

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: P954145

Luminaire Tested: **GALN-SB7C-727-U-SLR**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-727-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 49224 lumens  
Efficiency: N/A  
Efficacy: 140.4 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): 350.5  
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: 24 FT

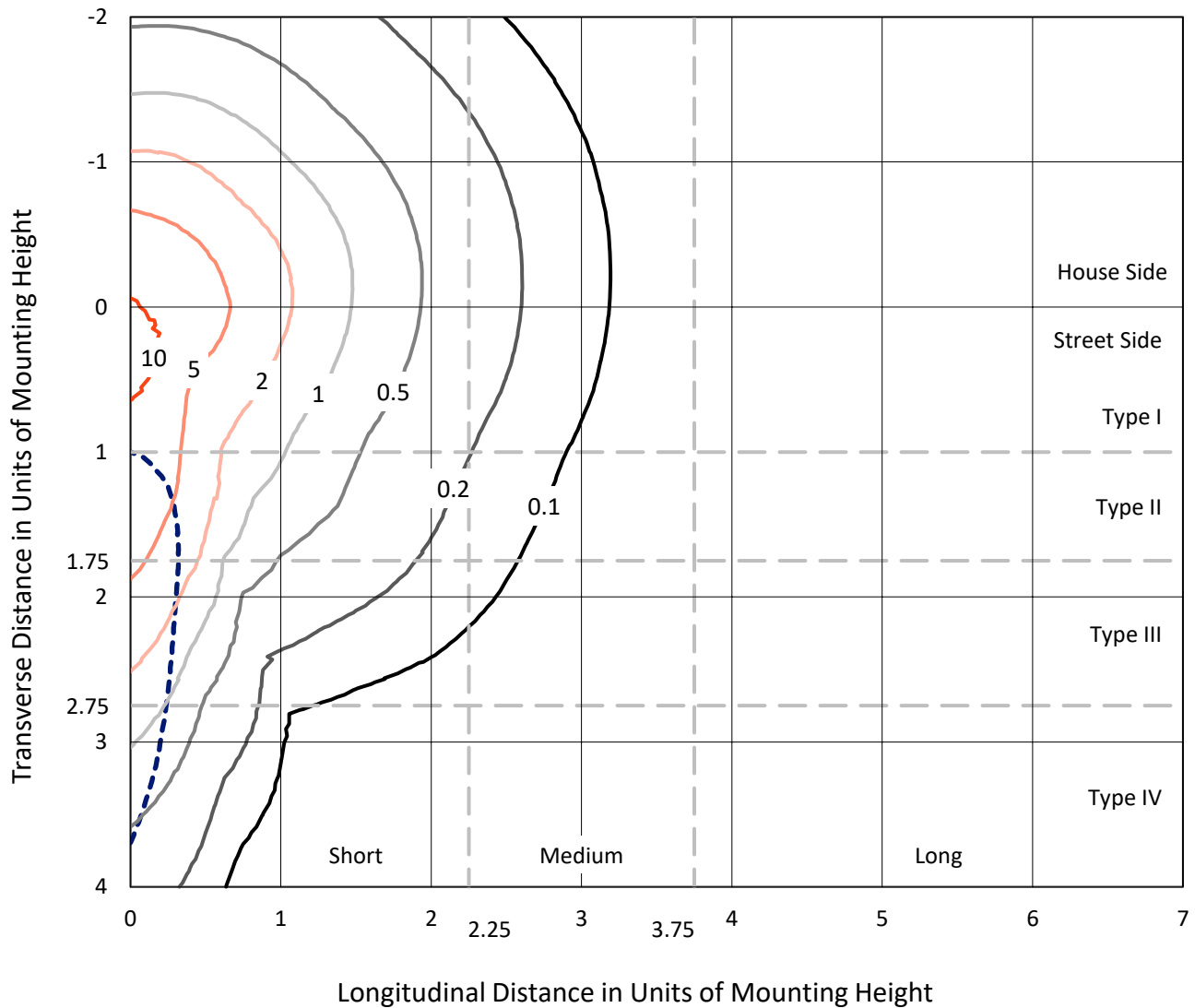


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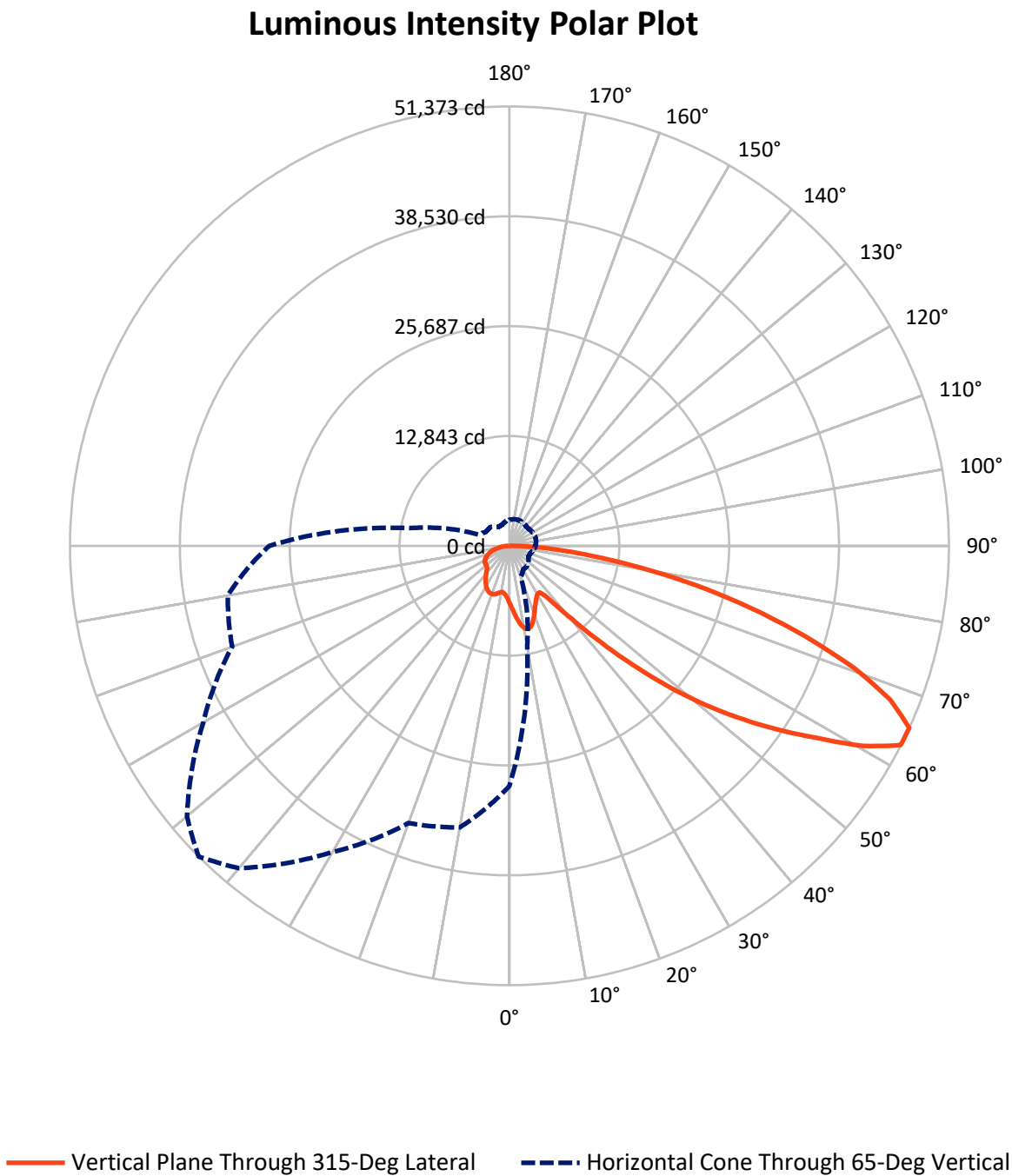
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12510.3  | 0.0    | 12510.3 |
|                    | % Fixture | 25.4     | 0.0    | 25.4    |
| <b>Street Side</b> | Lumens    | 36713.7  | 0.0    | 36713.7 |
|                    | % Fixture | 74.6     | 0.0    | 74.6    |
| <b>Total</b>       | Lumens    | 49224.0  | 0.0    | 49224.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 671.4   | 1.4       |
| 10°-20°   | 2107.8  | 4.3       |
| 20°-30°   | 3255.9  | 6.6       |
| 30°-40°   | 4126.0  | 8.4       |
| 40°-50°   | 6223.0  | 12.6      |
| 50°-60°   | 10054.3 | 20.4      |
| 60°-70°   | 12534.2 | 25.5      |
| 70°-80°   | 8219.3  | 16.7      |
| 80°-90°   | 2032.0  | 4.1       |
| 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°    | 49224.0 | 100.0     |
| 0°-180°   | 49224.0 | 100.0     |

**Coefficient of Utilization**



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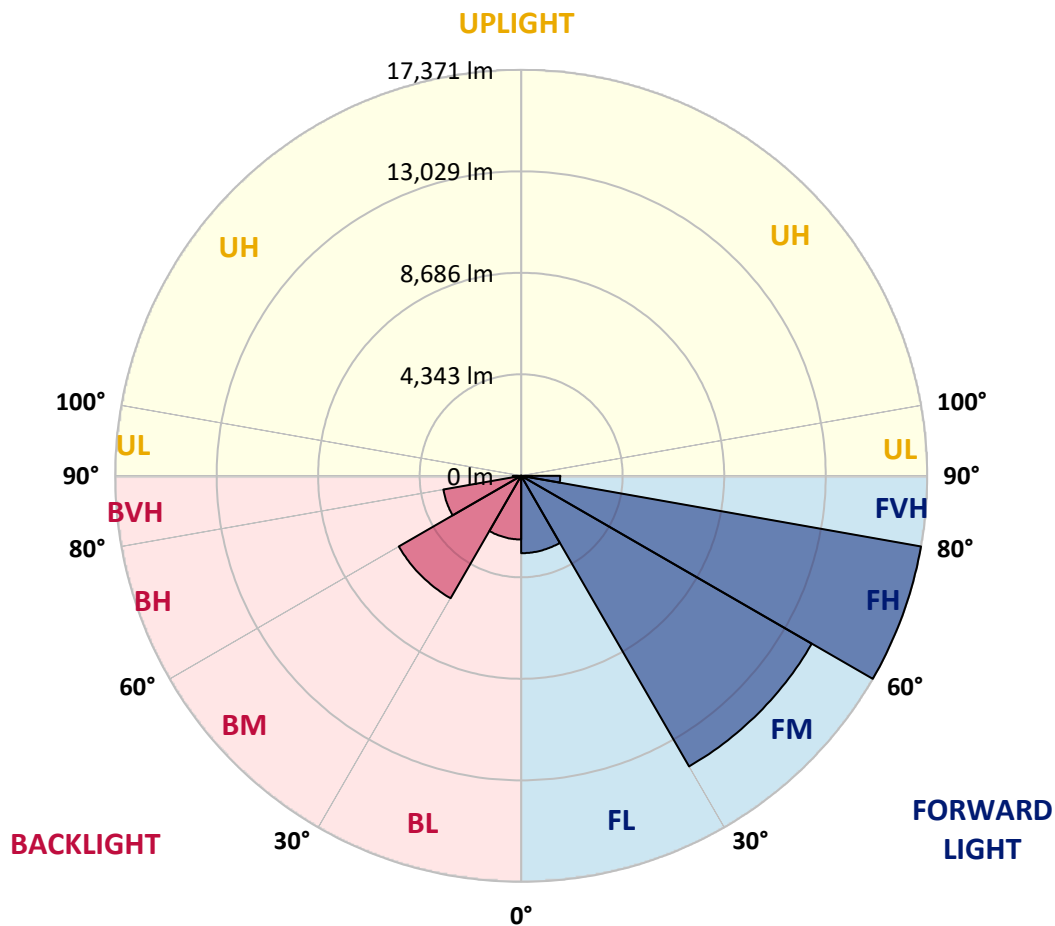
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3310.9  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 14357.6 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 17371.3 | 35.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 1673.9  | 3.4       |                         |      | G5      |
| BL   | (0°-30°)    | 2724.3  | 5.5       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6045.7  | 12.3      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3382.2  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 358.1   | 0.7       |                         |      | 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°      | 5°      | 10°     | 15°     | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 |
| 2.5°  | 7279.1  | 7223.3  | 7167.4  | 7107.9  | 7048.7 | 6989.0 | 6929.2 | 6872.1 | 6815.0 | 6759.6 | 6698.1 |
| 5°    | 7827.1  | 7703.8  | 7580.4  | 7457.3  | 7334.4 | 7210.5 | 7086.9 | 6971.3 | 6855.7 | 6746.6 | 6638.9 |
| 7.5°  | 8377.8  | 8174.2  | 7970.8  | 7782.7  | 7594.7 | 7411.6 | 7228.5 | 7067.2 | 6905.9 | 6757.0 | 6617.6 |
| 10°   | 8799.9  | 8542.5  | 8285.1  | 8036.5  | 7788.2 | 7565.9 | 7343.3 | 7152.6 | 6961.4 | 6777.8 | 6627.9 |
| 12.5° | 9058.3  | 8775.4  | 8492.9  | 8211.3  | 7929.7 | 7667.4 | 7405.1 | 7189.2 | 6973.4 | 6780.4 | 6640.9 |
| 15°   | 9215.4  | 8920.6  | 8625.8  | 8320.4  | 8014.9 | 7712.9 | 7410.8 | 7160.9 | 6911.1 | 6697.3 | 6585.6 |
| 17.5° | 9303.7  | 9004.8  | 8705.8  | 8372.6  | 8039.4 | 7688.7 | 7338.1 | 7037.6 | 6737.0 | 6485.6 | 6416.8 |
| 20°   | 9401.1  | 9090.5  | 8779.6  | 8413.4  | 8047.1 | 7622.2 | 7197.3 | 6824.8 | 6452.4 | 6159.6 | 6141.5 |
| 22.5° | 9514.1  | 9196.7  | 8879.1  | 8468.4  | 8057.5 | 7540.7 | 7023.8 | 6575.2 | 6126.7 | 5793.4 | 5829.0 |
| 25°   | 9659.6  | 9348.4  | 9037.5  | 8568.2  | 8098.6 | 7460.1 | 6822.0 | 6296.5 | 5771.3 | 5429.8 | 5525.9 |
| 27.5° | 9857.0  | 9560.4  | 9263.5  | 8724.0  | 8184.3 | 7406.4 | 6628.5 | 6041.7 | 5455.0 | 5144.1 | 5261.0 |
| 30°   | 10123.2 | 9836.5  | 9550.0  | 8925.8  | 8301.7 | 7381.2 | 6460.2 | 5828.7 | 5197.3 | 4936.3 | 5028.0 |
| 32.5° | 10437.5 | 10153.6 | 9870.0  | 9136.5  | 8403.0 | 7350.0 | 6296.5 | 5645.1 | 4993.4 | 4783.0 | 4823.8 |
