

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: P955277

Luminaire Tested: **GALN-SB8B-740-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955277  
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-SB8B-740-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

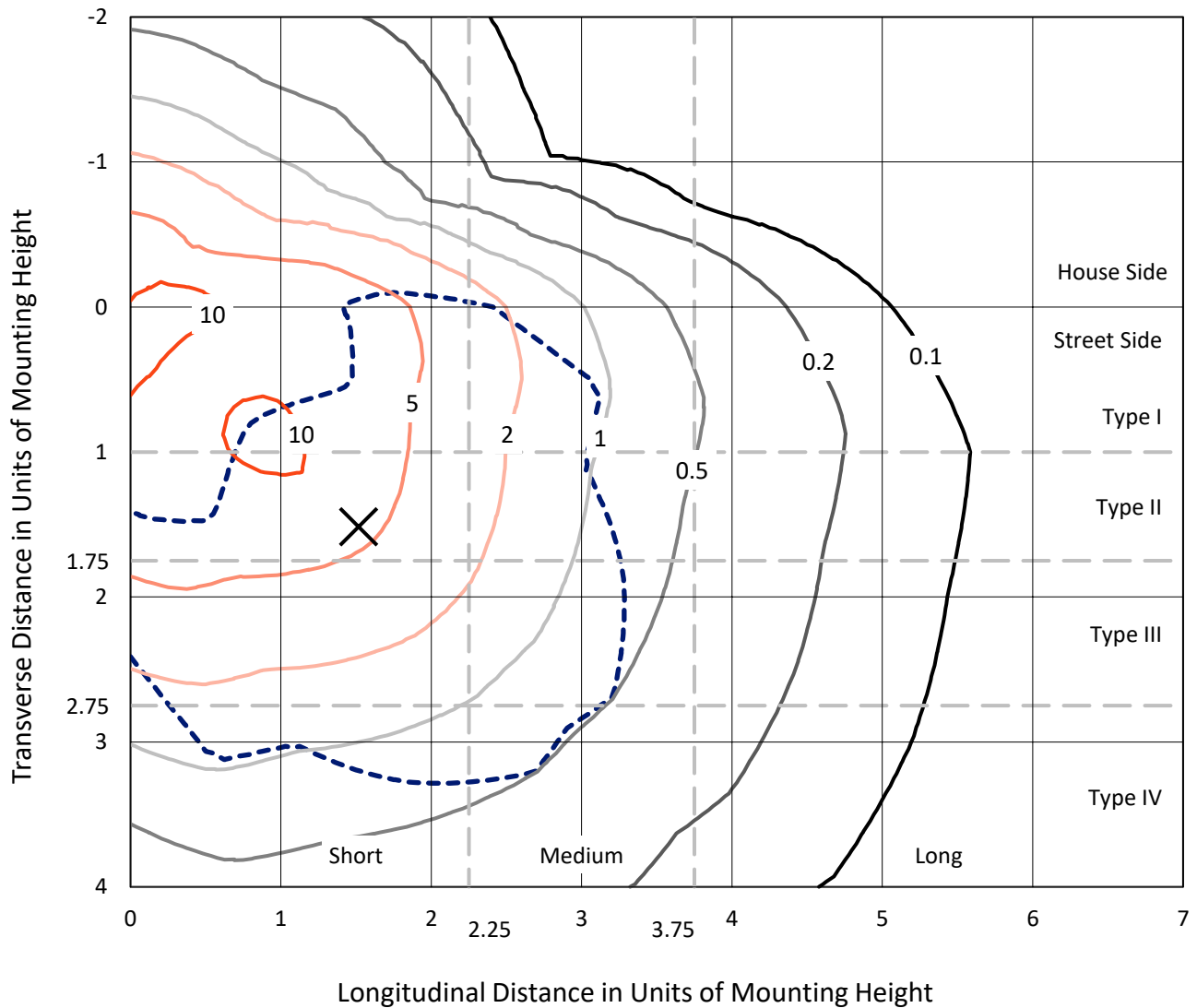
Lumens per Lamp: N/A  
Luminaire Lumens: 48001 lumens  
Efficiency: N/A  
Efficacy: 163.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

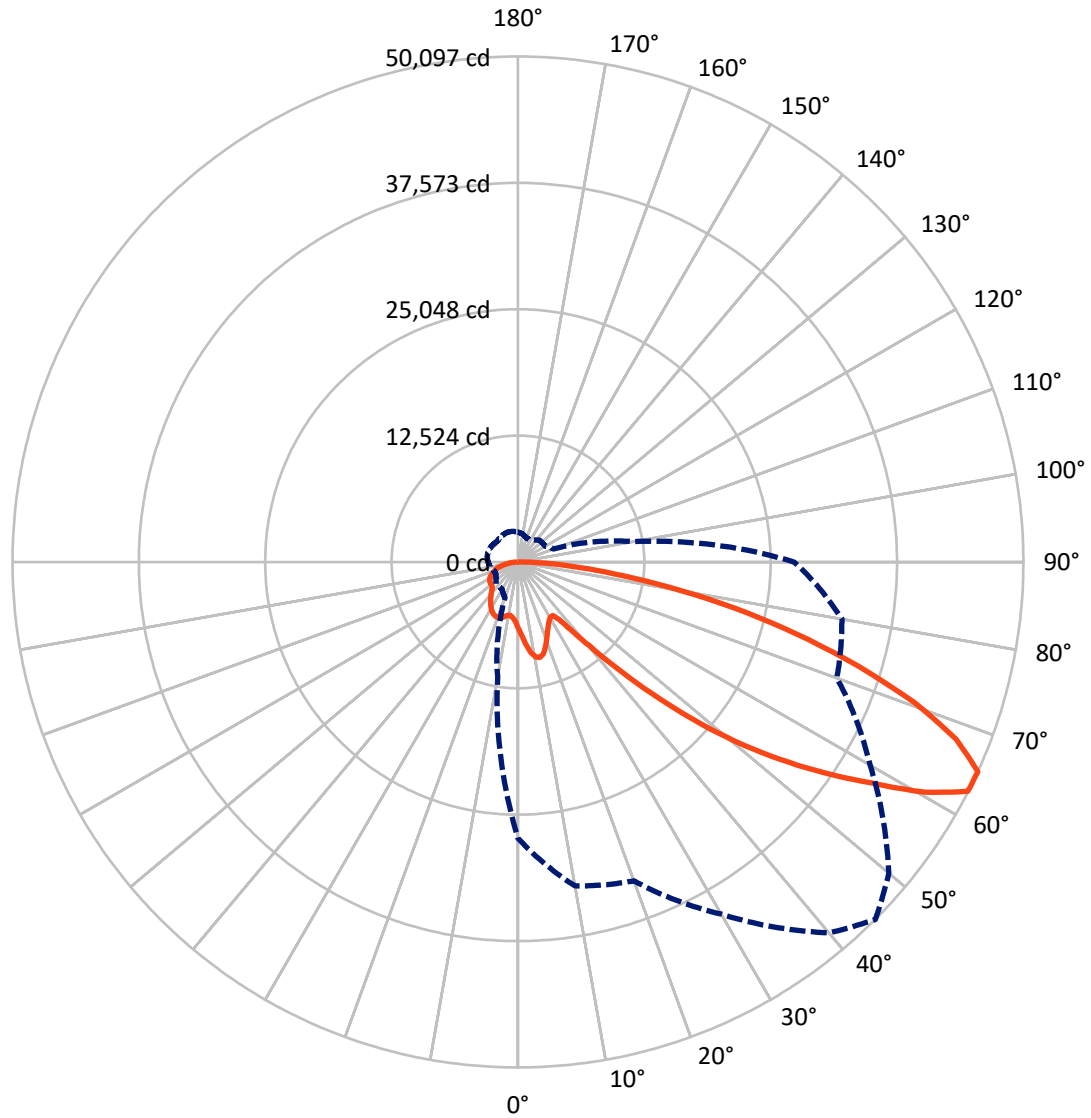
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12199.4  | 0.0    | 12199.4 |
|                    | % Fixture | 25.4     | 0.0    | 25.4    |
| <b>Street Side</b> | Lumens    | 35801.6  | 0.0    | 35801.6 |
|                    | % Fixture | 74.6     | 0.0    | 74.6    |
| <b>Total</b>       | Lumens    | 48001.0  | 0.0    | 48001.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 654.8   | 1.4       |
| 10°-20°   | 2055.5  | 4.3       |
| 20°-30°   | 3175.0  | 6.6       |
| 30°-40°   | 4023.5  | 8.4       |
| 40°-50°   | 6068.4  | 12.6      |
| 50°-60°   | 9804.4  | 20.4      |
| 60°-70°   | 12222.8 | 25.5      |
| 70°-80°   | 8015.1  | 16.7      |
| 80°-90°   | 1981.5  | 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°    | 48001.0 | 100.0     |
| 0°-180°   | 48001.0 | 100.0     |

**Coefficient of Utilization**



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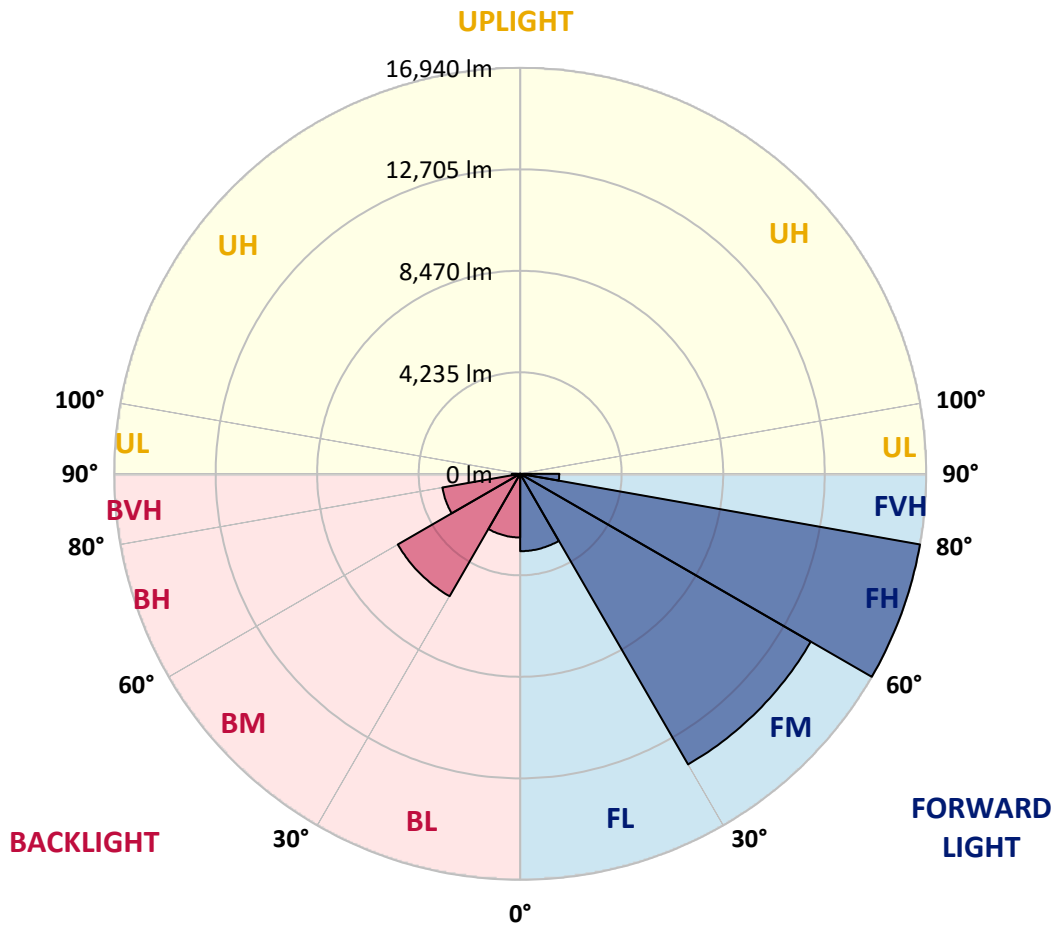
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3228.6  | 6.7       |                         |      |         |
| FM (30°-60°)   | 14000.8 | 29.2      |                         |      |         |
| FH (60°-80°)   | 16939.7 | 35.3      |                         |      | G5      |
| FVH (80°-90°)  | 1632.3  | 3.4       |                         |      | G5      |
| BL (0°-30°)    | 2656.6  | 5.5       | B4/5000                 |      |         |
| BM (30°-60°)   | 5895.5  | 12.3      | B4/8500                 |      |         |
| BH (60°-80°)   | 3298.2  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 349.2   | 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°    | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  |
| 2.5°  | 7098.3  | 7125.1  | 7152.2  | 7190.4  | 7228.7  | 7251.5  | 7274.3  | 7285.7  | 7297.1  | 7292.0  |
| 5°    | 7632.7  | 7726.6  | 7820.9  | 7914.1  | 8007.5  | 8058.2  | 8108.9  | 8139.5  | 8170.4  | 8193.7  |
| 7.5°  | 8169.6  | 8322.6  | 8475.4  | 8612.9  | 8750.4  | 8833.2  | 8916.1  | 8960.9  | 9005.5  | 9027.0  |
| 10°   | 8581.2  | 8762.1  | 8942.9  | 9104.3  | 9265.6  | 9363.4  | 9460.6  | 9504.2  | 9547.5  | 9564.0  |
| 12.5° | 8833.2  | 9029.3  | 9225.1  | 9371.0  | 9516.3  | 9587.3  | 9658.2  | 9682.0  | 9705.8  | 9708.3  |
| 15°   | 8986.5  | 9155.7  | 9324.6  | 9416.0  | 9507.7  | 9510.3  | 9512.8  | 9487.5  | 9462.1  | 9432.3  |
| 17.5° | 9072.6  | 9186.8  | 9301.1  | 9302.8  | 9304.3  | 9201.8  | 9099.2  | 9005.2  | 8911.0  | 8844.6  |
| 20°   | 9167.6  | 9207.3  | 9247.4  | 9127.0  | 9006.7  | 8780.3  | 8553.9  | 8389.0  | 8224.1  | 8122.8  |
| 22.5° | 9277.8  | 9225.6  | 9173.4  | 8924.2  | 8674.9  | 8341.9  | 8008.8  | 7802.6  | 7596.5  | 7484.5  |
| 25°   | 9419.6  | 9255.0  | 9090.3  | 8711.9  | 8333.5  | 7929.0  | 7524.5  | 7307.7  | 7091.4  | 6985.5  |
| 27.5° | 9612.1  | 9317.8  | 9023.2  | 8522.0  | 8021.0  | 7572.7  | 7124.3  | 6911.1  | 6698.1  | 6598.0  |
| 30°   | 9871.7  | 9432.8  | 8994.1  | 8377.1  | 7760.1  | 7293.0  | 6826.0  | 6628.2  | 6430.3  | 6337.1  |
| 32.5° | 10178.2 | 9577.1  | 8976.3  | 8278.3  | 7580.2  | 7141.3  | 6702.4  | 6547.1  | 6391.6  | 6324.5  |
| 35°   | 10550.5 | 9815.0  | 9079.7  | 8352.3  | 7625.1  | 7320.1  | 7015.4  | 6979.2  | 6943.0  | 6937.4  |
