

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: P158132

Luminaire Tested: **VTS-E06-LED-E1-SL2-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158132  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E06-LED-E1-SL2-7060  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (126) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

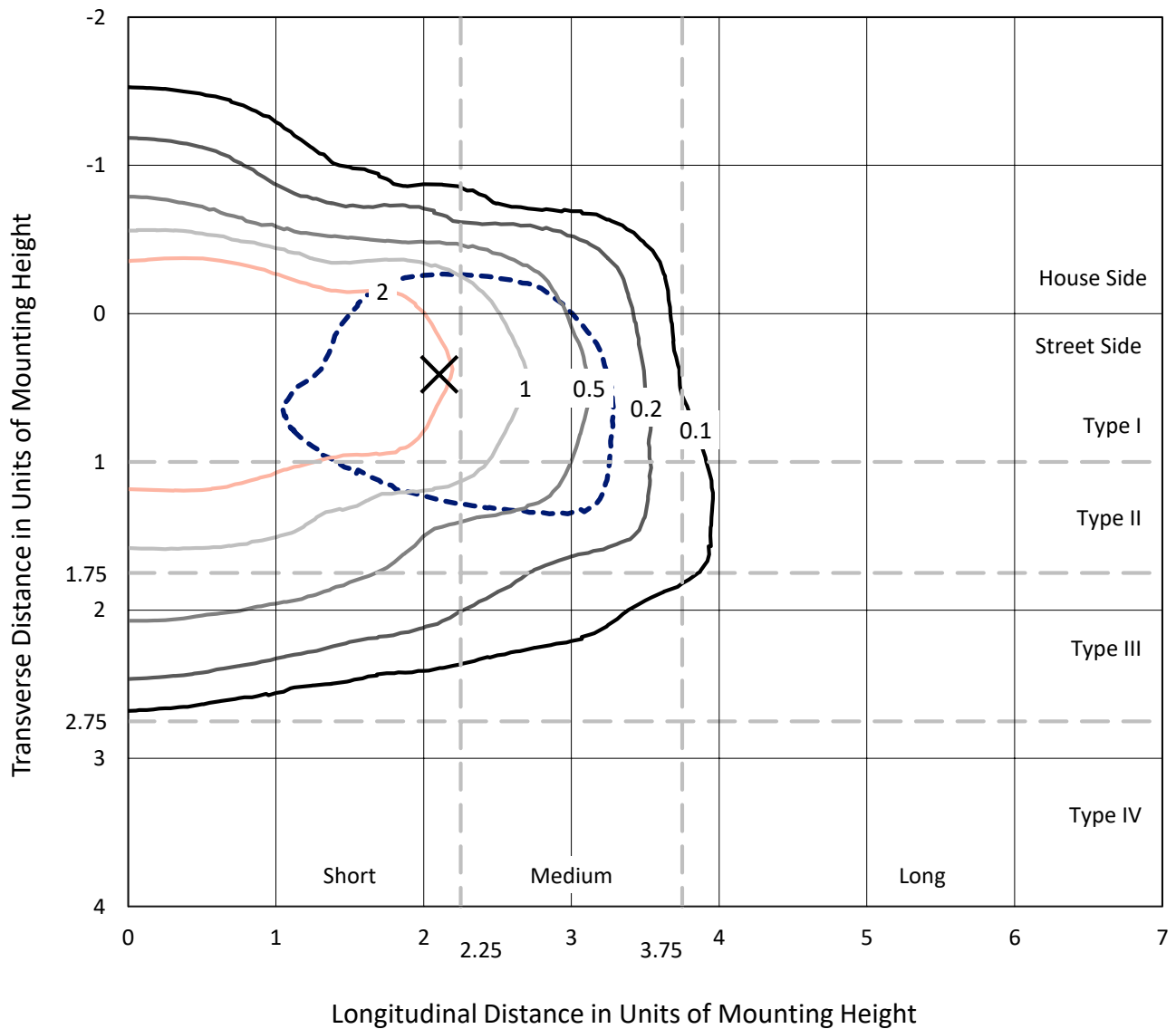
Lumens per Lamp: N/A  
Luminaire Lumens: 18523.9 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5  
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: 25 FT

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### Iso-Footcandle Lines of Horizontal Illumination

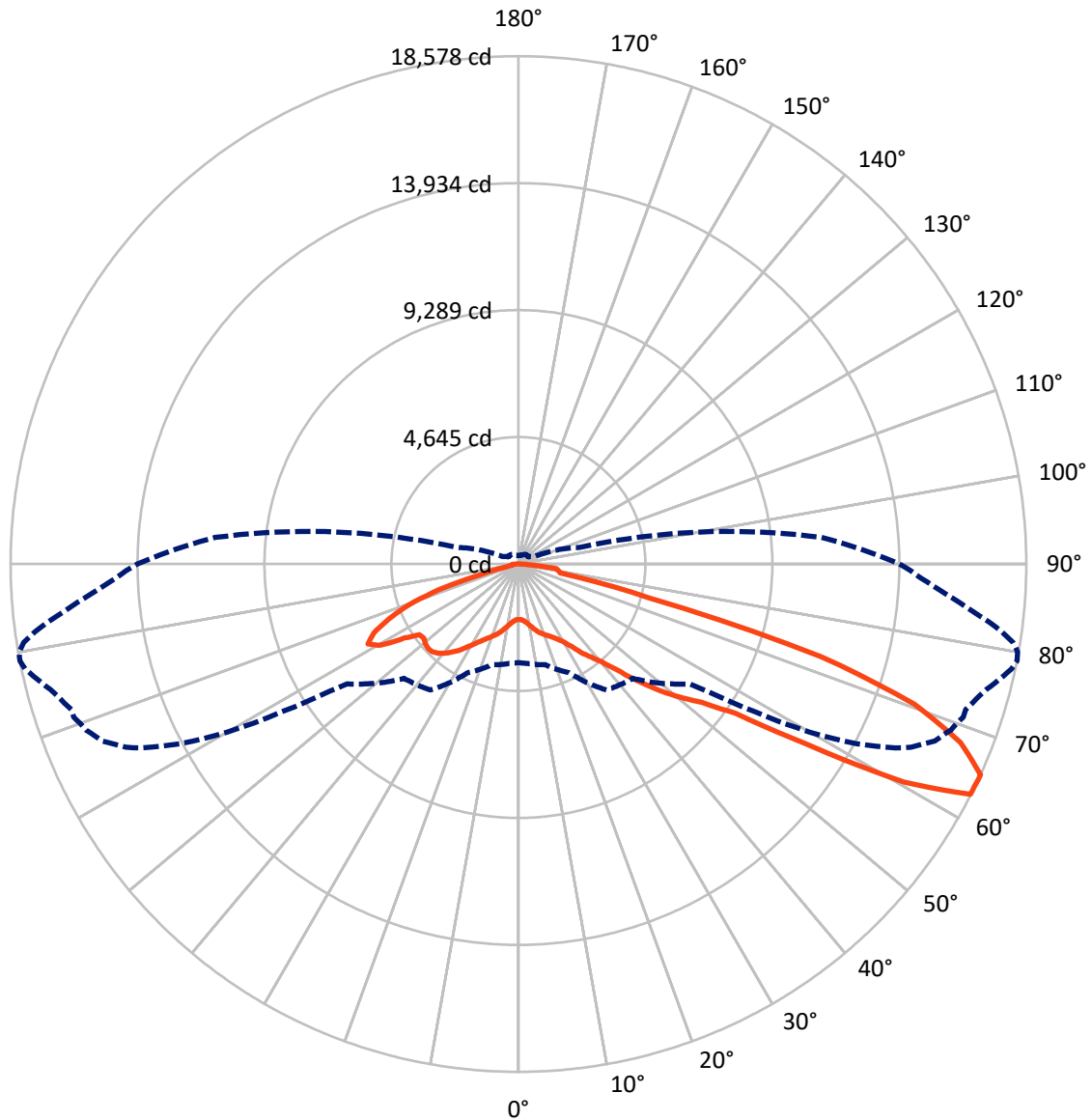
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4256.4   | 0.0    | 4256.4  |
|                    | % Fixture | 23.0     | 0.0    | 23.0    |
| <b>Street Side</b> | Lumens    | 14267.4  | 0.0    | 14267.4 |
|                    | % Fixture | 77.0     | 0.0    | 77.0    |
| <b>Total</b>       | Lumens    | 18523.9  | 0.0    | 18523.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 200.5   | 1.1       |
| 10°-20°   | 651.2   | 3.5       |
| 20°-30°   | 1122.7  | 6.1       |
| 30°-40°   | 1839.0  | 9.9       |
| 40°-50°   | 3079.7  | 16.6      |
| 50°-60°   | 4165.7  | 22.5      |
| 60°-70°   | 5130.0  | 27.7      |
| 70°-80°   | 1985.8  | 10.7      |
| 80°-90°   | 349.2   | 1.9       |
| 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°    | 18523.9 | 100.0     |
| 0°-180°   | 18523.9 | 100.0     |



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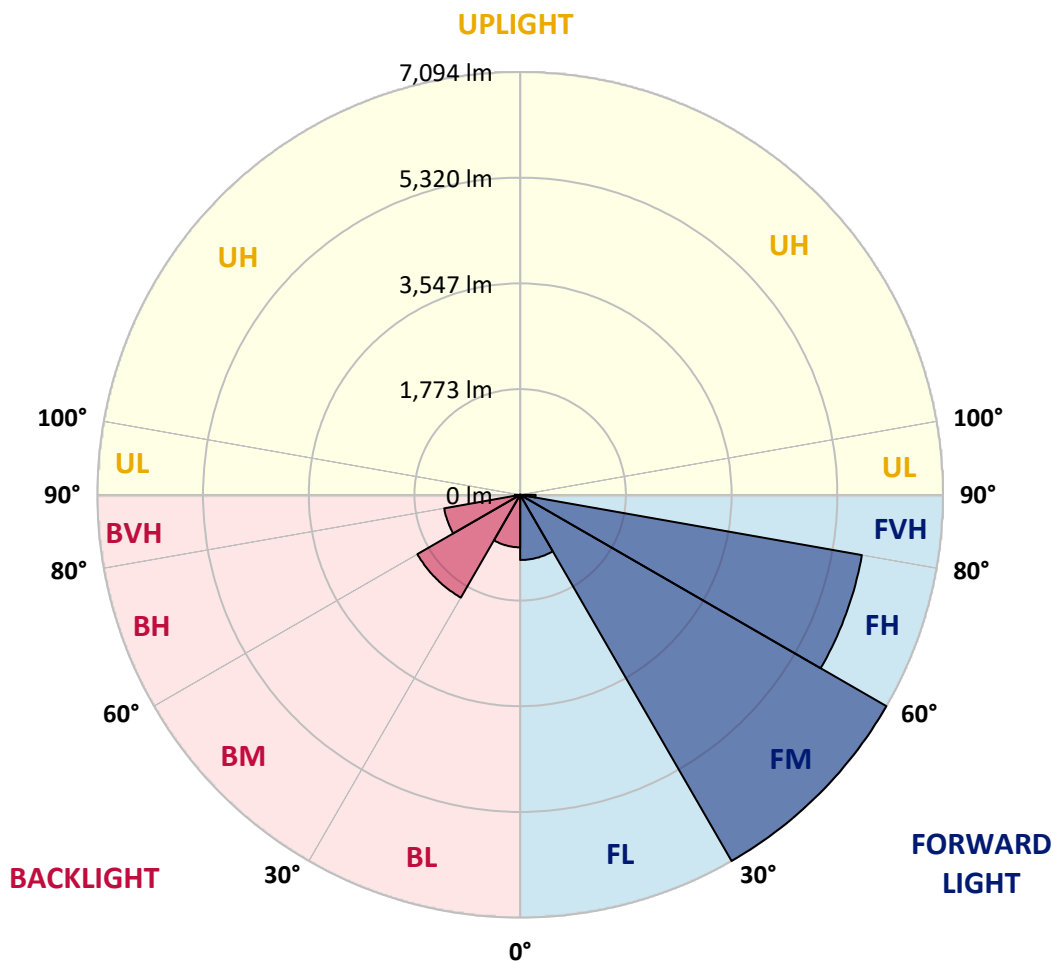
CATALOG NUMBER: VTS-E06-LED-E1-SL2-7060

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1093.6 | 5.9       |                         |      |         |
| FM (30°-60°)   | 7093.8 | 38.3      |                         |      |         |
| FH (60°-80°)   | 5820.9 | 31.4      |                         |      | G3/7500 |
| FVH (80°-90°)  | 259.1  | 1.4       |                         |      | G3/500  |
| BL (0°-30°)    | 880.9  | 4.8       | B2/1000                 |      |         |
| BM (30°-60°)   | 1990.5 | 10.7      | B2/2500                 |      |         |
| BH (60°-80°)   | 1295.0 | 7.0       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 90.1   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°     | 58°     | 59°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8  | 2026.8  | 2026.8  |
| 2.5°  | 2030.5 | 2024.3 | 2030.5 | 2035.4 | 2039.1 | 2044.0 | 2042.8 | 2041.5 | 2040.3  | 2041.5  | 2041.5  |
| 5°    | 2047.7 | 2046.5 | 2052.6 | 2057.5 | 2066.2 | 2072.3 | 2079.7 | 2079.7 | 2079.7  | 2078.5  | 2080.9  |
| 7.5°  | 2103.1 | 2101.9 | 2108.0 | 2113.0 | 2120.3 | 2132.7 | 2142.5 | 2147.4 | 2146.2  | 2146.2  | 2146.2  |
