

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: P634353

Luminaire Tested: GWS-SA3B-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10218.4 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - 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

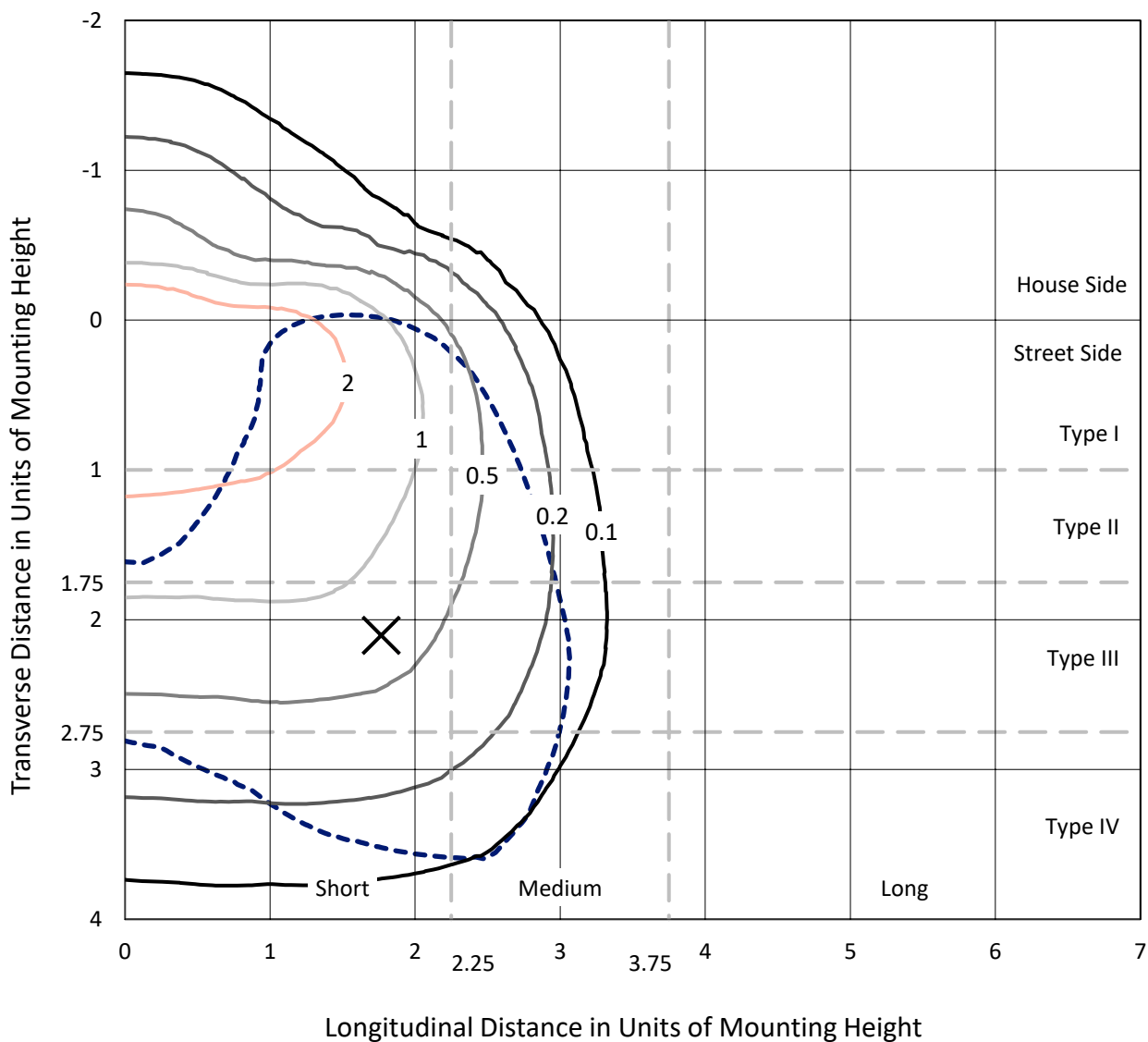


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Iso-Footcandle Lines of Horizontal Illumination

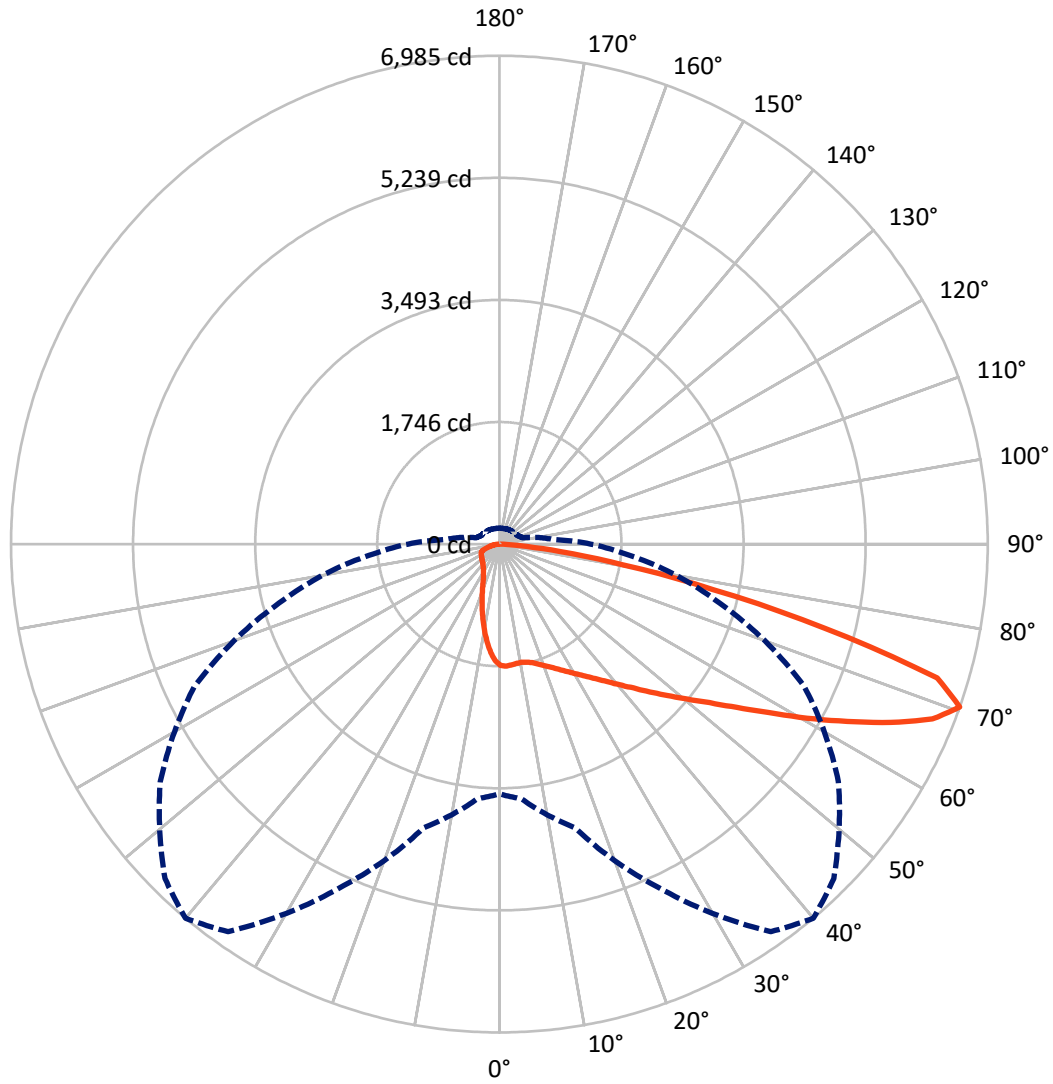
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1573.9 | 0.0 | 1573.9 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 8644.5 | 0.0 | 8644.5 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 10218.4 | 0.0 | 10218.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 153.3 | 1.5 |
| 10°-20° | 399.6 | 3.9 |
| 20°-30° | 627.4 | 6.1 |
| 30°-40° | 943.3 | 9.2 |
| 40°-50° | 1456.0 | 14.2 |
| 50°-60° | 2162.3 | 21.2 |
| 60°-70° | 2725.5 | 26.7 |
| 70°-80° | 1576.1 | 15.4 |
| 80°-90° | 174.9 | 1.7 |
| 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° | 10218.4 | 100.0 |
| 0°-180° | 10218.4 | 100.0 |

Coefficient of Utilization



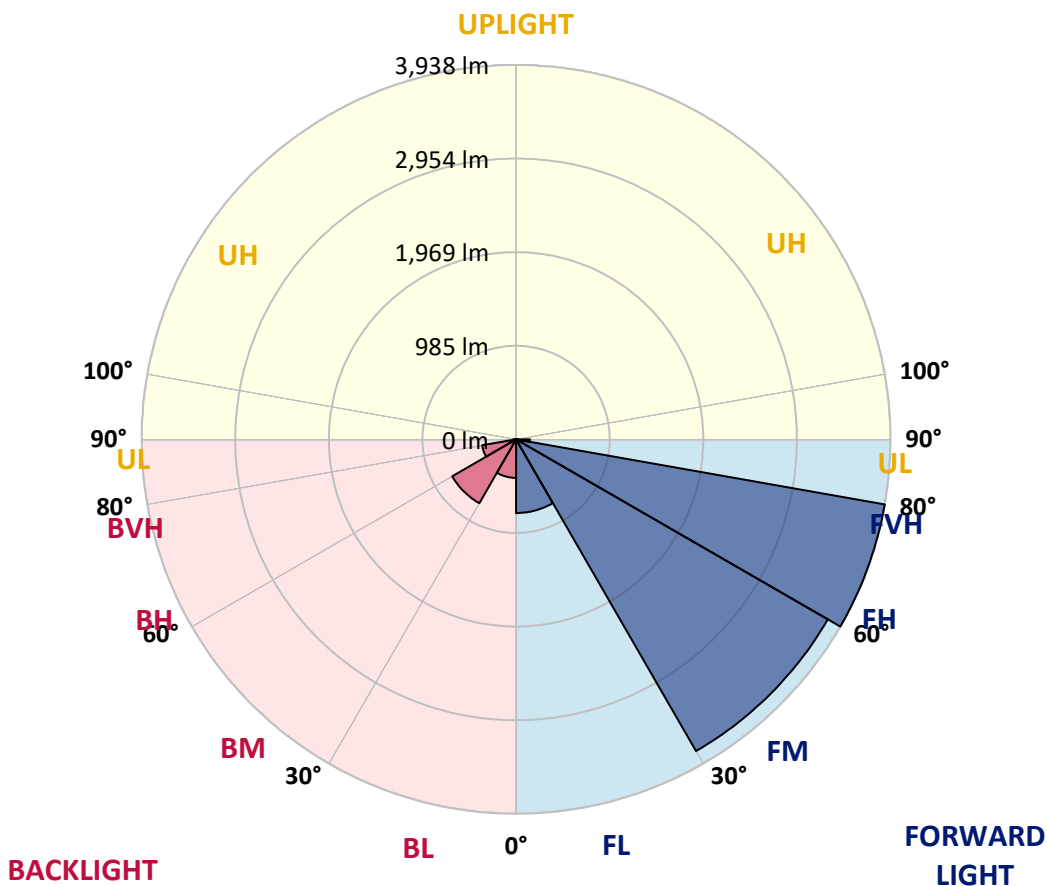
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 774.6 | 7.6 | | | |
| FM (30°-60°) | 3785.8 | 37.0 | | | |
| FH (60°-80°) | 3938.4 | 38.5 | | | G2/5000 |
| FVH (80°-90°) | 145.7 | 1.4 | | | G2/225 |
| BL (0°-30°) | 405.6 | 4.0 | B1/500 | | |
| BM (30°-60°) | 775.8 | 7.6 | B1/1000 | | |
