

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641524

Luminaire Tested: GWS-SA6B-722-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

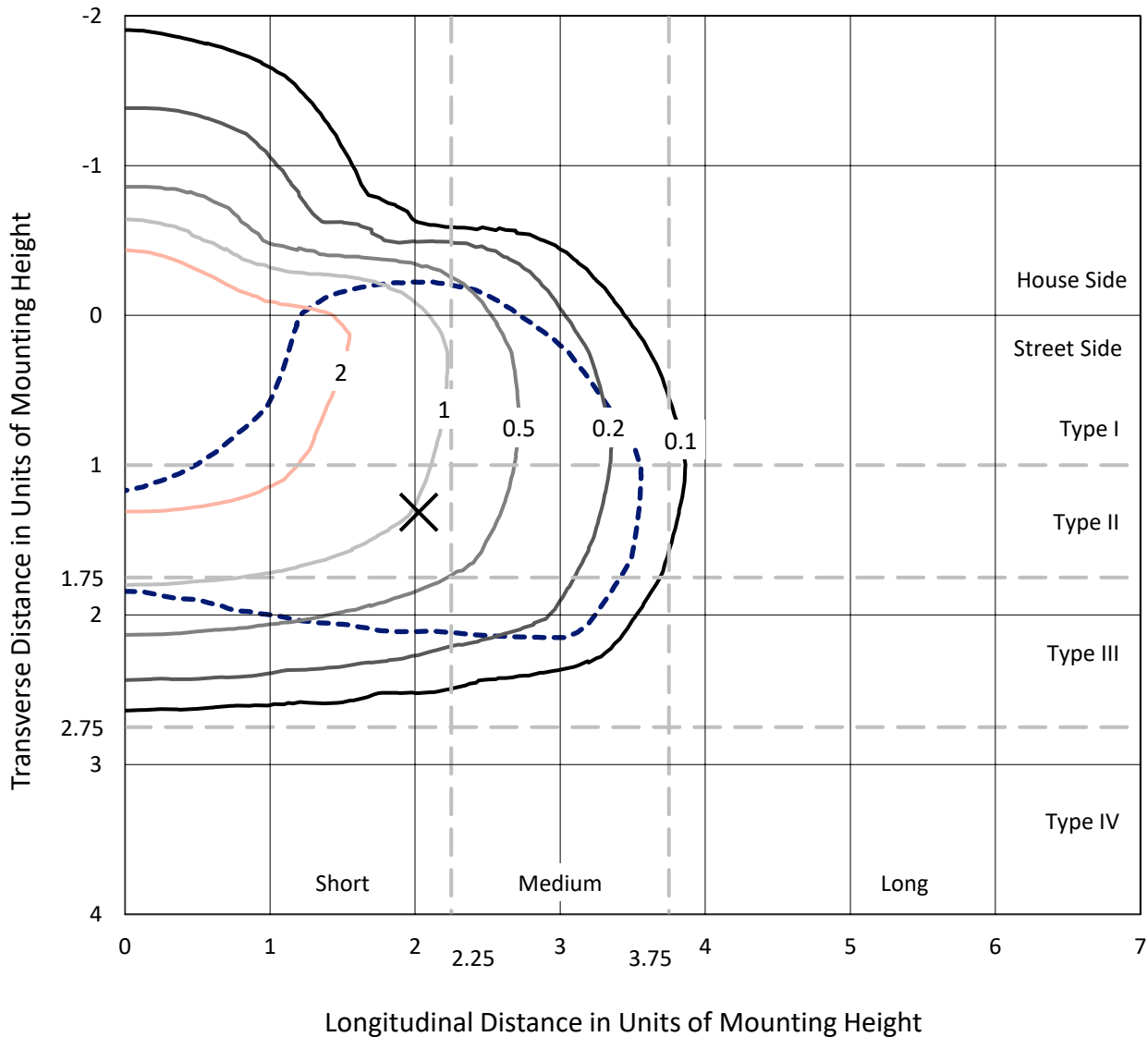
Lumens per Lamp: N/A  
Luminaire Lumens: 15606.2 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P641524  
 CATALOG NUMBER: GWS-SA6B-722-U-T3-W

### Iso-Footcandle Lines of Horizontal Illumination

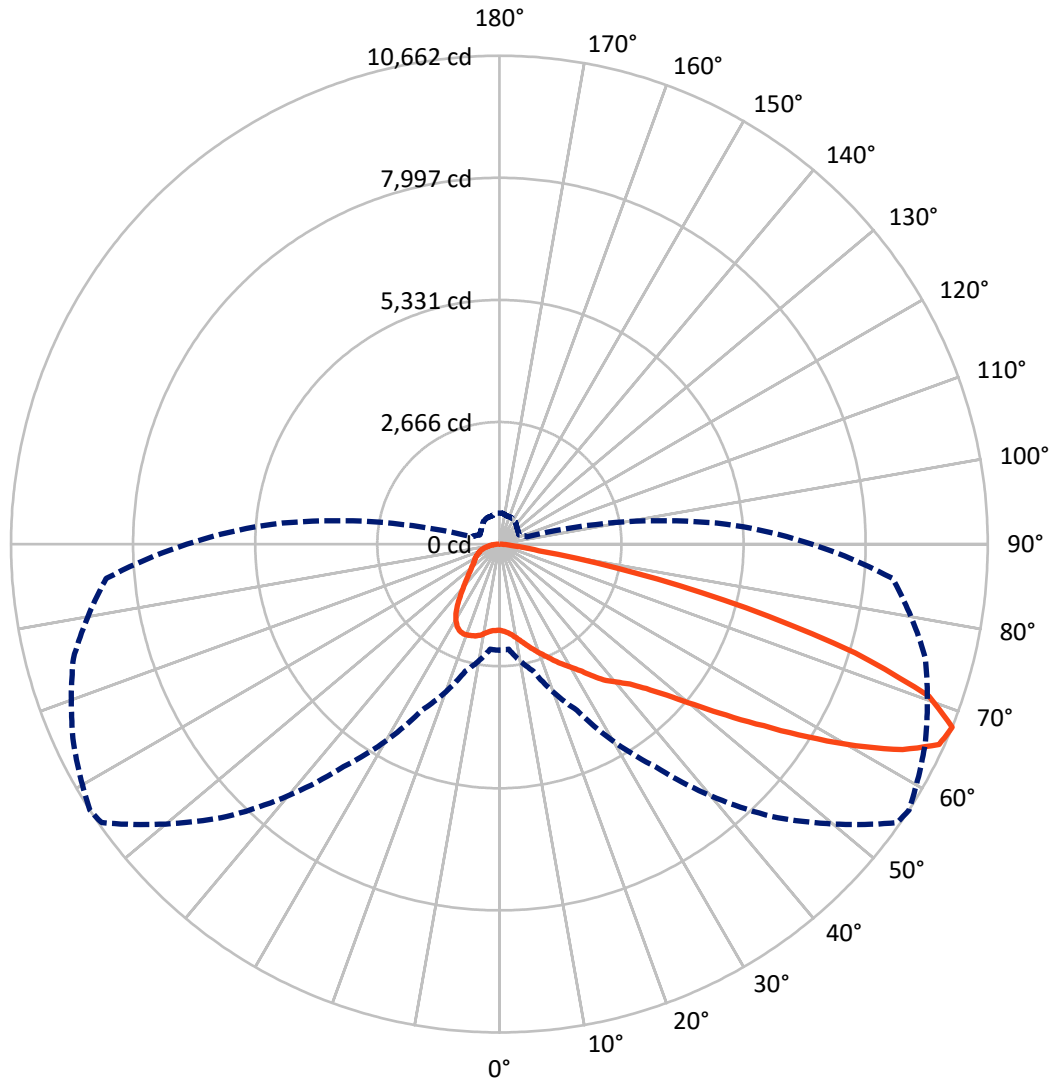
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P641524  
CATALOG NUMBER: GWS-SA6B-722-U-T3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641524

CATALOG NUMBER: GWS-SA6B-722-U-T3-W

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3431.2   | 0.0    | 3431.2  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 12175.0  | 0.0    | 12175.0 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 15606.2  | 0.0    | 15606.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 186.5   | 1.2       |
| 10°-20°   | 617.4   | 4.0       |
| 20°-30°   | 1100.7  | 7.1       |
| 30°-40°   | 1600.3  | 10.3      |
| 40°-50°   | 2316.2  | 14.8      |
| 50°-60°   | 3624.8  | 23.2      |
| 60°-70°   | 4228.5  | 27.1      |
| 70°-80°   | 1765.2  | 11.3      |
| 80°-90°   | 166.6   | 1.1       |
| 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°    | 15606.2 | 100.0     |
| 0°-180°   | 15606.2 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P641524

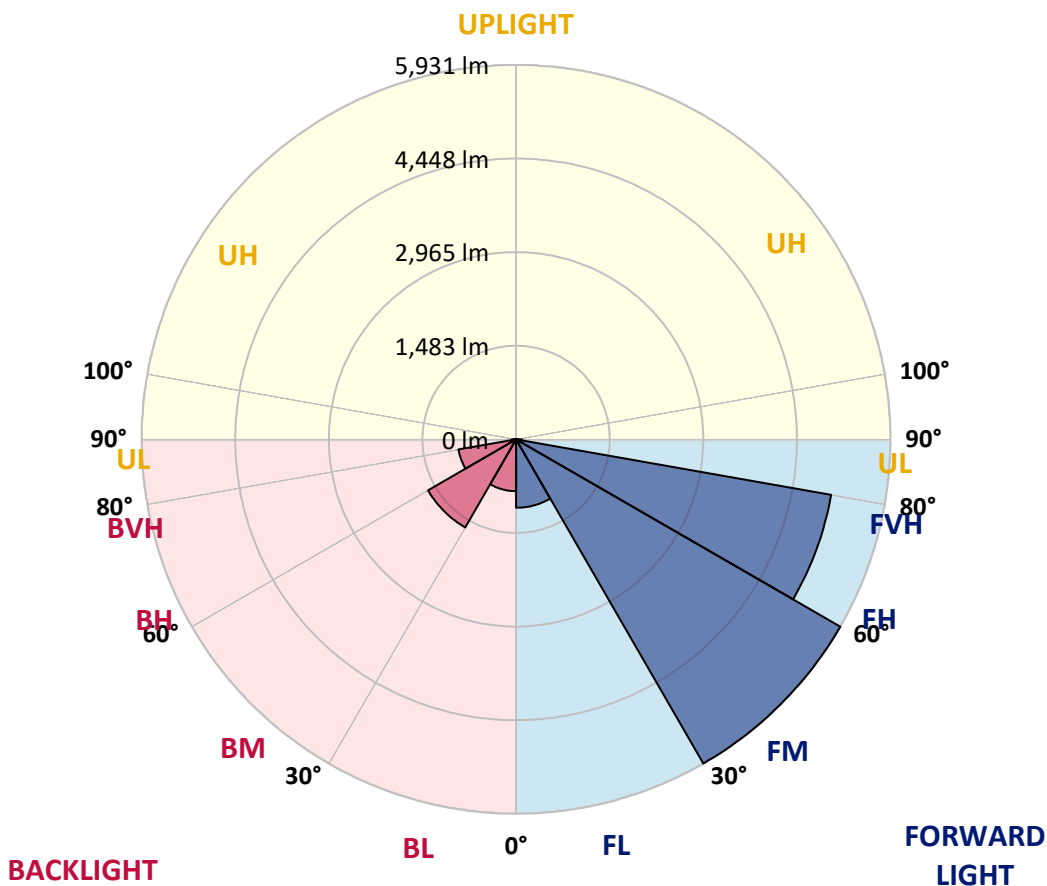
CATALOG NUMBER: GWS-SA6B-722-U-T3-W

