

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: P634400

Luminaire Tested: GWS-SA3B-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634400  
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-SA3B-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

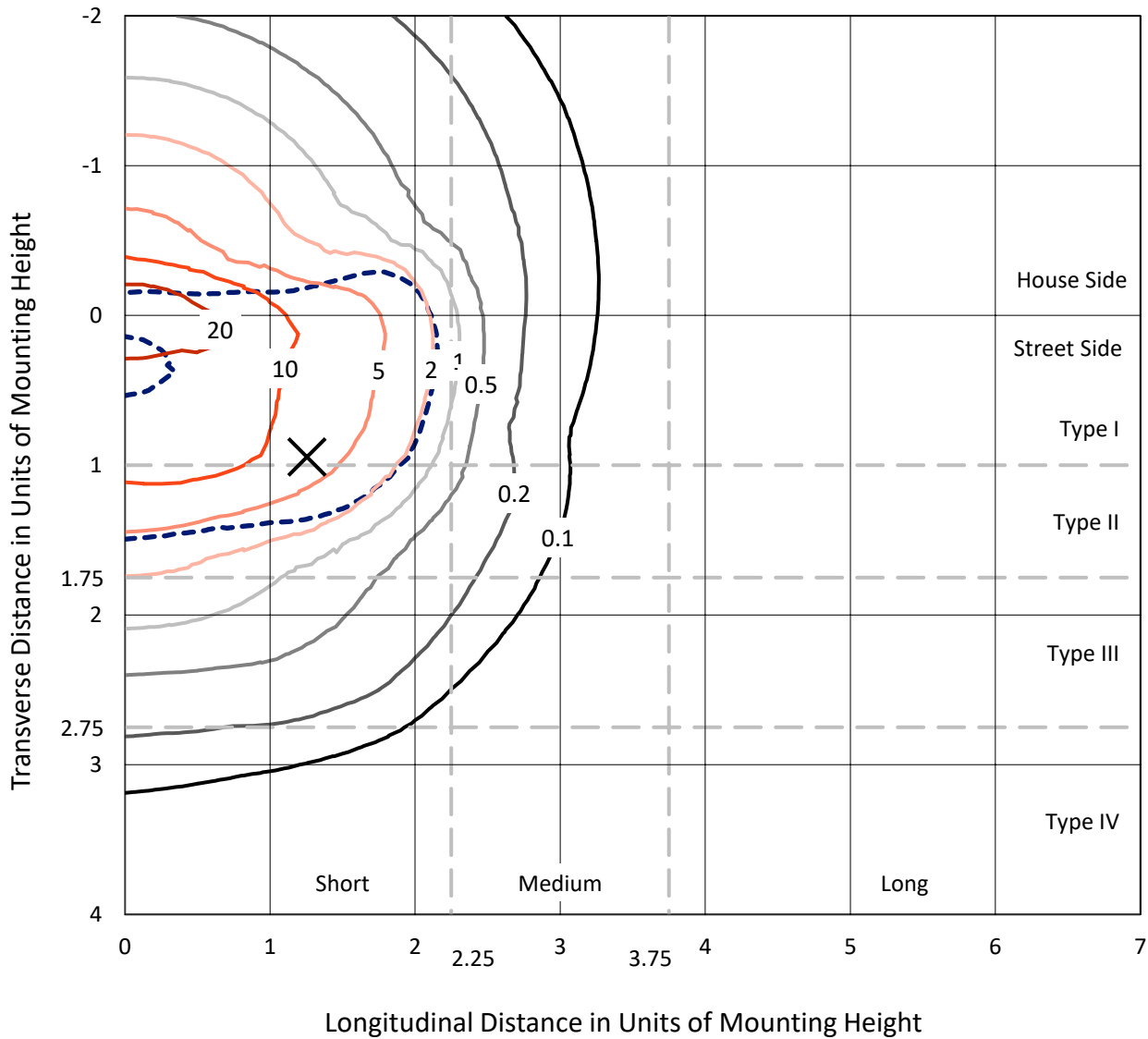
Lumens per Lamp: N/A  
Luminaire Lumens: 8937.9 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

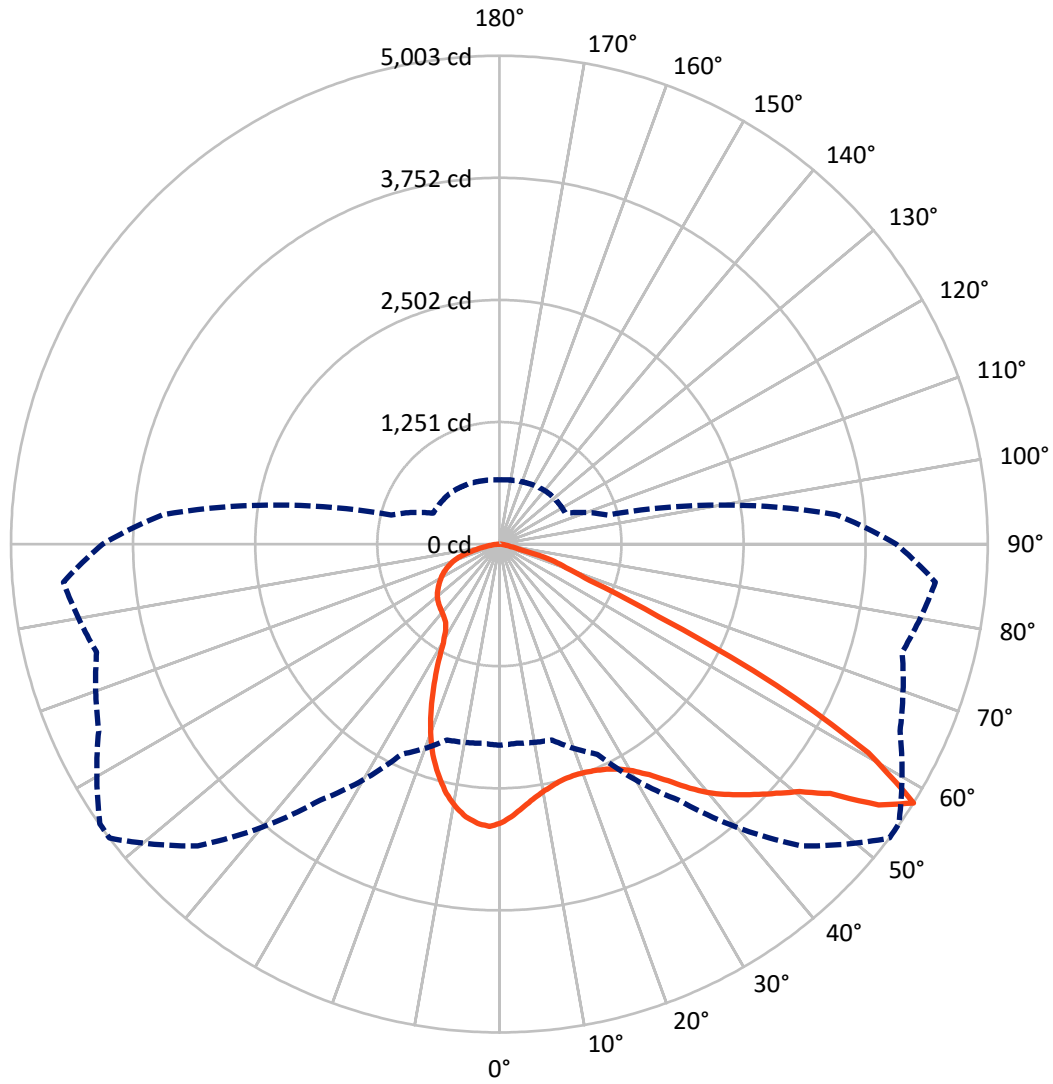
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.5 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    | 2794.6   | 0.0    | 2794.6 |
|                    | % Fixture | 31.3     | 0.0    | 31.3   |
| <b>Street Side</b> | Lumens    | 6143.4   | 0.0    | 6143.4 |
|                    | % Fixture | 68.7     | 0.0    | 68.7   |
| <b>Total</b>       | Lumens    | 8937.9   | 0.0    | 8937.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 258.1  | 2.9       |
| 10°-20°   | 677.1  | 7.6       |
| 20°-30°   | 997.7  | 11.2      |
| 30°-40°   | 1396.4 | 15.6      |
| 40°-50°   | 1835.7 | 20.5      |
| 50°-60°   | 2152.4 | 24.1      |
| 60°-70°   | 1268.0 | 14.2      |
| 70°-80°   | 315.4  | 3.5       |
| 80°-90°   | 37.0   | 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°    | 8937.9 | 100.0     |
| 0°-180°   | 8937.9 | 100.0     |

**Coefficient of Utilization**



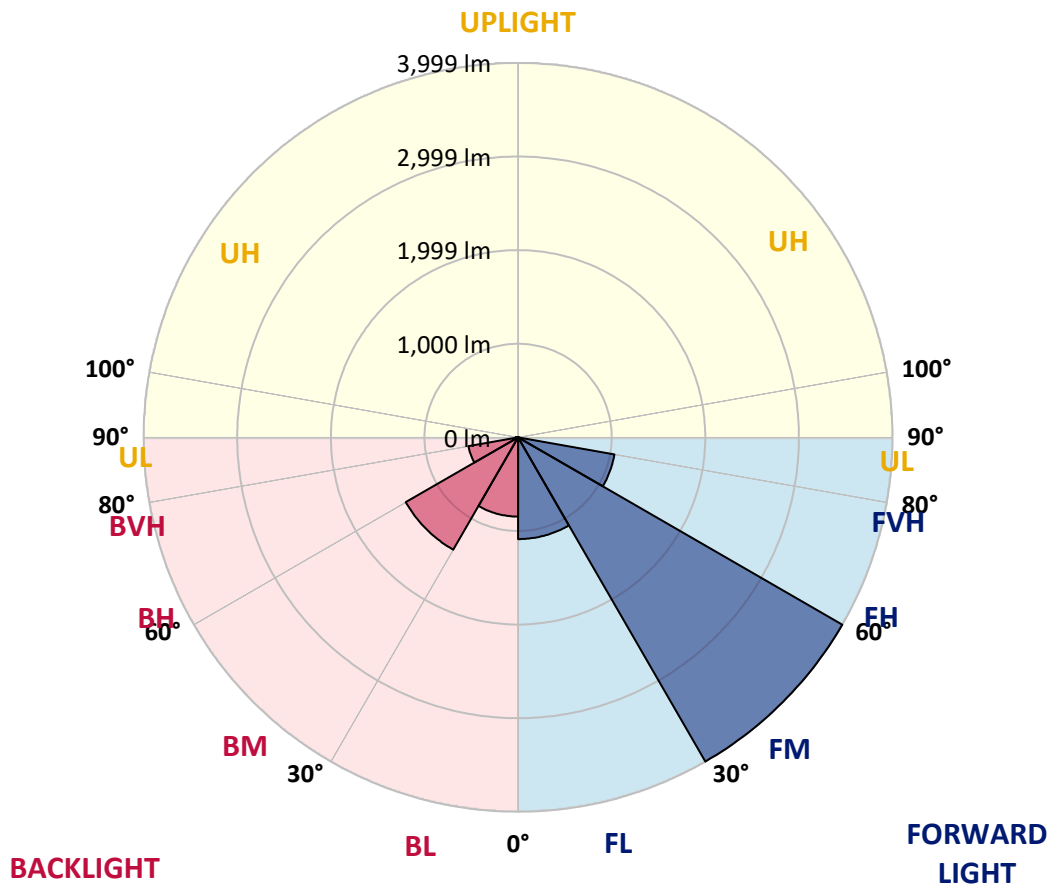
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1086.7 | 12.2      |                         |      |         |
| FM (30°-60°)   | 3998.9 | 44.7      |                         |      |         |
