

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: P954983

Luminaire Tested: **GALN-SB8A-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954983
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-SB8A-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31428 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

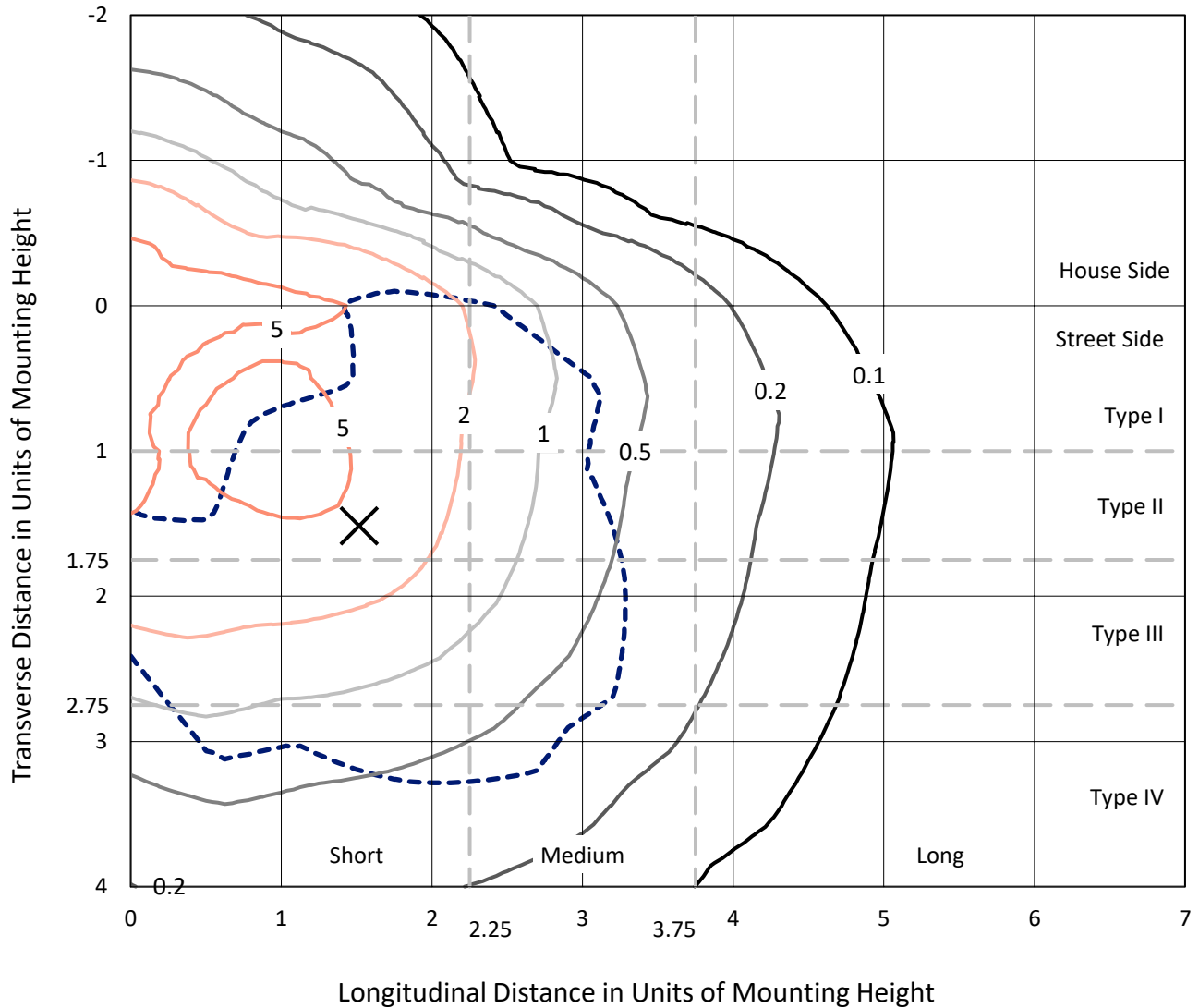
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954983
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Iso-Footcandle Lines of Horizontal Illumination

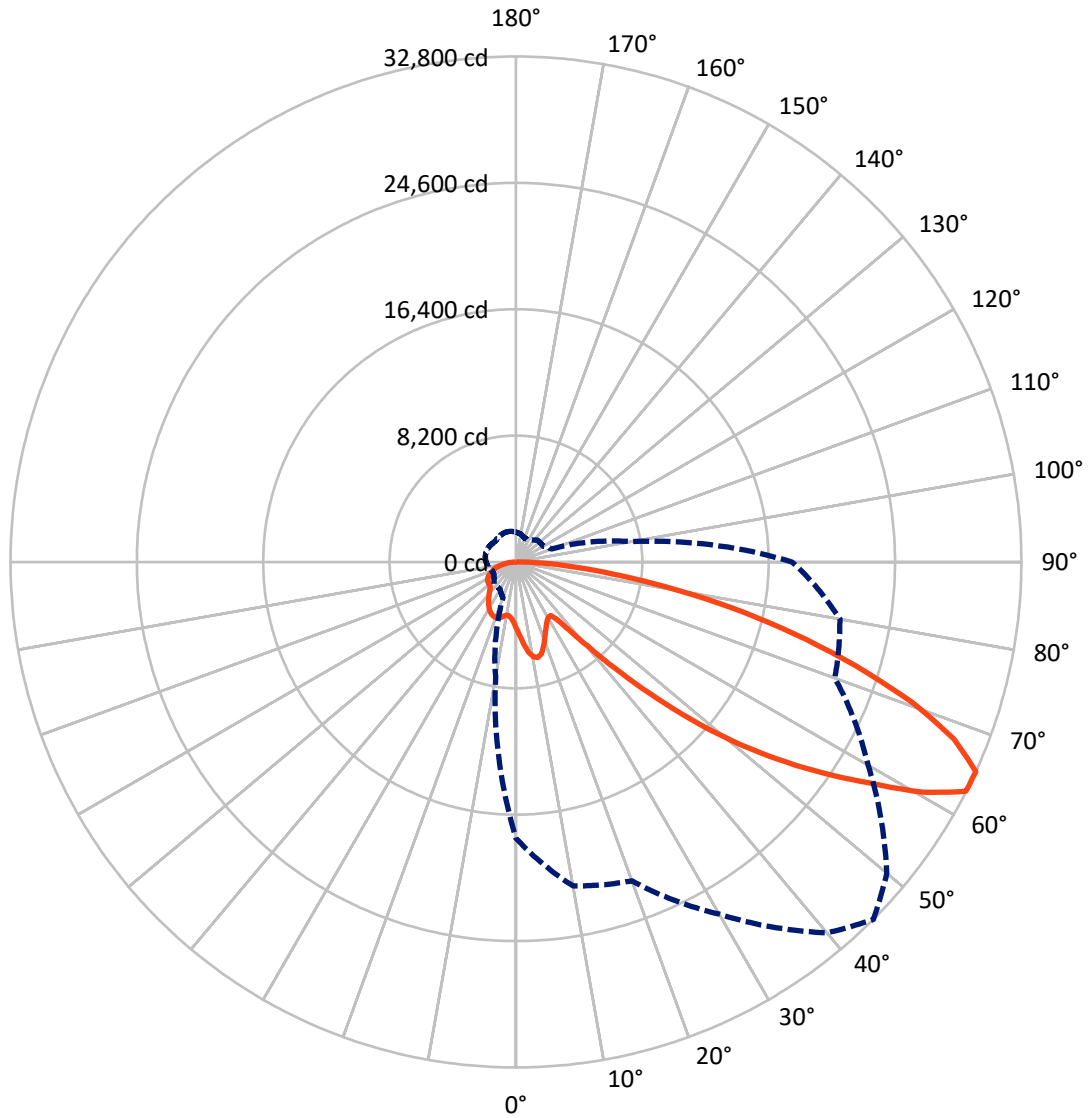
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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CATALOG NUMBER: GALN-SB8A-827-U-SLL

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7987.4 | 0.0 | 7987.4 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 23440.6 | 0.0 | 23440.6 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 31428.0 | 0.0 | 31428.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 428.7 | 1.4 |
| 10°-20° | 1345.8 | 4.3 |
| 20°-30° | 2078.8 | 6.6 |
| 30°-40° | 2634.3 | 8.4 |
| 40°-50° | 3973.2 | 12.6 |
| 50°-60° | 6419.3 | 20.4 |
| 60°-70° | 8002.7 | 25.5 |
| 70°-80° | 5247.8 | 16.7 |
| 80°-90° | 1297.4 | 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° | 31428.0 | 100.0 |
| 0°-180° | 31428.0 | 100.0 |

Coefficient of Utilization



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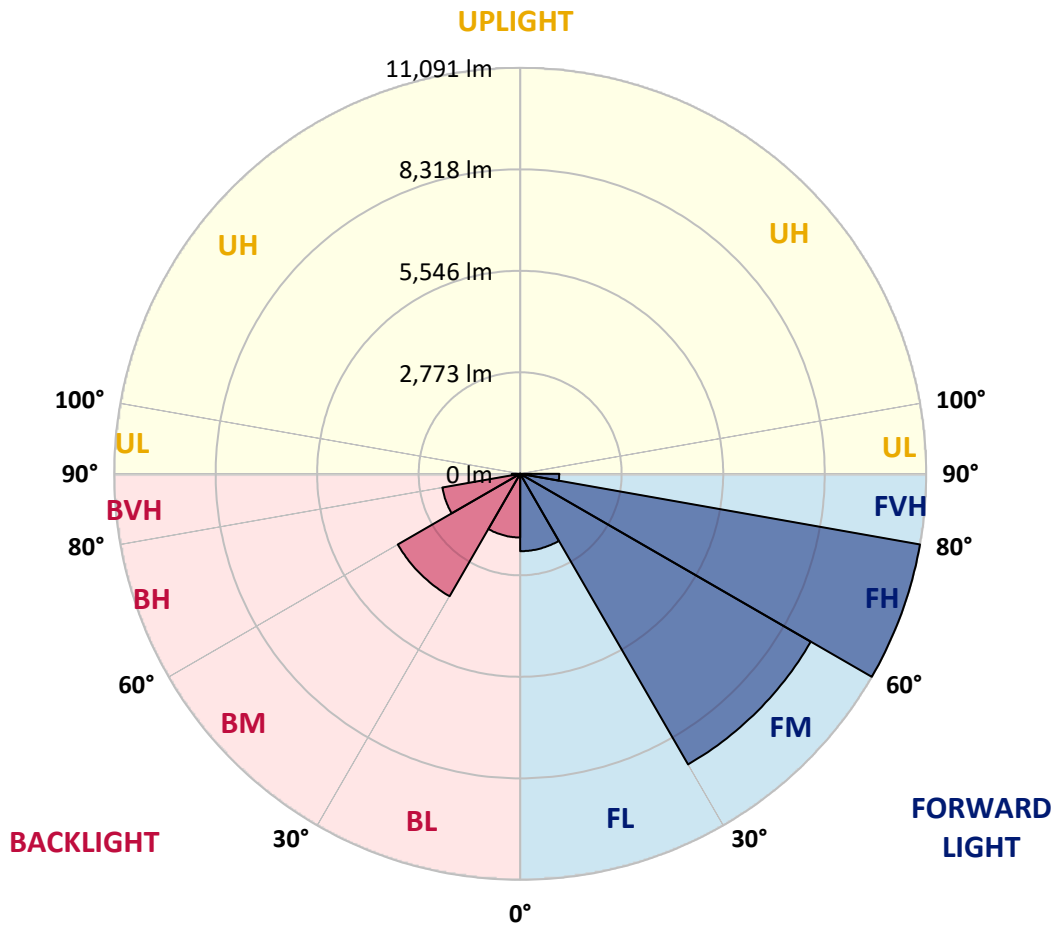
CATALOG NUMBER: GALN-SB8A-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2113.9 | 6.7 | | | |
| FM (30°-60°) | 9166.9 | 29.2 | | | |
| FH (60°-80°) | 11091.1 | 35.3 | | | G4/12000 |
| FVH (80°-90°) | 1068.8 | 3.4 | | | G5 |
| BL (0°-30°) | 1739.4 | 5.5 | B3/2500 | | |
| BM (30°-60°) | 3860.0 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 2159.4 | 6.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 228.6 | 0.7 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 2.5° | 4647.5 | 4665.1 | 4682.8 | 4707.8 | 4732.9 | 4747.8 | 4762.7 | 4770.2 | 4777.7 | 4774.3 |
| 5° | 4997.4 | 5058.9 | 5120.6 | 5181.6 | 5242.8 | 5276.0 | 5309.2 | 5329.2 | 5349.5 | 5364.7 |
| 7.5° | 5349.0 | 5449.1 | 5549.1 | 5639.2 | 5729.2 | 5783.4 | 5837.7 | 5867.0 | 5896.2 | 5910.3 |
| 10° | 5618.4 | 5736.8 | 5855.2 | 5960.9 | 6066.5 | 6130.5 | 6194.2 | 6222.7 | 6251.1 | 6261.9 |
| 12.5° | 5783.4 | 5911.8 | 6040.0 | 6135.5 | 6230.7 | 6277.1 | 6323.6 | 6339.2 | 6354.7 | 6356.4 |
| 15° | 5883.8 | 5994.5 | 6105.2 | 6165.0 | 6225.1 | 6226.7 | 6228.4 | 6211.8 | 6195.2 | 6175.6 |
| 17.5° | 5940.2 | 6014.9 | 6089.7 | 6090.9 | 6091.9 | 6024.7 | 5957.6 | 5896.0 | 5834.4 | 5790.9 |
| 20° | 6002.3 | 6028.4 | 6054.6 | 5975.8 | 5897.0 | 5748.8 | 5600.5 | 5492.6 | 5384.6 | 5318.3 |
| 22.5° | 6074.5 | 6040.3 | 6006.2 | 5843.0 | 5679.8 | 5461.7 | 5243.7 | 5108.7 | 4973.7 | 4900.4 |