| 10°   | 2194.2 | 2189.3 | 2189.3 | 2189.3 | 2199.1 | 2207.8 | 2229.9 | 2232.4 | 2237.3  | 2234.9  | 2236.1  |
| 12.5° | 2282.9 | 2284.1 | 2280.4 | 2276.7 | 2278.0 | 2295.2 | 2327.2 | 2333.4 | 2334.6  | 2338.3  | 2340.8  |
| 15°   | 2362.9 | 2361.7 | 2353.1 | 2344.4 | 2355.5 | 2385.1 | 2426.9 | 2438.0 | 2438.0  | 2445.4  | 2450.3  |
| 17.5° | 2436.8 | 2434.3 | 2418.3 | 2403.5 | 2414.6 | 2465.1 | 2530.4 | 2537.8 | 2548.8  | 2552.5  | 2557.5  |
| 20°   | 2524.2 | 2519.3 | 2500.8 | 2461.4 | 2461.4 | 2530.4 | 2616.6 | 2624.0 | 2633.8  | 2636.3  | 2644.9  |
| 22.5° | 2646.1 | 2633.8 | 2594.4 | 2523.0 | 2503.3 | 2583.3 | 2689.2 | 2692.9 | 2700.3  | 2710.1  | 2717.5  |
| 25°   | 2784.0 | 2786.5 | 2722.5 | 2598.1 | 2555.0 | 2638.7 | 2759.4 | 2765.6 | 2779.1  | 2786.5  | 2795.1  |
| 27.5° | 2926.9 | 2930.6 | 2859.1 | 2704.0 | 2631.3 | 2715.1 | 2854.2 | 2861.6 | 2877.6  | 2886.2  | 2899.8  |
| 30°   | 3089.4 | 3094.3 | 3025.4 | 2869.0 | 2758.2 | 2827.1 | 2994.6 | 3014.3 | 3027.8  | 3038.9  | 3061.1  |
| 32.5° | 3479.7 | 3450.2 | 3402.2 | 3235.9 | 3061.1 | 3056.2 | 3221.2 | 3243.3 | 3261.8  | 3285.2  | 3306.1  |
| 35°   | 3971.0 | 3989.5 | 4014.1 | 3902.1 | 3748.2 | 3636.1 | 3649.7 | 3637.3 | 3654.6  | 3689.1  | 3710.0  |
| 37.5° | 4360.1 | 4400.8 | 4507.9 | 4580.5 | 4574.4 | 4552.2 | 4345.4 | 4345.4 | 4356.4  | 4338.0  | 4335.5  |
| 40°   | 4665.5 | 4691.4 | 4910.5 | 5192.5 | 5430.2 | 5547.1 | 5383.4 | 5360.0 | 5372.3  | 5277.5  | 5281.2  |
| 42.5° | 4823.1 | 4861.3 | 5176.5 | 5671.5 | 6143.1 | 6518.6 | 6468.2 | 6452.2 | 6415.2  | 6391.8  | 6377.0  |
| 45°   | 4903.1 | 4948.7 | 5324.3 | 6003.9 | 6691.0 | 7271.0 | 7532.0 | 7529.6 | 7496.3  | 7469.2  | 7456.9  |
| 47.5° | 4862.5 | 4901.9 | 5302.1 | 6104.9 | 6979.2 | 7756.1 | 8333.6 | 8369.3 | 8359.5  | 8398.9  | 8414.9  |
| 50°   | 4596.5 | 4647.0 | 5048.4 | 5887.0 | 6858.5 | 7947.0 | 8888.9 | 8955.4 | 9045.3  | 9102.0  | 9177.1  |
| 52.5° | 4356.4 | 4398.3 | 4760.3 | 5533.6 | 6462.0 | 7791.8 | 9223.9 | 9360.5 | 9483.7  | 9599.4  | 9689.3  |
| 55°   | 4105.2 | 4147.1 | 4464.8 | 5166.6 | 6061.8 | 7333.8 | 9376.6 | 9576.0 | 9768.1  | 9963.9  | 10143.7 |
| 57.5° | 4010.4 | 4054.8 | 4291.2 | 4882.2 | 5734.3 | 6879.4 | 9451.7 | 9779.2 | 10092.0 | 10424.4 | 10769.2 |
| 60°   | 4256.7 | 4296.1 | 4475.9 | 4889.6 | 5484.3 | 6425.1 | 9300.2 | 9814.9 | 10353.0 | 10900.9 | 11430.4 |
| 62.5° | 4181.6 | 4202.5 | 4426.6 | 5068.1 | 5803.2 | 5976.9 | 8643.9 | 9323.6 | 10105.5 | 10908.3 | 11719.8 |
| 65°   | 3607.8 | 3648.4 | 3817.1 | 4381.1 | 5624.7 | 5916.5 | 7644.1 | 8327.5 | 9249.7  | 10199.1 | 11286.3 |
| 67.5° | 2588.2 | 2531.6 | 2662.1 | 3155.9 | 4363.8 | 5906.7 | 6518.6 | 7024.7 | 7747.5  | 8475.2  | 9366.7  |
| 70°   | 1175.9 | 1148.8 | 1251.0 | 1641.4 | 2632.6 | 4668.0 | 5511.4 | 5682.6 | 5951.0  | 6441.1  | 7043.2  |
