

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: P455035

Luminaire Tested: **GLAN-SA6B-722-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25961 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 243  
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



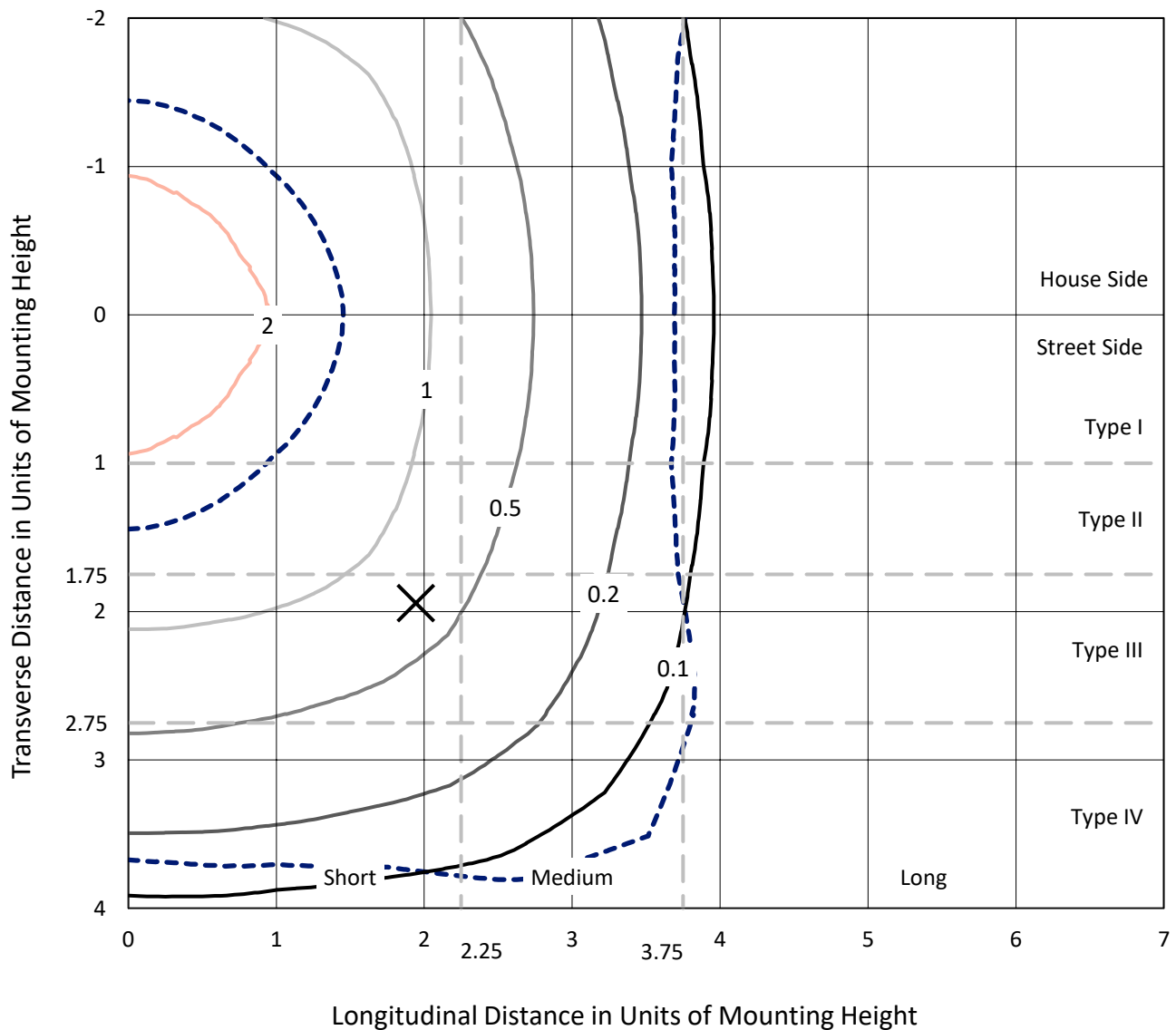
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## Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd



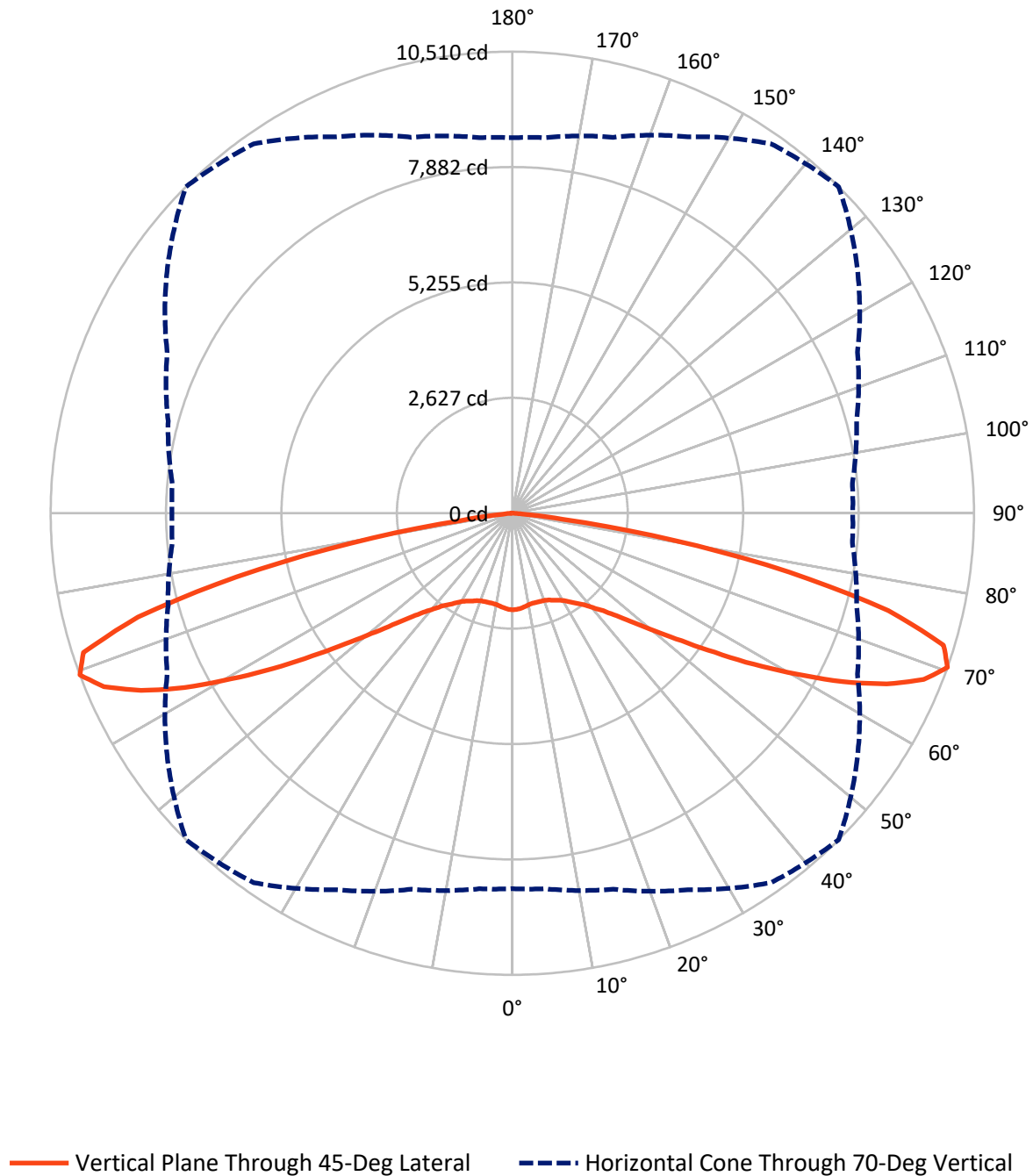
Based on 25 foot mounting height. Maximum calculated value = 3.5 fc

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    | 12980.5  | 0.0    | 12980.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12980.5  | 0.0    | 12980.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25961.0  | 0.0    | 25961.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 205.5   | 0.8       |
| 10°-20°   | 601.8   | 2.3       |
| 20°-30°   | 1025.2  | 3.9       |
| 30°-40°   | 1589.1  | 6.1       |
| 40°-50°   | 2674.7  | 10.3      |
| 50°-60°   | 4866.5  | 18.7      |
| 60°-70°   | 8238.8  | 31.7      |
| 70°-80°   | 6377.2  | 24.6      |
| 80°-90°   | 382.1   | 1.5       |
| 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°    | 25961.0 | 100.0     |
