

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: P634267

Luminaire Tested: GWS-SA3B-735-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634267  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

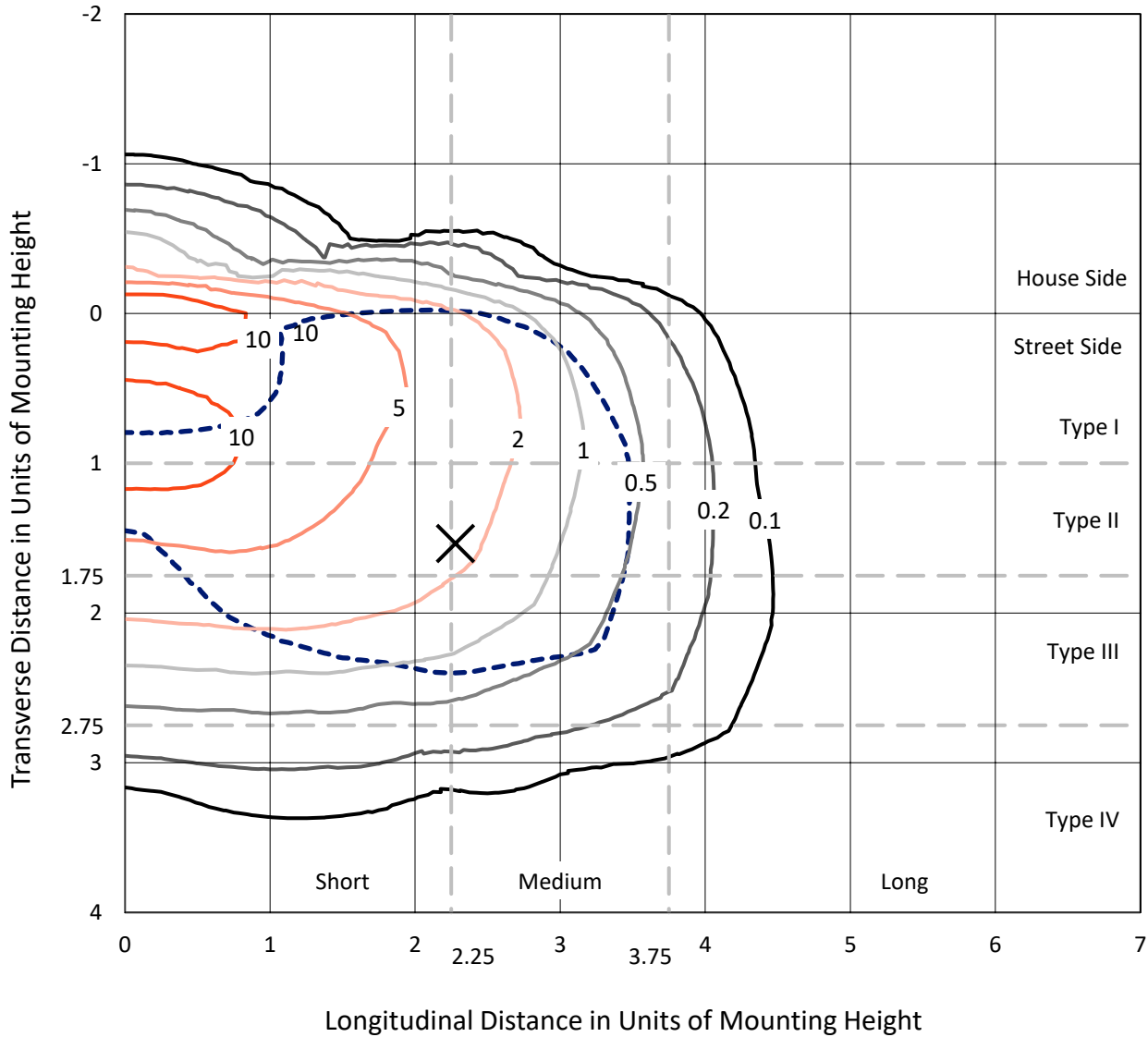
Lumens per Lamp: N/A  
Luminaire Lumens: 8030.9 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P634267  
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### Iso-Footcandle Lines of Horizontal Illumination

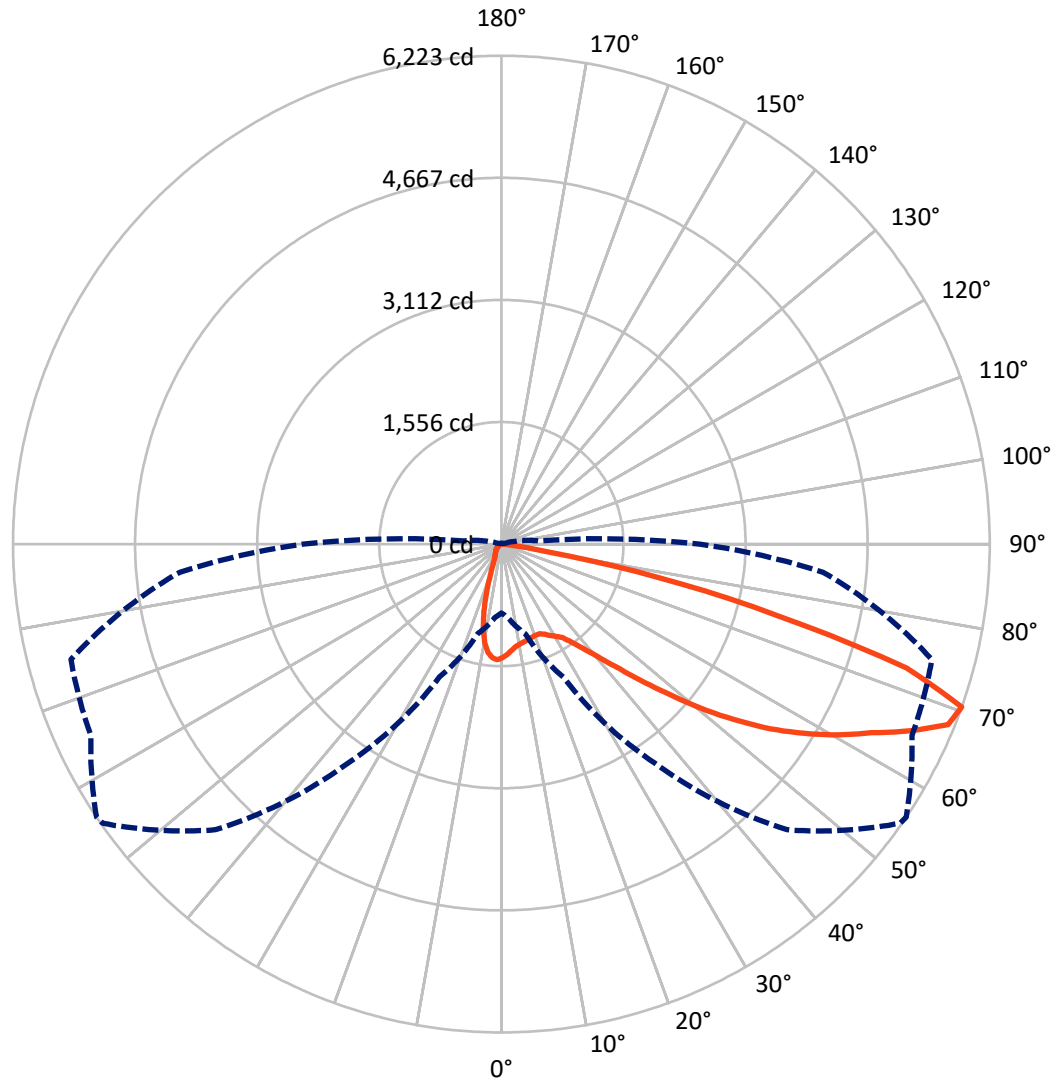
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P634267  
CATALOG NUMBER: GWS-SA3B-735-U-T3R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 721.3    | 0.0    | 721.3  |
|                    | % Fixture | 9.0      | 0.0    | 9.0    |
| <b>Street Side</b> | Lumens    | 7309.6   | 0.0    | 7309.6 |
|                    | % Fixture | 91.0     | 0.0    | 91.0   |
| <b>Total</b>       | Lumens    | 8030.9   | 0.0    | 8030.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 124.3  | 1.5       |
| 10°-20°   | 279.6  | 3.5       |
| 20°-30°   | 442.9  | 5.5       |
| 30°-40°   | 763.8  | 9.5       |
| 40°-50°   | 1289.9 | 16.1      |
| 50°-60°   | 1895.2 | 23.6      |
| 60°-70°   | 2246.9 | 28.0      |
| 70°-80°   | 958.2  | 11.9      |
| 80°-90°   | 30.1   | 0.4       |
| 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°    | 8030.9 | 100.0     |
| 0°-180°   | 8030.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P634267

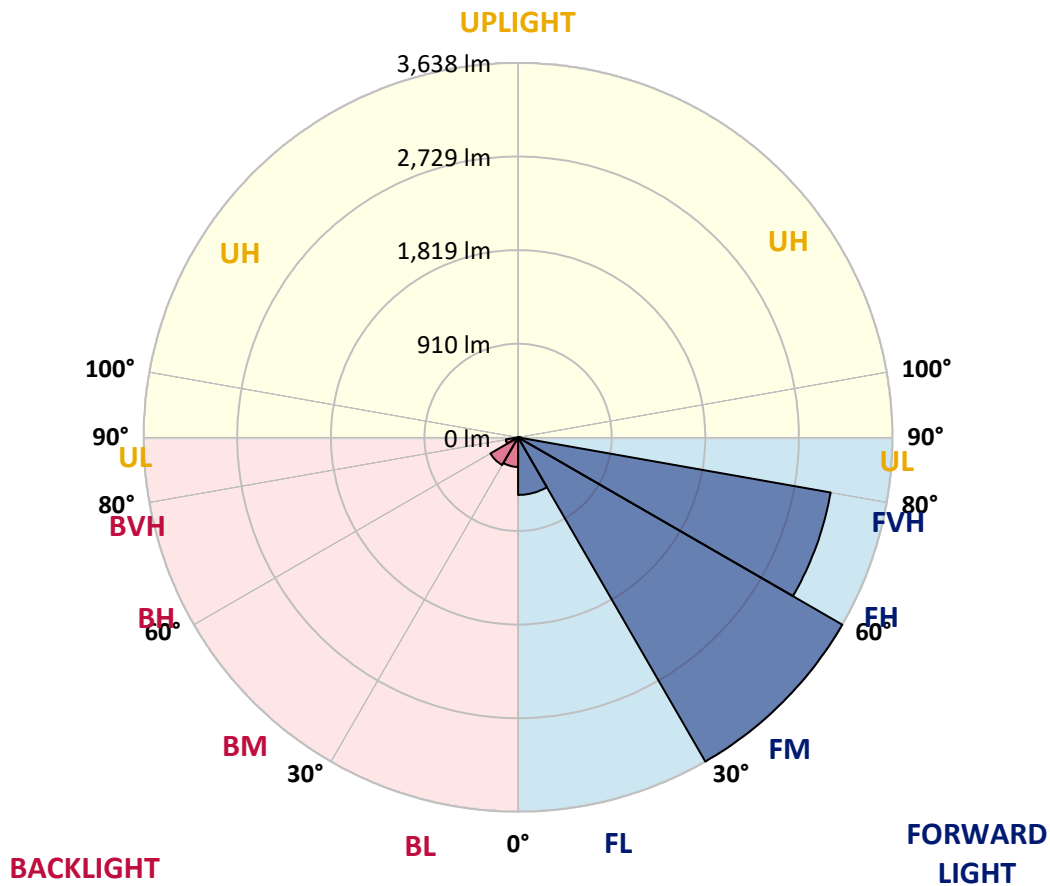
CATALOG NUMBER: GWS-SA3B-735-U-T3R-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 559.6  | 7.0       |                         |      |         |
