

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: P634565

Luminaire Tested: GWS-SA3C-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

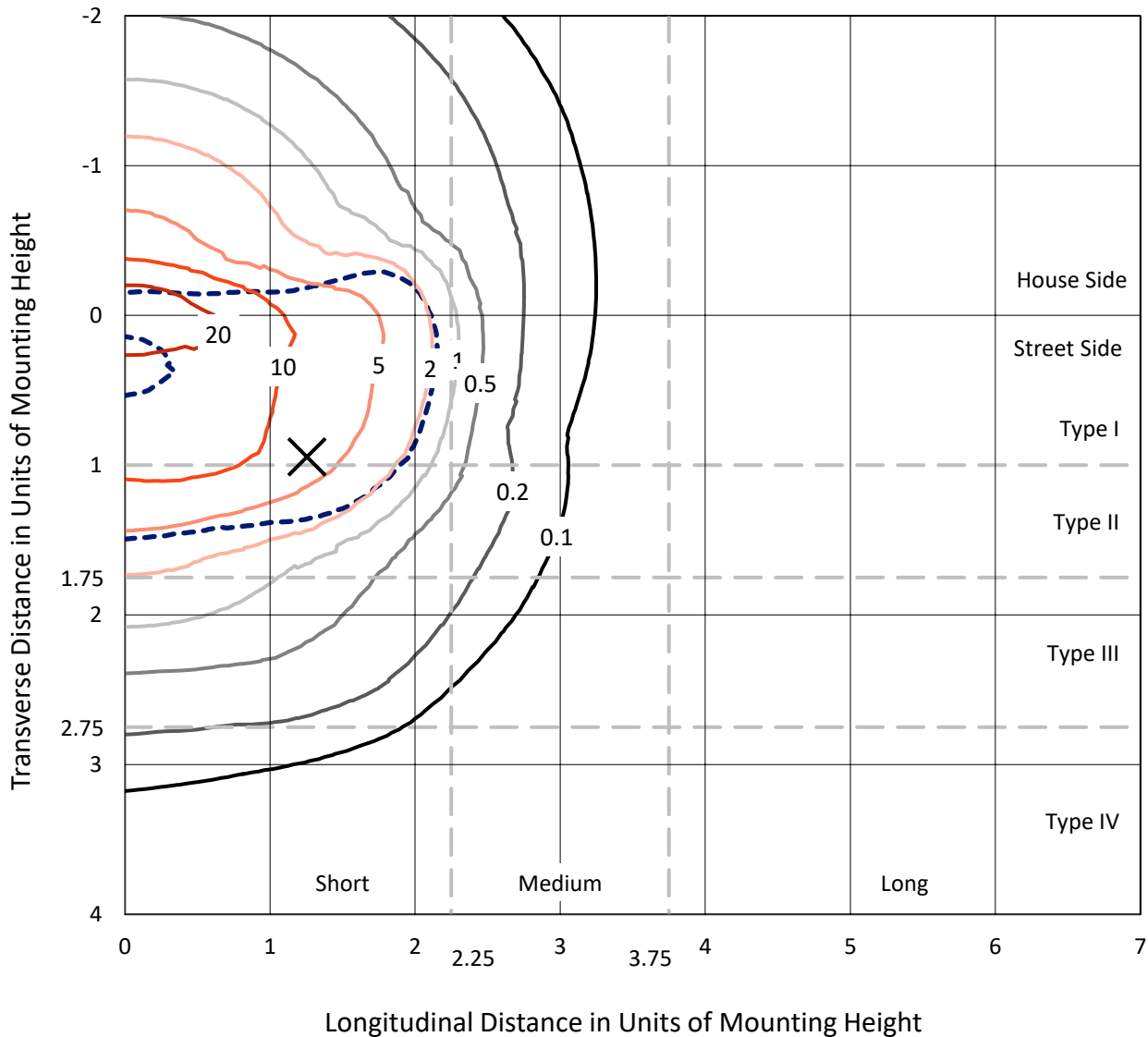
Lumens per Lamp: N/A  
Luminaire Lumens: 8751.5 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

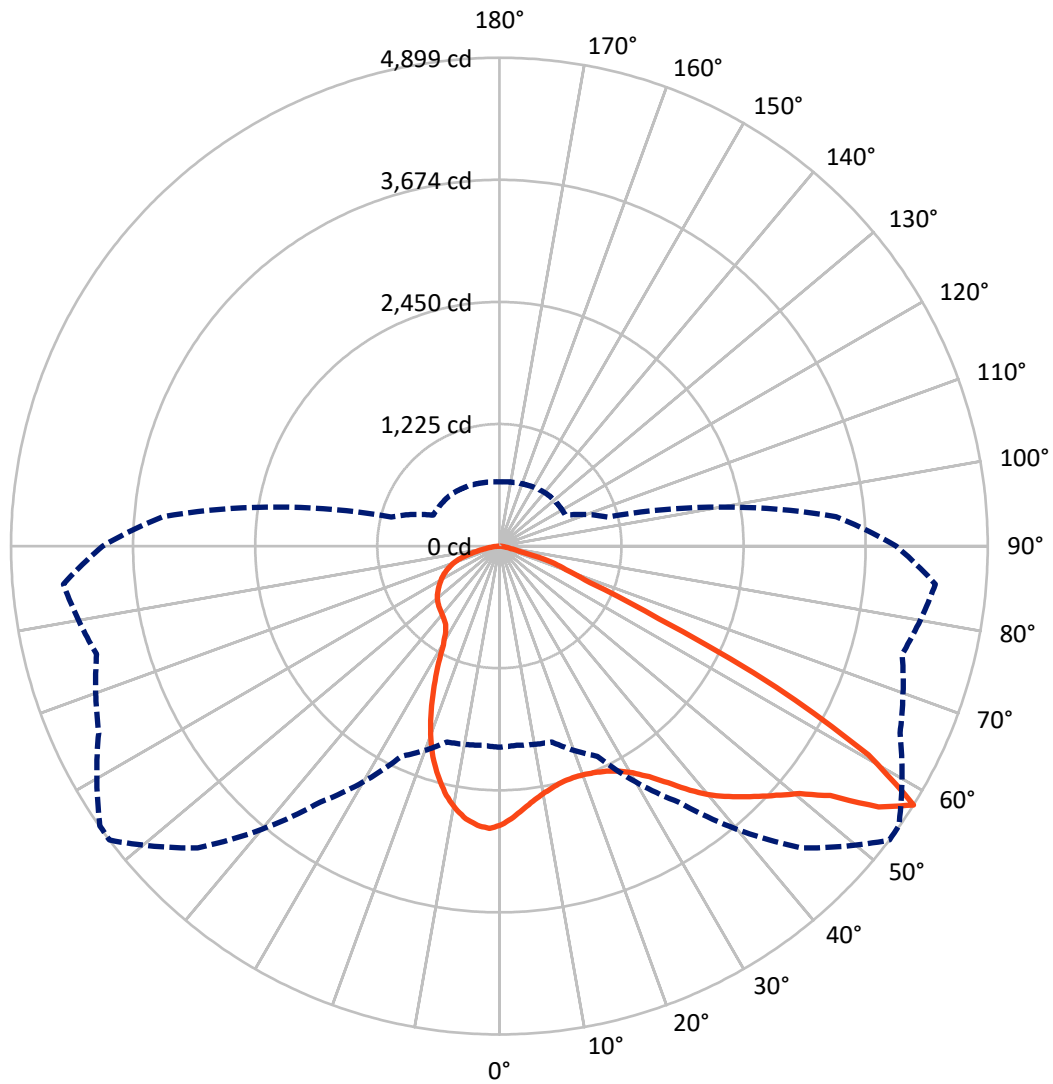
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2736.3   | 0.0    | 2736.3 |
|                    | % Fixture | 31.3     | 0.0    | 31.3   |
| <b>Street Side</b> | Lumens    | 6015.2   | 0.0    | 6015.2 |
|                    | % Fixture | 68.7     | 0.0    | 68.7   |
| <b>Total</b>       | Lumens    | 8751.5   | 0.0    | 8751.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 252.7  | 2.9       |
| 10°-20°   | 663.0  | 7.6       |
| 20°-30°   | 976.8  | 11.2      |
| 30°-40°   | 1367.3 | 15.6      |
| 40°-50°   | 1797.5 | 20.5      |
| 50°-60°   | 2107.5 | 24.1      |
| 60°-70°   | 1241.6 | 14.2      |
| 70°-80°   | 308.9  | 3.5       |
| 80°-90°   | 36.2   | 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°    | 8751.5 | 100.0     |
| 0°-180°   | 8751.5 | 100.0     |

**Coefficient of Utilization**



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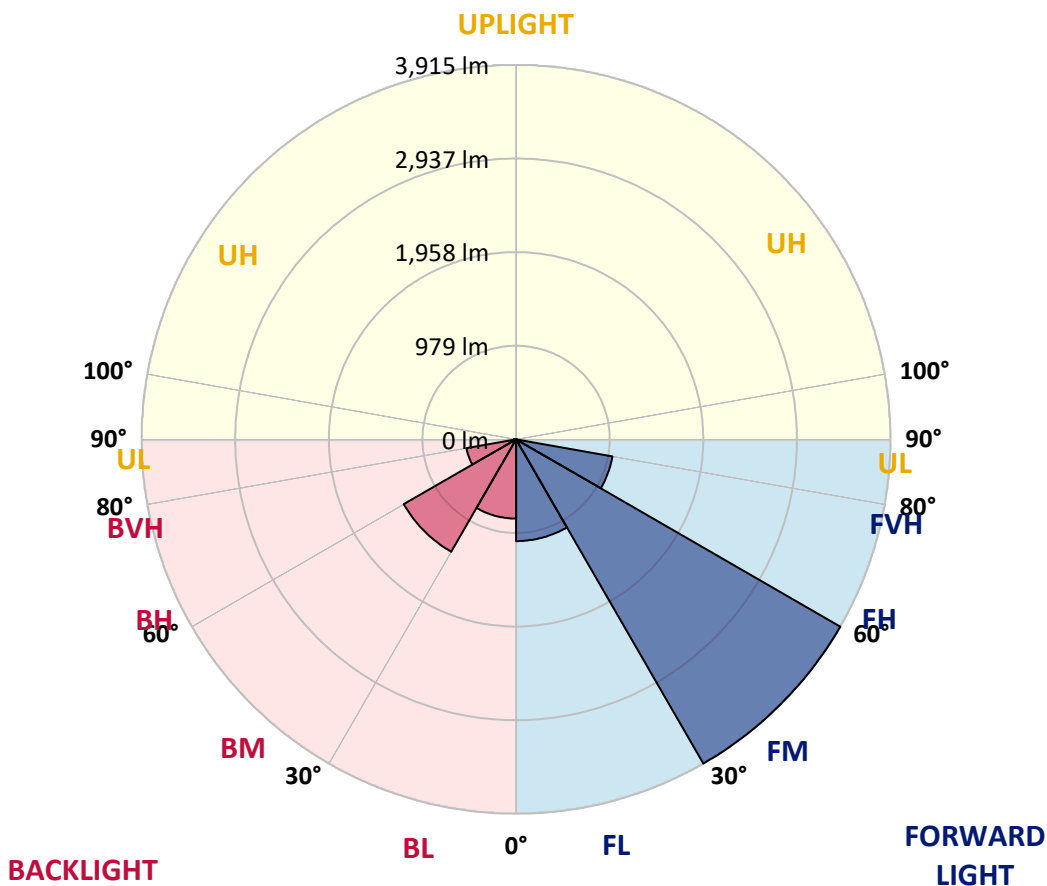
CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSWH

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1064.0 | 12.2      |                         |      |         |
| FM (30°-60°)   | 3915.5 | 44.7      |                         |      |         |