| 0°-180°   | 25961.0 | 100.0     |

**Coefficient of Utilization**



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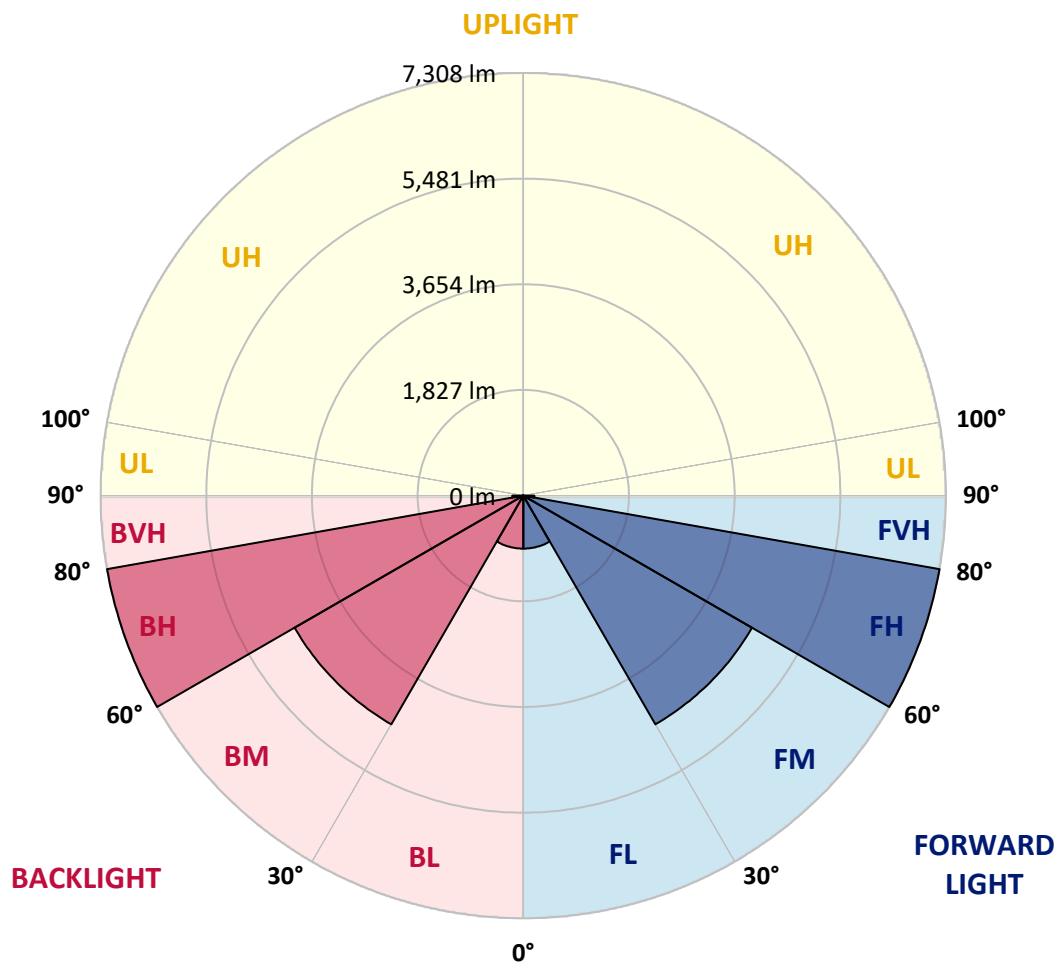
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 916.3  | 3.5       |                         |      |         |
| FM   | (30°-60°)   | 4565.2 | 17.6      |                         |      |         |
| FH   | (60°-80°)   | 7308.0 | 28.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 191.1  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 916.3  | 3.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4565.2 | 17.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 7308.0 | 28.1      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 191.1  | 0.7       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 2197.9 | 2197.9 | 2197.9 | 2197.9 | 2197.9  | 2197.9  | 2197.9 | 2197.9 | 2197.9 | 2197.9 | 2197.9 |
| 2.5°  | 2192.4 | 2193.8 | 2193.8 | 2191.1 | 2189.7  | 2189.7  | 2188.3 | 2188.3 | 2192.4 | 2193.8 | 2195.2 |
| 5°    | 2173.2 | 2173.2 | 2173.2 | 2171.9 | 2169.1  | 2169.1  | 2166.4 | 2166.4 | 2167.8 | 2171.9 | 2169.1 |
| 7.5°  | 2147.2 | 2149.9 | 2149.9 | 2144.4 | 2140.3  | 2140.3  | 2139.0 | 2140.3 | 2141.7 | 2145.8 | 2144.4 |
