

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: McGRAW-EDISON

Report Number: P458180

Luminaire Tested: **GALN-SA9C-750-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458180  
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: McGRAW-EDISON  
Catalog Number: GALN-SA9C-750-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 1050mA 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: 54938 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

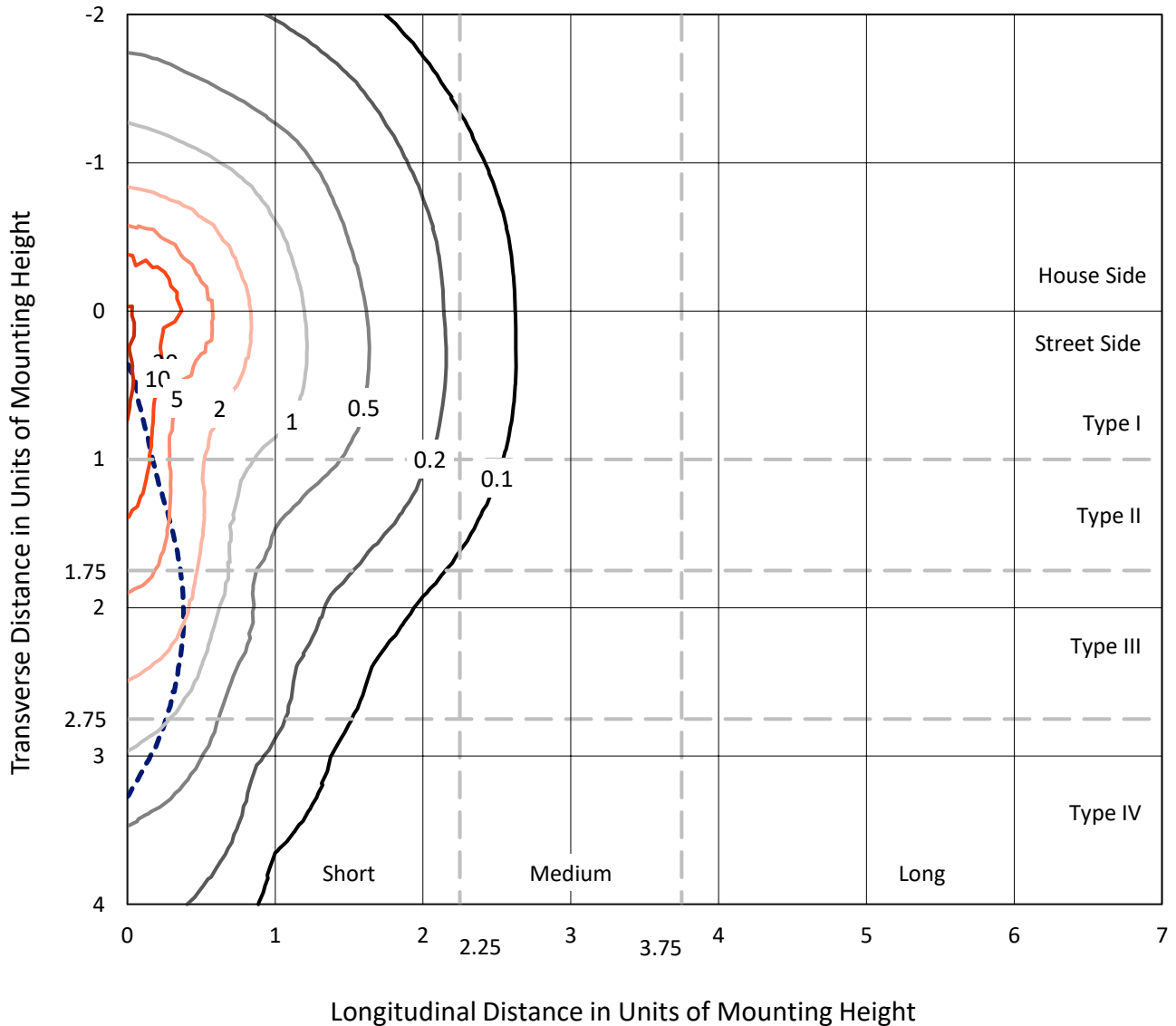
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

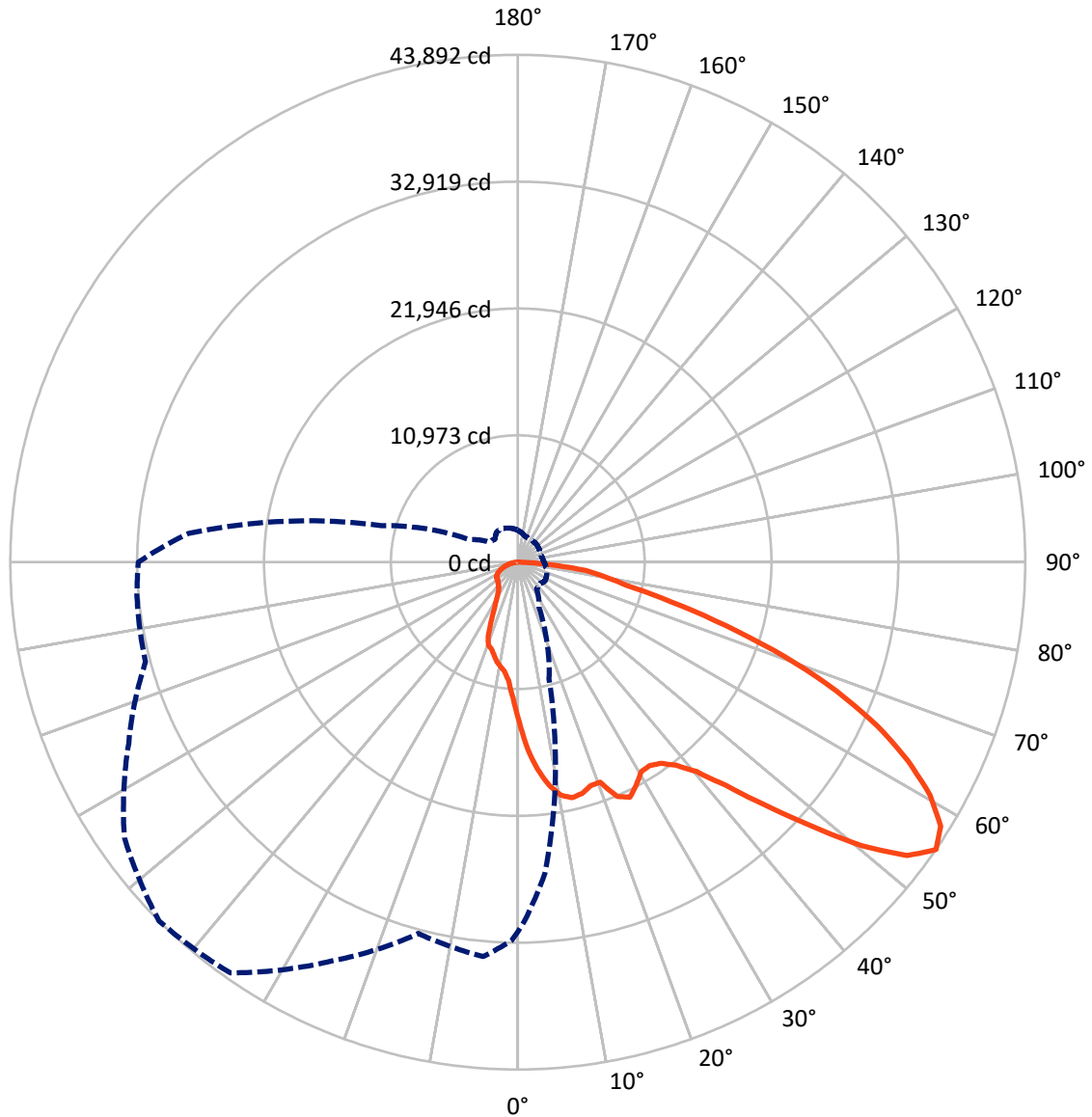
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical



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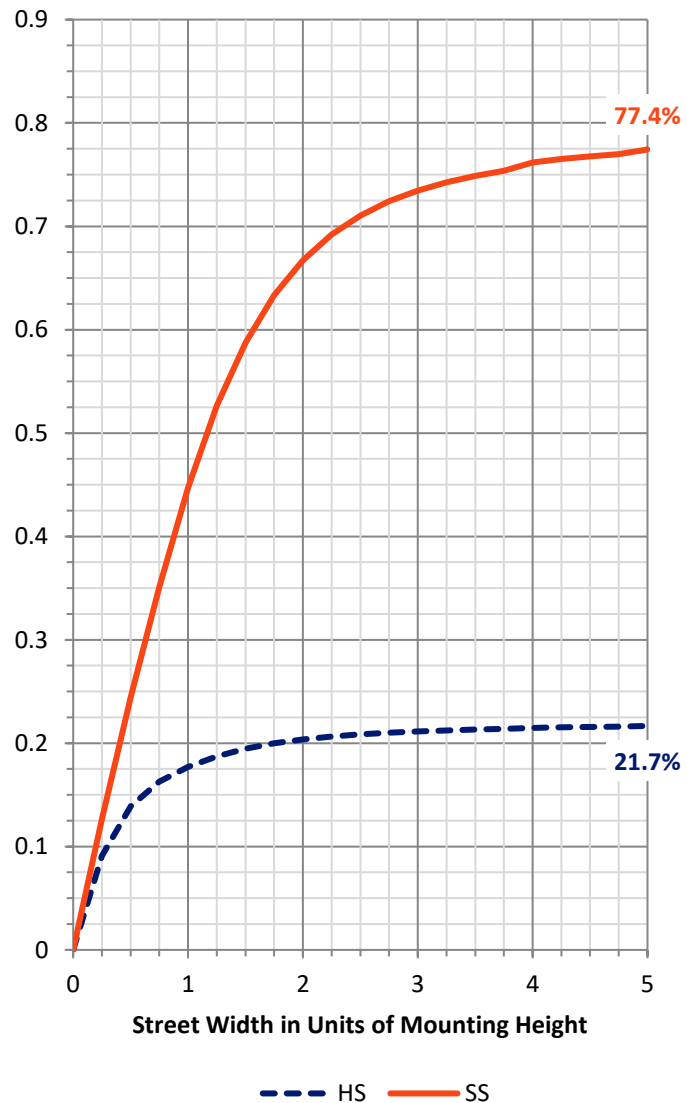
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12017.4  | 0.0    | 12017.4 |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 42920.6  | 0.0    | 42920.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 54938.0  | 0.0    | 54938.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1168.5  | 2.1       |
| 10°-20°   | 3100.1  | 5.6       |
| 20°-30°   | 5355.6  | 9.7       |
| 30°-40°   | 6224.0  | 11.3      |
| 40°-50°   | 8683.7  | 15.8      |
| 50°-60°   | 11782.9 | 21.4      |
| 60°-70°   | 11210.0 | 20.4      |
| 70°-80°   | 6055.9  | 11.0      |
| 80°-90°   | 1357.2  | 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°    | 54938.0 | 100.0     |
| 0°-180°   | 54938.0 | 100.0     |



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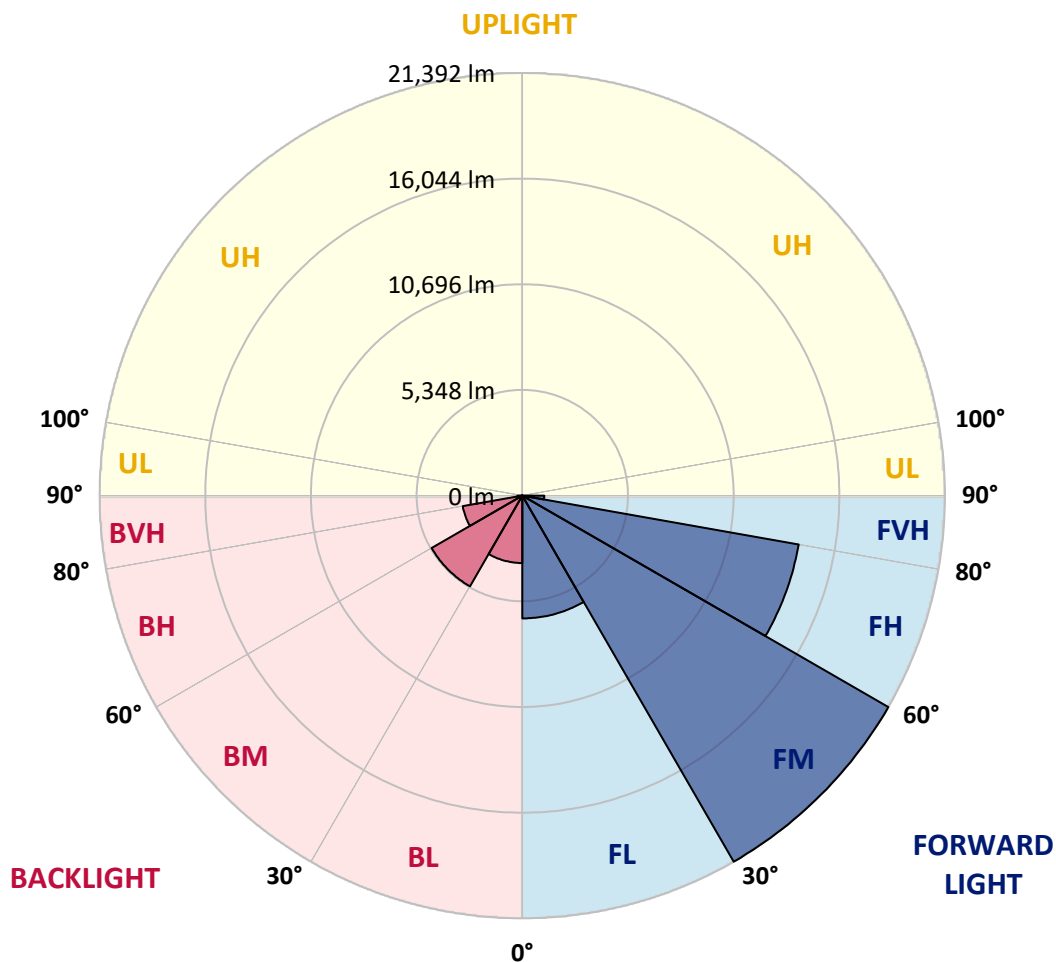
CATALOG NUMBER: GALN-SA9C-750-U-SLR

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 6213.6  | 11.3      |                         |      |         |
| FM   | (30°-60°)   | 21391.7 | 38.9      |                         |      |         |
| FH   | (60°-80°)   | 14206.0 | 25.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 1109.2  | 2.0       |                         |      | G5      |
| BL   | (0°-30°)    | 3410.6  | 6.2       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5298.9  | 9.6       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3059.9  | 5.6       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 248.0   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 |
| 2.5°  | 15316.8 | 15258.8 | 15095.7 | 14668.0 | 14236.7 | 13798.2 | 13461.1 | 13040.7 | 12602.1 | 12366.5 | 12065.7 |