| FM (30°-60°)   | 3638.2 | 45.3      |                         |      |         |
| FH (60°-80°)   | 3084.7 | 38.4      |                         |      | G2/5000 |
| FVH (80°-90°)  | 27.0   | 0.3       |                         |      | G1/100  |
| BL (0°-30°)    | 287.3  | 3.6       | B1/500                  |      |         |
| BM (30°-60°)   | 310.7  | 3.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 120.3  | 1.5       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 3.1    | 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-G2**

Type III Medium





REPORT NUMBER: P634267

CATALOG NUMBER: GWS-SA3B-735-U-T3R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 |
| 2.5°  | 1348.0 | 1345.8 | 1347.3 | 1358.3 | 1378.9 | 1388.5 | 1404.7 | 1407.6 | 1420.8 | 1437.8 | 1444.4 |
| 5°    | 1260.5 | 1253.2 | 1256.8 | 1272.3 | 1295.8 | 1322.3 | 1352.4 | 1360.5 | 1393.6 | 1431.1 | 1459.1 |
| 7.5°  | 1180.4 | 1172.3 | 1181.1 | 1205.4 | 1238.5 | 1267.1 | 1312.0 | 1317.1 | 1370.1 | 1436.3 | 1487.0 |
| 10°   | 1054.6 | 1056.8 | 1074.5 | 1117.1 | 1167.9 | 1227.4 | 1287.7 | 1295.1 | 1360.5 | 1453.2 | 1531.9 |
| 12.5° | 958.3  | 953.1  | 972.2  | 1020.8 | 1092.1 | 1178.9 | 1269.3 | 1278.9 | 1361.3 | 1478.9 | 1589.3 |
| 15°   | 913.4  | 911.9  | 920.0  | 955.3  | 1024.4 | 1126.7 | 1252.4 | 1264.9 | 1370.8 | 1502.5 | 1643.7 |
| 17.5° | 914.9  | 912.7  | 911.9  | 932.5  | 984.0  | 1087.7 | 1234.0 | 1250.2 | 1378.9 | 1528.2 | 1701.0 |
| 20°   | 978.9  | 968.6  | 950.2  | 940.6  | 971.5  | 1062.7 | 1221.5 | 1239.9 | 1390.7 | 1555.4 | 1762.1 |
| 22.5° | 1112.7 | 1116.4 | 1067.1 | 1015.6 | 1000.9 | 1065.6 | 1220.1 | 1241.4 | 1416.4 | 1598.1 | 1837.1 |
| 25°   | 1380.4 | 1374.5 | 1283.3 | 1167.9 | 1087.7 | 1099.5 | 1245.8 | 1271.6 | 1467.2 | 1659.1 | 1907.7 |