| 72.5° | 464.2  | 463.0  | 529.5  | 678.5  | 1244.9 | 3004.4 | 4634.7 | 4733.2 | 4828.0  | 5041.1  | 5300.9  |
| 75°   | 304.1  | 304.1  | 323.8  | 365.7  | 613.2  | 1450.5 | 3920.5 | 4010.4 | 4155.7  | 4216.1  | 4326.9  |
| 77.5° | 229.0  | 230.3  | 238.9  | 248.7  | 338.6  | 763.4  | 2766.8 | 3085.7 | 3332.0  | 3515.4  | 3649.7  |
| 80°   | 162.5  | 169.9  | 185.9  | 192.1  | 220.4  | 434.7  | 1563.8 | 1794.0 | 2072.3  | 2369.1  | 2742.2  |
| 82.5° | 121.9  | 130.5  | 157.6  | 165.0  | 174.8  | 247.5  | 705.6  | 800.4  | 934.6   | 1211.6  | 1742.3  |
| 85°   | 56.6   | 62.8   | 108.4  | 118.2  | 126.8  | 142.8  | 358.3  | 400.2  | 454.4   | 497.5   | 580.0   |
| 87.5° | 8.6    | 6.2    | 18.5   | 25.9   | 40.6   | 41.9   | 123.1  | 146.5  | 158.8   | 190.9   | 198.2   |
| 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):**

|       | 60°     | 61°     | 62°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  |
| 2.5°  | 2041.5  | 2042.8  | 2044.0  | 2041.5  | 2042.8  | 2042.8  | 2040.3  | 2039.1  | 2039.1  | 2039.1  | 2040.3  |
| 5°    | 2080.9  | 2083.4  | 2080.9  | 2082.2  | 2087.1  | 2085.9  | 2083.4  | 2082.2  | 2087.1  | 2088.3  | 2084.6  |
| 7.5°  | 2151.1  | 2152.4  | 2147.4  | 2153.6  | 2156.1  | 2157.3  | 2157.3  | 2159.7  | 2159.7  | 2163.4  | 2159.7  |
| 10°   | 2241.0  | 2241.0  | 2249.6  | 2248.4  | 2249.6  | 2252.1  | 2253.3  | 2258.3  | 2261.9  | 2261.9  | 2264.4  |
| 12.5° | 2344.4  | 2345.7  | 2354.3  | 2355.5  | 2360.5  | 2361.7  | 2369.1  | 2364.1  | 2376.5  | 2376.5  | 2380.2  |
| 15°   | 2451.6  | 2460.2  | 2461.4  | 2473.7  | 2476.2  | 2477.4  | 2487.3  | 2487.3  | 2495.9  | 2497.1  | 2499.6  |
| 17.5° | 2557.5  | 2564.9  | 2569.8  | 2579.6  | 2588.2  | 2591.9  | 2595.6  | 2603.0  | 2609.2  | 2611.6  | 2617.8  |
| 20°   | 2648.6  | 2656.0  | 2660.9  | 2670.7  | 2678.1  | 2684.3  | 2688.0  | 2696.6  | 2702.8  | 2705.2  | 2713.8  |
| 22.5° | 2724.9  | 2729.9  | 2738.5  | 2752.0  | 2754.5  | 2761.9  | 2772.9  | 2779.1  | 2781.6  | 2789.0  | 2798.8  |
| 25°   | 2806.2  | 2813.6  | 2818.5  | 2830.8  | 2840.7  | 2853.0  | 2862.8  | 2872.7  | 2875.1  | 2885.0  | 2893.6  |
| 27.5° | 2914.5  | 2921.9  | 2923.2  | 2947.8  | 2957.6  | 2974.9  | 2986.0  | 3000.7  | 3008.1  | 3016.8  | 3034.0  |
| 30°   | 3074.6  | 3091.9  | 3099.2  | 3127.6  | 3132.5  | 3152.2  | 3171.9  | 3176.8  | 3187.9  | 3189.1  | 3217.5  |
| 32.5° | 3319.7  | 3344.3  | 3354.1  | 3383.7  | 3391.1  | 3409.5  | 3420.6  | 3446.5  | 3447.7  | 3460.0  | 3466.2  |
| 35°   | 3721.1  | 3714.9  | 3753.1  | 3760.5  | 3782.6  | 3798.6  | 3809.7  | 3809.7  | 3833.1  | 3834.4  | 3841.7  |
| 37.5° | 4269.0  | 4256.7  | 4266.5  | 4222.2  | 4233.3  | 4213.6  | 4209.9  | 4214.8  | 4205.0  | 4207.4  | 4206.2  |
