

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: P534586

Luminaire Tested: **GLAN-SA4A-AMB-U-5WQ**

Issue Date: 6/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534586  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/10/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4A-AMB-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

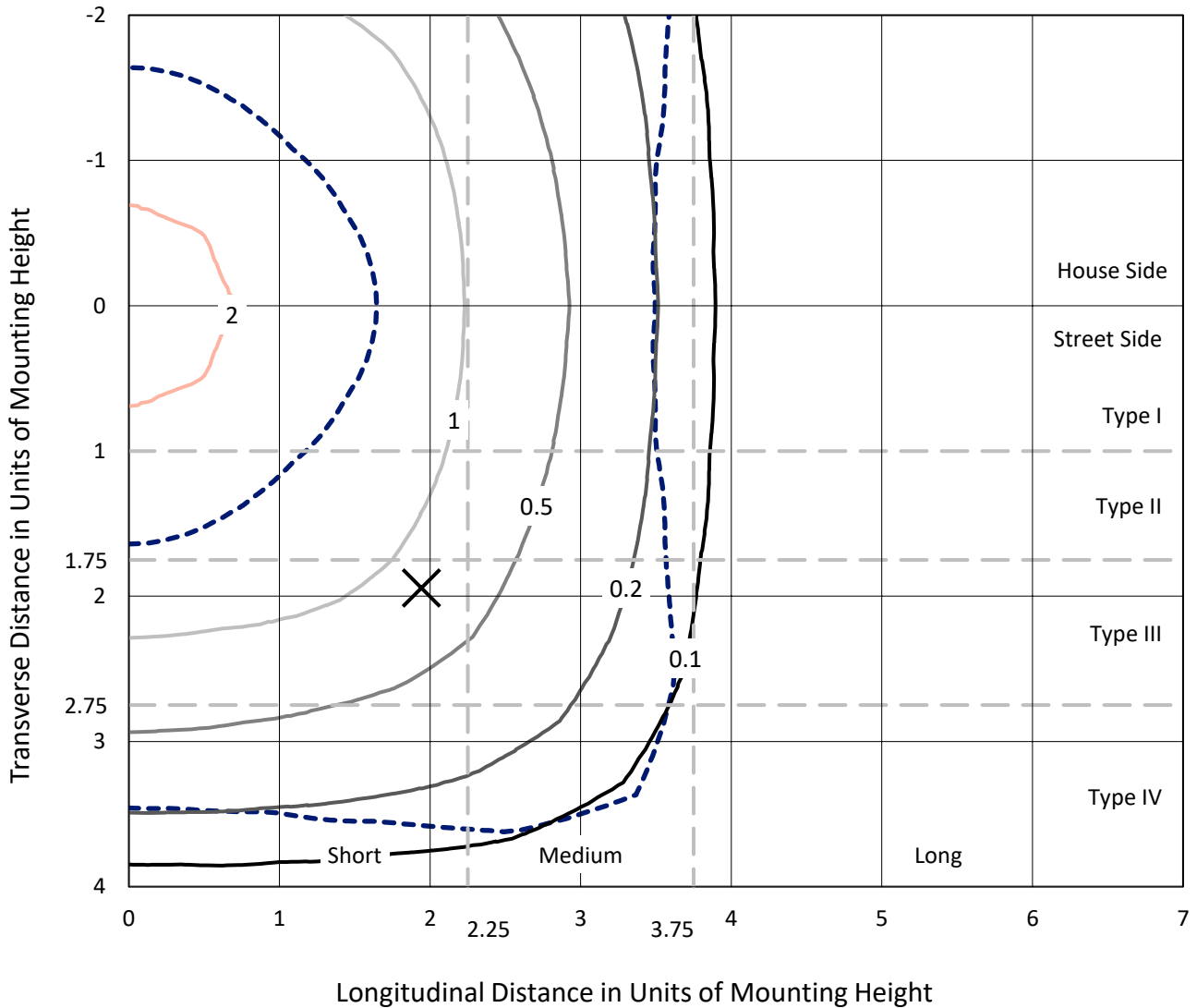
Lumens per Lamp: N/A  
Luminaire Lumens: 4317 lumens  
Efficiency: N/A  
Efficacy: 54.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 79.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

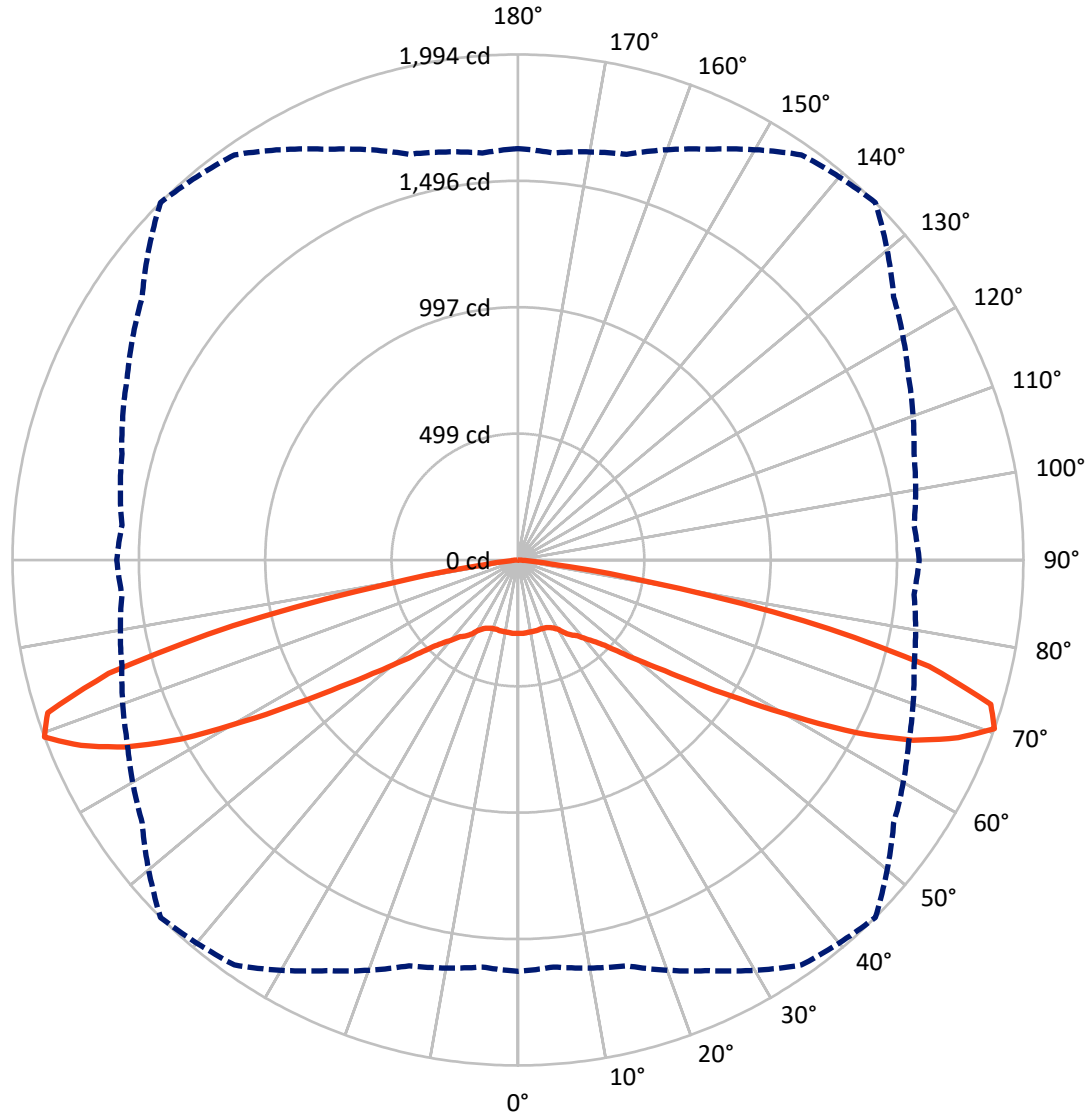
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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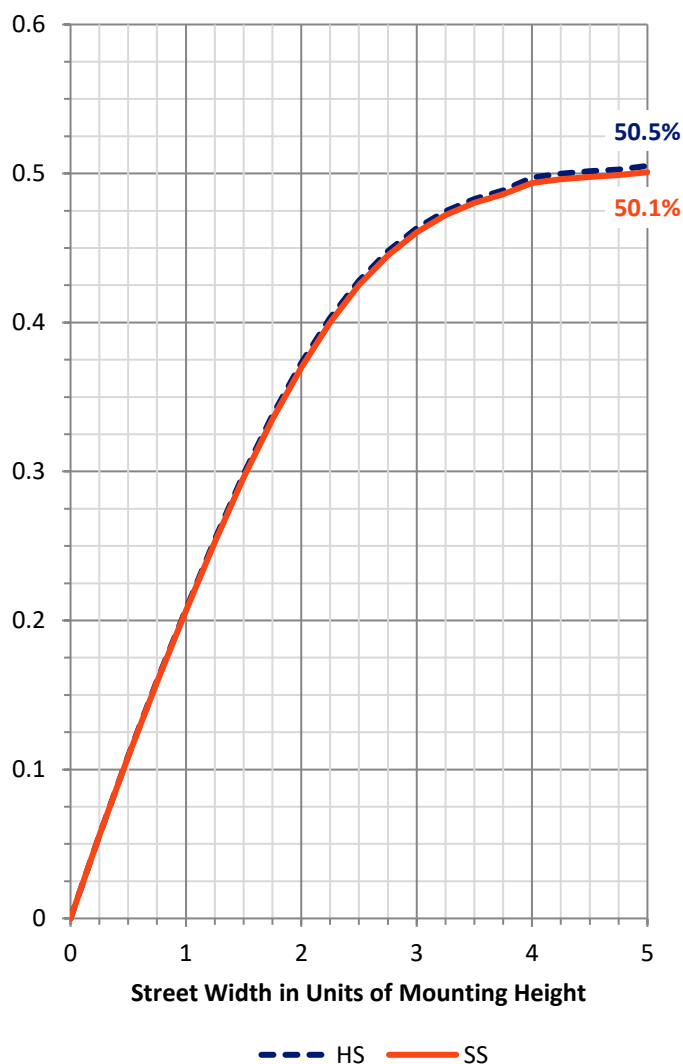
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2158.5   | 0.0    | 2158.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2158.5   | 0.0    | 2158.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4317.0   | 0.0    | 4317.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.7   | 0.6       |
| 10°-20°   | 82.3   | 1.9       |
| 20°-30°   | 140.7  | 3.3       |
| 30°-40°   | 227.1  | 5.3       |
| 40°-50°   | 391.0  | 9.1       |
