

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P457368

Luminaire Tested: **GLAN-SA8D-722-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P457368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8D-722-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39583 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

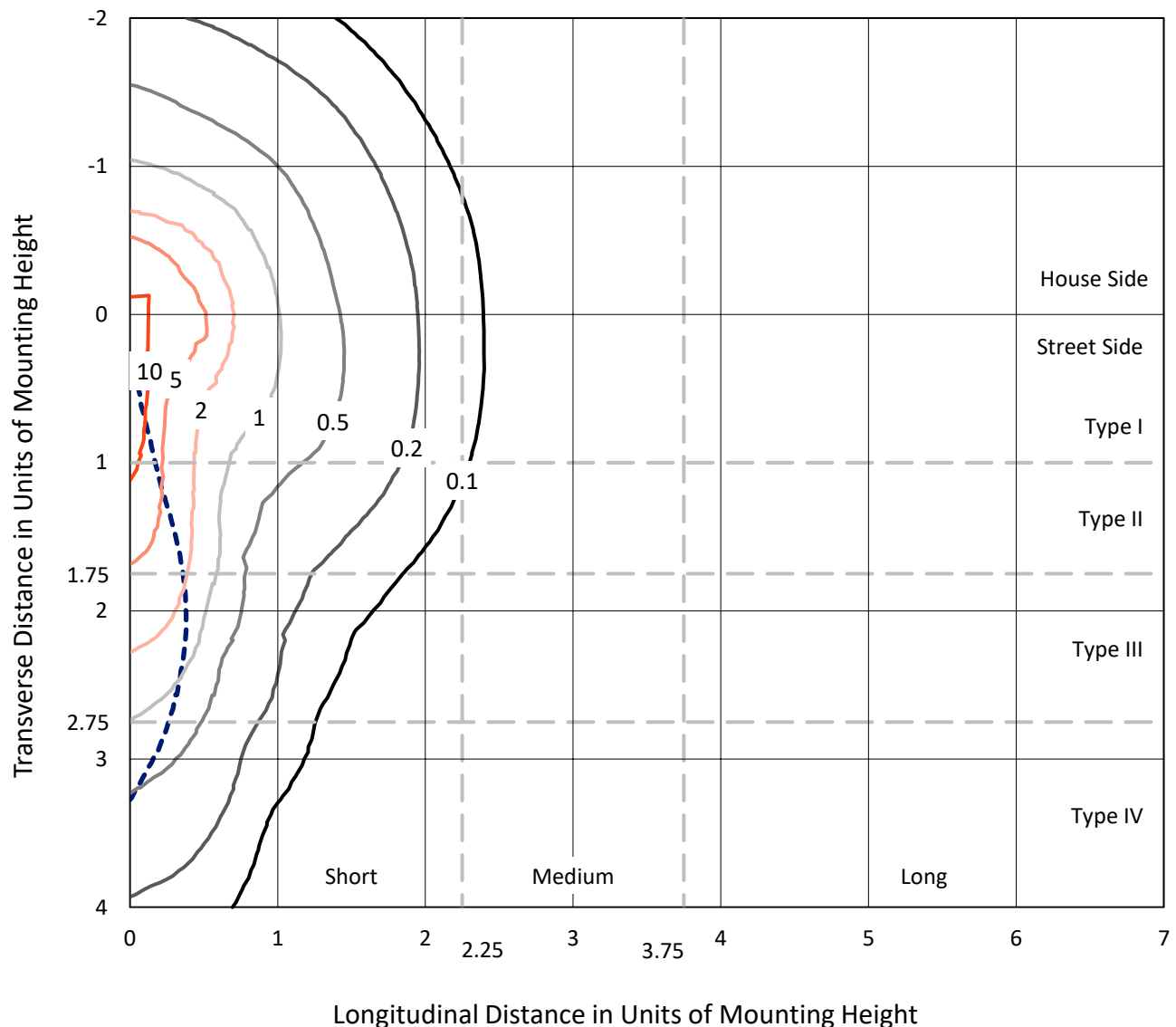


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



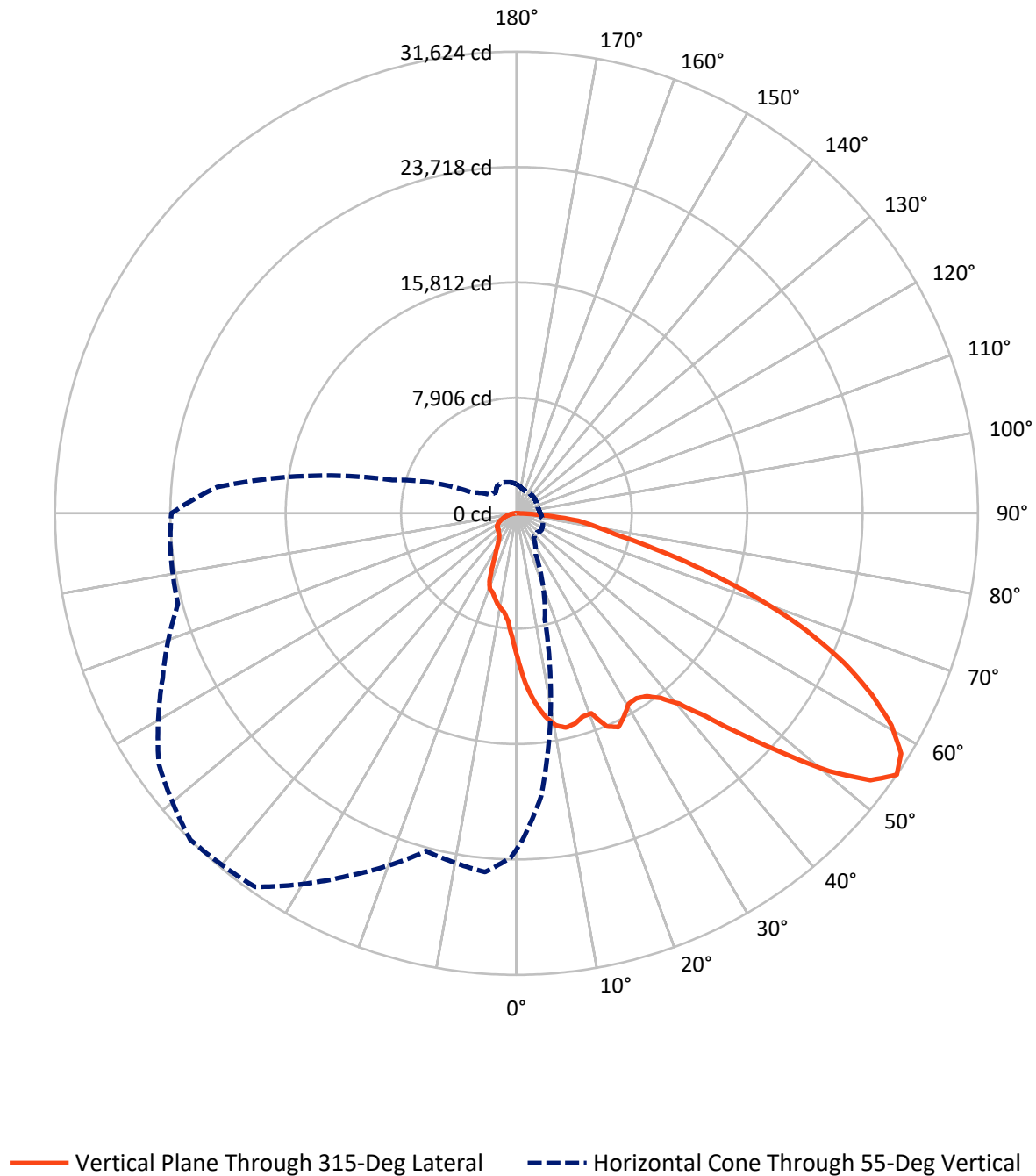
Based on 25 foot mounting height. Maximum calculated value = 17 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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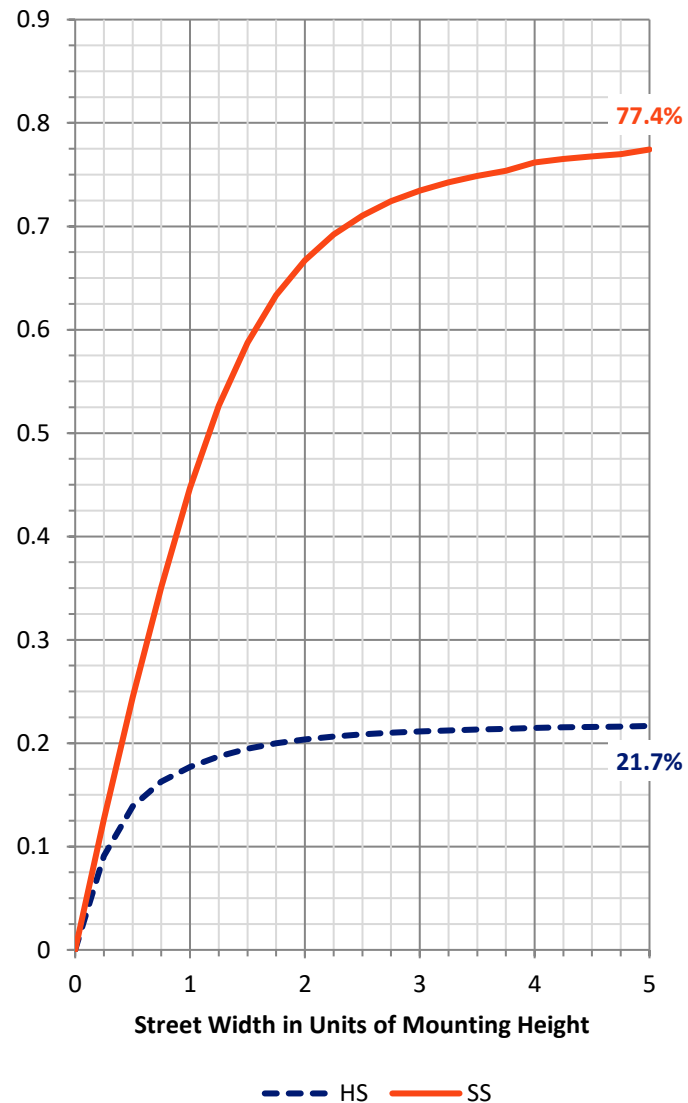
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8658.6   | 0.0    | 8658.6  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 30924.4  | 0.0    | 30924.4 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 39583.0  | 0.0    | 39583.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 841.9   | 2.1       |
| 10°-20°   | 2233.6  | 5.6       |
| 20°-30°   | 3858.7  | 9.7       |
| 30°-40°   | 4484.4  | 11.3      |
| 40°-50°   | 6256.7  | 15.8      |
| 50°-60°   | 8489.6  | 21.4      |
| 60°-70°   | 8076.9  | 20.4      |
| 70°-80°   | 4363.3  | 11.0      |
| 80°-90°   | 977.9   | 2.5       |
| 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°    | 39583.0 | 100.0     |
| 0°-180°   | 39583.0 | 100.0     |

**Coefficient of Utilization**



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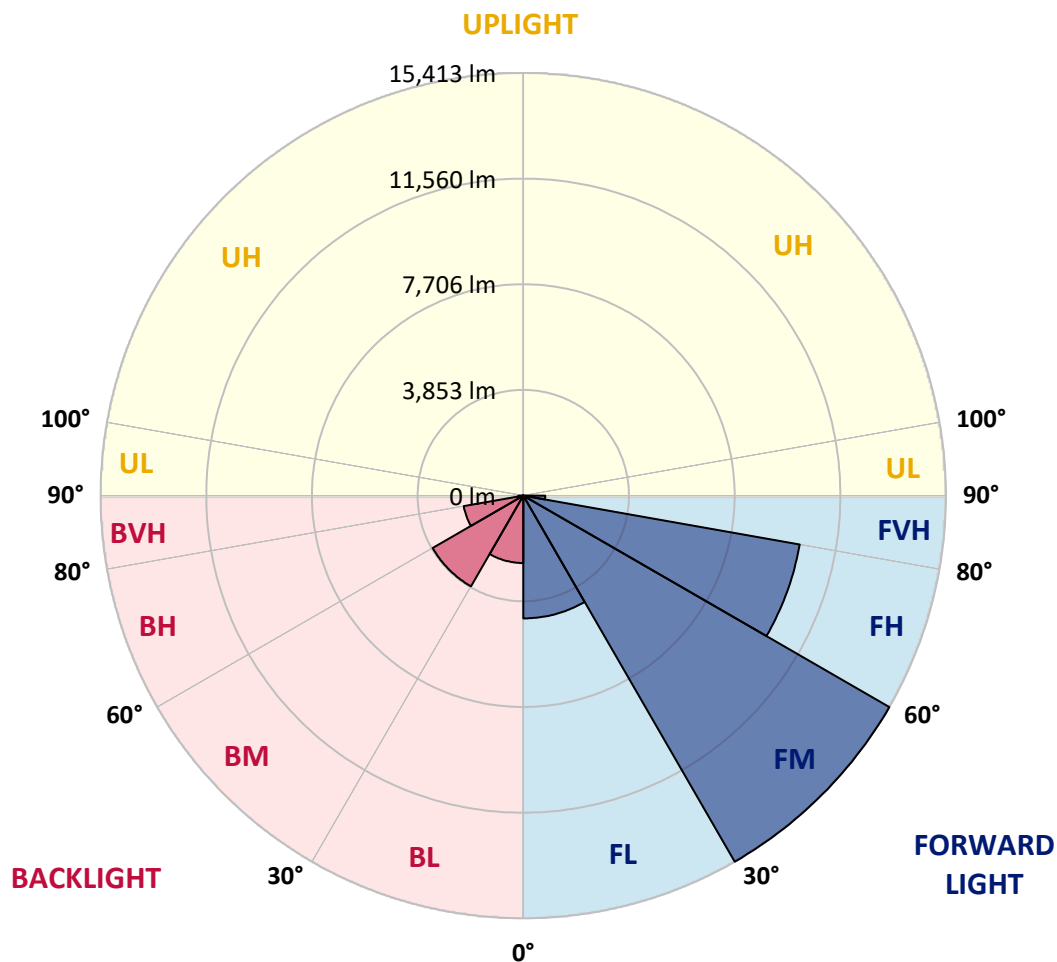
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4476.9  | 11.3      |                         |      |          |
| FM   | (30°-60°)   | 15412.8 | 38.9      |                         |      |          |
| FH   | (60°-80°)   | 10235.5 | 25.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 799.2   | 2.0       |                         |      | G5       |
| BL   | (0°-30°)    | 2457.3  | 6.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3817.9  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2204.7  | 5.6       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 178.7   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 |
| 2.5°  | 11035.8 | 10994.0 | 10876.5 | 10568.4 | 10257.6 | 9941.6 | 9698.8 | 9395.8 | 9079.9 | 8910.1 | 8693.4 |
