

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: P634252

Luminaire Tested: GWS-SA3B-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10240.2 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

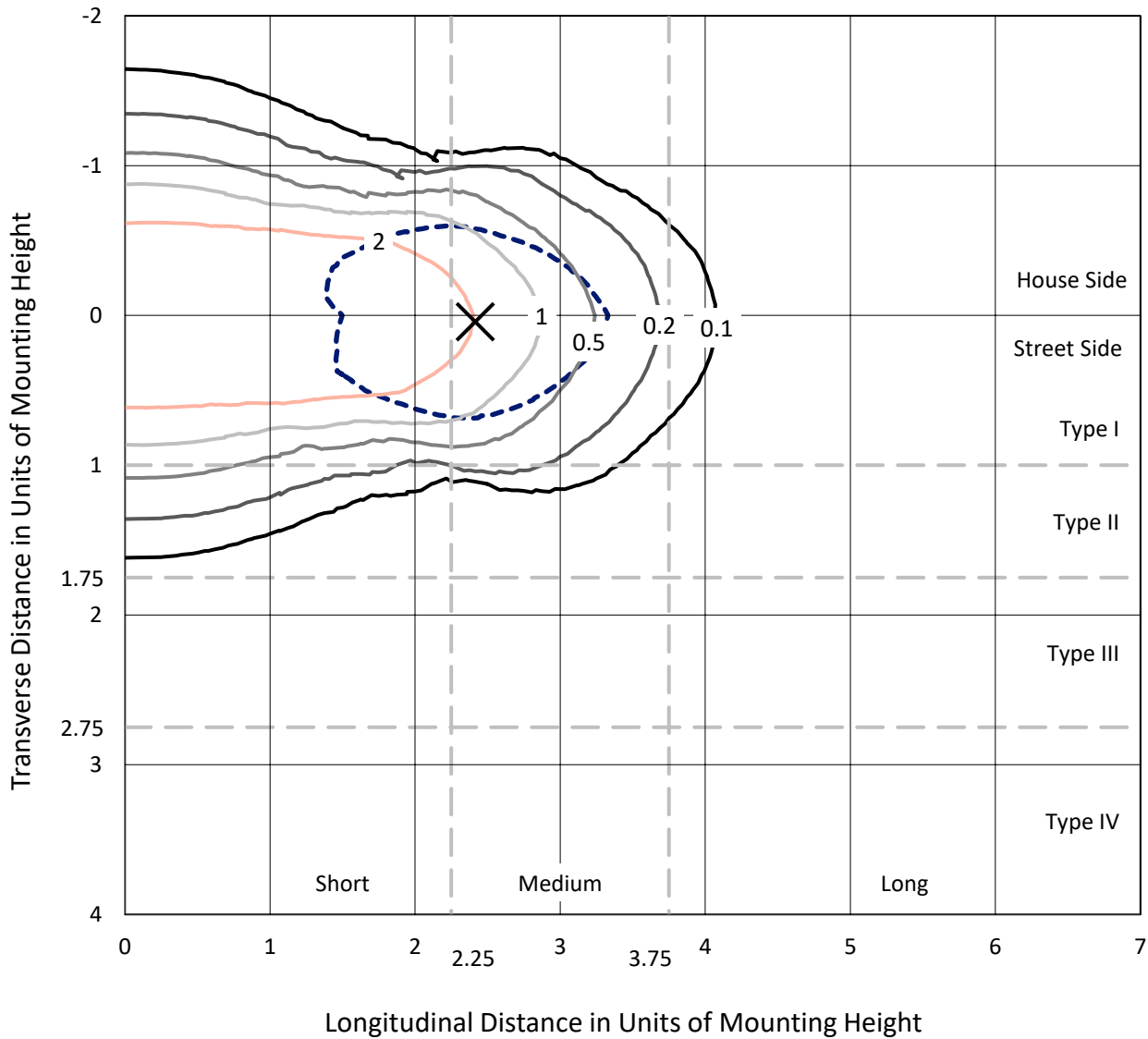
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

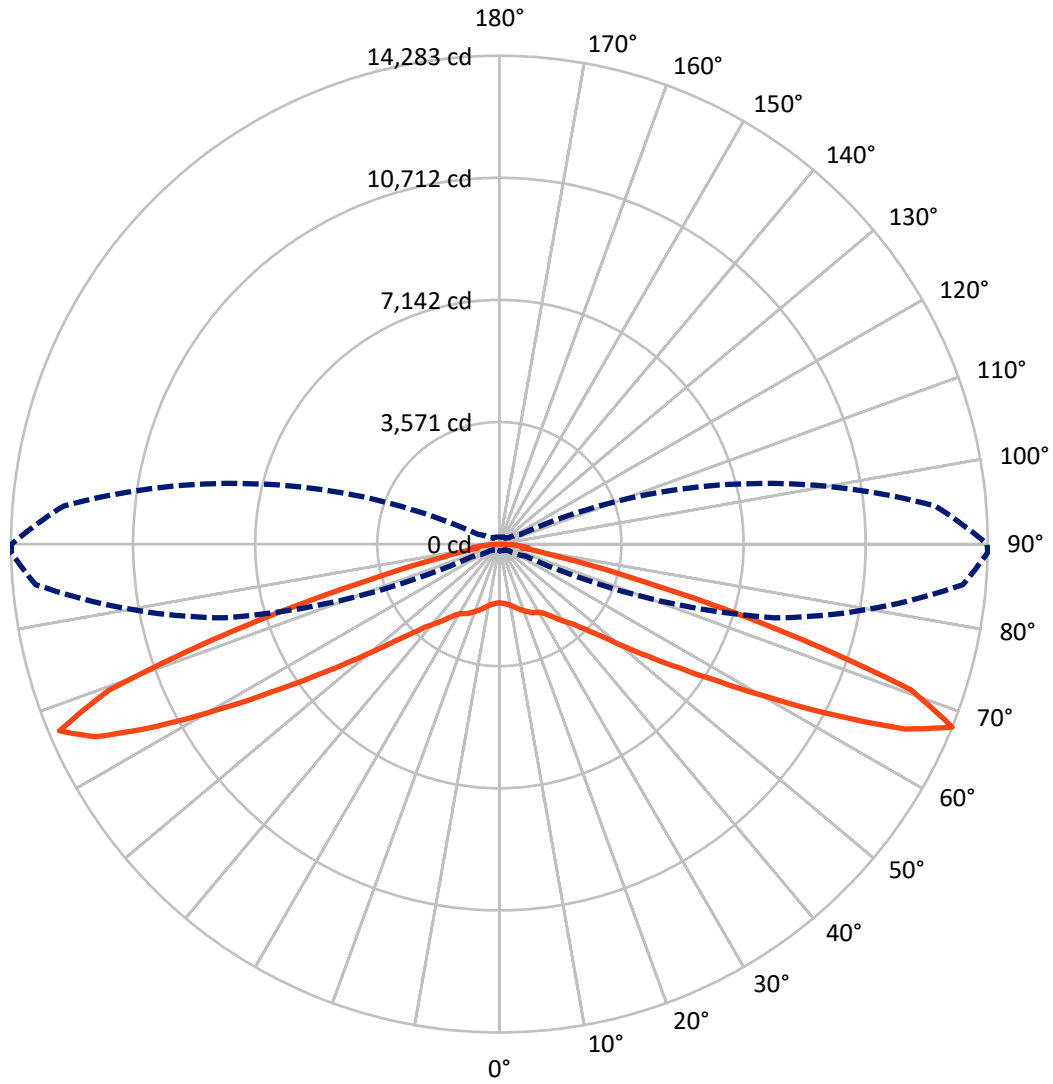
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5075.2 | 0.0 | 5075.2 |
| | % Fixture | 49.6 | 0.0 | 49.6 |
| Street Side | Lumens | 5165.0 | 0.0 | 5165.0 |
| | % Fixture | 50.4 | 0.0 | 50.4 |
| Total | Lumens | 10240.2 | 0.0 | 10240.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 172.4 | 1.7 |
| 10°-20° | 561.4 | 5.5 |
| 20°-30° | 949.0 | 9.3 |
| 30°-40° | 1302.3 | 12.7 |
| 40°-50° | 1660.8 | 16.2 |
| 50°-60° | 2083.7 | 20.3 |
| 60°-70° | 2513.1 | 24.5 |
| 70°-80° | 909.2 | 8.9 |
| 80°-90° | 88.4 | 0.9 |
| 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° | 10240.2 | 100.0 |
| 0°-180° | 10240.2 | 100.0 |

Coefficient of Utilization



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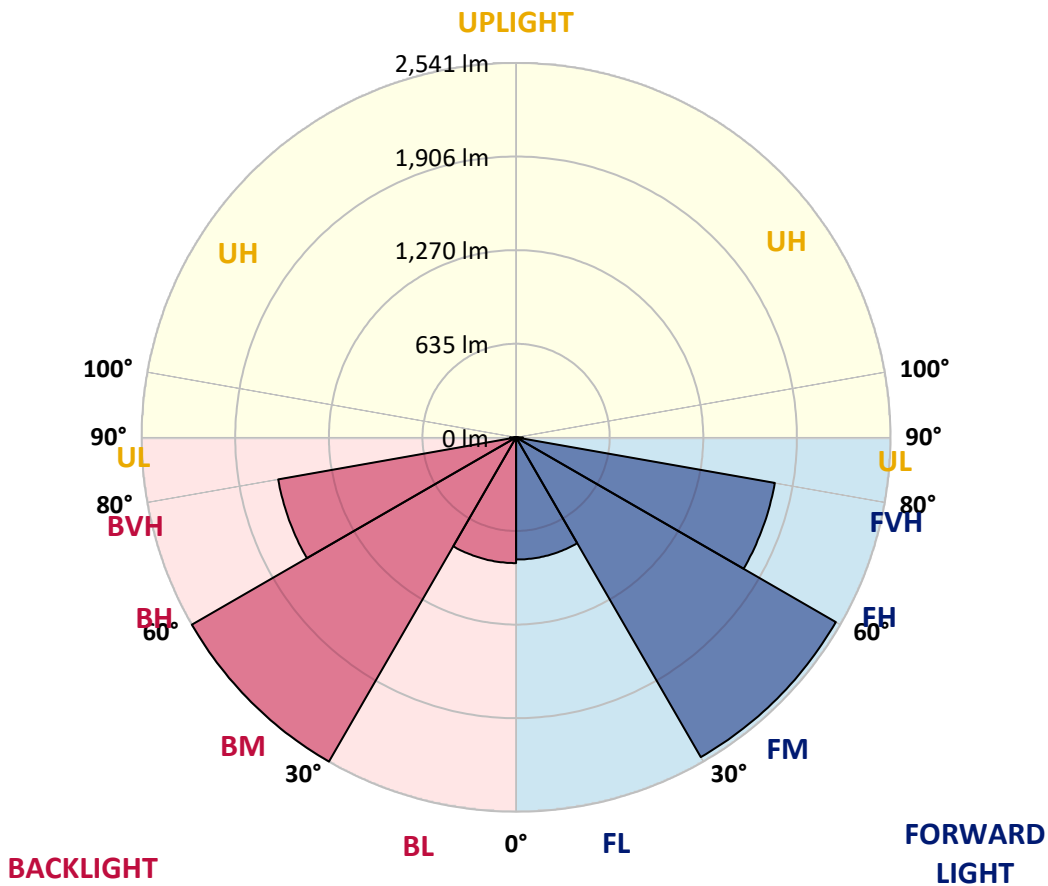
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 829.4 | 8.1 | | | |
| FM (30°-60°) | 2506.0 | 24.5 | | | |
| FH (60°-80°) | 1783.0 | 17.4 | | | G1/1800 |
| FVH (80°-90°) | 46.6 | 0.5 | | | G1/100 |
| BL (0°-30°) | 853.4 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 2540.8 | 24.8 | B3/5000 | | |
