

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

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P956224

Luminaire Tested: **GLAN-SB8D-940-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956224  
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: STREETWORKS  
Catalog Number: GLAN-SB8D-940-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59413 lumens  
Efficiency: N/A  
Efficacy: 101.6 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): 584.9  
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



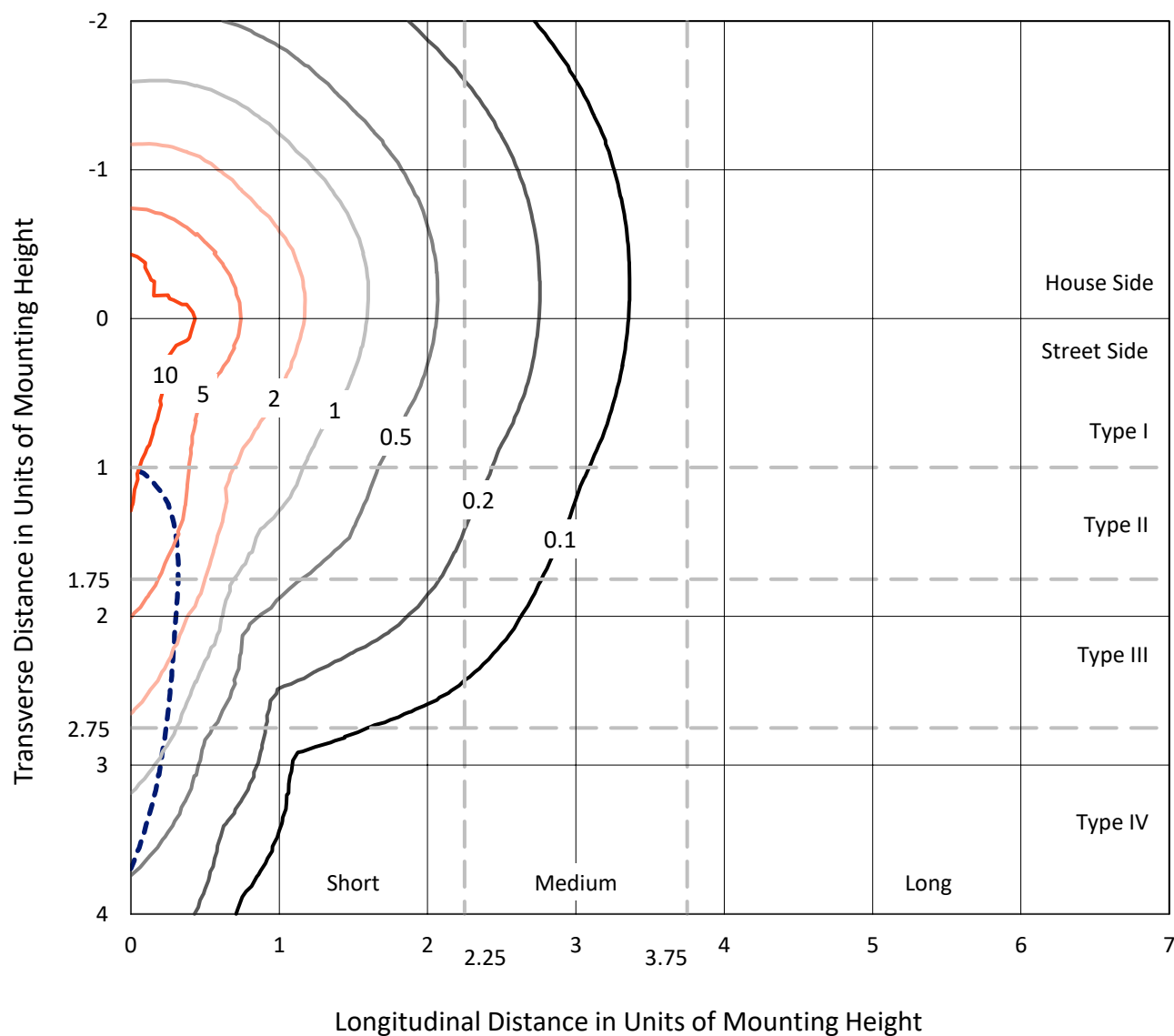
REPORT NUMBER: P956224

CATALOG NUMBER: GLAN-SB8D-940-U-SLR

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

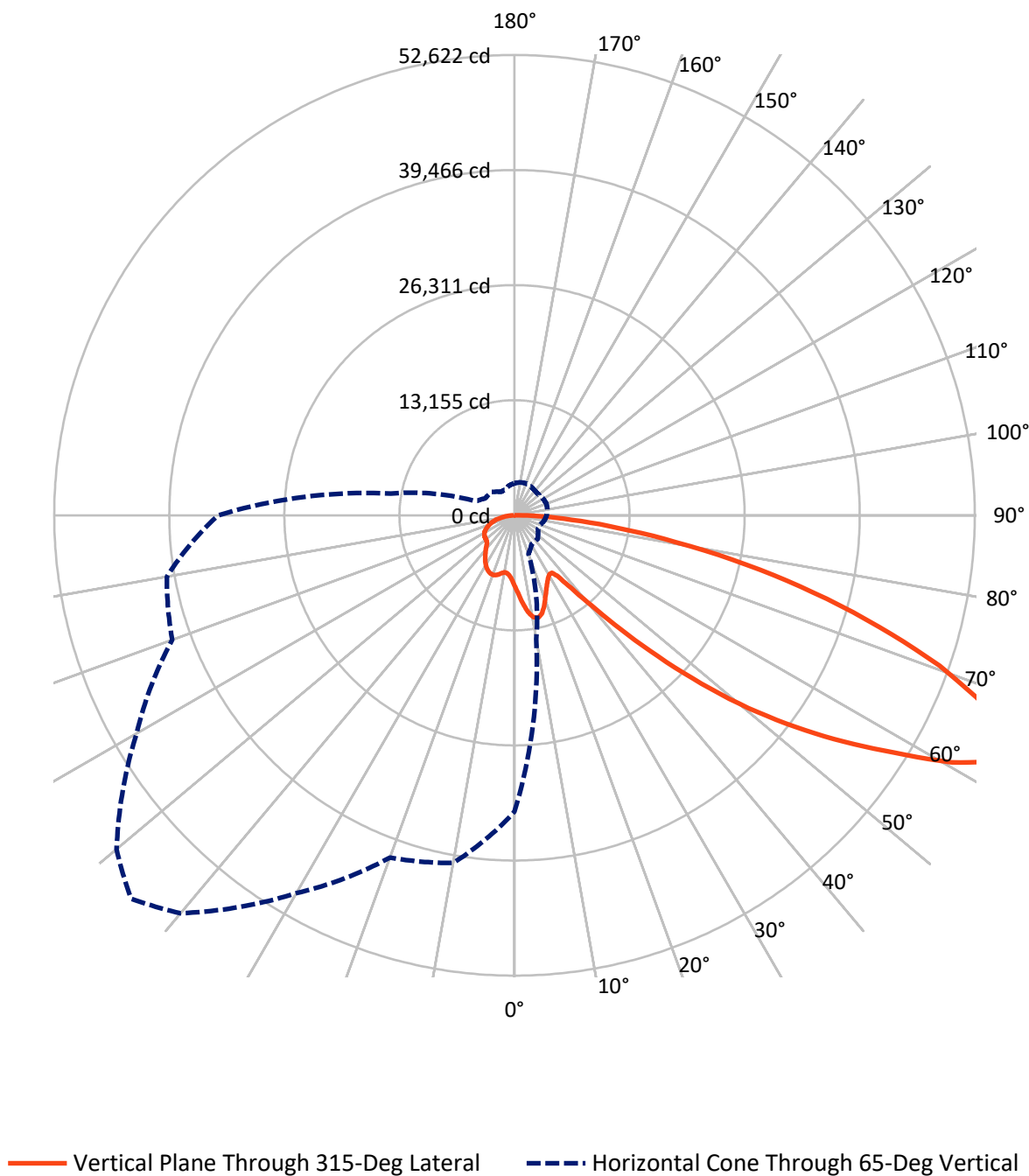


Based on 25 foot mounting height. Maximum calculated value = 16.1 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB8D-940-U-SLR

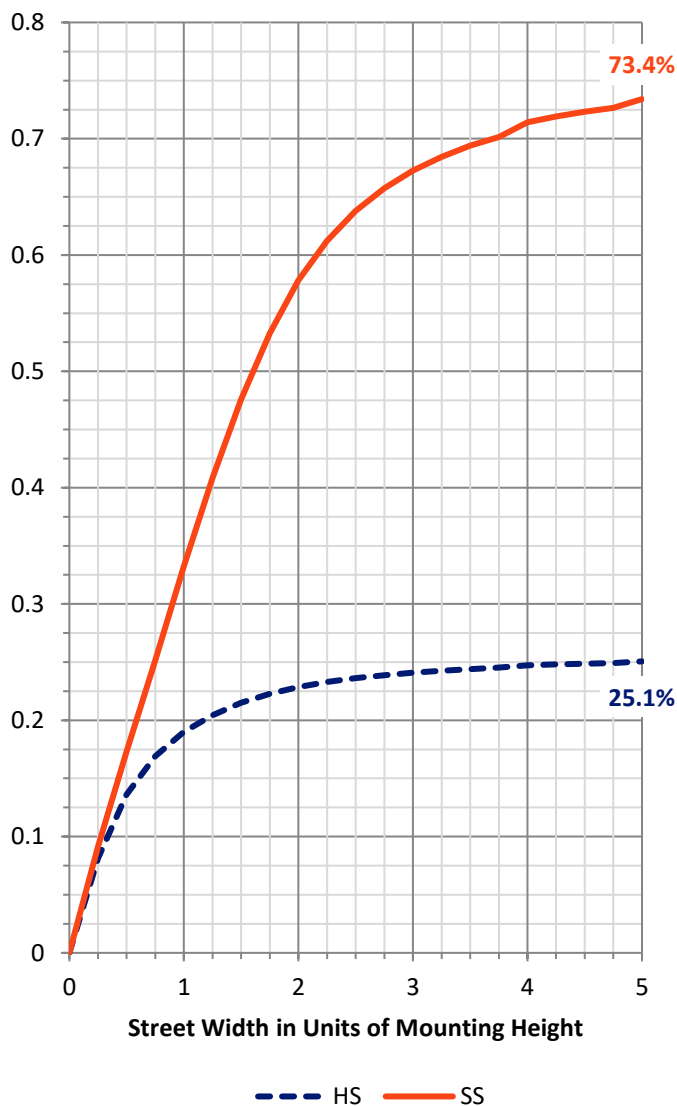
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15099.8  | 0.0    | 15099.8 |
|                    | % Fixture | 25.4     | 0.0    | 25.4    |
| <b>Street Side</b> | Lumens    | 44313.2  | 0.0    | 44313.2 |
|                    | % Fixture | 74.6     | 0.0    | 74.6    |
| <b>Total</b>       | Lumens    | 59413.0  | 0.0    | 59413.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 810.4   | 1.4       |
| 10°-20°   | 2544.1  | 4.3       |
| 20°-30°   | 3929.8  | 6.6       |
| 30°-40°   | 4980.0  | 8.4       |
| 40°-50°   | 7511.2  | 12.6      |
| 50°-60°   | 12135.4 | 20.4      |
| 60°-70°   | 15128.7 | 25.5      |
| 70°-80°   | 9920.7  | 16.7      |
| 80°-90°   | 2452.6  | 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°    | 59413.0 | 100.0     |
| 0°-180°   | 59413.0 | 100.0     |

**Coefficient of Utilization**



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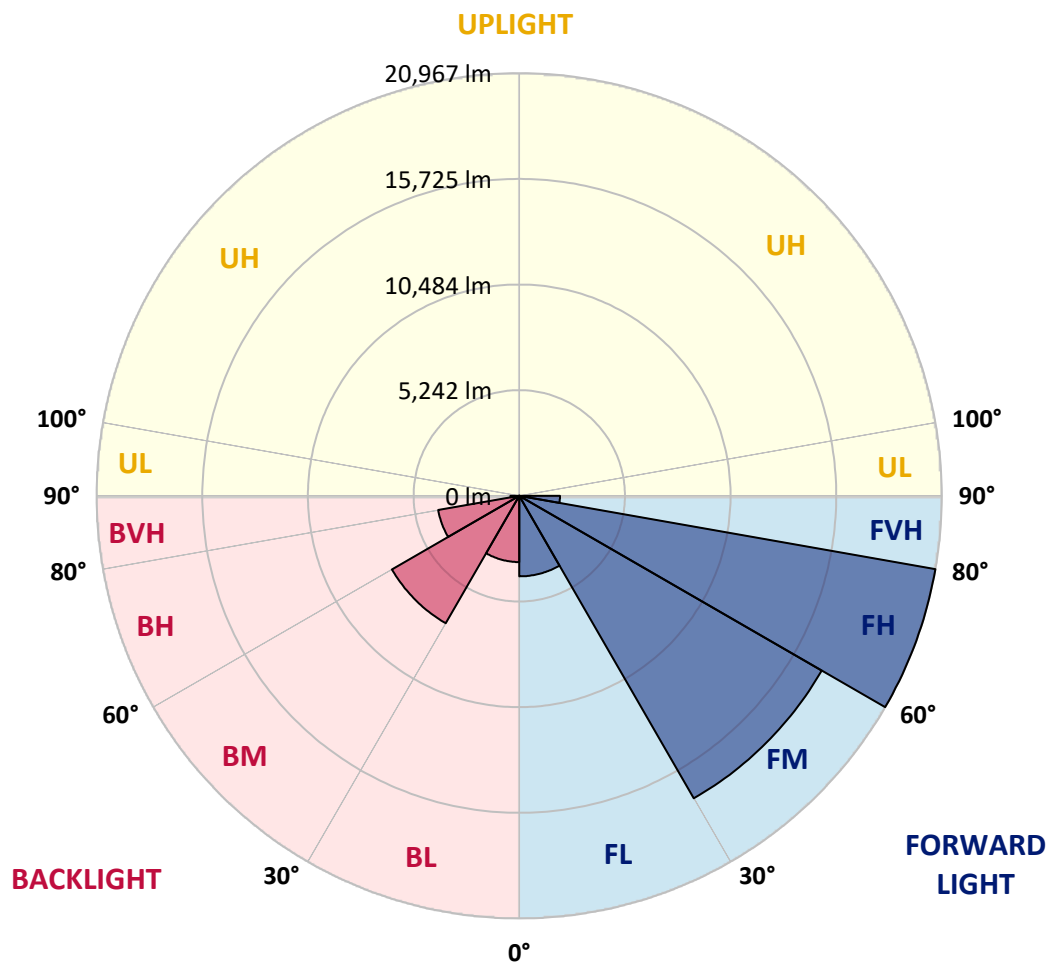
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3996.2  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 17329.5 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 20967.1 | 35.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 2020.4  | 3.4       |                         |      | G5      |
| BL   | (0°-30°)    | 3288.2  | 5.5       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7297.1  | 12.3      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4082.3  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 432.2   | 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°    | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 |
| 2.5°  | 8785.8  | 8718.4  | 8651.0  | 8579.2  | 8507.8  | 8435.6 | 8363.5 | 8294.6 | 8225.6 | 8158.8 |
| 5°    | 9447.3  | 9298.4  | 9149.5  | 9000.9  | 8852.6  | 8703.1 | 8553.8 | 8414.3 | 8274.8 | 8143.2 |
| 7.5°  | 10111.9 | 9866.1  | 9620.7  | 9393.7  | 9166.7  | 8945.7 | 8724.7 | 8530.0 | 8335.3 | 8155.7 |
| 10°   | 10621.4 | 10310.7 | 10000.0 | 9700.0  | 9400.3  | 9131.9 | 8863.3 | 8633.2 | 8402.4 | 8180.8 |
| 12.5° | 10933.3 | 10591.9 | 10250.8 | 9911.0  | 9571.1  | 9254.5 | 8937.9 | 8677.4 | 8416.8 | 8183.9 |
| 15°   | 11123.0 | 10767.1 | 10411.3 | 10042.6 | 9674.0  | 9309.4 | 8944.8 | 8643.2 | 8341.6 | 8083.6 |
| 17.5° | 11229.6 | 10868.7 | 10507.9 | 10105.7 | 9703.4  | 9280.2 | 8857.0 | 8494.3 | 8131.6 | 7828.1 |
| 20°   | 11347.1 | 10972.2 | 10596.9 | 10154.9 | 9712.8  | 9200.0 | 8687.1 | 8237.5 | 7788.0 | 7434.6 |
| 22.5° | 11483.5 | 11100.4 | 10717.0 | 10221.3 | 9725.4  | 9101.5 | 8477.7 | 7936.2 | 7394.8 | 6992.6 |
| 25°   | 11659.0 | 11283.5 | 10908.2 | 10341.7 | 9774.9  | 9004.3 | 8234.1 | 7599.9 | 6966.0 | 6553.7 |
| 27.5° | 11897.3 | 11539.3 | 11181.0 | 10529.8 | 9878.4  | 8939.4 | 8000.5 | 7292.3 | 6584.1 | 6208.9 |
| 30°   | 12218.6 | 11872.5 | 11526.8 | 10773.4 | 10020.1 | 8909.0 | 7797.4 | 7035.2 | 6273.1 | 5958.1 |
