

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: P632284

Luminaire Tested: GWS-SA2C-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9134.7 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.2
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

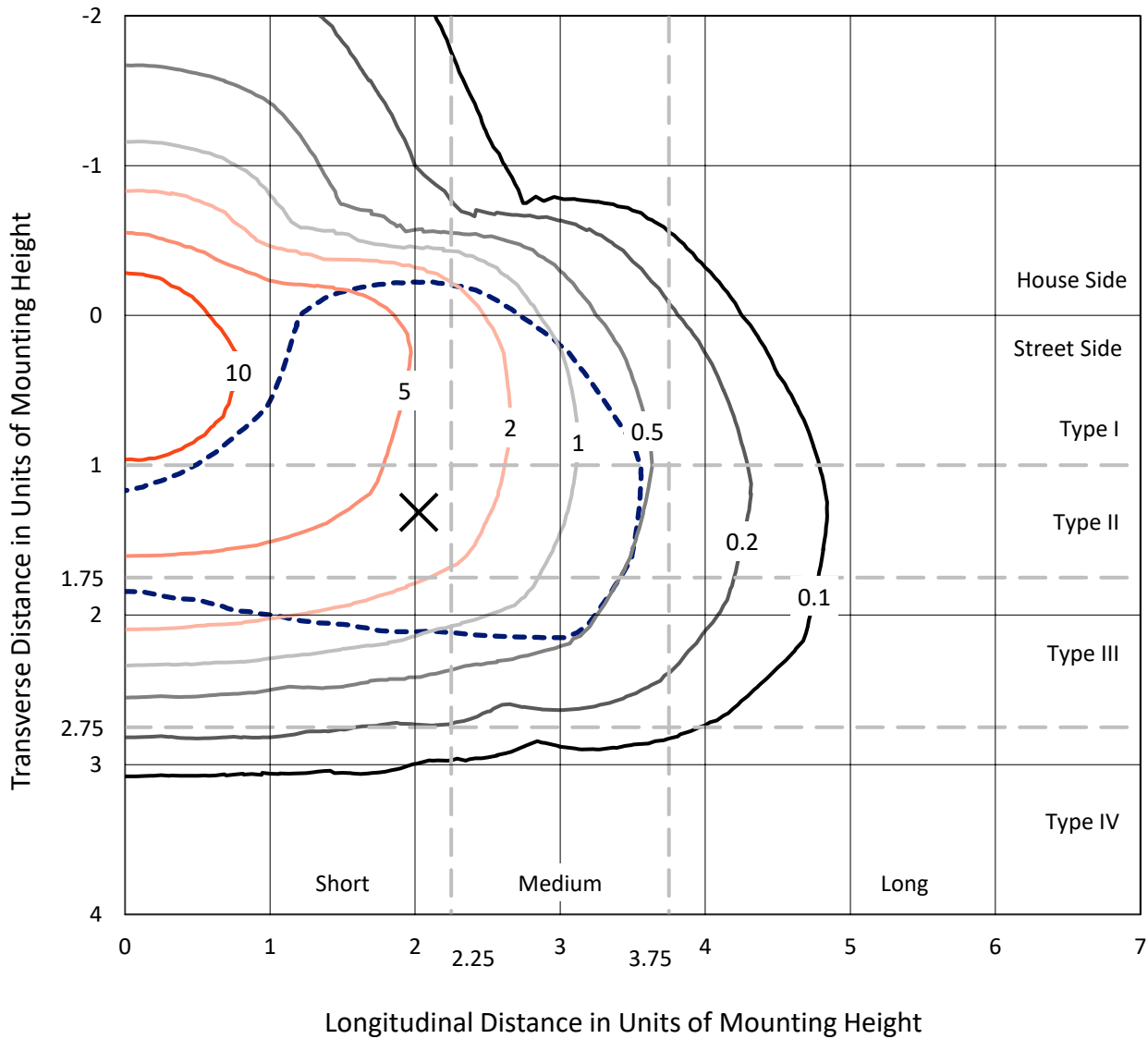


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Iso-Footcandle Lines of Horizontal Illumination

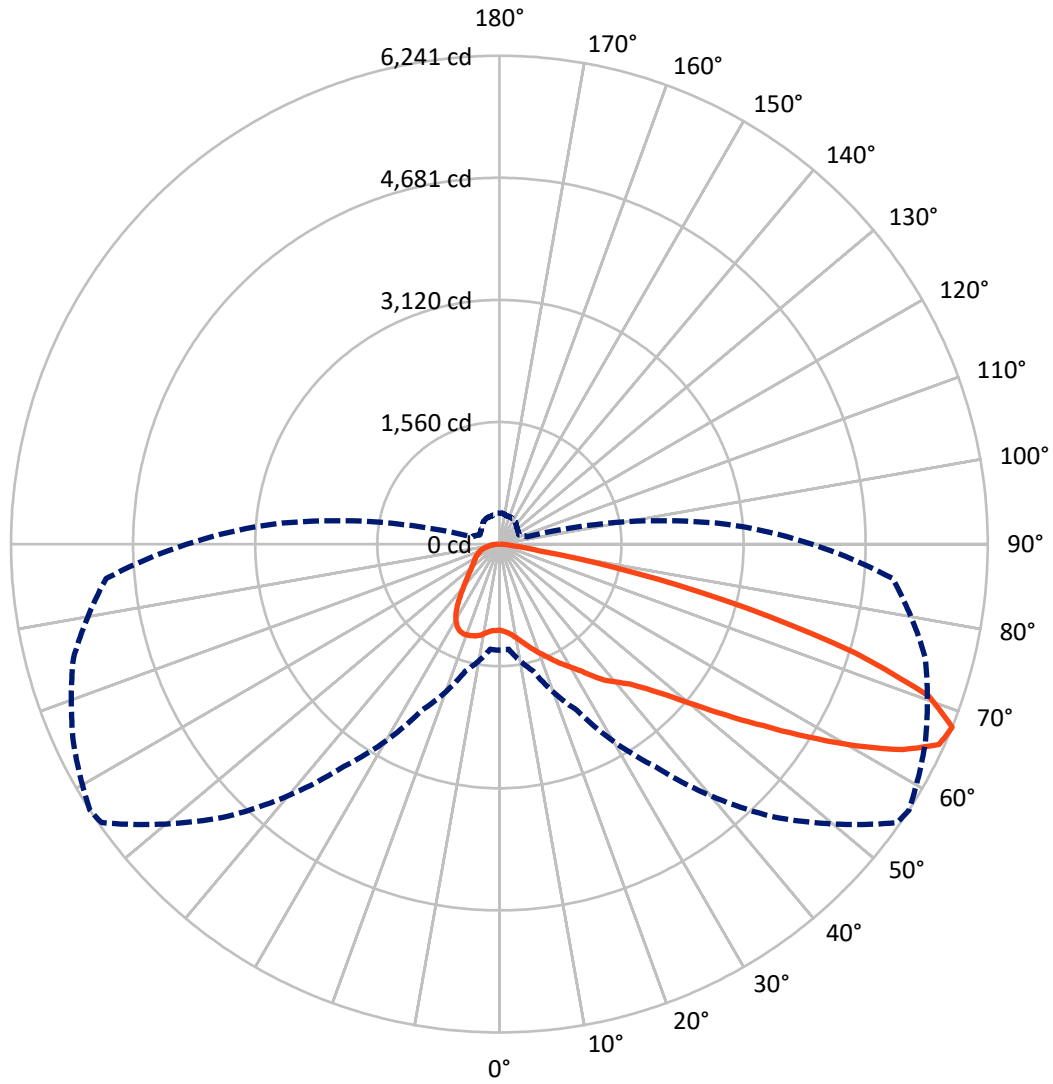
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2008.4 | 0.0 | 2008.4 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 7126.3 | 0.0 | 7126.3 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 9134.7 | 0.0 | 9134.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 109.2 | 1.2 |
| 10°-20° | 361.4 | 4.0 |
| 20°-30° | 644.3 | 7.1 |
| 30°-40° | 936.7 | 10.3 |
| 40°-50° | 1355.7 | 14.8 |
| 50°-60° | 2121.7 | 23.2 |
| 60°-70° | 2475.1 | 27.1 |
| 70°-80° | 1033.2 | 11.3 |
| 80°-90° | 97.5 | 1.1 |
| 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° | 9134.7 | 100.0 |
| 0°-180° | 9134.7 | 100.0 |

Coefficient of Utilization



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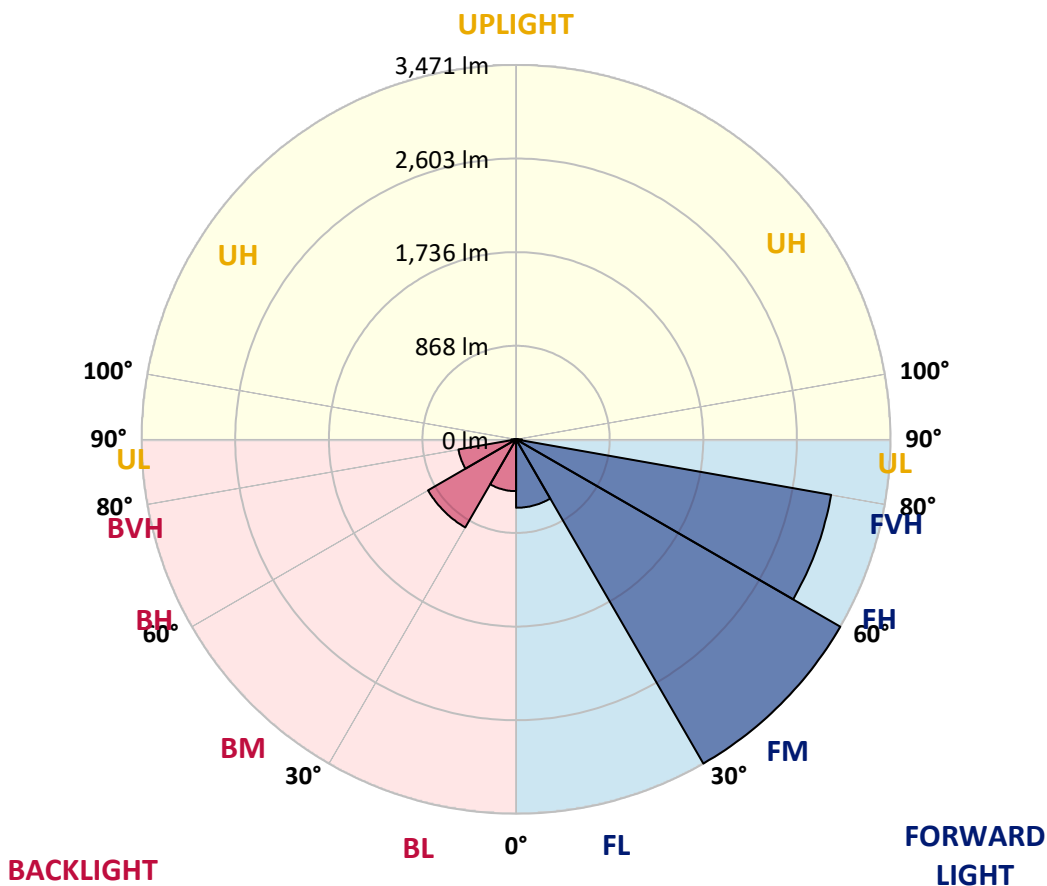
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 634.5 | 6.9 | | | |
| FM (30°-60°) | 3471.3 | 38.0 | | | |
| FH (60°-80°) | 2966.2 | 32.5 | | | G2/5000 |
| FVH (80°-90°) | 54.3 | 0.6 | | | G1/100 |
| BL (0°-30°) | 480.3 | 5.3 | B1/500 | | |
| BM (30°-60°) | 942.8 | 10.3 | B1/1000 | | |