| BH (60°-80°) | 1639.3 | 16.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 41.8 | 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 I Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 89° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 |
| 2.5° | 1723.9 | 1722.4 | 1718.7 | 1729.8 | 1727.6 | 1728.3 | 1732.7 | 1729.8 | 1724.6 | 1715.8 | 1728.3 |
| 5° | 1772.4 | 1771.7 | 1763.6 | 1770.2 | 1762.9 | 1757.7 | 1757.0 | 1749.6 | 1743.7 | 1734.2 | 1747.4 |
| 7.5° | 1819.5 | 1818.8 | 1812.1 | 1823.9 | 1818.0 | 1812.1 | 1805.5 | 1790.8 | 1776.8 | 1762.9 | 1777.6 |
| 10° | 1855.5 | 1854.8 | 1853.3 | 1870.2 | 1871.7 | 1873.9 | 1871.0 | 1846.0 | 1821.7 | 1804.8 | 1819.5 |
| 12.5° | 1876.1 | 1878.3 | 1882.0 | 1912.9 | 1928.3 | 1943.0 | 1946.7 | 1926.1 | 1885.7 | 1861.4 | 1879.1 |
| 15° | 1862.1 | 1866.6 | 1884.9 | 1940.8 | 1983.5 | 2016.6 | 2030.6 | 2013.6 | 1961.4 | 1921.0 | 1940.8 |
| 17.5° | 1795.2 | 1798.9 | 1834.9 | 1920.2 | 2014.4 | 2090.9 | 2113.7 | 2103.4 | 2045.3 | 1996.0 | 2015.1 |
| 20° | 1702.6 | 1710.6 | 1749.6 | 1868.8 | 2009.2 | 2142.4 | 2203.4 | 2199.7 | 2136.5 | 2060.7 | 2083.5 |
| 22.5° | 1618.7 | 1628.3 | 1669.5 | 1801.1 | 1974.7 | 2155.6 | 2293.9 | 2303.4 | 2219.6 | 2125.4 | 2143.8 |
| 25° | 1524.6 | 1533.4 | 1586.4 | 1720.9 | 1915.1 | 2145.3 | 2371.1 | 2414.5 | 2313.7 | 2199.7 | 2216.6 |
| 27.5° | 1428.2 | 1434.9 | 1487.1 | 1630.5 | 1837.1 | 2126.2 | 2432.1 | 2536.5 | 2406.4 | 2251.2 | 2263.0 |
| 30° | 1343.7 | 1352.5 | 1400.3 | 1540.0 | 1751.8 | 2087.9 | 2482.1 | 2666.7 | 2513.0 | 2309.3 | 2318.9 |
| 32.5° | 1262.0 | 1269.4 | 1321.6 | 1451.0 | 1661.4 | 2029.1 | 2527.0 | 2819.7 | 2671.1 | 2417.4 | 2417.4 |
