

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: P955678

Luminaire Tested: **GALN-SB8C-760-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955678  
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-SB8C-760-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

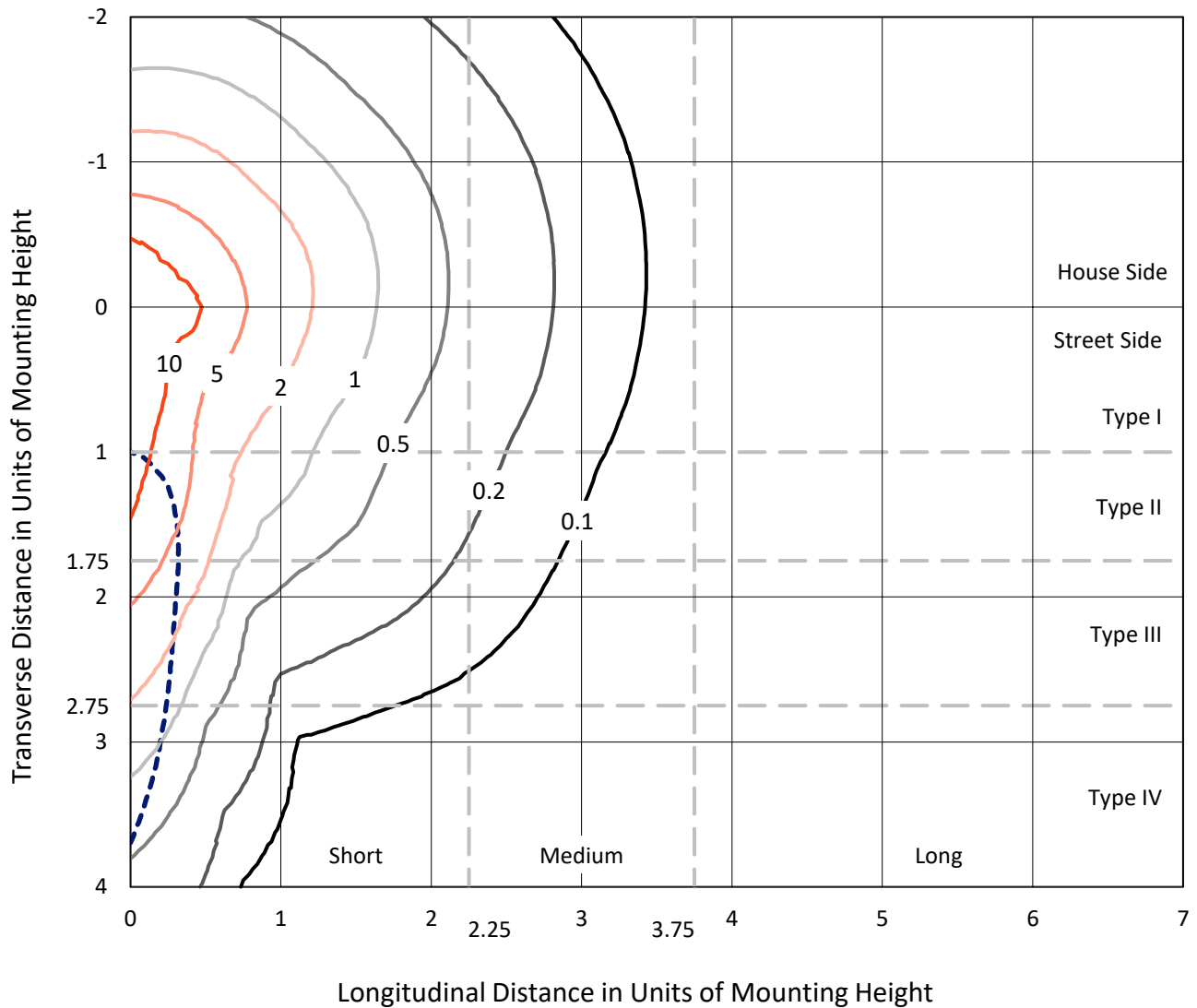
Lumens per Lamp: N/A  
Luminaire Lumens: 63839 lumens  
Efficiency: N/A  
Efficacy: 159.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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



REPORT NUMBER: P955678  
 CATALOG NUMBER: GALN-SB8C-760-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

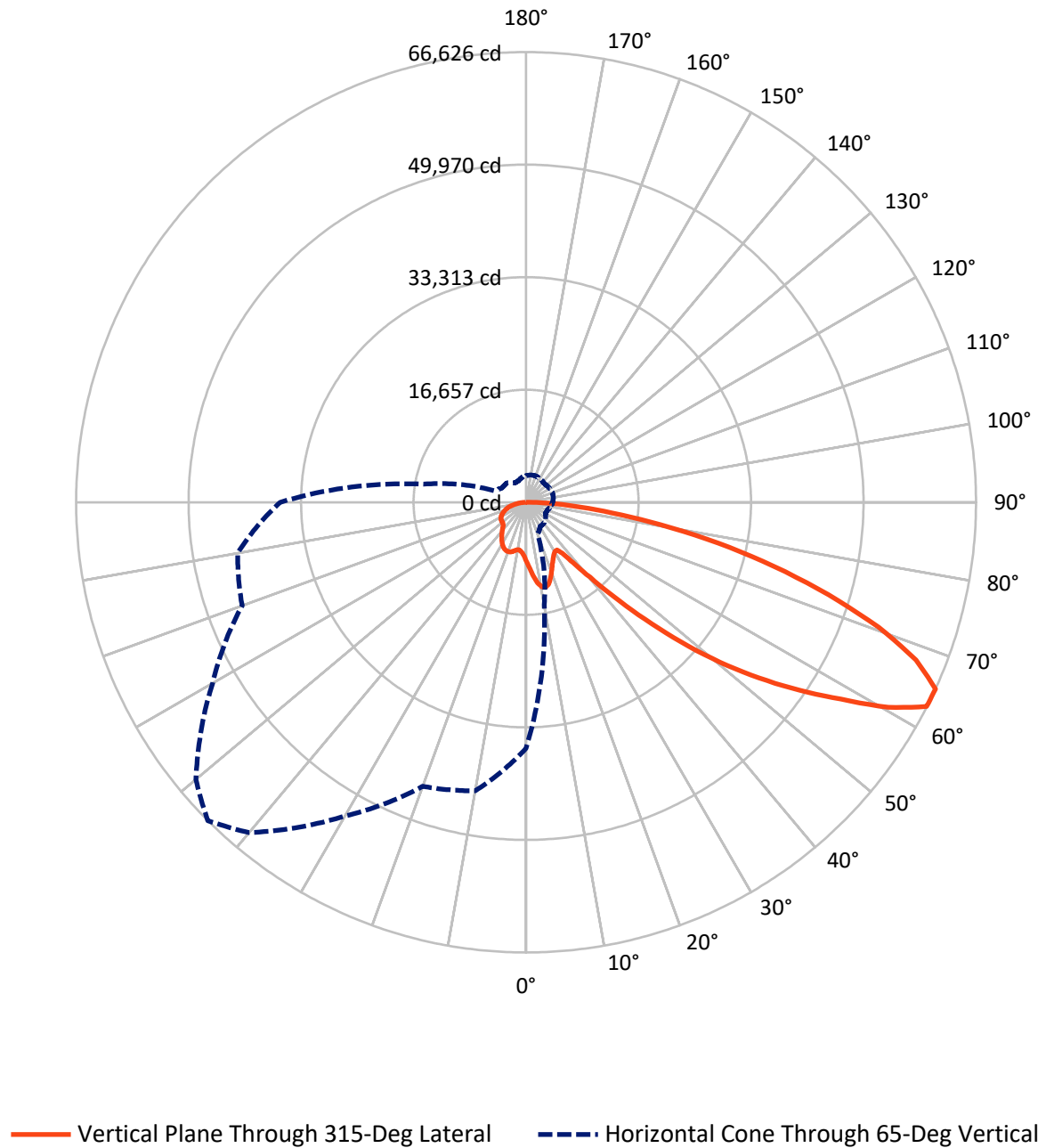
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB8C-760-U-SLR

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16224.7  | 0.0    | 16224.7 |
|                    | % Fixture | 25.4     | 0.0    | 25.4    |
| <b>Street Side</b> | Lumens    | 47614.3  | 0.0    | 47614.3 |
|                    | % Fixture | 74.6     | 0.0    | 74.6    |
| <b>Total</b>       | Lumens    | 63839.0  | 0.0    | 63839.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 870.8   | 1.4       |
| 10°-20°   | 2733.7  | 4.3       |
| 20°-30°   | 4222.6  | 6.6       |
| 30°-40°   | 5351.0  | 8.4       |
| 40°-50°   | 8070.7  | 12.6      |
| 50°-60°   | 13039.4 | 20.4      |
| 60°-70°   | 16255.7 | 25.5      |
| 70°-80°   | 10659.7 | 16.7      |
| 80°-90°   | 2635.3  | 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°    | 63839.0 | 100.0     |
| 0°-180°   | 63839.0 | 100.0     |

**Coefficient of Utilization**



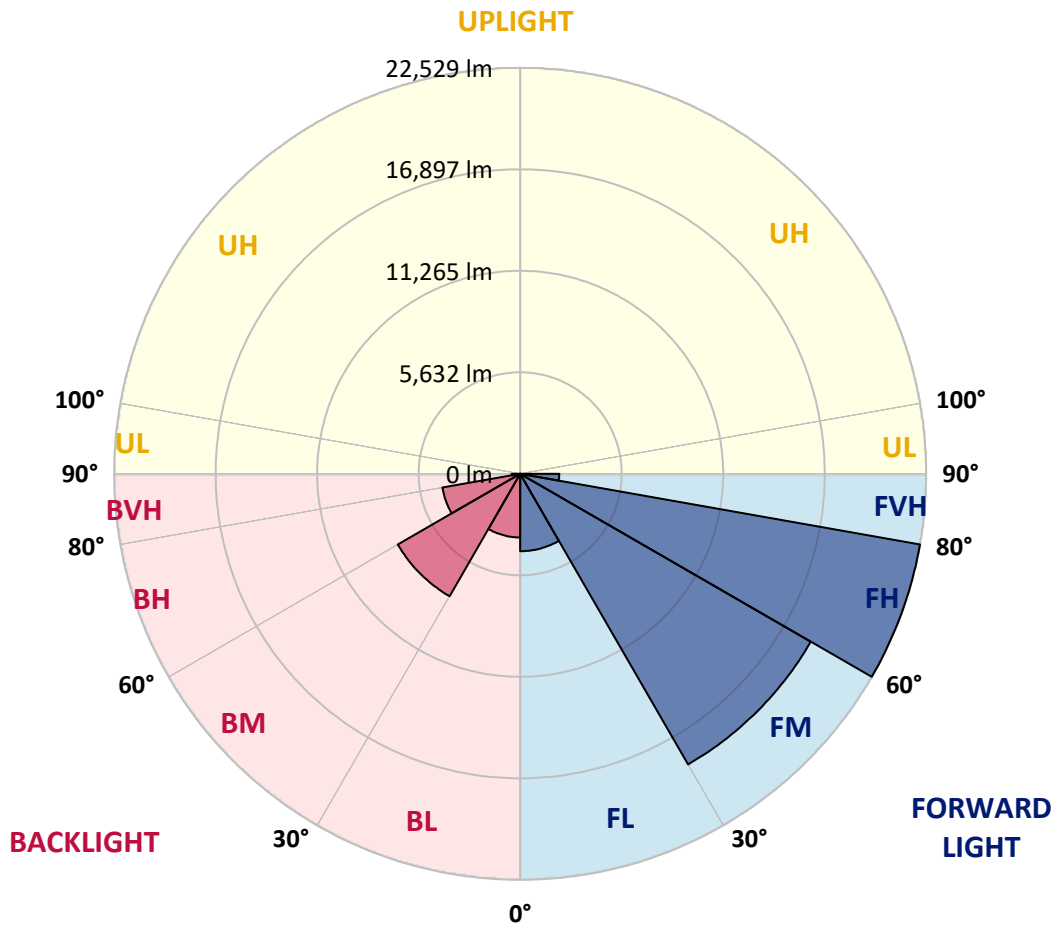
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 CATALOG NUMBER: GALN-SB8C-760-U-SLR

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 4293.9  | 6.7       |                         |      |         |
| FM (30°-60°)   | 18620.4 | 29.2      |                         |      |         |
| FH (60°-80°)   | 22529.0 | 35.3      |                         |      | G5      |
| FVH (80°-90°)  | 2170.9  | 3.4       |                         |      | G5      |
| BL (0°-30°)    | 3533.1  | 5.5       | B4/5000                 |      |         |
| BM (30°-60°)   | 7840.7  | 12.3      | B4/8500                 |      |         |
| BH (60°-80°)   | 4386.4  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 464.4   | 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°    |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4 | 8778.4 | 8778.4 | 8778.4 |
| 2.5°  | 9440.3  | 9367.9  | 9295.5  | 9218.3  | 9141.5  | 9064.1  | 8986.6 | 8912.5 | 8838.4 | 8766.6 |
| 5°    | 10151.1 | 9991.1  | 9831.1  | 9671.4  | 9512.1  | 9351.4  | 9191.1 | 9041.2 | 8891.3 | 8749.8 |
| 7.5°  | 10865.2 | 10601.1 | 10337.4 | 10093.5 | 9849.6  | 9612.1  | 9374.6 | 9165.5 | 8956.3 | 8763.3 |
| 10°   | 11412.6 | 11078.8 | 10745.0 | 10422.6 | 10100.6 | 9812.2  | 9523.5 | 9276.3 | 9028.4 | 8790.2 |
| 12.5° | 11747.8 | 11380.9 | 11014.4 | 10649.3 | 10284.1 | 9943.9  | 9603.7 | 9323.8 | 9043.9 | 8793.6 |
| 15°   | 11951.6 | 11569.2 | 11186.9 | 10790.8 | 10394.6 | 10002.9 | 9611.1 | 9287.1 | 8963.0 | 8685.8 |
| 17.5° | 12066.1 | 11678.4 | 11290.7 | 10858.5 | 10426.3 | 9971.5  | 9516.8 | 9127.1 | 8737.3 | 8411.2 |
| 20°   | 12192.4 | 11789.5 | 11386.3 | 10911.4 | 10436.4 | 9885.3  | 9334.2 | 8851.2 | 8368.1 | 7988.5 |
| 22.5° | 12339.0 | 11927.3 | 11515.4 | 10982.8 | 10449.9 | 9779.5  | 9109.2 | 8527.5 | 7945.7 | 7513.5 |
| 25°   | 12527.6 | 12124.0 | 11720.8 | 11112.1 | 10503.1 | 9675.1  | 8847.5 | 8166.0 | 7484.9 | 7041.9 |
| 27.5° | 12783.6 | 12398.9 | 12013.9 | 11314.2 | 10614.3 | 9605.4  | 8596.5 | 7835.6 | 7074.6 | 6671.4 |
| 30°   | 13128.9 | 12757.0 | 12385.4 | 11576.0 | 10766.5 | 9572.7  | 8378.2 | 7559.3 | 6740.4 | 6401.9 |
| 32.5° | 13536.5 | 13168.3 | 12800.4 | 11849.2 | 10897.9 | 9532.3  | 8166.0 | 7321.2 | 6476.0 | 6203.2 |
