

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: P634365

Luminaire Tested: GWS-SA3B-750-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

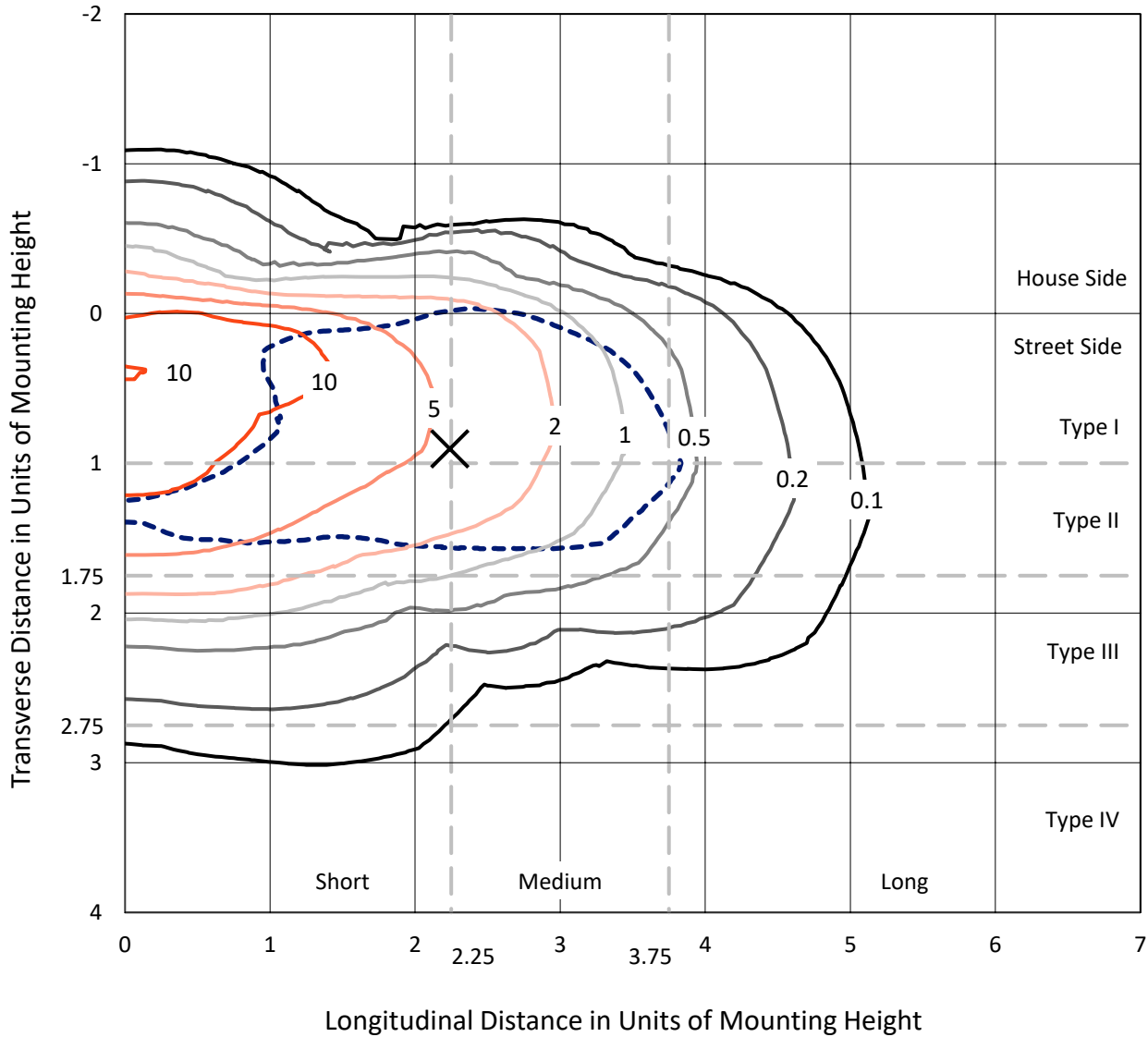
Lumens per Lamp: N/A  
Luminaire Lumens: 7969.9 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634365  
 CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

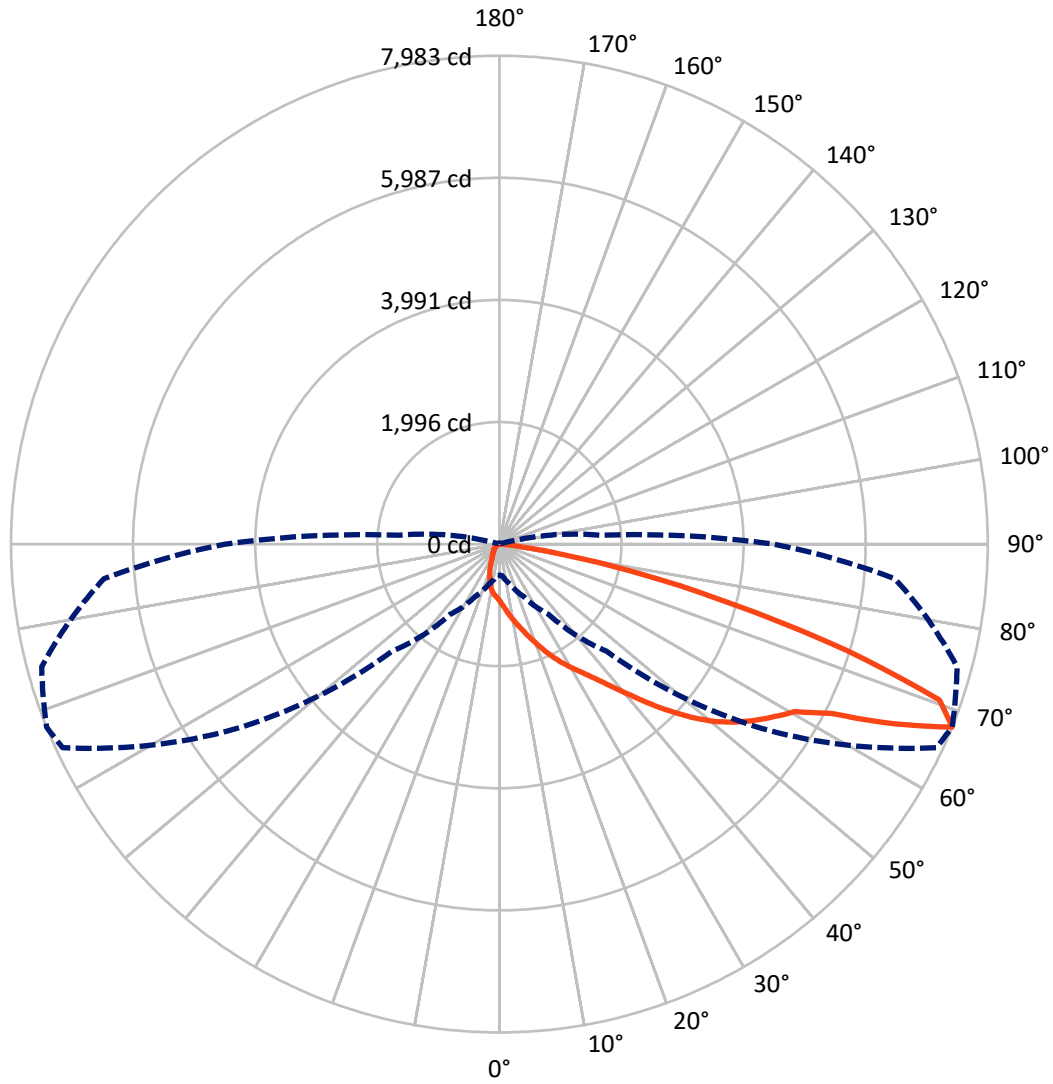
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P634365  
CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634365  
 CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 575.5    | 0.0    | 575.5  |
|                    | % Fixture | 7.2      | 0.0    | 7.2    |
| <b>Street Side</b> | Lumens    | 7394.4   | 0.0    | 7394.4 |
|                    | % Fixture | 92.8     | 0.0    | 92.8   |
| <b>Total</b>       | Lumens    | 7969.9   | 0.0    | 7969.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.5   | 1.1       |
| 10°-20°   | 259.8  | 3.3       |
| 20°-30°   | 446.4  | 5.6       |
| 30°-40°   | 776.1  | 9.7       |
| 40°-50°   | 1354.3 | 17.0      |
| 50°-60°   | 2042.6 | 25.6      |
| 60°-70°   | 2048.2 | 25.7      |
| 70°-80°   | 903.7  | 11.3      |
| 80°-90°   | 48.3   | 0.6       |
| 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°    | 7969.9 | 100.0     |
| 0°-180°   | 7969.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P634365

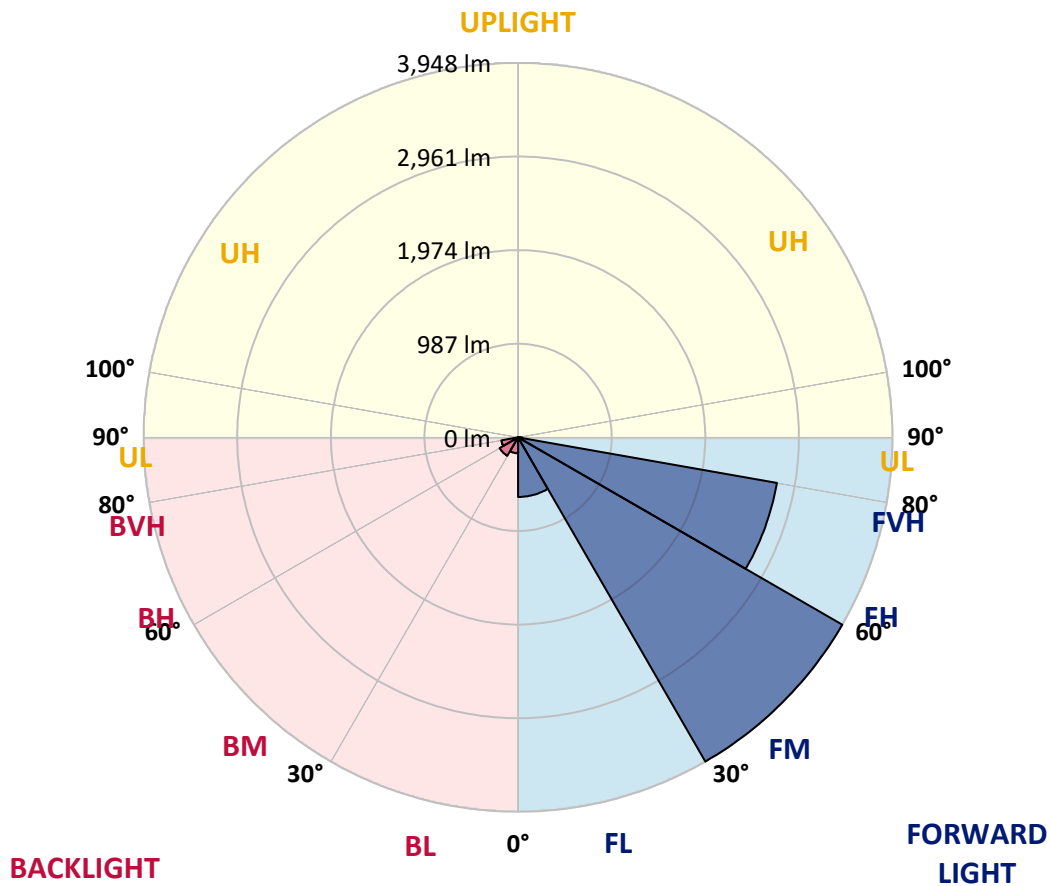
CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 628.3  | 7.9       |                         |      |         |
| FM (30°-60°)   | 3948.3 | 49.5      |                         |      |         |
