

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: P634270

Luminaire Tested: GWS-SA3B-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9909.2 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

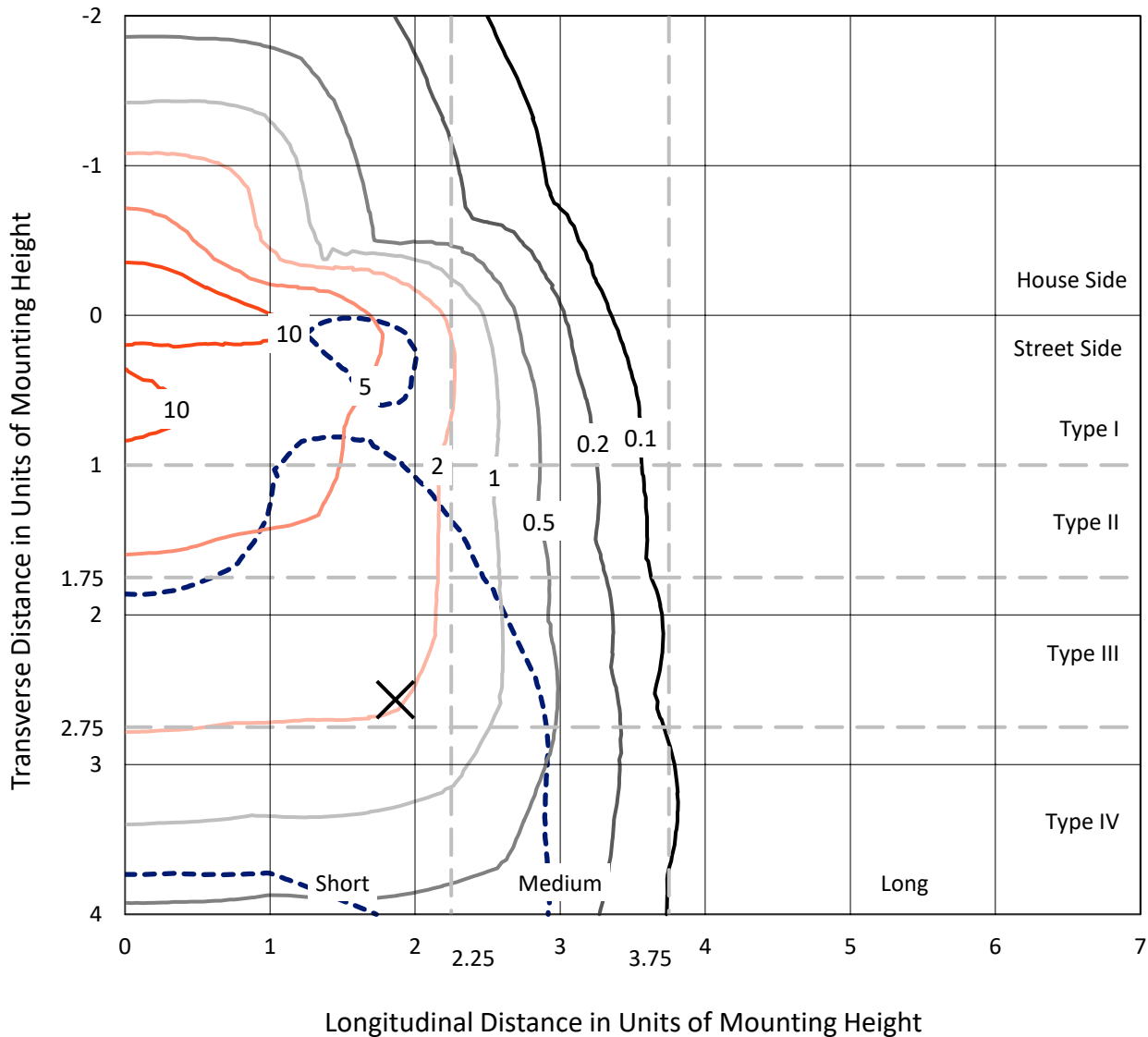
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

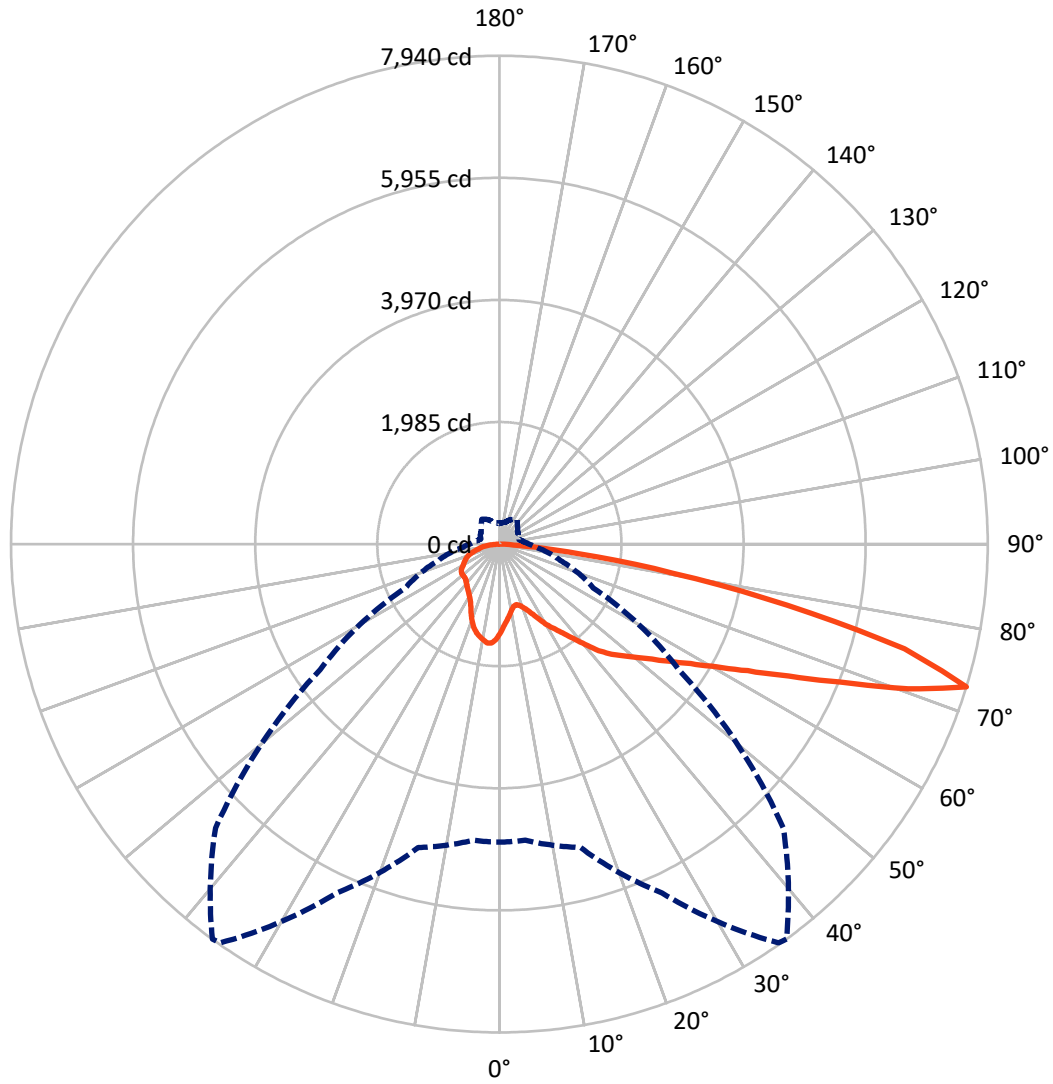
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2284.5 | 0.0 | 2284.5 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 7624.7 | 0.0 | 7624.7 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 9909.2 | 0.0 | 9909.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 135.6 | 1.4 |
| 10°-20° | 382.5 | 3.9 |
| 20°-30° | 633.4 | 6.4 |
| 30°-40° | 948.6 | 9.6 |
| 40°-50° | 1383.9 | 14.0 |
| 50°-60° | 1969.7 | 19.9 |
| 60°-70° | 2488.6 | 25.1 |
| 70°-80° | 1773.3 | 17.9 |
| 80°-90° | 193.6 | 2.0 |
| 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° | 9909.2 | 100.0 |
| 0°-180° | 9909.2 | 100.0 |

Coefficient of Utilization



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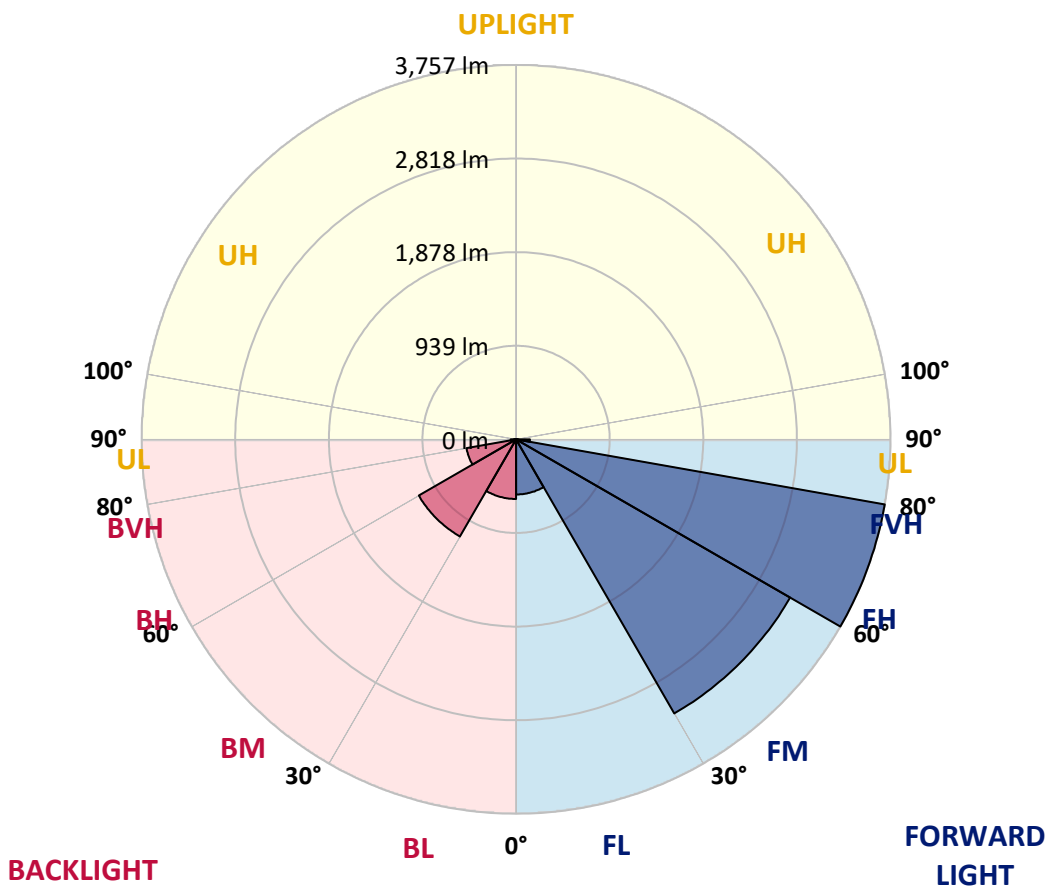
CATALOG NUMBER: GWS-SA3B-735-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 553.2 | 5.6 | | | |
| FM (30°-60°) | 3175.6 | 32.0 | | | |
| FH (60°-80°) | 3756.9 | 37.9 | | | G2/5000 |
| FVH (80°-90°) | 138.9 | 1.4 | | | G2/225 |
| BL (0°-30°) | 598.2 | 6.0 | B2/1000 | | |
| BM (30°-60°) | 1126.6 | 11.4 | B2/2500 | | |
| BH (60°-80°) | 505.0 | 5.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 54.6 | 0.6 | | | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 |