| FH (60°-80°)   | 1045.4 | 11.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 12.4   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 846.2  | 9.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 1385.7 | 15.5      | B2/2500                 |      |         |
| BH (60°-80°)   | 538.0  | 6.0       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 24.6   | 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°    | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 |
| 2.5°  | 2690.1 | 2697.6 | 2699.1 | 2722.5 | 2724.0 | 2757.8 | 2780.4 | 2775.9 | 2799.2 | 2827.8 | 2850.4 |
| 5°    | 2561.5 | 2562.2 | 2569.8 | 2597.6 | 2612.6 | 2657.0 | 2694.6 | 2694.6 | 2739.8 | 2798.4 | 2848.8 |
| 7.5°  | 2455.4 | 2454.7 | 2461.4 | 2492.3 | 2517.1 | 2570.5 | 2621.7 | 2627.7 | 2690.9 | 2776.6 | 2858.6 |
| 10°   | 2356.9 | 2362.1 | 2369.7 | 2407.3 | 2438.9 | 2505.1 | 2566.0 | 2575.8 | 2655.5 | 2761.6 | 2872.2 |
| 12.5° | 2293.7 | 2294.4 | 2305.7 | 2347.8 | 2388.5 | 2459.2 | 2523.1 | 2535.2 | 2626.9 | 2747.3 | 2881.9 |
| 15°   | 2253.0 | 2253.8 | 2265.8 | 2312.5 | 2359.9 | 2431.3 | 2496.8 | 2510.3 | 2610.4 | 2745.0 | 2900.8 |
| 17.5° | 2235.0 | 2234.2 | 2245.5 | 2292.2 | 2344.1 | 2418.5 | 2488.5 | 2505.1 | 2617.9 | 2762.3 | 2933.9 |
| 20°   | 2235.0 | 2235.7 | 2241.8 | 2283.9 | 2336.6 | 2415.5 | 2496.8 | 2517.1 | 2647.2 | 2801.5 | 2985.0 |
| 22.5° | 2266.6 | 2269.6 | 2272.6 | 2301.2 | 2342.6 | 2420.1 | 2518.6 | 2545.7 | 2710.4 | 2866.9 | 3052.0 |
| 25°   | 2328.3 | 2329.0 | 2332.0 | 2355.4 | 2374.2 | 2432.8 | 2554.7 | 2595.3 | 2809.0 | 2962.4 | 3136.2 |
| 27.5° | 2411.0 | 2421.6 | 2424.6 | 2439.6 | 2439.6 | 2464.4 | 2611.1 | 2669.8 | 2942.1 | 3100.1 | 3243.8 |
