

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: P634406

Luminaire Tested: GWS-SA3B-760-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634406  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

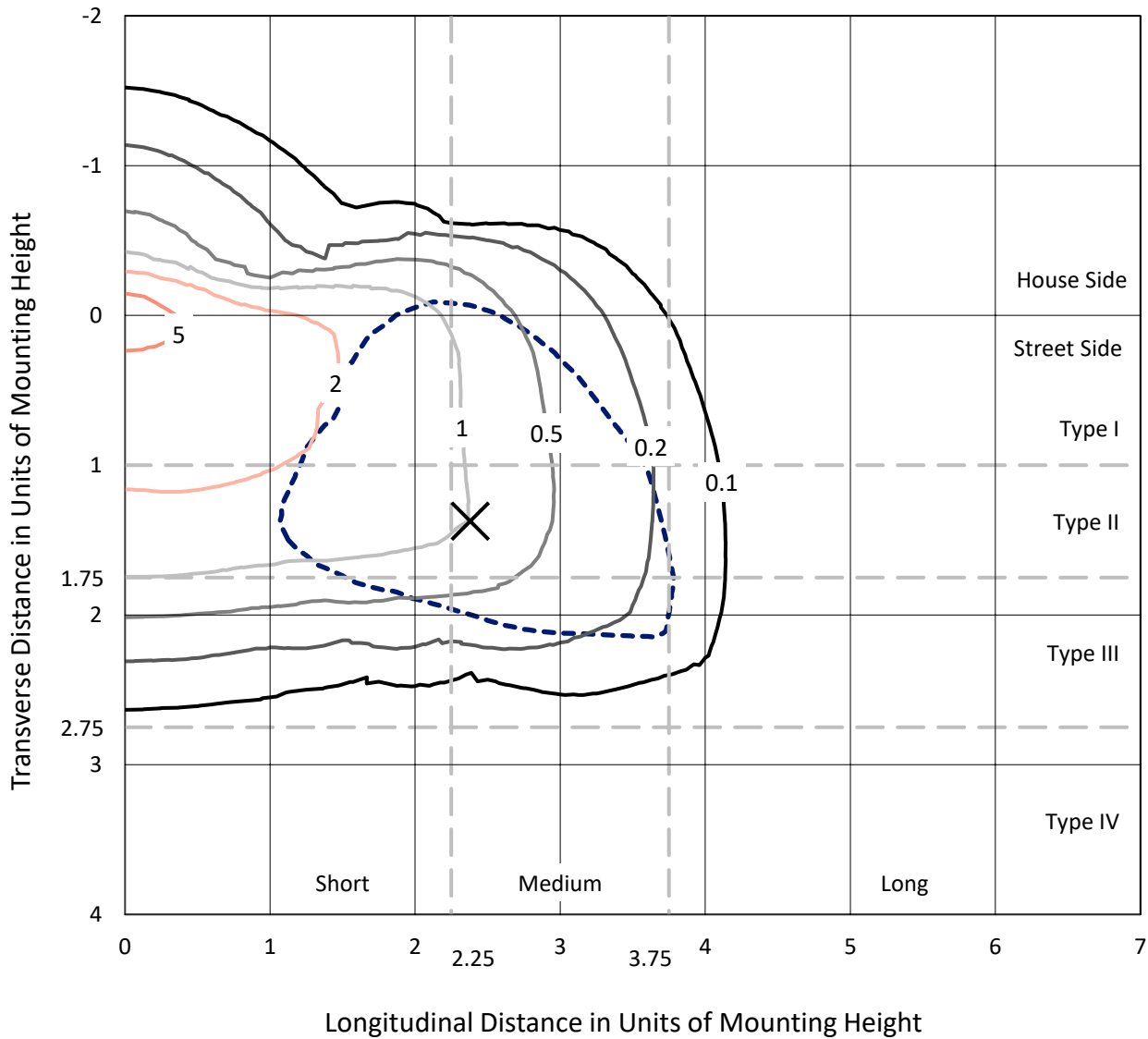
Lumens per Lamp: N/A  
Luminaire Lumens: 10282.2 lumens  
Efficiency: N/A  
Efficacy: 150.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

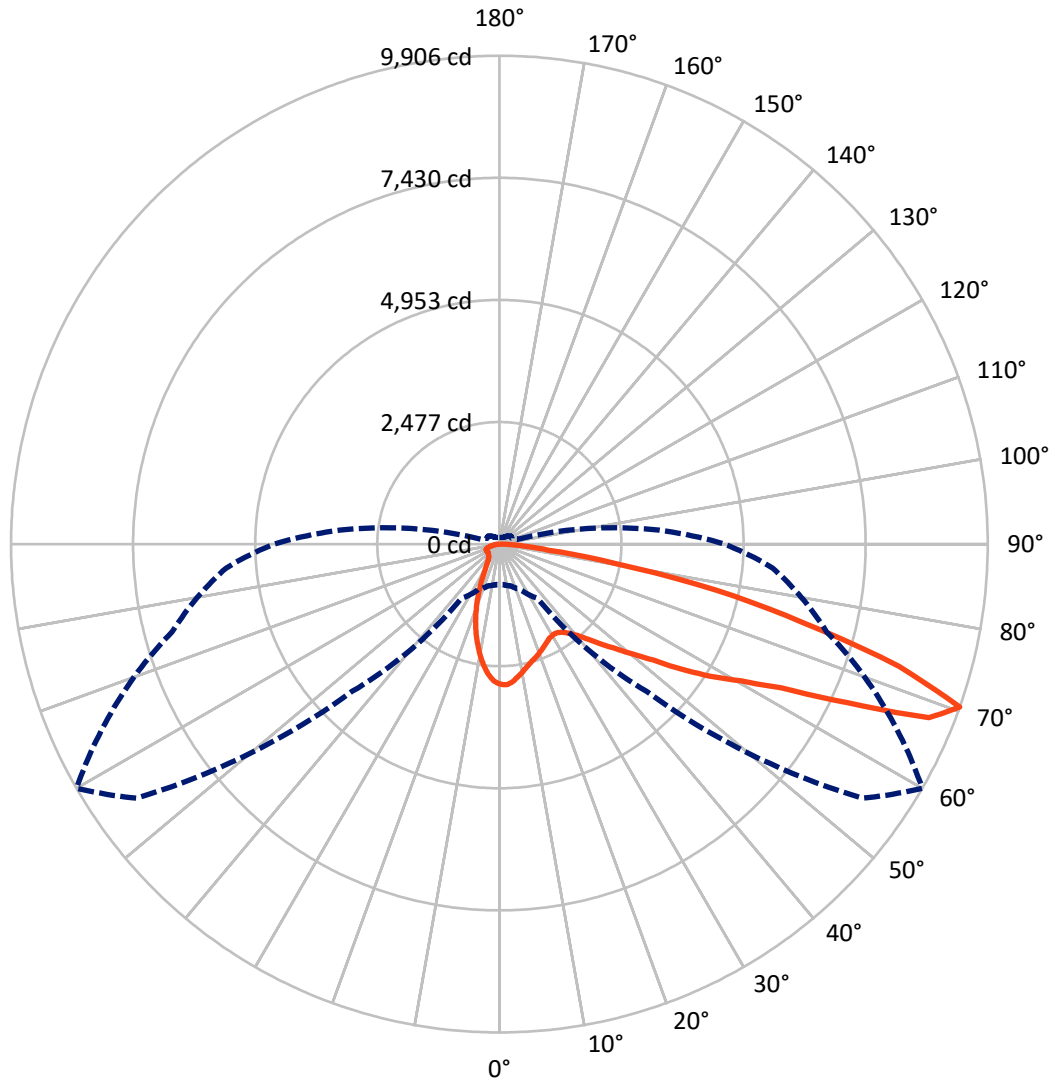
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1758.5   | 0.0    | 1758.5  |
|                    | % Fixture | 17.1     | 0.0    | 17.1    |
| <b>Street Side</b> | Lumens    | 8523.7   | 0.0    | 8523.7  |
|                    | % Fixture | 82.9     | 0.0    | 82.9    |
| <b>Total</b>       | Lumens    | 10282.2  | 0.0    | 10282.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 245.2   | 2.4       |
| 10°-20°   | 549.4   | 5.3       |
| 20°-30°   | 703.6   | 6.8       |
| 30°-40°   | 924.7   | 9.0       |
| 40°-50°   | 1341.7  | 13.0      |
| 50°-60°   | 2093.3  | 20.4      |
| 60°-70°   | 2740.6  | 26.7      |
| 70°-80°   | 1515.4  | 14.7      |
| 80°-90°   | 168.2   | 1.6       |
| 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°    | 10282.2 | 100.0     |
| 0°-180°   | 10282.2 | 100.0     |

**Coefficient of Utilization**



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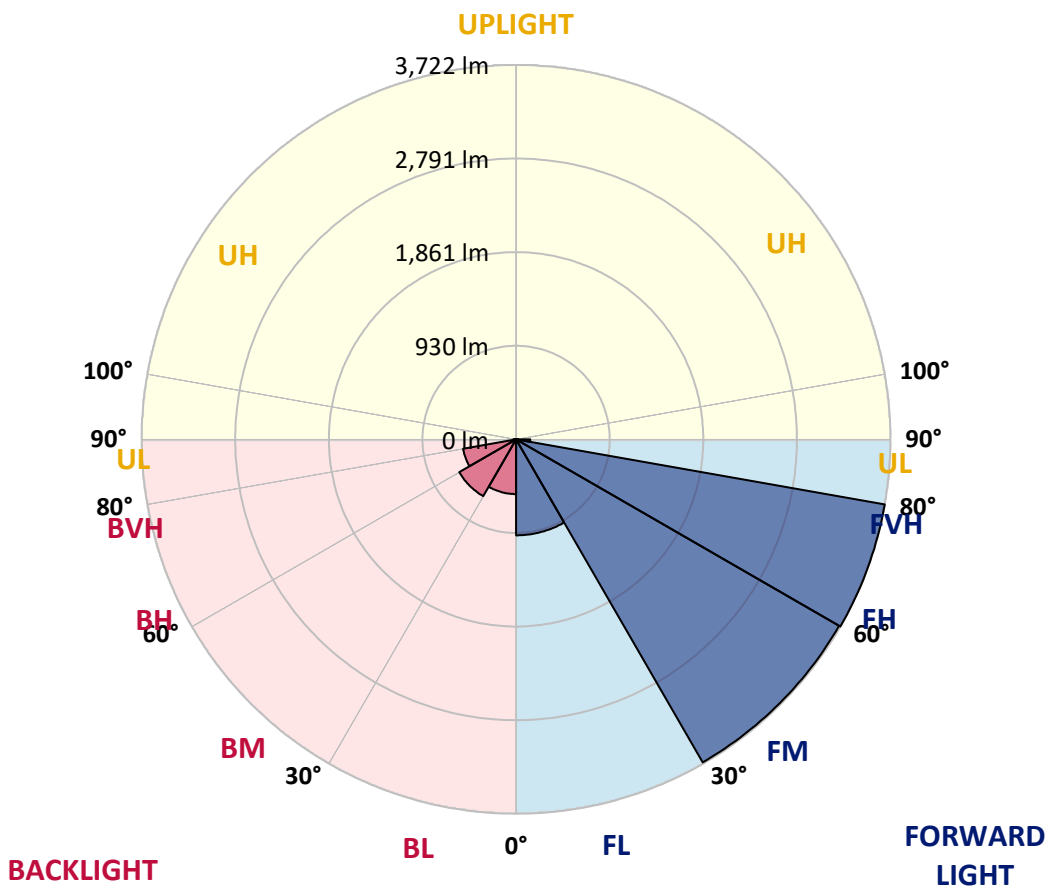
CATALOG NUMBER: GWS-SA3B-760-U-SL3-W

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 954.3  | 9.3       |                         |      |         |
| FM (30°-60°)   | 3707.7 | 36.1      |                         |      |         |