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1084.0 | 6.9       |                         |      |         |
| FM (30°-60°)   | 5930.6 | 38.0      |                         |      |         |
| FH (60°-80°)   | 5067.6 | 32.5      |                         |      | G3/7500 |
| FVH (80°-90°)  | 92.8   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 820.6  | 5.3       | B2/1000                 |      |         |
| BM (30°-60°)   | 1610.7 | 10.3      | B2/2500                 |      |         |
| BH (60°-80°)   | 926.1  | 5.9       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 73.8   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P641524  
 CATALOG NUMBER: GWS-SA6B-722-U-T3-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 57°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0°    | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4  | 1880.4  | 1880.4  | 1880.4 | 1880.4 |
| 2.5°  | 1907.3 | 1905.0 | 1903.9 | 1910.6 | 1908.4 | 1907.3 | 1907.3  | 1906.2  | 1903.9  | 1895.0 | 1882.7 |
| 5°    | 1959.8 | 1955.3 | 1950.9 | 1956.5 | 1952.0 | 1947.5 | 1946.4  | 1944.2  | 1936.3  | 1922.9 | 1903.9 |
| 7.5°  | 2014.6 | 2010.1 | 2011.2 | 2014.6 | 2011.2 | 2009.0 | 2005.7  | 2003.4  | 1991.1  | 1969.9 | 1944.2 |
| 10°   | 2091.7 | 2091.7 | 2094.0 | 2097.3 | 2098.4 | 2095.1 | 2088.4  | 2085.0  | 2070.5  | 2043.7 | 2007.9 |
| 12.5° | 2203.5 | 2201.3 | 2201.3 | 2199.1 | 2202.4 | 2199.1 | 2192.4  | 2186.8  | 2168.9  | 2134.2 | 2082.8 |