| 35°   | 14031.6 | 13679.3 | 13326.6 | 12160.4 | 10994.2 | 9456.2  | 7918.8 | 7087.1 | 6255.4 | 6028.0 |
| 37.5° | 14865.4 | 14416.0 | 13966.6 | 12509.1 | 11051.5 | 9325.8  | 7600.1 | 6811.5 | 6022.9 | 5824.2 |
| 40°   | 16125.2 | 15470.4 | 14815.5 | 12951.7 | 11087.5 | 9146.3  | 7205.3 | 6482.8 | 5760.2 | 5580.0 |
| 42.5° | 17796.0 | 16850.8 | 15905.6 | 13530.7 | 11155.9 | 8961.0  | 6766.7 | 6120.0 | 5473.2 | 5307.1 |
| 45°   | 19859.2 | 18584.2 | 17309.2 | 14292.7 | 11276.2 | 8788.9  | 6301.9 | 5734.6 | 5167.3 | 4998.9 |
| 47.5° | 22439.5 | 20645.1 | 18850.3 | 15104.5 | 11358.7 | 8646.7  | 5934.7 | 5429.7 | 4924.8 | 4707.5 |
| 50°   | 25821.5 | 23116.3 | 20410.7 | 15857.7 | 11304.8 | 8491.7  | 5678.7 | 5227.3 | 4775.9 | 4490.3 |
| 52.5° | 29703.8 | 25712.1 | 21720.3 | 16346.8 | 10973.0 | 8230.0  | 5487.3 | 5093.9 | 4700.8 | 4372.4 |
| 55°   | 33837.0 | 28013.4 | 22190.2 | 16239.1 | 10287.5 | 7796.1  | 5304.8 | 4997.2 | 4689.7 | 4384.2 |
| 57.5° | 37596.3 | 29644.5 | 21692.7 | 15480.5 | 9268.5  | 7184.4  | 5100.0 | 4882.7 | 4665.4 | 4395.9 |
| 60°   | 39868.3 | 30052.1 | 20235.5 | 14068.7 | 7901.9  | 6390.1  | 4878.3 | 4707.5 | 4536.7 | 4358.9 |
| 62.5° | 38714.6 | 28335.8 | 17957.0 | 12159.8 | 6362.5  | 5439.5  | 4516.5 | 4403.0 | 4289.8 | 4267.9 |
| 65°   | 36405.5 | 25907.4 | 15409.4 | 10212.1 | 5015.1  | 4584.2  | 4153.4 | 4099.8 | 4046.3 | 4049.0 |
| 67.5° | 33311.5 | 23017.6 | 12723.6 | 8304.1  | 3884.6  | 3762.3  | 3639.7 | 3669.7 | 3699.3 | 3691.9 |
| 70°   | 29594.3 | 19864.3 | 10134.2 | 6538.3  | 2942.4  | 2977.5  | 3012.1 | 3150.9 | 3289.4 | 3289.4 |
| 72.5° | 25164.7 | 16445.9 | 7727.4  | 4998.6  | 2269.7  | 2375.2  | 2480.9 | 2677.7 | 2874.0 | 2907.0 |
| 75°   | 19561.1 | 12527.3 | 5493.4  | 3627.9  | 1762.4  | 1858.1  | 1953.8 | 2174.1 | 2394.4 | 2546.6 |
| 77.5° | 13976.1 | 8768.0  | 3559.9  | 2458.4  | 1356.8  | 1421.9  | 1487.2 | 1701.1 | 1915.0 | 2166.0 |
| 80°   | 9147.3  | 5649.0  | 2150.8  | 1583.9  | 1017.3  | 1044.2  | 1071.2 | 1252.4 | 1433.3 | 1733.1 |
| 82.5° | 5317.2  | 3269.5  | 1222.1  | 974.2   | 726.9   | 731.6   | 737.0  | 870.4  | 1003.8 | 1259.8 |
| 85°   | 2339.5  | 1470.7  | 602.3   | 520.8   | 439.6   | 437.2   | 434.5  | 532.2  | 629.9  | 820.2  |
| 87.5° | 724.2   | 481.7   | 239.2   | 215.9   | 192.7   | 190.3   | 188.0  | 227.7  | 267.8  | 347.0  |
| 90°   | 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):**

| 50°    |       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8778.4 | 0°    | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 |
| 8686.8 | 2.5°  | 8622.1 | 8557.8 | 8499.5 | 8441.6 | 8390.7 | 8339.8 | 8288.6 | 8237.8 | 8198.3 | 8158.6 |
| 8610.0 | 5°    | 8488.0 | 8365.8 | 8263.4 | 8161.3 | 8071.0 | 7980.7 | 7898.9 | 7816.7 | 7753.7 | 7690.4 |
| 8582.4 | 7.5°  | 8420.0 | 8258.0 | 8123.2 | 7988.5 | 7875.0 | 7761.1 | 7660.7 | 7560.7 | 7485.6 | 7410.8 |
| 8595.8 | 10°   | 8424.7 | 8253.6 | 8118.9 | 7984.1 | 7861.8 | 7739.2 | 7626.4 | 7513.5 | 7423.9 | 7334.0 |
| 8612.7 | 12.5° | 8472.5 | 8333.1 | 8243.5 | 8154.6 | 8058.2 | 7962.6 | 7845.7 | 7729.1 | 7614.6 | 7500.1 |
| 8540.9 | 15°   | 8473.9 | 8407.2 | 8419.3 | 8431.5 | 8406.5 | 8381.6 | 8280.2 | 8178.8 | 8015.8 | 7852.7 |
| 8322.0 | 17.5° | 8346.6 | 8370.8 | 8517.7 | 8664.6 | 8742.7 | 8820.5 | 8738.7 | 8657.1 | 8441.2 | 8225.3 |
| 7964.9 | 20°   | 8079.4 | 8194.0 | 8449.0 | 8704.3 | 8867.7 | 9031.1 | 8993.3 | 8955.3 | 8708.3 | 8461.8 |
| 7559.7 | 22.5° | 7729.1 | 7898.5 | 8189.6 | 8481.3 | 8693.9 | 8906.4 | 8929.3 | 8951.9 | 8716.1 | 8480.3 |
| 7166.6 | 25°   | 7361.9 | 7557.3 | 7819.1 | 8081.1 | 8290.3 | 8499.5 | 8577.6 | 8655.5 | 8462.1 | 8269.1 |
| 6823.0 | 27.5° | 7011.6 | 7200.3 | 7415.5 | 7630.4 | 7798.2 | 7965.9 | 8052.8 | 8140.1 | 8002.3 | 7864.9 |
