

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: P534617

Luminaire Tested: **GLAN-SA8A-AMB-U-5MQ**

Issue Date: 6/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534617  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/10/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-AMB-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8124 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

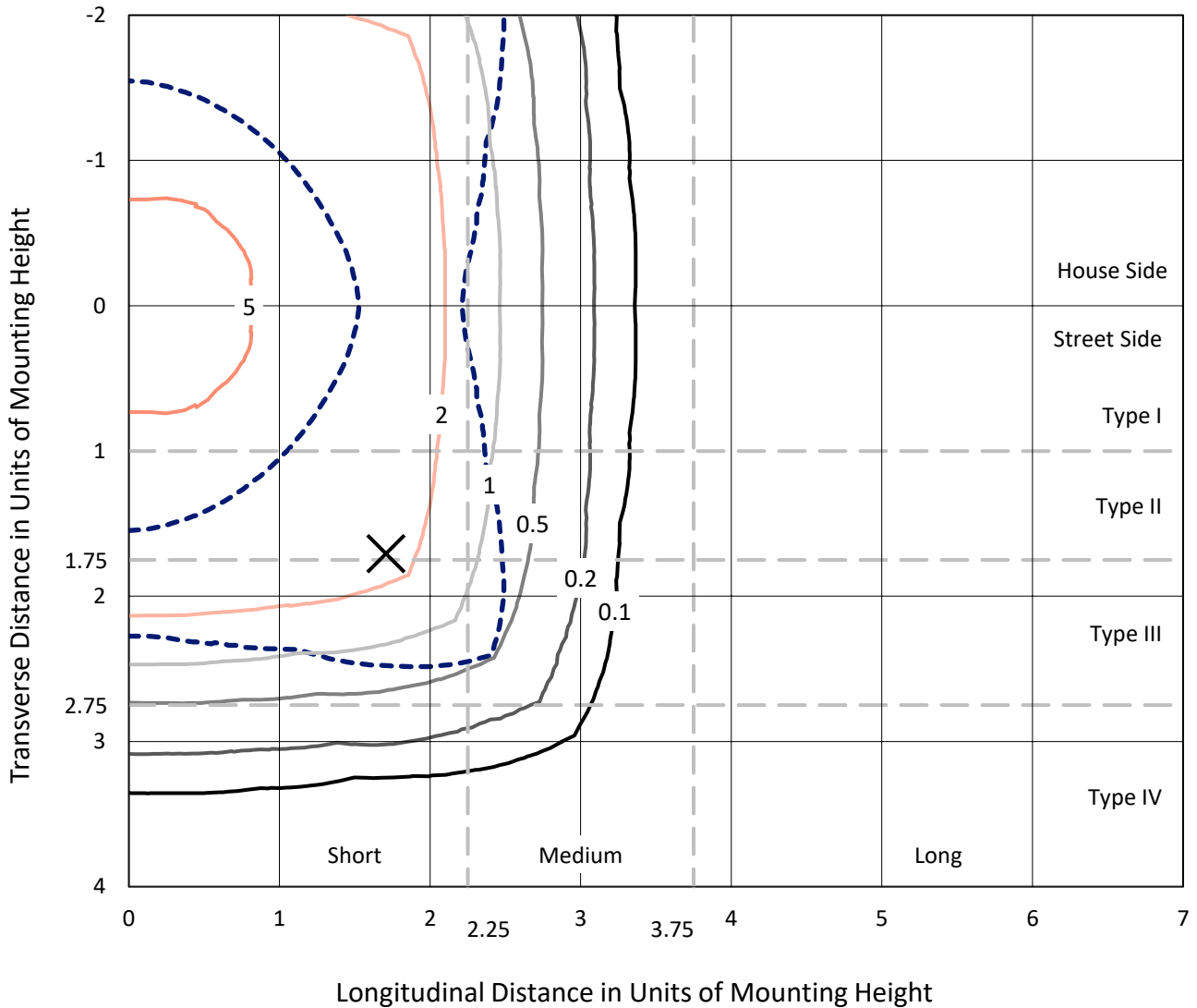
Input Watts (W): 158.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

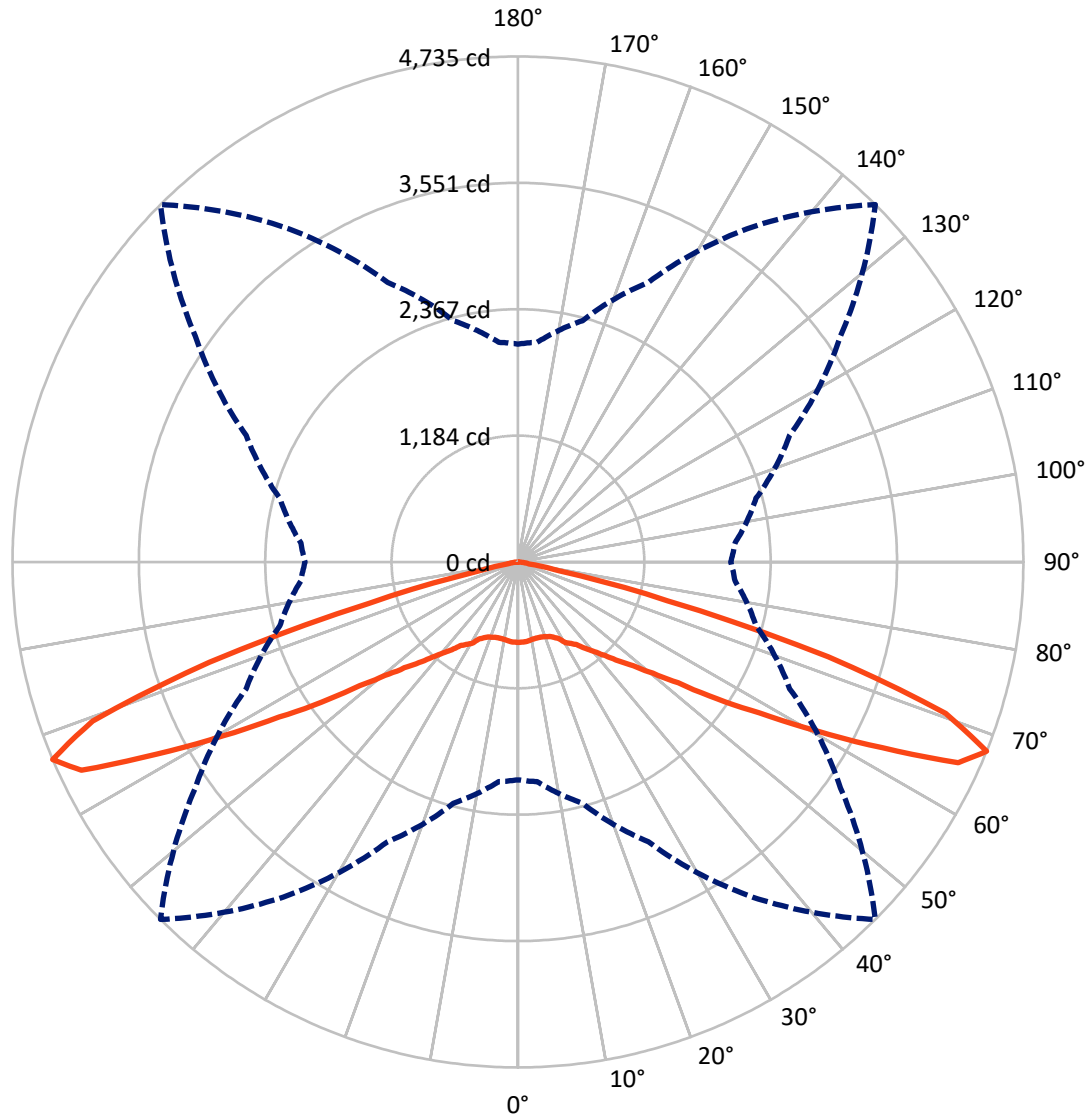
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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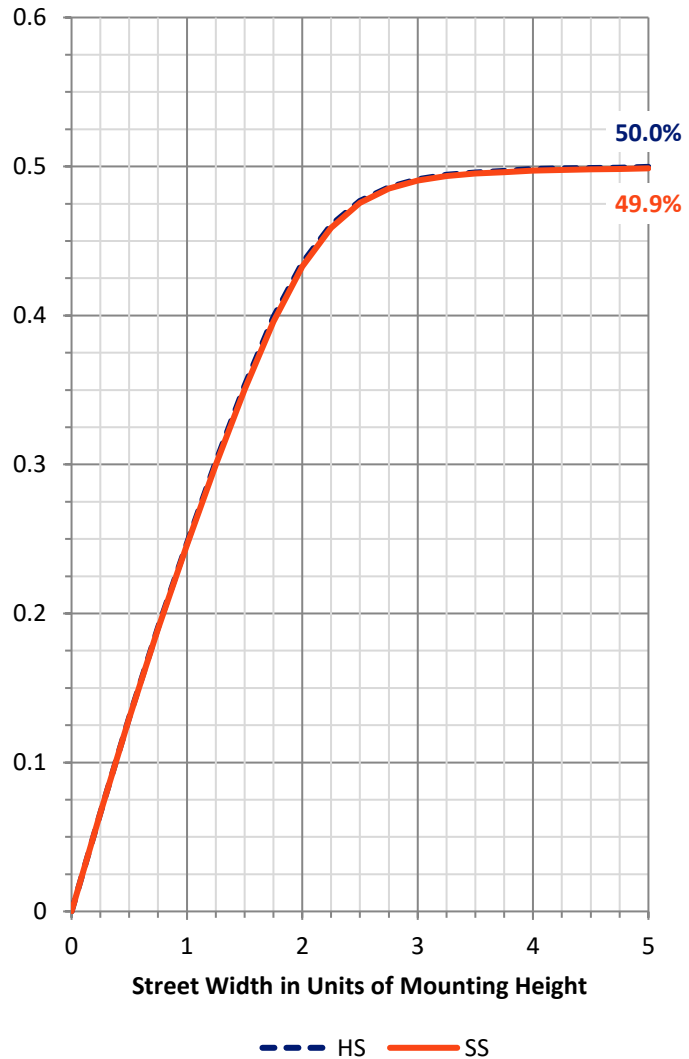
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4062.0   | 0.0    | 4062.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4062.0   | 0.0    | 4062.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 8124.0   | 0.0    | 8124.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 71.2   | 0.9       |
| 10°-20°   | 207.1  | 2.5       |
| 20°-30°   | 361.2  | 4.4       |
| 30°-40°   | 604.5  | 7.4       |
| 40°-50°   | 1047.8 | 12.9      |
| 50°-60°   | 2006.3 | 24.7      |