| 15°   | 2351.1 | 2342.2 | 2334.3 | 2319.8 | 2315.3 | 2303.0 | 2305.3  | 2301.9  | 2285.1  | 2238.2 | 2173.4 |
| 17.5° | 2508.7 | 2507.6 | 2495.3 | 2466.3 | 2437.2 | 2417.1 | 2421.5  | 2420.4  | 2411.5  | 2347.8 | 2265.0 |
| 20°   | 2647.4 | 2653.0 | 2641.8 | 2619.4 | 2580.3 | 2542.3 | 2540.0  | 2545.6  | 2534.5  | 2470.7 | 2355.6 |
| 22.5° | 2802.8 | 2798.3 | 2787.1 | 2758.1 | 2729.0 | 2688.7 | 2675.3  | 2670.9  | 2666.4  | 2593.7 | 2448.4 |
| 25°   | 2950.3 | 2963.8 | 2949.2 | 2922.4 | 2877.7 | 2834.1 | 2822.9  | 2827.4  | 2815.1  | 2718.9 | 2547.9 |
| 27.5° | 3137.0 | 3142.6 | 3133.7 | 3096.8 | 3058.8 | 2997.3 | 2976.1  | 2976.1  | 2971.6  | 2836.3 | 2626.1 |
| 30°   | 3336.0 | 3351.7 | 3336.0 | 3305.9 | 3266.7 | 3178.4 | 3132.6  | 3128.1  | 3114.7  | 2957.1 | 2717.8 |
| 32.5° | 3536.2 | 3547.3 | 3536.2 | 3507.1 | 3462.4 | 3385.2 | 3319.3  | 3309.2  | 3291.3  | 3089.0 | 2811.7 |
| 35°   | 3713.9 | 3724.0 | 3721.8 | 3728.5 | 3691.6 | 3594.3 | 3554.1  | 3549.6  | 3502.6  | 3261.1 | 2939.2 |
| 37.5° | 3908.5 | 3920.8 | 3904.0 | 3917.4 | 3902.9 | 3811.2 | 3798.9  | 3776.5  | 3709.5  | 3423.3 | 3073.3 |
| 40°   | 4129.8 | 4141.0 | 4114.2 | 4119.8 | 4103.0 | 4051.6 | 3988.9  | 3958.8  | 3859.3  | 3598.8 | 3284.6 |
| 42.5° | 4366.8 | 4392.5 | 4404.8 | 4394.8 | 4355.6 | 4326.6 | 4217.0  | 4179.0  | 4096.3  | 3915.2 | 3632.3 |
| 45°   | 4710.0 | 4748.1 | 4765.9 | 4740.2 | 4723.5 | 4682.1 | 4547.9  | 4502.1  | 4458.5  | 4361.2 | 4117.5 |