| 6520.8 | 30°   | 6670.4 | 6820.6 | 6999.2 | 7177.7 | 7316.8 | 7456.3 | 7527.0 | 7597.7 | 7493.0 | 7387.9 |
| 6256.1 | 32.5° | 6344.6 | 6433.2 | 6575.7 | 6718.6 | 6851.9 | 6985.7 | 7064.2 | 7143.0 | 7046.6 | 6950.0 |
| 6006.1 | 35°   | 6030.4 | 6054.9 | 6163.8 | 6272.2 | 6404.3 | 6536.6 | 6631.0 | 6725.3 | 6656.6 | 6588.2 |
| 5744.0 | 37.5° | 5717.1 | 5690.1 | 5768.3 | 5846.1 | 5977.8 | 6109.9 | 6226.4 | 6343.0 | 6311.3 | 6279.6 |
| 5457.0 | 40°   | 5396.1 | 5335.1 | 5391.3 | 5447.6 | 5574.9 | 5702.3 | 5836.3 | 5970.7 | 5978.5 | 5985.9 |
| 5152.2 | 42.5° | 5071.3 | 4990.5 | 5036.3 | 5082.5 | 5203.0 | 5324.0 | 5468.8 | 5613.7 | 5652.4 | 5691.1 |
| 4849.0 | 45°   | 4770.2 | 4691.7 | 4730.1 | 4769.2 | 4883.7 | 4998.2 | 5148.5 | 5298.7 | 5354.3 | 5409.9 |
| 4578.5 | 47.5° | 4512.5 | 4446.5 | 4482.9 | 4518.9 | 4631.1 | 4742.9 | 4891.1 | 5039.3 | 5103.3 | 5167.3 |
| 4340.4 | 50°   | 4281.7 | 4223.5 | 4280.1 | 4337.0 | 4442.8 | 4548.2 | 4680.9 | 4813.6 | 4895.8 | 4978.0 |
| 4162.8 | 52.5° | 4104.9 | 4047.3 | 4132.5 | 4217.4 | 4314.4 | 4411.1 | 4534.7 | 4658.7 | 4756.0 | 4853.4 |
| 4068.5 | 55°   | 3976.9 | 3885.6 | 4006.5 | 4127.1 | 4231.6 | 4336.0 | 4444.5 | 4552.6 | 4655.7 | 4759.1 |
| 4011.9 | 57.5° | 3878.5 | 3745.1 | 3875.2 | 4005.2 | 4127.8 | 4250.4 | 4357.5 | 4465.0 | 4569.1 | 4672.8 |
| 3958.7 | 60°   | 3785.9 | 3612.8 | 3727.0 | 3840.8 | 3981.6 | 4122.4 | 4231.2 | 4340.4 | 4444.8 | 4549.2 |
| 3896.7 | 62.5° | 3680.5 | 3464.5 | 3537.0 | 3609.4 | 3773.4 | 3937.8 | 4054.0 | 4170.3 | 4265.9 | 4361.6 |
| 3766.0 | 65°   | 3536.3 | 3306.2 | 3334.2 | 3361.8 | 3537.6 | 3713.8 | 3825.0 | 3936.1 | 4020.4 | 4104.6 |
| 3532.9 | 67.5° | 3341.6 | 3150.3 | 3141.5 | 3132.7 | 3295.1 | 3457.8 | 3563.2 | 3668.3 | 3741.1 | 3813.9 |
| 3237.2 | 70°   | 3101.1 | 2965.0 | 2934.7 | 2904.4 | 3047.2 | 3190.0 | 3281.0 | 3371.9 | 3437.6 | 3503.3 |
| 2907.7 | 72.5° | 2814.4 | 2721.1 | 2676.6 | 2632.5 | 2745.0 | 2857.2 | 2939.4 | 3021.6 | 3085.9 | 3150.3 |
| 2533.8 | 75°   | 2462.1 | 2390.0 | 2347.5 | 2304.8 | 2388.3 | 2471.8 | 2546.3 | 2620.7 | 2679.3 | 2737.9 |
| 2159.2 | 77.5° | 2101.6 | 2044.0 | 2000.9 | 1957.8 | 2025.8 | 2093.5 | 2157.5 | 2221.6 | 2283.2 | 2344.5 |
| 1732.1 | 80°   | 1683.9 | 1635.4 | 1599.4 | 1563.0 | 1619.6 | 1675.8 | 1729.7 | 1783.6 | 1830.5 | 1876.9 |
| 1274.0 | 82.5° | 1250.4 | 1226.8 | 1201.2 | 1175.6 | 1170.9 | 1166.2 | 1147.3 | 1128.5 | 1128.2 | 1127.9 |
| 838.8  | 85°   | 813.5  | 788.2  | 759.6  | 731.0  | 706.7  | 682.1  | 629.9  | 577.7  | 671.0  | 764.7  |
| 370.5  | 87.5° | 360.4  | 350.3  | 344.9  | 339.5  | 338.5  | 337.5  | 297.8  | 257.7  | 296.8  | 336.2  |
| 0.0    | 90°   | 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):**

| 105°   |       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8778.4 | 0°    | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 |
| 8126.6 | 2.5°  | 8094.6 | 8069.7 | 8044.7 | 8021.8 | 7998.6 | 7970.0 | 7998.6 | 8021.8 | 8044.7 | 8069.7 |
| 7646.2 | 5°    | 7602.1 | 7570.8 | 7539.5 | 7515.5 | 7491.6 | 7468.1 | 7491.6 | 7515.5 | 7539.5 | 7570.8 |
| 7358.2 | 7.5°  | 7305.7 | 7269.6 | 7233.9 | 7212.4 | 7191.2 | 7175.0 | 7191.2 | 7212.4 | 7233.9 | 7269.6 |
| 7275.4 | 10°   | 7216.1 | 7182.1 | 7148.0 | 7129.8 | 7111.7 | 7104.2 | 7111.7 | 7129.8 | 7148.0 | 7182.1 |
| 7424.3 | 12.5° | 7348.5 | 7310.4 | 7272.7 | 7257.2 | 7241.7 | 7239.0 | 7241.7 | 7257.2 | 7272.7 | 7310.4 |
| 7737.5 | 15°   | 7622.3 | 7569.4 | 7516.9 | 7496.7 | 7476.5 | 7474.8 | 7476.5 | 7496.7 | 7516.9 | 7569.4 |
| 8055.5 | 17.5° | 7885.7 | 7807.6 | 7729.1 | 7703.5 | 7677.6 | 7673.5 | 7677.6 | 7703.5 | 7729.1 | 7807.6 |
| 8253.6 | 20°   | 8045.8 | 7945.7 | 7845.3 | 7813.3 | 7781.3 | 7771.2 | 7781.3 | 7813.3 | 7845.3 | 7945.7 |
| 8266.1 | 22.5° | 8051.5 | 7946.0 | 7840.3 | 7804.9 | 7769.5 | 7754.4 | 7769.5 | 7804.9 | 7840.3 | 7946.0 |