| 35°   | 10819.3 | 10547.6 | 10275.7 | 9376.5  | 8477.3 | 7291.3 | 6105.9 | 5464.6 | 4823.3 | 4648.0 | 4631.1 |
| 37.5° | 11462.2 | 11115.7 | 10769.2 | 9645.3  | 8521.4 | 7190.8 | 5860.2 | 5252.1 | 4644.1 | 4490.8 | 4429.0 |
| 40°   | 12433.6 | 11928.6 | 11423.7 | 9986.6  | 8549.2 | 7052.4 | 5555.8 | 4998.6 | 4441.5 | 4302.5 | 4207.7 |
| 42.5° | 13721.9 | 12993.0 | 12264.2 | 10433.1 | 8601.9 | 6909.5 | 5217.6 | 4718.9 | 4220.2 | 4092.1 | 3972.7 |
| 45°   | 15312.7 | 14329.6 | 13346.5 | 11020.6 | 8694.7 | 6776.8 | 4859.1 | 4421.7 | 3984.4 | 3854.5 | 3738.9 |
| 47.5° | 17302.3 | 15918.7 | 14534.8 | 11646.6 | 8758.3 | 6667.2 | 4576.0 | 4186.7 | 3797.3 | 3629.8 | 3530.3 |
| 50°   | 19910.1 | 17824.1 | 15737.9 | 12227.3 | 8716.7 | 6547.7 | 4378.6 | 4030.6 | 3682.5 | 3462.3 | 3346.7 |
| 52.5° | 22903.5 | 19825.7 | 16747.8 | 12604.5 | 8460.9 | 6345.9 | 4231.1 | 3927.7 | 3624.6 | 3371.4 | 3209.8 |
| 55°   | 26090.5 | 21600.2 | 17110.1 | 12521.4 | 7932.3 | 6011.3 | 4090.3 | 3853.2 | 3616.0 | 3380.5 | 3137.1 |
| 57.5° | 28989.2 | 22857.8 | 16726.5 | 11936.4 | 7146.6 | 5539.7 | 3932.4 | 3764.9 | 3597.3 | 3389.6 | 3093.5 |
| 60°   | 30741.1 | 23172.1 | 15602.9 | 10847.9 | 6092.9 | 4927.2 | 3761.5 | 3629.8 | 3498.1 | 3361.0 | 3052.4 |
| 62.5° | 29851.5 | 21848.7 | 13846.0 | 9376.0  | 4905.9 | 4194.2 | 3482.5 | 3395.0 | 3307.7 | 3290.9 | 3004.6 |
| 65°   | 28071.0 | 19976.3 | 11881.6 | 7874.2  | 3867.0 | 3534.7 | 3202.5 | 3161.2 | 3120.0 | 3122.0 | 2903.9 |
| 67.5° | 25685.3 | 17748.0 | 9810.8  | 6403.0  | 2995.3 | 2901.0 | 2806.4 | 2829.6 | 2852.4 | 2846.7 | 2724.1 |
| 70°   | 22819.1 | 15316.6 | 7814.2  | 5041.5  | 2268.8 | 2295.8 | 2322.6 | 2429.6 | 2536.3 | 2536.3 | 2496.1 |
| 72.5° | 19403.6 | 12680.8 | 5958.3  | 3854.2  | 1750.1 | 1831.4 | 1913.0 | 2064.6 | 2216.1 | 2241.5 | 2242.0 |
| 75°   | 15082.9 | 9659.3  | 4235.8  | 2797.4  | 1358.9 | 1432.7 | 1506.5 | 1676.3 | 1846.2 | 1963.6 | 1953.7 |
| 77.5° | 10776.5 | 6760.7  | 2744.9  | 1895.6  | 1046.2 | 1096.3 | 1146.7 | 1311.7 | 1476.6 | 1670.1 | 1664.9 |
| 80°   | 7053.1  | 4355.8  | 1658.4  | 1221.3  | 784.4  | 805.2  | 826.0  | 965.7  | 1105.2 | 1336.3 | 1335.6 |
| 82.5° | 4099.9  | 2521.0  | 942.3   | 751.2   | 560.5  | 564.1  | 568.3  | 671.2  | 774.0  | 971.4  | 982.3  |
| 85°   | 1803.9  | 1134.0  | 464.4   | 401.6   | 339.0  | 337.1  | 335.1  | 410.4  | 485.7  | 632.5  | 646.7  |
| 87.5° | 558.4   | 371.4   | 184.4   | 166.5   | 148.6  | 146.8  | 144.9  | 175.6  | 206.5  | 267.5  | 285.7  |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 |
| 2.5°  | 6648.2 | 6598.6 | 6553.7 | 6509.0 | 6469.8 | 6430.5 | 6391.1 | 6351.8 | 6321.5 | 6290.8 | 6266.1 |
| 5°    | 6544.8 | 6450.5 | 6371.6 | 6292.9 | 6223.3 | 6153.7 | 6090.6 | 6027.2 | 5978.6 | 5929.8 | 5895.8 |
| 7.5°  | 6492.4 | 6367.4 | 6263.5 | 6159.6 | 6072.1 | 5984.3 | 5906.9 | 5829.8 | 5771.9 | 5714.2 | 5673.7 |
| 10°   | 6496.0 | 6364.1 | 6260.2 | 6156.3 | 6062.0 | 5967.4 | 5880.4 | 5793.4 | 5724.3 | 5655.0 | 5609.8 |
| 12.5° | 6532.9 | 6425.4 | 6356.3 | 6287.7 | 6213.4 | 6139.6 | 6049.5 | 5959.6 | 5871.3 | 5783.0 | 5724.6 |
| 15°   | 6533.9 | 6482.5 | 6491.8 | 6501.2 | 6482.0 | 6462.8 | 6384.6 | 6306.4 | 6180.7 | 6055.0 | 5966.1 |
| 17.5° | 6435.7 | 6454.4 | 6567.7 | 6680.9 | 6741.2 | 6801.2 | 6738.1 | 6675.2 | 6508.7 | 6342.2 | 6211.3 |
| 20°   | 6229.8 | 6318.1 | 6514.7 | 6711.6 | 6837.6 | 6963.5 | 6934.4 | 6905.1 | 6714.7 | 6524.6 | 6364.1 |
| 22.5° | 5959.6 | 6090.3 | 6314.7 | 6539.6 | 6703.5 | 6867.4 | 6885.1 | 6902.5 | 6720.7 | 6538.9 | 6373.7 |
| 25°   | 5676.5 | 5827.2 | 6029.0 | 6231.1 | 6392.4 | 6553.7 | 6613.9 | 6673.9 | 6524.8 | 6376.0 | 6229.0 |