| 5°    | 11187.3 | 11140.3 | 10863.4 | 10168.8 | 9539.5  | 8878.8 | 8351.3 | 7889.1 | 7701.0 | 7424.2 | 7202.3 |
| 7.5°  | 10832.1 | 10811.2 | 10396.0 | 9398.4  | 8536.7  | 7672.3 | 7074.3 | 6703.5 | 6366.6 | 6241.3 | 6267.4 |
| 10°   | 10508.3 | 10424.7 | 9905.1  | 8602.0  | 7596.6  | 6894.1 | 6465.8 | 6102.9 | 5865.2 | 5802.5 | 5815.6 |
| 12.5° | 10239.3 | 10127.0 | 9513.4  | 8066.6  | 7186.6  | 6625.1 | 6079.4 | 5700.7 | 5484.0 | 5544.0 | 5747.7 |
| 15°   | 10184.5 | 10033.0 | 9348.8  | 7883.8  | 6962.0  | 6238.6 | 5640.6 | 5204.5 | 5042.6 | 5173.2 | 5499.6 |
| 17.5° | 10539.6 | 10349.0 | 9630.9  | 7943.9  | 6747.9  | 5844.3 | 5110.5 | 4611.7 | 4475.9 | 4684.9 | 5110.5 |
| 20°   | 11680.8 | 11398.8 | 10510.9 | 8291.2  | 6727.0  | 5648.5 | 4802.4 | 4301.0 | 4358.4 | 4755.4 | 5199.3 |
| 22.5° | 13790.8 | 13367.8 | 12051.6 | 8797.8  | 6836.7  | 5598.9 | 4739.7 | 4478.6 | 4794.5 | 5131.4 | 5423.9 |
| 25°   | 14208.7 | 13877.0 | 12328.4 | 8912.7  | 6813.2  | 5564.9 | 4917.3 | 5047.8 | 5400.4 | 5567.5 | 5465.7 |
| 27.5° | 14443.7 | 14065.0 | 12310.2 | 8343.4  | 6092.4  | 5047.8 | 4700.5 | 4917.3 | 5006.1 | 4844.2 | 4567.3 |
| 30°   | 14992.1 | 14597.8 | 12620.9 | 7745.4  | 5016.5  | 3744.8 | 3282.5 | 3193.7 | 3253.8 | 3285.1 | 3185.9 |
| 32.5° | 15746.8 | 15357.7 | 13205.9 | 7353.7  | 4337.5  | 3097.1 | 2642.7 | 2517.4 | 2488.7 | 2454.7 | 2415.6 |
| 35°   | 16723.4 | 16125.4 | 13780.4 | 7103.0  | 4058.1  | 2864.7 | 2446.9 | 2350.3 | 2311.1 | 2264.1 | 2222.3 |
| 37.5° | 17715.8 | 17089.0 | 14506.4 | 6839.3  | 3872.7  | 2702.8 | 2316.3 | 2271.9 | 2204.0 | 2154.4 | 2094.3 |
| 40°   | 18770.8 | 18068.3 | 15167.0 | 6609.5  | 3692.5  | 2598.3 | 2222.3 | 2217.1 | 2128.3 | 2070.8 | 2000.3 |
| 42.5° | 19684.8 | 18961.4 | 15757.2 | 6468.5  | 3554.1  | 2488.7 | 2164.9 | 2180.5 | 2089.1 | 2002.9 | 1911.5 |
| 45°   | 20410.7 | 19700.4 | 16303.0 | 6468.5  | 3441.8  | 2379.0 | 2154.4 | 2144.0 | 2052.6 | 1945.5 | 1841.0 |
| 47.5° | 21047.9 | 20314.1 | 16835.7 | 6633.0  | 3371.3  | 2287.6 | 2097.0 | 2115.2 | 2021.2 | 1885.4 | 1783.6 |
| 50°   | 21541.5 | 20893.9 | 17553.9 | 6888.9  | 3300.8  | 2214.5 | 2023.8 | 2123.1 | 1995.1 | 1854.1 | 1736.6 |
| 52.5° | 22170.8 | 21591.1 | 18418.2 | 7238.8  | 3240.8  | 2133.5 | 1958.6 | 2123.1 | 1992.5 | 1856.7 | 1728.8 |
| 55°   | 23043.0 | 22432.0 | 19460.2 | 7528.7  | 3144.1  | 2057.8 | 1901.1 | 2063.0 | 1984.7 | 1843.7 | 1707.9 |