| 25° | 6167.3 | 6059.6 | 5951.8 | 5704.0 | 5456.3 | 5191.4 | 4926.6 | 4784.6 | 4643.0 | 4573.7 |
| 27.5° | 6293.4 | 6100.7 | 5907.8 | 5579.6 | 5251.6 | 4958.1 | 4664.6 | 4524.9 | 4385.5 | 4320.0 |
| 30° | 6463.4 | 6176.0 | 5888.7 | 5484.8 | 5080.8 | 4775.0 | 4469.2 | 4339.7 | 4210.2 | 4149.2 |
| 32.5° | 6664.0 | 6270.5 | 5877.1 | 5420.1 | 4963.1 | 4675.7 | 4388.3 | 4286.6 | 4184.8 | 4140.9 |
| 35° | 6907.8 | 6426.2 | 5944.8 | 5468.5 | 4992.4 | 4792.8 | 4593.3 | 4569.5 | 4545.8 | 4542.2 |
| 37.5° | 7318.2 | 6751.7 | 6185.3 | 5752.4 | 5319.6 | 5306.7 | 5293.7 | 5402.2 | 5510.6 | 5567.0 |
| 40° | 7938.4 | 7322.4 | 6706.3 | 6384.4 | 6062.5 | 6289.7 | 6516.9 | 6780.6 | 7044.3 | 7175.6 |
| 42.5° | 8761.0 | 8149.7 | 7538.5 | 7353.1 | 7167.7 | 7663.2 | 8158.7 | 8638.3 | 9117.9 | 9399.4 |
| 45° | 9776.7 | 9227.6 | 8678.4 | 8596.6 | 8514.7 | 9308.6 | 10102.6 | 10890.6 | 11678.8 | 12157.3 |
| 47.5° | 11047.0 | 10512.8 | 9978.5 | 9961.9 | 9945.4 | 11090.6 | 12235.5 | 13389.2 | 14542.8 | 15220.2 |
| 50° | 12712.0 | 12052.1 | 11392.4 | 11395.2 | 11398.1 | 12874.0 | 14349.9 | 15872.8 | 17395.6 | 18316.3 |
| 52.5° | 14623.2 | 13824.2 | 13025.4 | 12944.6 | 12863.7 | 14626.7 | 16389.7 | 18273.9 | 20157.9 | 21261.5 |
| 55° | 16658.0 | 15868.6 | 15079.2 | 14764.3 | 14449.4 | 16411.5 | 18373.5 | 20619.7 | 22866.0 | 24178.5 |
| 57.5° | 18508.7 | 18078.8 | 17648.8 | 17017.2 | 16385.7 | 18366.9 | 20348.1 | 22892.3 | 25436.4 | 27064.0 |
| 60° | 19627.2 | 20294.9 | 20962.7 | 20178.3 | 19393.9 | 21268.8 | 23143.7 | 25867.7 | 28591.7 | 30350.8 |
| 62.5° | 19059.2 | 20883.6 | 22707.9 | 22619.5 | 22531.0 | 24248.5 | 25966.2 | 28557.9 | 31149.3 | 32775.3 |
| 65° | 17922.5 | 19634.7 | 21346.9 | 21685.7 | 22024.3 | 24207.0 | 26389.9 | 28903.0 | 31415.8 | 32800.2 |
| 67.5° | 16399.3 | 18027.8 | 19656.2 | 19815.1 | 19973.8 | 22248.1 | 24522.1 | 27045.9 | 29569.8 | 30654.3 |
| 70° | 14569.3 | 16340.6 | 18112.0 | 18183.0 | 18254.1 | 20287.9 | 22321.5 | 24493.4 | 26665.2 | 27268.0 |
| 72.5° | 12388.6 | 14421.2 | 16454.0 | 16505.1 | 16556.0 | 18147.2 | 19738.3 | 21365.0 | 22991.5 | 23052.5 |
| 75° | 9630.0 | 11733.7 | 13837.5 | 14026.4 | 14215.2 | 15453.2 | 16691.1 | 17836.2 | 18981.3 | 18674.5 |
| 77.5° | 6880.4 | 8844.2 | 10808.2 | 11078.5 | 11348.8 | 12289.9 | 13231.0 | 14043.1 | 14855.4 | 14328.0 |
| 80° | 4503.2 | 6155.4 | 7807.4 | 8143.4 | 8479.4 | 9190.2 | 9900.6 | 10327.1 | 10753.5 | 9905.2 |
| 82.5° | 2617.7 | 3747.2 | 4876.8 | 5252.1 | 5627.6 | 6116.8 | 6606.0 | 6783.9 | 6961.7 | 6295.0 |
| 85° | 1151.7 | 1751.2 | 2350.7 | 2669.9 | 2989.1 | 3391.1 | 3792.9 | 3893.9 | 3994.9 | 3460.9 |
| 87.5° | 356.5 | 558.0 | 759.5 | 937.6 | 1115.7 | 1316.7 | 1517.7 | 1526.3 | 1534.8 | 1288.5 |
| 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° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 4777.7 | 2.5° | 4770.2 | 4762.7 | 4747.8 | 4732.9 | 4707.8 | 4682.8 | 4665.1 | 4647.5 | 4611.8 | 4576.2 |