| 27.5° | 5406.4 | 5551.9 | 5717.8 | 5883.5 | 6012.9 | 6142.2 | 6209.3 | 6276.5 | 6170.3 | 6064.3 | 5950.3 |
| 30°   | 5143.3 | 5259.1 | 5396.8 | 5534.5 | 5641.7 | 5749.3 | 5803.8 | 5858.3 | 5777.6 | 5696.5 | 5615.0 |
| 32.5° | 4892.1 | 4960.4 | 5070.3 | 5180.4 | 5283.3 | 5386.4 | 5446.9 | 5507.7 | 5433.4 | 5358.9 | 5293.7 |
| 35°   | 4649.8 | 4668.8 | 4752.7 | 4836.3 | 4938.1 | 5040.2 | 5112.9 | 5185.6 | 5132.6 | 5079.9 | 5019.7 |
| 37.5° | 4408.2 | 4387.5 | 4447.7 | 4507.7 | 4609.3 | 4711.1 | 4801.0 | 4890.8 | 4866.4 | 4842.0 | 4786.7 |
| 40°   | 4160.7 | 4113.7 | 4157.1 | 4200.5 | 4298.6 | 4396.8 | 4500.2 | 4603.8 | 4609.8 | 4615.5 | 4568.5 |
| 42.5° | 3910.3 | 3848.0 | 3883.3 | 3918.9 | 4011.9 | 4105.1 | 4216.8 | 4328.5 | 4358.4 | 4388.2 | 4348.5 |
| 45°   | 3678.1 | 3617.6 | 3647.2 | 3677.3 | 3765.7 | 3854.0 | 3969.8 | 4085.6 | 4128.5 | 4171.4 | 4135.5 |
| 47.5° | 3479.4 | 3428.5 | 3456.6 | 3484.4 | 3570.9 | 3657.1 | 3771.4 | 3885.7 | 3935.0 | 3984.4 | 3959.4 |
| 50°   | 3301.5 | 3256.6 | 3300.2 | 3344.1 | 3425.7 | 3507.0 | 3609.3 | 3711.6 | 3775.0 | 3838.4 | 3836.8 |
| 52.5° | 3165.1 | 3120.7 | 3186.4 | 3251.9 | 3326.7 | 3401.2 | 3496.6 | 3592.2 | 3667.2 | 3742.3 | 3755.8 |
| 55°   | 3066.4 | 2996.1 | 3089.3 | 3182.3 | 3262.8 | 3343.3 | 3427.0 | 3510.3 | 3589.8 | 3669.6 | 3688.3 |
| 57.5° | 2990.6 | 2887.7 | 2988.0 | 3088.3 | 3182.8 | 3277.4 | 3359.9 | 3442.8 | 3523.1 | 3603.1 | 3622.0 |
| 60°   | 2919.2 | 2785.7 | 2873.7 | 2961.5 | 3070.1 | 3178.7 | 3262.5 | 3346.7 | 3427.2 | 3507.7 | 3528.5 |
| 62.5° | 2837.9 | 2671.4 | 2727.2 | 2783.1 | 2909.6 | 3036.3 | 3125.9 | 3215.5 | 3289.3 | 3363.1 | 3383.1 |
| 65°   | 2726.7 | 2549.3 | 2570.9 | 2592.2 | 2727.7 | 2863.6 | 2949.3 | 3035.0 | 3100.0 | 3164.9 | 3185.4 |
| 67.5° | 2576.6 | 2429.1 | 2422.3 | 2415.5 | 2540.7 | 2666.2 | 2747.5 | 2828.5 | 2884.6 | 2940.7 | 2960.7 |
| 70°   | 2391.1 | 2286.2 | 2262.8 | 2239.4 | 2349.6 | 2459.7 | 2529.8 | 2600.0 | 2650.6 | 2701.3 | 2720.5 |
| 72.5° | 2170.1 | 2098.1 | 2063.9 | 2029.8 | 2116.6 | 2203.1 | 2266.5 | 2329.8 | 2379.4 | 2429.1 | 2451.9 |
| 75°   | 1898.4 | 1842.8 | 1810.1 | 1777.1 | 1841.5 | 1905.9 | 1963.3 | 2020.7 | 2065.9 | 2111.1 | 2135.0 |
| 77.5° | 1620.5 | 1576.1 | 1542.8 | 1509.6 | 1562.1 | 1614.3 | 1663.6 | 1713.0 | 1760.5 | 1807.8 | 1830.1 |
| 80°   | 1298.4 | 1261.0 | 1233.2 | 1205.2 | 1248.8 | 1292.2 | 1333.7 | 1375.3 | 1411.4 | 1447.2 | 1476.9 |
| 82.5° | 964.1  | 946.0  | 926.2  | 906.5  | 902.8  | 899.2  | 884.7  | 870.1  | 947.0  | 1023.9 | 1074.3 |
| 85°   | 627.3  | 607.8  | 585.7  | 563.6  | 544.9  | 526.0  | 485.7  | 445.4  | 517.4  | 589.6  | 651.9  |
| 87.5° | 277.9  | 270.1  | 266.0  | 261.8  | 261.0  | 260.3  | 229.6  | 198.7  | 228.8  | 259.2  | 284.4  |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 |
| 2.5°  | 6241.5 | 6222.2 | 6203.0 | 6185.4 | 6167.4 | 6145.4 | 6167.4 | 6185.4 | 6203.0 | 6222.2 | 6241.5 |
| 5°    | 5861.7 | 5837.6 | 5813.4 | 5795.0 | 5776.5 | 5758.4 | 5776.5 | 5795.0 | 5813.4 | 5837.6 | 5861.7 |
| 7.5°  | 5633.2 | 5605.4 | 5577.8 | 5561.2 | 5544.8 | 5532.4 | 5544.8 | 5561.2 | 5577.8 | 5605.4 | 5633.2 |
| 10°   | 5564.1 | 5537.8 | 5511.6 | 5497.6 | 5483.5 | 5477.8 | 5483.5 | 5497.6 | 5511.6 | 5537.8 | 5564.1 |
| 12.5° | 5666.1 | 5636.8 | 5607.7 | 5595.8 | 5583.8 | 5581.7 | 5583.8 | 5595.8 | 5607.7 | 5636.8 | 5666.1 |
| 15°   | 5877.3 | 5836.5 | 5796.0 | 5780.4 | 5764.8 | 5763.5 | 5764.8 | 5780.4 | 5796.0 | 5836.5 | 5877.3 |
| 17.5° | 6080.4 | 6020.2 | 5959.6 | 5939.9 | 5919.9 | 5916.8 | 5919.9 | 5939.9 | 5959.6 | 6020.2 | 6080.4 |
| 20°   | 6203.8 | 6126.7 | 6049.3 | 6024.6 | 5999.9 | 5992.1 | 5999.9 | 6024.6 | 6049.3 | 6126.7 | 6203.8 |