| FH (60°-80°)   | 1023.6 | 11.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 12.1   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 828.6  | 9.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 1356.8 | 15.5      | B2/2500                 |      |         |
| BH (60°-80°)   | 526.8  | 6.0       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 24.1   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 53°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 |
| 2.5°  | 2634.0 | 2641.4 | 2642.9 | 2665.7 | 2667.2 | 2700.3 | 2722.4 | 2718.0 | 2740.8 | 2768.8 | 2790.9 |
| 5°    | 2508.1 | 2508.8 | 2516.2 | 2543.4 | 2558.1 | 2601.6 | 2638.4 | 2638.4 | 2682.6 | 2740.1 | 2789.4 |
| 7.5°  | 2404.2 | 2403.5 | 2410.1 | 2440.3 | 2464.6 | 2516.9 | 2567.0 | 2572.9 | 2634.8 | 2718.7 | 2799.0 |
| 10°   | 2307.7 | 2312.9 | 2320.2 | 2357.1 | 2388.0 | 2452.8 | 2512.5 | 2522.1 | 2600.1 | 2704.0 | 2812.3 |
| 12.5° | 2245.8 | 2246.6 | 2257.6 | 2298.9 | 2338.6 | 2407.9 | 2470.5 | 2482.3 | 2572.1 | 2690.0 | 2821.8 |
| 15°   | 2206.1 | 2206.8 | 2218.6 | 2264.3 | 2310.7 | 2380.6 | 2444.7 | 2458.0 | 2555.9 | 2687.8 | 2840.3 |
| 17.5° | 2188.4 | 2187.6 | 2198.7 | 2244.4 | 2295.2 | 2368.1 | 2436.6 | 2452.8 | 2563.3 | 2704.7 | 2872.7 |
| 20°   | 2188.4 | 2189.1 | 2195.0 | 2236.3 | 2287.8 | 2365.2 | 2444.7 | 2464.6 | 2592.0 | 2743.0 | 2922.8 |
| 22.5° | 2219.3 | 2222.3 | 2225.2 | 2253.2 | 2293.7 | 2369.6 | 2466.1 | 2492.6 | 2653.9 | 2807.1 | 2988.3 |
| 25°   | 2279.7 | 2280.5 | 2283.4 | 2306.2 | 2324.7 | 2382.1 | 2501.4 | 2541.2 | 2750.4 | 2900.7 | 3070.8 |
| 27.5° | 2360.7 | 2371.1 | 2374.0 | 2388.7 | 2388.7 | 2413.0 | 2556.7 | 2614.1 | 2880.8 | 3035.5 | 3176.1 |