| 50°-60°   | 772.8  | 17.9      |
| 60°-70°   | 1498.5 | 34.7      |
| 70°-80°   | 1124.5 | 26.0      |
| 80°-90°   | 52.3   | 1.2       |
| 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°    | 4317.0 | 100.0     |
| 0°-180°   | 4317.0 | 100.0     |

**Coefficient of Utilization**



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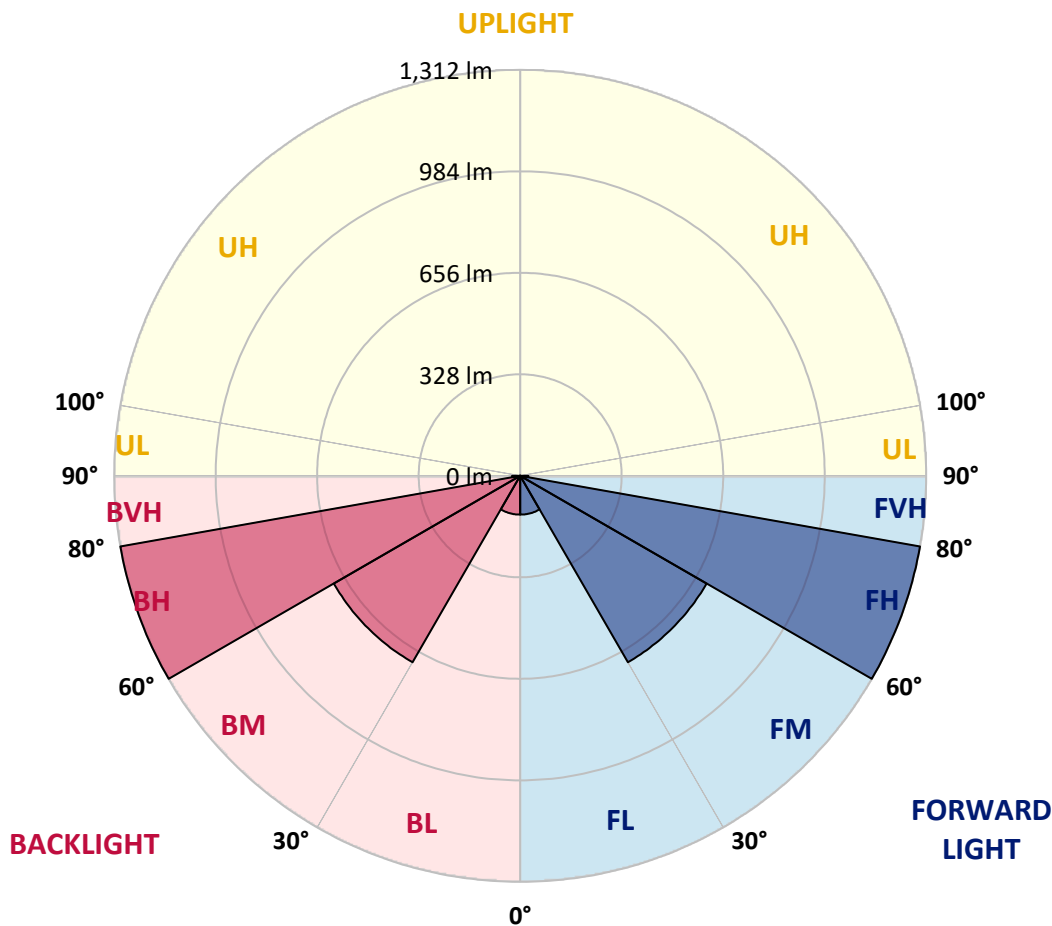
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 125.3  | 2.9       |                         |      |         |
| FM (30°-60°)   | 695.5  | 16.1      |                         |      |         |
| FH (60°-80°)   | 1311.5 | 30.4      |                         |      | G1/1800 |
| FVH (80°-90°)  | 26.2   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 125.3  | 2.9       | B1/500                  |      |         |
| BM (30°-60°)   | 695.5  | 16.1      | B1/1000                 |      |         |
| BH (60°-80°)   | 1311.5 | 30.4      | B3/2500                 |      | G1/1800 |
| BVH (80°-90°)  | 26.2   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  |
| 2.5°  | 291.6  | 291.6  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 291.6  | 289.8  |
| 5°    | 291.6  | 291.6  | 289.8  | 291.6  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 289.8  | 291.6  |