| 57.5° | 23654.1 | 23197.1 | 20196.6 | 7721.9  | 3005.7  | 1961.2 | 1848.9 | 2005.6 | 1950.7 | 1794.0 | 1645.2 |
| 58°   | 23682.8 | 23236.3 | 20303.7 | 7766.3  | 2971.8  | 1942.9 | 1835.8 | 1979.4 | 1935.1 | 1773.1 | 1624.3 |
| 60°   | 23353.8 | 22969.9 | 20324.6 | 7703.6  | 2778.5  | 1851.5 | 1767.9 | 1872.4 | 1851.5 | 1650.4 | 1512.0 |
| 62.5° | 22157.8 | 21747.8 | 19481.1 | 7194.4  | 2522.6  | 1739.2 | 1663.5 | 1728.8 | 1681.7 | 1478.1 | 1350.1 |
| 65°   | 20457.8 | 19703.1 | 17747.1 | 6395.3  | 2339.8  | 1619.1 | 1522.4 | 1527.7 | 1478.1 | 1331.8 | 1219.5 |
| 67.5° | 18193.7 | 17350.2 | 15026.0 | 5389.9  | 2201.4  | 1485.9 | 1355.3 | 1342.3 | 1282.2 | 1188.2 | 1096.8 |
| 70°   | 15407.3 | 14830.2 | 12210.9 | 4384.5  | 2047.3  | 1339.7 | 1167.3 | 1159.5 | 1122.9 | 1052.4 | 971.4  |
| 72.5° | 12487.7 | 11753.9 | 9860.7  | 3509.7  | 1859.3  | 1198.6 | 992.3  | 1008.0 | 961.0  | 911.4  | 838.3  |
| 75°   | 9215.7  | 8735.2  | 7622.7  | 2815.1  | 1606.0  | 1044.6 | 827.8  | 833.0  | 812.1  | 759.9  | 702.5  |
| 77.5° | 6068.9  | 5925.3  | 5452.6  | 1848.9  | 1235.2  | 830.4  | 676.4  | 681.6  | 665.9  | 618.9  | 558.8  |
| 80°   | 4084.2  | 3987.6  | 3695.1  | 1190.8  | 825.2   | 600.6  | 522.3  | 527.5  | 524.9  | 475.3  | 394.3  |
| 82.5° | 2517.4  | 2475.6  | 2381.6  | 804.3   | 571.9   | 430.9  | 344.7  | 360.4  | 389.1  | 334.3  | 269.0  |
| 85°   | 1188.2  | 1190.8  | 1438.9  | 438.7   | 336.9   | 276.8  | 188.0  | 201.1  | 201.1  | 201.1  | 151.5  |
| 87.5° | 154.1   | 161.9   | 198.5   | 185.4   | 122.7   | 104.5  | 67.9   | 57.5   | 49.6   | 65.3   | 47.0   |
| 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°    | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 |
| 2.5°  | 8617.6 | 8565.4 | 8453.1 | 8427.0 | 8411.3 | 8455.7 | 8338.2 | 8369.6 | 8317.3 | 8463.6 | 8440.1 |
| 5°    | 7215.3 | 7220.5 | 7311.9 | 7372.0 | 7392.9 | 7372.0 | 7293.7 | 7157.9 | 7053.4 | 7011.6 | 7022.1 |
| 7.5°  | 6217.8 | 6309.2 | 6465.8 | 6640.8 | 6800.1 | 6847.1 | 6802.7 | 6544.2 | 6262.2 | 6084.6 | 6027.1 |
| 10°   | 5886.1 | 6008.8 | 6189.0 | 6327.4 | 6468.5 | 6580.7 | 6604.2 | 6403.2 | 6068.9 | 5648.5 | 5484.0 |
| 12.5° | 5904.4 | 6071.5 | 6243.9 | 6288.3 | 6275.2 | 6319.6 | 6298.7 | 6264.8 | 6045.4 | 5510.1 | 5235.9 |
