

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: P641846

Luminaire Tested: GWS-SA6B-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21193.2 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

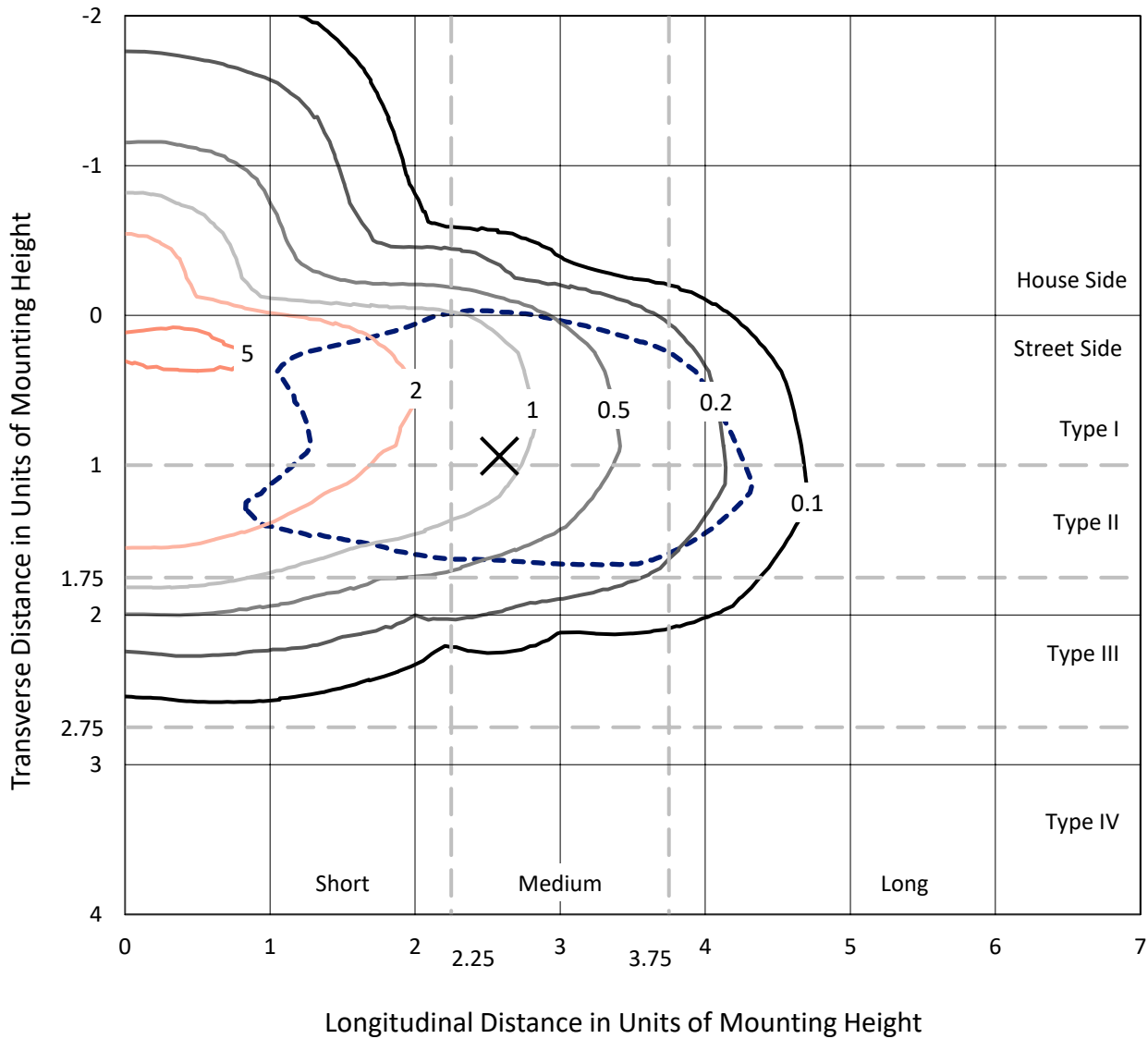
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

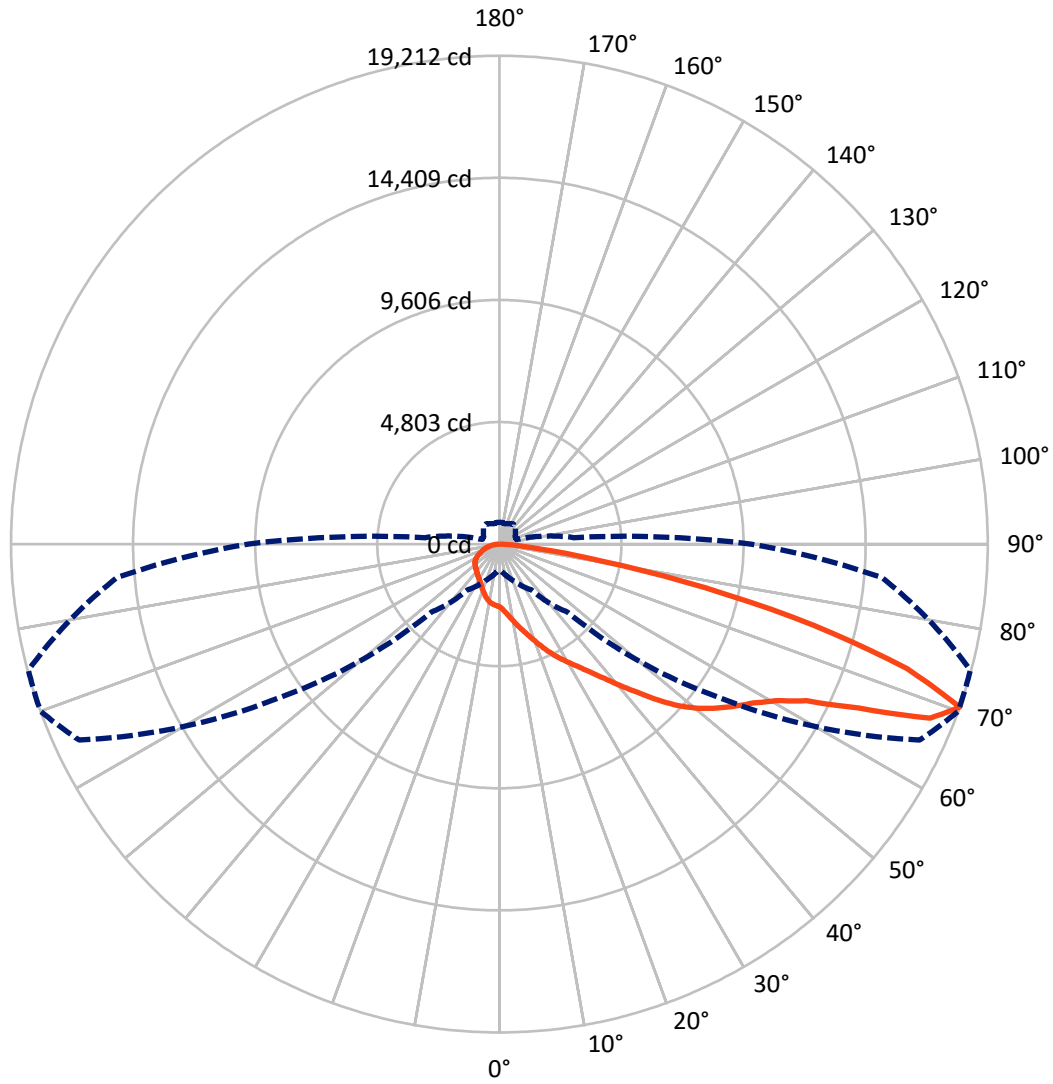
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3797.9 | 0.0 | 3797.9 |
| | % Fixture | 17.9 | 0.0 | 17.9 |
| Street Side | Lumens | 17395.3 | 0.0 | 17395.3 |
| | % Fixture | 82.1 | 0.0 | 82.1 |
| Total | Lumens | 21193.2 | 0.0 | 21193.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 251.2 | 1.2 |
| 10°-20° | 817.2 | 3.9 |
| 20°-30° | 1447.7 | 6.8 |
| 30°-40° | 2178.8 | 10.3 |
| 40°-50° | 3296.2 | 15.6 |
| 50°-60° | 4722.0 | 22.3 |
| 60°-70° | 5219.6 | 24.6 |
| 70°-80° | 2945.6 | 13.9 |
| 80°-90° | 315.1 | 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° | 21193.2 | 100.0 |
| 0°-180° | 21193.2 | 100.0 |

Coefficient of Utilization



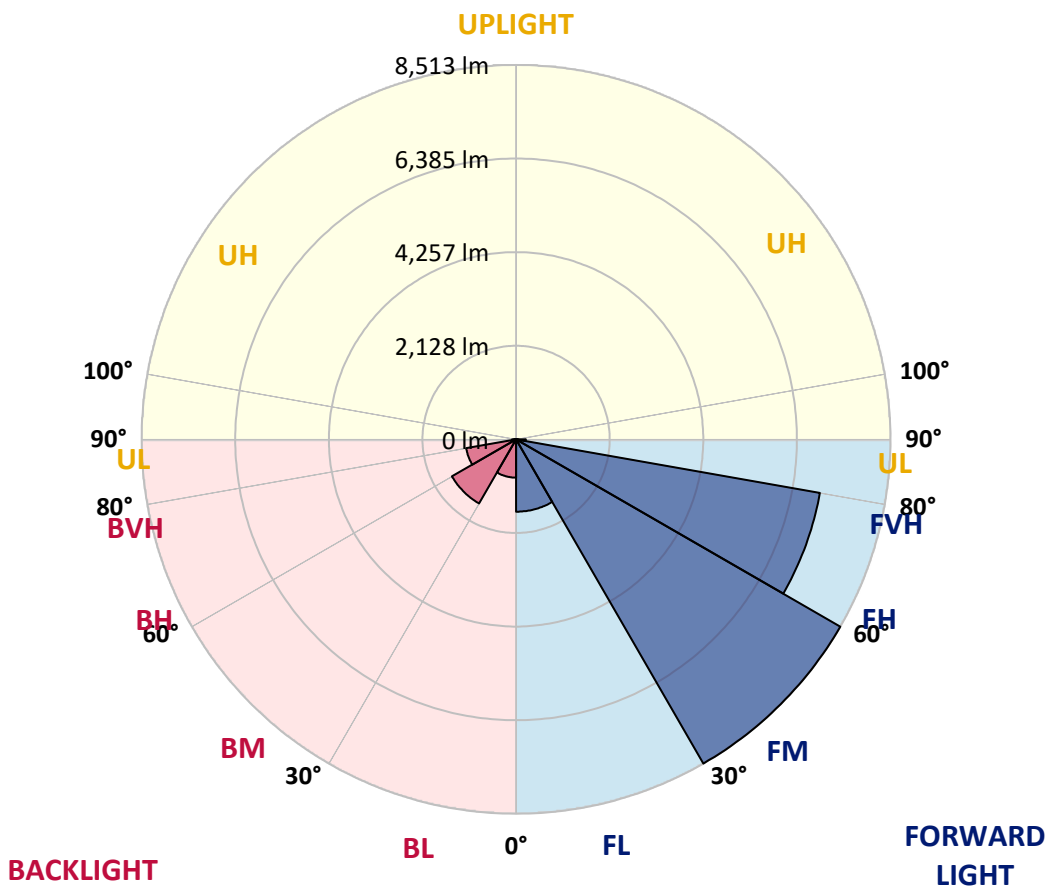
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1645.2 | 7.8 | | | |
| FM (30°-60°) | 8513.3 | 40.2 | | | |
| FH (60°-80°) | 7014.1 | 33.1 | | | G3/7500 |
| FVH (80°-90°) | 222.7 | 1.1 | | | G2/225 |
| BL (0°-30°) | 870.8 | 4.1 | B2/1000 | | |
| BM (30°-60°) | 1683.6 | 7.9 | B2/2500 | | |
| BH (60°-80°) | 1151.1 | 5.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 92.3 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 |