| FH (60°-80°)   | 2772.3 | 34.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 45.5   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 168.4  | 2.1       | B1/500                  |      |         |
| BM (30°-60°)   | 224.8  | 2.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 179.6  | 2.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 2.7    | 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 II Short





REPORT NUMBER: P634365

CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 68°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  |
| 2.5°  | 1080.0 | 1086.9 | 1080.0 | 1081.6 | 1061.7 | 1052.6 | 1032.8 | 1005.3 | 998.4  | 980.9  | 954.2  |
| 5°    | 1212.0 | 1218.1 | 1211.2 | 1209.7 | 1186.8 | 1170.0 | 1137.2 | 1090.0 | 1076.2 | 1041.9 | 989.3  |
| 7.5°  | 1283.7 | 1287.5 | 1289.8 | 1293.6 | 1285.2 | 1271.5 | 1241.7 | 1183.0 | 1168.5 | 1112.8 | 1038.9 |
| 10°   | 1291.3 | 1294.4 | 1305.8 | 1328.7 | 1345.5 | 1353.9 | 1337.1 | 1282.9 | 1260.0 | 1205.9 | 1099.9 |
| 12.5° | 1270.0 | 1274.5 | 1292.8 | 1331.0 | 1377.5 | 1420.2 | 1430.9 | 1383.6 | 1363.0 | 1293.6 | 1171.6 |
| 15°   | 1241.7 | 1245.6 | 1270.7 | 1322.6 | 1392.8 | 1471.3 | 1515.6 | 1495.0 | 1472.1 | 1399.6 | 1250.9 |
| 17.5° | 1198.3 | 1203.6 | 1238.7 | 1308.9 | 1399.6 | 1511.8 | 1607.1 | 1614.0 | 1597.9 | 1519.4 | 1338.6 |
| 20°   | 1173.9 | 1177.7 | 1208.9 | 1281.4 | 1395.1 | 1541.5 | 1692.5 | 1757.4 | 1739.8 | 1657.4 | 1439.3 |
| 22.5° | 1194.5 | 1197.5 | 1218.1 | 1274.5 | 1379.8 | 1558.3 | 1771.8 | 1900.8 | 1890.8 | 1805.4 | 1545.3 |
| 25°   | 1302.8 | 1312.7 | 1300.5 | 1310.4 | 1386.7 | 1567.4 | 1835.9 | 2044.1 | 2046.4 | 1960.2 | 1655.1 |