| 32.5° | 12598.0 | 12255.3 | 11913.0 | 11027.7 | 10142.3 | 8871.4 | 7599.9 | 6813.6 | 6027.0 | 5773.1 |
| 35°   | 13058.8 | 12730.9 | 12402.7 | 11317.3 | 10232.0 | 8800.6 | 7369.7 | 6595.7 | 5821.7 | 5610.1 |
| 37.5° | 13834.7 | 13416.5 | 12998.3 | 11641.8 | 10285.3 | 8679.2 | 7073.2 | 6339.3 | 5605.4 | 5420.4 |
| 40°   | 15007.2 | 14397.8 | 13788.3 | 12053.7 | 10318.8 | 8512.1 | 6705.8 | 6033.3 | 5360.8 | 5193.1 |
| 42.5° | 16562.2 | 15682.5 | 14802.8 | 12592.7 | 10382.5 | 8339.7 | 6297.6 | 5695.7 | 5093.7 | 4939.2 |
| 45°   | 18482.4 | 17295.8 | 16109.2 | 13301.8 | 10494.4 | 8179.5 | 5865.0 | 5337.0 | 4809.1 | 4652.3 |
| 47.5° | 20883.8 | 19213.8 | 17543.4 | 14057.3 | 10571.2 | 8047.2 | 5523.2 | 5053.3 | 4583.4 | 4381.2 |
| 50°   | 24031.3 | 21513.6 | 18995.6 | 14758.3 | 10521.0 | 7903.0 | 5285.0 | 4864.9 | 4444.8 | 4178.9 |
| 52.5° | 27644.4 | 23929.4 | 20214.5 | 15213.5 | 10212.2 | 7659.4 | 5106.9 | 4740.7 | 4374.9 | 4069.2 |
| 55°   | 31491.0 | 26071.3 | 20651.8 | 15113.2 | 9574.3  | 7255.6 | 4937.0 | 4650.8 | 4364.5 | 4080.2 |
| 57.5° | 34989.7 | 27589.2 | 20188.7 | 14407.2 | 8625.9  | 6686.3 | 4746.4 | 4544.2 | 4342.0 | 4091.2 |
| 60°   | 37104.2 | 27968.6 | 18832.5 | 13093.3 | 7354.1  | 5947.1 | 4540.1 | 4381.2 | 4222.2 | 4056.7 |
| 62.5° | 36030.5 | 26371.3 | 16712.0 | 11316.7 | 5921.4  | 5062.4 | 4203.4 | 4097.8 | 3992.4 | 3972.0 |
| 65°   | 33881.5 | 24111.3 | 14341.0 | 9504.1  | 4667.4  | 4266.4 | 3865.4 | 3815.6 | 3765.8 | 3768.3 |
| 67.5° | 31002.0 | 21421.7 | 11841.5 | 7728.4  | 3615.3  | 3501.5 | 3387.4 | 3415.3 | 3442.9 | 3436.0 |
| 70°   | 27542.5 | 18487.1 | 9431.6  | 6085.0  | 2738.4  | 2771.0 | 2803.3 | 2932.5 | 3061.3 | 3061.3 |
| 72.5° | 23420.0 | 15305.7 | 7191.7  | 4652.0  | 2112.4  | 2210.5 | 2308.9 | 2492.0 | 2674.8 | 2705.5 |
| 75°   | 18204.9 | 11658.7 | 5112.6  | 3376.4  | 1640.2  | 1729.3 | 1818.3 | 2023.3 | 2228.4 | 2370.1 |
| 77.5° | 13007.1 | 8160.1  | 3313.1  | 2287.9  | 1262.8  | 1323.3 | 1384.1 | 1583.2 | 1782.2 | 2015.8 |
| 80°   | 8513.1  | 5257.4  | 2001.7  | 1474.1  | 946.8   | 971.8  | 996.9  | 1165.6 | 1333.9 | 1613.0 |
| 82.5° | 4948.6  | 3042.8  | 1137.4  | 906.6   | 676.5   | 680.9  | 685.9  | 810.1  | 934.2  | 1172.5 |
| 85°   | 2177.3  | 1368.7  | 560.5   | 484.7   | 409.1   | 406.9  | 404.4  | 495.3  | 586.2  | 763.4  |
| 87.5° | 674.0   | 448.3   | 222.6   | 201.0   | 179.3   | 177.1  | 174.9  | 211.9  | 249.2  | 322.9  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8169.8 | 0°    | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 |
| 8084.5 | 2.5°  | 8024.3 | 7964.5 | 7910.2 | 7856.3 | 7809.0 | 7761.6 | 7714.0 | 7666.6 | 7630.0 | 7593.0 |
| 8013.0 | 5°    | 7899.6 | 7785.8 | 7690.5 | 7595.5 | 7511.5 | 7427.4 | 7351.3 | 7274.8 | 7216.1 | 7157.2 |
| 7987.3 | 7.5°  | 7836.2 | 7685.4 | 7560.0 | 7434.6 | 7329.0 | 7223.0 | 7129.6 | 7036.5 | 6966.6 | 6897.0 |
| 7999.9 | 10°   | 7840.6 | 7681.4 | 7556.0 | 7430.6 | 7316.8 | 7202.7 | 7097.6 | 6992.6 | 6909.2 | 6825.5 |
| 8015.6 | 12.5° | 7885.1 | 7755.4 | 7672.0 | 7589.2 | 7499.5 | 7410.5 | 7301.7 | 7193.2 | 7086.7 | 6980.1 |
| 7948.8 | 15°   | 7886.4 | 7824.3 | 7835.6 | 7846.9 | 7823.7 | 7800.5 | 7706.1 | 7611.8 | 7460.0 | 7308.3 |
| 7745.0 | 17.5° | 7767.9 | 7790.5 | 7927.2 | 8063.8 | 8136.6 | 8209.0 | 8132.8 | 8056.9 | 7856.0 | 7655.0 |
| 7412.7 | 20°   | 7519.3 | 7625.9 | 7863.2 | 8100.8 | 8252.9 | 8404.9 | 8369.8 | 8334.4 | 8104.6 | 7875.1 |
| 7035.6 | 22.5° | 7193.2 | 7350.9 | 7621.8 | 7893.3 | 8091.1 | 8288.9 | 8310.2 | 8331.3 | 8111.8 | 7892.4 |
| 6669.7 | 25°   | 6851.5 | 7033.4 | 7277.0 | 7520.9 | 7715.5 | 7910.2 | 7983.0 | 8055.4 | 7875.4 | 7695.8 |
| 6349.9 | 27.5° | 6525.5 | 6701.1 | 6901.4 | 7101.4 | 7257.5 | 7413.6 | 7494.5 | 7575.7 | 7447.5 | 7319.6 |