| 5349.5 | 5° | 5329.2 | 5309.2 | 5276.0 | 5242.8 | 5181.6 | 5120.6 | 5058.9 | 4997.4 | 4918.6 | 4839.9 |
| 5896.2 | 7.5° | 5867.0 | 5837.7 | 5783.4 | 5729.2 | 5639.2 | 5549.1 | 5449.1 | 5349.0 | 5218.9 | 5089.1 |
| 6251.1 | 10° | 6222.7 | 6194.2 | 6130.5 | 6066.5 | 5960.9 | 5855.2 | 5736.8 | 5618.4 | 5454.1 | 5289.8 |
| 6354.7 | 12.5° | 6339.2 | 6323.6 | 6277.1 | 6230.7 | 6135.5 | 6040.0 | 5911.8 | 5783.4 | 5602.9 | 5422.4 |
| 6195.2 | 15° | 6211.8 | 6228.4 | 6226.7 | 6225.1 | 6165.0 | 6105.2 | 5994.5 | 5883.8 | 5695.6 | 5507.3 |
| 5834.4 | 17.5° | 5896.0 | 5957.6 | 6024.7 | 6091.9 | 6090.9 | 6089.7 | 6014.9 | 5940.2 | 5749.3 | 5558.4 |
| 5384.6 | 20° | 5492.6 | 5600.5 | 5748.8 | 5897.0 | 5975.8 | 6054.6 | 6028.4 | 6002.3 | 5804.0 | 5605.5 |
| 4973.7 | 22.5° | 5108.7 | 5243.7 | 5461.7 | 5679.8 | 5843.0 | 6006.2 | 6040.3 | 6074.5 | 5871.8 | 5669.0 |
| 4643.0 | 25° | 4784.6 | 4926.6 | 5191.4 | 5456.3 | 5704.0 | 5951.8 | 6059.6 | 6167.3 | 5968.7 | 5770.2 |
| 4385.5 | 27.5° | 4524.9 | 4664.6 | 4958.1 | 5251.6 | 5579.6 | 5907.8 | 6100.7 | 6293.4 | 6104.0 | 5914.5 |
| 4210.2 | 30° | 4339.7 | 4469.2 | 4775.0 | 5080.8 | 5484.8 | 5888.7 | 6176.0 | 6463.4 | 6280.3 | 6097.4 |
| 4184.8 | 32.5° | 4286.6 | 4388.3 | 4675.7 | 4963.1 | 5420.1 | 5877.1 | 6270.5 | 6664.0 | 6482.8 | 6301.7 |
| 4545.8 | 35° | 4569.5 | 4593.3 | 4792.8 | 4992.4 | 5468.5 | 5944.8 | 6426.2 | 6907.8 | 6734.3 | 6560.7 |
| 5510.6 | 37.5° | 5402.2 | 5293.7 | 5306.7 | 5319.6 | 5752.4 | 6185.3 | 6751.7 | 7318.2 | 7097.0 | 6875.8 |
| 7044.3 | 40° | 6780.6 | 6516.9 | 6289.7 | 6062.5 | 6384.4 | 6706.3 | 7322.4 | 7938.4 | 7616.1 | 7293.7 |
| 9117.9 | 42.5° | 8638.3 | 8158.7 | 7663.2 | 7167.7 | 7353.1 | 7538.5 | 8149.7 | 8761.0 | 8295.7 | 7830.3 |
| 11678.8 | 45° | 10890.6 | 10102.6 | 9308.6 | 8514.7 | 8596.6 | 8678.4 | 9227.6 | 9776.7 | 9149.0 | 8521.4 |
| 14542.8 | 47.5° | 13389.2 | 12235.5 | 11090.6 | 9945.4 | 9961.9 | 9978.5 | 10512.8 | 11047.0 | 10163.6 | 9280.0 |
| 17395.6 | 50° | 15872.8 | 14349.9 | 12874.0 | 11398.1 | 11395.2 | 11392.4 | 12052.1 | 12712.0 | 11380.2 | 10048.2 |
| 20157.9 | 52.5° | 18273.9 | 16389.7 | 14626.7 | 12863.7 | 12944.6 | 13025.4 | 13824.2 | 14623.2 | 12658.1 | 10692.9 |
| 22866.0 | 55° | 20619.7 | 18373.5 | 16411.5 | 14449.4 | 14764.3 | 15079.2 | 15868.6 | 16658.0 | 13791.0 | 10924.3 |
| 25436.4 | 57.5° | 22892.3 | 20348.1 | 18366.9 | 16385.7 | 17017.2 | 17648.8 | 18078.8 | 18508.7 | 14594.0 | 10679.3 |
| 28591.7 | 60° | 25867.7 | 23143.7 | 21268.8 | 19393.9 | 20178.3 | 20962.7 | 20294.9 | 19627.2 | 14794.7 | 9961.9 |
| 31149.3 | 62.5° | 28557.9 | 25966.2 | 24248.5 | 22531.0 | 22619.5 | 22707.9 | 20883.6 | 19059.2 | 13949.7 | 8840.3 |
| 31415.8 | 65° | 28903.0 | 26389.9 | 24207.0 | 22024.3 | 21685.7 | 21346.9 | 19634.7 | 17922.5 | 12754.3 | 7586.1 |