| 27.5° | 1522.4 | 1509.5 | 1480.5 | 1430.9 | 1440.1 | 1591.8 | 1890.8 | 2179.2 | 2199.0 | 2111.3 | 1752.8 |
| 30°   | 1745.9 | 1738.3 | 1720.7 | 1643.7 | 1579.6 | 1646.0 | 1937.4 | 2317.2 | 2348.5 | 2260.0 | 1839.7 |
| 32.5° | 1996.9 | 2004.5 | 1973.2 | 1880.9 | 1771.8 | 1755.8 | 1985.4 | 2448.4 | 2507.1 | 2428.6 | 1941.9 |
| 35°   | 2296.6 | 2298.9 | 2237.1 | 2134.9 | 2011.3 | 1937.4 | 2071.6 | 2593.3 | 2701.6 | 2643.7 | 2078.5 |
| 37.5° | 2588.7 | 2602.5 | 2568.9 | 2408.0 | 2298.1 | 2163.1 | 2214.2 | 2779.4 | 2932.0 | 2909.1 | 2250.1 |
| 40°   | 2847.3 | 2868.7 | 2858.0 | 2702.4 | 2558.2 | 2444.6 | 2435.4 | 2997.6 | 3210.4 | 3236.3 | 2476.6 |
| 42.5° | 3053.3 | 3067.0 | 3075.4 | 2964.8 | 2837.4 | 2773.3 | 2708.5 | 3250.8 | 3539.1 | 3645.1 | 2754.3 |
| 45°   | 3270.6 | 3275.2 | 3292.8 | 3218.0 | 3106.6 | 3112.0 | 3031.1 | 3558.2 | 3885.4 | 4098.2 | 3073.1 |
| 47.5° | 3547.5 | 3562.8 | 3554.4 | 3475.8 | 3375.1 | 3435.4 | 3364.5 | 3874.7 | 4227.1 | 4581.8 | 3399.5 |
| 50°   | 3884.6 | 3900.7 | 3893.0 | 3801.5 | 3689.4 | 3714.6 | 3670.3 | 4182.1 | 4556.6 | 5037.9 | 3671.1 |
| 52.5° | 4058.5 | 4071.5 | 4166.1 | 4207.3 | 4148.6 | 3988.4 | 3931.2 | 4520.0 | 4835.0 | 5413.2 | 3920.5 |
| 55°   | 3974.6 | 3983.8 | 4189.7 | 4363.6 | 4578.7 | 4418.6 | 4193.6 | 4780.9 | 5080.6 | 5706.1 | 4105.8 |
| 57.5° | 3626.8 | 3676.4 | 3956.3 | 4250.8 | 4703.1 | 4843.4 | 4619.2 | 5064.6 | 5317.1 | 5909.7 | 4288.1 |
| 60°   | 2913.7 | 2911.4 | 3312.6 | 3841.2 | 4460.5 | 4960.1 | 5220.2 | 5448.3 | 5554.3 | 6066.1 | 4532.2 |
| 62.5° | 1610.1 | 1624.6 | 2158.6 | 2854.9 | 3786.2 | 4658.1 | 5671.0 | 6111.1 | 6095.1 | 6339.1 | 4914.3 |