| 30°   | 2474.2 | 2477.9 | 2483.0 | 2499.2 | 2481.5 | 2471.2 | 2637.7 | 2711.4 | 3031.8 | 3198.2 | 3302.8 |
| 32.5° | 2573.6 | 2581.7 | 2609.7 | 2636.2 | 2604.6 | 2572.1 | 2757.0 | 2843.9 | 3176.9 | 3367.7 | 3437.6 |
| 35°   | 2658.3 | 2678.2 | 2732.0 | 2790.9 | 2768.8 | 2736.4 | 2915.4 | 3006.0 | 3296.2 | 3489.2 | 3557.0 |
| 37.5° | 2760.7 | 2776.2 | 2849.8 | 2945.6 | 2965.5 | 2950.0 | 3108.4 | 3173.2 | 3375.8 | 3520.1 | 3621.8 |
| 40°   | 2864.6 | 2888.1 | 2983.2 | 3115.7 | 3191.6 | 3202.7 | 3286.6 | 3330.1 | 3403.0 | 3459.7 | 3609.2 |
| 42.5° | 2970.6 | 3011.1 | 3141.5 | 3296.2 | 3431.0 | 3456.0 | 3436.9 | 3455.3 | 3394.2 | 3376.5 | 3551.1 |
| 45°   | 3100.3 | 3148.1 | 3295.5 | 3492.9 | 3670.4 | 3709.4 | 3584.2 | 3567.3 | 3392.7 | 3344.8 | 3515.0 |
| 47.5° | 3253.5 | 3301.4 | 3442.0 | 3671.9 | 3898.7 | 3927.5 | 3735.2 | 3704.3 | 3444.3 | 3393.4 | 3563.6 |
| 50°   | 3389.0 | 3422.2 | 3548.1 | 3805.2 | 4111.6 | 4128.5 | 3901.7 | 3864.1 | 3572.4 | 3528.2 | 3715.3 |
| 52.5° | 3251.3 | 3247.6 | 3380.2 | 3696.9 | 4222.1 | 4426.1 | 4158.0 | 4121.9 | 3819.9 | 3752.1 | 3950.3 |
| 55°   | 2758.5 | 2716.5 | 2835.1 | 3146.7 | 3913.5 | 4690.6 | 4617.6 | 4545.4 | 4149.9 | 3977.5 | 4170.5 |
| 57.5° | 2016.8 | 2005.0 | 2033.7 | 2326.1 | 3134.9 | 4281.0 | 4899.0 | 4892.4 | 4435.0 | 4183.8 | 4390.0 |
| 60°   | 1577.0 | 1559.3 | 1482.7 | 1490.8 | 2136.8 | 3344.1 | 4251.5 | 4446.7 | 4611.7 | 4307.5 | 4543.2 |
| 62.5° | 1400.2 | 1387.0 | 1347.2 | 1237.5 | 1272.8 | 2242.2 | 3116.5 | 3295.5 | 4029.8 | 3804.4 | 3902.4 |
| 65°   | 1159.4 | 1155.7 | 1188.8 | 1184.4 | 1066.6 | 1238.2 | 1759.0 | 1939.4 | 2533.8 | 2565.5 | 2533.8 |