| 47.5° | 5080.1 | 5114.8 | 5171.8 | 5183.0 | 5196.4 | 5165.1 | 4976.1  | 4931.4  | 4939.2  | 4928.1 | 4714.5 |
| 50°   | 5375.2 | 5404.3 | 5532.9 | 5670.4 | 5784.4 | 5793.4 | 5551.9  | 5503.8  | 5546.3  | 5582.1 | 5433.4 |
| 52.5° | 5589.9 | 5615.6 | 5785.5 | 6069.5 | 6327.8 | 6518.9 | 6258.4  | 6203.7  | 6238.3  | 6318.8 | 6250.6 |
| 55°   | 5764.3 | 5800.1 | 5977.8 | 6413.8 | 6935.9 | 7237.8 | 7071.2  | 7001.9  | 6987.4  | 7086.9 | 7126.0 |
| 57.5° | 5856.0 | 5867.2 | 6116.5 | 6683.3 | 7382.0 | 7943.2 | 8015.9  | 7937.7  | 7799.0  | 7853.8 | 8057.3 |
| 60°   | 5646.9 | 5665.9 | 6006.9 | 6752.6 | 7734.2 | 8643.1 | 9007.6  | 8942.7  | 8647.6  | 8677.8 | 8902.5 |
| 62.5° | 5068.9 | 5095.7 | 5506.0 | 6422.8 | 7763.2 | 9110.4 | 9923.2  | 9881.8  | 9486.1  | 9322.8 | 9389.9 |
| 65°   | 4066.1 | 4075.0 | 4499.9 | 5606.7 | 7185.3 | 9168.5 | 10561.5 | 10551.5 | 10071.9 | 9689.5 | 9402.2 |
| 67.5° | 2318.7 | 2303.0 | 2871.0 | 3999.0 | 5929.8 | 8412.8 | 10602.9 | 10662.2 | 10261.9 | 9629.2 | 8619.6 |
| 70°   | 1005.1 | 1007.3 | 1268.9 | 1973.2 | 3838.0 | 6799.5 | 9848.3  | 9950.0  | 9711.9  | 8624.1 | 6857.7 |
| 72.5° | 465.1  | 471.8  | 584.7  | 854.1  | 1639.0 | 4218.1 | 8030.4  | 8122.1  | 7917.5  | 6902.4 | 4989.5 |
| 75°   | 328.7  | 334.3  | 390.2  | 489.7  | 753.5  | 1643.4 | 5371.9  | 5564.2  | 5663.7  | 5162.8 | 3288.0 |
| 77.5° | 249.3  | 257.1  | 285.1  | 339.9  | 465.1  | 582.5  | 2570.2  | 3028.6  | 3607.7  | 3212.0 | 1693.7 |