| 27.5° | 1715.7 | 1720.9 | 1595.9 | 1412.0 | 1244.3 | 1169.3 | 1292.9 | 1318.6 | 1526.0 | 1697.4 | 1954.8 |
| 30°   | 2081.3 | 2076.1 | 1942.3 | 1738.5 | 1466.4 | 1285.5 | 1339.9 | 1362.7 | 1555.4 | 1718.0 | 2003.3 |
| 32.5° | 2426.9 | 2415.1 | 2282.8 | 2069.5 | 1749.6 | 1468.6 | 1404.7 | 1417.9 | 1594.4 | 1762.8 | 2068.8 |
| 35°   | 2721.8 | 2721.1 | 2605.6 | 2378.4 | 2040.8 | 1698.1 | 1515.7 | 1526.7 | 1667.2 | 1834.2 | 2165.1 |
| 37.5° | 3026.3 | 3016.0 | 2886.5 | 2679.2 | 2340.1 | 1949.6 | 1685.6 | 1681.2 | 1781.9 | 1939.3 | 2283.5 |
| 40°   | 3276.3 | 3269.7 | 3170.4 | 2971.1 | 2651.2 | 2227.6 | 1891.5 | 1878.3 | 1918.0 | 2084.9 | 2448.2 |
| 42.5° | 3461.6 | 3462.4 | 3431.5 | 3310.1 | 2980.7 | 2549.0 | 2150.4 | 2129.8 | 2129.1 | 2304.8 | 2665.9 |
| 45°   | 3602.1 | 3611.7 | 3658.0 | 3639.6 | 3369.7 | 2923.3 | 2482.1 | 2460.7 | 2424.7 | 2590.2 | 2915.2 |
| 47.5° | 3667.6 | 3680.1 | 3819.8 | 3893.3 | 3710.2 | 3294.7 | 2877.0 | 2832.1 | 2761.5 | 2969.6 | 3194.0 |
| 50°   | 3660.9 | 3683.0 | 3877.9 | 4101.5 | 4019.1 | 3671.2 | 3307.2 | 3285.9 | 3170.4 | 3371.2 | 3469.7 |
| 52.5° | 3510.9 | 3558.0 | 3881.6 | 4228.0 | 4256.6 | 4018.4 | 3752.1 | 3712.4 | 3656.5 | 3790.4 | 3728.6 |
| 55°   | 3103.5 | 3160.9 | 3726.4 | 4268.4 | 4442.0 | 4321.4 | 4187.5 | 4155.2 | 4062.5 | 4186.0 | 3954.4 |
| 57.5° | 2882.1 | 2931.4 | 3399.9 | 4248.6 | 4599.3 | 4601.6 | 4575.1 | 4548.6 | 4472.1 | 4577.3 | 4219.1 |
| 60°   | 2749.0 | 2798.3 | 3225.6 | 4175.7 | 4742.0 | 4897.2 | 4939.1 | 4936.2 | 4825.9 | 5022.2 | 4529.5 |
| 62.5° | 2554.1 | 2621.8 | 3043.9 | 3986.7 | 4843.5 | 5188.4 | 5314.9 | 5295.1 | 5172.2 | 5485.5 | 4836.9 |