| 29569.8 | 67.5° | 27045.9 | 24522.1 | 22248.1 | 19973.8 | 19815.1 | 19656.2 | 18027.8 | 16399.3 | 11331.6 | 6263.9 |
| 26665.2 | 70° | 24493.4 | 22321.5 | 20287.9 | 18254.1 | 18183.0 | 18112.0 | 16340.6 | 14569.3 | 9779.2 | 4989.1 |
| 22991.5 | 72.5° | 21365.0 | 19738.3 | 18147.2 | 16556.0 | 16505.1 | 16454.0 | 14421.2 | 12388.6 | 8096.3 | 3804.2 |
| 18981.3 | 75° | 17836.2 | 16691.1 | 15453.2 | 14215.2 | 14026.4 | 13837.5 | 11733.7 | 9630.0 | 6167.2 | 2704.4 |
| 14855.4 | 77.5° | 14043.1 | 13231.0 | 12289.9 | 11348.8 | 11078.5 | 10808.2 | 8844.2 | 6880.4 | 4316.5 | 1752.5 |
| 10753.5 | 80° | 10327.1 | 9900.6 | 9190.2 | 8479.4 | 8143.4 | 7807.4 | 6155.4 | 4503.2 | 2781.0 | 1058.8 |
| 6961.7 | 82.5° | 6783.9 | 6606.0 | 6116.8 | 5627.6 | 5252.1 | 4876.8 | 3747.2 | 2617.7 | 1609.6 | 601.6 |
| 3994.9 | 85° | 3893.9 | 3792.9 | 3391.1 | 2989.1 | 2669.9 | 2350.7 | 1751.2 | 1151.7 | 724.0 | 296.5 |
| 1534.8 | 87.5° | 1526.3 | 1517.7 | 1316.7 | 1115.7 | 937.6 | 759.5 | 558.0 | 356.5 | 237.1 | 117.7 |
| 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):

| 105° | | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 4538.2 | 2.5° | 4500.4 | 4462.2 | 4424.1 | 4387.6 | 4351.1 | 4315.8 | 4276.5 | 4244.7 | 4213.0 | 4184.3 |
| 4761.2 | 5° | 4682.8 | 4603.7 | 4524.8 | 4451.0 | 4377.2 | 4307.5 | 4238.7 | 4178.7 | 4118.5 | 4068.1 |
| 4969.0 | 7.5° | 4849.0 | 4732.1 | 4615.1 | 4512.2 | 4409.2 | 4314.2 | 4225.1 | 4145.2 | 4065.4 | 3999.1 |
| 5131.1 | 10° | 4972.5 | 4830.6 | 4688.4 | 4566.7 | 4444.7 | 4327.4 | 4231.7 | 4147.5 | 4063.3 | 3996.9 |
| 5242.7 | 12.5° | 5062.9 | 4895.4 | 4727.9 | 4590.1 | 4452.3 | 4329.1 | 4240.0 | 4171.0 | 4102.4 | 4058.3 |
| 5312.3 | 15° | 5117.3 | 4924.4 | 4731.6 | 4572.0 | 4412.5 | 4276.0 | 4204.7 | 4171.7 | 4138.9 | 4144.8 |
| 5345.6 | 17.5° | 5132.9 | 4909.0 | 4685.1 | 4493.3 | 4301.4 | 4140.9 | 4096.9 | 4109.0 | 4121.0 | 4193.3 |
| 5371.7 | 20° | 5137.9 | 4866.5 | 4595.2 | 4357.4 | 4119.6 | 3932.7 | 3921.1 | 3977.5 | 4033.9 | 4159.4 |
| 5406.8 | 22.5° | 5144.5 | 4814.5 | 4484.5 | 4198.1 | 3911.7 | 3698.9 | 3721.6 | 3805.0 | 3888.5 | 4031.7 |
| 5470.5 | 25° | 5170.7 | 4763.1 | 4355.6 | 4020.1 | 3684.8 | 3466.7 | 3528.1 | 3624.3 | 3720.5 | 3849.3 |
| 5570.0 | 27.5° | 5225.4 | 4728.7 | 4232.1 | 3857.5 | 3482.8 | 3284.3 | 3359.0 | 3451.8 | 3544.7 | 3650.7 |
| 5698.9 | 30° | 5300.4 | 4712.7 | 4124.6 | 3721.5 | 3318.3 | 3151.7 | 3210.2 | 3283.8 | 3357.8 | 3445.7 |
| 5833.4 | 32.5° | 5365.0 | 4692.8 | 4020.1 | 3604.2 | 3188.1 | 3053.8 | 3079.9 | 3123.5 | 3167.1 | 3237.2 |
| 5986.6 | 35° | 5412.5 | 4655.3 | 3898.4 | 3489.0 | 3079.5 | 2967.6 | 2956.8 | 2968.8 | 2980.9 | 3034.4 |
| 6158.2 | 37.5° | 5440.7 | 4591.1 | 3741.5 | 3353.3 | 2965.1 | 2867.3 | 2827.8 | 2814.5 | 2801.3 | 2839.7 |