| BH (60°-80°) | 363.3 | 3.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 29.2 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 40° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 |
| 2.5° | 1745.9 | 1748.9 | 1751.2 | 1754.3 | 1752.7 | 1748.2 | 1752.0 | 1752.0 | 1743.6 | 1734.4 | 1726.0 |
| 5° | 1748.2 | 1752.0 | 1751.2 | 1750.5 | 1744.4 | 1736.7 | 1736.7 | 1732.2 | 1717.7 | 1703.2 | 1689.4 |
| 7.5° | 1743.6 | 1742.8 | 1742.1 | 1739.8 | 1732.9 | 1724.5 | 1723.0 | 1713.8 | 1694.8 | 1674.9 | 1655.1 |
| 10° | 1723.0 | 1722.2 | 1724.5 | 1729.9 | 1728.3 | 1720.7 | 1720.7 | 1712.3 | 1690.2 | 1665.8 | 1639.9 |
| 12.5° | 1706.2 | 1706.2 | 1715.4 | 1729.9 | 1735.2 | 1732.2 | 1732.9 | 1726.8 | 1701.6 | 1672.7 | 1642.1 |
| 15° | 1708.5 | 1709.3 | 1729.1 | 1752.7 | 1762.7 | 1760.4 | 1761.1 | 1754.3 | 1726.0 | 1697.1 | 1655.9 |
| 17.5° | 1723.8 | 1727.6 | 1761.9 | 1794.7 | 1807.7 | 1804.6 | 1799.3 | 1787.8 | 1755.8 | 1723.0 | 1672.7 |
| 20° | 1755.8 | 1761.9 | 1806.1 | 1847.3 | 1862.6 | 1855.7 | 1846.6 | 1823.7 | 1788.6 | 1752.7 | 1691.0 |
| 22.5° | 1819.1 | 1822.9 | 1871.7 | 1912.2 | 1924.4 | 1916.0 | 1897.7 | 1864.9 | 1824.4 | 1787.1 | 1713.1 |
| 25° | 1908.3 | 1912.9 | 1959.4 | 1996.8 | 1993.8 | 1983.9 | 1958.7 | 1918.3 | 1870.2 | 1830.5 | 1745.1 |
| 27.5° | 2014.4 | 2022.0 | 2067.8 | 2097.5 | 2077.7 | 2063.2 | 2035.0 | 1986.1 | 1932.0 | 1896.1 | 1793.9 |
| 30° | 2130.3 | 2133.3 | 2172.2 | 2202.0 | 2171.5 | 2151.6 | 2117.3 | 2064.7 | 2015.9 | 1989.2 | 1867.2 |
| 32.5° | 2242.4 | 2245.5 | 2279.0 | 2295.8 | 2263.8 | 2249.3 | 2219.5 | 2163.9 | 2129.5 | 2115.0 | 1976.2 |