| 10°   | 2139.0 | 2140.3 | 2133.5 | 2123.9 | 2117.0  | 2112.9  | 2114.3 | 2117.0 | 2123.9 | 2126.6 | 2128.0 |
| 12.5° | 2144.4 | 2144.4 | 2132.1 | 2118.4 | 2106.1  | 2100.6  | 2099.2 | 2108.8 | 2121.1 | 2129.4 | 2132.1 |
| 15°   | 2151.3 | 2148.6 | 2133.5 | 2115.6 | 2103.3  | 2101.9  | 2100.6 | 2107.4 | 2125.2 | 2141.7 | 2143.1 |
| 17.5° | 2155.4 | 2154.0 | 2134.8 | 2112.9 | 2106.1  | 2106.1  | 2104.7 | 2110.2 | 2129.4 | 2149.9 | 2151.3 |
| 20°   | 2169.1 | 2165.0 | 2143.1 | 2119.8 | 2114.3  | 2117.0  | 2112.9 | 2119.8 | 2140.3 | 2165.0 | 2170.5 |
| 22.5° | 2196.5 | 2192.4 | 2170.5 | 2147.2 | 2144.4  | 2144.4  | 2143.1 | 2149.9 | 2171.9 | 2197.9 | 2202.0 |
| 25°   | 2229.5 | 2225.3 | 2204.8 | 2188.3 | 2191.1  | 2196.5  | 2193.8 | 2195.2 | 2213.0 | 2234.9 | 2241.8 |
| 27.5° | 2273.3 | 2266.5 | 2248.6 | 2234.9 | 2243.2  | 2243.2  | 2243.2 | 2241.8 | 2252.8 | 2273.3 | 2280.2 |
| 30°   | 2326.8 | 2324.1 | 2304.9 | 2303.5 | 2310.3  | 2303.5  | 2303.5 | 2304.9 | 2306.2 | 2325.4 | 2332.3 |
| 32.5° | 2396.7 | 2391.2 | 2381.6 | 2378.9 | 2398.1  | 2403.6  | 2384.4 | 2366.6 | 2376.2 | 2395.4 | 2399.5 |
| 35°   | 2511.9 | 2503.7 | 2490.0 | 2474.9 | 2490.0  | 2516.0  | 2474.9 | 2461.2 | 2485.9 | 2511.9 | 2514.6 |