| 5°    | 15527.0 | 15461.8 | 15077.6 | 14113.5 | 13240.0 | 12323.0 | 11590.9 | 10949.4 | 10688.4 | 10304.2 | 9996.1  |
| 7.5°  | 15034.1 | 15005.1 | 14428.8 | 13044.3 | 11848.2 | 10648.5 | 9818.6  | 9303.9  | 8836.3  | 8662.4  | 8698.6  |
| 10°   | 14584.7 | 14468.7 | 13747.4 | 11938.8 | 10543.4 | 9568.5  | 8974.1  | 8470.3  | 8140.4  | 8053.5  | 8071.6  |
| 12.5° | 14211.3 | 14055.5 | 13203.8 | 11195.8 | 9974.4  | 9195.2  | 8437.6  | 7912.1  | 7611.3  | 7694.6  | 7977.3  |
| 15°   | 14135.2 | 13925.0 | 12975.4 | 10942.1 | 9662.7  | 8658.7  | 7828.7  | 7223.5  | 6998.8  | 7180.0  | 7633.0  |
| 17.5° | 14628.2 | 14363.6 | 13366.9 | 11025.5 | 9365.5  | 8111.5  | 7093.0  | 6400.7  | 6212.3  | 6502.2  | 7093.0  |
| 20°   | 16212.0 | 15820.6 | 14588.3 | 11507.5 | 9336.5  | 7839.6  | 6665.3  | 5969.4  | 6049.2  | 6600.1  | 7216.2  |
| 22.5° | 19140.6 | 18553.4 | 16726.7 | 12210.7 | 9488.7  | 7770.8  | 6578.3  | 6215.9  | 6654.4  | 7122.0  | 7527.9  |
| 25°   | 19720.5 | 19260.2 | 17110.9 | 12370.1 | 9456.1  | 7723.6  | 6824.8  | 7006.0  | 7495.3  | 7727.3  | 7585.9  |
| 27.5° | 20046.7 | 19521.1 | 17085.5 | 11580.0 | 8455.8  | 7006.0  | 6524.0  | 6824.8  | 6948.0  | 6723.3  | 6339.1  |
| 30°   | 20807.8 | 20260.5 | 17516.8 | 10750.0 | 6962.5  | 5197.4  | 4555.9  | 4432.7  | 4516.0  | 4559.5  | 4421.8  |
| 32.5° | 21855.2 | 21315.2 | 18328.7 | 10206.4 | 6020.2  | 4298.6  | 3667.9  | 3493.9  | 3454.1  | 3407.0  | 3352.6  |
| 35°   | 23210.8 | 22380.8 | 19126.1 | 9858.4  | 5632.3  | 3976.0  | 3396.1  | 3262.0  | 3207.6  | 3142.4  | 3084.4  |
| 37.5° | 24588.1 | 23718.2 | 20133.7 | 9492.4  | 5375.0  | 3751.3  | 3214.9  | 3153.2  | 3059.0  | 2990.1  | 2906.8  |
| 40°   | 26052.3 | 25077.4 | 21050.6 | 9173.4  | 5124.9  | 3606.3  | 3084.4  | 3077.1  | 2953.9  | 2874.2  | 2776.3  |
| 42.5° | 27320.9 | 26316.9 | 21869.7 | 8977.7  | 4932.8  | 3454.1  | 3004.6  | 3026.4  | 2899.5  | 2779.9  | 2653.1  |
| 45°   | 28328.5 | 27342.6 | 22627.3 | 8977.7  | 4777.0  | 3301.8  | 2990.1  | 2975.6  | 2848.8  | 2700.2  | 2555.2  |
| 47.5° | 29212.8 | 28194.4 | 23366.6 | 9206.0  | 4679.1  | 3175.0  | 2910.4  | 2935.8  | 2805.3  | 2616.8  | 2475.5  |
| 50°   | 29897.8 | 28999.0 | 24363.3 | 9561.2  | 4581.3  | 3073.5  | 2808.9  | 2946.7  | 2769.1  | 2573.3  | 2410.2  |
| 52.5° | 30771.3 | 29966.7 | 25563.0 | 10046.9 | 4497.9  | 2961.2  | 2718.3  | 2946.7  | 2765.4  | 2577.0  | 2399.4  |
| 55°   | 31981.9 | 31133.8 | 27009.2 | 10449.2 | 4363.8  | 2856.0  | 2638.6  | 2863.3  | 2754.6  | 2558.8  | 2370.4  |