| 8078.4 | 25°   | 7888.4 | 7796.8 | 7705.5 | 7672.2 | 7639.2 | 7619.6 | 7639.2 | 7672.2 | 7705.5 | 7796.8 |
| 7717.0 | 27.5° | 7569.1 | 7507.8 | 7446.2 | 7431.0 | 7415.8 | 7410.8 | 7415.8 | 7431.0 | 7446.2 | 7507.8 |
| 7282.1 | 30°   | 7175.7 | 7144.3 | 7112.7 | 7112.7 | 7112.7 | 7117.7 | 7112.7 | 7112.7 | 7112.7 | 7144.3 |
| 6865.4 | 32.5° | 6780.9 | 6760.3 | 6739.8 | 6742.5 | 6745.5 | 6750.6 | 6745.5 | 6742.5 | 6739.8 | 6760.3 |
| 6510.0 | 35°   | 6432.2 | 6400.9 | 6369.9 | 6363.2 | 6356.4 | 6353.1 | 6356.4 | 6363.2 | 6369.9 | 6400.9 |
| 6207.9 | 37.5° | 6135.8 | 6078.9 | 6022.3 | 5992.3 | 5962.3 | 5945.5 | 5962.3 | 5992.3 | 6022.3 | 6078.9 |
| 5924.9 | 40°   | 5864.0 | 5781.1 | 5698.9 | 5643.0 | 5587.7 | 5554.7 | 5587.7 | 5643.0 | 5698.9 | 5781.1 |
| 5639.6 | 42.5° | 5588.4 | 5485.7 | 5382.9 | 5301.7 | 5220.6 | 5167.3 | 5220.6 | 5301.7 | 5382.9 | 5485.7 |
| 5363.4 | 45°   | 5317.2 | 5199.7 | 5082.5 | 4987.1 | 4891.8 | 4830.5 | 4891.8 | 4987.1 | 5082.5 | 5199.7 |
| 5135.0 | 47.5° | 5102.7 | 4998.2 | 4893.8 | 4805.6 | 4717.6 | 4658.7 | 4717.6 | 4805.6 | 4893.8 | 4998.2 |
| 4976.0 | 50°   | 4974.7 | 4891.1 | 4807.6 | 4726.1 | 4644.5 | 4587.9 | 4644.5 | 4726.1 | 4807.6 | 4891.1 |
| 4870.9 | 52.5° | 4888.4 | 4820.4 | 4752.3 | 4679.2 | 4606.5 | 4554.3 | 4606.5 | 4679.2 | 4752.3 | 4820.4 |
| 4783.3 | 55°   | 4807.6 | 4748.3 | 4689.0 | 4625.0 | 4561.0 | 4513.8 | 4561.0 | 4625.0 | 4689.0 | 4748.3 |
| 4697.4 | 57.5° | 4722.0 | 4662.1 | 4602.1 | 4538.8 | 4475.1 | 4426.3 | 4475.1 | 4538.8 | 4602.1 | 4662.1 |
| 4576.2 | 60°   | 4603.1 | 4544.5 | 4486.2 | 4420.9 | 4355.5 | 4305.0 | 4355.5 | 4420.9 | 4486.2 | 4544.5 |
| 4387.5 | 62.5° | 4413.5 | 4360.6 | 4307.7 | 4239.0 | 4170.3 | 4109.6 | 4170.3 | 4239.0 | 4307.7 | 4360.6 |
| 4131.2 | 65°   | 4157.5 | 4106.6 | 4055.7 | 3989.0 | 3922.7 | 3870.5 | 3922.7 | 3989.0 | 4055.7 | 4106.6 |
| 3839.8 | 67.5° | 3865.4 | 3818.6 | 3772.1 | 3710.1 | 3648.1 | 3601.0 | 3648.1 | 3710.1 | 3772.1 | 3818.6 |
| 3528.2 | 70°   | 3553.1 | 3515.1 | 3477.0 | 3417.7 | 3358.4 | 3304.5 | 3358.4 | 3417.7 | 3477.0 | 3515.1 |
| 3179.9 | 72.5° | 3209.5 | 3177.9 | 3146.2 | 3089.6 | 3033.4 | 2981.2 | 3033.4 | 3089.6 | 3146.2 | 3177.9 |
| 2768.9 | 75°   | 2799.9 | 2784.4 | 2768.9 | 2721.4 | 2673.9 | 2624.1 | 2673.9 | 2721.4 | 2768.9 | 2784.4 |
| 2373.5 | 77.5° | 2402.4 | 2380.9 | 2358.7 | 2310.8 | 2263.0 | 2223.2 | 2263.0 | 2310.8 | 2358.7 | 2380.9 |
| 1915.4 | 80°   | 1953.8 | 1944.3 | 1935.2 | 1870.9 | 1806.2 | 1731.4 | 1806.2 | 1870.9 | 1935.2 | 1944.3 |
| 1393.2 | 82.5° | 1458.6 | 1454.5 | 1450.2 | 1395.9 | 1341.4 | 1293.5 | 1341.4 | 1395.9 | 1450.2 | 1454.5 |
| 845.5  | 85°   | 926.3  | 919.6  | 912.9  | 870.4  | 828.0  | 784.9  | 828.0  | 870.4  | 912.9  | 919.6  |
| 368.9  | 87.5° | 401.5  | 393.4  | 384.7  | 363.1  | 340.9  | 320.0  | 340.9  | 363.1  | 384.7  | 393.4  |
| 0.0    | 90°   | 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):**

| 160°   |       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8778.4 | 0°    | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 |
| 8094.6 | 2.5°  | 8126.6 | 8158.6 | 8198.3 | 8237.8 | 8288.6 | 8339.8 | 8390.7 | 8441.6 | 8499.5 | 8557.8 |
| 7602.1 | 5°    | 7646.2 | 7690.4 | 7753.7 | 7816.7 | 7898.9 | 7980.7 | 8071.0 | 8161.3 | 8263.4 | 8365.8 |
| 7305.7 | 7.5°  | 7358.2 | 7410.8 | 7485.6 | 7560.7 | 7660.7 | 7761.1 | 7875.0 | 7988.5 | 8123.2 | 8258.0 |
| 7216.1 | 10°   | 7275.4 | 7334.0 | 7423.9 | 7513.5 | 7626.4 | 7739.2 | 7861.8 | 7984.1 | 8118.9 | 8253.6 |
| 7348.5 | 12.5° | 7424.3 | 7500.1 | 7614.6 | 7729.1 | 7845.7 | 7962.6 | 8058.2 | 8154.6 | 8243.5 | 8333.1 |
| 7622.3 | 15°   | 7737.5 | 7852.7 | 8015.8 | 8178.8 | 8280.2 | 8381.6 | 8406.5 | 8431.5 | 8419.3 | 8407.2 |
| 7885.7 | 17.5° | 8055.5 | 8225.3 | 8441.2 | 8657.1 | 8738.7 | 8820.5 | 8742.7 | 8664.6 | 8517.7 | 8370.8 |