| 2.5° | 1323.0 | 1320.8 | 1316.4 | 1329.6 | 1342.9 | 1341.4 | 1359.8 | 1377.4 | 1396.6 | 1416.4 | 1442.9 |
| 5° | 1217.1 | 1215.7 | 1212.0 | 1231.8 | 1251.7 | 1251.0 | 1281.1 | 1309.8 | 1348.8 | 1391.4 | 1444.4 |
| 7.5° | 1111.2 | 1107.5 | 1112.7 | 1137.7 | 1165.6 | 1168.6 | 1209.8 | 1256.8 | 1313.5 | 1377.4 | 1452.5 |
| 10° | 1017.8 | 1017.1 | 1019.3 | 1047.2 | 1089.2 | 1092.1 | 1145.1 | 1210.5 | 1285.5 | 1370.8 | 1470.8 |
| 12.5° | 993.6 | 992.1 | 986.2 | 1000.2 | 1031.8 | 1036.2 | 1094.3 | 1174.5 | 1266.4 | 1374.5 | 1495.9 |
| 15° | 1033.3 | 1029.6 | 1009.0 | 1002.4 | 1017.8 | 1021.5 | 1070.8 | 1153.1 | 1255.4 | 1381.1 | 1527.5 |
| 17.5° | 1101.7 | 1099.5 | 1060.5 | 1033.3 | 1043.6 | 1046.5 | 1083.3 | 1149.5 | 1252.4 | 1394.4 | 1566.5 |
| 20° | 1201.7 | 1192.1 | 1131.1 | 1089.9 | 1089.9 | 1094.3 | 1116.4 | 1165.6 | 1256.1 | 1410.5 | 1610.6 |
| 22.5° | 1334.1 | 1314.9 | 1228.9 | 1173.0 | 1158.3 | 1164.2 | 1173.7 | 1206.1 | 1271.5 | 1437.8 | 1665.7 |
| 25° | 1482.6 | 1465.0 | 1362.7 | 1284.1 | 1263.5 | 1265.7 | 1257.6 | 1263.5 | 1305.4 | 1475.3 | 1734.1 |
| 27.5° | 1640.7 | 1629.0 | 1520.1 | 1420.1 | 1387.7 | 1387.7 | 1359.1 | 1345.1 | 1352.4 | 1517.9 | 1810.6 |
| 30° | 1781.9 | 1765.8 | 1673.8 | 1564.2 | 1521.6 | 1521.6 | 1467.2 | 1437.0 | 1419.4 | 1570.1 | 1912.8 |
| 32.5° | 1856.2 | 1846.6 | 1785.6 | 1701.8 | 1649.6 | 1641.5 | 1594.4 | 1559.1 | 1517.9 | 1647.3 | 2051.1 |
| 35° | 1953.3 | 1951.1 | 1914.3 | 1848.9 | 1782.7 | 1770.9 | 1738.5 | 1710.6 | 1639.3 | 1743.7 | 2235.0 |