| 80°   | 158.8  | 158.8  | 188.9  | 226.9  | 284.0  | 303.0  | 742.3   | 879.8   | 1765.3  | 1323.7 | 665.2  |
| 82.5° | 107.3  | 110.7  | 128.6  | 144.2  | 163.2  | 172.2  | 318.6   | 339.9   | 509.8   | 450.5  | 273.9  |
| 85°   | 57.0   | 59.3   | 67.1   | 66.0   | 78.3   | 68.2   | 134.2   | 133.0   | 186.7   | 204.6  | 104.0  |
| 87.5° | 0.0    | 0.0    | 1.1    | 1.1    | 2.2    | 3.4    | 14.5    | 15.7    | 39.1    | 62.6   | 34.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |



REPORT NUMBER: P641524  
 CATALOG NUMBER: GWS-SA6B-722-U-T3-W

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 | 1880.4 |
| 2.5°  | 1889.4 | 1876.0 | 1882.7 | 1880.4 | 1887.1 | 1887.1 | 1874.9 | 1871.5 | 1872.6 | 1859.2 | 1854.7 |
| 5°    | 1906.2 | 1890.5 | 1893.9 | 1889.4 | 1896.1 | 1901.7 | 1896.1 | 1896.1 | 1902.8 | 1892.7 | 1887.1 |
| 7.5°  | 1944.2 | 1926.3 | 1926.3 | 1920.7 | 1928.5 | 1933.0 | 1928.5 | 1935.2 | 1947.5 | 1937.5 | 1931.9 |
| 10°   | 2004.5 | 1983.3 | 1984.4 | 1977.7 | 1981.1 | 1978.8 | 1960.9 | 1955.3 | 1958.7 | 1949.8 | 1945.3 |
| 12.5° | 2082.8 | 2053.7 | 2053.7 | 2040.3 | 2032.5 | 2009.0 | 1972.1 | 1958.7 | 1960.9 | 1953.1 | 1949.8 |
| 15°   | 2157.7 | 2130.9 | 2125.3 | 2098.4 | 2062.7 | 2019.1 | 1985.5 | 1976.6 | 1978.8 | 1971.0 | 1965.4 |
| 17.5° | 2246.0 | 2211.4 | 2191.2 | 2142.0 | 2076.1 | 2031.4 | 1997.8 | 1976.6 | 1958.7 | 1940.8 | 1936.3 |
| 20°   | 2327.6 | 2284.0 | 2247.1 | 2171.1 | 2090.6 | 2029.1 | 1966.5 | 1914.0 | 1870.4 | 1846.9 | 1841.3 |