| 6068.7 | 30°   | 6207.9 | 6347.7 | 6513.9 | 6680.0 | 6809.5 | 6939.3 | 7005.1 | 7071.0 | 6973.5 | 6875.7 |
| 5822.3 | 32.5° | 5904.8 | 5987.2 | 6119.8 | 6252.7 | 6376.9 | 6501.4 | 6574.4 | 6647.8 | 6558.1 | 6468.1 |
| 5589.7 | 35°   | 5612.3 | 5635.2 | 5736.4 | 5837.4 | 5960.3 | 6083.5 | 6171.2 | 6259.0 | 6195.1 | 6131.4 |
| 5345.8 | 37.5° | 5320.7 | 5295.6 | 5368.4 | 5440.8 | 5563.4 | 5686.3 | 5794.7 | 5903.2 | 5873.7 | 5844.3 |
| 5078.7 | 40°   | 5021.9 | 4965.2 | 5017.6 | 5069.9 | 5188.4 | 5306.9 | 5431.7 | 5556.8 | 5564.0 | 5570.9 |
| 4795.0 | 42.5° | 4719.7 | 4644.5 | 4687.1 | 4730.1 | 4842.3 | 4954.9 | 5089.7 | 5224.5 | 5260.5 | 5296.6 |
| 4512.8 | 45°   | 4439.5 | 4366.4 | 4402.2 | 4438.5 | 4545.1 | 4651.7 | 4791.5 | 4931.3 | 4983.1 | 5034.8 |
| 4261.1 | 47.5° | 4199.6 | 4138.2 | 4172.1 | 4205.6 | 4310.0 | 4414.1 | 4552.0 | 4690.0 | 4749.5 | 4809.1 |
| 4039.4 | 50°   | 3984.9 | 3930.7 | 3983.3 | 4036.3 | 4134.7 | 4232.9 | 4356.4 | 4479.9 | 4556.4 | 4632.9 |
| 3874.2 | 52.5° | 3820.3 | 3766.7 | 3846.0 | 3925.0 | 4015.3 | 4105.3 | 4220.3 | 4335.7 | 4426.3 | 4516.9 |
| 3786.4 | 55°   | 3701.2 | 3616.2 | 3728.8 | 3841.0 | 3938.2 | 4035.4 | 4136.3 | 4236.9 | 4332.9 | 4429.1 |
| 3733.8 | 57.5° | 3609.6 | 3485.5 | 3606.5 | 3727.5 | 3841.6 | 3955.7 | 4055.4 | 4155.4 | 4252.3 | 4348.9 |
| 3684.2 | 60°   | 3523.4 | 3362.3 | 3468.6 | 3574.5 | 3705.6 | 3836.6 | 3937.9 | 4039.4 | 4136.6 | 4233.8 |
| 3626.6 | 62.5° | 3425.3 | 3224.3 | 3291.7 | 3359.1 | 3511.8 | 3664.8 | 3773.0 | 3881.1 | 3970.2 | 4059.2 |
| 3504.9 | 65°   | 3291.1 | 3077.0 | 3103.0 | 3128.7 | 3292.4 | 3456.3 | 3559.8 | 3663.2 | 3741.6 | 3820.0 |
| 3288.0 | 67.5° | 3109.9 | 2931.8 | 2923.7 | 2915.5 | 3066.7 | 3218.1 | 3316.2 | 3414.0 | 3481.7 | 3549.4 |
| 3012.7 | 70°   | 2886.1 | 2759.4 | 2731.2 | 2703.0 | 2835.9 | 2968.8 | 3053.5 | 3138.1 | 3199.3 | 3260.4 |
| 2706.1 | 72.5° | 2619.3 | 2532.4 | 2491.1 | 2450.0 | 2554.7 | 2659.1 | 2735.6 | 2812.1 | 2872.0 | 2931.8 |
| 2358.1 | 75°   | 2291.4 | 2224.3 | 2184.8 | 2145.0 | 2222.7 | 2300.5 | 2369.7 | 2439.0 | 2493.6 | 2548.1 |
| 2009.5 | 77.5° | 1955.9 | 1902.3 | 1862.2 | 1822.1 | 1885.4 | 1948.4 | 2008.0 | 2067.5 | 2124.9 | 2182.0 |
| 1612.0 | 80°   | 1567.2 | 1522.0 | 1488.5 | 1454.6 | 1507.3 | 1559.7 | 1609.8 | 1660.0 | 1703.6 | 1746.8 |
| 1185.7 | 82.5° | 1163.7 | 1141.8 | 1117.9 | 1094.1 | 1089.7 | 1085.3 | 1067.8 | 1050.2 | 1143.0 | 1235.8 |
| 780.6  | 85°   | 757.1  | 733.6  | 706.9  | 680.3  | 657.7  | 634.8  | 586.2  | 537.7  | 624.5  | 711.6  |
| 344.8  | 87.5° | 335.4  | 326.0  | 321.0  | 316.0  | 315.1  | 314.1  | 277.1  | 239.8  | 276.2  | 312.9  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8169.8 | 0°    | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 |
| 7563.2 | 2.5°  | 7533.4 | 7510.2 | 7487.0 | 7465.7 | 7444.0 | 7417.4 | 7444.0 | 7465.7 | 7487.0 | 7510.2 |
| 7116.1 | 5°    | 7075.1 | 7045.9 | 7016.7 | 6994.5 | 6972.2 | 6950.3 | 6972.2 | 6994.5 | 7016.7 | 7045.9 |
| 6848.1 | 7.5°  | 6799.2 | 6765.6 | 6732.4 | 6712.3 | 6692.6 | 6677.5 | 6692.6 | 6712.3 | 6732.4 | 6765.6 |
| 6771.0 | 10°   | 6715.8 | 6684.1 | 6652.5 | 6635.5 | 6618.6 | 6611.7 | 6618.6 | 6635.5 | 6652.5 | 6684.1 |
| 6909.5 | 12.5° | 6839.0 | 6803.6 | 6768.5 | 6754.0 | 6739.6 | 6737.1 | 6739.6 | 6754.0 | 6768.5 | 6803.6 |
| 7201.1 | 15°   | 7093.9 | 7044.6 | 6995.7 | 6976.9 | 6958.1 | 6956.6 | 6958.1 | 6976.9 | 6995.7 | 7044.6 |
| 7497.0 | 17.5° | 7339.0 | 7266.3 | 7193.2 | 7169.4 | 7145.3 | 7141.5 | 7145.3 | 7169.4 | 7193.2 | 7266.3 |
| 7681.4 | 20°   | 7487.9 | 7394.8 | 7301.4 | 7271.6 | 7241.8 | 7232.4 | 7241.8 | 7271.6 | 7301.4 | 7394.8 |
| 7693.0 | 22.5° | 7493.3 | 7395.1 | 7296.7 | 7263.8 | 7230.9 | 7216.8 | 7230.9 | 7263.8 | 7296.7 | 7395.1 |
| 7518.3 | 25°   | 7341.5 | 7256.3 | 7171.3 | 7140.3 | 7109.5 | 7091.4 | 7109.5 | 7140.3 | 7171.3 | 7256.3 |