| 65°   | 2160.7 | 2219.5 | 2671.8 | 3674.9 | 4783.9 | 5429.6 | 5722.3 | 5732.6 | 5590.7 | 5921.6 | 5079.6 |
| 67.5° | 1515.0 | 1558.4 | 2007.7 | 3020.4 | 4379.5 | 5509.1 | 6139.3 | 6138.6 | 5896.6 | 6145.2 | 4972.2 |
| 70°   | 878.1  | 937.7  | 1186.2 | 1867.2 | 3407.2 | 5148.0 | 6201.8 | 6223.2 | 5772.4 | 5678.2 | 4114.7 |
| 72.5° | 339.8  | 389.0  | 672.2  | 992.1  | 1776.8 | 3943.3 | 5334.8 | 5397.3 | 4831.0 | 4380.2 | 2863.7 |
| 75°   | 101.5  | 113.3  | 316.2  | 528.0  | 713.4  | 1904.8 | 3611.7 | 3629.3 | 3313.8 | 2732.1 | 1467.9 |
| 77.5° | 75.7   | 83.8   | 138.3  | 267.0  | 250.0  | 577.3  | 1868.7 | 2040.8 | 1759.1 | 975.9  | 404.5  |
| 80°   | 51.5   | 61.0   | 98.5   | 130.2  | 92.7   | 153.7  | 525.1  | 576.6  | 536.9  | 219.2  | 101.5  |
| 82.5° | 22.8   | 29.4   | 69.9   | 65.5   | 33.8   | 44.1   | 161.8  | 172.1  | 111.0  | 66.2   | 35.3   |
| 85°   | 2.2    | 2.9    | 26.5   | 28.7   | 12.5   | 10.3   | 33.8   | 33.8   | 24.3   | 22.8   | 14.7   |
| 87.5° | 0.0    | 0.0    | 0.7    | 1.5    | 1.5    | 2.2    | 2.9    | 3.7    | 4.4    | 5.9    | 7.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P634267

CATALOG NUMBER: GWS-SA3B-735-U-T3R-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 | 1448.1 |
| 2.5°  | 1461.3 | 1452.5 | 1463.5 | 1472.3 | 1474.5 | 1458.3 | 1448.8 | 1434.8 | 1431.9 | 1432.6 | 1428.9 |
| 5°    | 1481.1 | 1476.7 | 1484.8 | 1475.3 | 1450.3 | 1403.2 | 1362.7 | 1317.9 | 1293.6 | 1279.6 | 1278.2 |
| 7.5°  | 1517.9 | 1515.7 | 1506.9 | 1463.5 | 1385.5 | 1281.1 | 1180.4 | 1081.8 | 1020.8 | 998.7  | 995.0  |
| 10°   | 1572.3 | 1567.9 | 1531.9 | 1428.9 | 1262.7 | 1062.0 | 892.8  | 751.6  | 665.6  | 640.6  | 609.7  |