| 22.5° | 2411.5 | 2355.6 | 2290.7 | 2191.2 | 2089.5 | 1988.9 | 1873.7 | 1794.4 | 1729.5 | 1694.9 | 1701.6 |
| 25°   | 2490.9 | 2420.4 | 2332.1 | 2210.2 | 2053.7 | 1899.4 | 1742.9 | 1624.4 | 1550.6 | 1523.8 | 1516.0 |
| 27.5° | 2556.8 | 2469.6 | 2370.1 | 2201.3 | 1979.9 | 1770.9 | 1564.1 | 1432.1 | 1360.6 | 1330.4 | 1322.6 |
| 30°   | 2630.6 | 2532.2 | 2424.9 | 2159.9 | 1863.7 | 1590.9 | 1361.7 | 1254.4 | 1202.9 | 1173.9 | 1175.0 |
| 32.5° | 2715.6 | 2612.7 | 2502.0 | 2080.6 | 1715.0 | 1396.4 | 1195.1 | 1121.3 | 1080.0 | 1050.9 | 1046.4 |
| 35°   | 2829.6 | 2727.9 | 2553.5 | 1960.9 | 1526.0 | 1217.5 | 1081.1 | 1020.7 | 969.3  | 931.3  | 923.5  |
| 37.5° | 2970.5 | 2901.2 | 2559.1 | 1801.1 | 1323.7 | 1094.5 | 999.5  | 934.6  | 872.0  | 821.7  | 816.1  |
| 40°   | 3212.0 | 3132.6 | 2513.2 | 1600.9 | 1151.5 | 1015.1 | 931.3  | 856.4  | 783.7  | 727.8  | 720.0  |
| 42.5° | 3556.3 | 3393.1 | 2414.8 | 1375.1 | 1021.8 | 952.5  | 866.4  | 771.4  | 697.6  | 658.5  | 652.9  |
| 45°   | 3994.5 | 3683.7 | 2267.3 | 1162.7 | 925.7  | 891.0  | 798.2  | 698.7  | 659.6  | 631.7  | 626.1  |
| 47.5° | 4531.2 | 4022.5 | 2097.3 | 997.2  | 850.8  | 835.1  | 728.9  | 674.1  | 639.5  | 616.0  | 610.4  |
| 50°   | 5172.9 | 4454.0 | 1957.6 | 867.6  | 783.7  | 770.3  | 706.6  | 659.6  | 631.7  | 612.7  | 608.2  |
| 52.5° | 5905.2 | 4933.6 | 1889.4 | 774.8  | 725.6  | 712.2  | 698.7  | 656.3  | 632.8  | 618.2  | 612.7  |
| 55°   | 6665.4 | 5439.0 | 1825.7 | 703.2  | 676.4  | 684.2  | 699.9  | 667.4  | 649.5  | 630.5  | 625.0  |