| 30°   | 2526.9 | 2530.6 | 2535.9 | 2552.5 | 2534.4 | 2523.9 | 2693.9 | 2769.1 | 3096.3 | 3266.4 | 3373.2 |
| 32.5° | 2628.4 | 2636.7 | 2665.3 | 2692.4 | 2660.0 | 2626.9 | 2815.7 | 2904.5 | 3244.5 | 3439.4 | 3510.8 |
| 35°   | 2714.9 | 2735.3 | 2790.2 | 2850.4 | 2827.8 | 2794.7 | 2977.5 | 3070.0 | 3366.4 | 3563.5 | 3632.7 |
| 37.5° | 2819.5 | 2835.3 | 2910.5 | 3008.3 | 3028.6 | 3012.8 | 3174.6 | 3240.8 | 3447.7 | 3595.1 | 3698.9 |
| 40°   | 2925.6 | 2949.7 | 3046.7 | 3182.1 | 3259.6 | 3270.9 | 3356.6 | 3401.0 | 3475.5 | 3533.4 | 3686.1 |
| 42.5° | 3033.9 | 3075.3 | 3208.4 | 3366.4 | 3504.1 | 3529.7 | 3510.1 | 3528.9 | 3466.5 | 3448.4 | 3626.7 |
| 45°   | 3166.3 | 3215.2 | 3365.7 | 3567.3 | 3748.6 | 3788.4 | 3660.5 | 3643.2 | 3465.0 | 3416.1 | 3589.8 |
| 47.5° | 3322.8 | 3371.7 | 3515.4 | 3750.1 | 3981.8 | 4011.1 | 3814.8 | 3783.2 | 3517.6 | 3465.7 | 3639.5 |
| 50°   | 3461.2 | 3495.0 | 3623.7 | 3886.2 | 4199.2 | 4216.5 | 3984.8 | 3946.4 | 3648.5 | 3603.4 | 3794.5 |
| 52.5° | 3320.5 | 3316.8 | 3452.2 | 3775.6 | 4312.0 | 4520.4 | 4246.6 | 4209.7 | 3901.3 | 3832.1 | 4034.4 |
| 55°   | 2817.3 | 2774.4 | 2895.5 | 3213.7 | 3996.8 | 4790.5 | 4716.0 | 4642.3 | 4238.3 | 4062.3 | 4259.4 |
| 57.5° | 2059.7 | 2047.7 | 2077.0 | 2375.7 | 3201.7 | 4372.2 | 5003.3 | 4996.6 | 4529.4 | 4272.9 | 4483.5 |
| 60°   | 1610.6 | 1592.6 | 1514.3 | 1522.6 | 2182.3 | 3415.3 | 4342.1 | 4541.5 | 4710.0 | 4399.3 | 4640.0 |
| 62.5° | 1430.1 | 1416.5 | 1375.9 | 1263.8 | 1299.9 | 2289.9 | 3182.9 | 3365.7 | 4115.7 | 3885.5 | 3985.5 |
| 65°   | 1184.1 | 1180.3 | 1214.2 | 1209.7 | 1089.3 | 1264.6 | 1796.4 | 1980.7 | 2587.8 | 2620.2 | 2587.8 |