| 35° | 2360.6 | 2359.9 | 2387.3 | 2401.8 | 2369.0 | 2362.9 | 2332.4 | 2289.7 | 2283.6 | 2302.7 | 2135.6 |
| 37.5° | 2478.9 | 2472.0 | 2486.5 | 2505.6 | 2487.2 | 2493.4 | 2473.5 | 2459.0 | 2482.7 | 2532.3 | 2347.7 |
| 40° | 2573.4 | 2573.4 | 2588.7 | 2612.3 | 2618.4 | 2645.1 | 2633.7 | 2652.8 | 2729.0 | 2847.3 | 2610.0 |
| 42.5° | 2657.3 | 2658.1 | 2690.1 | 2726.7 | 2771.0 | 2812.2 | 2821.3 | 2870.9 | 3028.8 | 3214.1 | 2939.5 |
| 45° | 2745.1 | 2745.8 | 2789.3 | 2842.7 | 2936.5 | 3015.1 | 3033.4 | 3144.7 | 3370.5 | 3596.3 | 3297.3 |
| 47.5° | 2846.5 | 2838.1 | 2898.4 | 2987.6 | 3121.1 | 3234.0 | 3281.2 | 3439.1 | 3724.4 | 4002.0 | 3634.4 |
| 50° | 2960.9 | 2943.4 | 3010.5 | 3164.5 | 3329.3 | 3484.1 | 3563.5 | 3744.2 | 4104.2 | 4376.5 | 3951.7 |
| 52.5° | 3089.8 | 3079.9 | 3150.1 | 3337.7 | 3589.4 | 3767.9 | 3875.4 | 4112.6 | 4473.4 | 4749.5 | 4203.4 |
| 55° | 3250.0 | 3226.3 | 3327.8 | 3566.5 | 3894.5 | 4121.8 | 4249.1 | 4477.2 | 4876.9 | 5088.1 | 4395.6 |
| 57.5° | 3425.4 | 3399.5 | 3535.2 | 3852.5 | 4291.1 | 4540.5 | 4699.9 | 4887.5 | 5256.7 | 5347.5 | 4508.5 |
| 60° | 3614.6 | 3606.2 | 3767.1 | 4188.1 | 4764.0 | 5053.8 | 5169.0 | 5339.1 | 5587.0 | 5497.7 | 4480.3 |
| 62.5° | 3787.7 | 3784.6 | 4018.8 | 4551.9 | 5265.1 | 5583.9 | 5675.4 | 5720.4 | 5824.9 | 5487.8 | 4256.0 |
| 65° | 3970.0 | 3995.9 | 4312.5 | 4973.7 | 5839.4 | 6152.1 | 6190.3 | 6075.9 | 5905.0 | 5227.7 | 3796.8 |
| 67.5° | 3992.9 | 4043.2 | 4497.0 | 5368.8 | 6384.0 | 6679.2 | 6648.7 | 6210.9 | 5668.6 | 4503.9 | 2976.2 |