| BH (60°-80°) | 542.1 | 5.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 43.2 | 0.5 | | | 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 Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 |
| 2.5° | 1116.4 | 1115.1 | 1114.4 | 1118.3 | 1117.0 | 1116.4 | 1116.4 | 1115.7 | 1114.4 | 1109.2 | 1102.0 |
| 5° | 1147.1 | 1144.5 | 1141.9 | 1145.2 | 1142.5 | 1139.9 | 1139.3 | 1138.0 | 1133.4 | 1125.5 | 1114.4 |
| 7.5° | 1179.2 | 1176.6 | 1177.2 | 1179.2 | 1177.2 | 1175.9 | 1174.0 | 1172.7 | 1165.5 | 1153.0 | 1138.0 |
| 10° | 1224.3 | 1224.3 | 1225.7 | 1227.6 | 1228.3 | 1226.3 | 1222.4 | 1220.4 | 1211.9 | 1196.2 | 1175.3 |
| 12.5° | 1289.8 | 1288.5 | 1288.5 | 1287.2 | 1289.1 | 1287.2 | 1283.2 | 1280.0 | 1269.5 | 1249.2 | 1219.1 |
| 15° | 1376.2 | 1370.9 | 1366.3 | 1357.8 | 1355.2 | 1348.0 | 1349.3 | 1347.4 | 1337.6 | 1310.1 | 1272.1 |
| 17.5° | 1468.4 | 1467.8 | 1460.6 | 1443.6 | 1426.6 | 1414.8 | 1417.4 | 1416.7 | 1411.5 | 1374.2 | 1325.8 |
| 20° | 1549.6 | 1552.8 | 1546.3 | 1533.2 | 1510.3 | 1488.1 | 1486.8 | 1490.0 | 1483.5 | 1446.2 | 1378.8 |
| 22.5° | 1640.5 | 1637.9 | 1631.4 | 1614.4 | 1597.3 | 1573.8 | 1565.9 | 1563.3 | 1560.7 | 1518.2 | 1433.1 |
| 25° | 1726.9 | 1734.8 | 1726.3 | 1710.6 | 1684.4 | 1658.9 | 1652.3 | 1654.9 | 1647.7 | 1591.5 | 1491.3 |
| 27.5° | 1836.2 | 1839.5 | 1834.2 | 1812.6 | 1790.4 | 1754.4 | 1742.0 | 1742.0 | 1739.3 | 1660.2 | 1537.1 |
| 30° | 1952.7 | 1961.8 | 1952.7 | 1935.0 | 1912.1 | 1860.4 | 1833.6 | 1831.0 | 1823.1 | 1730.8 | 1590.8 |