| 57.5° | 32830.0 | 32195.7 | 28031.3 | 10717.4 | 4171.7  | 2721.9  | 2566.1  | 2783.6  | 2707.4  | 2490.0  | 2283.4  |
| 58°   | 32869.9 | 32250.1 | 28179.9 | 10779.0 | 4124.6  | 2696.6  | 2548.0  | 2747.3  | 2685.7  | 2461.0  | 2254.4  |
| 60°   | 32413.2 | 31880.4 | 28208.9 | 10692.0 | 3856.4  | 2569.7  | 2453.7  | 2598.7  | 2569.7  | 2290.6  | 2098.5  |
| 62.5° | 30753.2 | 30184.2 | 27038.2 | 9985.3  | 3501.2  | 2413.9  | 2308.8  | 2399.4  | 2334.1  | 2051.4  | 1873.8  |
| 65°   | 28393.7 | 27346.2 | 24631.6 | 8876.2  | 3247.5  | 2247.1  | 2113.0  | 2120.3  | 2051.4  | 1848.5  | 1692.6  |
| 67.5° | 25251.3 | 24080.6 | 20854.9 | 7480.8  | 3055.4  | 2062.3  | 1881.1  | 1863.0  | 1779.6  | 1649.1  | 1522.3  |
| 70°   | 21384.1 | 20583.1 | 16947.8 | 6085.4  | 2841.5  | 1859.3  | 1620.1  | 1609.2  | 1558.5  | 1460.6  | 1348.3  |
| 72.5° | 17332.0 | 16313.5 | 13685.8 | 4871.2  | 2580.6  | 1663.6  | 1377.3  | 1399.0  | 1333.8  | 1264.9  | 1163.4  |
| 75°   | 12790.6 | 12123.7 | 10579.7 | 3907.1  | 2229.0  | 1449.8  | 1148.9  | 1156.2  | 1127.2  | 1054.7  | 975.0   |
| 77.5° | 8423.2  | 8223.8  | 7567.8  | 2566.1  | 1714.4  | 1152.6  | 938.7   | 946.0   | 924.2   | 859.0   | 775.6   |
| 80°   | 5668.6  | 5534.5  | 5128.6  | 1652.7  | 1145.3  | 833.6   | 724.9   | 732.1   | 728.5   | 659.6   | 547.3   |
| 82.5° | 3493.9  | 3435.9  | 3305.5  | 1116.3  | 793.7   | 598.0   | 478.4   | 500.2   | 540.0   | 463.9   | 373.3   |
| 85°   | 1649.1  | 1652.7  | 1997.1  | 608.9   | 467.6   | 384.2   | 261.0   | 279.1   | 279.1   | 279.1   | 210.2   |
| 87.5° | 213.8   | 224.7   | 275.5   | 257.3   | 170.3   | 145.0   | 94.2    | 79.7    | 68.9    | 90.6    | 65.2    |
| 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°    | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 |
| 2.5°  | 11960.6 | 11888.1 | 11732.2 | 11696.0 | 11674.3 | 11735.9 | 11572.8 | 11616.3 | 11543.8 | 11746.7 | 11714.1 |
| 5°    | 10014.3 | 10021.5 | 10148.4 | 10231.7 | 10260.7 | 10231.7 | 10123.0 | 9934.5  | 9789.6  | 9731.6  | 9746.1  |
| 7.5°  | 8629.7  | 8756.6  | 8974.1  | 9216.9  | 9438.0  | 9503.2  | 9441.6  | 9082.8  | 8691.4  | 8444.9  | 8365.2  |
| 10°   | 8169.4  | 8339.8  | 8589.9  | 8782.0  | 8977.7  | 9133.5  | 9166.2  | 8887.1  | 8423.2  | 7839.6  | 7611.3  |
| 12.5° | 8194.8  | 8426.8  | 8666.0  | 8727.6  | 8709.5  | 8771.1  | 8742.1  | 8695.0  | 8390.5  | 7647.5  | 7267.0  |