| 35° | 1159.1 | 1172.3 | 1231.1 | 1365.7 | 1576.1 | 1951.1 | 2559.3 | 2997.7 | 2887.4 | 2577.0 | 2577.7 |
| 37.5° | 1064.2 | 1071.5 | 1133.3 | 1269.4 | 1486.3 | 1862.9 | 2562.3 | 3182.3 | 3160.9 | 2780.0 | 2781.5 |
| 40° | 956.1 | 965.6 | 1031.8 | 1166.4 | 1383.4 | 1770.2 | 2534.3 | 3354.4 | 3447.8 | 2988.8 | 2980.8 |
| 42.5° | 846.5 | 860.5 | 923.7 | 1055.4 | 1272.3 | 1657.0 | 2460.1 | 3518.4 | 3811.8 | 3230.8 | 3211.0 |
| 45° | 740.6 | 749.4 | 812.7 | 937.0 | 1145.1 | 1521.6 | 2340.9 | 3675.8 | 4244.3 | 3598.5 | 3569.9 |
| 47.5° | 621.5 | 625.1 | 690.6 | 809.7 | 1013.4 | 1370.9 | 2170.3 | 3816.2 | 4719.4 | 4085.4 | 4036.1 |
| 50° | 515.5 | 520.7 | 572.2 | 674.4 | 852.4 | 1192.2 | 1957.8 | 3898.6 | 5324.6 | 4749.5 | 4664.2 |
| 52.5° | 417.0 | 422.1 | 463.3 | 545.0 | 704.6 | 988.4 | 1694.5 | 3879.5 | 5938.7 | 5573.9 | 5449.6 |
| 55° | 336.8 | 340.5 | 368.5 | 432.4 | 554.5 | 786.2 | 1383.4 | 3708.1 | 6620.5 | 6650.6 | 6382.9 |
| 57.5° | 284.6 | 286.1 | 305.2 | 344.2 | 433.2 | 606.0 | 1067.9 | 3303.6 | 7335.3 | 8024.4 | 7584.6 |
| 60° | 254.5 | 255.2 | 264.0 | 288.3 | 342.0 | 462.6 | 782.5 | 2659.4 | 8075.9 | 9743.2 | 9140.1 |
| 62.5° | 235.3 | 235.3 | 242.7 | 256.7 | 283.9 | 356.0 | 575.1 | 1910.0 | 8607.6 | 11613.4 | 11014.0 |
| 65° | 217.0 | 217.0 | 222.1 | 233.9 | 248.6 | 290.5 | 431.7 | 1231.9 | 8868.7 | 13177.0 | 13043.9 |
| 67.5° | 193.4 | 194.2 | 197.8 | 210.3 | 223.6 | 242.7 | 327.3 | 833.3 | 8326.7 | 13609.4 | 14283.1 |