| 32.5° | 2069.8 | 2076.4 | 2069.8 | 2052.8 | 2026.6 | 1981.5 | 1942.9 | 1937.0 | 1926.5 | 1808.1 | 1645.8 |
| 35° | 2173.9 | 2179.7 | 2178.4 | 2182.4 | 2160.8 | 2103.8 | 2080.3 | 2077.7 | 2050.2 | 1908.8 | 1720.4 |
| 37.5° | 2287.7 | 2294.9 | 2285.1 | 2293.0 | 2284.4 | 2230.8 | 2223.6 | 2210.5 | 2171.2 | 2003.7 | 1798.9 |
| 40° | 2417.3 | 2423.8 | 2408.1 | 2411.4 | 2401.6 | 2371.5 | 2334.8 | 2317.2 | 2258.9 | 2106.5 | 1922.6 |
| 42.5° | 2556.0 | 2571.1 | 2578.3 | 2572.4 | 2549.5 | 2532.5 | 2468.3 | 2446.1 | 2397.7 | 2291.6 | 2126.1 |
| 45° | 2756.9 | 2779.2 | 2789.6 | 2774.6 | 2764.8 | 2740.5 | 2662.0 | 2635.2 | 2609.7 | 2552.7 | 2410.1 |
| 47.5° | 2973.5 | 2993.8 | 3027.2 | 3033.7 | 3041.6 | 3023.2 | 2912.7 | 2886.5 | 2891.1 | 2884.5 | 2759.5 |
| 50° | 3146.3 | 3163.3 | 3238.5 | 3319.0 | 3385.8 | 3391.0 | 3249.7 | 3221.5 | 3246.4 | 3267.3 | 3180.3 |
| 52.5° | 3271.9 | 3287.0 | 3386.4 | 3552.6 | 3703.8 | 3815.7 | 3663.2 | 3631.2 | 3651.4 | 3698.6 | 3658.6 |
| 55° | 3374.0 | 3394.9 | 3499.0 | 3754.2 | 4059.8 | 4236.5 | 4139.0 | 4098.4 | 4089.9 | 4148.1 | 4171.0 |
| 57.5° | 3427.6 | 3434.2 | 3580.1 | 3911.9 | 4320.9 | 4649.4 | 4691.9 | 4646.1 | 4565.0 | 4597.0 | 4716.1 |
| 60° | 3305.3 | 3316.4 | 3516.0 | 3952.5 | 4527.0 | 5059.0 | 5272.3 | 5234.4 | 5061.6 | 5079.3 | 5210.8 |
| 62.5° | 2967.0 | 2982.7 | 3222.8 | 3759.4 | 4544.0 | 5332.6 | 5808.3 | 5784.1 | 5552.4 | 5456.9 | 5496.1 |
| 65° | 2380.0 | 2385.2 | 2633.9 | 3281.7 | 4205.7 | 5366.6 | 6181.9 | 6176.0 | 5895.3 | 5671.5 | 5503.3 |