| 67.5° | 860.6  | 853.8  | 939.6  | 1108.8 | 1048.7 | 954.6  | 1001.3 | 1065.2 | 1327.0 | 1191.6 | 1072.7 |
| 70°   | 559.7  | 549.9  | 599.6  | 801.2  | 938.8  | 832.0  | 721.4  | 710.9  | 729.7  | 453.6  | 490.5  |
| 72.5° | 375.4  | 364.1  | 363.3  | 440.8  | 567.2  | 560.4  | 558.9  | 553.7  | 494.2  | 358.1  | 397.2  |
| 75°   | 209.1  | 200.1  | 197.8  | 190.3  | 203.1  | 206.9  | 220.4  | 227.9  | 246.7  | 271.6  | 300.9  |
| 77.5° | 35.4   | 34.6   | 43.6   | 55.7   | 76.7   | 98.5   | 121.9  | 128.6  | 158.7  | 188.1  | 206.9  |
| 80°   | 19.6   | 20.3   | 26.3   | 32.3   | 42.9   | 58.7   | 75.2   | 79.7   | 97.8   | 113.6  | 128.6  |
| 82.5° | 10.5   | 10.5   | 13.5   | 17.3   | 23.3   | 30.8   | 40.6   | 44.4   | 56.4   | 66.2   | 76.7   |
| 85°   | 3.8    | 3.8    | 5.3    | 6.8    | 9.8    | 12.8   | 15.8   | 18.1   | 24.8   | 33.9   | 38.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 1.5    | 3.0    | 3.0    | 3.8    | 6.8    | 9.8    |
| 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°    | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 | 2854.1 |
| 2.5°  | 2869.2 | 2848.8 | 2876.7 | 2889.5 | 2894.0 | 2897.0 | 2877.4 | 2863.9 | 2859.4 | 2845.1 | 2836.8 |
| 5°    | 2879.7 | 2866.1 | 2892.5 | 2892.5 | 2873.7 | 2854.1 | 2814.2 | 2786.4 | 2766.8 | 2743.5 | 2739.8 |
| 7.5°  | 2897.7 | 2888.0 | 2902.3 | 2872.9 | 2825.5 | 2772.9 | 2703.7 | 2649.5 | 2605.9 | 2577.3 | 2578.0 |
| 10°   | 2921.8 | 2909.8 | 2898.5 | 2833.0 | 2746.5 | 2649.5 | 2543.4 | 2464.4 | 2392.2 | 2359.1 | 2341.1 |
| 12.5° | 2937.6 | 2920.3 | 2872.9 | 2764.6 | 2637.5 | 2507.3 | 2357.6 | 2240.3 | 2135.7 | 2088.3 | 2084.5 |