| 60°-70°   | 2970.6 | 36.6      |
| 70°-80°   | 816.6  | 10.1      |
| 80°-90°   | 38.6   | 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°    | 8124.0 | 100.0     |
| 0°-180°   | 8124.0 | 100.0     |

**Coefficient of Utilization**



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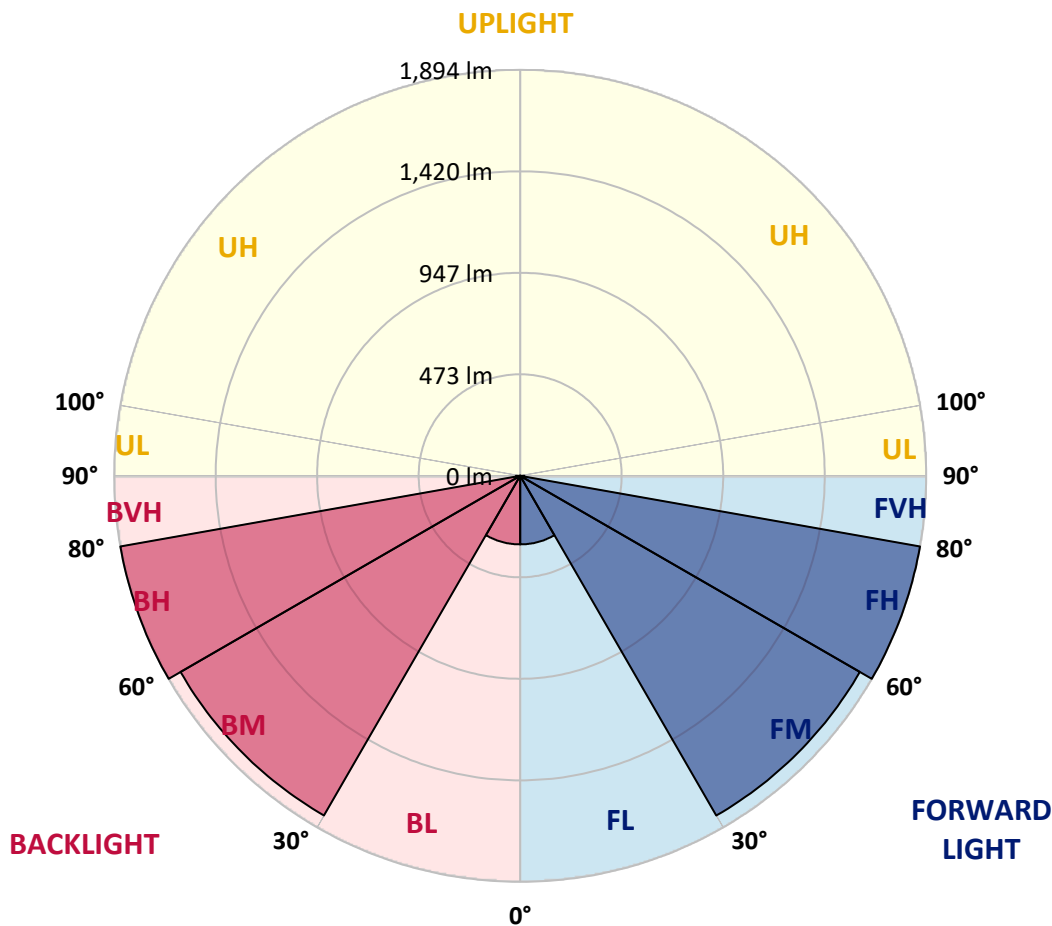
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 319.8  | 3.9       |                         |      |         |
| FM (30°-60°)   | 1829.3 | 22.5      |                         |      |         |
| FH (60°-80°)   | 1893.6 | 23.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 19.3   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 319.8  | 3.9       | B1/500                  |      |         |
| BM (30°-60°)   | 1829.3 | 22.5      | B2/2500                 |      |         |
| BH (60°-80°)   | 1893.6 | 23.3      | B3/2500                 |      | G2/5000 |
| BVH (80°-90°)  | 19.3   | 0.2       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  |
| 2.5°  | 757.4  | 757.4  | 750.6  | 754.0  | 754.0  | 750.6  | 754.0  | 754.0  | 754.0  | 754.0  | 754.0  |
| 5°    | 757.4  | 757.4  | 754.0  | 754.0  | 750.6  | 750.6  | 747.2  | 750.6  | 747.2  | 750.6  | 750.6  |