| 37.5° | 2075.4 | 2071.7 | 2065.8 | 2026.8 | 1947.4 | 1945.2 | 1916.5 | 1882.7 | 1790.0 | 1882.7 | 2457.8 |
| 40° | 2212.2 | 2205.5 | 2198.2 | 2197.4 | 2149.6 | 2141.6 | 2139.3 | 2101.1 | 1971.7 | 2050.4 | 2690.2 |
| 42.5° | 2400.4 | 2377.6 | 2308.5 | 2339.4 | 2374.7 | 2367.3 | 2395.3 | 2337.9 | 2198.2 | 2249.7 | 2910.1 |
| 45° | 2632.1 | 2576.2 | 2439.4 | 2448.2 | 2537.2 | 2551.9 | 2649.0 | 2635.0 | 2447.5 | 2479.8 | 3141.7 |
| 47.5° | 2771.1 | 2722.5 | 2595.3 | 2588.0 | 2699.0 | 2717.4 | 2928.5 | 2954.9 | 2715.9 | 2757.1 | 3427.8 |
| 50° | 2885.1 | 2851.2 | 2746.8 | 2757.1 | 2874.8 | 2893.2 | 3205.7 | 3262.3 | 2968.9 | 3041.0 | 3760.2 |
| 52.5° | 3022.6 | 2974.1 | 2893.2 | 2941.7 | 3085.8 | 3107.9 | 3513.9 | 3574.9 | 3196.9 | 3352.8 | 4104.4 |
| 55° | 3099.8 | 3080.0 | 3081.4 | 3155.7 | 3336.6 | 3366.8 | 3836.7 | 3826.4 | 3405.7 | 3619.8 | 4363.3 |
| 57.5° | 3277.8 | 3270.4 | 3338.1 | 3366.0 | 3629.3 | 3668.3 | 4159.6 | 4071.3 | 3595.5 | 3826.4 | 4487.6 |
| 60° | 3591.8 | 3573.4 | 3632.3 | 3674.9 | 3991.1 | 4046.3 | 4519.9 | 4311.1 | 3724.2 | 3980.1 | 4445.6 |
| 62.5° | 4033.1 | 4010.3 | 4012.5 | 4080.1 | 4475.8 | 4533.9 | 4920.7 | 4511.1 | 3763.9 | 4003.6 | 4180.1 |
| 65° | 4581.7 | 4548.6 | 4511.1 | 4603.0 | 5119.3 | 5167.8 | 5356.8 | 4656.7 | 3669.0 | 3777.1 | 3625.6 |
| 67.5° | 5160.5 | 5133.3 | 5089.1 | 5281.8 | 5952.5 | 5981.9 | 5845.9 | 4644.2 | 3368.2 | 3171.1 | 2543.1 |
| 70° | 5194.3 | 5200.9 | 5409.8 | 6107.0 | 7040.2 | 7047.6 | 6308.5 | 4392.7 | 2727.7 | 2055.5 | 1267.1 |