| 57.5° | 7399.9 | 5913.0 | 1669.1 | 647.3  | 640.6  | 670.8  | 705.4  | 678.6  | 657.4  | 638.4  | 631.7  |
| 60°   | 7906.3 | 6172.4 | 1404.2 | 602.6  | 613.8  | 654.0  | 690.9  | 661.8  | 635.0  | 627.2  | 623.8  |
| 62.5° | 8042.7 | 6141.1 | 1090.0 | 556.8  | 581.3  | 617.1  | 652.9  | 633.9  | 605.9  | 618.2  | 619.4  |
| 65°   | 7724.1 | 5805.7 | 818.4  | 512.0  | 538.9  | 569.1  | 613.8  | 605.9  | 595.9  | 629.4  | 630.5  |
| 67.5° | 6821.9 | 4981.7 | 623.8  | 472.9  | 495.3  | 532.2  | 601.5  | 633.9  | 636.1  | 678.6  | 674.1  |
| 70°   | 5161.7 | 3721.8 | 488.6  | 436.0  | 461.7  | 532.2  | 640.6  | 655.1  | 628.3  | 667.4  | 658.5  |
| 72.5° | 3568.6 | 2456.2 | 415.9  | 403.6  | 420.4  | 507.6  | 639.5  | 639.5  | 610.4  | 610.4  | 593.6  |
| 75°   | 2217.0 | 1444.4 | 362.2  | 362.2  | 362.2  | 443.8  | 621.6  | 589.2  | 537.7  | 514.3  | 500.9  |
| 77.5° | 1094.5 | 702.1  | 304.1  | 315.3  | 303.0  | 371.2  | 507.6  | 481.8  | 450.5  | 426.0  | 417.0  |
| 80°   | 467.3  | 351.0  | 246.0  | 258.3  | 243.7  | 279.5  | 402.5  | 396.9  | 366.7  | 334.3  | 324.2  |
| 82.5° | 214.7  | 181.1  | 196.8  | 202.4  | 177.8  | 210.2  | 294.0  | 294.0  | 277.3  | 232.5  | 215.8  |
| 85°   | 91.7   | 96.1   | 136.4  | 136.4  | 111.8  | 118.5  | 157.6  | 149.8  | 134.2  | 109.6  | 100.6  |
| 87.5° | 31.3   | 47.0   | 69.3   | 60.4   | 23.5   | 10.1   | 5.6    | 2.2    | 0.0    | 0.0    | 0.0    |
| 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)