| 67.5° | 1357.2 | 1348.0 | 1680.5 | 2340.7 | 3470.8 | 4924.2 | 6206.2 | 6240.8 | 6006.6 | 5636.2 | 5045.3 |
| 70° | 588.3 | 589.6 | 742.7 | 1155.0 | 2246.5 | 3979.9 | 5764.4 | 5824.0 | 5684.6 | 5047.9 | 4014.0 |
| 72.5° | 272.2 | 276.1 | 342.2 | 499.9 | 959.3 | 2469.0 | 4700.4 | 4754.1 | 4634.3 | 4040.1 | 2920.5 |
| 75° | 192.4 | 195.7 | 228.4 | 286.6 | 441.1 | 961.9 | 3144.3 | 3256.9 | 3315.1 | 3021.9 | 1924.5 |
| 77.5° | 145.9 | 150.5 | 166.9 | 198.9 | 272.2 | 340.9 | 1504.4 | 1772.7 | 2111.7 | 1880.0 | 991.4 |
| 80° | 92.9 | 92.9 | 110.6 | 132.8 | 166.2 | 177.3 | 434.5 | 515.0 | 1033.3 | 774.8 | 389.4 |
| 82.5° | 62.8 | 64.8 | 75.3 | 84.4 | 95.5 | 100.8 | 186.5 | 198.9 | 298.4 | 263.7 | 160.3 |
| 85° | 33.4 | 34.7 | 39.3 | 38.6 | 45.8 | 39.9 | 78.5 | 77.9 | 109.3 | 119.8 | 60.9 |
| 87.5° | 0.0 | 0.0 | 0.7 | 0.7 | 1.3 | 2.0 | 8.5 | 9.2 | 22.9 | 36.6 | 20.3 |
| 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° | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 | 1100.7 |
| 2.5° | 1105.9 | 1098.1 | 1102.0 | 1100.7 | 1104.6 | 1104.6 | 1097.4 | 1095.4 | 1096.1 | 1088.2 | 1085.6 |
| 5° | 1115.7 | 1106.6 | 1108.5 | 1105.9 | 1109.8 | 1113.1 | 1109.8 | 1109.8 | 1113.8 | 1107.9 | 1104.6 |
| 7.5° | 1138.0 | 1127.5 | 1127.5 | 1124.2 | 1128.8 | 1131.4 | 1128.8 | 1132.7 | 1139.9 | 1134.0 | 1130.8 |
| 10° | 1173.3 | 1160.9 | 1161.5 | 1157.6 | 1159.6 | 1158.3 | 1147.8 | 1144.5 | 1146.5 | 1141.2 | 1138.6 |
| 12.5° | 1219.1 | 1202.1 | 1202.1 | 1194.2 | 1189.7 | 1175.9 | 1154.3 | 1146.5 | 1147.8 | 1143.2 | 1141.2 |