| 67.5° | 842.6  | 836.0  | 920.0  | 1085.7 | 1026.8 | 934.7  | 980.4  | 1043.0 | 1299.3 | 1166.7 | 1050.4 |
| 70°   | 548.0  | 538.4  | 587.1  | 784.5  | 919.3  | 814.7  | 706.4  | 696.1  | 714.5  | 444.2  | 480.3  |
| 72.5° | 367.6  | 356.5  | 355.8  | 431.6  | 555.4  | 548.8  | 547.3  | 542.1  | 483.9  | 350.6  | 388.9  |
| 75°   | 204.8  | 195.9  | 193.7  | 186.4  | 198.9  | 202.6  | 215.8  | 223.2  | 241.6  | 265.9  | 294.6  |
| 77.5° | 34.6   | 33.9   | 42.7   | 54.5   | 75.1   | 96.5   | 119.3  | 126.0  | 155.4  | 184.1  | 202.6  |
| 80°   | 19.2   | 19.9   | 25.8   | 31.7   | 42.0   | 57.5   | 73.7   | 78.1   | 95.8   | 111.2  | 126.0  |
| 82.5° | 10.3   | 10.3   | 13.3   | 16.9   | 22.8   | 30.2   | 39.8   | 43.5   | 55.2   | 64.8   | 75.1   |
| 85°   | 3.7    | 3.7    | 5.2    | 6.6    | 9.6    | 12.5   | 15.5   | 17.7   | 24.3   | 33.1   | 37.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 1.5    | 2.9    | 2.9    | 3.7    | 6.6    | 9.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 | 2794.6 |
| 2.5°  | 2809.3 | 2789.4 | 2816.7 | 2829.2 | 2833.6 | 2836.6 | 2817.4 | 2804.2 | 2799.7 | 2785.8 | 2777.6 |
| 5°    | 2819.6 | 2806.4 | 2832.2 | 2832.2 | 2813.7 | 2794.6 | 2755.6 | 2728.3 | 2709.1 | 2686.3 | 2682.6 |
| 7.5°  | 2837.3 | 2827.7 | 2841.7 | 2813.0 | 2766.6 | 2715.0 | 2647.3 | 2594.2 | 2551.5 | 2523.5 | 2524.3 |
| 10°   | 2860.9 | 2849.1 | 2838.0 | 2774.0 | 2689.3 | 2594.2 | 2490.4 | 2413.0 | 2342.3 | 2309.9 | 2292.2 |
| 12.5° | 2876.4 | 2859.4 | 2813.0 | 2706.9 | 2582.5 | 2455.0 | 2308.4 | 2193.5 | 2091.2 | 2044.8 | 2041.1 |
| 15°   | 2895.5 | 2864.6 | 2771.8 | 2620.0 | 2446.9 | 2273.1 | 2084.5 | 1924.7 | 1786.2 | 1714.0 | 1710.3 |