| 22.5° | 6208.2 | 6126.9 | 6045.4 | 6018.1 | 5990.8 | 5979.1 | 5990.8 | 6018.1 | 6045.4 | 6126.9 | 6208.2 |
| 25°   | 6082.5 | 6011.9 | 5941.5 | 5915.8 | 5890.3 | 5875.2 | 5890.3 | 5915.8 | 5941.5 | 6011.9 | 6082.5 |
| 27.5° | 5836.3 | 5789.0 | 5741.5 | 5729.8 | 5718.1 | 5714.2 | 5718.1 | 5729.8 | 5741.5 | 5789.0 | 5836.3 |
| 30°   | 5532.9 | 5508.7 | 5484.3 | 5484.3 | 5484.3 | 5488.2 | 5484.3 | 5484.3 | 5484.3 | 5508.7 | 5532.9 |
| 32.5° | 5228.5 | 5212.6 | 5196.8 | 5198.9 | 5201.2 | 5205.1 | 5201.2 | 5198.9 | 5196.8 | 5212.6 | 5228.5 |
| 35°   | 4959.7 | 4935.5 | 4911.6 | 4906.4 | 4901.2 | 4898.6 | 4901.2 | 4906.4 | 4911.6 | 4935.5 | 4959.7 |
| 37.5° | 4731.1 | 4687.2 | 4643.6 | 4620.4 | 4597.3 | 4584.3 | 4597.3 | 4620.4 | 4643.6 | 4687.2 | 4731.1 |
| 40°   | 4521.5 | 4457.6 | 4394.2 | 4351.1 | 4308.5 | 4283.0 | 4308.5 | 4351.1 | 4394.2 | 4457.6 | 4521.5 |
| 42.5° | 4309.0 | 4229.8 | 4150.6 | 4088.0 | 4025.4 | 3984.4 | 4025.4 | 4088.0 | 4150.6 | 4229.8 | 4309.0 |
| 45°   | 4099.9 | 4009.3 | 3918.9 | 3845.4 | 3771.9 | 3724.6 | 3771.9 | 3845.4 | 3918.9 | 4009.3 | 4099.9 |
| 47.5° | 3934.5 | 3854.0 | 3773.4 | 3705.4 | 3637.6 | 3592.2 | 3637.6 | 3705.4 | 3773.4 | 3854.0 | 3934.5 |
| 50°   | 3835.8 | 3771.4 | 3707.0 | 3644.1 | 3581.2 | 3537.6 | 3581.2 | 3644.1 | 3707.0 | 3771.4 | 3835.8 |
| 52.5° | 3769.3 | 3716.8 | 3664.4 | 3608.0 | 3551.9 | 3511.6 | 3551.9 | 3608.0 | 3664.4 | 3716.8 | 3769.3 |
| 55°   | 3707.0 | 3661.2 | 3615.5 | 3566.2 | 3516.8 | 3480.5 | 3516.8 | 3566.2 | 3615.5 | 3661.2 | 3707.0 |
| 57.5° | 3641.0 | 3594.7 | 3548.5 | 3499.7 | 3450.6 | 3412.9 | 3450.6 | 3499.7 | 3548.5 | 3594.7 | 3641.0 |
| 60°   | 3549.3 | 3504.1 | 3459.2 | 3408.8 | 3358.4 | 3319.4 | 3358.4 | 3408.8 | 3459.2 | 3504.1 | 3549.3 |
| 62.5° | 3403.1 | 3362.3 | 3321.5 | 3268.5 | 3215.5 | 3168.8 | 3215.5 | 3268.5 | 3321.5 | 3362.3 | 3403.1 |
| 65°   | 3205.7 | 3166.4 | 3127.2 | 3075.8 | 3024.6 | 2984.4 | 3024.6 | 3075.8 | 3127.2 | 3166.4 | 3205.7 |
| 67.5° | 2980.5 | 2944.4 | 2908.5 | 2860.7 | 2812.9 | 2776.6 | 2812.9 | 2860.7 | 2908.5 | 2944.4 | 2980.5 |
| 70°   | 2739.7 | 2710.3 | 2681.0 | 2635.3 | 2589.6 | 2548.0 | 2589.6 | 2635.3 | 2681.0 | 2710.3 | 2739.7 |
| 72.5° | 2474.8 | 2450.4 | 2425.9 | 2382.3 | 2338.9 | 2298.7 | 2338.9 | 2382.3 | 2425.9 | 2450.4 | 2474.8 |
| 75°   | 2158.9 | 2147.0 | 2135.0 | 2098.4 | 2061.8 | 2023.3 | 2061.8 | 2098.4 | 2135.0 | 2147.0 | 2158.9 |
| 77.5° | 1852.4 | 1835.8 | 1818.7 | 1781.8 | 1744.9 | 1714.3 | 1744.9 | 1781.8 | 1818.7 | 1835.8 | 1852.4 |
| 80°   | 1506.5 | 1499.2 | 1492.2 | 1442.6 | 1392.7 | 1335.0 | 1392.7 | 1442.6 | 1492.2 | 1499.2 | 1506.5 |
| 82.5° | 1124.7 | 1121.5 | 1118.2 | 1076.3 | 1034.3 | 997.4  | 1034.3 | 1076.3 | 1118.2 | 1121.5 | 1124.7 |
| 85°   | 714.3  | 709.1  | 703.9  | 671.2  | 638.4  | 605.2  | 638.4  | 671.2  | 703.9  | 709.1  | 714.3  |
| 87.5° | 309.6  | 303.4  | 296.6  | 280.0  | 262.9  | 246.7  | 262.9  | 280.0  | 296.6  | 303.4  | 309.6  |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 |
| 2.5°  | 6266.1 | 6290.8 | 6321.5 | 6351.8 | 6391.1 | 6430.5 | 6469.8 | 6509.0 | 6553.7 | 6598.6 | 6648.2 |
| 5°    | 5895.8 | 5929.8 | 5978.6 | 6027.2 | 6090.6 | 6153.7 | 6223.3 | 6292.9 | 6371.6 | 6450.5 | 6544.8 |
| 7.5°  | 5673.7 | 5714.2 | 5771.9 | 5829.8 | 5906.9 | 5984.3 | 6072.1 | 6159.6 | 6263.5 | 6367.4 | 6492.4 |
| 10°   | 5609.8 | 5655.0 | 5724.3 | 5793.4 | 5880.4 | 5967.4 | 6062.0 | 6156.3 | 6260.2 | 6364.1 | 6496.0 |
| 12.5° | 5724.6 | 5783.0 | 5871.3 | 5959.6 | 6049.5 | 6139.6 | 6213.4 | 6287.7 | 6356.3 | 6425.4 | 6532.9 |
| 15°   | 5966.1 | 6055.0 | 6180.7 | 6306.4 | 6384.6 | 6462.8 | 6482.0 | 6501.2 | 6491.8 | 6482.5 | 6533.9 |