| 37.5° | 2668.2 | 2664.1 | 2642.2 | 2614.7 | 2613.4  | 2640.8  | 2598.3 | 2596.9 | 2643.5 | 2675.1 | 2679.2 |
| 40°   | 2864.3 | 2868.4 | 2841.0 | 2814.9 | 2801.2  | 2823.2  | 2790.2 | 2802.6 | 2847.8 | 2883.5 | 2880.7 |
| 42.5° | 3139.9 | 3124.8 | 3082.3 | 3057.6 | 3042.5  | 3034.3  | 3026.1 | 3045.3 | 3096.0 | 3134.4 | 3164.6 |
| 45°   | 3462.1 | 3456.6 | 3403.1 | 3373.0 | 3340.1  | 3327.7  | 3325.0 | 3359.3 | 3421.0 | 3467.6 | 3471.7 |
| 47.5° | 3826.8 | 3814.5 | 3780.2 | 3748.7 | 3736.3  | 3721.2  | 3707.5 | 3733.6 | 3795.3 | 3828.2 | 3837.8 |
| 50°   | 4202.5 | 4205.2 | 4205.2 | 4199.8 | 4212.1  | 4214.8  | 4177.8 | 4187.4 | 4221.7 | 4219.0 | 4216.2 |
| 52.5° | 4631.7 | 4646.7 | 4718.0 | 4724.9 | 4783.9  | 4823.6  | 4756.4 | 4716.7 | 4704.3 | 4630.3 | 4635.8 |
| 55°   | 5136.2 | 5150.0 | 5256.9 | 5363.8 | 5522.9  | 5590.1  | 5448.9 | 5325.5 | 5237.7 | 5125.3 | 5130.8 |
| 57.5° | 5765.6 | 5772.4 | 5873.9 | 6079.6 | 6331.9  | 6489.5  | 6241.4 | 5997.3 | 5819.1 | 5712.1 | 5669.6 |
| 60°   | 6442.9 | 6449.8 | 6597.9 | 6848.8 | 7240.9  | 7432.9  | 7125.7 | 6726.7 | 6501.9 | 6338.7 | 6349.7 |
| 62.5° | 7256.0 | 7283.4 | 7416.4 | 7761.9 | 8237.7  | 8453.0  | 8045.8 | 7512.4 | 7208.0 | 7005.1 | 7013.3 |