| 65°   | 801.6  | 830.6  | 1120.5 | 1635.3 | 2519.3 | 3849.6 | 5748.8 | 7122.5 | 7076.7 | 6982.1 | 5703.8 |
| 67.5° | 508.7  | 520.2  | 680.4  | 950.4  | 1400.4 | 2474.3 | 5264.4 | 7876.8 | 7982.9 | 7744.9 | 6487.1 |
| 70°   | 329.5  | 348.6  | 472.9  | 649.9  | 845.1  | 1275.3 | 3856.4 | 7387.9 | 7631.2 | 7661.0 | 5999.0 |
| 72.5° | 179.2  | 193.0  | 302.0  | 463.7  | 610.2  | 637.7  | 2166.2 | 5544.4 | 5935.7 | 6498.6 | 4693.1 |
| 75°   | 102.2  | 112.1  | 165.5  | 315.0  | 447.7  | 388.2  | 960.3  | 3711.5 | 3960.9 | 4644.3 | 3362.9 |
| 77.5° | 61.8   | 70.2   | 93.1   | 153.3  | 280.7  | 259.3  | 363.1  | 2259.2 | 2417.9 | 2771.0 | 1765.0 |
| 80°   | 28.2   | 33.6   | 58.7   | 84.7   | 153.3  | 122.8  | 138.8  | 1053.3 | 1087.7 | 1137.2 | 584.3  |
| 82.5° | 13.0   | 15.3   | 26.7   | 50.3   | 87.0   | 70.9   | 53.4   | 243.3  | 342.5  | 324.2  | 148.7  |
| 85°   | 1.5    | 1.5    | 9.9    | 20.6   | 24.4   | 18.3   | 22.1   | 54.9   | 69.4   | 97.6   | 42.7   |
| 87.5° | 0.0    | 0.0    | 0.8    | 0.8    | 1.5    | 2.3    | 4.6    | 6.9    | 9.9    | 16.0   | 10.7   |
| 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: P634365  
 CATALOG NUMBER: GWS-SA3B-750-U-T2-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 927.5  | 927.5  | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 |
| 2.5°  | 942.0  | 920.6  | 901.6 | 873.3 | 854.3 | 832.9 | 818.4 | 800.9 | 794.0 | 788.7 | 781.0 |
| 5°    | 963.3  | 929.0  | 882.5 | 830.6 | 787.9 | 747.5 | 710.1 | 685.7 | 664.3 | 661.3 | 650.6 |
| 7.5°  | 998.4  | 947.3  | 868.8 | 784.1 | 711.6 | 644.5 | 591.9 | 549.2 | 527.8 | 521.0 | 508.7 |