| 15°   | 7955.6  | 8231.1  | 8397.8  | 8365.2  | 8307.2  | 8252.8  | 8176.7  | 8057.1  | 7948.4  | 7426.4  | 7006.0  |
| 17.5° | 7404.7  | 7687.4  | 7825.1  | 7836.0  | 7836.0  | 7821.5  | 7636.7  | 7593.2  | 7578.7  | 7325.0  | 7067.6  |
| 20°   | 7506.2  | 7662.0  | 7600.4  | 7498.9  | 7527.9  | 7625.8  | 7517.0  | 7495.3  | 7578.7  | 7691.0  | 7643.9  |
| 22.5° | 7564.2  | 7509.8  | 7045.9  | 6596.4  | 6495.0  | 6799.4  | 6861.0  | 7103.9  | 7440.9  | 7846.9  | 8111.5  |
| 25°   | 7205.3  | 6766.8  | 5936.8  | 5429.4  | 5143.1  | 5425.8  | 5795.4  | 6244.9  | 6748.7  | 7270.6  | 7578.7  |
| 27.5° | 6023.8  | 5690.3  | 5095.9  | 4639.3  | 4389.2  | 4432.7  | 4748.0  | 5157.5  | 5625.1  | 5976.7  | 6201.4  |
| 30°   | 4537.8  | 4389.2  | 4081.1  | 3925.2  | 3773.0  | 3736.8  | 3870.9  | 4026.7  | 4233.3  | 4276.8  | 4334.8  |
| 32.5° | 3341.7  | 3320.0  | 3338.1  | 3287.3  | 3258.4  | 3254.7  | 3214.9  | 3251.1  | 3272.9  | 3298.2  | 3247.5  |
| 35°   | 3022.8  | 2993.8  | 2943.0  | 2928.5  | 2910.4  | 2917.7  | 2899.5  | 2881.4  | 2895.9  | 2917.7  | 2932.2  |
| 37.5° | 2859.7  | 2816.2  | 2743.7  | 2718.3  | 2718.3  | 2729.2  | 2700.2  | 2692.9  | 2718.3  | 2787.2  | 2823.4  |
| 40°   | 2732.8  | 2682.1  | 2598.7  | 2566.1  | 2587.8  | 2616.8  | 2577.0  | 2562.5  | 2624.1  | 2696.6  | 2754.6  |
| 42.5° | 2613.2  | 2573.3  | 2493.6  | 2457.4  | 2475.5  | 2529.8  | 2471.9  | 2461.0  | 2540.7  | 2620.5  | 2689.3  |
| 45°   | 2511.7  | 2471.9  | 2399.4  | 2381.2  | 2388.5  | 2439.2  | 2399.4  | 2399.4  | 2475.5  | 2562.5  | 2624.1  |
| 47.5° | 2432.0  | 2381.2  | 2334.1  | 2319.6  | 2326.9  | 2355.9  | 2348.6  | 2348.6  | 2421.1  | 2511.7  | 2573.3  |
| 50°   | 2352.2  | 2308.8  | 2247.1  | 2254.4  | 2272.5  | 2312.4  | 2308.8  | 2319.6  | 2392.1  | 2504.5  | 2569.7  |
| 52.5° | 2316.0  | 2250.8  | 2181.9  | 2189.1  | 2243.5  | 2290.6  | 2276.1  | 2287.0  | 2370.4  | 2580.6  | 2674.8  |
| 55°   | 2276.1  | 2189.1  | 2109.4  | 2120.3  | 2181.9  | 2250.8  | 2232.6  | 2247.1  | 2345.0  | 2631.3  | 2761.8  |
| 57.5° | 2200.0  | 2098.5  | 2011.6  | 2018.8  | 2109.4  | 2181.9  | 2152.9  | 2171.0  | 2287.0  | 2577.0  | 2714.7  |
| 58°   | 2167.4  | 2080.4  | 1997.1  | 2000.7  | 2087.7  | 2167.4  | 2134.8  | 2149.3  | 2268.9  | 2562.5  | 2692.9  |
| 60°   | 2029.7  | 1978.9  | 1906.4  | 1910.1  | 1993.4  | 2062.3  | 2044.2  | 2058.7  | 2174.7  | 2457.4  | 2555.2  |
| 62.5° | 1841.2  | 1812.2  | 1794.1  | 1794.1  | 1844.8  | 1910.1  | 1928.2  | 1946.3  | 2051.4  | 2221.8  | 2308.8  |