| 7182.0 | 27.5° | 7044.3 | 6987.3 | 6929.9 | 6915.8 | 6901.7 | 6897.0 | 6901.7 | 6915.8 | 6929.9 | 6987.3 |
| 6777.2 | 30°   | 6678.2 | 6649.0 | 6619.5 | 6619.5 | 6619.5 | 6624.2 | 6619.5 | 6619.5 | 6619.5 | 6649.0 |
| 6389.4 | 32.5° | 6310.7 | 6291.6 | 6272.5 | 6275.0 | 6277.8 | 6282.5 | 6277.8 | 6275.0 | 6272.5 | 6291.6 |
| 6058.7 | 35°   | 5986.3 | 5957.1 | 5928.3 | 5922.0 | 5915.7 | 5912.6 | 5915.7 | 5922.0 | 5928.3 | 5957.1 |
| 5777.5 | 37.5° | 5710.4 | 5657.4 | 5604.7 | 5576.8 | 5548.9 | 5533.3 | 5548.9 | 5576.8 | 5604.7 | 5657.4 |
| 5514.1 | 40°   | 5457.4 | 5380.3 | 5303.8 | 5251.7 | 5200.3 | 5169.6 | 5200.3 | 5251.7 | 5303.8 | 5380.3 |
| 5248.6 | 42.5° | 5201.0 | 5105.3 | 5009.7 | 4934.2 | 4858.6 | 4809.1 | 4858.6 | 4934.2 | 5009.7 | 5105.3 |
| 4991.5 | 45°   | 4948.6 | 4839.2 | 4730.1 | 4641.4 | 4552.6 | 4495.6 | 4552.6 | 4641.4 | 4730.1 | 4839.2 |
| 4779.0 | 47.5° | 4748.9 | 4651.7 | 4554.5 | 4472.4 | 4390.6 | 4335.7 | 4390.6 | 4472.4 | 4554.5 | 4651.7 |
| 4631.0 | 50°   | 4629.8 | 4552.0 | 4474.3 | 4398.4 | 4322.5 | 4269.9 | 4322.5 | 4398.4 | 4474.3 | 4552.0 |
| 4533.2 | 52.5° | 4549.5 | 4486.2 | 4422.9 | 4354.8 | 4287.1 | 4238.5 | 4287.1 | 4354.8 | 4422.9 | 4486.2 |
| 4451.7 | 55°   | 4474.3 | 4419.1 | 4363.9 | 4304.3 | 4244.8 | 4200.9 | 4244.8 | 4304.3 | 4363.9 | 4419.1 |
| 4371.8 | 57.5° | 4394.6 | 4338.8 | 4283.0 | 4224.1 | 4164.8 | 4119.4 | 4164.8 | 4224.1 | 4283.0 | 4338.8 |
| 4258.9 | 60°   | 4284.0 | 4229.4 | 4175.2 | 4114.4 | 4053.5 | 4006.5 | 4053.5 | 4114.4 | 4175.2 | 4229.4 |
| 4083.3 | 62.5° | 4107.5 | 4058.3 | 4009.0 | 3945.1 | 3881.1 | 3824.7 | 3881.1 | 3945.1 | 4009.0 | 4058.3 |
| 3844.8 | 65°   | 3869.2 | 3821.9 | 3774.5 | 3712.5 | 3650.7 | 3602.1 | 3650.7 | 3712.5 | 3774.5 | 3821.9 |
| 3573.6 | 67.5° | 3597.4 | 3553.8 | 3510.6 | 3452.9 | 3395.2 | 3351.3 | 3395.2 | 3452.9 | 3510.6 | 3553.8 |
| 3283.6 | 70°   | 3306.8 | 3271.4 | 3235.9 | 3180.8 | 3125.6 | 3075.4 | 3125.6 | 3180.8 | 3235.9 | 3271.4 |
| 2959.4 | 72.5° | 2987.0 | 2957.6 | 2928.1 | 2875.4 | 2823.1 | 2774.5 | 2823.1 | 2875.4 | 2928.1 | 2957.6 |
| 2577.0 | 75°   | 2605.8 | 2591.4 | 2577.0 | 2532.8 | 2488.6 | 2442.2 | 2488.6 | 2532.8 | 2577.0 | 2591.4 |
| 2208.9 | 77.5° | 2235.9 | 2215.8 | 2195.1 | 2150.6 | 2106.1 | 2069.1 | 2106.1 | 2150.6 | 2195.1 | 2215.8 |
| 1782.6 | 80°   | 1818.3 | 1809.5 | 1801.1 | 1741.2 | 1681.0 | 1611.4 | 1681.0 | 1741.2 | 1801.1 | 1809.5 |
| 1296.6 | 82.5° | 1357.5 | 1353.7 | 1349.6 | 1299.1 | 1248.4 | 1203.8 | 1248.4 | 1299.1 | 1349.6 | 1353.7 |
| 786.9  | 85°   | 862.1  | 855.9  | 849.6  | 810.1  | 770.6  | 730.5  | 770.6  | 810.1  | 849.6  | 855.9  |
| 343.3  | 87.5° | 373.7  | 366.2  | 358.0  | 338.0  | 317.3  | 297.8  | 317.3  | 338.0  | 358.0  | 366.2  |
| 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):**

| 160°   |       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8169.8 | 0°    | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 |
| 7533.4 | 2.5°  | 7563.2 | 7593.0 | 7630.0 | 7666.6 | 7714.0 | 7761.6 | 7809.0 | 7856.3 | 7910.2 | 7964.5 |
| 7075.1 | 5°    | 7116.1 | 7157.2 | 7216.1 | 7274.8 | 7351.3 | 7427.4 | 7511.5 | 7595.5 | 7690.5 | 7785.8 |
| 6799.2 | 7.5°  | 6848.1 | 6897.0 | 6966.6 | 7036.5 | 7129.6 | 7223.0 | 7329.0 | 7434.6 | 7560.0 | 7685.4 |
| 6715.8 | 10°   | 6771.0 | 6825.5 | 6909.2 | 6992.6 | 7097.6 | 7202.7 | 7316.8 | 7430.6 | 7556.0 | 7681.4 |
| 6839.0 | 12.5° | 6909.5 | 6980.1 | 7086.7 | 7193.2 | 7301.7 | 7410.5 | 7499.5 | 7589.2 | 7672.0 | 7755.4 |
| 7093.9 | 15°   | 7201.1 | 7308.3 | 7460.0 | 7611.8 | 7706.1 | 7800.5 | 7823.7 | 7846.9 | 7835.6 | 7824.3 |
| 7339.0 | 17.5° | 7497.0 | 7655.0 | 7856.0 | 8056.9 | 8132.8 | 8209.0 | 8136.6 | 8063.8 | 7927.2 | 7790.5 |
