

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: P634375

Luminaire Tested: GWS-SA3B-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6673.2 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

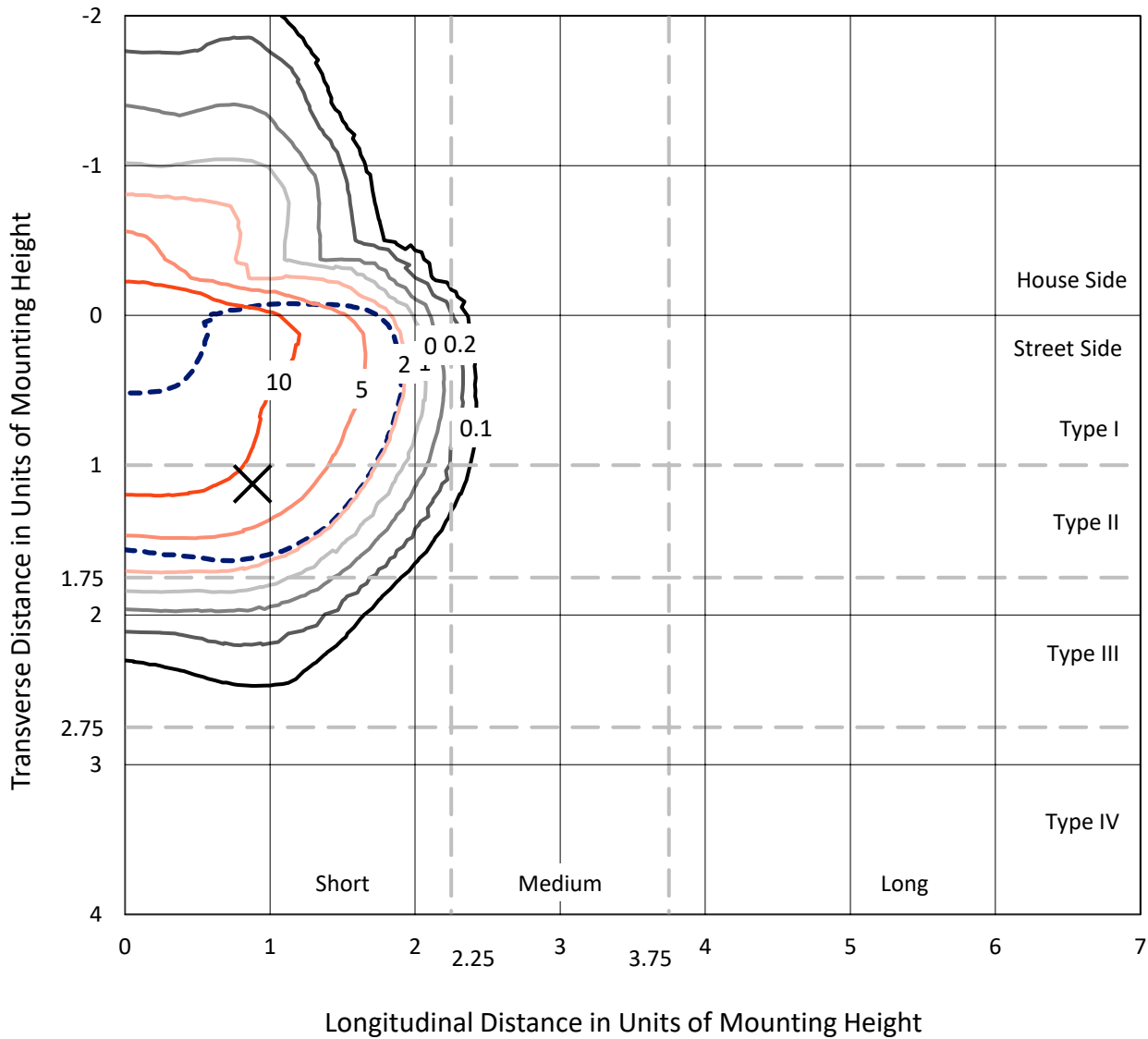
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

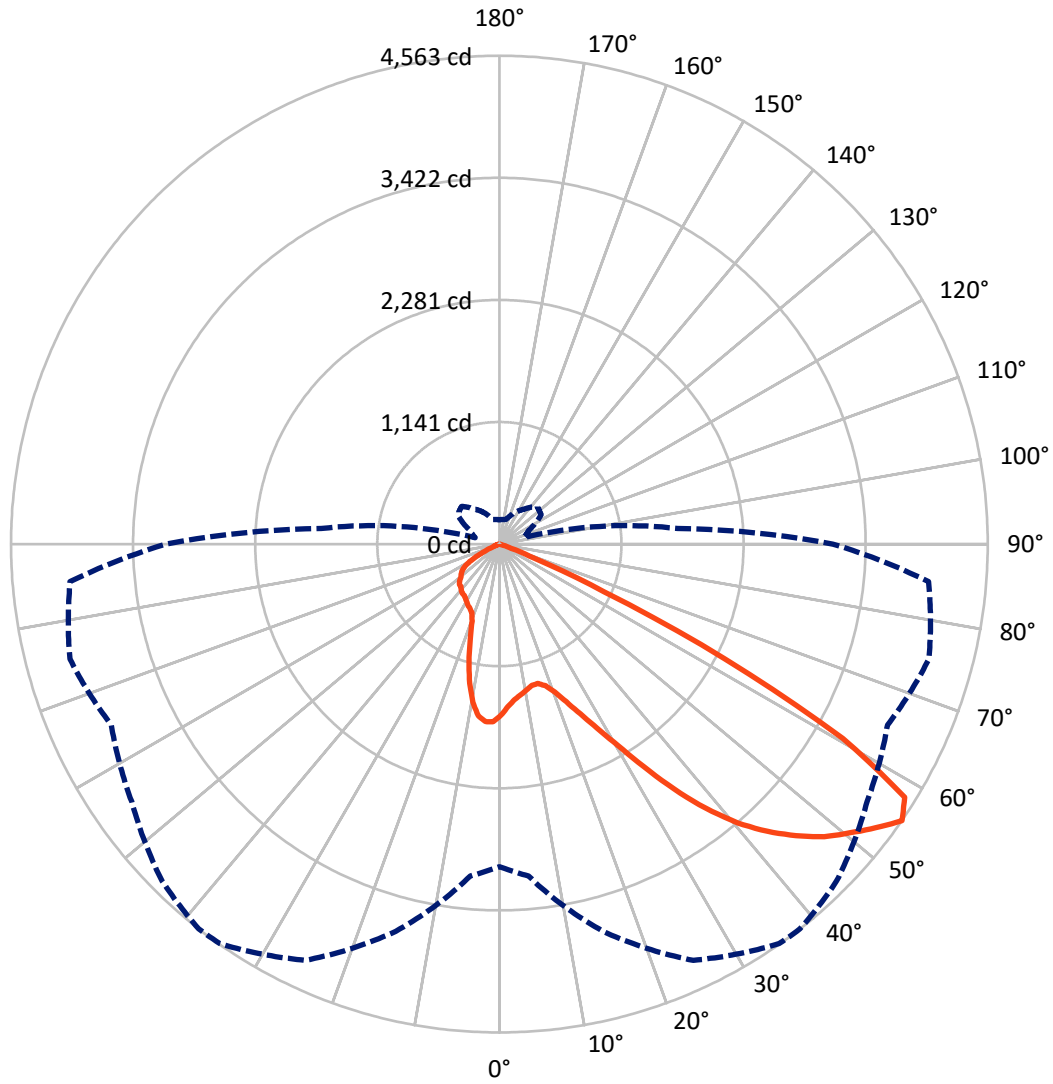
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1300.2 | 0.0 | 1300.2 |
| | % Fixture | 19.5 | 0.0 | 19.5 |
| Street Side | Lumens | 5373.1 | 0.0 | 5373.1 |
| | % Fixture | 80.5 | 0.0 | 80.5 |
| Total | Lumens | 6673.2 | 0.0 | 6673.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 148.0 | 2.2 |
| 10°-20° | 398.3 | 6.0 |
| 20°-30° | 683.6 | 10.2 |
| 30°-40° | 1133.8 | 17.0 |
| 40°-50° | 1666.7 | 25.0 |
| 50°-60° | 1947.6 | 29.2 |
| 60°-70° | 660.2 | 9.9 |
| 70°-80° | 33.8 | 0.5 |
| 80°-90° | 1.3 | 0.0 |
| 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° | 6673.2 | 100.0 |
| 0°-180° | 6673.2 | 100.0 |

Coefficient of Utilization



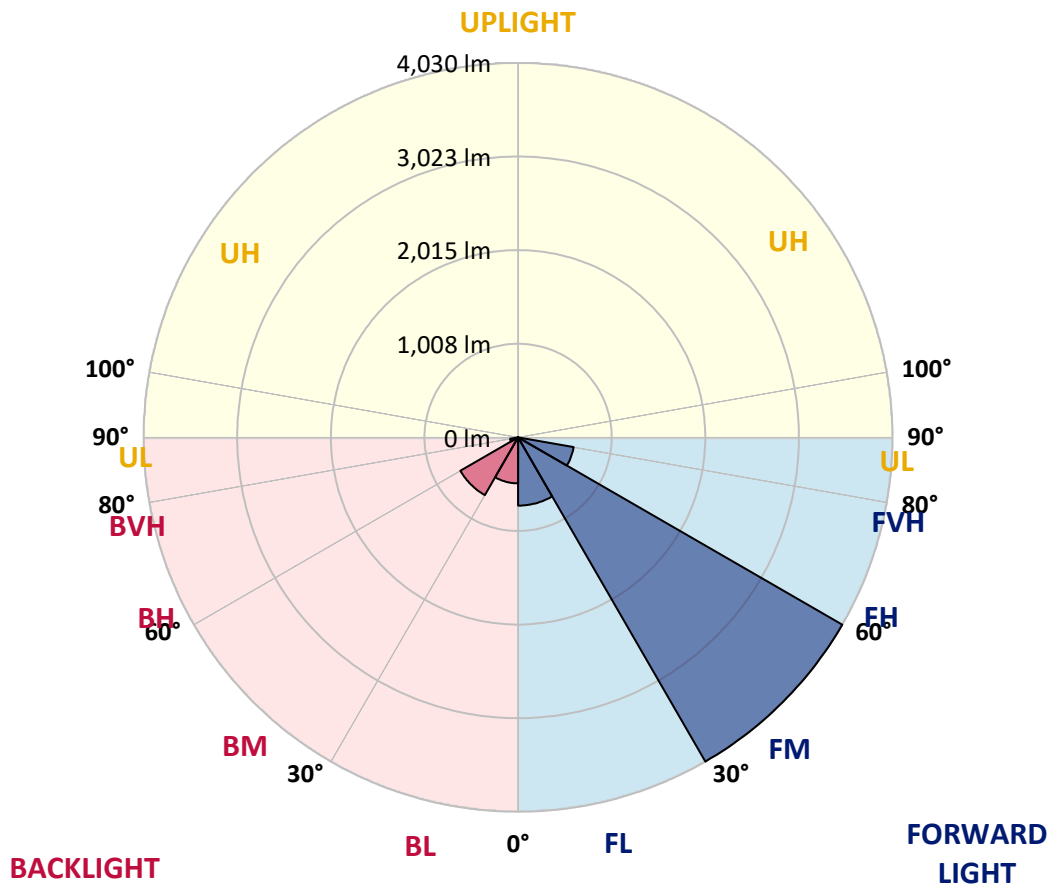
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CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 734.6 | 11.0 | | | |
| FM (30°-60°) | 4030.4 | 60.4 | | | |
| FH (60°-80°) | 607.4 | 9.1 | | | G0/660 |
| FVH (80°-90°) | 0.7 | 0.0 | | | G0/10 |
| BL (0°-30°) | 495.3 | 7.4 | B1/500 | | |
| BM (30°-60°) | 717.6 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 86.6 | 1.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.6 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0