| 70° | 3571.1 | 3658.8 | 4202.6 | 5429.1 | 6767.7 | 6985.0 | 6764.6 | 5920.3 | 4810.5 | 3262.9 | 1871.7 |
| 72.5° | 2983.8 | 3059.3 | 3539.8 | 4629.7 | 6272.7 | 6549.5 | 6251.3 | 5011.1 | 3399.5 | 1871.7 | 953.4 |
| 75° | 2322.5 | 2410.2 | 2853.4 | 3680.2 | 4696.1 | 4806.7 | 4657.2 | 3494.8 | 1868.7 | 771.9 | 433.2 |
| 77.5° | 1417.1 | 1480.5 | 1825.2 | 2493.4 | 3285.8 | 3120.3 | 2644.4 | 1959.4 | 819.9 | 369.9 | 267.7 |
| 80° | 627.0 | 665.9 | 899.3 | 1339.3 | 1898.4 | 1794.7 | 1414.9 | 836.7 | 448.5 | 234.9 | 186.9 |
| 82.5° | 336.4 | 361.5 | 443.1 | 530.1 | 833.7 | 871.8 | 707.0 | 482.0 | 241.0 | 134.2 | 106.8 |
| 85° | 148.0 | 162.5 | 201.4 | 192.2 | 273.8 | 269.2 | 271.5 | 331.0 | 115.2 | 61.8 | 69.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 8.4 | 44.2 | 11.4 | 18.3 | 16.0 |
| 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° | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 | 1735.2 |
| 2.5° | 1716.9 | 1703.2 | 1699.4 | 1694.8 | 1686.4 | 1671.9 | 1661.2 | 1649.0 | 1643.7 | 1637.6 | 1638.3 |
| 5° | 1674.2 | 1657.4 | 1641.4 | 1620.8 | 1594.9 | 1565.9 | 1546.0 | 1523.2 | 1511.0 | 1499.5 | 1502.6 |
| 7.5° | 1637.6 | 1611.6 | 1578.8 | 1535.4 | 1488.8 | 1437.0 | 1395.0 | 1362.2 | 1340.1 | 1324.9 | 1332.5 |
| 10° | 1614.7 | 1584.2 | 1527.0 | 1456.0 | 1377.5 | 1298.2 | 1237.9 | 1181.5 | 1146.4 | 1118.9 | 1117.4 |
| 12.5° | 1610.1 | 1570.5 | 1487.3 | 1384.3 | 1270.7 | 1164.7 | 1076.2 | 999.9 | 953.4 | 919.1 | 932.1 |