| 7.5°  | 293.5  | 291.6  | 289.8  | 289.8  | 289.8  | 288.0  | 288.0  | 289.8  | 288.0  | 289.8  | 289.8  |
| 10°   | 291.6  | 291.6  | 289.8  | 289.8  | 288.0  | 288.0  | 288.0  | 289.8  | 289.8  | 291.6  | 291.6  |
| 12.5° | 293.5  | 293.5  | 289.8  | 288.0  | 288.0  | 288.0  | 288.0  | 289.8  | 291.6  | 293.5  | 293.5  |
| 15°   | 295.3  | 293.5  | 291.6  | 288.0  | 286.2  | 288.0  | 286.2  | 289.8  | 291.6  | 295.3  | 295.3  |
| 17.5° | 297.1  | 295.3  | 291.6  | 288.0  | 286.2  | 286.2  | 288.0  | 288.0  | 291.6  | 297.1  | 297.1  |
| 20°   | 298.9  | 297.1  | 293.5  | 288.0  | 286.2  | 288.0  | 286.2  | 289.8  | 293.5  | 298.9  | 298.9  |
| 22.5° | 302.5  | 302.5  | 295.3  | 291.6  | 289.8  | 289.8  | 291.6  | 291.6  | 295.3  | 300.7  | 302.5  |
| 25°   | 308.0  | 308.0  | 300.7  | 298.9  | 297.1  | 295.3  | 295.3  | 297.1  | 298.9  | 306.1  | 306.1  |
| 27.5° | 320.6  | 320.6  | 313.4  | 308.0  | 306.1  | 304.3  | 304.3  | 306.1  | 309.8  | 317.0  | 318.8  |
| 30°   | 333.3  | 331.5  | 326.1  | 324.3  | 324.3  | 318.8  | 322.4  | 324.3  | 326.1  | 331.5  | 333.3  |
| 32.5° | 342.4  | 340.6  | 338.7  | 338.7  | 342.4  | 344.2  | 342.4  | 335.1  | 335.1  | 340.6  | 340.6  |