| 8045.8 | 20°   | 8253.6 | 8461.8 | 8708.3 | 8955.3 | 8993.3 | 9031.1 | 8867.7 | 8704.3 | 8449.0 | 8194.0 |
| 8051.5 | 22.5° | 8266.1 | 8480.3 | 8716.1 | 8951.9 | 8929.3 | 8906.4 | 8693.9 | 8481.3 | 8189.6 | 7898.5 |
| 7888.4 | 25°   | 8078.4 | 8269.1 | 8462.1 | 8655.5 | 8577.6 | 8499.5 | 8290.3 | 8081.1 | 7819.1 | 7557.3 |
| 7569.1 | 27.5° | 7717.0 | 7864.9 | 8002.3 | 8140.1 | 8052.8 | 7965.9 | 7798.2 | 7630.4 | 7415.5 | 7200.3 |
| 7175.7 | 30°   | 7282.1 | 7387.9 | 7493.0 | 7597.7 | 7527.0 | 7456.3 | 7316.8 | 7177.7 | 6999.2 | 6820.6 |
| 6780.9 | 32.5° | 6865.4 | 6950.0 | 7046.6 | 7143.0 | 7064.2 | 6985.7 | 6851.9 | 6718.6 | 6575.7 | 6433.2 |
| 6432.2 | 35°   | 6510.0 | 6588.2 | 6656.6 | 6725.3 | 6631.0 | 6536.6 | 6404.3 | 6272.2 | 6163.8 | 6054.9 |
| 6135.8 | 37.5° | 6207.9 | 6279.6 | 6311.3 | 6343.0 | 6226.4 | 6109.9 | 5977.8 | 5846.1 | 5768.3 | 5690.1 |
| 5864.0 | 40°   | 5924.9 | 5985.9 | 5978.5 | 5970.7 | 5836.3 | 5702.3 | 5574.9 | 5447.6 | 5391.3 | 5335.1 |
| 5588.4 | 42.5° | 5639.6 | 5691.1 | 5652.4 | 5613.7 | 5468.8 | 5324.0 | 5203.0 | 5082.5 | 5036.3 | 4990.5 |
| 5317.2 | 45°   | 5363.4 | 5409.9 | 5354.3 | 5298.7 | 5148.5 | 4998.2 | 4883.7 | 4769.2 | 4730.1 | 4691.7 |
| 5102.7 | 47.5° | 5135.0 | 5167.3 | 5103.3 | 5039.3 | 4891.1 | 4742.9 | 4631.1 | 4518.9 | 4482.9 | 4446.5 |
| 4974.7 | 50°   | 4976.0 | 4978.0 | 4895.8 | 4813.6 | 4680.9 | 4548.2 | 4442.8 | 4337.0 | 4280.1 | 4223.5 |
| 4888.4 | 52.5° | 4870.9 | 4853.4 | 4756.0 | 4658.7 | 4534.7 | 4411.1 | 4314.4 | 4217.4 | 4132.5 | 4047.3 |
| 4807.6 | 55°   | 4783.3 | 4759.1 | 4655.7 | 4552.6 | 4444.5 | 4336.0 | 4231.6 | 4127.1 | 4006.5 | 3885.6 |
| 4722.0 | 57.5° | 4697.4 | 4672.8 | 4569.1 | 4465.0 | 4357.5 | 4250.4 | 4127.8 | 4005.2 | 3875.2 | 3745.1 |
| 4603.1 | 60°   | 4576.2 | 4549.2 | 4444.8 | 4340.4 | 4231.2 | 4122.4 | 3981.6 | 3840.8 | 3727.0 | 3612.8 |
| 4413.5 | 62.5° | 4387.5 | 4361.6 | 4265.9 | 4170.3 | 4054.0 | 3937.8 | 3773.4 | 3609.4 | 3537.0 | 3464.5 |
| 4157.5 | 65°   | 4131.2 | 4104.6 | 4020.4 | 3936.1 | 3825.0 | 3713.8 | 3537.6 | 3361.8 | 3334.2 | 3306.2 |
| 3865.4 | 67.5° | 3839.8 | 3813.9 | 3741.1 | 3668.3 | 3563.2 | 3457.8 | 3295.1 | 3132.7 | 3141.5 | 3150.3 |
| 3553.1 | 70°   | 3528.2 | 3503.3 | 3437.6 | 3371.9 | 3281.0 | 3190.0 | 3047.2 | 2904.4 | 2934.7 | 2965.0 |
| 3209.5 | 72.5° | 3179.9 | 3150.3 | 3085.9 | 3021.6 | 2939.4 | 2857.2 | 2745.0 | 2632.5 | 2676.6 | 2721.1 |
| 2799.9 | 75°   | 2768.9 | 2737.9 | 2679.3 | 2620.7 | 2546.3 | 2471.8 | 2388.3 | 2304.8 | 2347.5 | 2390.0 |
| 2402.4 | 77.5° | 2373.5 | 2344.5 | 2283.2 | 2221.6 | 2157.5 | 2093.5 | 2025.8 | 1957.8 | 2000.9 | 2044.0 |
| 1953.8 | 80°   | 1915.4 | 1876.9 | 1830.5 | 1783.6 | 1729.7 | 1675.8 | 1619.6 | 1563.0 | 1599.4 | 1635.4 |
| 1458.6 | 82.5° | 1393.2 | 1327.9 | 1228.2 | 1128.5 | 1147.3 | 1166.2 | 1170.9 | 1175.6 | 1201.2 | 1226.8 |
| 926.3  | 85°   | 845.5  | 764.7  | 671.0  | 577.7  | 629.9  | 682.1  | 706.7  | 731.0  | 759.6  | 788.2  |
| 401.5  | 87.5° | 368.9  | 336.2  | 296.8  | 257.7  | 297.8  | 337.5  | 338.5  | 339.5  | 344.9  | 350.3  |
| 0.0    | 90°   | 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):**

| 215°   |       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°    | 250°    | 255°    | 260°    | 265°    |
|--------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 8778.4 | 0°    | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4 | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  |
| 8622.1 | 2.5°  | 8686.8 | 8766.6 | 8838.4 | 8912.5 | 8986.6 | 9064.1  | 9141.5  | 9218.3  | 9295.5  | 9367.9  |
| 8488.0 | 5°    | 8610.0 | 8749.8 | 8891.3 | 9041.2 | 9191.1 | 9351.4  | 9512.1  | 9671.4  | 9831.1  | 9991.1  |
| 8420.0 | 7.5°  | 8582.4 | 8763.3 | 8956.3 | 9165.5 | 9374.6 | 9612.1  | 9849.6  | 10093.5 | 10337.4 | 10601.1 |
| 8424.7 | 10°   | 8595.8 | 8790.2 | 9028.4 | 9276.3 | 9523.5 | 9812.2  | 10100.6 | 10422.6 | 10745.0 | 11078.8 |