| 7487.9 | 20°   | 7681.4 | 7875.1 | 8104.6 | 8334.4 | 8369.8 | 8404.9 | 8252.9 | 8100.8 | 7863.2 | 7625.9 |
| 7493.3 | 22.5° | 7693.0 | 7892.4 | 8111.8 | 8331.3 | 8310.2 | 8288.9 | 8091.1 | 7893.3 | 7621.8 | 7350.9 |
| 7341.5 | 25°   | 7518.3 | 7695.8 | 7875.4 | 8055.4 | 7983.0 | 7910.2 | 7715.5 | 7520.9 | 7277.0 | 7033.4 |
| 7044.3 | 27.5° | 7182.0 | 7319.6 | 7447.5 | 7575.7 | 7494.5 | 7413.6 | 7257.5 | 7101.4 | 6901.4 | 6701.1 |
| 6678.2 | 30°   | 6777.2 | 6875.7 | 6973.5 | 7071.0 | 7005.1 | 6939.3 | 6809.5 | 6680.0 | 6513.9 | 6347.7 |
| 6310.7 | 32.5° | 6389.4 | 6468.1 | 6558.1 | 6647.8 | 6574.4 | 6501.4 | 6376.9 | 6252.7 | 6119.8 | 5987.2 |
| 5986.3 | 35°   | 6058.7 | 6131.4 | 6195.1 | 6259.0 | 6171.2 | 6083.5 | 5960.3 | 5837.4 | 5736.4 | 5635.2 |
| 5710.4 | 37.5° | 5777.5 | 5844.3 | 5873.7 | 5903.2 | 5794.7 | 5686.3 | 5563.4 | 5440.8 | 5368.4 | 5295.6 |
| 5457.4 | 40°   | 5514.1 | 5570.9 | 5564.0 | 5556.8 | 5431.7 | 5306.9 | 5188.4 | 5069.9 | 5017.6 | 4965.2 |
| 5201.0 | 42.5° | 5248.6 | 5296.6 | 5260.5 | 5224.5 | 5089.7 | 4954.9 | 4842.3 | 4730.1 | 4687.1 | 4644.5 |
| 4948.6 | 45°   | 4991.5 | 5034.8 | 4983.1 | 4931.3 | 4791.5 | 4651.7 | 4545.1 | 4438.5 | 4402.2 | 4366.4 |
| 4748.9 | 47.5° | 4779.0 | 4809.1 | 4749.5 | 4690.0 | 4552.0 | 4414.1 | 4310.0 | 4205.6 | 4172.1 | 4138.2 |
| 4629.8 | 50°   | 4631.0 | 4632.9 | 4556.4 | 4479.9 | 4356.4 | 4232.9 | 4134.7 | 4036.3 | 3983.3 | 3930.7 |
| 4549.5 | 52.5° | 4533.2 | 4516.9 | 4426.3 | 4335.7 | 4220.3 | 4105.3 | 4015.3 | 3925.0 | 3846.0 | 3766.7 |
| 4474.3 | 55°   | 4451.7 | 4429.1 | 4332.9 | 4236.9 | 4136.3 | 4035.4 | 3938.2 | 3841.0 | 3728.8 | 3616.2 |
| 4394.6 | 57.5° | 4371.8 | 4348.9 | 4252.3 | 4155.4 | 4055.4 | 3955.7 | 3841.6 | 3727.5 | 3606.5 | 3485.5 |
| 4284.0 | 60°   | 4258.9 | 4233.8 | 4136.6 | 4039.4 | 3937.9 | 3836.6 | 3705.6 | 3574.5 | 3468.6 | 3362.3 |
| 4107.5 | 62.5° | 4083.3 | 4059.2 | 3970.2 | 3881.1 | 3773.0 | 3664.8 | 3511.8 | 3359.1 | 3291.7 | 3224.3 |
| 3869.2 | 65°   | 3844.8 | 3820.0 | 3741.6 | 3663.2 | 3559.8 | 3456.3 | 3292.4 | 3128.7 | 3103.0 | 3077.0 |
| 3597.4 | 67.5° | 3573.6 | 3549.4 | 3481.7 | 3414.0 | 3316.2 | 3218.1 | 3066.7 | 2915.5 | 2923.7 | 2931.8 |
| 3306.8 | 70°   | 3283.6 | 3260.4 | 3199.3 | 3138.1 | 3053.5 | 2968.8 | 2835.9 | 2703.0 | 2731.2 | 2759.4 |
| 2987.0 | 72.5° | 2959.4 | 2931.8 | 2872.0 | 2812.1 | 2735.6 | 2659.1 | 2554.7 | 2450.0 | 2491.1 | 2532.4 |
| 2605.8 | 75°   | 2577.0 | 2548.1 | 2493.6 | 2439.0 | 2369.7 | 2300.5 | 2222.7 | 2145.0 | 2184.8 | 2224.3 |
| 2235.9 | 77.5° | 2208.9 | 2182.0 | 2124.9 | 2067.5 | 2008.0 | 1948.4 | 1885.4 | 1822.1 | 1862.2 | 1902.3 |
| 1818.3 | 80°   | 1782.6 | 1746.8 | 1703.6 | 1660.0 | 1609.8 | 1559.7 | 1507.3 | 1454.6 | 1488.5 | 1522.0 |
| 1357.5 | 82.5° | 1296.6 | 1235.8 | 1143.0 | 1050.2 | 1067.8 | 1085.3 | 1089.7 | 1094.1 | 1117.9 | 1141.8 |
| 862.1  | 85°   | 786.9  | 711.6  | 624.5  | 537.7  | 586.2  | 634.8  | 657.7  | 680.3  | 706.9  | 733.6  |
| 373.7  | 87.5° | 343.3  | 312.9  | 276.2  | 239.8  | 277.1  | 314.1  | 315.1  | 316.0  | 321.0  | 326.0  |
| 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°    |
|--------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 8169.8 | 0°    | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8 | 8169.8  | 8169.8  | 8169.8  | 8169.8  |
| 8024.3 | 2.5°  | 8084.5 | 8158.8 | 8225.6 | 8294.6 | 8363.5 | 8435.6 | 8507.8  | 8579.2  | 8651.0  | 8718.4  |
| 7899.6 | 5°    | 8013.0 | 8143.2 | 8274.8 | 8414.3 | 8553.8 | 8703.1 | 8852.6  | 9000.9  | 9149.5  | 9298.4  |
| 7836.2 | 7.5°  | 7987.3 | 8155.7 | 8335.3 | 8530.0 | 8724.7 | 8945.7 | 9166.7  | 9393.7  | 9620.7  | 9866.1  |
| 7840.6 | 10°   | 7999.9 | 8180.8 | 8402.4 | 8633.2 | 8863.3 | 9131.9 | 9400.3  | 9700.0  | 10000.0 | 10310.7 |
| 7885.1 | 12.5° | 8015.6 | 8183.9 | 8416.8 | 8677.4 | 8937.9 | 9254.5 | 9571.1  | 9911.0  | 10250.8 | 10591.9 |