| FH (60°-80°)   | 3721.6 | 36.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 140.1  | 1.4       |                         |      | G2/225  |
| BL (0°-30°)    | 544.1  | 5.3       | B2/1000                 |      |         |
| BM (30°-60°)   | 652.0  | 6.3       | B1/1000                 |      |         |
| BH (60°-80°)   | 534.4  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 28.0   | 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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 |
| 2.5°  | 2805.3 | 2808.4 | 2816.6 | 2828.7 | 2840.7 | 2846.7 | 2861.8 | 2857.3 | 2854.2 | 2848.2 | 2840.7 |
| 5°    | 2681.2 | 2687.2 | 2694.8 | 2718.1 | 2744.4 | 2765.5 | 2799.3 | 2803.1 | 2804.6 | 2807.6 | 2795.6 |
| 7.5°  | 2523.2 | 2524.7 | 2542.8 | 2573.6 | 2608.2 | 2644.4 | 2700.8 | 2716.6 | 2730.1 | 2745.2 | 2735.4 |
| 10°   | 2348.7 | 2352.5 | 2366.0 | 2410.4 | 2469.8 | 2523.2 | 2599.2 | 2625.5 | 2654.1 | 2687.2 | 2673.7 |
| 12.5° | 2205.8 | 2206.5 | 2228.3 | 2275.7 | 2340.4 | 2412.6 | 2507.4 | 2539.0 | 2576.6 | 2628.6 | 2616.5 |
| 15°   | 2092.2 | 2092.2 | 2112.5 | 2153.1 | 2227.6 | 2312.6 | 2425.4 | 2466.1 | 2517.2 | 2587.2 | 2566.1 |
| 17.5° | 2001.9 | 2002.6 | 2015.4 | 2058.3 | 2124.5 | 2218.5 | 2352.5 | 2407.4 | 2463.8 | 2556.3 | 2524.7 |
| 20°   | 1954.5 | 1950.7 | 1953.0 | 1979.3 | 2035.7 | 2126.8 | 2279.5 | 2343.4 | 2419.4 | 2535.3 | 2487.1 |
| 22.5° | 1952.2 | 1945.5 | 1935.7 | 1937.9 | 1971.0 | 2046.3 | 2201.2 | 2278.7 | 2374.3 | 2518.0 | 2448.8 |
| 25°   | 1990.6 | 1983.1 | 1965.8 | 1946.2 | 1943.2 | 1988.3 | 2127.5 | 2215.5 | 2327.6 | 2510.4 | 2411.9 |
| 27.5° | 2055.3 | 2050.0 | 2027.5 | 1998.1 | 1967.3 | 1965.8 | 2071.8 | 2163.6 | 2293.8 | 2518.0 | 2385.6 |