| 35°   | 358.7  | 356.9  | 353.2  | 349.6  | 355.0  | 364.1  | 353.2  | 349.6  | 353.2  | 355.0  | 356.9  |
| 37.5° | 384.0  | 385.8  | 380.4  | 376.8  | 375.0  | 378.6  | 371.4  | 371.4  | 380.4  | 389.5  | 389.5  |
| 40°   | 411.2  | 413.0  | 407.6  | 405.8  | 407.6  | 407.6  | 404.0  | 405.8  | 407.6  | 414.8  | 416.6  |
| 42.5° | 451.1  | 452.9  | 445.6  | 440.2  | 438.4  | 438.4  | 432.9  | 438.4  | 445.6  | 454.7  | 454.7  |
| 45°   | 505.4  | 505.4  | 496.3  | 489.1  | 480.0  | 480.0  | 478.2  | 489.1  | 496.3  | 509.0  | 509.0  |
| 47.5° | 565.2  | 561.6  | 557.9  | 548.9  | 543.4  | 545.3  | 543.4  | 548.9  | 559.7  | 574.2  | 572.4  |
| 50°   | 637.6  | 637.6  | 632.2  | 625.0  | 619.5  | 625.0  | 619.5  | 626.8  | 639.5  | 650.3  | 648.5  |
| 52.5° | 726.4  | 726.4  | 730.0  | 721.0  | 719.2  | 726.4  | 715.5  | 722.8  | 730.0  | 740.9  | 735.5  |
| 55°   | 818.8  | 824.2  | 824.2  | 840.5  | 838.7  | 862.3  | 838.7  | 844.1  | 844.1  | 829.7  | 829.7  |
| 57.5° | 934.7  | 936.5  | 954.6  | 978.2  | 1014.4 | 1034.4 | 1003.6 | 989.1  | 949.2  | 934.7  | 934.7  |
| 60°   | 1063.3 | 1061.5 | 1081.5 | 1148.5 | 1217.3 | 1251.7 | 1208.3 | 1146.7 | 1083.3 | 1056.1 | 1054.3 |