| 37.5° | 11177.4 | 10312.2 | 9446.9  | 8785.9  | 8124.8  | 8105.1  | 8085.3  | 8250.9  | 8416.6  | 8502.7  |
| 40°   | 12124.6 | 11183.7 | 10242.8 | 9751.1  | 9259.5  | 9606.5  | 9953.5  | 10356.2 | 10758.9 | 10959.5 |
| 42.5° | 13380.9 | 12447.3 | 11513.7 | 11230.6 | 10947.4 | 11704.2 | 12461.0 | 13193.5 | 13926.0 | 14356.1 |
| 45°   | 14932.3 | 14093.7 | 13254.8 | 13129.9 | 13004.8 | 14217.3 | 15430.0 | 16633.6 | 17837.4 | 18568.2 |
| 47.5° | 16872.4 | 16056.6 | 15240.5 | 15215.2 | 15189.9 | 16939.1 | 18687.7 | 20449.8 | 22211.6 | 23246.3 |
| 50°   | 19415.4 | 18407.6 | 17400.0 | 17404.3 | 17408.6 | 19662.9 | 21917.1 | 24243.0 | 26568.9 | 27975.1 |
| 52.5° | 22334.5 | 21114.2 | 19894.1 | 19770.8 | 19647.2 | 22339.8 | 25032.4 | 27910.2 | 30787.8 | 32473.4 |
| 55°   | 25442.3 | 24236.6 | 23031.0 | 22550.0 | 22069.0 | 25065.9 | 28062.5 | 31493.2 | 34923.9 | 36928.6 |
| 57.5° | 28268.9 | 27612.4 | 26955.6 | 25990.9 | 25026.4 | 28052.3 | 31078.3 | 34964.2 | 38849.8 | 41335.8 |
| 60°   | 29977.3 | 30997.0 | 32017.0 | 30818.9 | 29620.9 | 32484.5 | 35348.2 | 39508.6 | 43669.0 | 46355.8 |
| 62.5° | 29109.8 | 31896.2 | 34682.5 | 34547.5 | 34412.3 | 37035.5 | 39659.0 | 43617.3 | 47575.4 | 50058.8 |
| 65°   | 27373.5 | 29988.7 | 32603.8 | 33121.3 | 33638.5 | 36972.2 | 40306.2 | 44144.4 | 47982.4 | 50096.8 |
| 67.5° | 25047.1 | 27534.4 | 30021.6 | 30264.3 | 30506.7 | 33980.2 | 37453.4 | 41308.2 | 45162.9 | 46819.3 |
| 70°   | 22252.2 | 24957.5 | 27663.0 | 27771.5 | 27880.1 | 30986.4 | 34092.4 | 37409.6 | 40726.6 | 41647.3 |
| 72.5° | 18921.5 | 22026.0 | 25130.7 | 25208.7 | 25286.5 | 27716.7 | 30147.0 | 32631.4 | 35115.6 | 35208.8 |
| 75°   | 14708.1 | 17921.3 | 21134.4 | 21422.9 | 21711.4 | 23602.2 | 25492.9 | 27241.8 | 28990.8 | 28522.2 |
| 77.5° | 10508.7 | 13508.1 | 16507.7 | 16920.6 | 17333.4 | 18770.8 | 20208.2 | 21448.5 | 22689.1 | 21883.6 |
| 80°   | 6877.9  | 9401.4  | 11924.6 | 12437.7 | 12950.9 | 14036.4 | 15121.5 | 15772.9 | 16424.1 | 15128.6 |
| 82.5° | 3998.1  | 5723.2  | 7448.5  | 8021.7  | 8595.2  | 9342.3  | 10089.5 | 10361.3 | 10632.8 | 9614.6  |
| 85°   | 1759.0  | 2674.7  | 3590.3  | 4077.9  | 4565.4  | 5179.4  | 5793.1  | 5947.3  | 6101.6  | 5286.0  |
| 87.5° | 544.6   | 852.3   | 1160.0  | 1432.1  | 1704.1  | 2011.1  | 2318.0  | 2331.2  | 2344.1  | 1968.0  |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6600.6  | 0°    | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  | 6600.6  |
| 7297.1  | 2.5°  | 7285.7  | 7274.3  | 7251.5  | 7228.7  | 7190.4  | 7152.2  | 7125.1  | 7098.3  | 7043.8  | 6989.3  |
| 8170.4  | 5°    | 8139.5  | 8108.9  | 8058.2  | 8007.5  | 7914.1  | 7820.9  | 7726.6  | 7632.7  | 7512.4  | 7392.1  |
| 9005.5  | 7.5°  | 8960.9  | 8916.1  | 8833.2  | 8750.4  | 8612.9  | 8475.4  | 8322.6  | 8169.6  | 7971.1  | 7772.7  |
| 9547.5  | 10°   | 9504.2  | 9460.6  | 9363.4  | 9265.6  | 9104.3  | 8942.9  | 8762.1  | 8581.2  | 8330.2  | 8079.2  |
| 9705.8  | 12.5° | 9682.0  | 9658.2  | 9587.3  | 9516.3  | 9371.0  | 9225.1  | 9029.3  | 8833.2  | 8557.4  | 8281.8  |
| 9462.1  | 15°   | 9487.5  | 9512.8  | 9510.3  | 9507.7  | 9416.0  | 9324.6  | 9155.7  | 8986.5  | 8699.0  | 8411.5  |
| 8911.0  | 17.5° | 9005.2  | 9099.2  | 9201.8  | 9304.3  | 9302.8  | 9301.1  | 9186.8  | 9072.6  | 8781.1  | 8489.5  |
| 8224.1  | 20°   | 8389.0  | 8553.9  | 8780.3  | 9006.7  | 9127.0  | 9247.4  | 9207.3  | 9167.6  | 8864.6  | 8561.5  |
| 7596.5  | 22.5° | 7802.6  | 8008.8  | 8341.9  | 8674.9  | 8924.2  | 9173.4  | 9225.6  | 9277.8  | 8968.2  | 8658.5  |
| 7091.4  | 25°   | 7307.7  | 7524.5  | 7929.0  | 8333.5  | 8711.9  | 9090.3  | 9255.0  | 9419.6  | 9116.2  | 8813.0  |