| 65°   | 1638.2  | 1638.2  | 1641.9  | 1641.9  | 1674.5  | 1757.8  | 1768.7  | 1815.8  | 1913.7  | 1997.1  | 2062.3  |
| 67.5° | 1500.5  | 1493.3  | 1500.5  | 1482.4  | 1496.9  | 1547.6  | 1602.0  | 1645.5  | 1747.0  | 1805.0  | 1826.7  |
| 70°   | 1322.9  | 1319.3  | 1322.9  | 1297.5  | 1315.7  | 1359.2  | 1395.4  | 1467.9  | 1573.0  | 1616.5  | 1627.4  |
| 72.5° | 1148.9  | 1148.9  | 1156.2  | 1138.1  | 1138.1  | 1185.2  | 1210.6  | 1290.3  | 1388.2  | 1413.5  | 1417.1  |
| 75°   | 967.7   | 978.6   | 978.6   | 953.2   | 960.5   | 989.5   | 1022.1  | 1087.3  | 1177.9  | 1196.1  | 1196.1  |
| 77.5° | 768.4   | 808.2   | 808.2   | 782.9   | 793.7   | 797.4   | 840.9   | 873.5   | 942.3   | 949.6   | 920.6   |
| 80°   | 558.2   | 598.0   | 630.6   | 608.9   | 627.0   | 605.3   | 630.6   | 652.4   | 721.3   | 688.6   | 641.5   |
| 82.5° | 398.7   | 427.7   | 453.1   | 456.7   | 438.6   | 398.7   | 431.3   | 434.9   | 467.6   | 424.1   | 398.7   |
| 85°   | 221.1   | 246.5   | 279.1   | 264.6   | 235.6   | 210.2   | 221.1   | 228.3   | 224.7   | 213.8   | 199.3   |
| 87.5° | 58.0    | 61.6    | 68.9    | 50.7    | 47.1    | 39.9    | 54.4    | 54.4    | 61.6    | 65.2    | 61.6    |
| 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°    | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 |
| 2.5°  | 11739.5 | 11899.0 | 12243.3 | 12504.2 | 12823.2 | 13211.0 | 13667.7 | 14128.0 | 14624.5 | 14780.4 | 14997.8 |
| 5°    | 9713.4  | 10112.1 | 10278.9 | 10753.7 | 11224.8 | 11931.6 | 12685.5 | 13559.0 | 14515.8 | 14976.1 | 15418.3 |
| 7.5°  | 8299.9  | 8513.8  | 8687.7  | 9035.7  | 9601.1  | 10460.1 | 11406.0 | 12497.0 | 13852.5 | 14523.0 | 15171.8 |
| 10°   | 7538.8  | 7560.5  | 7774.4  | 8205.7  | 8698.6  | 9456.1  | 10351.3 | 11572.8 | 13084.2 | 13899.6 | 14660.8 |
| 12.5° | 7035.0  | 6940.8  | 7172.7  | 7622.2  | 8180.3  | 8879.8  | 9702.6  | 10866.0 | 12529.6 | 13366.9 | 14287.5 |
| 15°   | 6592.8  | 6444.2  | 6618.2  | 7078.5  | 7629.4  | 8452.1  | 9336.5  | 10568.8 | 12312.2 | 13287.1 | 14309.2 |
| 17.5° | 6603.7  | 6194.1  | 6255.7  | 6643.6  | 7190.8  | 8028.1  | 9100.9  | 10557.9 | 12642.0 | 13765.5 | 14976.1 |
| 20°   | 7419.2  | 6763.2  | 6484.1  | 6556.6  | 7085.7  | 7999.1  | 9209.7  | 11065.4 | 13725.7 | 15363.9 | 16657.8 |
| 22.5° | 8220.2  | 7825.1  | 7375.7  | 7227.1  | 7517.0  | 8473.9  | 9901.9  | 12265.0 | 16081.5 | 18549.8 | 20887.5 |