| 8472.5 | 12.5° | 8612.7 | 8793.6 | 9043.9 | 9323.8 | 9603.7 | 9943.9  | 10284.1 | 10649.3 | 11014.4 | 11380.9 |
| 8473.9 | 15°   | 8540.9 | 8685.8 | 8963.0 | 9287.1 | 9611.1 | 10002.9 | 10394.6 | 10790.8 | 11186.9 | 11569.2 |
| 8346.6 | 17.5° | 8322.0 | 8411.2 | 8737.3 | 9127.1 | 9516.8 | 9971.5  | 10426.3 | 10858.5 | 11290.7 | 11678.4 |
| 8079.4 | 20°   | 7964.9 | 7988.5 | 8368.1 | 8851.2 | 9334.2 | 9885.3  | 10436.4 | 10911.4 | 11386.3 | 11789.5 |
| 7729.1 | 22.5° | 7559.7 | 7513.5 | 7945.7 | 8527.5 | 9109.2 | 9779.5  | 10449.9 | 10982.8 | 11515.4 | 11927.3 |
| 7361.9 | 25°   | 7166.6 | 7041.9 | 7484.9 | 8166.0 | 8847.5 | 9675.1  | 10503.1 | 11112.1 | 11720.8 | 12124.0 |
| 7011.6 | 27.5° | 6823.0 | 6671.4 | 7074.6 | 7835.6 | 8596.5 | 9605.4  | 10614.3 | 11314.2 | 12013.9 | 12398.9 |
| 6670.4 | 30°   | 6520.8 | 6401.9 | 6740.4 | 7559.3 | 8378.2 | 9572.7  | 10766.5 | 11576.0 | 12385.4 | 12757.0 |
| 6344.6 | 32.5° | 6256.1 | 6203.2 | 6476.0 | 7321.2 | 8166.0 | 9532.3  | 10897.9 | 11849.2 | 12800.4 | 13168.3 |
| 6030.4 | 35°   | 6006.1 | 6028.0 | 6255.4 | 7087.1 | 7918.8 | 9456.2  | 10994.2 | 12160.4 | 13326.6 | 13679.3 |
| 5717.1 | 37.5° | 5744.0 | 5824.2 | 6022.9 | 6811.5 | 7600.1 | 9325.8  | 11051.5 | 12509.1 | 13966.6 | 14416.0 |
| 5396.1 | 40°   | 5457.0 | 5580.0 | 5760.2 | 6482.8 | 7205.3 | 9146.3  | 11087.5 | 12951.7 | 14815.5 | 15470.4 |
| 5071.3 | 42.5° | 5152.2 | 5307.1 | 5473.2 | 6120.0 | 6766.7 | 8961.0  | 11155.9 | 13530.7 | 15905.6 | 16850.8 |
| 4770.2 | 45°   | 4849.0 | 4998.9 | 5167.3 | 5734.6 | 6301.9 | 8788.9  | 11276.2 | 14292.7 | 17309.2 | 18584.2 |
| 4512.5 | 47.5° | 4578.5 | 4707.5 | 4924.8 | 5429.7 | 5934.7 | 8646.7  | 11358.7 | 15104.5 | 18850.3 | 20645.1 |
| 4281.7 | 50°   | 4340.4 | 4490.3 | 4775.9 | 5227.3 | 5678.7 | 8491.7  | 11304.8 | 15857.7 | 20410.7 | 23116.3 |
| 4104.9 | 52.5° | 4162.8 | 4372.4 | 4700.8 | 5093.9 | 5487.3 | 8230.0  | 10973.0 | 16346.8 | 21720.3 | 25712.1 |
| 3976.9 | 55°   | 4068.5 | 4384.2 | 4689.7 | 4997.2 | 5304.8 | 7796.1  | 10287.5 | 16239.1 | 22190.2 | 28013.4 |
| 3878.5 | 57.5° | 4011.9 | 4395.9 | 4665.4 | 4882.7 | 5100.0 | 7184.4  | 9268.5  | 15480.5 | 21692.7 | 29644.5 |
| 3785.9 | 60°   | 3958.7 | 4358.9 | 4536.7 | 4707.5 | 4878.3 | 6390.1  | 7901.9  | 14068.7 | 20235.5 | 30052.1 |
| 3680.5 | 62.5° | 3896.7 | 4267.9 | 4289.8 | 4403.0 | 4516.5 | 5439.5  | 6362.5  | 12159.8 | 17957.0 | 28335.8 |
| 3536.3 | 65°   | 3766.0 | 4049.0 | 4046.3 | 4099.8 | 4153.4 | 4584.2  | 5015.1  | 10212.1 | 15409.4 | 25907.4 |
| 3341.6 | 67.5° | 3532.9 | 3691.9 | 3699.3 | 3669.7 | 3639.7 | 3762.3  | 3884.6  | 8304.1  | 12723.6 | 23017.6 |
| 3101.1 | 70°   | 3237.2 | 3289.4 | 3289.4 | 3150.9 | 3012.1 | 2977.5  | 2942.4  | 6538.3  | 10134.2 | 19864.3 |
| 2814.4 | 72.5° | 2907.7 | 2907.0 | 2874.0 | 2677.7 | 2480.9 | 2375.2  | 2269.7  | 4998.6  | 7727.4  | 16445.9 |
| 2462.1 | 75°   | 2533.8 | 2546.6 | 2394.4 | 2174.1 | 1953.8 | 1858.1  | 1762.4  | 3627.9  | 5493.4  | 12527.3 |
| 2101.6 | 77.5° | 2159.2 | 2166.0 | 1915.0 | 1701.1 | 1487.2 | 1421.9  | 1356.8  | 2458.4  | 3559.9  | 8768.0  |
| 1683.9 | 80°   | 1732.1 | 1733.1 | 1433.3 | 1252.4 | 1071.2 | 1044.2  | 1017.3  | 1583.9  | 2150.8  | 5649.0  |
| 1250.4 | 82.5° | 1274.0 | 1259.8 | 1003.8 | 870.4  | 737.0  | 731.6   | 726.9   | 974.2   | 1222.1  | 3269.5  |
| 813.5  | 85°   | 838.8  | 820.2  | 629.9  | 532.2  | 434.5  | 437.2   | 439.6   | 520.8   | 602.3   | 1470.7  |
| 360.4  | 87.5° | 370.5  | 347.0  | 267.8  | 227.7  | 188.0  | 190.3   | 192.7   | 215.9   | 239.2   | 481.7   |
| 0.0    | 90°   | 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):**

| 270°    |       | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8778.4  | 0°    | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  |