| 40°   | 5145.7  | 5090.3  | 5032.4  | 4895.8  | 4866.2  | 4809.6  | 4765.2  | 4729.5  | 4695.0  | 4658.1  | 4633.5  |
| 42.5° | 6245.3  | 6165.3  | 6079.1  | 5859.9  | 5757.7  | 5648.1  | 5541.0  | 5479.4  | 5356.3  | 5281.2  | 5240.5  |
| 45°   | 7397.8  | 7304.2  | 7183.6  | 7001.3  | 6856.0  | 6739.1  | 6543.3  | 6450.9  | 6260.1  | 6165.3  | 6037.2  |
| 47.5° | 8342.2  | 8343.5  | 8246.2  | 8061.5  | 7906.3  | 7828.8  | 7706.9  | 7528.3  | 7311.6  | 7189.7  | 6961.9  |
| 50°   | 9168.5  | 9167.2  | 9161.1  | 9050.2  | 8941.9  | 8856.9  | 8749.8  | 8588.5  | 8411.2  | 8273.3  | 8012.2  |
| 52.5° | 9779.2  | 9860.5  | 9894.9  | 9893.7  | 9880.2  | 9840.8  | 9759.5  | 9620.4  | 9440.6  | 9363.0  | 9154.9  |
| 55°   | 10284.0 | 10461.4 | 10553.7 | 10755.6 | 10774.1 | 10839.4 | 10768.0 | 10769.2 | 10663.3 | 10670.7 | 10604.2 |
| 57.5° | 11048.7 | 11372.5 | 11558.5 | 12005.4 | 12229.5 | 12500.4 | 12452.4 | 12679.0 | 12761.5 | 12866.1 | 13005.3 |
| 60°   | 11916.8 | 12521.4 | 12962.2 | 13851.2 | 14213.2 | 14651.6 | 14892.9 | 15150.2 | 15337.4 | 15529.5 | 15671.1 |
| 62.5° | 12537.4 | 13331.6 | 14055.6 | 15322.6 | 15793.0 | 16254.7 | 16558.9 | 16870.4 | 17081.0 | 17218.9 | 17321.1 |
| 65°   | 12283.7 | 13161.6 | 14017.4 | 15346.0 | 15858.3 | 16193.2 | 16555.2 | 16735.0 | 16945.5 | 17060.0 | 17206.6 |
| 67.5° | 10438.0 | 11318.4 | 12235.7 | 13803.2 | 14338.8 | 14801.8 | 15083.8 | 15316.5 | 15486.4 | 15631.7 | 15800.4 |
| 70°   | 7762.3  | 8725.2  | 9673.3  | 11392.2 | 12068.2 | 12736.8 | 13069.3 | 13357.4 | 13534.7 | 13681.3 | 13867.2 |
| 72.5° | 5586.5  | 6189.9  | 6782.1  | 8706.7  | 9382.7  | 10247.1 | 10591.9 | 10912.0 | 11142.3 | 11134.9 | 11331.9 |
| 75°   | 4447.6  | 4692.6  | 4956.1  | 5949.8  | 6434.9  | 7163.9  | 7357.2  | 7536.9  | 7428.6  | 7220.5  | 7208.2  |
| 77.5° | 3702.6  | 3803.6  | 3892.2  | 4203.7  | 4275.2  | 4448.8  | 4352.7  | 4253.0  | 3931.6  | 3660.7  | 3517.9  |
| 80°   | 3005.7  | 3205.1  | 3335.7  | 3557.3  | 3648.4  | 3700.1  | 3713.7  | 3679.2  | 3561.0  | 3397.2  | 3136.2  |
| 82.5° | 2234.9  | 2614.1  | 2872.7  | 3308.6  | 3468.6  | 3501.9  | 3565.9  | 3526.5  | 3448.9  | 3316.0  | 3128.8  |
| 85°   | 655.1   | 741.3   | 849.6   | 1152.5  | 1350.8  | 1519.5  | 1691.8  | 1776.8  | 1829.8  | 1755.9  | 1562.6  |
| 87.5° | 230.3   | 259.8   | 290.6   | 400.2   | 426.0   | 514.7   | 504.8   | 596.0   | 599.7   | 625.5   | 598.4   |
| 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):**

|       | 72°     | 73°     | 74°     | 75°     | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  |
| 2.5°  | 2039.1  | 2039.1  | 2039.1  | 2040.3  | 2040.3  | 2040.3  | 2037.8  | 2036.6  | 2037.8  | 2040.3  | 2040.3  |
| 5°    | 2087.1  | 2088.3  | 2090.8  | 2085.9  | 2087.1  | 2090.8  | 2088.3  | 2087.1  | 2088.3  | 2090.8  | 2088.3  |
