60°)   | 5646.9 | 31.7      | B4/8500                 |      |         |
| BH (60°-80°)   | 1703.9 | 9.6       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 59.2   | 0.3       |                         |      | 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°    | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 | 3436.0 |
| 2.5°  | 3415.5 | 3440.5 | 3422.3 | 3438.3 | 3436.0 | 3429.1 | 3417.7 | 3410.9 | 3401.8 | 3415.5 | 3392.7 |
| 5°    | 3401.8 | 3422.3 | 3442.8 | 3415.5 | 3415.5 | 3401.8 | 3394.9 | 3381.3 | 3381.3 | 3379.0 | 3376.7 |
| 7.5°  | 3424.6 | 3404.1 | 3394.9 | 3399.5 | 3404.1 | 3374.4 | 3394.9 | 3367.6 | 3344.8 | 3360.7 | 3379.0 |
| 10°   | 3404.1 | 3413.2 | 3379.0 | 3394.9 | 3369.9 | 3374.4 | 3360.7 | 3379.0 | 3353.9 | 3353.9 | 3353.9 |
| 12.5° | 3424.6 | 3399.5 | 3410.9 | 3399.5 | 3392.7 | 3353.9 | 3372.1 | 3351.6 | 3349.3 | 3372.1 | 3351.6 |
| 15°   | 3465.6 | 3424.6 | 3415.5 | 3392.7 | 3399.5 | 3399.5 | 3381.3 | 3383.5 | 3358.5 | 3372.1 | 3376.7 |
| 17.5° | 3451.9 | 3429.1 | 3422.3 | 3394.9 | 3417.7 | 3424.6 | 3390.4 | 3367.6 | 3383.5 | 3381.3 | 3379.0 |
| 20°   | 3463.3 | 3472.5 | 3465.6 | 3470.2 | 3479.3 | 3461.1 | 3429.1 | 3397.2 | 3376.7 | 3406.3 | 3404.1 |
| 22.5° | 3536.3 | 3527.2 | 3522.6 | 3518.1 | 3534.0 | 3552.3 | 3508.9 | 3458.8 | 3458.8 | 3479.3 | 3488.4 |
| 25°   | 3595.6 | 3593.3 | 3591.0 | 3611.5 | 3666.3 | 3666.3 | 3611.5 | 3547.7 | 3531.7 | 3545.4 | 3534.0 |
| 27.5° | 3682.2 | 3707.3 | 3698.2 | 3734.7 | 3814.5 | 3832.7 | 3759.7 | 3684.5 | 3641.2 | 3625.2 | 3645.7 |
| 30°   | 3880.6 | 3850.9 | 3857.8 | 3896.5 | 3967.2 | 4026.5 | 3914.8 | 3835.0 | 3775.7 | 3773.4 | 3782.5 |
| 32.5° | 4012.8 | 4035.6 | 4056.1 | 4092.6 | 4204.3 | 4249.9 | 4115.4 | 3985.5 | 3949.0 | 3928.5 | 3935.3 |
| 35°   | 4277.3 | 4256.8 | 4252.2 | 4288.7 | 4400.4 | 4475.7 | 4307.0 | 4192.9 | 4145.1 | 4190.7 | 4190.7 |
| 37.5° | 4528.1 | 4471.1 | 4427.8 | 4475.7 | 4578.3 | 4587.4 | 4443.8 | 4382.2 | 4357.1 | 4409.6 | 4407.3 |
| 40°   | 4646.7 | 4642.1 | 4541.8 | 4569.2 | 4706.0 | 4719.6 | 4585.1 | 4512.2 | 4507.6 | 4576.0 | 4644.4 |
| 42.5° | 4769.8 | 4726.5 | 4626.2 | 4644.4 | 4728.8 | 4733.3 | 4605.6 | 4585.1 | 4635.3 | 4701.4 | 4706.0 |
| 45°   | 4790.3 | 4753.8 | 4690.0 | 4644.4 | 4706.0 | 4719.6 | 4644.4 | 4658.1 | 4662.6 | 4742.4 | 4742.4 |
| 47.5° | 4831.4 | 4826.8 | 4790.3 | 4756.1 | 4767.5 | 4756.1 | 4708.2 | 4728.8 | 4797.2 | 4835.9 | 4817.7 |
| 50°   | 4945.4 | 4897.5 | 4934.0 | 4904.3 | 4906.6 | 4938.5 | 4895.2 | 4915.7 | 4902.0 | 4867.8 | 4845.0 |
| 52.5° | 5196.2 | 5173.4 | 5205.3 | 5225.8 | 5248.6 | 5321.6 | 5271.4 | 5162.0 | 5059.4 | 4968.2 | 4965.9 |
| 55°   | 5563.2 | 5579.2 | 5640.8 | 5745.6 | 5834.6 | 5950.8 | 5709.2 | 5447.0 | 5282.8 | 5139.2 | 5148.3 |
| 57.5° | 5909.8 | 5898.4 | 5982.8 | 6222.2 | 6482.1 | 6541.4 | 6067.1 | 5693.2 | 5426.4 | 5335.2 | 5296.5 |
| 59°   | 5631.6 | 5686.4 | 5877.9 | 6144.6 | 6552.8 | 6639.4 | 6019.2 | 5492.6 | 5209.8 | 5025.2 | 5057.1 |
| 60°   | 5193.9 | 5214.4 | 5385.4 | 5757.0 | 6308.8 | 6457.0 | 5697.8 | 5182.5 | 4806.3 | 4699.1 | 4747.0 |
| 62.5° | 3670.8 | 3654.9 | 3778.0 | 4081.2 | 4576.0 | 4776.6 | 4236.3 | 3873.7 | 3636.6 | 3518.1 | 3545.4 |
| 65°   | 1951.7 | 2024.7 | 2074.8 | 2264.1 | 2526.3 | 2738.3 | 2514.9 | 2357.5 | 2225.3 | 2127.3 | 2125.0 |
| 67.5° | 1317.8 | 1308.7 | 1320.1 | 1363.4 | 1452.4 | 1511.7 | 1507.1 | 1427.3 | 1415.9 | 1397.6 | 1418.2 |
| 70°   | 1110.4 | 1105.8 | 1085.3 | 1085.3 | 1103.5 | 1117.2 | 1133.2 | 1142.3 | 1160.5 | 1183.3 | 1181.0 |
| 72.5° | 900.6  | 889.2  | 875.5  | 868.7  | 891.5  | 898.3  | 918.8  | 928.0  | 943.9  | 941.6  | 962.2  |
| 75°   | 595.1  | 595.1  | 611.0  | 629.3  | 636.1  | 649.8  | 652.1  | 679.4  | 679.4  | 684.0  | 665.8  |
| 77.5° | 332.9  | 323.8  | 335.2  | 353.4  | 369.4  | 394.4  | 419.5  | 440.0  | 451.4  | 446.9  | 446.9  |
| 80°   | 193.8  | 193.8  | 205.2  | 225.7  | 246.2  | 269.0  | 287.3  | 303.2  | 314.6  | 310.1  | 301.0  |
| 82.5° | 120.8  | 120.8  | 132.2  | 152.8  | 168.7  | 182.4  | 207.5  | 228.0  | 241.7  | 237.1  | 225.7  |
| 85°   | 61.6   | 61.6   | 75.2   | 88.9   | 109.4  | 118.6  | 116.3  | 107.2  | 104.9  | 93.5   | 93.5   |
| 87.5° | 16.0   | 16.0   | 22.8   | 25.1   | 20.5   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   | 25.1   |
| 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)