| 6698.1  | 27.5° | 6911.1  | 7124.3  | 7572.7  | 8021.0  | 8522.0  | 9023.2  | 9317.8  | 9612.1  | 9322.8  | 9033.3  |
| 6430.3  | 30°   | 6628.2  | 6826.0  | 7293.0  | 7760.1  | 8377.1  | 8994.1  | 9432.8  | 9871.7  | 9592.1  | 9312.7  |
| 6391.6  | 32.5° | 6547.1  | 6702.4  | 7141.3  | 7580.2  | 8278.3  | 8976.3  | 9577.1  | 10178.2 | 9901.3  | 9624.7  |
| 6943.0  | 35°   | 6979.2  | 7015.4  | 7320.1  | 7625.1  | 8352.3  | 9079.7  | 9815.0  | 10550.5 | 10285.6 | 10020.4 |
| 8416.6  | 37.5° | 8250.9  | 8085.3  | 8105.1  | 8124.8  | 8785.9  | 9446.9  | 10312.2 | 11177.4 | 10839.5 | 10501.6 |
| 10758.9 | 40°   | 10356.2 | 9953.5  | 9606.5  | 9259.5  | 9751.1  | 10242.8 | 11183.7 | 12124.6 | 11632.3 | 11139.9 |
| 13926.0 | 42.5° | 13193.5 | 12461.0 | 11704.2 | 10947.4 | 11230.6 | 11513.7 | 12447.3 | 13380.9 | 12670.2 | 11959.5 |
| 17837.4 | 45°   | 16633.6 | 15430.0 | 14217.3 | 13004.8 | 13129.9 | 13254.8 | 14093.7 | 14932.3 | 13973.6 | 13014.9 |
| 22211.6 | 47.5° | 20449.8 | 18687.7 | 16939.1 | 15189.9 | 15215.2 | 15240.5 | 16056.6 | 16872.4 | 15523.2 | 14173.7 |
| 26568.9 | 50°   | 24243.0 | 21917.1 | 19662.9 | 17408.6 | 17404.3 | 17400.0 | 18407.6 | 19415.4 | 17381.3 | 15346.9 |
| 30787.8 | 52.5° | 27910.2 | 25032.4 | 22339.8 | 19647.2 | 19770.8 | 19894.1 | 21114.2 | 22334.5 | 19333.1 | 16331.7 |
| 34923.9 | 55°   | 31493.2 | 28062.5 | 25065.9 | 22069.0 | 22550.0 | 23031.0 | 24236.6 | 25442.3 | 21063.5 | 16685.0 |
| 38849.8 | 57.5° | 34964.2 | 31078.3 | 28052.3 | 25026.4 | 25990.9 | 26955.6 | 27612.4 | 28268.9 | 22289.9 | 16310.9 |
| 43669.0 | 60°   | 39508.6 | 35348.2 | 32484.5 | 29620.9 | 30818.9 | 32017.0 | 30997.0 | 29977.3 | 22596.4 | 15215.2 |
| 47575.4 | 62.5° | 43617.3 | 39659.0 | 37035.5 | 34412.3 | 34547.5 | 34682.5 | 31896.2 | 29109.8 | 21305.9 | 13502.0 |
| 47982.4 | 65°   | 44144.4 | 40306.2 | 36972.2 | 33638.5 | 33121.3 | 32603.8 | 29988.7 | 27373.5 | 19480.0 | 11586.4 |
| 45162.9 | 67.5° | 41308.2 | 37453.4 | 33980.2 | 30506.7 | 30264.3 | 30021.6 | 27534.4 | 25047.1 | 17307.1 | 9567.0  |
| 40726.6 | 70°   | 37409.6 | 34092.4 | 30986.4 | 27880.1 | 27771.5 | 27663.0 | 24957.5 | 22252.2 | 14936.1 | 7620.0  |
| 35115.6 | 72.5° | 32631.4 | 30147.0 | 27716.7 | 25286.5 | 25208.7 | 25130.7 | 22026.0 | 18921.5 | 12365.8 | 5810.3  |
| 28990.8 | 75°   | 27241.8 | 25492.9 | 23602.2 | 21711.4 | 21422.9 | 21134.4 | 17921.3 | 14708.1 | 9419.3  | 4130.5  |
| 22689.1 | 77.5° | 21448.5 | 20208.2 | 18770.8 | 17333.4 | 16920.6 | 16507.7 | 13508.1 | 10508.7 | 6592.7  | 2676.7  |
| 16424.1 | 80°   | 15772.9 | 15121.5 | 14036.4 | 12950.9 | 12437.7 | 11924.6 | 9401.4  | 6877.9  | 4247.6  | 1617.2  |
| 10632.8 | 82.5° | 10361.3 | 10089.5 | 9342.3  | 8595.2  | 8021.7  | 7448.5  | 5723.2  | 3998.1  | 2458.4  | 918.9   |
| 6101.6  | 85°   | 5947.3  | 5793.1  | 5179.4  | 4565.4  | 4077.9  | 3590.3  | 2674.7  | 1759.0  | 1105.8  | 452.9   |
| 2344.1  | 87.5° | 2331.2  | 2318.0  | 2011.1  | 1704.1  | 1432.1  | 1160.0  | 852.3   | 544.6   | 362.2   | 179.8   |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6600.6  | 0°    | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 |
| 6931.3  | 2.5°  | 6873.6 | 6815.3 | 6757.1 | 6701.4 | 6645.6 | 6591.7 | 6531.7 | 6483.0 | 6434.7 | 6390.8 |
| 7272.0  | 5°    | 7152.2 | 7031.4 | 6910.8 | 6798.1 | 6685.4 | 6579.0 | 6473.9 | 6382.2 | 6290.3 | 6213.3 |
| 7589.4  | 7.5°  | 7406.0 | 7227.4 | 7048.9 | 6891.6 | 6734.3 | 6589.2 | 6453.1 | 6331.1 | 6209.2 | 6107.9 |
| 7836.8  | 10°   | 7594.7 | 7377.9 | 7160.8 | 6974.9 | 6788.5 | 6609.4 | 6463.3 | 6334.6 | 6205.9 | 6104.6 |
| 8007.3  | 12.5° | 7732.7 | 7476.9 | 7221.1 | 7010.6 | 6800.1 | 6611.9 | 6475.9 | 6370.6 | 6265.7 | 6198.3 |