 Type II Short





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CATALOG NUMBER: GWS-SA3B-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 38° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 |
| 2.5° | 1490.4 | 1487.4 | 1493.5 | 1505.7 | 1517.1 | 1521.0 | 1532.4 | 1548.4 | 1558.3 | 1582.0 | 1601.0 |
| 5° | 1423.3 | 1421.8 | 1427.9 | 1438.6 | 1453.8 | 1459.2 | 1476.7 | 1503.4 | 1530.1 | 1571.3 | 1611.7 |
| 7.5° | 1362.3 | 1361.5 | 1370.7 | 1394.3 | 1416.5 | 1423.3 | 1444.7 | 1477.5 | 1513.3 | 1576.6 | 1636.1 |
| 10° | 1282.2 | 1283.0 | 1300.5 | 1334.1 | 1374.5 | 1388.2 | 1422.6 | 1469.9 | 1516.4 | 1598.0 | 1680.4 |
| 12.5° | 1256.3 | 1257.8 | 1267.0 | 1292.9 | 1337.1 | 1354.7 | 1402.7 | 1474.4 | 1533.9 | 1628.5 | 1737.6 |
| 15° | 1319.6 | 1319.6 | 1312.0 | 1315.0 | 1334.8 | 1350.9 | 1401.2 | 1489.7 | 1563.7 | 1665.1 | 1794.0 |
| 17.5° | 1442.4 | 1437.8 | 1418.7 | 1392.8 | 1385.9 | 1391.3 | 1431.7 | 1522.5 | 1605.6 | 1707.8 | 1858.1 |
| 20° | 1608.7 | 1610.2 | 1572.8 | 1518.7 | 1475.2 | 1474.4 | 1498.8 | 1580.5 | 1665.9 | 1758.9 | 1927.5 |
| 22.5° | 1810.0 | 1803.9 | 1754.4 | 1680.4 | 1604.9 | 1598.8 | 1608.7 | 1668.9 | 1752.8 | 1839.8 | 2012.9 |
| 25° | 2043.5 | 2040.4 | 1970.2 | 1871.1 | 1771.1 | 1756.7 | 1756.7 | 1816.1 | 1877.2 | 1955.0 | 2115.2 |
| 27.5° | 2287.5 | 2287.5 | 2219.7 | 2105.2 | 1972.5 | 1946.6 | 1942.8 | 2012.9 | 2053.4 | 2068.6 | 2201.3 |