| 70° | 171.4 | 172.1 | 177.2 | 185.3 | 196.4 | 209.6 | 255.9 | 574.4 | 6060.8 | 11334.7 | 12771.0 |
| 72.5° | 147.1 | 150.0 | 153.7 | 162.5 | 169.2 | 178.7 | 208.9 | 372.1 | 3526.5 | 7291.2 | 8442.2 |
| 75° | 120.6 | 124.3 | 128.7 | 137.5 | 141.9 | 145.6 | 172.1 | 265.5 | 1696.7 | 3694.9 | 4207.5 |
| 77.5° | 93.4 | 97.1 | 102.2 | 110.3 | 113.3 | 117.7 | 131.6 | 192.0 | 812.7 | 1637.8 | 1765.8 |
| 80° | 62.5 | 64.0 | 68.4 | 78.0 | 83.1 | 86.0 | 97.1 | 130.9 | 353.0 | 657.5 | 651.6 |
| 82.5° | 38.2 | 39.0 | 40.4 | 46.3 | 48.5 | 51.5 | 63.2 | 80.2 | 168.4 | 747.2 | 856.8 |
| 85° | 14.0 | 13.2 | 12.5 | 16.2 | 19.1 | 22.1 | 29.4 | 40.4 | 73.5 | 513.3 | 574.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.7 | 1.5 | 1.5 | 2.9 | 5.9 | 17.7 | 192.0 | 131.6 |
| 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° | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 | 1718.7 |
| 2.5° | 1724.6 | 1716.5 | 1726.8 | 1734.2 | 1750.4 | 1756.2 | 1757.7 | 1752.6 | 1752.6 | 1743.7 | 1745.2 |
| 5° | 1744.5 | 1739.3 | 1756.2 | 1768.7 | 1792.3 | 1801.1 | 1807.0 | 1803.3 | 1805.5 | 1799.6 | 1801.1 |
| 7.5° | 1774.6 | 1770.2 | 1799.6 | 1823.9 | 1848.2 | 1858.5 | 1863.6 | 1860.7 | 1861.4 | 1854.1 | 1856.3 |
| 10° | 1816.5 | 1818.0 | 1853.3 | 1884.9 | 1917.3 | 1927.6 | 1929.8 | 1921.0 | 1913.6 | 1900.4 | 1901.1 |
| 12.5° | 1873.9 | 1881.3 | 1931.3 | 1966.6 | 1999.7 | 2014.4 | 1998.2 | 1965.8 | 1935.7 | 1912.9 | 1910.0 |
| 15° | 1936.4 | 1949.7 | 2021.7 | 2066.6 | 2102.6 | 2095.3 | 2047.5 | 1974.7 | 1915.1 | 1881.3 | 1874.6 |