| 7886.4 | 15°   | 7948.8 | 8083.6 | 8341.6 | 8643.2 | 8944.8 | 9309.4 | 9674.0  | 10042.6 | 10411.3 | 10767.1 |
| 7767.9 | 17.5° | 7745.0 | 7828.1 | 8131.6 | 8494.3 | 8857.0 | 9280.2 | 9703.4  | 10105.7 | 10507.9 | 10868.7 |
| 7519.3 | 20°   | 7412.7 | 7434.6 | 7788.0 | 8237.5 | 8687.1 | 9200.0 | 9712.8  | 10154.9 | 10596.9 | 10972.2 |
| 7193.2 | 22.5° | 7035.6 | 6992.6 | 7394.8 | 7936.2 | 8477.7 | 9101.5 | 9725.4  | 10221.3 | 10717.0 | 11100.4 |
| 6851.5 | 25°   | 6669.7 | 6553.7 | 6966.0 | 7599.9 | 8234.1 | 9004.3 | 9774.9  | 10341.7 | 10908.2 | 11283.5 |
| 6525.5 | 27.5° | 6349.9 | 6208.9 | 6584.1 | 7292.3 | 8000.5 | 8939.4 | 9878.4  | 10529.8 | 11181.0 | 11539.3 |
| 6207.9 | 30°   | 6068.7 | 5958.1 | 6273.1 | 7035.2 | 7797.4 | 8909.0 | 10020.1 | 10773.4 | 11526.8 | 11872.5 |
| 5904.8 | 32.5° | 5822.3 | 5773.1 | 6027.0 | 6813.6 | 7599.9 | 8871.4 | 10142.3 | 11027.7 | 11913.0 | 12255.3 |
| 5612.3 | 35°   | 5589.7 | 5610.1 | 5821.7 | 6595.7 | 7369.7 | 8800.6 | 10232.0 | 11317.3 | 12402.7 | 12730.9 |
| 5320.7 | 37.5° | 5345.8 | 5420.4 | 5605.4 | 6339.3 | 7073.2 | 8679.2 | 10285.3 | 11641.8 | 12998.3 | 13416.5 |
| 5021.9 | 40°   | 5078.7 | 5193.1 | 5360.8 | 6033.3 | 6705.8 | 8512.1 | 10318.8 | 12053.7 | 13788.3 | 14397.8 |
| 4719.7 | 42.5° | 4795.0 | 4939.2 | 5093.7 | 5695.7 | 6297.6 | 8339.7 | 10382.5 | 12592.7 | 14802.8 | 15682.5 |
| 4439.5 | 45°   | 4512.8 | 4652.3 | 4809.1 | 5337.0 | 5865.0 | 8179.5 | 10494.4 | 13301.8 | 16109.2 | 17295.8 |
| 4199.6 | 47.5° | 4261.1 | 4381.2 | 4583.4 | 5053.3 | 5523.2 | 8047.2 | 10571.2 | 14057.3 | 17543.4 | 19213.8 |
| 3984.9 | 50°   | 4039.4 | 4178.9 | 4444.8 | 4864.9 | 5285.0 | 7903.0 | 10521.0 | 14758.3 | 18995.6 | 21513.6 |
| 3820.3 | 52.5° | 3874.2 | 4069.2 | 4374.9 | 4740.7 | 5106.9 | 7659.4 | 10212.2 | 15213.5 | 20214.5 | 23929.4 |
| 3701.2 | 55°   | 3786.4 | 4080.2 | 4364.5 | 4650.8 | 4937.0 | 7255.6 | 9574.3  | 15113.2 | 20651.8 | 26071.3 |
| 3609.6 | 57.5° | 3733.8 | 4091.2 | 4342.0 | 4544.2 | 4746.4 | 6686.3 | 8625.9  | 14407.2 | 20188.7 | 27589.2 |
| 3523.4 | 60°   | 3684.2 | 4056.7 | 4222.2 | 4381.2 | 4540.1 | 5947.1 | 7354.1  | 13093.3 | 18832.5 | 27968.6 |
| 3425.3 | 62.5° | 3626.6 | 3972.0 | 3992.4 | 4097.8 | 4203.4 | 5062.4 | 5921.4  | 11316.7 | 16712.0 | 26371.3 |
| 3291.1 | 65°   | 3504.9 | 3768.3 | 3765.8 | 3815.6 | 3865.4 | 4266.4 | 4667.4  | 9504.1  | 14341.0 | 24111.3 |
| 3109.9 | 67.5° | 3288.0 | 3436.0 | 3442.9 | 3415.3 | 3387.4 | 3501.5 | 3615.3  | 7728.4  | 11841.5 | 21421.7 |
| 2886.1 | 70°   | 3012.7 | 3061.3 | 3061.3 | 2932.5 | 2803.3 | 2771.0 | 2738.4  | 6085.0  | 9431.6  | 18487.1 |
| 2619.3 | 72.5° | 2706.1 | 2705.5 | 2674.8 | 2492.0 | 2308.9 | 2210.5 | 2112.4  | 4652.0  | 7191.7  | 15305.7 |
| 2291.4 | 75°   | 2358.1 | 2370.1 | 2228.4 | 2023.3 | 1818.3 | 1729.3 | 1640.2  | 3376.4  | 5112.6  | 11658.7 |
| 1955.9 | 77.5° | 2009.5 | 2015.8 | 1782.2 | 1583.2 | 1384.1 | 1323.3 | 1262.8  | 2287.9  | 3313.1  | 8160.1  |
| 1567.2 | 80°   | 1612.0 | 1613.0 | 1333.9 | 1165.6 | 996.9  | 971.8  | 946.8   | 1474.1  | 2001.7  | 5257.4  |
| 1163.7 | 82.5° | 1185.7 | 1172.5 | 934.2  | 810.1  | 685.9  | 680.9  | 676.5   | 906.6   | 1137.4  | 3042.8  |
| 757.1  | 85°   | 780.6  | 763.4  | 586.2  | 495.3  | 404.4  | 406.9  | 409.1   | 484.7   | 560.5   | 1368.7  |
| 335.4  | 87.5° | 344.8  | 322.9  | 249.2  | 211.9  | 174.9  | 177.1  | 179.3   | 201.0   | 222.6   | 448.3   |
| 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):**

| 270°    |       | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8169.8  | 0°    | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  |
| 8785.8  | 2.5°  | 8819.1  | 8852.6  | 8899.9  | 8947.3  | 8975.5  | 9003.7  | 9017.8  | 9031.9  | 9025.7  | 9031.9  |