| 15°   | 5732.0 | 5930.5 | 6050.6 | 6027.1 | 5985.3 | 5946.2 | 5891.3 | 5805.2 | 5726.8 | 5350.8 | 5047.8 |
| 17.5° | 5335.1 | 5538.8 | 5638.0 | 5645.9 | 5645.9 | 5635.4 | 5502.2 | 5470.9 | 5460.4 | 5277.7 | 5092.2 |
| 20°   | 5408.2 | 5520.5 | 5476.1 | 5403.0 | 5423.9 | 5494.4 | 5416.1 | 5400.4 | 5460.4 | 5541.4 | 5507.5 |
| 22.5° | 5450.0 | 5410.8 | 5076.6 | 4752.8 | 4679.6 | 4899.0 | 4943.4 | 5118.4 | 5361.2 | 5653.7 | 5844.3 |
| 25°   | 5191.5 | 4875.5 | 4277.5 | 3911.9 | 3705.6 | 3909.3 | 4175.6 | 4499.5 | 4862.4 | 5238.5 | 5460.4 |
| 27.5° | 4340.2 | 4099.9 | 3671.6 | 3342.6 | 3162.4 | 3193.7 | 3420.9 | 3716.0 | 4052.9 | 4306.2 | 4468.1 |
| 30°   | 3269.5 | 3162.4 | 2940.4 | 2828.2 | 2718.5 | 2692.4 | 2789.0 | 2901.3 | 3050.1 | 3081.5 | 3123.2 |
| 32.5° | 2407.7 | 2392.0 | 2405.1 | 2368.5 | 2347.7 | 2345.0 | 2316.3 | 2342.4 | 2358.1 | 2376.4 | 2339.8 |
| 35°   | 2177.9 | 2157.0 | 2120.5 | 2110.0 | 2097.0 | 2102.2 | 2089.1 | 2076.1 | 2086.5 | 2102.2 | 2112.6 |
| 37.5° | 2060.4 | 2029.1 | 1976.8 | 1958.6 | 1958.6 | 1966.4 | 1945.5 | 1940.3 | 1958.6 | 2008.2 | 2034.3 |
| 40°   | 1969.0 | 1932.4 | 1872.4 | 1848.9 | 1864.5 | 1885.4 | 1856.7 | 1846.3 | 1890.7 | 1942.9 | 1984.7 |
| 42.5° | 1882.8 | 1854.1 | 1796.6 | 1770.5 | 1783.6 | 1822.8 | 1781.0 | 1773.1 | 1830.6 | 1888.0 | 1937.7 |
| 45°   | 1809.7 | 1781.0 | 1728.8 | 1715.7 | 1720.9 | 1757.5 | 1728.8 | 1728.8 | 1783.6 | 1846.3 | 1890.7 |
| 47.5° | 1752.3 | 1715.7 | 1681.7 | 1671.3 | 1676.5 | 1697.4 | 1692.2 | 1692.2 | 1744.4 | 1809.7 | 1854.1 |
| 50°   | 1694.8 | 1663.5 | 1619.1 | 1624.3 | 1637.4 | 1666.1 | 1663.5 | 1671.3 | 1723.5 | 1804.5 | 1851.5 |
| 52.5° | 1668.7 | 1621.7 | 1572.1 | 1577.3 | 1616.5 | 1650.4 | 1640.0 | 1647.8 | 1707.9 | 1859.3 | 1927.2 |
| 55°   | 1640.0 | 1577.3 | 1519.8 | 1527.7 | 1572.1 | 1621.7 | 1608.6 | 1619.1 | 1689.6 | 1895.9 | 1989.9 |
| 57.5° | 1585.1 | 1512.0 | 1449.3 | 1454.6 | 1519.8 | 1572.1 | 1551.2 | 1564.2 | 1647.8 | 1856.7 | 1955.9 |
| 58°   | 1561.6 | 1498.9 | 1438.9 | 1441.5 | 1504.2 | 1561.6 | 1538.1 | 1548.6 | 1634.7 | 1846.3 | 1940.3 |
| 60°   | 1462.4 | 1425.8 | 1373.6 | 1376.2 | 1436.3 | 1485.9 | 1472.8 | 1483.3 | 1566.8 | 1770.5 | 1841.0 |
| 62.5° | 1326.6 | 1305.7 | 1292.6 | 1292.6 | 1329.2 | 1376.2 | 1389.3 | 1402.3 | 1478.1 | 1600.8 | 1663.5 |
| 65°   | 1180.4 | 1180.4 | 1183.0 | 1183.0 | 1206.5 | 1266.5 | 1274.4 | 1308.3 | 1378.8 | 1438.9 | 1485.9 |