| 8113.7  | 15°   | 7815.8 | 7521.2 | 7226.7 | 6983.0 | 6739.3 | 6530.9 | 6422.0 | 6371.6 | 6321.4 | 6330.6 |
| 8164.6  | 17.5° | 7839.6 | 7497.7 | 7155.7 | 6862.7 | 6569.7 | 6324.5 | 6257.4 | 6275.8 | 6294.1 | 6404.5 |
| 8204.3  | 20°   | 7847.2 | 7432.8 | 7018.5 | 6655.3 | 6292.1 | 6006.6 | 5988.9 | 6075.0 | 6161.1 | 6352.8 |
| 8258.0  | 22.5° | 7857.3 | 7353.3 | 6849.3 | 6411.9 | 5974.4 | 5649.5 | 5684.2 | 5811.6 | 5939.0 | 6157.8 |
| 8355.3  | 25°   | 7897.4 | 7274.8 | 6652.5 | 6140.1 | 5627.9 | 5294.9 | 5388.6 | 5535.5 | 5682.4 | 5879.2 |
| 8507.3  | 27.5° | 7980.9 | 7222.4 | 6463.8 | 5891.6 | 5319.4 | 5016.3 | 5130.2 | 5272.1 | 5413.9 | 5575.8 |
| 8704.1  | 30°   | 8095.4 | 7197.8 | 6299.7 | 5683.9 | 5068.2 | 4813.6 | 4903.0 | 5015.5 | 5128.5 | 5262.7 |
| 8909.5  | 32.5° | 8194.2 | 7167.4 | 6140.1 | 5504.8 | 4869.4 | 4664.2 | 4704.0 | 4770.6 | 4837.2 | 4944.3 |
| 9143.5  | 35°   | 8266.6 | 7110.2 | 5954.2 | 5328.8 | 4703.5 | 4532.5 | 4516.0 | 4534.3 | 4552.8 | 4634.6 |
| 9405.7  | 37.5° | 8309.7 | 7012.1 | 5714.6 | 5121.6 | 4528.7 | 4379.3 | 4319.0 | 4298.7 | 4278.5 | 4337.2 |
| 9738.5  | 40°   | 8336.8 | 6877.1 | 5417.7 | 4874.4 | 4331.1 | 4195.6 | 4103.2 | 4057.3 | 4011.5 | 4053.8 |
| 10173.9 | 42.5° | 8388.2 | 6737.8 | 5087.9 | 4601.6 | 4115.3 | 3990.5 | 3874.0 | 3813.2 | 3752.4 | 3786.8 |
| 10746.8 | 45°   | 8478.6 | 6608.4 | 4738.4 | 4311.9 | 3885.4 | 3758.7 | 3646.0 | 3586.7 | 3527.7 | 3556.6 |
| 11357.2 | 47.5° | 8540.7 | 6501.5 | 4462.3 | 4082.7 | 3703.0 | 3539.6 | 3442.6 | 3393.0 | 3343.3 | 3370.7 |
| 11923.5 | 50°   | 8500.2 | 6385.0 | 4269.8 | 3930.4 | 3591.0 | 3376.3 | 3263.5 | 3219.5 | 3175.7 | 3218.2 |
| 12291.3 | 52.5° | 8250.7 | 6188.2 | 4126.0 | 3830.1 | 3534.6 | 3287.6 | 3130.1 | 3086.5 | 3043.2 | 3107.3 |
| 12210.3 | 55°   | 7735.3 | 5862.0 | 3988.7 | 3757.5 | 3526.2 | 3296.5 | 3059.2 | 2990.3 | 2921.6 | 3012.5 |
| 11639.9 | 57.5° | 6969.1 | 5402.0 | 3834.7 | 3671.3 | 3508.0 | 3305.3 | 3016.6 | 2916.3 | 2816.0 | 2913.8 |
| 10578.4 | 60°   | 5941.5 | 4804.8 | 3668.0 | 3539.6 | 3411.2 | 3277.5 | 2976.6 | 2846.6 | 2716.5 | 2802.3 |
| 9143.0  | 62.5° | 4784.0 | 4090.0 | 3396.0 | 3310.7 | 3225.6 | 3209.1 | 2930.0 | 2767.4 | 2605.0 | 2659.5 |
| 7678.5  | 65°   | 3770.9 | 3446.9 | 3123.0 | 3082.7 | 3042.4 | 3044.5 | 2831.7 | 2659.0 | 2486.0 | 2507.0 |
| 6243.9  | 67.5° | 2920.9 | 2828.9 | 2736.7 | 2759.3 | 2781.6 | 2776.0 | 2656.4 | 2512.6 | 2368.7 | 2362.1 |
| 4916.2  | 70°   | 2212.4 | 2238.8 | 2264.9 | 2369.2 | 2473.3 | 2473.3 | 2434.0 | 2331.7 | 2229.4 | 2206.6 |
| 3758.5  | 72.5° | 1706.6 | 1785.9 | 1865.4 | 2013.3 | 2161.0 | 2185.8 | 2186.3 | 2116.2 | 2046.0 | 2012.6 |
| 2727.9  | 75°   | 1325.2 | 1397.1 | 1469.0 | 1634.7 | 1800.3 | 1914.8 | 1905.2 | 1851.2 | 1797.0 | 1765.1 |
| 1848.5  | 77.5° | 1020.2 | 1069.1 | 1118.2 | 1279.1 | 1439.9 | 1628.6 | 1623.5 | 1580.2 | 1536.9 | 1504.5 |
| 1190.9  | 80°   | 764.9  | 785.2  | 805.4  | 941.7  | 1077.7 | 1303.1 | 1302.4 | 1266.2 | 1229.7 | 1202.6 |
| 732.5   | 82.5° | 546.6  | 550.1  | 554.2  | 654.5  | 754.8  | 947.3  | 957.9  | 940.2  | 922.5  | 903.2  |
| 391.6   | 85°   | 330.5  | 328.8  | 326.7  | 400.2  | 473.6  | 616.7  | 630.7  | 611.7  | 592.7  | 571.2  |
| 162.4   | 87.5° | 144.9  | 143.1  | 141.3  | 171.2  | 201.4  | 260.9  | 278.6  | 271.0  | 263.4  | 259.4  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6600.6 | 0°    | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 |
| 6347.3 | 2.5°  | 6309.0 | 6270.8 | 6232.3 | 6194.0 | 6164.4 | 6134.5 | 6110.4 | 6086.4 | 6067.6 | 6048.9 |
| 6136.5 | 5°    | 6068.7 | 6000.8 | 5939.2 | 5877.4 | 5830.1 | 5782.4 | 5749.3 | 5716.1 | 5692.5 | 5669.0 |
| 6006.6 | 7.5°  | 5921.2 | 5835.6 | 5760.2 | 5684.9 | 5628.5 | 5572.2 | 5532.7 | 5493.2 | 5466.1 | 5439.2 |