| 9447.3  | 5°    | 9563.6  | 9680.2  | 9795.6  | 9911.3  | 9974.0  | 10036.7 | 10074.6 | 10112.9 | 10141.7 | 10112.9 |
| 10111.9 | 7.5°  | 10301.3 | 10490.3 | 10660.6 | 10830.8 | 10933.3 | 11035.8 | 11091.3 | 11146.5 | 11173.1 | 11146.5 |
| 10621.4 | 10°   | 10845.2 | 11069.0 | 11268.7 | 11468.4 | 11589.5 | 11709.8 | 11763.8 | 11817.4 | 11837.7 | 11817.4 |
| 10933.3 | 12.5° | 11175.9 | 11418.3 | 11598.9 | 11778.8 | 11866.6 | 11954.4 | 11983.8 | 12013.3 | 12016.4 | 12013.3 |
| 11123.0 | 15°   | 11332.4 | 11541.5 | 11654.7 | 11768.1 | 11771.3 | 11774.4 | 11743.1 | 11711.7 | 11674.7 | 11711.7 |
| 11229.6 | 17.5° | 11370.9 | 11512.3 | 11514.5 | 11516.4 | 11389.4 | 11262.5 | 11146.2 | 11029.5 | 10947.4 | 11029.5 |
| 11347.1 | 20°   | 11396.3 | 11445.9 | 11297.0 | 11148.0 | 10867.8 | 10587.5 | 10383.4 | 10179.3 | 10053.9 | 10179.3 |
| 11483.5 | 22.5° | 11418.9 | 11354.3 | 11045.8 | 10737.4 | 10325.1 | 9912.9  | 9657.7  | 9402.5  | 9263.9  | 9402.5  |
| 11659.0 | 25°   | 11455.3 | 11251.5 | 10783.1 | 10314.8 | 9814.1  | 9313.4  | 9045.1  | 8777.4  | 8646.3  | 8777.4  |
| 11897.3 | 27.5° | 11533.0 | 11168.4 | 10548.0 | 9927.9  | 9373.0  | 8818.1  | 8554.1  | 8290.5  | 8166.7  | 8290.5  |
| 12218.6 | 30°   | 11675.4 | 11132.4 | 10368.7 | 9605.0  | 9026.9  | 8448.8  | 8204.0  | 7959.1  | 7843.8  | 7959.1  |
| 12598.0 | 32.5° | 11854.0 | 11110.4 | 10246.4 | 9382.4  | 8839.1  | 8295.8  | 8103.7  | 7911.2  | 7828.1  | 7911.2  |
| 13058.8 | 35°   | 12148.4 | 11238.3 | 10338.0 | 9437.9  | 9060.5  | 8683.3  | 8638.5  | 8593.7  | 8586.8  | 8593.7  |
| 13834.7 | 37.5° | 12763.8 | 11692.9 | 10874.7 | 10056.4 | 10032.0 | 10007.5 | 10212.6 | 10417.6 | 10524.2 | 10417.6 |
| 15007.2 | 40°   | 13842.6 | 12677.9 | 12069.4 | 11460.9 | 11890.4 | 12319.9 | 12818.4 | 13316.8 | 13565.1 | 13316.8 |
| 16562.2 | 42.5° | 15406.6 | 14251.1 | 13900.6 | 13550.1 | 14486.8 | 15423.6 | 16330.2 | 17236.8 | 17769.2 | 17236.8 |
| 18482.4 | 45°   | 17444.4 | 16406.1 | 16251.5 | 16096.6 | 17597.4 | 19098.4 | 20588.1 | 22078.2 | 22982.7 | 22078.2 |
| 20883.8 | 47.5° | 19874.0 | 18863.9 | 18832.5 | 18801.2 | 20966.2 | 23130.6 | 25311.6 | 27492.3 | 28773.0 | 27492.3 |
| 24031.3 | 50°   | 22783.9 | 21536.8 | 21542.1 | 21547.5 | 24337.6 | 27127.7 | 30006.6 | 32885.5 | 34626.0 | 32885.5 |
| 27644.4 | 52.5° | 26134.0 | 24623.8 | 24471.2 | 24318.2 | 27651.0 | 30983.8 | 34545.8 | 38107.4 | 40193.8 | 38107.4 |
| 31491.0 | 55°   | 29998.8 | 28506.5 | 27911.2 | 27315.8 | 31025.2 | 34734.2 | 38980.5 | 43226.9 | 45708.2 | 43226.9 |
| 34989.7 | 57.5° | 34177.1 | 33364.2 | 32170.1 | 30976.3 | 34721.6 | 38467.0 | 43276.7 | 48086.1 | 51163.1 | 48086.1 |
| 37104.2 | 60°   | 38366.4 | 39628.9 | 38146.0 | 36663.1 | 40207.6 | 43752.0 | 48901.5 | 54051.1 | 57376.7 | 54051.1 |
| 36030.5 | 62.5° | 39479.3 | 42928.1 | 42761.0 | 42593.6 | 45840.5 | 49087.8 | 53987.1 | 58886.2 | 61960.1 | 58886.2 |
| 33881.5 | 65°   | 37118.4 | 40355.2 | 40995.7 | 41635.9 | 45762.2 | 49888.8 | 54639.5 | 59390.0 | 62007.1 | 59390.0 |
| 31002.0 | 67.5° | 34080.5 | 37159.1 | 37459.4 | 37759.5 | 42058.8 | 46357.8 | 51129.0 | 55900.1 | 57950.4 | 55900.1 |
| 27542.5 | 70°   | 30891.0 | 34239.8 | 34374.0 | 34508.5 | 38353.2 | 42197.7 | 46303.6 | 50409.2 | 51548.7 | 50409.2 |
| 23420.0 | 72.5° | 27262.6 | 31105.4 | 31202.0 | 31298.2 | 34306.3 | 37314.3 | 40389.4 | 43464.2 | 43579.6 | 43464.2 |
| 18204.9 | 75°   | 22182.0 | 26159.0 | 26516.1 | 26873.2 | 29213.5 | 31553.7 | 33718.4 | 35883.2 | 35303.2 | 35883.2 |
| 13007.1 | 77.5° | 16719.6 | 20432.3 | 20943.3 | 21454.3 | 23233.5 | 25012.6 | 26547.8 | 28083.3 | 27086.4 | 28083.3 |
| 8513.1  | 80°   | 11636.5 | 14759.6 | 15394.7 | 16029.9 | 17373.5 | 18716.6 | 19522.9 | 20328.9 | 18725.3 | 20328.9 |