| 67.5° | 1081.1 | 1075.9 | 1081.1 | 1068.1 | 1078.5 | 1115.1 | 1154.2 | 1185.6 | 1258.7 | 1300.5 | 1316.1 |
| 70°   | 953.2  | 950.6  | 953.2  | 934.9  | 947.9  | 979.3  | 1005.4 | 1057.6 | 1133.4 | 1164.7 | 1172.5 |
| 72.5° | 827.8  | 827.8  | 833.0  | 820.0  | 820.0  | 853.9  | 872.2  | 929.7  | 1000.2 | 1018.4 | 1021.1 |
| 75°   | 697.2  | 705.1  | 705.1  | 686.8  | 692.0  | 712.9  | 736.4  | 783.4  | 848.7  | 861.8  | 861.8  |
| 77.5° | 553.6  | 582.3  | 582.3  | 564.1  | 571.9  | 574.5  | 605.8  | 629.3  | 679.0  | 684.2  | 663.3  |
| 80°   | 402.2  | 430.9  | 454.4  | 438.7  | 451.8  | 436.1  | 454.4  | 470.1  | 519.7  | 496.2  | 462.2  |
| 82.5° | 287.3  | 308.1  | 326.4  | 329.0  | 316.0  | 287.3  | 310.8  | 313.4  | 336.9  | 305.5  | 287.3  |
| 85°   | 159.3  | 177.6  | 201.1  | 190.6  | 169.7  | 151.5  | 159.3  | 164.5  | 161.9  | 154.1  | 143.6  |
| 87.5° | 41.8   | 44.4   | 49.6   | 36.6   | 33.9   | 28.7   | 39.2   | 39.2   | 44.4   | 47.0   | 44.4   |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°    | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8 | 9933.8  | 9933.8  | 9933.8  | 9933.8  |
| 2.5°  | 8458.3 | 8573.2 | 8821.3 | 9009.3 | 9239.2 | 9518.6 | 9847.6 | 10179.3 | 10537.0 | 10649.3 | 10806.0 |
| 5°    | 6998.6 | 7285.8 | 7405.9 | 7748.0 | 8087.5 | 8596.7 | 9139.9 | 9769.3  | 10458.7 | 10790.3 | 11108.9 |
| 7.5°  | 5980.1 | 6134.2 | 6259.5 | 6510.2 | 6917.6 | 7536.5 | 8218.1 | 9004.1  | 9980.8  | 10463.9 | 10931.3 |
| 10°   | 5431.7 | 5447.4 | 5601.5 | 5912.2 | 6267.4 | 6813.2 | 7458.2 | 8338.2  | 9427.2  | 10014.7 | 10563.1 |
| 12.5° | 5068.7 | 5000.8 | 5168.0 | 5491.8 | 5893.9 | 6397.9 | 6990.7 | 7829.0  | 9027.6  | 9630.9  | 10294.2 |
| 15°   | 4750.1 | 4643.1 | 4768.4 | 5100.1 | 5497.0 | 6089.8 | 6727.0 | 7614.9  | 8870.9  | 9573.4  | 10309.8 |
| 17.5° | 4758.0 | 4462.9 | 4507.3 | 4786.7 | 5181.0 | 5784.3 | 6557.2 | 7607.0  | 9108.6  | 9918.1  | 10790.3 |
| 20°   | 5345.5 | 4872.9 | 4671.8 | 4724.0 | 5105.3 | 5763.4 | 6635.6 | 7972.6  | 9889.4  | 11069.7 | 12002.0 |
| 22.5° | 5922.7 | 5638.0 | 5314.2 | 5207.1 | 5416.1 | 6105.5 | 7134.4 | 8837.0  | 11586.8 | 13365.2 | 15049.5 |
| 25°   | 5721.6 | 5964.5 | 5883.5 | 5732.0 | 5779.0 | 6350.9 | 7473.8 | 9547.3  | 12905.6 | 14908.5 | 16491.0 |
| 27.5° | 4577.8 | 5019.1 | 5107.9 | 5105.3 | 5123.6 | 5593.6 | 6721.8 | 9069.4  | 13070.1 | 15203.6 | 16715.6 |