| 15° | 1614.7 | 1564.4 | 1453.0 | 1318.0 | 1174.6 | 1031.2 | 921.4 | 833.7 | 778.0 | 746.7 | 744.4 |
| 17.5° | 1620.0 | 1558.2 | 1414.1 | 1246.3 | 1073.9 | 909.9 | 782.6 | 689.5 | 632.3 | 601.0 | 601.8 |
| 20° | 1624.6 | 1549.1 | 1368.3 | 1167.7 | 971.7 | 797.0 | 665.1 | 576.6 | 525.5 | 502.6 | 506.5 |
| 22.5° | 1632.2 | 1539.9 | 1319.5 | 1083.8 | 867.2 | 688.0 | 572.0 | 500.3 | 469.8 | 454.6 | 455.3 |
| 25° | 1646.7 | 1534.6 | 1269.2 | 992.3 | 764.3 | 601.0 | 508.0 | 459.9 | 440.9 | 431.7 | 430.9 |
| 27.5° | 1676.5 | 1539.2 | 1216.5 | 903.8 | 671.2 | 534.7 | 466.8 | 435.5 | 422.6 | 416.4 | 415.7 |
| 30° | 1726.0 | 1557.5 | 1170.8 | 813.8 | 591.1 | 482.8 | 438.6 | 419.5 | 411.9 | 406.5 | 405.8 |
| 32.5° | 1801.6 | 1591.8 | 1121.2 | 729.9 | 526.3 | 444.7 | 416.4 | 406.5 | 401.2 | 398.1 | 398.1 |
| 35° | 1916.0 | 1654.4 | 1072.4 | 656.7 | 475.9 | 414.9 | 398.9 | 395.1 | 390.5 | 389.0 | 390.5 |
| 37.5° | 2080.7 | 1754.3 | 1028.2 | 592.6 | 440.1 | 392.0 | 379.8 | 381.4 | 377.5 | 379.8 | 382.1 |
| 40° | 2289.7 | 1887.7 | 990.8 | 540.0 | 413.4 | 375.3 | 363.1 | 368.4 | 366.1 | 368.4 | 372.2 |
| 42.5° | 2554.4 | 2053.3 | 962.6 | 498.8 | 394.3 | 361.5 | 350.1 | 355.4 | 353.9 | 357.0 | 360.8 |
| 45° | 2849.5 | 2271.4 | 949.6 | 469.8 | 380.6 | 351.6 | 339.4 | 343.2 | 341.7 | 344.0 | 347.8 |
| 47.5° | 3132.5 | 2469.7 | 961.0 | 453.1 | 369.2 | 343.2 | 330.3 | 331.8 | 331.0 | 330.3 | 332.5 |
| 50° | 3376.6 | 2627.6 | 993.8 | 447.7 | 361.5 | 334.8 | 322.6 | 323.4 | 321.1 | 316.5 | 318.1 |