| 15° | 1263.0 | 1247.3 | 1244.0 | 1228.3 | 1207.3 | 1181.8 | 1162.2 | 1156.9 | 1158.3 | 1153.7 | 1150.4 |
| 17.5° | 1314.7 | 1294.4 | 1282.6 | 1253.8 | 1215.2 | 1189.0 | 1169.4 | 1156.9 | 1146.5 | 1136.0 | 1133.4 |
| 20° | 1362.4 | 1336.9 | 1315.3 | 1270.8 | 1223.7 | 1187.7 | 1151.1 | 1120.3 | 1094.8 | 1081.0 | 1077.8 |
| 22.5° | 1411.5 | 1378.8 | 1340.8 | 1282.6 | 1223.0 | 1164.1 | 1096.7 | 1050.3 | 1012.3 | 992.0 | 996.0 |
| 25° | 1458.0 | 1416.7 | 1365.0 | 1293.7 | 1202.1 | 1111.8 | 1020.2 | 950.8 | 907.6 | 891.9 | 887.3 |
| 27.5° | 1496.6 | 1445.5 | 1387.3 | 1288.5 | 1158.9 | 1036.5 | 915.5 | 838.3 | 796.4 | 778.7 | 774.1 |
| 30° | 1539.8 | 1482.2 | 1419.4 | 1264.3 | 1090.9 | 931.2 | 797.0 | 734.2 | 704.1 | 687.1 | 687.8 |
| 32.5° | 1589.5 | 1529.3 | 1464.5 | 1217.8 | 1003.8 | 817.3 | 699.5 | 656.3 | 632.1 | 615.1 | 612.5 |
| 35° | 1656.2 | 1596.7 | 1494.6 | 1147.8 | 893.2 | 712.6 | 632.8 | 597.5 | 567.3 | 545.1 | 540.5 |
| 37.5° | 1738.7 | 1698.1 | 1497.9 | 1054.2 | 774.8 | 640.6 | 585.0 | 547.1 | 510.4 | 481.0 | 477.7 |
| 40° | 1880.0 | 1833.6 | 1471.0 | 937.1 | 674.0 | 594.2 | 545.1 | 501.3 | 458.7 | 426.0 | 421.4 |
| 42.5° | 2081.6 | 1986.0 | 1413.5 | 804.9 | 598.1 | 557.5 | 507.1 | 451.5 | 408.3 | 385.4 | 382.2 |
| 45° | 2338.1 | 2156.2 | 1327.1 | 680.6 | 541.8 | 521.5 | 467.2 | 409.0 | 386.1 | 369.7 | 366.5 |
| 47.5° | 2652.2 | 2354.5 | 1227.6 | 583.7 | 498.0 | 488.8 | 426.7 | 394.6 | 374.3 | 360.6 | 357.3 |
| 50° | 3027.8 | 2607.1 | 1145.8 | 507.8 | 458.7 | 450.9 | 413.6 | 386.1 | 369.7 | 358.6 | 356.0 |