| 7.5°  | 2164.7  | 2165.9  | 2163.4  | 2168.4  | 2168.4  | 2170.8  | 2174.5  | 2170.8  | 2172.1  | 2173.3  | 2174.5  |
| 10°   | 2265.6  | 2266.9  | 2269.3  | 2273.0  | 2274.3  | 2276.7  | 2279.2  | 2282.9  | 2282.9  | 2280.4  | 2286.6  |
| 12.5° | 2386.3  | 2385.1  | 2387.5  | 2392.5  | 2394.9  | 2398.6  | 2406.0  | 2406.0  | 2410.9  | 2409.7  | 2415.9  |
| 15°   | 2504.5  | 2510.7  | 2511.9  | 2520.5  | 2524.2  | 2530.4  | 2539.0  | 2543.9  | 2543.9  | 2551.3  | 2553.8  |
| 17.5° | 2622.7  | 2627.7  | 2632.6  | 2640.0  | 2644.9  | 2648.6  | 2658.4  | 2664.6  | 2663.4  | 2676.9  | 2676.9  |
| 20°   | 2713.8  | 2723.7  | 2729.9  | 2734.8  | 2743.4  | 2749.6  | 2756.9  | 2764.3  | 2769.3  | 2777.9  | 2780.3  |
| 22.5° | 2802.5  | 2808.7  | 2817.3  | 2823.4  | 2833.3  | 2840.7  | 2849.3  | 2855.4  | 2864.1  | 2875.1  | 2878.8  |
| 25°   | 2901.0  | 2910.9  | 2920.7  | 2929.3  | 2936.7  | 2945.3  | 2960.1  | 2973.7  | 2986.0  | 2995.8  | 2999.5  |
| 27.5° | 3037.7  | 3048.8  | 3063.5  | 3069.7  | 3080.8  | 3088.2  | 3110.3  | 3127.6  | 3133.7  | 3151.0  | 3155.9  |
| 30°   | 3222.4  | 3234.7  | 3249.5  | 3256.9  | 3276.6  | 3286.4  | 3309.8  | 3328.3  | 3334.4  | 3355.4  | 3359.1  |
| 32.5° | 3489.6  | 3497.0  | 3526.5  | 3525.3  | 3552.4  | 3580.7  | 3594.2  | 3609.0  | 3636.1  | 3647.2  | 3650.9  |
| 35°   | 3860.2  | 3877.4  | 3898.4  | 3897.1  | 3931.6  | 3947.6  | 3974.7  | 3990.7  | 4010.4  | 4009.2  | 4030.1  |
| 37.5° | 4218.5  | 4224.7  | 4232.1  | 4248.1  | 4272.7  | 4294.9  | 4304.7  | 4320.7  | 4335.5  | 4357.7  | 4384.8  |
| 40°   | 4608.9  | 4623.6  | 4624.9  | 4633.5  | 4645.8  | 4674.1  | 4692.6  | 4709.8  | 4760.3  | 4792.3  | 4808.3  |
| 42.5° | 5193.7  | 5190.0  | 5165.4  | 5181.4  | 5188.8  | 5231.9  | 5245.5  | 5298.4  | 5355.0  | 5422.8  | 5441.2  |
| 45°   | 5946.1  | 5896.8  | 5882.0  | 5875.9  | 5915.3  | 5937.5  | 5992.9  | 6091.4  | 6150.5  | 6214.5  | 6245.3  |
| 47.5° | 6872.0  | 6718.1  | 6645.5  | 6629.5  | 6670.1  | 6764.9  | 6783.4  | 6880.7  | 6958.2  | 7005.0  | 7035.8  |
| 50°   | 7799.2  | 7678.6  | 7525.9  | 7474.2  | 7463.1  | 7550.5  | 7571.4  | 7652.7  | 7731.5  | 7745.0  | 7729.0  |
| 52.5° | 8964.1  | 8767.0  | 8514.6  | 8423.5  | 8350.9  | 8357.0  | 8374.3  | 8408.7  | 8459.2  | 8438.3  | 8395.2  |
| 55°   | 10454.0 | 10229.9 | 10105.5 | 9933.1  | 9823.5  | 9803.8  | 9728.7  | 9625.3  | 9621.6  | 9635.1  | 9505.8  |
| 57.5° | 12935.1 | 12841.5 | 12894.5 | 12876.0 | 12767.6 | 12832.9 | 12494.3 | 12398.2 | 12321.9 | 12188.9 | 12069.5 |
| 60°   | 15796.7 | 15892.7 | 16002.3 | 16254.7 | 16243.7 | 16497.3 | 16262.1 | 16203.0 | 16131.6 | 15721.6 | 15520.9 |
| 62.5° | 17499.6 | 17537.8 | 17699.1 | 17934.3 | 18165.8 | 18408.3 | 18517.9 | 18556.1 | 18407.1 | 18072.2 | 17653.5 |