| 25°   | 7941.1  | 8278.2  | 8165.8  | 7955.6  | 8020.8  | 8814.6  | 10373.1 | 13250.9 | 17911.9 | 20691.8 | 22888.2 |
| 27.5° | 6353.6  | 6966.1  | 7089.4  | 7085.7  | 7111.1  | 7763.5  | 9329.3  | 12587.6 | 18140.2 | 21101.4 | 23199.9 |
| 30°   | 4465.3  | 4519.7  | 4584.9  | 4711.7  | 4827.7  | 5411.3  | 7299.6  | 11050.9 | 18038.7 | 21286.2 | 23388.4 |
| 32.5° | 3222.1  | 3294.6  | 3385.2  | 3559.2  | 3834.6  | 4577.6  | 6386.2  | 10561.6 | 18575.2 | 22051.0 | 23939.3 |
| 35°   | 2946.7  | 3030.0  | 3117.0  | 3316.3  | 3577.3  | 4265.9  | 6023.8  | 10358.6 | 19455.9 | 23290.5 | 24928.8 |
| 37.5° | 2859.7  | 2953.9  | 3030.0  | 3175.0  | 3385.2  | 4041.2  | 5694.0  | 10220.9 | 20358.4 | 24602.6 | 26255.3 |
| 40°   | 2798.1  | 2906.8  | 2968.4  | 3084.4  | 3229.4  | 3834.6  | 5400.4  | 10112.1 | 21231.8 | 25802.2 | 27320.9 |
| 42.5° | 2743.7  | 2856.0  | 2935.8  | 3019.1  | 3138.7  | 3649.8  | 5139.4  | 10003.4 | 21989.4 | 26965.7 | 28382.8 |
| 45°   | 2678.4  | 2819.8  | 2921.3  | 2986.5  | 3091.6  | 3493.9  | 4940.1  | 9916.4  | 22852.0 | 27998.6 | 29455.7 |
| 47.5° | 2624.1  | 2779.9  | 2906.8  | 2982.9  | 3022.8  | 3385.2  | 4780.6  | 10036.0 | 23888.5 | 29078.7 | 30452.4 |
| 50°   | 2627.7  | 2776.3  | 2935.8  | 3055.4  | 2950.3  | 3294.6  | 4682.8  | 10510.8 | 25236.8 | 30361.8 | 31238.9 |
| 52.5° | 2743.7  | 2924.9  | 3051.8  | 3080.8  | 2848.8  | 3185.9  | 4632.0  | 11340.8 | 26831.6 | 31496.2 | 32032.6 |
| 55°   | 2874.2  | 3062.6  | 3200.4  | 3182.2  | 2794.4  | 3048.1  | 4621.1  | 12225.2 | 28578.5 | 32819.1 | 33065.6 |
| 57.5° | 2827.0  | 3102.5  | 3312.7  | 3218.5  | 2798.1  | 2914.0  | 4574.0  | 12939.2 | 30039.2 | 33808.6 | 34087.7 |
| 58°   | 2812.5  | 3088.0  | 3327.2  | 3211.2  | 2787.2  | 2874.2  | 4563.1  | 13000.8 | 30242.2 | 33877.4 | 34232.6 |
| 60°   | 2671.2  | 2961.2  | 3316.3  | 3156.9  | 2725.6  | 2765.4  | 4443.5  | 13200.1 | 30187.8 | 33522.3 | 34319.6 |
| 62.5° | 2413.9  | 2653.1  | 3066.3  | 2892.3  | 2537.1  | 2620.5  | 4175.3  | 12953.7 | 28716.3 | 31811.5 | 33047.5 |
| 65°   | 2123.9  | 2301.5  | 2577.0  | 2544.3  | 2268.9  | 2471.9  | 3809.3  | 11978.7 | 25769.6 | 29035.2 | 30336.4 |
| 67.5° | 1906.4  | 2051.4  | 2225.4  | 2178.3  | 2040.5  | 2272.5  | 3414.2  | 10329.6 | 22464.2 | 25700.8 | 27339.0 |
| 70°   | 1685.4  | 1797.7  | 1884.7  | 1852.1  | 1808.6  | 2076.8  | 3062.6  | 8383.3  | 19296.4 | 22533.0 | 24120.5 |
| 72.5° | 1460.6  | 1565.7  | 1638.2  | 1591.1  | 1565.7  | 1870.2  | 2776.3  | 6505.8  | 15240.7 | 18589.6 | 20630.2 |