| 7.5°  | 757.4  | 747.2  | 750.6  | 747.2  | 743.8  | 743.8  | 743.8  | 740.4  | 743.8  | 740.4  | 740.4  |
| 10°   | 740.4  | 743.8  | 740.4  | 740.4  | 740.4  | 737.0  | 737.0  | 737.0  | 733.6  | 733.6  | 733.6  |
| 12.5° | 733.6  | 733.6  | 730.2  | 733.6  | 737.0  | 733.6  | 730.2  | 726.8  | 726.8  | 730.2  | 726.8  |
| 15°   | 723.4  | 726.8  | 726.8  | 726.8  | 737.0  | 733.6  | 730.2  | 726.8  | 726.8  | 723.4  | 723.4  |
| 17.5° | 723.4  | 720.0  | 723.4  | 726.8  | 737.0  | 737.0  | 733.6  | 726.8  | 723.4  | 723.4  | 720.0  |
| 20°   | 716.6  | 720.0  | 726.8  | 737.0  | 740.4  | 747.2  | 743.8  | 737.0  | 730.2  | 730.2  | 723.4  |
| 22.5° | 726.8  | 726.8  | 737.0  | 740.4  | 754.0  | 757.4  | 754.0  | 754.0  | 743.8  | 740.4  | 737.0  |
| 25°   | 750.6  | 750.6  | 757.4  | 771.0  | 777.8  | 781.2  | 774.4  | 777.8  | 764.2  | 767.6  | 764.2  |
| 27.5° | 777.8  | 781.2  | 791.4  | 805.0  | 815.1  | 811.7  | 818.5  | 808.4  | 798.2  | 791.4  | 791.4  |
| 30°   | 821.9  | 825.3  | 835.5  | 849.1  | 866.1  | 876.3  | 869.5  | 845.7  | 838.9  | 832.1  | 828.7  |
| 32.5° | 872.9  | 869.5  | 879.7  | 900.1  | 917.0  | 910.2  | 906.8  | 900.1  | 889.9  | 886.5  | 883.1  |
