

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: P531474

Luminaire Tested: **GLAN-SA6D-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38490 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

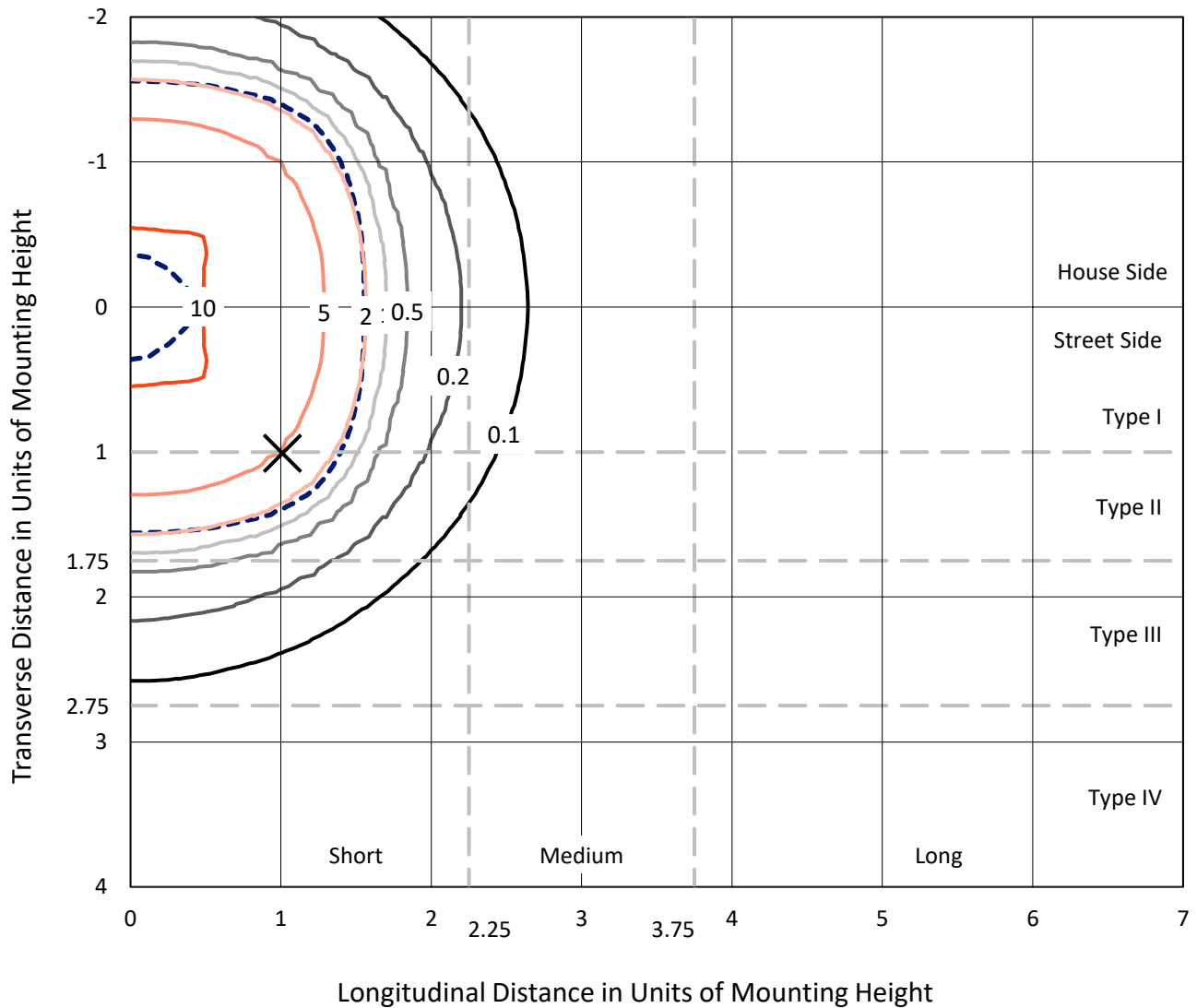
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

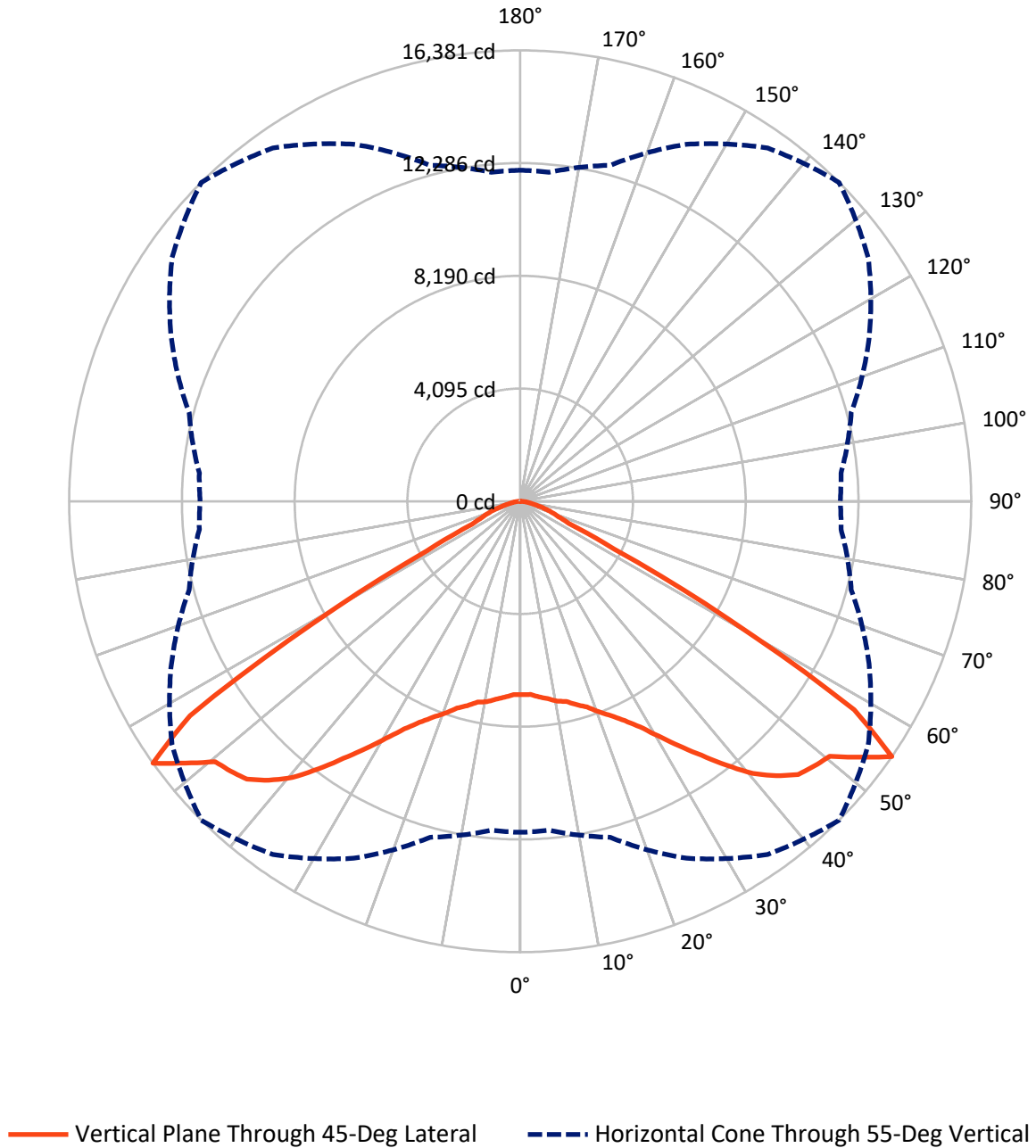
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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    | 19245.0  | 0.0    | 19245.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 19245.0  | 0.0    | 19245.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 38490.0  | 0.0    | 38490.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 686.5   | 1.8       |
| 10°-20°   | 2175.3  | 5.7       |
| 20°-30°   | 4056.3  | 10.5      |
| 30°-40°   | 6791.5  | 17.6      |
| 40°-50°   | 10568.1 | 27.5      |
| 50°-60°   | 10973.0 | 28.5      |
| 60°-70°   | 2327.0  | 6.0       |
| 70°-80°   | 766.4   | 2.0       |
| 80°-90°   | 146.0   | 0.4       |
| 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°    | 38490.0 | 100.0     |
| 0°-180°   | 38490.0 | 100.0     |

**Coefficient of Utilization**

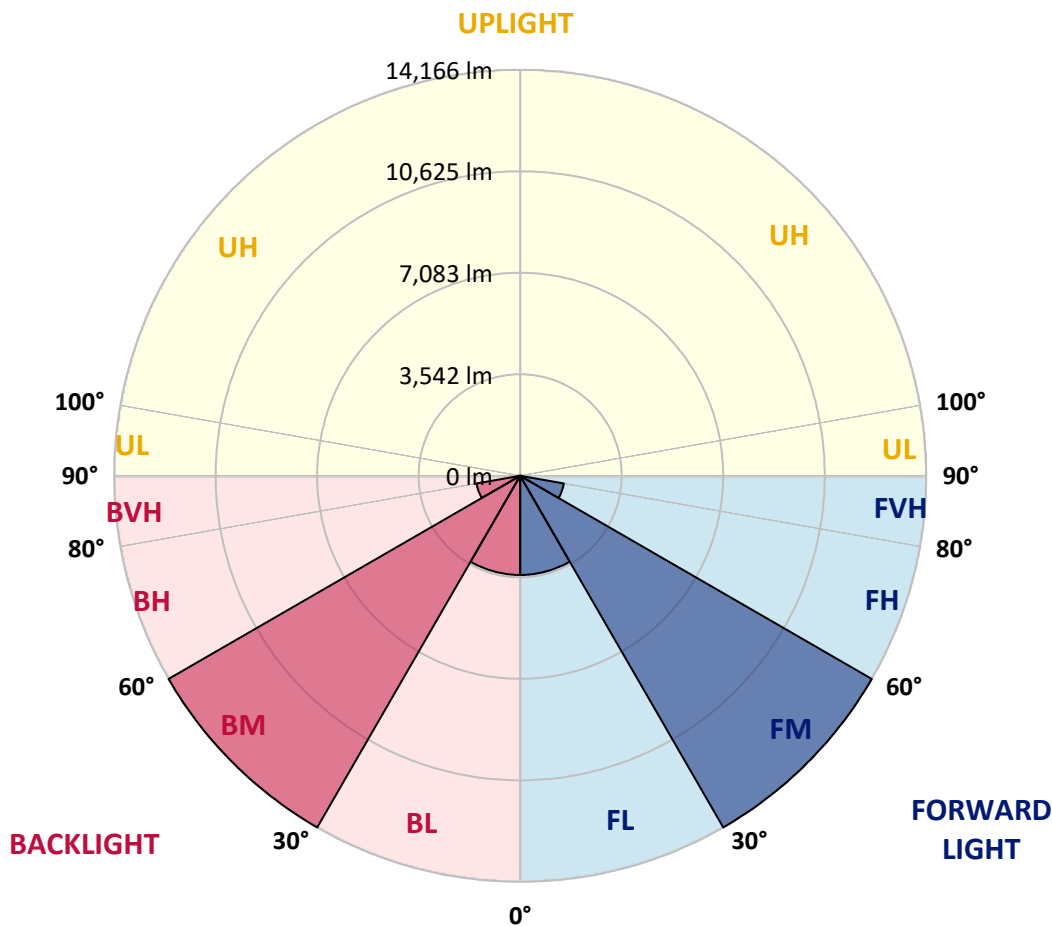