| 65°   | 17202.9 | 17371.6 | 17527.9 | 17731.1 | 17968.7 | 18211.3 | 18442.8 | 18578.3 | 18543.8 | 18322.1 | 17861.6 |
| 67.5° | 15854.6 | 16031.9 | 16260.9 | 16473.9 | 16730.0 | 16940.6 | 17194.2 | 17443.0 | 17450.4 | 17339.5 | 17019.4 |
| 70°   | 13886.9 | 14092.5 | 14328.9 | 14448.4 | 14725.4 | 14916.3 | 15126.8 | 15373.1 | 15453.1 | 15466.7 | 15093.6 |
| 72.5° | 11290.0 | 11376.2 | 11492.0 | 11429.2 | 11484.6 | 11606.5 | 11549.8 | 11569.5 | 11265.4 | 11322.0 | 10861.5 |
| 75°   | 6875.7  | 6796.9  | 6447.2  | 6128.3  | 5739.2  | 5440.0  | 5511.4  | 4940.1  | 4377.4  | 4349.0  | 3942.7  |
| 77.5° | 3487.1  | 3361.5  | 3144.8  | 2919.5  | 2589.5  | 2211.5  | 1896.2  | 1556.4  | 1269.5  | 1105.7  | 949.4   |
| 80°   | 2970.0  | 2881.3  | 2761.9  | 2598.1  | 2358.0  | 2078.5  | 1749.7  | 1491.1  | 1251.0  | 1001.1  | 801.6   |
| 82.5° | 2841.9  | 2571.0  | 2397.4  | 2260.7  | 2000.9  | 1742.3  | 1562.6  | 1385.2  | 1215.3  | 1061.4  | 841.0   |
| 85°   | 1409.9  | 1247.3  | 1055.2  | 935.8   | 720.3   | 563.9   | 528.2   | 434.7   | 405.1   | 312.8   | 263.5   |
| 87.5° | 474.1   | 387.9   | 289.4   | 243.8   | 194.5   | 158.8   | 156.4   | 139.1   | 137.9   | 125.6   | 115.7   |
| 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):**

|       | 83°     | 84°     | 85°     | 86°     | 87°     | 88°     | 89°     | 90°     | 95°     | 105°   | 115°   |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8  | 2026.8 | 2026.8 |
| 2.5°  | 2039.1  | 2041.5  | 2041.5  | 2039.1  | 2040.3  | 2037.8  | 2039.1  | 2040.3  | 2036.6  | 2035.4 | 2031.7 |
| 5°    | 2089.6  | 2088.3  | 2088.3  | 2089.6  | 2093.3  | 2094.5  | 2088.3  | 2090.8  | 2092.0  | 2085.9 | 2072.3 |
| 7.5°  | 2173.3  | 2173.3  | 2177.0  | 2175.8  | 2183.1  | 2180.7  | 2179.4  | 2179.4  | 2179.4  | 2167.1 | 2145.0 |
| 10°   | 2286.6  | 2286.6  | 2290.3  | 2295.2  | 2296.4  | 2294.0  | 2294.0  | 2295.2  | 2301.3  | 2276.7 | 2242.2 |
| 12.5° | 2413.4  | 2419.6  | 2418.3  | 2418.3  | 2433.1  | 2429.4  | 2424.5  | 2429.4  | 2435.6  | 2401.1 | 2351.8 |
| 15°   | 2555.0  | 2558.7  | 2561.2  | 2569.8  | 2567.3  | 2575.9  | 2578.4  | 2575.9  | 2582.1  | 2537.8 | 2455.3 |
| 17.5° | 2683.1  | 2690.4  | 2692.9  | 2702.8  | 2702.8  | 2704.0  | 2713.8  | 2710.1  | 2711.4  | 2660.9 | 2542.7 |
| 20°   | 2789.0  | 2796.3  | 2800.0  | 2811.1  | 2813.6  | 2818.5  | 2822.2  | 2824.7  | 2830.8  | 2770.5 | 2614.1 |
| 22.5° | 2894.8  | 2901.0  | 2907.2  | 2914.5  | 2924.4  | 2930.6  | 2935.5  | 2937.9  | 2949.0  | 2878.8 | 2681.8 |
| 25°   | 3013.1  | 3026.6  | 3032.8  | 3045.1  | 3054.9  | 3064.8  | 3072.2  | 3073.4  | 3091.9  | 3004.4 | 2737.2 |
| 27.5° | 3170.7  | 3189.1  | 3199.0  | 3218.7  | 3228.5  | 3238.4  | 3235.9  | 3250.7  | 3276.6  | 3148.5 | 2780.3 |