| 65°   | 8126.7 | 8173.3 | 8318.6 | 8698.4 | 9137.2  | 9368.9  | 8869.8 | 8254.2 | 7875.8 | 7627.6 | 7653.6 |
| 67.5° | 8691.6 | 8732.7 | 8942.5 | 9362.1 | 9909.1  | 10101.1 | 9456.7 | 8739.6 | 8266.5 | 7970.4 | 7915.5 |
| 70°   | 8547.6 | 8581.9 | 8861.6 | 9456.7 | 10267.0 | 10509.7 | 9596.5 | 8668.3 | 8111.6 | 7770.2 | 7748.2 |
| 72.5° | 7545.3 | 7474.0 | 7882.6 | 8736.8 | 9858.4  | 10265.6 | 9156.4 | 7916.9 | 7216.2 | 6865.2 | 6824.1 |
| 75°   | 5000.5 | 5155.4 | 5758.7 | 6765.1 | 8340.6  | 8845.1  | 7815.4 | 6356.5 | 5474.9 | 5182.9 | 5137.6 |
| 77.5° | 1671.4 | 1790.7 | 2326.8 | 3835.0 | 5686.1  | 6444.3  | 5694.3 | 4157.3 | 2941.1 | 2369.3 | 2380.3 |
| 80°   | 442.9  | 437.4  | 566.3  | 1054.4 | 2457.1  | 3732.2  | 2860.2 | 1408.1 | 770.6  | 558.0  | 529.3  |
| 82.5° | 159.1  | 178.2  | 229.0  | 292.1  | 651.3   | 1160.0  | 818.6  | 394.9  | 289.3  | 213.9  | 207.0  |
| 85°   | 69.9   | 68.6   | 98.7   | 116.5  | 163.2   | 216.6   | 192.0  | 167.3  | 146.7  | 97.4   | 90.5   |
| 87.5° | 15.1   | 15.1   | 23.3   | 17.8   | 28.8    | 28.8    | 35.6   | 42.5   | 43.9   | 28.8   | 23.3   |
| 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)