| 30°   | 3217.3 | 3256.4 | 3303.4 | 3394.8 | 3478.4 | 3898.8 | 5259.4 | 7962.2  | 12997.0 | 15336.8 | 16851.4 |
| 32.5° | 2321.5 | 2373.8 | 2439.1 | 2564.4 | 2762.9 | 3298.2 | 4601.3 | 7609.6  | 13383.5 | 15887.8 | 17248.3 |
| 35°   | 2123.1 | 2183.1 | 2245.8 | 2389.4 | 2577.5 | 3073.6 | 4340.2 | 7463.4  | 14018.0 | 16780.9 | 17961.2 |
| 37.5° | 2060.4 | 2128.3 | 2183.1 | 2287.6 | 2439.1 | 2911.7 | 4102.5 | 7364.2  | 14668.3 | 17726.2 | 18917.0 |
| 40°   | 2016.0 | 2094.3 | 2138.7 | 2222.3 | 2326.8 | 2762.9 | 3891.0 | 7285.8  | 15297.6 | 18590.6 | 19684.8 |
| 42.5° | 1976.8 | 2057.8 | 2115.2 | 2175.3 | 2261.5 | 2629.7 | 3703.0 | 7207.5  | 15843.4 | 19428.9 | 20449.9 |
| 45°   | 1929.8 | 2031.7 | 2104.8 | 2151.8 | 2227.5 | 2517.4 | 3559.3 | 7144.8  | 16464.9 | 20173.1 | 21222.9 |
| 47.5° | 1890.7 | 2002.9 | 2094.3 | 2149.2 | 2177.9 | 2439.1 | 3444.4 | 7231.0  | 17211.8 | 20951.3 | 21941.0 |
| 50°   | 1893.3 | 2000.3 | 2115.2 | 2201.4 | 2125.7 | 2373.8 | 3373.9 | 7573.1  | 18183.2 | 21875.7 | 22507.7 |
| 52.5° | 1976.8 | 2107.4 | 2198.8 | 2219.7 | 2052.6 | 2295.4 | 3337.4 | 8171.1  | 19332.2 | 22693.1 | 23079.6 |
| 55°   | 2070.8 | 2206.6 | 2305.9 | 2292.8 | 2013.4 | 2196.2 | 3329.5 | 8808.3  | 20590.9 | 23646.3 | 23823.9 |
| 57.5° | 2036.9 | 2235.4 | 2386.8 | 2318.9 | 2016.0 | 2099.6 | 3295.6 | 9322.7  | 21643.3 | 24359.2 | 24560.3 |
| 58°   | 2026.5 | 2224.9 | 2397.3 | 2313.7 | 2008.2 | 2070.8 | 3287.8 | 9367.1  | 21789.6 | 24408.8 | 24664.7 |
| 60°   | 1924.6 | 2133.5 | 2389.4 | 2274.5 | 1963.8 | 1992.5 | 3201.6 | 9510.7  | 21750.4 | 24152.9 | 24727.4 |
| 62.5° | 1739.2 | 1911.5 | 2209.2 | 2083.9 | 1828.0 | 1888.0 | 3008.3 | 9333.2  | 20690.2 | 22920.3 | 23810.8 |
| 65°   | 1530.3 | 1658.2 | 1856.7 | 1833.2 | 1634.7 | 1781.0 | 2744.6 | 8630.7  | 18567.1 | 20920.0 | 21857.5 |
| 67.5° | 1373.6 | 1478.1 | 1603.4 | 1569.5 | 1470.2 | 1637.4 | 2459.9 | 7442.5  | 16185.5 | 18517.5 | 19697.8 |
| 70°   | 1214.3 | 1295.3 | 1357.9 | 1334.4 | 1303.1 | 1496.3 | 2206.6 | 6040.2  | 13903.1 | 16235.1 | 17378.9 |
| 72.5° | 1052.4 | 1128.1 | 1180.4 | 1146.4 | 1128.1 | 1347.5 | 2000.3 | 4687.5  | 10981.0 | 13393.9 | 14864.1 |
| 75°   | 880.0  | 955.8  | 992.3  | 953.2  | 942.7  | 1188.2 | 1694.8 | 3501.9  | 8239.0  | 10325.5 | 11594.6 |