| 2.5° | 2738.0 | 2733.4 | 2736.5 | 2733.4 | 2716.6 | 2675.2 | 2641.5 | 2598.7 | 2569.6 | 2552.7 | 2512.9 |
| 5° | 3059.6 | 3055.0 | 3044.3 | 3029.0 | 2998.3 | 2941.7 | 2857.5 | 2764.0 | 2707.4 | 2664.5 | 2580.3 |
| 7.5° | 3290.8 | 3290.8 | 3289.3 | 3270.9 | 3249.5 | 3189.8 | 3090.2 | 2967.7 | 2885.0 | 2811.5 | 2673.7 |
| 10° | 3408.7 | 3416.4 | 3427.1 | 3453.1 | 3448.6 | 3416.4 | 3323.0 | 3191.3 | 3087.2 | 3001.4 | 2796.2 |
| 12.5° | 3473.1 | 3477.6 | 3496.0 | 3549.6 | 3604.7 | 3612.4 | 3557.3 | 3419.5 | 3306.1 | 3191.3 | 2932.5 |
| 15° | 3555.7 | 3557.3 | 3581.8 | 3646.1 | 3727.3 | 3808.4 | 3794.6 | 3656.8 | 3540.4 | 3413.3 | 3084.1 |
| 17.5° | 3620.1 | 3630.8 | 3675.2 | 3750.2 | 3851.3 | 3963.1 | 4030.5 | 3944.7 | 3800.8 | 3655.3 | 3249.5 |
| 20° | 3643.0 | 3650.7 | 3708.9 | 3823.7 | 3961.5 | 4119.3 | 4269.3 | 4246.4 | 4100.9 | 3929.4 | 3436.3 |
| 22.5° | 3725.7 | 3725.7 | 3768.6 | 3865.1 | 4027.4 | 4257.1 | 4500.6 | 4560.3 | 4431.7 | 4231.1 | 3636.9 |
| 25° | 3908.0 | 3901.8 | 3921.7 | 3961.5 | 4084.1 | 4367.4 | 4728.7 | 4907.9 | 4764.0 | 4538.9 | 3837.5 |
| 27.5° | 4157.6 | 4154.5 | 4153.0 | 4159.1 | 4200.4 | 4463.8 | 4921.7 | 5232.6 | 5088.6 | 4834.4 | 4016.7 |
| 30° | 4428.6 | 4419.4 | 4439.3 | 4420.9 | 4411.8 | 4578.7 | 5085.5 | 5523.5 | 5411.7 | 5126.9 | 4165.2 |
| 32.5° | 4797.7 | 4780.8 | 4776.2 | 4716.5 | 4679.7 | 4757.8 | 5217.2 | 5854.3 | 5765.5 | 5442.3 | 4332.1 |
| 35° | 5284.6 | 5269.3 | 5191.2 | 5096.3 | 4987.5 | 5024.3 | 5381.1 | 6177.4 | 6183.5 | 5837.4 | 4551.1 |