| 30° | 2538.5 | 2535.4 | 2468.3 | 2350.8 | 2209.0 | 2182.3 | 2171.6 | 2223.5 | 2252.4 | 2206.7 | 2308.9 |
| 32.5° | 2793.3 | 2798.6 | 2730.7 | 2621.6 | 2495.0 | 2477.5 | 2444.7 | 2444.7 | 2468.3 | 2404.2 | 2478.2 |
| 35° | 3067.1 | 3065.6 | 3012.2 | 2938.2 | 2829.9 | 2810.0 | 2755.9 | 2671.2 | 2707.1 | 2678.8 | 2712.4 |
| 37.5° | 3308.9 | 3320.3 | 3294.4 | 3239.5 | 3151.8 | 3131.9 | 3042.7 | 2889.4 | 2916.8 | 2961.1 | 2990.8 |
| 40° | 3554.5 | 3563.6 | 3589.6 | 3572.0 | 3461.4 | 3424.8 | 3266.2 | 3014.5 | 3045.0 | 3196.8 | 3282.2 |
| 42.5° | 3795.5 | 3800.1 | 3852.7 | 3881.7 | 3733.7 | 3669.7 | 3435.5 | 3090.7 | 3122.8 | 3381.3 | 3530.8 |
| 45° | 3948.8 | 3958.8 | 4045.7 | 4134.2 | 3974.0 | 3886.3 | 3582.7 | 3188.4 | 3202.1 | 3509.5 | 3714.7 |
| 47.5° | 3942.7 | 3965.6 | 4128.9 | 4289.8 | 4180.7 | 4086.1 | 3759.7 | 3344.7 | 3321.8 | 3630.0 | 3836.0 |
| 50° | 3819.9 | 3847.4 | 4081.6 | 4337.1 | 4329.5 | 4241.7 | 3956.5 | 3571.3 | 3499.6 | 3736.8 | 3851.2 |
| 52.5° | 3565.2 | 3644.5 | 3998.4 | 4343.2 | 4449.2 | 4405.0 | 4199.8 | 3876.4 | 3739.8 | 3890.1 | 3875.6 |
| 55° | 3014.5 | 3112.1 | 3745.9 | 4291.3 | 4557.5 | 4562.9 | 4455.3 | 4194.5 | 4000.7 | 4154.0 | 4025.9 |
| 57.5° | 2288.3 | 2366.1 | 2883.3 | 3819.9 | 4378.3 | 4466.0 | 4554.5 | 4362.3 | 4161.7 | 4334.0 | 4061.0 |
| 60° | 1379.1 | 1469.1 | 1805.5 | 2803.2 | 3536.2 | 3685.7 | 4032.7 | 3995.4 | 3753.6 | 3827.6 | 3330.2 |