| 4948.6  | 82.5° | 7083.8  | 9219.4  | 9928.8  | 10638.6 | 11563.4 | 12488.3 | 12824.6 | 13160.7 | 11900.4 | 13160.7 |
| 2177.3  | 85°   | 3310.6  | 4443.9  | 5047.3  | 5650.8  | 6410.8  | 7170.4  | 7361.3  | 7552.2  | 6542.7  | 7552.2  |
| 674.0   | 87.5° | 1054.9  | 1435.8  | 1772.5  | 2109.2  | 2489.2  | 2869.1  | 2885.5  | 2901.4  | 2435.9  | 2901.4  |
| 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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| 325°    |       | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| 8169.8  | 0°    | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  | 8169.8  |
| 9017.8  | 2.5°  | 9003.7  | 8975.5  | 8947.3  | 8899.9  | 8852.6  | 8819.1  | 8785.8  |
| 10074.6 | 5°    | 10036.7 | 9974.0  | 9911.3  | 9795.6  | 9680.2  | 9563.6  | 9447.3  |
| 11091.3 | 7.5°  | 11035.8 | 10933.3 | 10830.8 | 10660.6 | 10490.3 | 10301.3 | 10111.9 |
| 11763.8 | 10°   | 11709.8 | 11589.5 | 11468.4 | 11268.7 | 11069.0 | 10845.2 | 10621.4 |
| 11983.8 | 12.5° | 11954.4 | 11866.6 | 11778.8 | 11598.9 | 11418.3 | 11175.9 | 10933.3 |
| 11743.1 | 15°   | 11774.4 | 11771.3 | 11768.1 | 11654.7 | 11541.5 | 11332.4 | 11123.0 |
| 11146.2 | 17.5° | 11262.5 | 11389.4 | 11516.4 | 11514.5 | 11512.3 | 11370.9 | 11229.6 |
| 10383.4 | 20°   | 10587.5 | 10867.8 | 11148.0 | 11297.0 | 11445.9 | 11396.3 | 11347.1 |
| 9657.7  | 22.5° | 9912.9  | 10325.1 | 10737.4 | 11045.8 | 11354.3 | 11418.9 | 11483.5 |
| 9045.1  | 25°   | 9313.4  | 9814.1  | 10314.8 | 10783.1 | 11251.5 | 11455.3 | 11659.0 |
| 8554.1  | 27.5° | 8818.1  | 9373.0  | 9927.9  | 10548.0 | 11168.4 | 11533.0 | 11897.3 |
| 8204.0  | 30°   | 8448.8  | 9026.9  | 9605.0  | 10368.7 | 11132.4 | 11675.4 | 12218.6 |
| 8103.7  | 32.5° | 8295.8  | 8839.1  | 9382.4  | 10246.4 | 11110.4 | 11854.0 | 12598.0 |
| 8638.5  | 35°   | 8683.3  | 9060.5  | 9437.9  | 10338.0 | 11238.3 | 12148.4 | 13058.8 |
| 10212.6 | 37.5° | 10007.5 | 10032.0 | 10056.4 | 10874.7 | 11692.9 | 12763.8 | 13834.7 |
| 12818.4 | 40°   | 12319.9 | 11890.4 | 11460.9 | 12069.4 | 12677.9 | 13842.6 | 15007.2 |
| 16330.2 | 42.5° | 15423.6 | 14486.8 | 13550.1 | 13900.6 | 14251.1 | 15406.6 | 16562.2 |
| 20588.1 | 45°   | 19098.4 | 17597.4 | 16096.6 | 16251.5 | 16406.1 | 17444.4 | 18482.4 |
| 25311.6 | 47.5° | 23130.6 | 20966.2 | 18801.2 | 18832.5 | 18863.9 | 19874.0 | 20883.8 |
| 30006.6 | 50°   | 27127.7 | 24337.6 | 21547.5 | 21542.1 | 21536.8 | 22783.9 | 24031.3 |
| 34545.8 | 52.5° | 30983.8 | 27651.0 | 24318.2 | 24471.2 | 24623.8 | 26134.0 | 27644.4 |
| 38980.5 | 55°   | 34734.2 | 31025.2 | 27315.8 | 27911.2 | 28506.5 | 29998.8 | 31491.0 |
| 43276.7 | 57.5° | 38467.0 | 34721.6 | 30976.3 | 32170.1 | 33364.2 | 34177.1 | 34989.7 |
| 48901.5 | 60°   | 43752.0 | 40207.6 | 36663.1 | 38146.0 | 39628.9 | 38366.4 | 37104.2 |
| 53987.1 | 62.5° | 49087.8 | 45840.5 | 42593.6 | 42761.0 | 42928.1 | 39479.3 | 36030.5 |
| 54639.5 | 65°   | 49888.8 | 45762.2 | 41635.9 | 40995.7 | 40355.2 | 37118.4 | 33881.5 |
| 51129.0 | 67.5° | 46357.8 | 42058.8 | 37759.5 | 37459.4 | 37159.1 | 34080.5 | 31002.0 |
| 46303.6 | 70°   | 42197.7 | 38353.2 | 34508.5 | 34374.0 | 34239.8 | 30891.0 | 27542.5 |
| 40389.4 | 72.5° | 37314.3 | 34306.3 | 31298.2 | 31202.0 | 31105.4 | 27262.6 | 23420.0 |
| 33718.4 | 75°   | 31553.7 | 29213.5 | 26873.2 | 26516.1 | 26159.0 | 22182.0 | 18204.9 |
| 26547.8 | 77.5° | 25012.6 | 23233.5 | 21454.3 | 20943.3 | 20432.3 | 16719.6 | 13007.1 |
| 19522.9 | 80°   | 18716.6 | 17373.5 | 16029.9 | 15394.7 | 14759.6 | 11636.5 | 8513.1  |
| 12824.6 | 82.5° | 12488.3 | 11563.4 | 10638.6 | 9928.8  | 9219.4  | 7083.8  | 4948.6  |
| 7361.3  | 85°   | 7170.4  | 6410.8  | 5650.8  | 5047.3  | 4443.9  | 3310.6  | 2177.3  |
| 2885.5  | 87.5° | 2869.1  | 2489.2  | 2109.2  | 1772.5  | 1435.8  | 1054.9  | 674.0   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)