| 37.5° | 5776.2 | 5779.2 | 5718.0 | 5494.4 | 5382.6 | 5361.2 | 5630.7 | 6570.9 | 6702.6 | 6309.1 | 4834.4 |
| 40° | 6185.0 | 6203.4 | 6203.4 | 5967.6 | 5800.7 | 5780.8 | 5981.4 | 7038.0 | 7299.8 | 6887.9 | 5192.7 |
| 42.5° | 6495.9 | 6512.7 | 6566.3 | 6396.4 | 6220.3 | 6289.2 | 6407.1 | 7506.6 | 7976.7 | 7603.1 | 5646.0 |
| 45° | 6837.4 | 6851.2 | 6880.3 | 6782.3 | 6679.7 | 6863.4 | 6889.5 | 8067.0 | 8751.5 | 8405.5 | 6172.8 |
| 47.5° | 7290.7 | 7278.4 | 7281.5 | 7209.5 | 7129.9 | 7426.9 | 7420.8 | 8538.7 | 9500.4 | 9284.5 | 6744.0 |
| 50° | 7854.2 | 7877.2 | 7855.7 | 7713.3 | 7619.9 | 7890.9 | 7926.2 | 9060.9 | 10158.8 | 10154.2 | 7319.8 |
| 52.5° | 8396.3 | 8405.5 | 8518.8 | 8524.9 | 8333.5 | 8276.8 | 8368.7 | 9587.7 | 10714.7 | 10950.5 | 7872.6 |
| 55° | 8423.8 | 8459.1 | 8799.0 | 9044.0 | 9353.4 | 8898.6 | 8815.9 | 10089.9 | 11252.2 | 11730.0 | 8446.8 |
| 57.5° | 7837.3 | 7894.0 | 8471.3 | 8999.6 | 9860.2 | 9965.9 | 9581.5 | 10739.2 | 11789.7 | 12497.2 | 9111.4 |
| 60° | 6584.7 | 6702.6 | 7486.7 | 8295.2 | 9632.1 | 10733.1 | 11148.1 | 11621.3 | 12495.6 | 13281.2 | 9918.4 |
| 62.5° | 4205.0 | 4251.0 | 5350.5 | 6704.2 | 8604.5 | 10658.1 | 12854.0 | 13175.6 | 13570.6 | 14302.6 | 11161.9 |
| 65° | 2105.6 | 2252.6 | 2897.3 | 4001.4 | 6204.9 | 9391.6 | 13716.1 | 16022.3 | 15538.4 | 16051.4 | 13177.1 |
| 67.5° | 1428.7 | 1476.2 | 1802.4 | 2404.2 | 3638.4 | 6653.6 | 13181.7 | 18420.4 | 18278.0 | 18362.2 | 15325.5 |
| 70° | 1053.6 | 1084.2 | 1341.4 | 1702.8 | 2200.5 | 3777.8 | 10494.2 | 18239.7 | 19212.1 | 19181.4 | 15100.4 |