| 6376.1 | 40° | 5458.4 | 4502.7 | 3547.2 | 3191.5 | 2835.8 | 2747.0 | 2686.5 | 2656.5 | 2626.5 | 2654.2 |
| 6661.2 | 42.5° | 5492.1 | 4411.5 | 3331.3 | 3012.9 | 2694.5 | 2612.7 | 2536.4 | 2496.6 | 2456.8 | 2479.4 |
| 7036.3 | 45° | 5551.3 | 4326.8 | 3102.4 | 2823.1 | 2543.9 | 2461.0 | 2387.2 | 2348.4 | 2309.7 | 2328.6 |
| 7436.0 | 47.5° | 5591.9 | 4256.8 | 2921.7 | 2673.1 | 2424.5 | 2317.5 | 2254.0 | 2221.5 | 2189.0 | 2206.9 |
| 7806.8 | 50° | 5565.4 | 4180.5 | 2795.6 | 2573.4 | 2351.2 | 2210.6 | 2136.8 | 2107.9 | 2079.2 | 2107.1 |
| 8047.6 | 52.5° | 5402.0 | 4051.6 | 2701.4 | 2507.7 | 2314.2 | 2152.5 | 2049.4 | 2020.8 | 1992.5 | 2034.4 |
| 7994.5 | 55° | 5064.6 | 3838.1 | 2611.5 | 2460.1 | 2308.7 | 2158.3 | 2002.9 | 1957.8 | 1912.9 | 1972.4 |
| 7621.0 | 57.5° | 4562.9 | 3536.9 | 2510.7 | 2403.8 | 2296.8 | 2164.1 | 1975.1 | 1909.4 | 1843.7 | 1907.7 |
| 6926.0 | 60° | 3890.1 | 3145.9 | 2401.6 | 2317.5 | 2233.4 | 2145.9 | 1948.9 | 1863.8 | 1778.6 | 1834.8 |
| 5986.3 | 62.5° | 3132.3 | 2677.9 | 2223.5 | 2167.6 | 2111.9 | 2101.1 | 1918.4 | 1811.9 | 1705.6 | 1741.3 |
| 5027.4 | 65° | 2468.9 | 2256.8 | 2044.7 | 2018.4 | 1992.0 | 1993.3 | 1854.0 | 1740.9 | 1627.7 | 1641.4 |
| 4088.1 | 67.5° | 1912.4 | 1852.2 | 1791.8 | 1806.6 | 1821.2 | 1817.5 | 1739.3 | 1645.1 | 1550.9 | 1546.6 |
| 3218.8 | 70° | 1448.6 | 1465.8 | 1482.9 | 1551.2 | 1619.4 | 1619.4 | 1593.7 | 1526.7 | 1459.7 | 1444.7 |
| 2460.8 | 72.5° | 1117.4 | 1169.3 | 1221.4 | 1318.2 | 1414.9 | 1431.1 | 1431.5 | 1385.5 | 1339.6 | 1317.7 |
| 1786.0 | 75° | 867.6 | 914.7 | 961.8 | 1070.3 | 1178.7 | 1253.7 | 1247.4 | 1212.1 | 1176.6 | 1155.7 |
| 1210.3 | 77.5° | 668.0 | 700.0 | 732.2 | 837.5 | 942.8 | 1066.3 | 1063.0 | 1034.6 | 1006.3 | 985.1 |
| 779.7 | 80° | 500.8 | 514.1 | 527.4 | 616.6 | 705.6 | 853.2 | 852.7 | 829.0 | 805.1 | 787.4 |
| 479.6 | 82.5° | 357.9 | 360.2 | 362.8 | 428.5 | 494.2 | 620.2 | 627.2 | 615.6 | 604.0 | 591.4 |
| 256.4 | 85° | 216.4 | 215.3 | 213.9 | 262.0 | 310.1 | 403.8 | 412.9 | 400.5 | 388.1 | 374.0 |
| 106.3 | 87.5° | 94.9 | 93.7 | 92.5 | 112.1 | 131.8 | 170.8 | 182.4 | 177.4 | 172.5 | 169.8 |
| 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):

| 160° | | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 4155.8 | 2.5° | 4130.7 | 4105.7 | 4080.5 | 4055.5 | 4036.1 | 4016.5 | 4000.7 | 3985.0 | 3972.7 | 3960.4 |
| 4017.8 | 5° | 3973.4 | 3928.9 | 3888.6 | 3848.2 | 3817.2 | 3786.0 | 3764.3 | 3742.5 | 3727.1 | 3711.7 |
| 3932.7 | 7.5° | 3876.9 | 3820.8 | 3771.4 | 3722.1 | 3685.2 | 3648.3 | 3622.5 | 3596.6 | 3578.9 | 3561.3 |
| 3930.6 | 10° | 3870.4 | 3810.0 | 3754.5 | 3698.9 | 3654.8 | 3610.5 | 3581.7 | 3552.5 | 3535.7 | 3519.0 |
| 4014.5 | 12.5° | 3967.1 | 3920.0 | 3862.4 | 3805.0 | 3748.7 | 3692.3 | 3655.0 | 3617.7 | 3598.9 | 3580.3 |
| 4150.8 | 15° | 4138.5 | 4126.3 | 4076.4 | 4026.4 | 3946.2 | 3865.9 | 3809.2 | 3752.5 | 3726.4 | 3700.6 |