| 30°   | 3377.5  | 3400.9  | 3407.1  | 3426.8  | 3442.8  | 3452.6  | 3463.7  | 3476.0  | 3493.3  | 3308.6 | 2801.3 |
| 32.5° | 3665.7  | 3701.4  | 3710.0  | 3721.1  | 3744.5  | 3761.7  | 3769.1  | 3788.8  | 3793.7  | 3460.0 | 2795.1 |
| 35°   | 4060.9  | 4044.9  | 4086.8  | 4096.6  | 4129.9  | 4143.4  | 4152.0  | 4177.9  | 4158.2  | 3625.0 | 2754.5 |
| 37.5° | 4418.0  | 4413.1  | 4453.7  | 4475.9  | 4519.0  | 4509.1  | 4530.1  | 4547.3  | 4477.1  | 3742.0 | 2679.4 |
| 40°   | 4853.9  | 4847.7  | 4904.4  | 4911.8  | 4978.3  | 4963.5  | 4972.1  | 4985.6  | 4829.3  | 3823.3 | 2542.7 |
| 42.5° | 5462.2  | 5464.6  | 5525.0  | 5532.4  | 5541.0  | 5568.1  | 5523.7  | 5526.2  | 5203.6  | 3845.4 | 2317.4 |
| 45°   | 6263.8  | 6306.9  | 6269.9  | 6271.1  | 6268.7  | 6217.0  | 6161.6  | 6096.3  | 5592.7  | 3769.1 | 2026.8 |
| 47.5° | 7040.7  | 7011.2  | 6964.4  | 6921.3  | 6885.6  | 6804.3  | 6723.0  | 6612.2  | 5928.8  | 3588.1 | 1702.9 |
| 50°   | 7705.6  | 7639.1  | 7597.3  | 7477.8  | 7392.9  | 7287.0  | 7173.7  | 7046.9  | 6204.7  | 3327.0 | 1400.0 |
| 52.5° | 8323.8  | 8254.8  | 8098.4  | 7974.1  | 7852.2  | 7711.8  | 7580.0  | 7431.1  | 6448.5  | 3029.1 | 1168.5 |
| 55°   | 9350.7  | 9290.4  | 9134.0  | 8906.2  | 8756.0  | 8562.6  | 8389.0  | 8187.1  | 6942.2  | 2787.7 | 1015.8 |
| 57.5° | 11740.7 | 11689.0 | 11360.2 | 11216.2 | 11017.9 | 10532.8 | 10461.4 | 10146.1 | 8265.9  | 2759.4 | 926.0  |
| 60°   | 15105.9 | 14884.3 | 14610.9 | 14216.9 | 13752.7 | 13592.6 | 13235.5 | 12815.6 | 10396.1 | 2837.0 | 853.3  |
| 62.5° | 17172.1 | 16667.2 | 16265.8 | 15811.5 | 15384.2 | 15017.3 | 14626.9 | 14212.0 | 11485.8 | 2734.8 | 763.4  |
| 65°   | 17327.2 | 16733.7 | 16203.0 | 15669.9 | 15189.6 | 14732.8 | 14353.6 | 13938.6 | 11131.2 | 2350.6 | 646.4  |
| 67.5° | 16472.7 | 15847.2 | 15268.4 | 14663.9 | 14178.7 | 13766.2 | 13283.6 | 12884.6 | 10131.4 | 1829.8 | 538.1  |
| 70°   | 14710.7 | 14161.5 | 13662.8 | 13011.4 | 12608.8 | 12106.4 | 11799.8 | 11301.1 | 8831.1  | 1247.3 | 444.5  |
| 72.5° | 10595.6 | 10181.8 | 10019.3 | 9564.9  | 9037.9  | 8742.4  | 8600.8  | 8116.9  | 6526.0  | 774.5  | 363.2  |
| 75°   | 3579.5  | 3681.7  | 3447.7  | 3089.4  | 3264.2  | 2994.6  | 3104.2  | 2873.9  | 2760.6  | 444.5  | 305.4  |
| 77.5° | 794.2   | 746.2   | 689.5   | 640.3   | 636.6   | 598.4   | 634.1   | 599.7   | 641.5   | 283.2  | 269.7  |
| 80°   | 626.7   | 495.0   | 421.1   | 384.2   | 364.5   | 353.4   | 344.8   | 334.9   | 305.4   | 241.3  | 248.7  |
| 82.5° | 677.2   | 511.0   | 374.3   | 299.2   | 256.1   | 240.1   | 236.4   | 226.6   | 224.1   | 234.0  | 251.2  |
| 85°   | 216.7   | 181.0   | 153.9   | 145.3   | 134.2   | 128.1   | 125.6   | 121.9   | 147.8   | 254.9  | 241.3  |
| 87.5° | 113.3   | 99.7    | 88.7    | 85.0    | 73.9    | 69.0    | 67.7    | 69.0    | 103.4   | 254.9  | 174.8  |