| 9440.3  | 2.5°  | 9476.0  | 9512.1  | 9562.9  | 9613.8  | 9644.1  | 9674.4  | 9689.6  | 9704.8  | 9698.0  | 9704.8  |
| 10151.1 | 5°    | 10276.1 | 10401.4 | 10525.3 | 10649.6 | 10717.0 | 10784.4 | 10825.1 | 10866.2 | 10897.2 | 10866.2 |
| 10865.2 | 7.5°  | 11068.7 | 11271.8 | 11454.7 | 11637.6 | 11747.8 | 11857.9 | 11917.6 | 11976.8 | 12005.5 | 11976.8 |
| 11412.6 | 10°   | 11653.1 | 11893.6 | 12108.2 | 12322.8 | 12452.8 | 12582.2 | 12640.1 | 12697.7 | 12719.6 | 12697.7 |
| 11747.8 | 12.5° | 12008.5 | 12268.9 | 12462.9 | 12656.3 | 12750.6 | 12844.9 | 12876.6 | 12908.2 | 12911.6 | 12908.2 |
| 11951.6 | 15°   | 12176.6 | 12401.3 | 12522.9 | 12644.8 | 12648.2 | 12651.6 | 12617.9 | 12584.2 | 12544.4 | 12584.2 |
| 12066.1 | 17.5° | 12218.0 | 12369.9 | 12372.3 | 12374.3 | 12237.9 | 12101.5 | 11976.5 | 11851.2 | 11762.9 | 11851.2 |
| 12192.4 | 20°   | 12245.3 | 12298.5 | 12138.5 | 11978.5 | 11677.4 | 11376.2 | 11156.9 | 10937.6 | 10802.9 | 10937.6 |
| 12339.0 | 22.5° | 12269.6 | 12200.2 | 11868.7 | 11537.2 | 11094.3 | 10651.3 | 10377.1 | 10102.9 | 9954.0  | 10102.9 |
| 12527.6 | 25°   | 12308.6 | 12089.7 | 11586.4 | 11083.2 | 10545.2 | 10007.3 | 9718.9  | 9431.2  | 9290.4  | 9431.2  |
| 12783.6 | 27.5° | 12392.2 | 12000.4 | 11333.8 | 10667.5 | 10071.3 | 9475.0  | 9191.4  | 8908.1  | 8775.0  | 8908.1  |
| 13128.9 | 30°   | 12545.1 | 11961.7 | 11141.1 | 10320.5 | 9699.4  | 9078.2  | 8815.1  | 8552.0  | 8428.1  | 8552.0  |
| 13536.5 | 32.5° | 12737.1 | 11938.1 | 11009.7 | 10081.4 | 9497.6  | 8913.8  | 8707.3  | 8500.5  | 8411.2  | 8500.5  |
| 14031.6 | 35°   | 13053.4 | 12075.5 | 11108.1 | 10141.0 | 9735.4  | 9330.2  | 9282.0  | 9233.8  | 9226.4  | 9233.8  |
| 14865.4 | 37.5° | 13714.7 | 12564.0 | 11684.8 | 10805.6 | 10779.3 | 10753.0 | 10973.4 | 11193.7 | 11308.2 | 11193.7 |
| 16125.2 | 40°   | 14873.8 | 13622.4 | 12968.5 | 12314.7 | 12776.2 | 13237.7 | 13773.3 | 14308.9 | 14575.7 | 14308.9 |
| 17796.0 | 42.5° | 16554.3 | 15312.7 | 14936.1 | 14559.5 | 15566.0 | 16572.5 | 17546.7 | 18520.9 | 19092.9 | 18520.9 |
| 19859.2 | 45°   | 18743.9 | 17628.2 | 17462.2 | 17295.8 | 18908.3 | 20521.1 | 22121.9 | 23722.9 | 24694.8 | 23722.9 |
| 22439.5 | 47.5° | 21354.5 | 20269.2 | 20235.5 | 20201.8 | 22528.1 | 24853.8 | 27197.2 | 29540.4 | 30916.4 | 29540.4 |
| 25821.5 | 50°   | 24481.2 | 23141.2 | 23146.9 | 23152.6 | 26150.6 | 29148.6 | 32242.0 | 35335.3 | 37205.5 | 35335.3 |
| 29703.8 | 52.5° | 28080.8 | 26458.2 | 26294.1 | 26129.8 | 29710.8 | 33291.9 | 37119.3 | 40946.3 | 43188.0 | 40946.3 |
| 33837.0 | 55°   | 32233.5 | 30630.1 | 29990.4 | 29350.8 | 33336.4 | 37321.7 | 41884.4 | 46447.1 | 49113.3 | 46447.1 |
| 37596.3 | 57.5° | 36723.1 | 35849.7 | 34566.6 | 33283.9 | 37308.3 | 41332.6 | 46500.7 | 51668.3 | 54974.6 | 51668.3 |
| 39868.3 | 60°   | 41224.5 | 42581.0 | 40987.7 | 39394.4 | 43202.9 | 47011.3 | 52544.5 | 58077.7 | 61651.0 | 58077.7 |
| 38714.6 | 62.5° | 42420.3 | 46126.1 | 45946.5 | 45766.7 | 49255.4 | 52744.6 | 58008.9 | 63272.9 | 66575.8 | 63272.9 |
| 36405.5 | 65°   | 39883.5 | 43361.5 | 44049.7 | 44737.6 | 49171.2 | 53605.2 | 58709.9 | 63814.3 | 66626.3 | 63814.3 |
| 33311.5 | 67.5° | 36619.4 | 39927.3 | 40250.0 | 40572.4 | 45192.0 | 49811.3 | 54937.8 | 60064.4 | 62267.4 | 60064.4 |
| 29594.3 | 70°   | 33192.2 | 36790.5 | 36934.7 | 37079.2 | 41210.4 | 45341.2 | 49753.0 | 54164.4 | 55388.9 | 54164.4 |
| 25164.7 | 72.5° | 29293.5 | 33422.6 | 33526.4 | 33629.8 | 36861.9 | 40094.0 | 43398.2 | 46702.1 | 46826.1 | 46702.1 |
| 19561.1 | 75°   | 23834.4 | 28107.8 | 28491.4 | 28875.1 | 31389.7 | 33904.3 | 36230.3 | 38556.3 | 37933.1 | 38556.3 |
| 13976.1 | 77.5° | 17965.1 | 21954.5 | 22503.5 | 23052.6 | 24964.2 | 26875.9 | 28525.5 | 30175.4 | 29104.2 | 30175.4 |
| 9147.3  | 80°   | 12503.3 | 15859.1 | 16541.5 | 17224.0 | 18667.8 | 20110.9 | 20977.2 | 21843.3 | 20120.3 | 21843.3 |