| 30°   | 2141.1 | 2132.0 | 2117.7 | 2080.1 | 2033.5 | 1985.3 | 2050.0 | 2135.8 | 2271.2 | 2542.0 | 2374.3 |
| 32.5° | 2238.1 | 2232.8 | 2219.3 | 2181.7 | 2132.0 | 2055.3 | 2067.3 | 2141.8 | 2271.2 | 2584.2 | 2376.5 |
| 35°   | 2341.2 | 2340.4 | 2340.4 | 2315.6 | 2260.7 | 2165.1 | 2135.8 | 2193.0 | 2305.8 | 2651.9 | 2400.6 |
| 37.5° | 2441.2 | 2440.5 | 2464.6 | 2473.6 | 2411.1 | 2308.1 | 2252.4 | 2295.3 | 2381.8 | 2751.9 | 2460.0 |
| 40°   | 2522.5 | 2525.5 | 2578.1 | 2623.3 | 2588.7 | 2493.1 | 2414.9 | 2436.7 | 2505.2 | 2894.1 | 2563.9 |
| 42.5° | 2604.5 | 2612.8 | 2691.7 | 2771.5 | 2785.0 | 2702.3 | 2623.3 | 2636.1 | 2682.0 | 3082.2 | 2718.8 |
| 45°   | 2694.0 | 2697.8 | 2808.4 | 2919.7 | 2985.1 | 2936.2 | 2871.5 | 2888.9 | 2899.4 | 3314.7 | 2949.8 |
| 47.5° | 2780.5 | 2790.3 | 2933.2 | 3086.0 | 3210.1 | 3205.6 | 3169.5 | 3164.2 | 3166.5 | 3597.5 | 3222.9 |
| 50°   | 2898.6 | 2912.9 | 3080.7 | 3265.0 | 3447.1 | 3530.6 | 3541.1 | 3501.2 | 3484.7 | 3912.0 | 3562.9 |
| 52.5° | 3122.8 | 3122.8 | 3273.3 | 3454.6 | 3699.1 | 3906.0 | 3976.7 | 3911.2 | 3858.6 | 4244.5 | 3924.0 |
| 55°   | 3403.4 | 3415.5 | 3535.1 | 3681.8 | 3991.7 | 4300.9 | 4540.2 | 4467.9 | 4319.0 | 4606.4 | 4302.4 |
| 57.5° | 3528.3 | 3543.4 | 3732.9 | 3960.9 | 4374.7 | 4750.1 | 5081.8 | 5056.2 | 4838.8 | 4982.5 | 4695.1 |
| 60°   | 3302.6 | 3334.2 | 3595.3 | 3977.4 | 4721.5 | 5474.5 | 5708.5 | 5634.0 | 5323.3 | 5377.5 | 5120.9 |
| 62.5° | 2754.9 | 2789.5 | 3079.2 | 3612.6 | 4673.3 | 6257.7 | 6696.3 | 6421.7 | 5928.2 | 5876.3 | 5688.2 |
| 65°   | 1643.8 | 1642.3 | 1990.6 | 2697.8 | 4079.8 | 6475.1 | 8259.6 | 7747.2 | 6862.5 | 6560.9 | 6272.0 |