| 4265.6 | 17.5° | 4304.0 | 4342.3 | 4302.1 | 4261.9 | 4155.6 | 4049.3 | 3965.7 | 3882.2 | 3843.7 | 3805.0 |
| 4285.1 | 20° | 4365.6 | 4446.0 | 4427.4 | 4408.7 | 4287.1 | 4165.7 | 4063.3 | 3960.9 | 3911.7 | 3862.3 |
| 4175.4 | 22.5° | 4280.0 | 4384.6 | 4395.9 | 4407.0 | 4290.9 | 4174.9 | 4069.4 | 3963.8 | 3911.8 | 3859.8 |
| 3978.3 | 25° | 4081.3 | 4184.3 | 4222.8 | 4261.1 | 4165.9 | 4070.9 | 3977.0 | 3883.5 | 3838.4 | 3793.4 |
| 3756.5 | 27.5° | 3839.0 | 3921.6 | 3964.4 | 4007.4 | 3939.5 | 3871.9 | 3799.1 | 3726.3 | 3696.1 | 3665.7 |
| 3533.6 | 30° | 3602.1 | 3670.7 | 3705.5 | 3740.4 | 3688.8 | 3637.1 | 3585.0 | 3532.6 | 3517.2 | 3501.6 |
| 3307.5 | 32.5° | 3373.2 | 3439.1 | 3477.7 | 3516.5 | 3469.1 | 3421.5 | 3379.9 | 3338.2 | 3328.1 | 3318.0 |
| 3087.8 | 35° | 3152.8 | 3218.0 | 3264.4 | 3310.9 | 3277.0 | 3243.4 | 3204.9 | 3166.6 | 3151.2 | 3135.9 |
| 2878.0 | 37.5° | 2942.9 | 3007.9 | 3065.3 | 3122.6 | 3107.1 | 3091.5 | 3056.1 | 3020.7 | 2992.6 | 2964.8 |
| 2681.9 | 40° | 2744.5 | 2807.2 | 2873.2 | 2939.4 | 2943.2 | 2946.9 | 2916.8 | 2886.8 | 2846.0 | 2805.6 |
| 2502.1 | 42.5° | 2561.5 | 2621.0 | 2692.3 | 2763.6 | 2782.7 | 2801.8 | 2776.4 | 2751.2 | 2700.6 | 2650.0 |
| 2347.9 | 45° | 2404.3 | 2460.6 | 2534.6 | 2608.6 | 2635.9 | 2663.3 | 2640.4 | 2617.7 | 2559.8 | 2502.1 |
| 2224.7 | 47.5° | 2279.9 | 2334.9 | 2407.9 | 2480.9 | 2512.4 | 2543.9 | 2528.0 | 2512.0 | 2460.6 | 2409.2 |
| 2135.1 | 50° | 2187.2 | 2239.1 | 2304.4 | 2369.8 | 2410.2 | 2450.7 | 2449.7 | 2449.0 | 2407.9 | 2366.8 |
| 2076.2 | 52.5° | 2124.0 | 2171.6 | 2232.5 | 2293.5 | 2341.4 | 2389.3 | 2398.0 | 2406.6 | 2373.1 | 2339.6 |
| 2031.8 | 55° | 2083.2 | 2134.6 | 2188.0 | 2241.2 | 2292.0 | 2342.9 | 2354.8 | 2366.8 | 2337.6 | 2308.4 |
| 1971.8 | 57.5° | 2032.1 | 2092.5 | 2145.2 | 2198.1 | 2249.4 | 2300.4 | 2312.5 | 2324.7 | 2295.1 | 2265.6 |
| 1890.8 | 60° | 1960.2 | 2029.5 | 2083.0 | 2136.8 | 2188.2 | 2239.6 | 2252.8 | 2266.1 | 2237.3 | 2208.6 |
| 1776.9 | 62.5° | 1857.7 | 1938.6 | 1995.8 | 2053.0 | 2100.1 | 2147.2 | 2160.0 | 2172.8 | 2146.7 | 2120.7 |
| 1655.0 | 65° | 1741.6 | 1828.3 | 1883.0 | 1937.8 | 1979.2 | 2020.7 | 2033.8 | 2046.7 | 2021.7 | 1996.6 |
| 1542.3 | 67.5° | 1622.2 | 1702.3 | 1754.2 | 1805.9 | 1841.7 | 1877.6 | 1890.3 | 1902.9 | 1879.9 | 1857.0 |
| 1429.8 | 70° | 1500.1 | 1570.4 | 1615.2 | 1660.0 | 1692.3 | 1724.7 | 1736.9 | 1749.2 | 1730.5 | 1711.7 |
| 1296.0 | 72.5° | 1351.4 | 1406.6 | 1447.1 | 1487.5 | 1519.2 | 1550.9 | 1565.5 | 1580.1 | 1564.5 | 1548.9 |
| 1134.6 | 75° | 1175.8 | 1216.9 | 1253.5 | 1290.2 | 1319.0 | 1347.9 | 1363.2 | 1378.4 | 1370.8 | 1363.2 |
| 963.8 | 77.5° | 997.3 | 1030.7 | 1062.2 | 1093.7 | 1124.0 | 1154.2 | 1168.5 | 1182.7 | 1172.1 | 1161.2 |
| 769.5 | 80° | 797.3 | 825.0 | 851.6 | 878.1 | 901.1 | 924.0 | 942.9 | 961.8 | 957.2 | 952.7 |