| 72.5° | 4845.7 | 4834.7 | 5106.8 | 6257.7 | 7915.4 | 7940.4 | 6526.9 | 3558.7 | 1685.6 | 1025.2 | 594.2 |
| 75° | 3936.0 | 3955.1 | 4241.2 | 5475.2 | 6784.3 | 6806.3 | 5320.8 | 2098.2 | 800.9 | 501.6 | 380.2 |
| 77.5° | 1694.4 | 1801.1 | 2365.1 | 3857.3 | 4858.9 | 4790.6 | 2742.4 | 850.1 | 427.3 | 357.4 | 291.2 |
| 80° | 489.1 | 531.0 | 842.8 | 1834.1 | 2911.5 | 2860.1 | 1085.5 | 318.4 | 297.8 | 268.4 | 208.9 |
| 82.5° | 158.1 | 175.0 | 308.9 | 730.3 | 1304.6 | 1303.2 | 411.8 | 188.3 | 194.9 | 182.4 | 134.6 |
| 85° | 44.1 | 50.7 | 94.9 | 221.4 | 403.7 | 395.7 | 119.1 | 89.0 | 103.7 | 105.2 | 66.9 |
| 87.5° | 0.0 | 0.0 | 0.7 | 1.5 | 1.5 | 1.5 | 2.9 | 13.2 | 30.2 | 38.2 | 27.2 |
| 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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CATALOG NUMBER: GWS-SA3B-735-U-T4FT-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 | 1450.3 |
| 2.5° | 1459.1 | 1456.9 | 1487.0 | 1510.6 | 1532.6 | 1547.3 | 1551.7 | 1554.7 | 1560.6 | 1563.5 | 1560.6 |
| 5° | 1469.4 | 1480.4 | 1530.4 | 1567.2 | 1596.6 | 1614.3 | 1615.0 | 1613.5 | 1617.9 | 1614.3 | 1612.0 |
| 7.5° | 1491.4 | 1512.8 | 1576.0 | 1615.0 | 1634.1 | 1634.8 | 1617.2 | 1596.6 | 1586.3 | 1577.5 | 1574.5 |
| 10° | 1520.9 | 1552.5 | 1621.6 | 1647.3 | 1641.5 | 1614.3 | 1575.3 | 1542.9 | 1524.5 | 1511.3 | 1508.4 |
| 12.5° | 1561.3 | 1596.6 | 1662.1 | 1661.3 | 1624.6 | 1576.0 | 1530.4 | 1491.4 | 1465.0 | 1449.5 | 1444.4 |