| 75°   | 1221.4  | 1326.5  | 1377.3  | 1322.9  | 1308.4  | 1649.1  | 2352.2  | 4860.3  | 11435.0 | 14331.0 | 16092.4 |
| 77.5° | 946.0   | 1058.3  | 1123.6  | 1105.4  | 1112.7  | 1355.5  | 1899.2  | 3327.2  | 8176.7  | 9767.8  | 11623.5 |
| 80°   | 663.3   | 786.5   | 830.0   | 811.9   | 862.6   | 1033.0  | 1341.0  | 2113.0  | 5639.6  | 6339.1  | 7647.5  |
| 82.5° | 409.6   | 525.5   | 532.8   | 550.9   | 587.2   | 764.8   | 1011.2  | 1286.7  | 3541.1  | 3660.7  | 4610.3  |
| 85°   | 206.6   | 250.1   | 268.2   | 297.2   | 329.8   | 467.6   | 576.3   | 797.4   | 2279.8  | 1725.2  | 2577.0  |
| 87.5° | 68.9    | 72.5    | 87.0    | 108.7   | 134.1   | 192.1   | 246.5   | 326.2   | 565.4   | 311.7   | 797.4   |
| 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):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 | 13787.3 |
| 2.5°  | 15436.4 | 15744.5 | 15969.2 | 16175.8 | 15976.4 | 15958.3 | 15762.6 | 15447.3 | 15316.8 | 15316.8 |
| 5°    | 16346.1 | 17067.4 | 17650.9 | 18024.2 | 17864.8 | 17480.6 | 16846.3 | 16038.1 | 15603.1 | 15527.0 |
| 7.5°  | 16596.2 | 18020.6 | 19104.3 | 19488.5 | 19220.3 | 18372.2 | 17158.0 | 15795.2 | 15171.8 | 15034.1 |
| 10°   | 16444.0 | 18296.1 | 19887.2 | 20496.1 | 20122.8 | 18839.7 | 17183.4 | 15512.5 | 14744.1 | 14584.7 |
| 12.5° | 16284.5 | 18332.3 | 20032.2 | 20912.9 | 20670.1 | 19216.7 | 17368.2 | 15327.7 | 14439.7 | 14211.3 |
| 15°   | 16400.5 | 18346.8 | 19854.6 | 20764.3 | 20920.1 | 19669.7 | 17672.7 | 15461.8 | 14378.1 | 14135.2 |
| 17.5° | 17132.6 | 18622.3 | 19600.9 | 20336.6 | 20883.9 | 20285.9 | 18538.9 | 16103.3 | 14929.0 | 14628.2 |
| 20°   | 18662.1 | 19281.9 | 19745.8 | 20314.9 | 21195.6 | 21543.5 | 20311.2 | 17864.8 | 16476.6 | 16212.0 |
| 22.5° | 23091.2 | 22978.8 | 22029.2 | 22018.3 | 23294.1 | 24689.5 | 24606.2 | 21445.7 | 19358.0 | 19140.6 |
| 25°   | 24751.2 | 24229.2 | 22855.6 | 22522.1 | 23083.9 | 25236.8 | 24925.1 | 22177.8 | 20249.6 | 19720.5 |
| 27.5° | 24102.4 | 22808.5 | 21906.0 | 21829.9 | 21645.0 | 23678.3 | 24428.6 | 22475.0 | 20561.3 | 20046.7 |
| 30°   | 24062.5 | 22159.7 | 20869.4 | 21021.6 | 21199.2 | 23141.9 | 24704.0 | 23406.5 | 21358.7 | 20807.8 |
| 32.5° | 24160.4 | 22250.3 | 20945.5 | 20974.5 | 21503.7 | 23221.7 | 25008.5 | 24421.3 | 22406.2 | 21855.2 |
| 35°   | 24555.4 | 22765.0 | 21431.2 | 21362.3 | 22188.7 | 23743.6 | 25526.8 | 26016.1 | 23837.8 | 23210.8 |