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3459.0  | 9.0       |                         |      |         |
| FM (30°-60°)   | 14166.3 | 36.8      |                         |      |         |
| FH (60°-80°)   | 1546.7  | 4.0       |                         |      | G1/1800 |
| FVH (80°-90°)  | 73.0    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 3459.0  | 9.0       | B4/5000                 |      |         |
| BM (30°-60°)   | 14166.3 | 36.8      | B5                      |      |         |
| BH (60°-80°)   | 1546.7  | 4.0       | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 73.0    | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  | 7027.7  |
| 2.5°  | 7111.4  | 7078.9  | 7023.0  | 7064.9  | 7097.5  | 7027.7  | 7055.6  | 7069.6  | 7060.3  | 7023.0  | 7037.0  |
| 5°    | 7213.7  | 7195.1  | 7148.6  | 7181.2  | 7139.3  | 7139.3  | 7111.4  | 7074.2  | 7130.0  | 7120.7  | 7144.0  |
| 7.5°  | 7213.7  | 7190.5  | 7283.5  | 7223.0  | 7241.6  | 7241.6  | 7195.1  | 7157.9  | 7185.8  | 7144.0  | 7120.7  |
| 10°   | 7357.9  | 7390.5  | 7348.6  | 7362.6  | 7353.3  | 7385.8  | 7316.1  | 7292.8  | 7269.6  | 7255.6  | 7227.7  |
| 12.5° | 7530.0  | 7506.8  | 7520.7  | 7511.4  | 7544.0  | 7460.2  | 7418.4  | 7367.2  | 7409.1  | 7348.6  | 7390.5  |