| 17.5° | 2920.5 | 2869.7 | 2722.4 | 2520.6 | 2304.0 | 2047.7 | 1810.5 | 1609.4 | 1462.1 | 1406.1 | 1415.7 |
| 20°   | 2955.9 | 2875.6 | 2666.4 | 2410.1 | 2126.5 | 1791.4 | 1496.0 | 1311.1 | 1254.4 | 1250.7 | 1243.3 |
| 22.5° | 2995.7 | 2879.3 | 2604.6 | 2286.3 | 1911.4 | 1518.1 | 1236.0 | 1157.2 | 1156.4 | 1174.8 | 1179.3 |
| 25°   | 3040.6 | 2882.2 | 2534.6 | 2142.0 | 1678.7 | 1245.6 | 1093.1 | 1069.5 | 1087.9 | 1122.6 | 1127.0 |
| 27.5° | 3098.1 | 2888.1 | 2449.9 | 1983.6 | 1431.2 | 1076.1 | 1014.3 | 1008.4 | 1030.5 | 1062.9 | 1061.4 |
| 30°   | 3182.8 | 2909.5 | 2360.0 | 1801.7 | 1177.1 | 995.9  | 966.4  | 967.1  | 976.0  | 991.4  | 993.6  |
| 32.5° | 3268.9 | 2942.6 | 2272.4 | 1596.9 | 1031.2 | 950.2  | 936.9  | 935.5  | 935.5  | 942.1  | 943.6  |
| 35°   | 3350.7 | 2980.2 | 2177.3 | 1383.3 | 960.5  | 923.7  | 914.8  | 910.4  | 908.2  | 906.7  | 904.5  |
| 37.5° | 3396.4 | 2998.6 | 2084.5 | 1172.6 | 922.9  | 906.0  | 897.2  | 891.3  | 883.2  | 877.3  | 875.8  |
| 40°   | 3376.5 | 2977.3 | 1977.0 | 1015.0 | 900.1  | 889.1  | 878.7  | 870.6  | 859.6  | 854.4  | 851.5  |
| 42.5° | 3310.2 | 2911.0 | 1859.9 | 940.6  | 881.7  | 870.6  | 858.1  | 844.9  | 837.5  | 833.1  | 832.3  |
| 45°   | 3240.2 | 2830.7 | 1718.4 | 897.2  | 864.0  | 850.8  | 836.0  | 821.3  | 813.2  | 811.0  | 810.2  |
| 47.5° | 3238.0 | 2790.9 | 1568.2 | 862.5  | 842.6  | 829.4  | 811.0  | 796.2  | 787.4  | 784.5  | 781.5  |
| 50°   | 3335.2 | 2831.4 | 1398.8 | 832.3  | 820.6  | 806.6  | 785.9  | 769.7  | 758.7  | 755.0  | 754.3  |
| 52.5° | 3537.1 | 2983.9 | 1247.0 | 802.1  | 791.1  | 774.9  | 757.9  | 741.7  | 728.5  | 721.8  | 721.1  |