| 6003.3 | 10°   | 5911.4 | 5819.2 | 5734.3 | 5649.5 | 5582.1 | 5514.5 | 5470.4 | 5425.8 | 5400.2 | 5374.7 |
| 6131.5 | 12.5° | 6059.0 | 5987.1 | 5899.2 | 5811.6 | 5725.5 | 5639.3 | 5582.4 | 5525.4 | 5496.7 | 5468.4 |
| 6339.7 | 15°   | 6320.9 | 6302.2 | 6225.9 | 6149.7 | 6027.1 | 5904.5 | 5817.9 | 5731.3 | 5691.5 | 5652.0 |
| 6514.9 | 17.5° | 6573.7 | 6632.2 | 6570.7 | 6509.4 | 6347.0 | 6184.7 | 6057.0 | 5929.4 | 5870.6 | 5811.6 |
| 6544.8 | 20°   | 6667.7 | 6790.5 | 6762.1 | 6733.5 | 6547.9 | 6362.5 | 6205.9 | 6049.7 | 5974.4 | 5899.0 |
| 6377.2 | 22.5° | 6537.0 | 6696.8 | 6714.0 | 6731.0 | 6553.7 | 6376.4 | 6215.3 | 6054.0 | 5974.7 | 5895.2 |
| 6076.3 | 25°   | 6233.5 | 6390.8 | 6449.6 | 6508.1 | 6362.7 | 6217.6 | 6074.2 | 5931.4 | 5862.5 | 5793.8 |
| 5737.4 | 27.5° | 5863.5 | 5989.6 | 6055.0 | 6120.6 | 6017.0 | 5913.6 | 5802.5 | 5691.3 | 5645.2 | 5598.8 |
| 5397.0 | 30°   | 5501.6 | 5606.4 | 5659.6 | 5712.8 | 5634.0 | 5555.0 | 5475.5 | 5395.4 | 5371.9 | 5348.1 |
| 5051.7 | 32.5° | 5152.0 | 5252.6 | 5311.6 | 5370.9 | 5298.4 | 5225.7 | 5162.2 | 5098.6 | 5083.1 | 5067.7 |
| 4716.1 | 35°   | 4815.4 | 4915.0 | 4985.9 | 5056.8 | 5005.1 | 4953.7 | 4894.9 | 4836.4 | 4812.9 | 4789.6 |
| 4395.7 | 37.5° | 4494.8 | 4594.0 | 4681.7 | 4769.3 | 4745.5 | 4721.7 | 4667.7 | 4613.5 | 4570.7 | 4528.2 |
| 4096.1 | 40°   | 4191.8 | 4287.6 | 4388.4 | 4489.4 | 4495.3 | 4500.8 | 4455.0 | 4409.1 | 4346.8 | 4285.0 |
| 3821.5 | 42.5° | 3912.2 | 4003.1 | 4112.0 | 4221.0 | 4250.1 | 4279.2 | 4240.5 | 4202.0 | 4124.7 | 4047.5 |
| 3586.0 | 45°   | 3672.1 | 3758.2 | 3871.2 | 3984.1 | 4025.9 | 4067.7 | 4032.8 | 3998.1 | 3909.7 | 3821.5 |
| 3397.8 | 47.5° | 3482.1 | 3566.2 | 3677.7 | 3789.1 | 3837.2 | 3885.4 | 3861.0 | 3836.7 | 3758.2 | 3679.7 |
| 3261.0 | 50°   | 3340.5 | 3419.8 | 3519.6 | 3619.4 | 3681.2 | 3743.0 | 3741.5 | 3740.5 | 3677.7 | 3614.9 |
| 3171.1 | 52.5° | 3244.0 | 3316.7 | 3409.7 | 3502.9 | 3576.1 | 3649.3 | 3662.5 | 3675.6 | 3624.5 | 3573.3 |
| 3103.2 | 55°   | 3181.7 | 3260.3 | 3341.8 | 3423.1 | 3500.6 | 3578.4 | 3596.6 | 3614.9 | 3570.3 | 3525.7 |
| 3011.5 | 57.5° | 3103.7 | 3195.9 | 3276.5 | 3357.3 | 3435.5 | 3513.5 | 3532.0 | 3550.5 | 3505.4 | 3460.4 |
| 2887.9 | 60°   | 2993.8 | 3099.7 | 3181.5 | 3263.5 | 3342.1 | 3420.6 | 3440.8 | 3461.1 | 3417.0 | 3373.2 |
| 2713.9 | 62.5° | 2837.3 | 2960.9 | 3048.3 | 3135.6 | 3207.6 | 3279.5 | 3299.0 | 3318.5 | 3278.7 | 3239.0 |
| 2527.8 | 65°   | 2660.0 | 2792.4 | 2876.0 | 2959.6 | 3022.9 | 3086.3 | 3106.3 | 3126.0 | 3087.8 | 3049.5 |
| 2355.5 | 67.5° | 2477.6 | 2599.9 | 2679.2 | 2758.3 | 2813.0 | 2867.7 | 2887.2 | 2906.4 | 2871.2 | 2836.3 |
| 2183.8 | 70°   | 2291.2 | 2398.6 | 2467.0 | 2535.4 | 2584.8 | 2634.1 | 2652.9 | 2671.6 | 2643.0 | 2614.4 |
| 1979.4 | 72.5° | 2064.0 | 2148.3 | 2210.1 | 2271.9 | 2320.3 | 2368.7 | 2391.0 | 2413.3 | 2389.5 | 2365.7 |
| 1733.0 | 75°   | 1795.8 | 1858.6 | 1914.6 | 1970.5 | 2014.6 | 2058.7 | 2082.0 | 2105.3 | 2093.6 | 2082.0 |
| 1472.1 | 77.5° | 1523.2 | 1574.2 | 1622.3 | 1670.4 | 1716.8 | 1762.8 | 1784.6 | 1806.4 | 1790.2 | 1773.5 |
| 1175.2 | 80°   | 1217.8 | 1260.1 | 1300.6 | 1341.1 | 1376.3 | 1411.3 | 1440.2 | 1469.0 | 1461.9 | 1455.1 |
| 884.0  | 82.5° | 880.4  | 876.9  | 862.7  | 848.5  | 923.5  | 998.4  | 1047.6 | 1096.7 | 1093.7 | 1090.4 |
| 549.6  | 85°   | 531.4  | 512.9  | 473.6  | 434.4  | 504.5  | 575.0  | 635.7  | 696.5  | 691.5  | 686.4  |
| 255.3  | 87.5° | 254.5  | 253.8  | 223.9  | 193.8  | 223.1  | 252.8  | 277.3  | 301.9  | 295.8  | 289.2  |
| 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):**

| 215°   |       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6600.6 | 0°    | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 |