| 72.5° | 768.7 | 784.0 | 978.5 | 1300.1 | 1630.9 | 1954.0 | 6408.6 | 14734.5 | 16771.1 | 17654.7 | 13206.2 |
| 75° | 558.9 | 577.3 | 679.9 | 972.4 | 1267.9 | 1218.9 | 3163.7 | 10642.7 | 12789.7 | 14489.4 | 10759.1 |
| 77.5° | 416.5 | 439.5 | 487.0 | 609.5 | 888.2 | 872.9 | 1367.5 | 6910.9 | 8272.2 | 9463.6 | 6535.7 |
| 80° | 300.1 | 304.7 | 332.3 | 390.5 | 563.5 | 511.5 | 650.8 | 3603.2 | 4131.5 | 4526.6 | 2561.9 |
| 82.5° | 182.2 | 186.8 | 222.0 | 240.4 | 349.1 | 321.6 | 338.4 | 1166.9 | 1672.2 | 1774.8 | 957.1 |
| 85° | 53.6 | 56.7 | 101.1 | 110.3 | 145.5 | 137.8 | 136.3 | 474.7 | 566.6 | 724.3 | 376.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 9.2 | 16.8 | 84.2 | 127.1 | 176.1 | 91.9 |
| 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° | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 | 2471.6 |
| 2.5° | 2497.6 | 2462.4 | 2444.0 | 2411.8 | 2388.9 | 2365.9 | 2342.9 | 2321.5 | 2312.3 | 2298.5 | 2301.6 |
| 5° | 2542.0 | 2486.9 | 2431.8 | 2369.0 | 2315.4 | 2271.0 | 2231.1 | 2195.9 | 2180.6 | 2166.8 | 2173.0 |
| 7.5° | 2609.4 | 2526.7 | 2421.0 | 2306.2 | 2222.0 | 2160.7 | 2119.4 | 2094.9 | 2087.2 | 2076.5 | 2076.5 |
| 10° | 2695.1 | 2571.1 | 2385.8 | 2222.0 | 2120.9 | 2071.9 | 2053.5 | 2052.0 | 2059.6 | 2061.2 | 2058.1 |
| 12.5° | 2790.1 | 2614.0 | 2333.7 | 2122.4 | 2036.7 | 2021.4 | 2035.1 | 2061.2 | 2087.2 | 2101.0 | 2097.9 |
| 15° | 2888.1 | 2641.5 | 2244.9 | 2027.5 | 1975.4 | 1995.3 | 2039.7 | 2091.8 | 2142.3 | 2168.4 | 2166.8 |