| 62.5° | 1239.1 | 1239.1 | 1255.4 | 1336.9 | 1434.7 | 1503.5 | 1414.8 | 1322.4 | 1257.2 | 1224.6 | 1224.6 |
| 65°   | 1463.7 | 1463.7 | 1470.9 | 1566.9 | 1673.8 | 1713.7 | 1614.0 | 1523.5 | 1454.6 | 1413.0 | 1414.8 |
| 67.5° | 1626.7 | 1623.1 | 1650.3 | 1749.9 | 1867.6 | 1873.1 | 1769.8 | 1670.2 | 1583.2 | 1543.4 | 1547.0 |
| 70°   | 1623.1 | 1612.2 | 1657.5 | 1787.9 | 1951.0 | 1994.4 | 1809.7 | 1701.0 | 1617.7 | 1568.7 | 1583.2 |
| 72.5° | 1333.2 | 1345.9 | 1438.3 | 1615.8 | 1867.6 | 1951.0 | 1740.8 | 1563.3 | 1402.1 | 1320.6 | 1335.1 |
| 75°   | 710.1  | 728.2  | 880.4  | 1166.6 | 1532.5 | 1675.6 | 1467.3 | 1161.2 | 900.3  | 775.3  | 777.1  |
| 77.5° | 217.4  | 217.4  | 275.3  | 519.9  | 936.5  | 1153.9 | 945.6  | 568.8  | 342.4  | 248.2  | 244.5  |
| 80°   | 65.2   | 67.0   | 83.3   | 123.2  | 295.3  | 523.5  | 378.6  | 164.8  | 94.2   | 76.1   | 77.9   |
| 82.5° | 27.2   | 30.8   | 38.0   | 39.9   | 79.7   | 128.6  | 92.4   | 58.0   | 47.1   | 38.0   | 34.4   |
| 85°   | 12.7   | 12.7   | 19.9   | 21.7   | 27.2   | 27.2   | 29.0   | 30.8   | 29.0   | 19.9   | 18.1   |
| 87.5° | 3.6    | 3.6    | 5.4    | 5.4    | 7.2    | 5.4    | 9.1    | 10.9   | 10.9   | 5.4    | 5.4    |
| 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)