| 6031.7 | 2.5°  | 6014.2 | 5992.7 | 6014.2 | 6031.7 | 6048.9 | 6067.6 | 6086.4 | 6110.4 | 6134.5 | 6164.4 |
| 5651.0 | 5°    | 5633.0 | 5615.3 | 5633.0 | 5651.0 | 5669.0 | 5692.5 | 5716.1 | 5749.3 | 5782.4 | 5830.1 |
| 5423.0 | 7.5°  | 5407.1 | 5394.9 | 5407.1 | 5423.0 | 5439.2 | 5466.1 | 5493.2 | 5532.7 | 5572.2 | 5628.5 |
| 5361.0 | 10°   | 5347.3 | 5341.7 | 5347.3 | 5361.0 | 5374.7 | 5400.2 | 5425.8 | 5470.4 | 5514.5 | 5582.1 |
| 5456.7 | 12.5° | 5445.1 | 5443.0 | 5445.1 | 5456.7 | 5468.4 | 5496.7 | 5525.4 | 5582.4 | 5639.3 | 5725.5 |
| 5636.8 | 15°   | 5621.6 | 5620.3 | 5621.6 | 5636.8 | 5652.0 | 5691.5 | 5731.3 | 5817.9 | 5904.5 | 6027.1 |
| 5792.3 | 17.5° | 5772.8 | 5769.8 | 5772.8 | 5792.3 | 5811.6 | 5870.6 | 5929.4 | 6057.0 | 6184.7 | 6347.0 |
| 5874.9 | 20°   | 5850.8 | 5843.2 | 5850.8 | 5874.9 | 5899.0 | 5974.4 | 6049.7 | 6205.9 | 6362.5 | 6547.9 |
| 5868.6 | 22.5° | 5842.0 | 5830.6 | 5842.0 | 5868.6 | 5895.2 | 5974.7 | 6054.0 | 6215.3 | 6376.4 | 6553.7 |
| 5768.8 | 25°   | 5743.9 | 5729.3 | 5743.9 | 5768.8 | 5793.8 | 5862.5 | 5931.4 | 6074.2 | 6217.6 | 6362.7 |
| 5587.4 | 27.5° | 5576.0 | 5572.2 | 5576.0 | 5587.4 | 5598.8 | 5645.2 | 5691.3 | 5802.5 | 5913.6 | 6017.0 |
| 5348.1 | 30°   | 5348.1 | 5351.9 | 5348.1 | 5348.1 | 5348.1 | 5371.9 | 5395.4 | 5475.5 | 5555.0 | 5634.0 |
| 5069.7 | 32.5° | 5072.0 | 5075.8 | 5072.0 | 5069.7 | 5067.7 | 5083.1 | 5098.6 | 5162.2 | 5225.7 | 5298.4 |
| 4784.5 | 35°   | 4779.4 | 4776.9 | 4779.4 | 4784.5 | 4789.6 | 4812.9 | 4836.4 | 4894.9 | 4953.7 | 5005.1 |
| 4505.6 | 37.5° | 4483.1 | 4470.4 | 4483.1 | 4505.6 | 4528.2 | 4570.7 | 4613.5 | 4667.7 | 4721.7 | 4745.5 |
| 4243.0 | 40°   | 4201.5 | 4176.6 | 4201.5 | 4243.0 | 4285.0 | 4346.8 | 4409.1 | 4455.0 | 4500.8 | 4495.3 |
| 3986.4 | 42.5° | 3925.4 | 3885.4 | 3925.4 | 3986.4 | 4047.5 | 4124.7 | 4202.0 | 4240.5 | 4279.2 | 4250.1 |
| 3749.9 | 45°   | 3678.2 | 3632.1 | 3678.2 | 3749.9 | 3821.5 | 3909.7 | 3998.1 | 4032.8 | 4067.7 | 4025.9 |
| 3613.3 | 47.5° | 3547.2 | 3502.9 | 3547.2 | 3613.3 | 3679.7 | 3758.2 | 3836.7 | 3861.0 | 3885.4 | 3837.2 |
| 3553.6 | 50°   | 3492.3 | 3449.7 | 3492.3 | 3553.6 | 3614.9 | 3677.7 | 3740.5 | 3741.5 | 3743.0 | 3681.2 |
| 3518.4 | 52.5° | 3463.6 | 3424.4 | 3463.6 | 3518.4 | 3573.3 | 3624.5 | 3675.6 | 3662.5 | 3649.3 | 3576.1 |
| 3477.6 | 55°   | 3429.4 | 3394.0 | 3429.4 | 3477.6 | 3525.7 | 3570.3 | 3614.9 | 3596.6 | 3578.4 | 3500.6 |
| 3412.7 | 57.5° | 3364.9 | 3328.1 | 3364.9 | 3412.7 | 3460.4 | 3505.4 | 3550.5 | 3532.0 | 3513.5 | 3435.5 |
| 3324.1 | 60°   | 3274.9 | 3237.0 | 3274.9 | 3324.1 | 3373.2 | 3417.0 | 3461.1 | 3440.8 | 3420.6 | 3342.1 |
| 3187.3 | 62.5° | 3135.6 | 3090.1 | 3135.6 | 3187.3 | 3239.0 | 3278.7 | 3318.5 | 3299.0 | 3279.5 | 3207.6 |
| 2999.4 | 65°   | 2949.5 | 2910.2 | 2949.5 | 2999.4 | 3049.5 | 3087.8 | 3126.0 | 3106.3 | 3086.3 | 3022.9 |
| 2789.7 | 67.5° | 2743.1 | 2707.6 | 2743.1 | 2789.7 | 2836.3 | 2871.2 | 2906.4 | 2887.2 | 2867.7 | 2813.0 |
| 2569.8 | 70°   | 2525.2 | 2484.7 | 2525.2 | 2569.8 | 2614.4 | 2643.0 | 2671.6 | 2652.9 | 2634.1 | 2584.8 |
| 2323.1 | 72.5° | 2280.8 | 2241.6 | 2280.8 | 2323.1 | 2365.7 | 2389.5 | 2413.3 | 2391.0 | 2368.7 | 2320.3 |
| 2046.3 | 75°   | 2010.6 | 1973.1 | 2010.6 | 2046.3 | 2082.0 | 2093.6 | 2105.3 | 2082.0 | 2058.7 | 2014.6 |
| 1737.5 | 77.5° | 1701.6 | 1671.7 | 1701.6 | 1737.5 | 1773.5 | 1790.2 | 1806.4 | 1784.6 | 1762.8 | 1716.8 |
| 1406.7 | 80°   | 1358.1 | 1301.9 | 1358.1 | 1406.7 | 1455.1 | 1461.9 | 1469.0 | 1440.2 | 1411.3 | 1376.3 |
| 1049.6 | 82.5° | 1008.6 | 972.6  | 1008.6 | 1049.6 | 1090.4 | 1093.7 | 1096.7 | 1047.6 | 998.4  | 923.5  |
| 654.5  | 85°   | 622.6  | 590.1  | 622.6  | 654.5  | 686.4  | 691.5  | 696.5  | 635.7  | 575.0  | 504.5  |