| 17.5° | 2011.4 | 2031.3 | 2121.8 | 2175.4 | 2206.3 | 2159.3 | 2059.2 | 1950.4 | 1867.3 | 1821.7 | 1812.9 |
| 20° | 2082.0 | 2113.7 | 2227.7 | 2297.5 | 2301.2 | 2195.3 | 2054.1 | 1901.1 | 1796.7 | 1740.8 | 1729.0 |
| 22.5° | 2146.8 | 2187.2 | 2338.7 | 2427.7 | 2379.9 | 2211.5 | 2022.5 | 1831.3 | 1711.4 | 1645.9 | 1635.6 |
| 25° | 2217.4 | 2274.7 | 2468.2 | 2551.3 | 2458.6 | 2204.9 | 1956.3 | 1744.5 | 1608.4 | 1541.5 | 1534.1 |
| 27.5° | 2265.9 | 2338.0 | 2598.3 | 2677.8 | 2523.3 | 2167.4 | 1871.0 | 1649.6 | 1514.3 | 1451.0 | 1440.7 |
| 30° | 2321.8 | 2413.7 | 2741.7 | 2815.3 | 2563.0 | 2112.2 | 1779.8 | 1561.3 | 1426.8 | 1358.4 | 1351.0 |
| 32.5° | 2423.3 | 2538.8 | 2919.7 | 2960.9 | 2575.5 | 2043.8 | 1692.3 | 1476.0 | 1335.6 | 1267.2 | 1256.9 |
| 35° | 2586.6 | 2721.9 | 3169.8 | 3123.4 | 2566.0 | 1968.8 | 1609.2 | 1376.0 | 1242.2 | 1178.2 | 1167.9 |
| 37.5° | 2792.5 | 2960.9 | 3448.5 | 3269.8 | 2539.5 | 1886.4 | 1510.6 | 1292.2 | 1158.3 | 1093.6 | 1087.7 |
| 40° | 2984.4 | 3191.8 | 3761.1 | 3396.3 | 2485.8 | 1784.9 | 1415.7 | 1204.7 | 1067.9 | 999.5 | 986.2 |
| 42.5° | 3224.9 | 3500.7 | 4122.9 | 3505.9 | 2397.6 | 1663.6 | 1309.1 | 1096.5 | 954.6 | 892.8 | 876.7 |
| 45° | 3590.4 | 3933.2 | 4543.6 | 3611.0 | 2265.9 | 1514.3 | 1175.2 | 964.9 | 830.3 | 767.1 | 754.6 |
| 47.5° | 4046.4 | 4473.7 | 4999.6 | 3673.5 | 2065.9 | 1356.9 | 1023.7 | 825.9 | 691.3 | 620.0 | 614.1 |
| 50° | 4687.0 | 5259.9 | 5488.6 | 3662.5 | 1842.3 | 1170.1 | 853.1 | 660.4 | 547.9 | 496.4 | 488.3 |