| 15° | 1599.5 | 1644.4 | 1691.5 | 1656.9 | 1598.8 | 1540.0 | 1481.1 | 1428.9 | 1393.6 | 1369.4 | 1364.9 |
| 17.5° | 1646.6 | 1694.4 | 1712.8 | 1642.9 | 1566.5 | 1490.7 | 1412.0 | 1343.6 | 1295.8 | 1267.1 | 1264.9 |
| 20° | 1701.0 | 1743.7 | 1723.1 | 1618.7 | 1524.5 | 1425.3 | 1318.6 | 1242.1 | 1190.7 | 1162.7 | 1164.9 |
| 22.5° | 1764.3 | 1795.2 | 1726.0 | 1585.6 | 1466.4 | 1332.6 | 1213.4 | 1139.9 | 1105.3 | 1090.6 | 1091.4 |
| 25° | 1831.9 | 1851.8 | 1720.9 | 1540.7 | 1377.4 | 1219.3 | 1105.3 | 1071.5 | 1068.6 | 1064.9 | 1066.4 |
| 27.5° | 1912.1 | 1907.7 | 1705.4 | 1477.5 | 1257.6 | 1087.7 | 1029.6 | 1038.4 | 1050.2 | 1048.7 | 1050.2 |
| 30° | 2019.5 | 1977.6 | 1685.6 | 1390.0 | 1114.9 | 977.4 | 984.7 | 1009.7 | 1025.2 | 1026.7 | 1031.1 |
| 32.5° | 2142.3 | 2054.8 | 1654.0 | 1270.8 | 978.8 | 915.6 | 942.8 | 973.0 | 991.4 | 995.0 | 1000.9 |
| 35° | 2288.6 | 2143.0 | 1598.1 | 1122.3 | 881.0 | 878.8 | 903.8 | 924.4 | 944.3 | 945.8 | 945.8 |
| 37.5° | 2457.1 | 2231.3 | 1509.1 | 958.3 | 820.7 | 847.2 | 870.7 | 875.2 | 880.3 | 875.9 | 878.1 |
| 40° | 2611.5 | 2316.6 | 1382.6 | 809.0 | 771.5 | 819.3 | 839.1 | 824.4 | 808.2 | 797.2 | 799.4 |
| 42.5° | 2740.9 | 2374.7 | 1214.9 | 704.5 | 721.5 | 794.3 | 809.7 | 779.5 | 747.9 | 727.3 | 730.3 |
| 45° | 2886.5 | 2428.4 | 1017.8 | 633.9 | 678.8 | 776.6 | 786.9 | 747.9 | 707.5 | 676.6 | 672.2 |
| 47.5° | 3087.3 | 2537.9 | 842.8 | 584.7 | 648.6 | 767.0 | 784.0 | 731.0 | 678.1 | 631.7 | 626.6 |
| 50° | 3335.1 | 2693.1 | 696.4 | 552.3 | 634.7 | 761.9 | 783.2 | 712.6 | 649.4 | 595.0 | 591.3 |