| 12.5° | 1634.9 | 1626.0 | 1547.3 | 1354.7 | 1077.4 | 799.4  | 588.3  | 430.2  | 355.9  | 333.9  | 333.9  |
| 15°   | 1695.2 | 1676.0 | 1538.5 | 1231.8 | 849.4  | 519.9  | 328.7  | 248.6  | 225.8  | 219.9  | 219.9  |
| 17.5° | 1756.9 | 1720.2 | 1503.9 | 1064.2 | 586.9  | 307.4  | 219.2  | 203.7  | 200.8  | 201.5  | 202.2  |
| 20°   | 1815.0 | 1757.7 | 1442.9 | 862.7  | 374.3  | 214.7  | 196.4  | 192.7  | 191.2  | 192.7  | 191.9  |
| 22.5° | 1878.3 | 1792.2 | 1350.2 | 642.8  | 243.4  | 193.4  | 186.8  | 183.9  | 182.4  | 184.6  | 184.6  |
| 25°   | 1940.8 | 1817.2 | 1227.4 | 432.4  | 193.4  | 180.2  | 176.5  | 173.6  | 172.1  | 172.8  | 172.8  |
| 27.5° | 1973.1 | 1807.7 | 1066.4 | 275.8  | 173.6  | 166.9  | 163.3  | 159.6  | 157.4  | 156.6  | 157.4  |
| 30°   | 1995.2 | 1778.3 | 869.3  | 196.4  | 157.4  | 149.3  | 145.6  | 142.7  | 136.8  | 133.1  | 134.6  |
| 32.5° | 2029.8 | 1748.8 | 655.3  | 164.7  | 144.1  | 131.6  | 125.8  | 118.4  | 110.3  | 106.6  | 106.6  |
| 35°   | 2071.0 | 1708.4 | 459.6  | 148.6  | 130.2  | 116.9  | 105.9  | 93.4   | 83.8   | 80.9   | 80.9   |
| 37.5° | 2125.4 | 1670.2 | 305.9  | 137.5  | 118.4  | 104.4  | 89.0   | 74.3   | 64.0   | 62.5   | 61.8   |
| 40°   | 2207.0 | 1637.8 | 215.5  | 129.4  | 108.1  | 91.2   | 72.8   | 57.4   | 50.0   | 47.8   | 47.8   |
| 42.5° | 2312.9 | 1604.7 | 170.6  | 121.3  | 99.3   | 78.7   | 58.1   | 45.6   | 39.7   | 38.2   | 37.5   |
| 45°   | 2443.8 | 1565.7 | 148.6  | 114.0  | 90.5   | 65.5   | 46.3   | 38.2   | 33.8   | 32.4   | 32.4   |
| 47.5° | 2585.8 | 1512.8 | 138.3  | 104.4  | 80.2   | 53.0   | 39.0   | 33.1   | 30.9   | 30.2   | 29.4   |
| 50°   | 2725.5 | 1441.4 | 129.4  | 95.6   | 68.4   | 43.4   | 33.8   | 30.2   | 28.7   | 27.9   | 27.9   |