| 15°   | 7669.5  | 7655.6  | 7669.5  | 7706.7  | 7674.2  | 7669.5  | 7595.1  | 7544.0  | 7478.8  | 7492.8  | 7427.7  |
| 17.5° | 7860.2  | 7846.3  | 7850.9  | 7883.5  | 7878.8  | 7855.6  | 7799.8  | 7702.1  | 7678.8  | 7641.6  | 7599.8  |
| 20°   | 8143.9  | 8120.7  | 8111.4  | 8125.3  | 8148.6  | 8167.2  | 8055.6  | 8018.4  | 7939.3  | 7878.8  | 7809.1  |
| 22.5° | 8385.8  | 8376.5  | 8413.7  | 8353.2  | 8404.4  | 8460.2  | 8353.2  | 8334.6  | 8139.3  | 8106.7  | 8032.3  |
| 25°   | 8720.7  | 8706.7  | 8683.5  | 8771.8  | 8832.3  | 8827.6  | 8725.3  | 8623.0  | 8474.2  | 8437.0  | 8437.0  |
| 27.5° | 9074.2  | 8995.1  | 9116.0  | 9139.3  | 9246.2  | 9278.8  | 9190.4  | 9041.6  | 8902.1  | 8823.0  | 8841.6  |
| 30°   | 9516.0  | 9441.6  | 9469.5  | 9636.9  | 9776.5  | 9897.4  | 9674.1  | 9455.5  | 9260.2  | 9120.7  | 9097.4  |
| 32.5° | 9957.8  | 9883.4  | 9967.1  | 10129.9 | 10409.0 | 10590.4 | 10371.8 | 9990.4  | 9762.5  | 9557.9  | 9599.7  |
| 35°   | 10316.0 | 10371.8 | 10506.7 | 10753.2 | 11041.5 | 11334.5 | 10985.7 | 10692.7 | 10367.1 | 10139.2 | 10171.8 |
| 37.5° | 10892.7 | 11064.8 | 11171.8 | 11455.5 | 11864.8 | 12167.1 | 11804.3 | 11422.9 | 11074.1 | 10776.4 | 10674.1 |