| 35°   | 927.2  | 917.0  | 934.0  | 954.4  | 961.2  | 951.0  | 954.4  | 961.2  | 944.2  | 940.8  | 934.0  |
| 37.5° | 981.6  | 981.6  | 998.6  | 1015.5 | 1025.7 | 1029.1 | 1025.7 | 1029.1 | 1018.9 | 1008.7 | 1008.7 |
| 40°   | 1063.1 | 1059.7 | 1080.1 | 1093.7 | 1107.2 | 1103.8 | 1107.2 | 1117.4 | 1110.6 | 1103.8 | 1097.1 |
| 42.5° | 1165.0 | 1154.8 | 1182.0 | 1195.5 | 1205.7 | 1198.9 | 1212.5 | 1226.1 | 1222.7 | 1212.5 | 1205.7 |
| 45°   | 1270.3 | 1277.1 | 1300.8 | 1321.2 | 1321.2 | 1321.2 | 1341.6 | 1355.2 | 1348.4 | 1348.4 | 1334.8 |
| 47.5° | 1409.5 | 1423.1 | 1450.3 | 1470.7 | 1477.5 | 1453.7 | 1484.2 | 1521.6 | 1511.4 | 1491.0 | 1477.5 |
| 50°   | 1586.1 | 1575.9 | 1623.5 | 1660.9 | 1654.1 | 1637.1 | 1691.4 | 1722.0 | 1708.4 | 1677.8 | 1671.0 |
| 52.5° | 1789.9 | 1789.9 | 1830.7 | 1888.4 | 1902.0 | 1881.6 | 1946.2 | 1986.9 | 1946.2 | 1922.4 | 1912.2 |
| 55°   | 2061.6 | 2065.0 | 2099.0 | 2170.3 | 2224.7 | 2262.0 | 2282.4 | 2265.4 | 2217.9 | 2183.9 | 2156.7 |
| 57.5° | 2363.9 | 2377.5 | 2459.0 | 2527.0 | 2605.1 | 2666.2 | 2649.2 | 2574.5 | 2472.6 | 2401.3 | 2401.3 |
| 60°   | 2730.7 | 2737.5 | 2812.3 | 2954.9 | 3114.5 | 3209.6 | 3043.2 | 2849.6 | 2707.0 | 2618.7 | 2598.3 |