| 15°   | 2957.2 | 2925.6 | 2830.8 | 2675.8 | 2499.0 | 2321.5 | 2128.9 | 1965.7 | 1824.3 | 1750.5 | 1746.8 |
| 17.5° | 2982.8 | 2930.8 | 2780.4 | 2574.3 | 2353.1 | 2091.3 | 1849.1 | 1643.7 | 1493.3 | 1436.1 | 1445.9 |
| 20°   | 3018.9 | 2936.9 | 2723.2 | 2461.4 | 2171.8 | 1829.5 | 1527.9 | 1339.0 | 1281.1 | 1277.4 | 1269.8 |
| 22.5° | 3059.5 | 2940.6 | 2660.0 | 2335.0 | 1952.1 | 1550.4 | 1262.3 | 1181.8 | 1181.1 | 1199.9 | 1204.4 |
| 25°   | 3105.4 | 2943.6 | 2588.6 | 2187.6 | 1714.4 | 1272.1 | 1116.4 | 1092.3 | 1111.1 | 1146.5 | 1151.0 |
| 27.5° | 3164.0 | 2949.7 | 2502.1 | 2025.9 | 1461.7 | 1099.1 | 1035.9 | 1029.9 | 1052.4 | 1085.5 | 1084.0 |
| 30°   | 3250.6 | 2971.5 | 2410.3 | 1840.1 | 1202.1 | 1017.1 | 987.0  | 987.7  | 996.8  | 1012.6 | 1014.8 |
| 32.5° | 3338.6 | 3005.3 | 2320.8 | 1630.9 | 1053.2 | 970.4  | 956.9  | 955.4  | 955.4  | 962.2  | 963.7  |
| 35°   | 3422.1 | 3043.7 | 2223.7 | 1412.8 | 981.0  | 943.3  | 934.3  | 929.8  | 927.5  | 926.0  | 923.8  |
| 37.5° | 3468.7 | 3062.5 | 2128.9 | 1197.6 | 942.6  | 925.3  | 916.3  | 910.2  | 902.0  | 896.0  | 894.4  |
| 40°   | 3448.4 | 3040.7 | 2019.1 | 1036.6 | 919.3  | 908.0  | 897.5  | 889.2  | 877.9  | 872.6  | 869.6  |
| 42.5° | 3380.7 | 2973.0 | 1899.5 | 960.6  | 900.5  | 889.2  | 876.4  | 862.9  | 855.3  | 850.8  | 850.1  |
| 45°   | 3309.2 | 2891.0 | 1755.0 | 916.3  | 882.4  | 868.9  | 853.8  | 838.8  | 830.5  | 828.2  | 827.5  |
| 47.5° | 3307.0 | 2850.4 | 1601.6 | 880.9  | 860.6  | 847.1  | 828.2  | 813.2  | 804.2  | 801.2  | 798.2  |
| 50°   | 3406.3 | 2891.7 | 1428.6 | 850.1  | 838.0  | 823.7  | 802.7  | 786.1  | 774.8  | 771.1  | 770.3  |