| 273.0  | 87.5° | 256.3  | 240.6  | 256.3  | 273.0  | 289.2  | 295.8  | 301.9  | 277.3  | 252.8  | 223.1  |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6600.6 | 0°    | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 | 6600.6 |
| 6194.0 | 2.5°  | 6232.3 | 6270.8 | 6309.0 | 6347.3 | 6390.8 | 6434.7 | 6483.0 | 6531.7 | 6591.7 | 6645.6 |
| 5877.4 | 5°    | 5939.2 | 6000.8 | 6068.7 | 6136.5 | 6213.3 | 6290.3 | 6382.2 | 6473.9 | 6579.0 | 6685.4 |
| 5684.9 | 7.5°  | 5760.2 | 5835.6 | 5921.2 | 6006.6 | 6107.9 | 6209.2 | 6331.1 | 6453.1 | 6589.2 | 6734.3 |
| 5649.5 | 10°   | 5734.3 | 5819.2 | 5911.4 | 6003.3 | 6104.6 | 6205.9 | 6334.6 | 6463.3 | 6609.4 | 6788.5 |
| 5811.6 | 12.5° | 5899.2 | 5987.1 | 6059.0 | 6131.5 | 6198.3 | 6265.7 | 6370.6 | 6475.9 | 6611.9 | 6800.1 |
| 6149.7 | 15°   | 6225.9 | 6302.2 | 6320.9 | 6339.7 | 6330.6 | 6321.4 | 6371.6 | 6422.0 | 6530.9 | 6739.3 |
| 6509.4 | 17.5° | 6570.7 | 6632.2 | 6573.7 | 6514.9 | 6404.5 | 6294.1 | 6275.8 | 6257.4 | 6324.5 | 6569.7 |
| 6733.5 | 20°   | 6762.1 | 6790.5 | 6667.7 | 6544.8 | 6352.8 | 6161.1 | 6075.0 | 5988.9 | 6006.6 | 6292.1 |
| 6731.0 | 22.5° | 6714.0 | 6696.8 | 6537.0 | 6377.2 | 6157.8 | 5939.0 | 5811.6 | 5684.2 | 5649.5 | 5974.4 |
| 6508.1 | 25°   | 6449.6 | 6390.8 | 6233.5 | 6076.3 | 5879.2 | 5682.4 | 5535.5 | 5388.6 | 5294.9 | 5627.9 |
| 6120.6 | 27.5° | 6055.0 | 5989.6 | 5863.5 | 5737.4 | 5575.8 | 5413.9 | 5272.1 | 5130.2 | 5016.3 | 5319.4 |
| 5712.8 | 30°   | 5659.6 | 5606.4 | 5501.6 | 5397.0 | 5262.7 | 5128.5 | 5015.5 | 4903.0 | 4813.6 | 5068.2 |
| 5370.9 | 32.5° | 5311.6 | 5252.6 | 5152.0 | 5051.7 | 4944.3 | 4837.2 | 4770.6 | 4704.0 | 4664.2 | 4869.4 |
| 5056.8 | 35°   | 4985.9 | 4915.0 | 4815.4 | 4716.1 | 4634.6 | 4552.8 | 4534.3 | 4516.0 | 4532.5 | 4703.5 |
| 4769.3 | 37.5° | 4681.7 | 4594.0 | 4494.8 | 4395.7 | 4337.2 | 4278.5 | 4298.7 | 4319.0 | 4379.3 | 4528.7 |
| 4489.4 | 40°   | 4388.4 | 4287.6 | 4191.8 | 4096.1 | 4053.8 | 4011.5 | 4057.3 | 4103.2 | 4195.6 | 4331.1 |
| 4221.0 | 42.5° | 4112.0 | 4003.1 | 3912.2 | 3821.5 | 3786.8 | 3752.4 | 3813.2 | 3874.0 | 3990.5 | 4115.3 |
| 3984.1 | 45°   | 3871.2 | 3758.2 | 3672.1 | 3586.0 | 3556.6 | 3527.7 | 3586.7 | 3646.0 | 3758.7 | 3885.4 |
| 3789.1 | 47.5° | 3677.7 | 3566.2 | 3482.1 | 3397.8 | 3370.7 | 3343.3 | 3393.0 | 3442.6 | 3539.6 | 3703.0 |
| 3619.4 | 50°   | 3519.6 | 3419.8 | 3340.5 | 3261.0 | 3218.2 | 3175.7 | 3219.5 | 3263.5 | 3376.3 | 3591.0 |
| 3502.9 | 52.5° | 3409.7 | 3316.7 | 3244.0 | 3171.1 | 3107.3 | 3043.2 | 3086.5 | 3130.1 | 3287.6 | 3534.6 |
| 3423.1 | 55°   | 3341.8 | 3260.3 | 3181.7 | 3103.2 | 3012.5 | 2921.6 | 2990.3 | 3059.2 | 3296.5 | 3526.2 |
| 3357.3 | 57.5° | 3276.5 | 3195.9 | 3103.7 | 3011.5 | 2913.8 | 2816.0 | 2916.3 | 3016.6 | 3305.3 | 3508.0 |
| 3263.5 | 60°   | 3181.5 | 3099.7 | 2993.8 | 2887.9 | 2802.3 | 2716.5 | 2846.6 | 2976.6 | 3277.5 | 3411.2 |
| 3135.6 | 62.5° | 3048.3 | 2960.9 | 2837.3 | 2713.9 | 2659.5 | 2605.0 | 2767.4 | 2930.0 | 3209.1 | 3225.6 |
| 2959.6 | 65°   | 2876.0 | 2792.4 | 2660.0 | 2527.8 | 2507.0 | 2486.0 | 2659.0 | 2831.7 | 3044.5 | 3042.4 |
| 2758.3 | 67.5° | 2679.2 | 2599.9 | 2477.6 | 2355.5 | 2362.1 | 2368.7 | 2512.6 | 2656.4 | 2776.0 | 2781.6 |
| 2535.4 | 70°   | 2467.0 | 2398.6 | 2291.2 | 2183.8 | 2206.6 | 2229.4 | 2331.7 | 2434.0 | 2473.3 | 2473.3 |
| 2271.9 | 72.5° | 2210.1 | 2148.3 | 2064.0 | 1979.4 | 2012.6 | 2046.0 | 2116.2 | 2186.3 | 2185.8 | 2161.0 |
| 1970.5 | 75°   | 1914.6 | 1858.6 | 1795.8 | 1733.0 | 1765.1 | 1797.0 | 1851.2 | 1905.2 | 1914.8 | 1800.3 |
| 1670.4 | 77.5° | 1622.3 | 1574.2 | 1523.2 | 1472.1 | 1504.5 | 1536.9 | 1580.2 | 1623.5 | 1628.6 | 1439.9 |
| 1341.1 | 80°   | 1300.6 | 1260.1 | 1217.8 | 1175.2 | 1202.6 | 1229.7 | 1266.2 | 1302.4 | 1303.1 | 1077.7 |