| 17.5° | 6211.3 | 6342.2 | 6508.7 | 6675.2 | 6738.1 | 6801.2 | 6741.2 | 6680.9 | 6567.7 | 6454.4 | 6435.7 |
| 20°   | 6364.1 | 6524.6 | 6714.7 | 6905.1 | 6934.4 | 6963.5 | 6837.6 | 6711.6 | 6514.7 | 6318.1 | 6229.8 |
| 22.5° | 6373.7 | 6538.9 | 6720.7 | 6902.5 | 6885.1 | 6867.4 | 6703.5 | 6539.6 | 6314.7 | 6090.3 | 5959.6 |
| 25°   | 6229.0 | 6376.0 | 6524.8 | 6673.9 | 6613.9 | 6553.7 | 6392.4 | 6231.1 | 6029.0 | 5827.2 | 5676.5 |
| 27.5° | 5950.3 | 6064.3 | 6170.3 | 6276.5 | 6209.3 | 6142.2 | 6012.9 | 5883.5 | 5717.8 | 5551.9 | 5406.4 |
| 30°   | 5615.0 | 5696.5 | 5777.6 | 5858.3 | 5803.8 | 5749.3 | 5641.7 | 5534.5 | 5396.8 | 5259.1 | 5143.3 |
| 32.5° | 5293.7 | 5358.9 | 5433.4 | 5507.7 | 5446.9 | 5386.4 | 5283.3 | 5180.4 | 5070.3 | 4960.4 | 4892.1 |
| 35°   | 5019.7 | 5079.9 | 5132.6 | 5185.6 | 5112.9 | 5040.2 | 4938.1 | 4836.3 | 4752.7 | 4668.8 | 4649.8 |
| 37.5° | 4786.7 | 4842.0 | 4866.4 | 4890.8 | 4801.0 | 4711.1 | 4609.3 | 4507.7 | 4447.7 | 4387.5 | 4408.2 |
| 40°   | 4568.5 | 4615.5 | 4609.8 | 4603.8 | 4500.2 | 4396.8 | 4298.6 | 4200.5 | 4157.1 | 4113.7 | 4160.7 |
| 42.5° | 4348.5 | 4388.2 | 4358.4 | 4328.5 | 4216.8 | 4105.1 | 4011.9 | 3918.9 | 3883.3 | 3848.0 | 3910.3 |
| 45°   | 4135.5 | 4171.4 | 4128.5 | 4085.6 | 3969.8 | 3854.0 | 3765.7 | 3677.3 | 3647.2 | 3617.6 | 3678.1 |
| 47.5° | 3959.4 | 3984.4 | 3935.0 | 3885.7 | 3771.4 | 3657.1 | 3570.9 | 3484.4 | 3456.6 | 3428.5 | 3479.4 |
| 50°   | 3836.8 | 3838.4 | 3775.0 | 3711.6 | 3609.3 | 3507.0 | 3425.7 | 3344.1 | 3300.2 | 3256.6 | 3301.5 |
| 52.5° | 3755.8 | 3742.3 | 3667.2 | 3592.2 | 3496.6 | 3401.2 | 3326.7 | 3251.9 | 3186.4 | 3120.7 | 3165.1 |
| 55°   | 3688.3 | 3669.6 | 3589.8 | 3510.3 | 3427.0 | 3343.3 | 3262.8 | 3182.3 | 3089.3 | 2996.1 | 3066.4 |
| 57.5° | 3622.0 | 3603.1 | 3523.1 | 3442.8 | 3359.9 | 3277.4 | 3182.8 | 3088.3 | 2988.0 | 2887.7 | 2990.6 |
| 60°   | 3528.5 | 3507.7 | 3427.2 | 3346.7 | 3262.5 | 3178.7 | 3070.1 | 2961.5 | 2873.7 | 2785.7 | 2919.2 |
| 62.5° | 3383.1 | 3363.1 | 3289.3 | 3215.5 | 3125.9 | 3036.3 | 2909.6 | 2783.1 | 2727.2 | 2671.4 | 2837.9 |
| 65°   | 3185.4 | 3164.9 | 3100.0 | 3035.0 | 2949.3 | 2863.6 | 2727.7 | 2592.2 | 2570.9 | 2549.3 | 2726.7 |
| 67.5° | 2960.7 | 2940.7 | 2884.6 | 2828.5 | 2747.5 | 2666.2 | 2540.7 | 2415.5 | 2422.3 | 2429.1 | 2576.6 |
| 70°   | 2720.5 | 2701.3 | 2650.6 | 2600.0 | 2529.8 | 2459.7 | 2349.6 | 2239.4 | 2262.8 | 2286.2 | 2391.1 |
| 72.5° | 2451.9 | 2429.1 | 2379.4 | 2329.8 | 2266.5 | 2203.1 | 2116.6 | 2029.8 | 2063.9 | 2098.1 | 2170.1 |
| 75°   | 2135.0 | 2111.1 | 2065.9 | 2020.7 | 1963.3 | 1905.9 | 1841.5 | 1777.1 | 1810.1 | 1842.8 | 1898.4 |
| 77.5° | 1830.1 | 1807.8 | 1760.5 | 1713.0 | 1663.6 | 1614.3 | 1562.1 | 1509.6 | 1542.8 | 1576.1 | 1620.5 |
| 80°   | 1476.9 | 1447.2 | 1411.4 | 1375.3 | 1333.7 | 1292.2 | 1248.8 | 1205.2 | 1233.2 | 1261.0 | 1298.4 |
| 82.5° | 1074.3 | 1023.9 | 947.0  | 870.1  | 884.7  | 899.2  | 902.8  | 906.5  | 926.2  | 946.0  | 964.1  |
| 85°   | 651.9  | 589.6  | 517.4  | 445.4  | 485.7  | 526.0  | 544.9  | 563.6  | 585.7  | 607.8  | 627.3  |
| 87.5° | 284.4  | 259.2  | 228.8  | 198.7  | 229.6  | 260.3  | 261.0  | 261.8  | 266.0  | 270.1  | 277.9  |
| 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):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°    | 260°    | 265°    | 270°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7 | 6768.7  | 6768.7  | 6768.7  | 6768.7  |
| 2.5°  | 6698.1 | 6759.6 | 6815.0 | 6872.1 | 6929.2 | 6989.0 | 7048.7 | 7107.9  | 7167.4  | 7223.3  | 7279.1  |
| 5°    | 6638.9 | 6746.6 | 6855.7 | 6971.3 | 7086.9 | 7210.5 | 7334.4 | 7457.3  | 7580.4  | 7703.8  | 7827.1  |
| 7.5°  | 6617.6 | 6757.0 | 6905.9 | 7067.2 | 7228.5 | 7411.6 | 7594.7 | 7782.7  | 7970.8  | 8174.2  | 8377.8  |