| 77.5° | 681.6  | 762.5  | 809.5  | 796.5  | 801.7  | 976.7  | 1368.4 | 2397.3  | 5891.3  | 7037.7  | 8374.8  |
| 80°   | 477.9  | 566.7  | 598.0  | 585.0  | 621.5  | 744.3  | 966.2  | 1522.4  | 4063.3  | 4567.3  | 5510.1  |
| 82.5° | 295.1  | 378.7  | 383.9  | 396.9  | 423.0  | 551.0  | 728.6  | 927.0   | 2551.3  | 2637.5  | 3321.7  |
| 85°   | 148.9  | 180.2  | 193.2  | 214.1  | 237.6  | 336.9  | 415.2  | 574.5   | 1642.6  | 1243.0  | 1856.7  |
| 87.5° | 49.6   | 52.2   | 62.7   | 78.3   | 96.6   | 138.4  | 177.6  | 235.0   | 407.4   | 224.6   | 574.5   |
| 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):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  | 9933.8  |
| 2.5°  | 11122.0 | 11343.9 | 11505.9 | 11654.7 | 11511.1 | 11498.0 | 11357.0 | 11129.8 | 11035.8 | 11035.8 |
| 5°    | 11777.4 | 12297.1 | 12717.5 | 12986.5 | 12871.6 | 12594.8 | 12137.8 | 11555.5 | 11242.1 | 11187.3 |
| 7.5°  | 11957.6 | 12983.9 | 13764.7 | 14041.5 | 13848.3 | 13237.2 | 12362.4 | 11380.5 | 10931.3 | 10832.1 |
| 10°   | 11847.9 | 13182.4 | 14328.8 | 14767.5 | 14498.5 | 13574.1 | 12380.7 | 11176.8 | 10623.2 | 10508.3 |
| 12.5° | 11733.0 | 13208.5 | 14433.2 | 15067.8 | 14892.8 | 13845.7 | 12513.9 | 11043.6 | 10403.8 | 10239.3 |
| 15°   | 11816.6 | 13218.9 | 14305.3 | 14960.7 | 15073.0 | 14172.1 | 12733.2 | 11140.3 | 10359.4 | 10184.5 |
| 17.5° | 12344.1 | 13417.4 | 14122.5 | 14652.6 | 15046.9 | 14616.0 | 13357.3 | 11602.5 | 10756.4 | 10539.6 |
| 20°   | 13446.1 | 13892.7 | 14226.9 | 14636.9 | 15271.5 | 15522.2 | 14634.3 | 12871.6 | 11871.4 | 11680.8 |
| 22.5° | 16637.3 | 16556.3 | 15872.1 | 15864.3 | 16783.5 | 17788.9 | 17728.8 | 15451.7 | 13947.5 | 13790.8 |
| 25°   | 17833.3 | 17457.2 | 16467.5 | 16227.3 | 16632.0 | 18183.2 | 17958.6 | 15979.2 | 14589.9 | 14208.7 |
| 27.5° | 17365.8 | 16433.6 | 15783.3 | 15728.5 | 15595.3 | 17060.3 | 17600.9 | 16193.3 | 14814.5 | 14443.7 |
| 30°   | 17337.1 | 15966.1 | 15036.5 | 15146.2 | 15274.1 | 16673.8 | 17799.3 | 16864.5 | 15389.0 | 14992.1 |
| 32.5° | 17407.6 | 16031.4 | 15091.3 | 15112.2 | 15493.5 | 16731.3 | 18018.7 | 17595.7 | 16143.7 | 15746.8 |
| 35°   | 17692.3 | 16402.2 | 15441.2 | 15391.6 | 15987.0 | 17107.3 | 18392.1 | 18744.7 | 17175.2 | 16723.4 |
| 37.5° | 18151.9 | 17141.3 | 16081.0 | 16068.0 | 16932.4 | 17786.3 | 18857.0 | 19904.1 | 18201.5 | 17715.8 |