| 52.5° | 3612.4 | 3047.4 | 1273.6 | 819.2  | 807.9  | 791.4  | 774.1  | 757.5  | 744.0  | 737.2  | 736.5  |
| 55°   | 3835.1 | 3245.3 | 1177.3 | 787.6  | 772.6  | 758.3  | 742.5  | 724.4  | 709.4  | 698.9  | 697.4  |
| 57.5° | 4065.3 | 3461.2 | 1148.0 | 747.8  | 736.5  | 726.7  | 707.9  | 688.3  | 671.0  | 661.2  | 659.0  |
| 60°   | 4254.8 | 3647.0 | 1202.9 | 705.6  | 699.6  | 686.8  | 669.5  | 650.7  | 638.7  | 631.2  | 629.7  |
| 62.5° | 3562.0 | 2969.2 | 971.2  | 659.7  | 659.7  | 646.2  | 626.6  | 613.1  | 604.8  | 599.6  | 598.1  |
| 65°   | 2260.6 | 1838.5 | 662.8  | 613.9  | 613.1  | 595.0  | 578.5  | 569.5  | 565.7  | 557.4  | 555.9  |
| 67.5° | 984.7  | 840.3  | 566.5  | 567.2  | 564.2  | 544.6  | 528.1  | 521.3  | 513.8  | 504.8  | 504.0  |
| 70°   | 510.8  | 520.6  | 507.0  | 515.3  | 510.0  | 486.7  | 470.9  | 460.4  | 444.6  | 435.6  | 436.3  |
| 72.5° | 412.2  | 422.8  | 437.8  | 450.6  | 439.3  | 420.5  | 395.7  | 382.9  | 362.6  | 352.8  | 353.6  |
| 75°   | 314.4  | 325.7  | 340.0  | 353.6  | 344.5  | 321.2  | 305.4  | 292.6  | 269.3  | 258.0  | 260.3  |
| 77.5° | 216.7  | 222.7  | 240.0  | 239.2  | 236.2  | 229.4  | 206.1  | 191.1  | 167.0  | 153.5  | 155.0  |
| 80°   | 134.7  | 138.4  | 146.7  | 150.5  | 148.9  | 139.9  | 121.1  | 109.8  | 95.5   | 87.3   | 88.0   |
| 82.5° | 81.2   | 83.5   | 91.0   | 91.8   | 91.0   | 84.3   | 70.0   | 61.7   | 52.7   | 48.1   | 48.1   |
| 85°   | 41.4   | 42.9   | 47.4   | 47.4   | 42.9   | 36.1   | 32.3   | 28.6   | 23.3   | 21.1   | 21.1   |
| 87.5° | 11.3   | 11.3   | 14.3   | 12.0   | 9.8    | 9.0    | 4.5    | 3.8    | 1.5    | 0.8    | 0.8    |
| 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)