| 10°   | 1045.0 | 974.8  | 848.2 | 718.5 | 614.0 | 533.9 | 474.4 | 426.4 | 392.8 | 380.6 | 371.5 |
| 12.5° | 1096.8 | 1000.0 | 815.4 | 637.7 | 518.7 | 427.1 | 351.6 | 300.5 | 279.2 | 271.5 | 264.7 |
| 15°   | 1156.3 | 1023.6 | 763.5 | 556.8 | 425.6 | 314.2 | 260.9 | 238.7 | 229.6 | 227.3 | 225.0 |
| 17.5° | 1213.5 | 1038.9 | 701.7 | 472.9 | 327.2 | 244.1 | 218.9 | 210.5 | 208.2 | 205.9 | 204.4 |
| 20°   | 1278.4 | 1049.5 | 629.3 | 393.6 | 254.0 | 206.7 | 194.5 | 188.4 | 183.8 | 179.2 | 178.5 |
| 22.5° | 1344.7 | 1049.5 | 550.7 | 315.8 | 212.8 | 185.3 | 171.6 | 160.2 | 151.8 | 147.2 | 145.7 |
| 25°   | 1408.0 | 1035.0 | 472.9 | 252.5 | 187.6 | 164.8 | 147.2 | 134.2 | 122.8 | 117.5 | 115.9 |
| 27.5° | 1453.0 | 997.7  | 405.0 | 213.6 | 170.1 | 146.4 | 125.1 | 110.6 | 101.4 | 96.1  | 95.3  |
| 30°   | 1481.2 | 942.0  | 342.5 | 190.7 | 154.8 | 127.4 | 106.0 | 93.8  | 87.0  | 83.1  | 81.6  |
| 32.5° | 1502.6 | 873.3  | 286.8 | 174.7 | 140.3 | 110.6 | 92.3  | 82.4  | 76.3  | 73.2  | 72.5  |
| 35°   | 1545.3 | 808.5  | 245.6 | 160.2 | 125.1 | 96.9  | 80.9  | 73.2  | 68.6  | 64.8  | 64.1  |
| 37.5° | 1604.8 | 754.4  | 212.8 | 147.2 | 110.6 | 86.2  | 73.2  | 66.4  | 62.5  | 58.7  | 58.0  |
| 40°   | 1692.5 | 720.0  | 188.4 | 134.2 | 97.6  | 77.8  | 67.1  | 61.0  | 55.7  | 51.9  | 51.1  |
| 42.5° | 1827.5 | 704.0  | 172.4 | 121.3 | 86.2  | 70.2  | 61.8  | 54.2  | 48.8  | 45.0  | 44.2  |
| 45°   | 1988.5 | 712.4  | 158.7 | 108.3 | 78.6  | 64.8  | 54.9  | 47.3  | 42.0  | 38.1  | 37.4  |
| 47.5° | 2160.8 | 742.1  | 147.2 | 96.1  | 70.9  | 59.5  | 48.8  | 40.4  | 35.8  | 32.0  | 31.3  |