| 67.5° | 1045.0 | 1042.7 | 1115.7 | 1429.4 | 2715.1 | 5942.5 | 9264.6 | 9397.8 | 8131.7 | 7064.1 | 6320.1 |
| 70°   | 824.5  | 823.8  | 876.4  | 1019.4 | 1342.9 | 4228.7 | 8984.8 | 9906.4 | 8898.3 | 6872.3 | 5564.8 |
| 72.5° | 601.1  | 602.6  | 683.8  | 853.9  | 1035.9 | 2123.0 | 7275.5 | 8476.2 | 8184.3 | 6066.6 | 4517.6 |
| 75°   | 431.8  | 434.1  | 483.0  | 653.8  | 955.4  | 1160.8 | 4838.1 | 6373.5 | 6226.8 | 4862.9 | 3107.8 |
| 77.5° | 274.6  | 277.6  | 320.5  | 458.2  | 771.9  | 937.4  | 2933.2 | 4499.5 | 4142.9 | 2739.9 | 1105.1 |
| 80°   | 167.8  | 177.5  | 213.7  | 341.5  | 616.9  | 703.4  | 1466.2 | 2370.5 | 2074.9 | 751.6  | 371.6  |
| 82.5° | 86.5   | 94.0   | 128.6  | 211.4  | 425.1  | 617.6  | 829.8  | 996.1  | 642.5  | 314.5  | 197.9  |
| 85°   | 27.1   | 31.6   | 45.1   | 85.8   | 202.4  | 382.9  | 549.2  | 495.0  | 294.9  | 148.2  | 91.8   |
| 87.5° | 6.8    | 6.8    | 7.5    | 7.5    | 8.3    | 17.3   | 106.1  | 112.1  | 78.2   | 46.6   | 37.6   |
| 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°    | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 | 2845.2 |
| 2.5°  | 2825.7 | 2807.6 | 2800.1 | 2799.3 | 2780.5 | 2753.4 | 2735.4 | 2722.6 | 2715.1 | 2713.6 | 2713.6 |
| 5°    | 2775.3 | 2751.9 | 2721.1 | 2697.8 | 2647.4 | 2596.2 | 2553.3 | 2529.2 | 2501.4 | 2497.7 | 2496.9 |
| 7.5°  | 2708.3 | 2674.4 | 2615.8 | 2550.3 | 2462.3 | 2377.3 | 2305.1 | 2256.2 | 2207.3 | 2198.2 | 2195.2 |
| 10°   | 2636.1 | 2590.2 | 2490.1 | 2375.0 | 2243.4 | 2116.2 | 2005.6 | 1919.1 | 1862.0 | 1821.3 | 1813.8 |
| 12.5° | 2564.6 | 2503.7 | 2357.0 | 2185.4 | 2004.9 | 1831.1 | 1664.9 | 1523.4 | 1421.1 | 1361.7 | 1351.1 |