| 52.5° | 3456.4 | 2887.8 | 1105.9 | 453.5 | 424.7 | 416.8 | 409.0 | 384.1 | 370.4 | 361.9 | 358.6 |
| 55° | 3901.4 | 3183.6 | 1068.6 | 411.6 | 395.9 | 400.5 | 409.6 | 390.7 | 380.2 | 369.1 | 365.8 |
| 57.5° | 4331.3 | 3461.0 | 977.0 | 378.9 | 375.0 | 392.6 | 412.9 | 397.2 | 384.8 | 373.7 | 369.7 |
| 60° | 4627.8 | 3612.8 | 821.9 | 352.7 | 359.3 | 382.8 | 404.4 | 387.4 | 371.7 | 367.1 | 365.1 |
| 62.5° | 4707.6 | 3594.5 | 638.0 | 325.9 | 340.3 | 361.2 | 382.2 | 371.0 | 354.7 | 361.9 | 362.5 |
| 65° | 4521.1 | 3398.2 | 479.0 | 299.7 | 315.4 | 333.1 | 359.3 | 354.7 | 348.8 | 368.4 | 369.1 |
| 67.5° | 3993.0 | 2915.9 | 365.1 | 276.8 | 289.9 | 311.5 | 352.1 | 371.0 | 372.3 | 397.2 | 394.6 |
| 70° | 3021.3 | 2178.4 | 286.0 | 255.2 | 270.3 | 311.5 | 375.0 | 383.5 | 367.8 | 390.7 | 385.4 |
| 72.5° | 2088.8 | 1437.7 | 243.4 | 236.2 | 246.0 | 297.1 | 374.3 | 374.3 | 357.3 | 357.3 | 347.5 |
| 75° | 1297.6 | 845.5 | 212.0 | 212.0 | 212.0 | 259.8 | 363.8 | 344.9 | 314.8 | 301.0 | 293.2 |
| 77.5° | 640.6 | 411.0 | 178.0 | 184.5 | 177.3 | 217.3 | 297.1 | 282.0 | 263.7 | 249.3 | 244.1 |
| 80° | 273.5 | 205.5 | 144.0 | 151.2 | 142.7 | 163.6 | 235.6 | 232.3 | 214.6 | 195.7 | 189.8 |
| 82.5° | 125.6 | 106.0 | 115.2 | 118.4 | 104.0 | 123.0 | 172.1 | 172.1 | 162.3 | 136.1 | 126.3 |
| 85° | 53.7 | 56.3 | 79.8 | 79.8 | 65.4 | 69.4 | 92.3 | 87.7 | 78.5 | 64.1 | 58.9 |
| 87.5° | 18.3 | 27.5 | 40.6 | 35.3 | 13.7 | 5.9 | 3.3 | 1.3 | 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)