| 50°   | 2340.9 | 791.0  | 137.3 | 84.7  | 64.8  | 53.4  | 42.0  | 35.1  | 30.5  | 27.5  | 26.7  |
| 52.5° | 2497.2 | 857.3  | 127.4 | 76.3  | 59.5  | 47.3  | 36.6  | 30.5  | 25.9  | 22.9  | 22.1  |
| 55°   | 2646.7 | 919.9  | 119.8 | 68.6  | 53.4  | 41.2  | 32.0  | 25.9  | 22.1  | 19.1  | 18.3  |
| 57.5° | 2809.2 | 986.2  | 110.6 | 61.8  | 48.1  | 36.6  | 28.2  | 22.1  | 19.1  | 16.0  | 15.3  |
| 60°   | 3045.6 | 1084.6 | 96.9  | 56.4  | 42.0  | 32.0  | 24.4  | 19.8  | 16.8  | 13.0  | 12.2  |
| 62.5° | 3386.6 | 1263.9 | 81.6  | 48.8  | 35.8  | 27.5  | 20.6  | 16.8  | 13.7  | 10.7  | 9.2   |
| 65°   | 4024.2 | 1569.0 | 67.1  | 40.4  | 29.0  | 22.9  | 17.5  | 13.7  | 10.7  | 7.6   | 6.9   |
| 67.5° | 4483.4 | 1648.3 | 54.2  | 32.8  | 23.6  | 17.5  | 14.5  | 10.7  | 7.6   | 5.3   | 4.6   |
| 70°   | 3919.7 | 1183.8 | 42.0  | 26.7  | 19.8  | 13.7  | 11.4  | 8.4   | 5.3   | 3.8   | 3.1   |
| 72.5° | 2953.3 | 773.4  | 31.3  | 20.6  | 15.3  | 11.4  | 8.4   | 6.9   | 4.6   | 3.1   | 2.3   |
| 75°   | 2081.5 | 447.0  | 22.9  | 15.3  | 10.7  | 8.4   | 6.9   | 5.3   | 3.8   | 2.3   | 2.3   |
| 77.5° | 1067.1 | 184.6  | 16.0  | 10.7  | 7.6   | 5.3   | 4.6   | 3.1   | 3.1   | 2.3   | 1.5   |
| 80°   | 324.2  | 61.0   | 9.2   | 6.9   | 5.3   | 3.8   | 2.3   | 2.3   | 2.3   | 1.5   | 0.8   |
| 82.5° | 74.0   | 19.8   | 5.3   | 5.3   | 3.8   | 3.1   | 2.3   | 0.8   | 0.8   | 0.0   | 0.0   |
| 85°   | 19.1   | 6.1    | 4.6   | 3.8   | 3.8   | 3.1   | 1.5   | 0.8   | 0.0   | 0.0   | 0.0   |
| 87.5° | 6.9    | 3.8    | 3.8   | 3.8   | 3.1   | 2.3   | 1.5   | 0.0   | 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)