| 62.5° | 559.1 | 606.4 | 833.7 | 1544.6 | 2225.8 | 2365.3 | 2697.9 | 2754.4 | 2694.9 | 2619.3 | 2019.8 |
| 65° | 204.4 | 223.5 | 334.1 | 638.4 | 1023.6 | 1074.7 | 1250.2 | 1350.1 | 1432.5 | 1219.7 | 751.3 |
| 67.5° | 126.6 | 138.8 | 217.4 | 328.0 | 372.2 | 346.3 | 352.4 | 420.3 | 401.2 | 247.9 | 134.2 |
| 70° | 93.8 | 103.7 | 170.1 | 227.3 | 150.3 | 115.9 | 78.6 | 83.9 | 75.5 | 66.4 | 65.6 |
| 72.5° | 64.8 | 74.0 | 127.4 | 134.2 | 58.0 | 41.2 | 29.0 | 40.4 | 45.8 | 45.0 | 46.5 |
| 75° | 42.7 | 49.6 | 80.1 | 52.6 | 14.5 | 11.4 | 9.9 | 21.4 | 27.5 | 27.5 | 28.2 |
| 77.5° | 25.2 | 29.0 | 28.2 | 10.7 | 3.1 | 3.1 | 2.3 | 3.8 | 6.1 | 6.9 | 8.4 |
| 80° | 3.1 | 2.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 2.3 | 2.3 |
| 82.5° | 0.8 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 2.3 |
| 85° | 0.0 | 0.0 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 2.3 |
| 87.5° | 0.0 | 0.0 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 2.3 |
| 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° | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 | 1600.3 |
| 2.5° | 1615.5 | 1610.2 | 1632.3 | 1648.3 | 1661.3 | 1667.4 | 1659.0 | 1658.3 | 1658.3 | 1641.5 | 1636.9 |
| 5° | 1634.6 | 1636.9 | 1668.2 | 1681.9 | 1684.2 | 1676.6 | 1657.5 | 1644.5 | 1636.9 | 1619.4 | 1609.4 |
| 7.5° | 1671.2 | 1678.8 | 1708.6 | 1706.3 | 1685.7 | 1650.6 | 1600.3 | 1561.4 | 1536.2 | 1508.8 | 1492.0 |
| 10° | 1723.9 | 1738.3 | 1756.7 | 1724.6 | 1659.0 | 1569.8 | 1466.0 | 1392.0 | 1347.8 | 1316.5 | 1297.5 |