| 10°   | 6627.9 | 6777.8 | 6961.4 | 7152.6 | 7343.3 | 7565.9 | 7788.2 | 8036.5  | 8285.1  | 8542.5  | 8799.9  |
| 12.5° | 6640.9 | 6780.4 | 6973.4 | 7189.2 | 7405.1 | 7667.4 | 7929.7 | 8211.3  | 8492.9  | 8775.4  | 9058.3  |
| 15°   | 6585.6 | 6697.3 | 6911.1 | 7160.9 | 7410.8 | 7712.9 | 8014.9 | 8320.4  | 8625.8  | 8920.6  | 9215.4  |
| 17.5° | 6416.8 | 6485.6 | 6737.0 | 7037.6 | 7338.1 | 7688.7 | 8039.4 | 8372.6  | 8705.8  | 9004.8  | 9303.7  |
| 20°   | 6141.5 | 6159.6 | 6452.4 | 6824.8 | 7197.3 | 7622.2 | 8047.1 | 8413.4  | 8779.6  | 9090.5  | 9401.1  |
| 22.5° | 5829.0 | 5793.4 | 6126.7 | 6575.2 | 7023.8 | 7540.7 | 8057.5 | 8468.4  | 8879.1  | 9196.7  | 9514.1  |
| 25°   | 5525.9 | 5429.8 | 5771.3 | 6296.5 | 6822.0 | 7460.1 | 8098.6 | 8568.2  | 9037.5  | 9348.4  | 9659.6  |
| 27.5° | 5261.0 | 5144.1 | 5455.0 | 6041.7 | 6628.5 | 7406.4 | 8184.3 | 8724.0  | 9263.5  | 9560.4  | 9857.0  |
| 30°   | 5028.0 | 4936.3 | 5197.3 | 5828.7 | 6460.2 | 7381.2 | 8301.7 | 8925.8  | 9550.0  | 9836.5  | 10123.2 |
| 32.5° | 4823.8 | 4783.0 | 4993.4 | 5645.1 | 6296.5 | 7350.0 | 8403.0 | 9136.5  | 9870.0  | 10153.6 | 10437.5 |
| 35°   | 4631.1 | 4648.0 | 4823.3 | 5464.6 | 6105.9 | 7291.3 | 8477.3 | 9376.5  | 10275.7 | 10547.6 | 10819.3 |
| 37.5° | 4429.0 | 4490.8 | 4644.1 | 5252.1 | 5860.2 | 7190.8 | 8521.4 | 9645.3  | 10769.2 | 11115.7 | 11462.2 |
| 40°   | 4207.7 | 4302.5 | 4441.5 | 4998.6 | 5555.8 | 7052.4 | 8549.2 | 9986.6  | 11423.7 | 11928.6 | 12433.6 |
| 42.5° | 3972.7 | 4092.1 | 4220.2 | 4718.9 | 5217.6 | 6909.5 | 8601.9 | 10433.1 | 12264.2 | 12993.0 | 13721.9 |
| 45°   | 3738.9 | 3854.5 | 3984.4 | 4421.7 | 4859.1 | 6776.8 | 8694.7 | 11020.6 | 13346.5 | 14329.6 | 15312.7 |
| 47.5° | 3530.3 | 3629.8 | 3797.3 | 4186.7 | 4576.0 | 6667.2 | 8758.3 | 11646.6 | 14534.8 | 15918.7 | 17302.3 |
| 50°   | 3346.7 | 3462.3 | 3682.5 | 4030.6 | 4378.6 | 6547.7 | 8716.7 | 12227.3 | 15737.9 | 17824.1 | 19910.1 |
| 52.5° | 3209.8 | 3371.4 | 3624.6 | 3927.7 | 4231.1 | 6345.9 | 8460.9 | 12604.5 | 16747.8 | 19825.7 | 22903.5 |
| 55°   | 3137.1 | 3380.5 | 3616.0 | 3853.2 | 4090.3 | 6011.3 | 7932.3 | 12521.4 | 17110.1 | 21600.2 | 26090.5 |
| 57.5° | 3093.5 | 3389.6 | 3597.3 | 3764.9 | 3932.4 | 5539.7 | 7146.6 | 11936.4 | 16726.5 | 22857.8 | 28989.2 |
| 60°   | 3052.4 | 3361.0 | 3498.1 | 3629.8 | 3761.5 | 4927.2 | 6092.9 | 10847.9 | 15602.9 | 23172.1 | 30741.1 |
| 62.5° | 3004.6 | 3290.9 | 3307.7 | 3395.0 | 3482.5 | 4194.2 | 4905.9 | 9376.0  | 13846.0 | 21848.7 | 29851.5 |
| 65°   | 2903.9 | 3122.0 | 3120.0 | 3161.2 | 3202.5 | 3534.7 | 3867.0 | 7874.2  | 11881.6 | 19976.3 | 28071.0 |
| 67.5° | 2724.1 | 2846.7 | 2852.4 | 2829.6 | 2806.4 | 2901.0 | 2995.3 | 6403.0  | 9810.8  | 17748.0 | 25685.3 |
| 70°   | 2496.1 | 2536.3 | 2536.3 | 2429.6 | 2322.6 | 2295.8 | 2268.8 | 5041.5  | 7814.2  | 15316.6 | 22819.1 |
| 72.5° | 2242.0 | 2241.5 | 2216.1 | 2064.6 | 1913.0 | 1831.4 | 1750.1 | 3854.2  | 5958.3  | 12680.8 | 19403.6 |
| 75°   | 1953.7 | 1963.6 | 1846.2 | 1676.3 | 1506.5 | 1432.7 | 1358.9 | 2797.4  | 4235.8  | 9659.3  | 15082.9 |
| 77.5° | 1664.9 | 1670.1 | 1476.6 | 1311.7 | 1146.7 | 1096.3 | 1046.2 | 1895.6  | 2744.9  | 6760.7  | 10776.5 |
| 80°   | 1335.6 | 1336.3 | 1105.2 | 965.7  | 826.0  | 805.2  | 784.4  | 1221.3  | 1658.4  | 4355.8  | 7053.1  |
| 82.5° | 982.3  | 971.4  | 774.0  | 671.2  | 568.3  | 564.1  | 560.5  | 751.2   | 942.3   | 2521.0  | 4099.9  |
| 85°   | 646.7  | 632.5  | 485.7  | 410.4  | 335.1  | 337.1  | 339.0  | 401.6   | 464.4   | 1134.0  | 1803.9  |
| 87.5° | 285.7  | 267.5  | 206.5  | 175.6  | 144.9  | 146.8  | 148.6  | 166.5   | 184.4   | 371.4   | 558.4   |