| 15°   | 2497.7 | 2412.6 | 2211.8 | 1992.9 | 1758.1 | 1520.4 | 1284.9 | 1101.4 | 957.7  | 906.5  | 894.5  |
| 17.5° | 2436.7 | 2330.6 | 2071.1 | 1793.5 | 1500.8 | 1190.1 | 922.3  | 759.1  | 674.8  | 649.2  | 643.2  |
| 20°   | 2375.8 | 2246.4 | 1928.2 | 1583.6 | 1227.8 | 879.4  | 674.1  | 597.3  | 565.7  | 556.0  | 552.9  |
| 22.5° | 2310.3 | 2153.8 | 1772.4 | 1376.7 | 951.7  | 658.3  | 551.4  | 517.6  | 507.8  | 508.6  | 507.8  |
| 25°   | 2244.9 | 2059.8 | 1609.2 | 1151.8 | 708.7  | 534.1  | 481.5  | 468.7  | 470.9  | 477.7  | 479.2  |
| 27.5° | 2190.7 | 1976.3 | 1448.9 | 905.0  | 553.7  | 459.7  | 434.8  | 434.1  | 442.4  | 451.4  | 452.9  |
| 30°   | 2151.6 | 1901.8 | 1291.0 | 695.9  | 455.9  | 408.5  | 398.7  | 403.2  | 413.0  | 419.8  | 422.0  |
| 32.5° | 2123.8 | 1837.9 | 1122.4 | 546.9  | 399.5  | 372.4  | 367.9  | 372.4  | 378.4  | 385.2  | 386.7  |
| 35°   | 2114.0 | 1791.2 | 956.9  | 446.1  | 361.1  | 346.1  | 343.1  | 345.3  | 348.3  | 352.1  | 353.6  |
| 37.5° | 2135.8 | 1767.9 | 783.9  | 388.2  | 337.8  | 328.8  | 324.2  | 322.7  | 323.5  | 325.0  | 325.7  |
| 40°   | 2200.5 | 1778.4 | 642.5  | 354.3  | 322.7  | 314.5  | 306.9  | 303.9  | 303.2  | 304.7  | 303.9  |
| 42.5° | 2311.8 | 1822.8 | 540.2  | 334.8  | 310.7  | 298.7  | 290.4  | 287.4  | 287.4  | 291.1  | 291.1  |
| 45°   | 2475.1 | 1910.1 | 466.4  | 320.5  | 300.2  | 285.1  | 276.1  | 274.6  | 277.6  | 283.6  | 284.4  |
| 47.5° | 2714.3 | 2038.0 | 422.0  | 309.9  | 290.4  | 273.1  | 264.1  | 263.3  | 269.3  | 279.1  | 279.9  |
| 50°   | 2997.9 | 2222.3 | 398.0  | 302.4  | 283.6  | 263.3  | 254.3  | 255.0  | 261.8  | 272.3  | 274.6  |