| 5317.2  | 82.5° | 7611.6  | 9906.2  | 10668.5 | 11431.1 | 12424.9 | 13418.6 | 13780.0 | 14141.1 | 12787.0 | 14141.1 |
| 2339.5  | 85°   | 3557.2  | 4774.9  | 5423.3  | 6071.8  | 6888.3  | 7704.5  | 7909.7  | 8114.8  | 7030.1  | 8114.8  |
| 724.2   | 87.5° | 1133.5  | 1542.8  | 1904.6  | 2266.4  | 2674.6  | 3082.9  | 3100.4  | 3117.6  | 2617.4  | 3117.6  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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| 8778.4  | 0°    | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  | 8778.4  |
| 9689.6  | 2.5°  | 9674.4  | 9644.1  | 9613.8  | 9562.9  | 9512.1  | 9476.0  | 9440.3  |
| 10825.1 | 5°    | 10784.4 | 10717.0 | 10649.6 | 10525.3 | 10401.4 | 10276.1 | 10151.1 |
| 11917.6 | 7.5°  | 11857.9 | 11747.8 | 11637.6 | 11454.7 | 11271.8 | 11068.7 | 10865.2 |
| 12640.1 | 10°   | 12582.2 | 12452.8 | 12322.8 | 12108.2 | 11893.6 | 11653.1 | 11412.6 |
| 12876.6 | 12.5° | 12844.9 | 12750.6 | 12656.3 | 12462.9 | 12268.9 | 12008.5 | 11747.8 |
| 12617.9 | 15°   | 12651.6 | 12648.2 | 12644.8 | 12522.9 | 12401.3 | 12176.6 | 11951.6 |
| 11976.5 | 17.5° | 12101.5 | 12237.9 | 12374.3 | 12372.3 | 12369.9 | 12218.0 | 12066.1 |
| 11156.9 | 20°   | 11376.2 | 11677.4 | 11978.5 | 12138.5 | 12298.5 | 12245.3 | 12192.4 |
| 10377.1 | 22.5° | 10651.3 | 11094.3 | 11537.2 | 11868.7 | 12200.2 | 12269.6 | 12339.0 |
| 9718.9  | 25°   | 10007.3 | 10545.2 | 11083.2 | 11586.4 | 12089.7 | 12308.6 | 12527.6 |
| 9191.4  | 27.5° | 9475.0  | 10071.3 | 10667.5 | 11333.8 | 12000.4 | 12392.2 | 12783.6 |
| 8815.1  | 30°   | 9078.2  | 9699.4  | 10320.5 | 11141.1 | 11961.7 | 12545.1 | 13128.9 |
| 8707.3  | 32.5° | 8913.8  | 9497.6  | 10081.4 | 11009.7 | 11938.1 | 12737.1 | 13536.5 |
| 9282.0  | 35°   | 9330.2  | 9735.4  | 10141.0 | 11108.1 | 12075.5 | 13053.4 | 14031.6 |
| 10973.4 | 37.5° | 10753.0 | 10779.3 | 10805.6 | 11684.8 | 12564.0 | 13714.7 | 14865.4 |
| 13773.3 | 40°   | 13237.7 | 12776.2 | 12314.7 | 12968.5 | 13622.4 | 14873.8 | 16125.2 |
| 17546.7 | 42.5° | 16572.5 | 15566.0 | 14559.5 | 14936.1 | 15312.7 | 16554.3 | 17796.0 |
| 22121.9 | 45°   | 20521.1 | 18908.3 | 17295.8 | 17462.2 | 17628.2 | 18743.9 | 19859.2 |
| 27197.2 | 47.5° | 24853.8 | 22528.1 | 20201.8 | 20235.5 | 20269.2 | 21354.5 | 22439.5 |
| 32242.0 | 50°   | 29148.6 | 26150.6 | 23152.6 | 23146.9 | 23141.2 | 24481.2 | 25821.5 |
| 37119.3 | 52.5° | 33291.9 | 29710.8 | 26129.8 | 26294.1 | 26458.2 | 28080.8 | 29703.8 |
| 41884.4 | 55°   | 37321.7 | 33336.4 | 29350.8 | 29990.4 | 30630.1 | 32233.5 | 33837.0 |
| 46500.7 | 57.5° | 41332.6 | 37308.3 | 33283.9 | 34566.6 | 35849.7 | 36723.1 | 37596.3 |
| 52544.5 | 60°   | 47011.3 | 43202.9 | 39394.4 | 40987.7 | 42581.0 | 41224.5 | 39868.3 |
| 58008.9 | 62.5° | 52744.6 | 49255.4 | 45766.7 | 45946.5 | 46126.1 | 42420.3 | 38714.6 |
| 58709.9 | 65°   | 53605.2 | 49171.2 | 44737.6 | 44049.7 | 43361.5 | 39883.5 | 36405.5 |
| 54937.8 | 67.5° | 49811.3 | 45192.0 | 40572.4 | 40250.0 | 39927.3 | 36619.4 | 33311.5 |
| 49753.0 | 70°   | 45341.2 | 41210.4 | 37079.2 | 36934.7 | 36790.5 | 33192.2 | 29594.3 |
| 43398.2 | 72.5° | 40094.0 | 36861.9 | 33629.8 | 33526.4 | 33422.6 | 29293.5 | 25164.7 |
| 36230.3 | 75°   | 33904.3 | 31389.7 | 28875.1 | 28491.4 | 28107.8 | 23834.4 | 19561.1 |
| 28525.5 | 77.5° | 26875.9 | 24964.2 | 23052.6 | 22503.5 | 21954.5 | 17965.1 | 13976.1 |
| 20977.2 | 80°   | 20110.9 | 18667.8 | 17224.0 | 16541.5 | 15859.1 | 12503.3 | 9147.3  |
| 13780.0 | 82.5° | 13418.6 | 12424.9 | 11431.1 | 10668.5 | 9906.2  | 7611.6  | 5317.2  |
| 7909.7  | 85°   | 7704.5  | 6888.3  | 6071.8  | 5423.3  | 4774.9  | 3557.2  | 2339.5  |
| 3100.4  | 87.5° | 3082.9  | 2674.6  | 2266.4  | 1904.6  | 1542.8  | 1133.5  | 724.2   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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