| 40°   | 11646.2 | 11762.4 | 11883.4 | 12218.2 | 12702.0 | 13004.3 | 12660.1 | 12162.4 | 11818.3 | 11511.3 | 11497.3 |
| 42.5° | 12474.1 | 12585.7 | 12711.3 | 13120.5 | 13408.9 | 13636.8 | 13320.5 | 13055.4 | 12674.0 | 12432.2 | 12418.2 |
| 45°   | 13436.8 | 13357.7 | 13497.3 | 13767.0 | 14008.9 | 14157.7 | 13953.1 | 13822.8 | 13548.4 | 13325.2 | 13301.9 |
| 47.5° | 14078.7 | 14008.9 | 14260.0 | 14501.9 | 14539.1 | 14376.3 | 14418.2 | 14539.1 | 14250.7 | 13883.3 | 13999.6 |
| 50°   | 14450.7 | 14450.7 | 14618.2 | 14841.4 | 14771.7 | 14562.4 | 14892.6 | 14901.9 | 14613.5 | 14288.0 | 14288.0 |
| 52.5° | 13804.2 | 13948.4 | 14422.8 | 15153.0 | 15385.6 | 15446.1 | 15371.6 | 15055.4 | 14301.9 | 13636.8 | 13604.3 |
| 55°   | 12027.6 | 11995.0 | 12636.8 | 14311.2 | 15664.7 | 16380.9 | 15432.1 | 13976.3 | 12446.1 | 11697.3 | 11622.9 |
| 57.5° | 7823.0  | 7860.2  | 8818.3  | 10525.3 | 12967.1 | 14301.9 | 12702.0 | 10655.5 | 8818.3  | 7785.8  | 7883.5  |
| 60°   | 3520.8  | 3646.4  | 4227.8  | 5502.2  | 7599.8  | 8688.1  | 7618.4  | 5781.2  | 4437.1  | 3851.0  | 3902.2  |
| 62.5° | 2023.2  | 2046.5  | 2069.7  | 2455.7  | 3237.1  | 3827.8  | 3362.7  | 2595.3  | 2288.3  | 2186.0  | 2186.0  |