| 52.5° | 3575.7 | 2754.2 | 1013.7 | 447.7 | 357.7 | 325.7 | 314.2 | 315.0 | 310.4 | 304.3 | 305.1 |
| 55° | 3706.8 | 2805.3 | 997.6 | 447.0 | 356.2 | 318.1 | 305.9 | 306.6 | 302.0 | 294.4 | 295.2 |
| 57.5° | 3744.2 | 2755.7 | 930.5 | 438.6 | 354.7 | 312.0 | 297.5 | 299.0 | 295.9 | 287.5 | 287.5 |
| 60° | 3639.7 | 2574.2 | 807.7 | 419.5 | 350.9 | 308.1 | 291.4 | 293.6 | 292.1 | 283.7 | 283.7 |
| 62.5° | 3365.9 | 2251.6 | 661.3 | 390.5 | 340.2 | 303.6 | 286.0 | 290.6 | 294.4 | 289.8 | 289.1 |
| 65° | 2853.4 | 1803.8 | 537.7 | 358.5 | 326.4 | 295.9 | 278.4 | 289.8 | 298.2 | 304.3 | 304.3 |
| 67.5° | 2141.0 | 1291.3 | 438.6 | 324.9 | 305.9 | 280.7 | 268.5 | 279.2 | 285.3 | 289.1 | 291.4 |
| 70° | 1305.0 | 759.7 | 345.5 | 286.0 | 276.1 | 257.8 | 248.6 | 238.0 | 229.6 | 228.1 | 228.8 |
| 72.5° | 638.4 | 434.8 | 280.7 | 243.3 | 235.7 | 218.9 | 198.3 | 193.7 | 189.9 | 187.6 | 186.9 |
| 75° | 351.6 | 302.8 | 231.9 | 202.1 | 188.4 | 167.8 | 163.2 | 155.6 | 154.1 | 151.0 | 151.8 |
| 77.5° | 248.6 | 238.7 | 191.4 | 164.0 | 143.4 | 132.7 | 135.0 | 129.7 | 129.7 | 127.4 | 126.6 |
| 80° | 186.9 | 187.6 | 147.2 | 119.7 | 106.0 | 102.2 | 104.5 | 104.5 | 103.0 | 102.2 | 101.4 |
| 82.5° | 118.2 | 133.5 | 99.2 | 77.0 | 75.5 | 76.3 | 75.5 | 74.7 | 76.3 | 74.0 | 73.2 |
| 85° | 81.6 | 96.1 | 60.3 | 45.8 | 45.8 | 45.0 | 46.5 | 45.8 | 47.3 | 45.0 | 45.0 |
| 87.5° | 18.3 | 42.7 | 22.1 | 13.7 | 14.5 | 13.7 | 14.5 | 15.3 | 16.8 | 17.5 | 17.5 |
| 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)