| 578.8 | 82.5° | 576.4 | 574.1 | 564.8 | 555.5 | 604.6 | 653.7 | 685.9 | 718.1 | 716.1 | 713.9 |
| 359.9 | 85° | 347.9 | 335.8 | 310.1 | 284.4 | 330.3 | 376.4 | 416.2 | 456.0 | 452.7 | 449.4 |
| 167.2 | 87.5° | 166.7 | 166.2 | 146.6 | 126.9 | 146.1 | 165.5 | 181.6 | 197.7 | 193.7 | 189.4 |
| 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):

| 215° | | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 3949.2 | 2.5° | 3937.7 | 3923.6 | 3937.7 | 3949.2 | 3960.4 | 3972.7 | 3985.0 | 4000.7 | 4016.5 | 4036.1 |
| 3699.9 | 5° | 3688.1 | 3676.5 | 3688.1 | 3699.9 | 3711.7 | 3727.1 | 3742.5 | 3764.3 | 3786.0 | 3817.2 |
| 3550.7 | 7.5° | 3540.2 | 3532.3 | 3540.2 | 3550.7 | 3561.3 | 3578.9 | 3596.6 | 3622.5 | 3648.3 | 3685.2 |
| 3510.0 | 10° | 3501.1 | 3497.4 | 3501.1 | 3510.0 | 3519.0 | 3535.7 | 3552.5 | 3581.7 | 3610.5 | 3654.8 |
| 3572.7 | 12.5° | 3565.1 | 3563.8 | 3565.1 | 3572.7 | 3580.3 | 3598.9 | 3617.7 | 3655.0 | 3692.3 | 3748.7 |
| 3690.6 | 15° | 3680.7 | 3679.8 | 3680.7 | 3690.6 | 3700.6 | 3726.4 | 3752.5 | 3809.2 | 3865.9 | 3946.2 |
| 3792.4 | 17.5° | 3779.7 | 3777.7 | 3779.7 | 3792.4 | 3805.0 | 3843.7 | 3882.2 | 3965.7 | 4049.3 | 4155.6 |
| 3846.5 | 20° | 3830.8 | 3825.8 | 3830.8 | 3846.5 | 3862.3 | 3911.7 | 3960.9 | 4063.3 | 4165.7 | 4287.1 |
| 3842.4 | 22.5° | 3824.9 | 3817.5 | 3824.9 | 3842.4 | 3859.8 | 3911.8 | 3963.8 | 4069.4 | 4174.9 | 4290.9 |
| 3777.0 | 25° | 3760.8 | 3751.2 | 3760.8 | 3777.0 | 3793.4 | 3838.4 | 3883.5 | 3977.0 | 4070.9 | 4165.9 |
| 3658.3 | 27.5° | 3650.8 | 3648.3 | 3650.8 | 3658.3 | 3665.7 | 3696.1 | 3726.3 | 3799.1 | 3871.9 | 3939.5 |
| 3501.6 | 30° | 3501.6 | 3504.1 | 3501.6 | 3501.6 | 3501.6 | 3517.2 | 3532.6 | 3585.0 | 3637.1 | 3688.8 |
| 3319.3 | 32.5° | 3320.8 | 3323.3 | 3320.8 | 3319.3 | 3318.0 | 3328.1 | 3338.2 | 3379.9 | 3421.5 | 3469.1 |
| 3132.6 | 35° | 3129.3 | 3127.6 | 3129.3 | 3132.6 | 3135.9 | 3151.2 | 3166.6 | 3204.9 | 3243.4 | 3277.0 |
| 2950.0 | 37.5° | 2935.3 | 2927.0 | 2935.3 | 2950.0 | 2964.8 | 2992.6 | 3020.7 | 3056.1 | 3091.5 | 3107.1 |
| 2778.0 | 40° | 2750.8 | 2734.6 | 2750.8 | 2778.0 | 2805.6 | 2846.0 | 2886.8 | 2916.8 | 2946.9 | 2943.2 |
| 2610.1 | 42.5° | 2570.1 | 2543.9 | 2570.1 | 2610.1 | 2650.0 | 2700.6 | 2751.2 | 2776.4 | 2801.8 | 2782.7 |
| 2455.2 | 45° | 2408.2 | 2378.1 | 2408.2 | 2455.2 | 2502.1 | 2559.8 | 2617.7 | 2640.4 | 2663.3 | 2635.9 |
| 2365.8 | 47.5° | 2322.5 | 2293.5 | 2322.5 | 2365.8 | 2409.2 | 2460.6 | 2512.0 | 2528.0 | 2543.9 | 2512.4 |
| 2326.6 | 50° | 2286.5 | 2258.7 | 2286.5 | 2326.6 | 2366.8 | 2407.9 | 2449.0 | 2449.7 | 2450.7 | 2410.2 |
| 2303.6 | 52.5° | 2267.8 | 2242.1 | 2267.8 | 2303.6 | 2339.6 | 2373.1 | 2406.6 | 2398.0 | 2389.3 | 2341.4 |
| 2276.9 | 55° | 2245.4 | 2222.2 | 2245.4 | 2276.9 | 2308.4 | 2337.6 | 2366.8 | 2354.8 | 2342.9 | 2292.0 |
| 2234.4 | 57.5° | 2203.1 | 2179.1 | 2203.1 | 2234.4 | 2265.6 | 2295.1 | 2324.7 | 2312.5 | 2300.4 | 2249.4 |