| 40°   | 18828.2 | 18005.6 | 17219.6 | 17149.1 | 18217.2 | 18890.9 | 19460.2 | 21139.3 | 19394.9 | 18770.8 |
| 42.5° | 19645.6 | 19042.4 | 18721.2 | 19000.6 | 20026.9 | 20131.3 | 20400.3 | 22280.5 | 20410.7 | 19684.8 |
| 45°   | 20402.9 | 20374.2 | 20820.7 | 21562.4 | 22160.4 | 21533.7 | 21382.2 | 23045.7 | 21199.4 | 20410.7 |
| 47.5° | 21303.8 | 22082.0 | 23429.5 | 24515.9 | 25142.6 | 23165.8 | 22220.4 | 23544.4 | 21773.9 | 21047.9 |
| 50°   | 22217.8 | 24126.8 | 26278.6 | 27793.2 | 27926.4 | 24938.9 | 22797.6 | 24014.5 | 22296.2 | 21541.5 |
| 52.5° | 23178.8 | 25758.9 | 28623.6 | 30383.7 | 30125.2 | 26482.3 | 23356.4 | 24333.1 | 22834.1 | 22170.8 |
| 55°   | 24014.5 | 26759.1 | 29934.5 | 31624.1 | 31245.5 | 27422.4 | 23959.6 | 24677.8 | 23601.9 | 23043.0 |
| 57.5° | 24481.9 | 26842.6 | 29608.1 | 31083.6 | 30673.6 | 27239.6 | 24236.5 | 24933.7 | 24092.8 | 23654.1 |
| 58°   | 24549.8 | 26730.3 | 29318.3 | 30770.2 | 30352.4 | 27085.5 | 24233.8 | 24923.3 | 24124.2 | 23682.8 |
| 60°   | 24489.8 | 26001.8 | 28239.7 | 29532.4 | 29093.7 | 26119.3 | 24134.6 | 24727.4 | 23727.2 | 23353.8 |
| 62.5° | 23933.5 | 24737.8 | 26377.8 | 27317.9 | 27192.6 | 24609.9 | 23727.2 | 23988.4 | 22518.2 | 22157.8 |
| 65°   | 23202.3 | 23014.3 | 23993.6 | 24659.5 | 24753.5 | 23479.1 | 23322.5 | 22390.2 | 20967.0 | 20457.8 |
| 67.5° | 22314.5 | 21061.0 | 21058.4 | 21437.0 | 21593.7 | 21740.0 | 22479.0 | 20653.6 | 18731.6 | 18193.7 |
| 70°   | 20807.7 | 18050.0 | 17219.6 | 17666.2 | 17535.6 | 18770.8 | 20972.2 | 18214.6 | 16036.6 | 15407.3 |
| 72.5° | 18044.8 | 14323.6 | 12994.4 | 13568.9 | 13239.8 | 14720.5 | 18350.3 | 14989.5 | 13260.7 | 12487.7 |
| 75°   | 14626.5 | 10714.6 | 9343.6  | 9871.1  | 9667.4  | 11166.4 | 15268.9 | 10886.9 | 9510.7  | 9215.7  |
| 77.5° | 11357.0 | 7763.7  | 6967.2  | 6894.1  | 7045.6  | 8309.5  | 11200.3 | 7351.1  | 6270.0  | 6068.9  |
| 80°   | 7296.3  | 5557.1  | 5604.1  | 5510.1  | 5588.4  | 5238.5  | 6800.1  | 4690.1  | 4246.1  | 4084.2  |
| 82.5° | 4802.4  | 3872.7  | 4617.0  | 4261.8  | 4047.7  | 3522.8  | 4460.3  | 3071.0  | 2606.2  | 2517.4  |
| 85°   | 3272.1  | 2851.7  | 2595.7  | 1984.7  | 2337.2  | 2713.3  | 3345.2  | 1653.0  | 1310.9  | 1188.2  |
| 87.5° | 1478.1  | 992.3   | 728.6   | 449.2   | 710.3   | 820.0   | 1624.3  | 193.2   | 148.9   | 154.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)