| 52.5° | 5467.3 | 6246.9 | 6017.4 | 3530.1 | 1604.7 | 957.5 | 664.8 | 518.5 | 434.6 | 397.9 | 391.3 |
| 55° | 6446.2 | 7428.7 | 6574.1 | 3246.3 | 1304.7 | 733.2 | 522.2 | 408.9 | 351.5 | 329.5 | 326.5 |
| 57.5° | 7658.2 | 8959.2 | 7110.3 | 2768.2 | 981.1 | 559.7 | 402.3 | 337.6 | 310.4 | 297.1 | 296.4 |
| 60° | 9257.8 | 10583.8 | 7575.8 | 2151.2 | 702.4 | 428.0 | 332.4 | 301.5 | 280.2 | 271.4 | 270.6 |
| 62.5° | 11159.6 | 12059.1 | 7865.6 | 1465.0 | 528.0 | 341.2 | 292.7 | 273.6 | 261.1 | 255.9 | 255.2 |
| 65° | 13114.5 | 12991.6 | 7727.3 | 959.8 | 400.8 | 289.8 | 262.6 | 252.3 | 241.2 | 236.1 | 236.1 |
| 67.5° | 14269.1 | 12794.5 | 6666.1 | 666.3 | 317.7 | 254.5 | 236.8 | 227.3 | 208.9 | 204.5 | 204.5 |
| 70° | 12638.6 | 10367.6 | 4369.3 | 487.6 | 257.4 | 222.8 | 205.9 | 192.7 | 185.3 | 180.9 | 180.2 |
| 72.5° | 8359.1 | 6746.2 | 2323.3 | 338.3 | 214.7 | 189.7 | 174.3 | 169.2 | 160.3 | 155.9 | 155.2 |
| 75° | 4160.4 | 3543.4 | 1190.7 | 244.2 | 178.7 | 152.2 | 145.6 | 143.4 | 136.1 | 130.2 | 128.7 |
| 77.5° | 1734.2 | 1577.5 | 555.3 | 177.2 | 136.1 | 122.8 | 116.9 | 116.9 | 108.8 | 102.2 | 99.3 |
| 80° | 653.8 | 582.5 | 262.6 | 121.3 | 100.8 | 91.2 | 87.5 | 84.6 | 78.0 | 69.9 | 65.5 |
| 82.5° | 874.4 | 571.4 | 128.7 | 75.8 | 66.2 | 58.8 | 53.7 | 51.5 | 47.8 | 44.1 | 41.2 |
| 85° | 566.3 | 406.0 | 58.1 | 39.0 | 33.1 | 25.0 | 22.1 | 20.6 | 18.4 | 16.2 | 14.7 |
| 87.5° | 115.5 | 136.1 | 17.7 | 7.4 | 4.4 | 2.2 | 2.2 | 0.7 | 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)