| 12.5° | 1787.9 | 1802.4 | 1796.3 | 1720.8 | 1584.3 | 1424.8 | 1291.4 | 1184.6 | 1133.5 | 1105.2 | 1085.4 |
| 15° | 1852.8 | 1861.9 | 1822.2 | 1675.0 | 1452.3 | 1238.0 | 1089.2 | 983.2 | 920.7 | 897.8 | 881.0 |
| 17.5° | 1919.1 | 1916.8 | 1826.8 | 1585.0 | 1276.1 | 1027.4 | 881.0 | 808.5 | 791.0 | 787.2 | 785.6 |
| 20° | 1988.5 | 1967.9 | 1808.5 | 1456.1 | 1064.1 | 819.2 | 736.1 | 740.6 | 772.7 | 787.9 | 791.0 |
| 22.5° | 2067.9 | 2016.0 | 1762.8 | 1281.4 | 847.4 | 682.7 | 691.1 | 736.1 | 779.5 | 800.1 | 803.2 |
| 25° | 2152.5 | 2060.2 | 1686.5 | 1057.2 | 668.2 | 627.8 | 677.3 | 729.2 | 775.7 | 800.9 | 804.0 |
| 27.5° | 2208.2 | 2070.9 | 1561.4 | 831.4 | 573.6 | 606.4 | 659.0 | 708.6 | 756.7 | 784.1 | 787.9 |
| 30° | 2268.5 | 2066.3 | 1391.3 | 640.7 | 541.6 | 588.1 | 633.9 | 678.9 | 723.1 | 753.6 | 756.7 |
| 32.5° | 2356.9 | 2063.3 | 1183.8 | 520.2 | 528.6 | 573.6 | 607.2 | 644.5 | 675.0 | 692.6 | 690.3 |
| 35° | 2472.9 | 2059.5 | 942.0 | 469.1 | 521.0 | 562.2 | 588.9 | 606.4 | 572.8 | 562.2 | 564.4 |
| 37.5° | 2621.6 | 2068.6 | 738.4 | 447.7 | 518.7 | 559.1 | 582.0 | 531.6 | 479.8 | 459.9 | 456.9 |
| 40° | 2786.4 | 2092.3 | 562.9 | 439.4 | 526.3 | 566.7 | 556.1 | 472.9 | 408.8 | 369.9 | 361.6 |
| 42.5° | 2951.9 | 2118.2 | 445.5 | 436.3 | 539.3 | 588.1 | 513.3 | 430.2 | 334.1 | 312.0 | 308.9 |
| 45° | 3074.7 | 2113.6 | 385.2 | 431.0 | 550.7 | 600.3 | 501.9 | 369.2 | 298.2 | 288.3 | 289.1 |