| 52.5° | 3605.8 | 2844.6 | 588.3 | 527.3 | 620.7 | 746.5 | 779.5 | 692.0 | 619.2 | 560.4 | 556.0 |
| 55° | 3786.0 | 2904.2 | 515.5 | 503.8 | 597.9 | 722.2 | 764.8 | 672.2 | 573.6 | 519.9 | 513.3 |
| 57.5° | 3838.9 | 2827.7 | 464.8 | 482.4 | 568.5 | 688.4 | 736.9 | 630.3 | 545.7 | 503.0 | 497.9 |
| 60° | 3747.7 | 2635.0 | 433.2 | 464.8 | 536.1 | 645.0 | 688.4 | 606.0 | 523.6 | 485.4 | 481.7 |
| 62.5° | 3490.3 | 2337.9 | 408.9 | 446.4 | 503.0 | 599.4 | 657.5 | 576.6 | 499.4 | 469.2 | 464.1 |
| 65° | 2972.6 | 1917.2 | 389.0 | 427.3 | 471.4 | 556.0 | 623.6 | 547.2 | 472.9 | 450.1 | 444.2 |
| 67.5° | 2079.0 | 1346.6 | 367.7 | 404.5 | 439.8 | 514.1 | 588.3 | 519.9 | 445.7 | 428.8 | 422.9 |
| 70° | 1016.4 | 714.1 | 342.0 | 378.0 | 406.0 | 471.4 | 553.0 | 486.9 | 409.6 | 400.1 | 392.0 |
| 72.5° | 483.9 | 399.3 | 311.8 | 342.0 | 359.6 | 414.8 | 494.2 | 439.0 | 367.0 | 346.4 | 332.4 |
| 75° | 324.3 | 283.9 | 272.1 | 299.3 | 303.7 | 347.9 | 423.6 | 378.7 | 323.6 | 300.1 | 288.3 |
| 77.5° | 245.6 | 217.0 | 228.7 | 253.0 | 244.2 | 286.1 | 348.6 | 337.6 | 292.0 | 270.6 | 264.8 |
| 80° | 172.8 | 158.1 | 181.6 | 196.4 | 189.7 | 243.4 | 314.0 | 289.0 | 240.5 | 217.0 | 212.5 |
| 82.5° | 108.8 | 105.9 | 133.8 | 136.1 | 138.3 | 192.7 | 258.1 | 227.2 | 186.8 | 153.7 | 142.7 |
| 85° | 54.4 | 60.3 | 80.2 | 80.2 | 79.4 | 99.3 | 147.1 | 128.0 | 100.8 | 80.2 | 78.0 |
| 87.5° | 18.4 | 25.7 | 34.6 | 27.9 | 21.3 | 16.9 | 19.1 | 23.5 | 25.0 | 24.3 | 24.3 |
| 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)