| 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):**

|       | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  |
| 2.5°  | 7306.6  | 7334.4  | 7373.6  | 7412.9  | 7436.2  | 7459.6  | 7471.3  | 7483.0  | 7477.8  | 7483.0  | 7471.3  |
| 5°    | 7923.5  | 8020.1  | 8115.7  | 8211.6  | 8263.5  | 8315.5  | 8346.9  | 8378.6  | 8402.5  | 8378.6  | 8346.9  |
| 7.5°  | 8534.7  | 8691.3  | 8832.3  | 8973.4  | 9058.3  | 9143.2  | 9189.2  | 9234.9  | 9257.0  | 9234.9  | 9189.2  |
| 10°   | 8985.3  | 9170.8  | 9336.2  | 9501.7  | 9601.9  | 9701.7  | 9746.3  | 9790.8  | 9807.6  | 9790.8  | 9746.3  |
| 12.5° | 9259.3  | 9460.1  | 9609.7  | 9758.8  | 9831.5  | 9904.3  | 9928.7  | 9953.1  | 9955.7  | 9953.1  | 9928.7  |
| 15°   | 9388.9  | 9562.2  | 9656.0  | 9750.0  | 9752.6  | 9755.2  | 9729.2  | 9703.2  | 9672.6  | 9703.2  | 9729.2  |
| 17.5° | 9420.9  | 9538.0  | 9539.8  | 9541.4  | 9436.2  | 9331.0  | 9234.7  | 9138.0  | 9070.0  | 9138.0  | 9234.7  |
| 20°   | 9441.9  | 9483.0  | 9359.6  | 9236.2  | 9004.0  | 8771.8  | 8602.7  | 8433.6  | 8329.7  | 8433.6  | 8602.7  |
| 22.5° | 9460.6  | 9407.1  | 9151.5  | 8896.0  | 8554.4  | 8212.9  | 8001.4  | 7790.0  | 7675.2  | 7790.0  | 8001.4  |
| 25°   | 9490.8  | 9321.9  | 8933.9  | 8545.8  | 8131.0  | 7716.2  | 7493.9  | 7272.1  | 7163.5  | 7272.1  | 7493.9  |
| 27.5° | 9555.2  | 9253.1  | 8739.1  | 8225.3  | 7765.6  | 7305.9  | 7087.2  | 6868.7  | 6766.1  | 6868.7  | 7087.2  |
| 30°   | 9673.1  | 9223.2  | 8590.5  | 7957.8  | 7478.8  | 6999.9  | 6797.0  | 6594.2  | 6498.6  | 6594.2  | 6797.0  |
| 32.5° | 9821.1  | 9205.0  | 8489.2  | 7773.4  | 7323.3  | 6873.1  | 6713.9  | 6554.4  | 6485.6  | 6554.4  | 6713.9  |
| 35°   | 10065.0 | 9311.0  | 8565.1  | 7819.4  | 7506.6  | 7194.2  | 7157.0  | 7119.9  | 7114.2  | 7119.9  | 7157.0  |
| 37.5° | 10574.9 | 9687.6  | 9009.7  | 8331.8  | 8311.6  | 8291.3  | 8461.2  | 8631.0  | 8719.3  | 8631.0  | 8461.2  |
| 40°   | 11468.6 | 10503.7 | 9999.6  | 9495.4  | 9851.3  | 10207.1 | 10620.1 | 11033.1 | 11238.8 | 11033.1 | 10620.1 |
| 42.5° | 12764.5 | 11807.1 | 11516.7 | 11226.3 | 12002.4 | 12778.5 | 13529.7 | 14280.8 | 14721.8 | 14280.8 | 13529.7 |
| 45°   | 14452.8 | 13592.5 | 13464.5 | 13336.2 | 14579.5 | 15823.1 | 17057.4 | 18291.9 | 19041.3 | 18291.9 | 17057.4 |
| 47.5° | 16465.7 | 15628.8 | 15602.9 | 15576.9 | 17370.6 | 19163.9 | 20970.8 | 22777.6 | 23838.6 | 22777.6 | 20970.8 |
| 50°   | 18876.6 | 17843.4 | 17847.8 | 17852.2 | 20163.8 | 22475.5 | 24860.6 | 27245.8 | 28687.9 | 27245.8 | 24860.6 |
| 52.5° | 21652.1 | 20401.0 | 20274.5 | 20147.7 | 22909.0 | 25670.2 | 28621.4 | 31572.2 | 33300.8 | 31572.2 | 28621.4 |
| 55°   | 24854.2 | 23617.8 | 23124.6 | 22631.3 | 25704.5 | 28777.5 | 32295.6 | 35813.7 | 37869.5 | 35813.7 | 32295.6 |
| 57.5° | 28315.9 | 27642.4 | 26653.1 | 25664.0 | 28767.1 | 31870.1 | 35855.0 | 39839.6 | 42388.9 | 39839.6 | 35855.0 |
| 60°   | 31786.8 | 32832.7 | 31604.2 | 30375.6 | 33312.2 | 36248.8 | 40515.2 | 44781.6 | 47536.9 | 44781.6 | 40515.2 |
| 62.5° | 32708.8 | 35566.2 | 35427.8 | 35289.1 | 37979.1 | 40669.5 | 44728.6 | 48787.5 | 51334.3 | 48787.5 | 44728.6 |
| 65°   | 30752.8 | 33434.5 | 33965.2 | 34495.6 | 37914.2 | 41333.1 | 45269.2 | 49204.9 | 51373.2 | 49204.9 | 45269.2 |
| 67.5° | 28235.9 | 30786.5 | 31035.4 | 31283.9 | 34845.9 | 38407.7 | 42360.6 | 46313.6 | 48012.2 | 46313.6 | 42360.6 |
| 70°   | 25593.4 | 28367.9 | 28479.0 | 28590.5 | 31775.9 | 34961.0 | 38362.8 | 41764.3 | 42708.4 | 41764.3 | 38362.8 |
| 72.5° | 22587.2 | 25771.0 | 25851.0 | 25930.8 | 28422.9 | 30915.1 | 33462.8 | 36010.3 | 36105.9 | 36010.3 | 33462.8 |
| 75°   | 18377.9 | 21672.9 | 21968.7 | 22264.6 | 24203.5 | 26142.4 | 27935.9 | 29729.4 | 29248.9 | 29729.4 | 27935.9 |