| 62.5° | 2812.3 | 2832.6 | 3009.2 | 3311.5 | 3658.0 | 3831.2 | 3471.2 | 3121.3 | 2870.0 | 2717.2 | 2707.0 |
| 65°   | 2615.3 | 2622.1 | 2870.0 | 3314.9 | 3980.6 | 4530.9 | 3780.2 | 3162.1 | 2717.2 | 2482.8 | 2455.6 |
| 67.5° | 2041.3 | 2065.0 | 2340.1 | 2890.4 | 3831.2 | 4734.6 | 3688.5 | 2808.9 | 2309.6 | 2041.3 | 1993.7 |
| 70°   | 1192.2 | 1229.5 | 1426.5 | 1953.0 | 3117.9 | 4252.3 | 3039.8 | 2024.3 | 1487.6 | 1263.5 | 1243.1 |
| 72.5° | 560.4  | 574.0  | 692.9  | 1018.9 | 1963.1 | 3039.8 | 1990.3 | 1093.7 | 689.5  | 584.2  | 557.0  |
| 75°   | 190.2  | 200.4  | 224.2  | 349.8  | 811.7  | 1446.9 | 805.0  | 349.8  | 231.0  | 217.4  | 210.6  |
| 77.5° | 112.1  | 108.7  | 112.1  | 118.9  | 207.2  | 390.6  | 217.4  | 132.5  | 118.9  | 122.3  | 122.3  |
| 80°   | 67.9   | 67.9   | 78.1   | 81.5   | 88.3   | 105.3  | 101.9  | 95.1   | 88.3   | 74.7   | 74.7   |
| 82.5° | 34.0   | 37.4   | 54.3   | 57.7   | 57.7   | 64.5   | 67.9   | 71.3   | 64.5   | 40.8   | 40.8   |
| 85°   | 20.4   | 17.0   | 30.6   | 34.0   | 34.0   | 27.2   | 37.4   | 44.2   | 40.8   | 20.4   | 23.8   |
| 87.5° | 3.4    | 3.4    | 10.2   | 10.2   | 10.2   | 6.8    | 10.2   | 13.6   | 13.6   | 6.8    | 3.4    |
| 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)