| 52.5° | 2847.6 | 1358.3 | 118.4  | 85.3   | 55.9   | 37.5   | 30.2   | 27.9   | 26.5   | 25.0   | 24.3   |
| 55°   | 2952.0 | 1267.9 | 104.4  | 73.5   | 45.6   | 33.1   | 27.9   | 25.7   | 24.3   | 22.8   | 22.1   |
| 57.5° | 3086.6 | 1216.4 | 83.8   | 59.6   | 37.5   | 29.4   | 25.7   | 23.5   | 22.1   | 19.9   | 19.9   |
| 60°   | 3235.9 | 1178.9 | 62.5   | 47.1   | 32.4   | 27.2   | 23.5   | 21.3   | 19.9   | 17.7   | 17.7   |
| 62.5° | 3355.7 | 1123.0 | 49.3   | 38.2   | 27.9   | 24.3   | 21.3   | 19.1   | 17.7   | 15.4   | 15.4   |
| 65°   | 3401.3 | 1007.5 | 40.4   | 30.2   | 22.8   | 21.3   | 19.1   | 17.7   | 15.4   | 13.2   | 13.2   |
| 67.5° | 3195.4 | 776.6  | 33.8   | 24.3   | 19.1   | 18.4   | 16.9   | 16.2   | 13.2   | 11.8   | 11.0   |
| 70°   | 2530.6 | 473.6  | 27.9   | 19.9   | 16.2   | 15.4   | 15.4   | 14.0   | 11.8   | 11.0   | 10.3   |
| 72.5° | 1734.1 | 244.2  | 22.8   | 16.2   | 14.0   | 14.0   | 13.2   | 12.5   | 11.0   | 10.3   | 10.3   |
| 75°   | 900.9  | 81.6   | 17.7   | 12.5   | 11.0   | 11.8   | 11.8   | 11.0   | 10.3   | 10.3   | 9.6    |
| 77.5° | 258.1  | 36.8   | 13.2   | 9.6    | 8.8    | 8.8    | 9.6    | 9.6    | 9.6    | 8.8    | 8.8    |
| 80°   | 66.9   | 21.3   | 9.6    | 7.4    | 7.4    | 7.4    | 7.4    | 8.1    | 8.8    | 8.1    | 8.1    |
| 82.5° | 27.2   | 11.8   | 6.6    | 5.9    | 5.9    | 5.9    | 5.9    | 6.6    | 7.4    | 7.4    | 7.4    |
| 85°   | 16.9   | 5.9    | 5.1    | 5.1    | 5.1    | 4.4    | 4.4    | 5.1    | 5.1    | 5.9    | 5.9    |
| 87.5° | 10.3   | 4.4    | 4.4    | 4.4    | 4.4    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 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)