| 55°   | 3755.1 | 3177.6 | 1152.8 | 771.2  | 756.5  | 742.5  | 727.0  | 709.3  | 694.6  | 684.3  | 682.8  |
| 57.5° | 3980.5 | 3389.0 | 1124.0 | 732.2  | 721.1  | 711.5  | 693.1  | 674.0  | 657.0  | 647.5  | 645.2  |
| 60°   | 4166.1 | 3570.9 | 1177.8 | 690.9  | 685.0  | 672.5  | 655.6  | 637.1  | 625.4  | 618.0  | 616.5  |
| 62.5° | 3487.7 | 2907.3 | 950.9  | 646.0  | 646.0  | 632.7  | 613.6  | 600.3  | 592.2  | 587.1  | 585.6  |
| 65°   | 2213.4 | 1800.2 | 648.9  | 601.1  | 600.3  | 582.6  | 566.4  | 557.6  | 553.9  | 545.8  | 544.3  |
| 67.5° | 964.2  | 822.8  | 554.6  | 555.4  | 552.4  | 533.3  | 517.1  | 510.5  | 503.1  | 494.2  | 493.5  |
| 70°   | 500.1  | 509.7  | 496.5  | 504.6  | 499.4  | 476.6  | 461.1  | 450.8  | 435.3  | 426.5  | 427.2  |
| 72.5° | 403.6  | 414.0  | 428.7  | 441.2  | 430.2  | 411.7  | 387.4  | 374.9  | 355.0  | 345.5  | 346.2  |
| 75°   | 307.9  | 318.9  | 332.9  | 346.2  | 337.4  | 314.5  | 299.1  | 286.5  | 263.7  | 252.6  | 254.9  |
| 77.5° | 212.1  | 218.0  | 235.0  | 234.2  | 231.3  | 224.7  | 201.8  | 187.1  | 163.5  | 150.3  | 151.7  |
| 80°   | 131.8  | 135.5  | 143.6  | 147.3  | 145.8  | 137.0  | 118.6  | 107.5  | 93.5   | 85.4   | 86.2   |
| 82.5° | 79.6   | 81.8   | 89.1   | 89.9   | 89.1   | 82.5   | 68.5   | 60.4   | 51.6   | 47.1   | 47.1   |
| 85°   | 40.5   | 42.0   | 46.4   | 46.4   | 42.0   | 35.4   | 31.7   | 28.0   | 22.8   | 20.6   | 20.6   |
| 87.5° | 11.0   | 11.0   | 14.0   | 11.8   | 9.6    | 8.8    | 4.4    | 3.7    | 1.5    | 0.7    | 0.7    |
| 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)