| 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):**

|       | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 | 2026.8 |
| 2.5°  | 2028.0 | 2026.8 | 2024.3 | 2023.1 | 2021.8 | 2015.7 | 2020.6 |
| 5°    | 2066.2 | 2053.9 | 2042.8 | 2029.2 | 2021.8 | 2015.7 | 2015.7 |
| 7.5°  | 2124.0 | 2089.6 | 2061.2 | 2030.5 | 2009.5 | 1993.5 | 1991.1 |
| 10°   | 2196.7 | 2130.2 | 2064.9 | 2009.5 | 1970.1 | 1940.6 | 1936.9 |
| 12.5° | 2265.6 | 2164.7 | 2061.2 | 1970.1 | 1908.6 | 1866.7 | 1864.2 |
| 15°   | 2329.7 | 2183.1 | 2032.9 | 1898.7 | 1806.4 | 1750.9 | 1744.8 |
| 17.5° | 2380.2 | 2172.1 | 1968.9 | 1799.0 | 1673.4 | 1608.1 | 1604.4 |
| 20°   | 2391.2 | 2127.7 | 1877.8 | 1675.8 | 1542.9 | 1473.9 | 1457.9 |
| 22.5° | 2381.4 | 2047.7 | 1764.5 | 1540.4 | 1387.7 | 1318.8 | 1310.1 |
| 25°   | 2351.8 | 1950.4 | 1624.1 | 1382.8 | 1241.2 | 1171.0 | 1153.8 |
| 27.5° | 2298.9 | 1835.9 | 1472.7 | 1230.1 | 1089.7 | 1022.0 | 1004.8 |
| 30°   | 2220.1 | 1698.0 | 1311.4 | 1087.3 | 942.0  | 887.8  | 870.5  |
| 32.5° | 2110.5 | 1530.5 | 1152.5 | 940.7  | 820.1  | 777.0  | 769.6  |
| 35°   | 1959.0 | 1338.5 | 986.3  | 820.1  | 731.4  | 705.6  | 701.9  |
| 37.5° | 1765.7 | 1146.4 | 847.2  | 733.9  | 669.8  | 653.8  | 651.4  |
| 40°   | 1513.3 | 949.4  | 748.6  | 672.3  | 625.5  | 612.0  | 609.5  |
| 42.5° | 1253.5 | 801.6  | 676.0  | 623.1  | 584.9  | 572.6  | 568.9  |
| 45°   | 1025.7 | 701.9  | 621.8  | 582.4  | 546.7  | 533.2  | 531.9  |
| 47.5° | 855.8  | 644.0  | 577.5  | 545.5  | 509.8  | 493.8  | 495.0  |
| 50°   | 731.4  | 591.0  | 540.6  | 513.5  | 472.8  | 458.1  | 459.3  |
| 52.5° | 646.4  | 538.1  | 506.1  | 475.3  | 440.8  | 426.0  | 426.0  |
| 55°   | 580.0  | 495.0  | 472.8  | 439.6  | 412.5  | 398.9  | 397.7  |
| 57.5° | 525.8  | 460.5  | 440.8  | 413.7  | 386.6  | 370.6  | 370.6  |
| 60°   | 492.5  | 435.9  | 419.9  | 395.3  | 363.2  | 346.0  | 344.8  |
| 62.5° | 472.8  | 428.5  | 415.0  | 380.5  | 344.8  | 327.5  | 323.8  |
| 65°   | 458.1  | 445.7  | 428.5  | 371.9  | 330.0  | 311.5  | 307.8  |
| 67.5° | 459.3  | 486.4  | 461.7  | 376.8  | 325.1  | 298.0  | 293.1  |
| 70°   | 466.7  | 518.4  | 485.1  | 387.9  | 346.0  | 291.8  | 280.7  |
| 72.5° | 429.7  | 469.1  | 437.1  | 369.4  | 337.4  | 280.7  | 267.2  |
| 75°   | 358.3  | 342.3  | 314.0  | 300.4  | 302.9  | 254.9  | 250.0  |
| 77.5° | 290.6  | 254.9  | 227.8  | 238.9  | 254.9  | 217.9  | 213.0  |
| 80°   | 252.4  | 206.9  | 193.3  | 211.8  | 231.5  | 185.9  | 173.6  |
| 82.5° | 236.4  | 174.8  | 166.2  | 220.4  | 242.6  | 160.1  | 140.4  |
| 85°   | 208.1  | 142.8  | 130.5  | 259.8  | 242.6  | 120.7  | 112.1  |
| 87.5° | 139.1  | 85.0   | 81.3   | 190.9  | 166.2  | 83.7   | 67.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)