| 52.5° | 3339.5 | 2473.6 | 399.5  | 299.4  | 279.9  | 257.3  | 248.3  | 246.8  | 253.5  | 264.1  | 266.3  |
| 55°   | 3692.3 | 2779.0 | 428.8  | 300.2  | 274.6  | 254.3  | 242.2  | 237.0  | 243.0  | 250.5  | 251.3  |
| 57.5° | 4080.5 | 3123.6 | 501.8  | 298.7  | 267.8  | 251.3  | 237.0  | 224.9  | 228.7  | 233.2  | 235.5  |
| 60°   | 4518.3 | 3529.1 | 659.0  | 301.7  | 264.8  | 244.5  | 226.4  | 210.6  | 209.9  | 212.9  | 213.7  |
| 62.5° | 5103.6 | 4080.5 | 835.8  | 306.9  | 271.6  | 236.2  | 210.6  | 194.1  | 191.1  | 192.6  | 193.3  |
| 65°   | 5551.3 | 4343.8 | 780.1  | 302.4  | 285.9  | 230.2  | 195.6  | 178.3  | 172.3  | 170.8  | 170.8  |
| 67.5° | 5369.2 | 3995.5 | 543.2  | 290.4  | 292.6  | 231.0  | 183.6  | 161.7  | 154.2  | 150.5  | 149.7  |
| 70°   | 4568.7 | 3245.4 | 377.7  | 278.4  | 285.1  | 229.5  | 170.8  | 148.2  | 138.4  | 133.2  | 132.4  |
| 72.5° | 3609.6 | 2478.1 | 305.4  | 254.3  | 258.8  | 206.9  | 152.0  | 133.2  | 124.9  | 118.1  | 118.1  |
| 75°   | 2323.1 | 1512.1 | 255.0  | 226.4  | 211.4  | 161.0  | 131.7  | 118.9  | 110.6  | 103.8  | 103.8  |
| 77.5° | 781.6  | 561.2  | 197.9  | 191.8  | 158.0  | 121.1  | 110.6  | 102.3  | 95.5   | 89.5   | 88.8   |
| 80°   | 317.5  | 266.3  | 145.2  | 145.2  | 110.6  | 92.5   | 86.5   | 82.8   | 78.2   | 70.7   | 70.7   |
| 82.5° | 184.3  | 161.7  | 101.6  | 88.0   | 73.7   | 63.9   | 60.2   | 56.4   | 56.4   | 51.2   | 51.2   |
| 85°   | 88.8   | 89.5   | 60.9   | 54.2   | 42.1   | 36.9   | 35.4   | 33.1   | 32.3   | 29.3   | 28.6   |
| 87.5° | 48.1   | 48.9   | 30.8   | 24.1   | 16.6   | 14.3   | 12.0   | 11.3   | 10.5   | 9.8    | 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    |

(END OF REPORT)