| 17.5° | 2980.0 | 2647.7 | 2130.1 | 1935.6 | 1921.8 | 1972.4 | 2048.9 | 2130.1 | 2199.0 | 2235.7 | 2237.3 |
| 20° | 3082.6 | 2636.9 | 2012.2 | 1852.9 | 1868.2 | 1950.9 | 2052.0 | 2150.0 | 2231.1 | 2267.9 | 2277.1 |
| 22.5° | 3176.0 | 2600.2 | 1897.3 | 1774.8 | 1822.3 | 1924.9 | 2027.5 | 2119.4 | 2191.3 | 2226.6 | 2238.8 |
| 25° | 3260.2 | 2529.8 | 1771.7 | 1709.0 | 1787.1 | 1888.1 | 1966.2 | 2030.5 | 2081.1 | 2102.5 | 2119.4 |
| 27.5° | 3306.1 | 2424.1 | 1676.8 | 1656.9 | 1753.4 | 1836.1 | 1878.9 | 1898.8 | 1915.7 | 1909.6 | 1921.8 |
| 30° | 3315.3 | 2292.4 | 1594.1 | 1615.6 | 1702.8 | 1764.1 | 1773.3 | 1753.4 | 1724.3 | 1676.8 | 1687.5 |
| 32.5° | 3306.1 | 2140.8 | 1525.2 | 1571.1 | 1646.2 | 1682.9 | 1670.7 | 1618.6 | 1548.2 | 1474.7 | 1479.3 |
| 35° | 3309.2 | 1987.7 | 1468.5 | 1522.1 | 1580.3 | 1600.2 | 1569.6 | 1497.6 | 1422.6 | 1355.2 | 1352.2 |
| 37.5° | 3342.9 | 1859.0 | 1421.1 | 1474.7 | 1516.0 | 1519.1 | 1485.4 | 1410.4 | 1372.1 | 1321.5 | 1315.4 |
| 40° | 3436.3 | 1764.1 | 1378.2 | 1427.2 | 1453.2 | 1451.7 | 1413.4 | 1359.8 | 1385.9 | 1369.0 | 1364.4 |
| 42.5° | 3589.4 | 1705.9 | 1343.0 | 1376.7 | 1395.0 | 1398.1 | 1367.5 | 1333.8 | 1390.4 | 1369.0 | 1361.4 |
| 45° | 3836.0 | 1702.8 | 1318.5 | 1326.1 | 1355.2 | 1376.7 | 1355.2 | 1316.9 | 1338.4 | 1234.3 | 1214.3 |
| 47.5° | 4128.5 | 1754.9 | 1300.1 | 1281.7 | 1332.3 | 1370.5 | 1336.9 | 1275.6 | 1231.2 | 1136.2 | 1122.5 |
| 50° | 4480.7 | 1860.6 | 1283.3 | 1234.3 | 1298.6 | 1347.6 | 1313.9 | 1229.7 | 1162.3 | 1111.7 | 1104.1 |