| 65°   | 1706.9  | 1693.0  | 1697.6  | 1730.2  | 1813.9  | 1934.8  | 1883.7  | 1813.9  | 1823.2  | 1813.9  | 1799.9  |
| 67.5° | 1451.1  | 1469.7  | 1455.8  | 1479.0  | 1483.7  | 1502.3  | 1534.8  | 1562.7  | 1567.4  | 1576.7  | 1567.4  |
| 70°   | 1190.7  | 1195.3  | 1204.6  | 1223.2  | 1227.9  | 1241.8  | 1288.3  | 1311.6  | 1325.5  | 1325.5  | 1344.1  |
| 72.5° | 911.6   | 907.0   | 916.3   | 934.9   | 958.1   | 962.8   | 1004.6  | 1037.2  | 1055.8  | 1032.5  | 1037.2  |
| 75°   | 600.0   | 604.6   | 618.6   | 632.5   | 665.1   | 697.7   | 711.6   | 744.2   | 748.8   | 758.1   | 734.9   |
| 77.5° | 358.1   | 367.4   | 381.4   | 409.3   | 437.2   | 465.1   | 497.7   | 520.9   | 530.2   | 520.9   | 493.0   |
| 80°   | 232.6   | 232.6   | 251.2   | 274.4   | 307.0   | 330.2   | 348.8   | 367.4   | 381.4   | 367.4   | 358.1   |
| 82.5° | 144.2   | 144.2   | 167.4   | 195.3   | 218.6   | 232.6   | 260.5   | 283.7   | 297.7   | 288.4   | 274.4   |
| 85°   | 74.4    | 79.1    | 97.7    | 120.9   | 139.5   | 148.8   | 144.2   | 130.2   | 116.3   | 111.6   | 102.3   |
| 87.5° | 23.3    | 23.3    | 27.9    | 27.9    | 23.3    | 23.3    | 27.9    | 23.3    | 27.9    | 27.9    | 27.9    |
| 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)