| 37.5° | 25193.3 | 23790.7 | 22319.2 | 22301.1 | 23500.7 | 24685.9 | 26171.9 | 27625.3 | 25262.2 | 24588.1 |
| 40°   | 26132.1 | 24990.4 | 23899.4 | 23801.6 | 25284.0 | 26219.1 | 27009.2 | 29339.7 | 26918.6 | 26052.3 |
| 42.5° | 27266.5 | 26429.3 | 25983.5 | 26371.3 | 27795.7 | 27940.7 | 28314.0 | 30923.5 | 28328.5 | 27320.9 |
| 45°   | 28317.6 | 28277.7 | 28897.5 | 29926.8 | 30756.8 | 29887.0 | 29676.7 | 31985.5 | 29423.0 | 28328.5 |
| 47.5° | 29568.0 | 30648.1 | 32518.3 | 34026.1 | 34895.9 | 32152.2 | 30840.2 | 32677.8 | 30220.4 | 29212.8 |
| 50°   | 30836.6 | 33486.0 | 36472.5 | 38574.7 | 38759.5 | 34613.2 | 31641.2 | 33330.2 | 30945.3 | 29897.8 |
| 52.5° | 32170.3 | 35751.3 | 39727.3 | 42170.1 | 41811.3 | 36755.2 | 32416.8 | 33772.3 | 31691.9 | 30771.3 |
| 55°   | 33330.2 | 37139.4 | 41546.7 | 43891.7 | 43366.2 | 38060.0 | 33254.0 | 34250.8 | 32757.5 | 31981.9 |
| 57.5° | 33978.9 | 37255.4 | 41093.7 | 43141.5 | 42572.4 | 37806.3 | 33638.2 | 34606.0 | 33438.9 | 32830.0 |
| 58°   | 34073.2 | 37099.6 | 40691.4 | 42706.5 | 42126.6 | 37592.5 | 33634.6 | 34591.5 | 33482.4 | 32869.9 |
| 60°   | 33989.8 | 36088.3 | 39194.5 | 40988.6 | 40379.7 | 36251.4 | 33496.9 | 34319.6 | 32931.5 | 32413.2 |
| 62.5° | 33217.8 | 34334.1 | 36610.3 | 37915.1 | 37741.1 | 34156.5 | 32931.5 | 33293.9 | 31253.4 | 30753.2 |
| 65°   | 32203.0 | 31942.0 | 33301.2 | 34225.4 | 34355.9 | 32587.2 | 32369.7 | 31075.8 | 29100.5 | 28393.7 |
| 67.5° | 30970.7 | 29230.9 | 29227.3 | 29752.9 | 29970.3 | 30173.3 | 31199.0 | 28665.5 | 25998.0 | 25251.3 |
| 70°   | 28879.4 | 25052.0 | 23899.4 | 24519.2 | 24338.0 | 26052.3 | 29107.7 | 25280.3 | 22257.6 | 21384.1 |
| 72.5° | 25044.7 | 19879.9 | 18035.1 | 18832.5 | 18375.8 | 20430.9 | 25468.8 | 20804.2 | 18404.8 | 17332.0 |
| 75°   | 20300.4 | 14871.0 | 12968.2 | 13700.3 | 13417.6 | 15498.0 | 21192.0 | 15110.2 | 13200.1 | 12790.6 |
| 77.5° | 15762.6 | 10775.4 | 9670.0  | 9568.5  | 9778.7  | 11532.9 | 15545.1 | 10202.7 | 8702.2  | 8423.2  |
| 80°   | 10126.6 | 7712.8  | 7778.0  | 7647.5  | 7756.3  | 7270.6  | 9438.0  | 6509.5  | 5893.3  | 5668.6  |
| 82.5° | 6665.3  | 5375.0  | 6408.0  | 5915.1  | 5617.9  | 4889.3  | 6190.5  | 4262.3  | 3617.2  | 3493.9  |
| 85°   | 4541.4  | 3957.9  | 3602.7  | 2754.6  | 3243.9  | 3765.8  | 4642.9  | 2294.3  | 1819.5  | 1649.1  |
| 87.5° | 2051.4  | 1377.3  | 1011.2  | 623.4   | 985.8   | 1138.1  | 2254.4  | 268.2   | 206.6   | 213.8   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)