| 77.5° | 13852.2 | 16928.3 | 17351.7 | 17775.0 | 19249.0 | 20723.0 | 21995.0 | 23267.2 | 22441.2 | 23267.2 | 21995.0 |
| 80°   | 9640.9  | 12228.4 | 12754.6 | 13280.8 | 14394.1 | 15506.8 | 16174.8 | 16842.6 | 15514.0 | 16842.6 | 16174.8 |
| 82.5° | 5869.0  | 7638.3  | 8226.1  | 8814.1  | 9580.4  | 10346.6 | 10625.3 | 10903.7 | 9859.6  | 10903.7 | 10625.3 |
| 85°   | 2742.8  | 3681.8  | 4181.8  | 4681.7  | 5311.3  | 5940.7  | 6098.9  | 6257.0  | 5420.7  | 6257.0  | 6098.9  |
| 87.5° | 874.0   | 1189.6  | 1468.5  | 1747.5  | 2062.3  | 2377.1  | 2390.6  | 2403.9  | 2018.1  | 2403.9  | 2390.6  |
| 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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|       | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  | 6768.7  |
| 2.5°  | 7459.6  | 7436.2  | 7412.9  | 7373.6  | 7334.4  | 7306.6  | 7279.1  |
| 5°    | 8315.5  | 8263.5  | 8211.6  | 8115.7  | 8020.1  | 7923.5  | 7827.1  |
| 7.5°  | 9143.2  | 9058.3  | 8973.4  | 8832.3  | 8691.3  | 8534.7  | 8377.8  |
| 10°   | 9701.7  | 9601.9  | 9501.7  | 9336.2  | 9170.8  | 8985.3  | 8799.9  |
| 12.5° | 9904.3  | 9831.5  | 9758.8  | 9609.7  | 9460.1  | 9259.3  | 9058.3  |
| 15°   | 9755.2  | 9752.6  | 9750.0  | 9656.0  | 9562.2  | 9388.9  | 9215.4  |
| 17.5° | 9331.0  | 9436.2  | 9541.4  | 9539.8  | 9538.0  | 9420.9  | 9303.7  |
| 20°   | 8771.8  | 9004.0  | 9236.2  | 9359.6  | 9483.0  | 9441.9  | 9401.1  |
| 22.5° | 8212.9  | 8554.4  | 8896.0  | 9151.5  | 9407.1  | 9460.6  | 9514.1  |
| 25°   | 7716.2  | 8131.0  | 8545.8  | 8933.9  | 9321.9  | 9490.8  | 9659.6  |
| 27.5° | 7305.9  | 7765.6  | 8225.3  | 8739.1  | 9253.1  | 9555.2  | 9857.0  |
| 30°   | 6999.9  | 7478.8  | 7957.8  | 8590.5  | 9223.2  | 9673.1  | 10123.2 |
| 32.5° | 6873.1  | 7323.3  | 7773.4  | 8489.2  | 9205.0  | 9821.1  | 10437.5 |
| 35°   | 7194.2  | 7506.6  | 7819.4  | 8565.1  | 9311.0  | 10065.0 | 10819.3 |
| 37.5° | 8291.3  | 8311.6  | 8331.8  | 9009.7  | 9687.6  | 10574.9 | 11462.2 |
| 40°   | 10207.1 | 9851.3  | 9495.4  | 9999.6  | 10503.7 | 11468.6 | 12433.6 |
| 42.5° | 12778.5 | 12002.4 | 11226.3 | 11516.7 | 11807.1 | 12764.5 | 13721.9 |
| 45°   | 15823.1 | 14579.5 | 13336.2 | 13464.5 | 13592.5 | 14452.8 | 15312.7 |
| 47.5° | 19163.9 | 17370.6 | 15576.9 | 15602.9 | 15628.8 | 16465.7 | 17302.3 |
| 50°   | 22475.5 | 20163.8 | 17852.2 | 17847.8 | 17843.4 | 18876.6 | 19910.1 |
| 52.5° | 25670.2 | 22909.0 | 20147.7 | 20274.5 | 20401.0 | 21652.1 | 22903.5 |
| 55°   | 28777.5 | 25704.5 | 22631.3 | 23124.6 | 23617.8 | 24854.2 | 26090.5 |
| 57.5° | 31870.1 | 28767.1 | 25664.0 | 26653.1 | 27642.4 | 28315.9 | 28989.2 |
| 60°   | 36248.8 | 33312.2 | 30375.6 | 31604.2 | 32832.7 | 31786.8 | 30741.1 |
| 62.5° | 40669.5 | 37979.1 | 35289.1 | 35427.8 | 35566.2 | 32708.8 | 29851.5 |
| 65°   | 41333.1 | 37914.2 | 34495.6 | 33965.2 | 33434.5 | 30752.8 | 28071.0 |
| 67.5° | 38407.7 | 34845.9 | 31283.9 | 31035.4 | 30786.5 | 28235.9 | 25685.3 |
| 70°   | 34961.0 | 31775.9 | 28590.5 | 28479.0 | 28367.9 | 25593.4 | 22819.1 |
| 72.5° | 30915.1 | 28422.9 | 25930.8 | 25851.0 | 25771.0 | 22587.2 | 19403.6 |
| 75°   | 26142.4 | 24203.5 | 22264.6 | 21968.7 | 21672.9 | 18377.9 | 15082.9 |
| 77.5° | 20723.0 | 19249.0 | 17775.0 | 17351.7 | 16928.3 | 13852.2 | 10776.5 |
| 80°   | 15506.8 | 14394.1 | 13280.8 | 12754.6 | 12228.4 | 9640.9  | 7053.1  |
| 82.5° | 10346.6 | 9580.4  | 8814.1  | 8226.1  | 7638.3  | 5869.0  | 4099.9  |
| 85°   | 5940.7  | 5311.3  | 4681.7  | 4181.8  | 3681.8  | 2742.8  | 1803.9  |
| 87.5° | 2377.1  | 2062.3  | 1747.5  | 1468.5  | 1189.6  | 874.0   | 558.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)