| 47.5° | 3136.5 | 2063.3 | 352.4 | 418.8 | 555.3 | 588.1 | 473.7 | 344.0 | 273.8 | 284.5 | 293.7 |
| 50° | 3103.7 | 1932.9 | 321.9 | 395.1 | 545.4 | 572.1 | 428.7 | 324.9 | 261.6 | 305.9 | 326.5 |
| 52.5° | 3064.0 | 1772.7 | 288.3 | 358.5 | 521.7 | 550.0 | 411.1 | 319.6 | 254.0 | 295.2 | 310.4 |
| 55° | 3116.7 | 1671.2 | 233.4 | 302.1 | 475.2 | 498.1 | 397.4 | 318.8 | 236.5 | 229.6 | 227.3 |
| 57.5° | 3042.7 | 1469.1 | 167.0 | 217.4 | 364.6 | 394.4 | 387.5 | 313.5 | 209.8 | 209.0 | 212.0 |
| 60° | 2351.6 | 896.3 | 114.4 | 138.1 | 223.5 | 251.7 | 351.6 | 299.8 | 180.8 | 166.3 | 167.0 |
| 62.5° | 1336.4 | 381.4 | 78.6 | 85.4 | 114.4 | 135.8 | 268.5 | 272.3 | 167.0 | 158.7 | 167.0 |
| 65° | 465.3 | 136.5 | 61.0 | 57.2 | 63.3 | 72.5 | 154.1 | 210.5 | 151.8 | 137.3 | 138.8 |
| 67.5° | 96.1 | 67.9 | 54.2 | 47.3 | 47.3 | 47.3 | 78.6 | 131.2 | 125.1 | 109.1 | 110.6 |
| 70° | 61.0 | 58.0 | 47.3 | 40.4 | 38.9 | 35.9 | 45.0 | 72.5 | 86.2 | 79.3 | 80.1 |
| 72.5° | 45.0 | 44.2 | 37.4 | 32.8 | 29.0 | 25.9 | 28.2 | 35.9 | 44.2 | 45.8 | 46.5 |
| 75° | 27.5 | 28.2 | 24.4 | 20.6 | 18.3 | 16.0 | 16.8 | 16.8 | 16.8 | 15.3 | 16.8 |
| 77.5° | 8.4 | 9.2 | 7.6 | 6.1 | 5.3 | 5.3 | 5.3 | 4.6 | 3.8 | 2.3 | 2.3 |
| 80° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 0.8 | 0.8 | 0.0 | 0.0 |
| 82.5° | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 85° | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 0.8 | 0.8 | 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)