| 848.5  | 82.5° | 862.7  | 876.9  | 880.4  | 884.0  | 903.2  | 922.5  | 940.2  | 957.9  | 947.3  | 754.8  |
| 434.4  | 85°   | 473.6  | 512.9  | 531.4  | 549.6  | 571.2  | 592.7  | 611.7  | 630.7  | 616.7  | 473.6  |
| 193.8  | 87.5° | 223.9  | 253.8  | 254.5  | 255.3  | 259.4  | 263.4  | 271.0  | 278.6  | 260.9  | 201.4  |
| 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°    |
|--------|-------|--------|--------|--------|---------|---------|---------|---------|
| 6600.6 | 0°    | 6600.6 | 6600.6 | 6600.6 | 6600.6  | 6600.6  | 6600.6  | 6600.6  |
| 6701.4 | 2.5°  | 6757.1 | 6815.3 | 6873.6 | 6931.3  | 6989.3  | 7043.8  | 7098.3  |
| 6798.1 | 5°    | 6910.8 | 7031.4 | 7152.2 | 7272.0  | 7392.1  | 7512.4  | 7632.7  |
| 6891.6 | 7.5°  | 7048.9 | 7227.4 | 7406.0 | 7589.4  | 7772.7  | 7971.1  | 8169.6  |
| 6974.9 | 10°   | 7160.8 | 7377.9 | 7594.7 | 7836.8  | 8079.2  | 8330.2  | 8581.2  |
| 7010.6 | 12.5° | 7221.1 | 7476.9 | 7732.7 | 8007.3  | 8281.8  | 8557.4  | 8833.2  |
| 6983.0 | 15°   | 7226.7 | 7521.2 | 7815.8 | 8113.7  | 8411.5  | 8699.0  | 8986.5  |
| 6862.7 | 17.5° | 7155.7 | 7497.7 | 7839.6 | 8164.6  | 8489.5  | 8781.1  | 9072.6  |
| 6655.3 | 20°   | 7018.5 | 7432.8 | 7847.2 | 8204.3  | 8561.5  | 8864.6  | 9167.6  |
| 6411.9 | 22.5° | 6849.3 | 7353.3 | 7857.3 | 8258.0  | 8658.5  | 8968.2  | 9277.8  |
| 6140.1 | 25°   | 6652.5 | 7274.8 | 7897.4 | 8355.3  | 8813.0  | 9116.2  | 9419.6  |
| 5891.6 | 27.5° | 6463.8 | 7222.4 | 7980.9 | 8507.3  | 9033.3  | 9322.8  | 9612.1  |
| 5683.9 | 30°   | 6299.7 | 7197.8 | 8095.4 | 8704.1  | 9312.7  | 9592.1  | 9871.7  |
| 5504.8 | 32.5° | 6140.1 | 7167.4 | 8194.2 | 8909.5  | 9624.7  | 9901.3  | 10178.2 |
| 5328.8 | 35°   | 5954.2 | 7110.2 | 8266.6 | 9143.5  | 10020.4 | 10285.6 | 10550.5 |
| 5121.6 | 37.5° | 5714.6 | 7012.1 | 8309.7 | 9405.7  | 10501.6 | 10839.5 | 11177.4 |
| 4874.4 | 40°   | 5417.7 | 6877.1 | 8336.8 | 9738.5  | 11139.9 | 11632.3 | 12124.6 |
| 4601.6 | 42.5° | 5087.9 | 6737.8 | 8388.2 | 10173.9 | 11959.5 | 12670.2 | 13380.9 |
| 4311.9 | 45°   | 4738.4 | 6608.4 | 8478.6 | 10746.8 | 13014.9 | 13973.6 | 14932.3 |
| 4082.7 | 47.5° | 4462.3 | 6501.5 | 8540.7 | 11357.2 | 14173.7 | 15523.2 | 16872.4 |
| 3930.4 | 50°   | 4269.8 | 6385.0 | 8500.2 | 11923.5 | 15346.9 | 17381.3 | 19415.4 |
| 3830.1 | 52.5° | 4126.0 | 6188.2 | 8250.7 | 12291.3 | 16331.7 | 19333.1 | 22334.5 |
| 3757.5 | 55°   | 3988.7 | 5862.0 | 7735.3 | 12210.3 | 16685.0 | 21063.5 | 25442.3 |
| 3671.3 | 57.5° | 3834.7 | 5402.0 | 6969.1 | 11639.9 | 16310.9 | 22289.9 | 28268.9 |
| 3539.6 | 60°   | 3668.0 | 4804.8 | 5941.5 | 10578.4 | 15215.2 | 22596.4 | 29977.3 |
| 3310.7 | 62.5° | 3396.0 | 4090.0 | 4784.0 | 9143.0  | 13502.0 | 21305.9 | 29109.8 |
| 3082.7 | 65°   | 3123.0 | 3446.9 | 3770.9 | 7678.5  | 11586.4 | 19480.0 | 27373.5 |
| 2759.3 | 67.5° | 2736.7 | 2828.9 | 2920.9 | 6243.9  | 9567.0  | 17307.1 | 25047.1 |
| 2369.2 | 70°   | 2264.9 | 2238.8 | 2212.4 | 4916.2  | 7620.0  | 14936.1 | 22252.2 |
| 2013.3 | 72.5° | 1865.4 | 1785.9 | 1706.6 | 3758.5  | 5810.3  | 12365.8 | 18921.5 |
| 1634.7 | 75°   | 1469.0 | 1397.1 | 1325.2 | 2727.9  | 4130.5  | 9419.3  | 14708.1 |
| 1279.1 | 77.5° | 1118.2 | 1069.1 | 1020.2 | 1848.5  | 2676.7  | 6592.7  | 10508.7 |
| 941.7  | 80°   | 805.4  | 785.2  | 764.9  | 1190.9  | 1617.2  | 4247.6  | 6877.9  |
| 654.5  | 82.5° | 554.2  | 550.1  | 546.6  | 732.5   | 918.9   | 2458.4  | 3998.1  |
| 400.2  | 85°   | 326.7  | 328.8  | 330.5  | 391.6   | 452.9   | 1105.8  | 1759.0  |
| 171.2  | 87.5° | 141.3  | 143.1  | 144.9  | 162.4   | 179.8   | 362.2   | 544.6   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

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