| 52.5° | 4898.7 | 1999.9 | 1261.8 | 1180.7 | 1248.0 | 1335.3 | 1313.9 | 1225.1 | 1136.2 | 1090.3 | 1082.7 |
| 55° | 5336.7 | 2160.7 | 1237.3 | 1116.3 | 1191.4 | 1338.4 | 1324.6 | 1192.9 | 1116.3 | 1091.8 | 1085.7 |
| 57.5° | 5880.3 | 2353.7 | 1192.9 | 1041.3 | 1140.8 | 1310.8 | 1281.7 | 1174.5 | 1102.6 | 1082.7 | 1076.5 |
| 60° | 6586.2 | 2640.0 | 1108.7 | 964.7 | 1082.7 | 1261.8 | 1243.4 | 1143.9 | 1065.8 | 1049.0 | 1044.4 |
| 62.5° | 7704.1 | 3125.4 | 1006.1 | 891.2 | 1013.7 | 1159.2 | 1186.8 | 1085.7 | 1019.9 | 1018.3 | 1016.8 |
| 65° | 9526.4 | 3708.9 | 885.1 | 825.4 | 941.8 | 1075.0 | 1111.7 | 1026.0 | 972.4 | 989.2 | 987.7 |
| 67.5° | 10803.5 | 3759.4 | 785.6 | 756.5 | 857.5 | 983.1 | 1036.7 | 964.7 | 906.5 | 938.7 | 937.2 |
| 70° | 9895.5 | 2932.5 | 699.8 | 684.5 | 767.2 | 883.6 | 955.5 | 888.2 | 830.0 | 860.6 | 854.5 |
| 72.5° | 8345.7 | 2248.0 | 618.7 | 609.5 | 675.3 | 779.4 | 851.4 | 811.6 | 750.4 | 750.4 | 736.6 |
| 75° | 6707.2 | 1854.4 | 532.9 | 528.3 | 572.7 | 673.8 | 754.9 | 687.6 | 630.9 | 627.8 | 618.7 |
| 77.5° | 3846.7 | 1215.9 | 447.1 | 444.1 | 457.9 | 563.5 | 586.5 | 572.7 | 529.8 | 509.9 | 503.8 |
| 80° | 1532.9 | 632.4 | 352.2 | 332.3 | 346.1 | 413.5 | 462.5 | 439.5 | 402.7 | 378.2 | 364.5 |
| 82.5° | 594.2 | 317.0 | 248.1 | 217.4 | 237.4 | 298.6 | 335.4 | 327.7 | 303.2 | 248.1 | 232.8 |
| 85° | 242.0 | 154.7 | 148.5 | 125.6 | 137.8 | 160.8 | 192.9 | 166.9 | 137.8 | 98.0 | 93.4 |
| 87.5° | 64.3 | 56.7 | 55.1 | 33.7 | 26.0 | 7.7 | 1.5 | 0.0 | 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)