| 2176.4 | 60° | 2144.2 | 2119.4 | 2144.2 | 2176.4 | 2208.6 | 2237.3 | 2266.1 | 2252.8 | 2239.6 | 2188.2 |
| 2086.8 | 62.5° | 2053.0 | 2023.2 | 2053.0 | 2086.8 | 2120.7 | 2146.7 | 2172.8 | 2160.0 | 2147.2 | 2100.1 |
| 1963.8 | 65° | 1931.1 | 1905.4 | 1931.1 | 1963.8 | 1996.6 | 2021.7 | 2046.7 | 2033.8 | 2020.7 | 1979.2 |
| 1826.5 | 67.5° | 1796.0 | 1772.8 | 1796.0 | 1826.5 | 1857.0 | 1879.9 | 1902.9 | 1890.3 | 1877.6 | 1841.7 |
| 1682.5 | 70° | 1653.4 | 1626.8 | 1653.4 | 1682.5 | 1711.7 | 1730.5 | 1749.2 | 1736.9 | 1724.7 | 1692.3 |
| 1521.0 | 72.5° | 1493.3 | 1467.6 | 1493.3 | 1521.0 | 1548.9 | 1564.5 | 1580.1 | 1565.5 | 1550.9 | 1519.2 |
| 1339.8 | 75° | 1316.4 | 1291.8 | 1316.4 | 1339.8 | 1363.2 | 1370.8 | 1378.4 | 1363.2 | 1347.9 | 1319.0 |
| 1137.6 | 77.5° | 1114.1 | 1094.5 | 1114.1 | 1137.6 | 1161.2 | 1172.1 | 1182.7 | 1168.5 | 1154.2 | 1124.0 |
| 921.0 | 80° | 889.2 | 852.4 | 889.2 | 921.0 | 952.7 | 957.2 | 961.8 | 942.9 | 924.0 | 901.1 |
| 687.2 | 82.5° | 660.3 | 636.8 | 660.3 | 687.2 | 713.9 | 716.1 | 718.1 | 685.9 | 653.7 | 604.6 |
| 428.5 | 85° | 407.6 | 386.4 | 407.6 | 428.5 | 449.4 | 452.7 | 456.0 | 416.2 | 376.4 | 330.3 |
| 178.8 | 87.5° | 167.8 | 157.5 | 167.8 | 178.8 | 189.4 | 193.7 | 197.7 | 181.6 | 165.5 | 146.1 |
| 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° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 4055.5 | 2.5° | 4080.5 | 4105.7 | 4130.7 | 4155.8 | 4184.3 | 4213.0 | 4244.7 | 4276.5 | 4315.8 | 4351.1 |
| 3848.2 | 5° | 3888.6 | 3928.9 | 3973.4 | 4017.8 | 4068.1 | 4118.5 | 4178.7 | 4238.7 | 4307.5 | 4377.2 |
| 3722.1 | 7.5° | 3771.4 | 3820.8 | 3876.9 | 3932.7 | 3999.1 | 4065.4 | 4145.2 | 4225.1 | 4314.2 | 4409.2 |
| 3698.9 | 10° | 3754.5 | 3810.0 | 3870.4 | 3930.6 | 3996.9 | 4063.3 | 4147.5 | 4231.7 | 4327.4 | 4444.7 |
| 3805.0 | 12.5° | 3862.4 | 3920.0 | 3967.1 | 4014.5 | 4058.3 | 4102.4 | 4171.0 | 4240.0 | 4329.1 | 4452.3 |
| 4026.4 | 15° | 4076.4 | 4126.3 | 4138.5 | 4150.8 | 4144.8 | 4138.9 | 4171.7 | 4204.7 | 4276.0 | 4412.5 |
| 4261.9 | 17.5° | 4302.1 | 4342.3 | 4304.0 | 4265.6 | 4193.3 | 4121.0 | 4109.0 | 4096.9 | 4140.9 | 4301.4 |
| 4408.7 | 20° | 4427.4 | 4446.0 | 4365.6 | 4285.1 | 4159.4 | 4033.9 | 3977.5 | 3921.1 | 3932.7 | 4119.6 |
| 4407.0 | 22.5° | 4395.9 | 4384.6 | 4280.0 | 4175.4 | 4031.7 | 3888.5 | 3805.0 | 3721.6 | 3698.9 | 3911.7 |
| 4261.1 | 25° | 4222.8 | 4184.3 | 4081.3 | 3978.3 | 3849.3 | 3720.5 | 3624.3 | 3528.1 | 3466.7 | 3684.8 |
| 4007.4 | 27.5° | 3964.4 | 3921.6 | 3839.0 | 3756.5 | 3650.7 | 3544.7 | 3451.8 | 3359.0 | 3284.3 | 3482.8 |
| 3740.4 | 30° | 3705.5 | 3670.7 | 3602.1 | 3533.6 | 3445.7 | 3357.8 | 3283.8 | 3210.2 | 3151.7 | 3318.3 |
| 3516.5 | 32.5° | 3477.7 | 3439.1 | 3373.2 | 3307.5 | 3237.2 | 3167.1 | 3123.5 | 3079.9 | 3053.8 | 3188.1 |
| 3310.9 | 35° | 3264.4 | 3218.0 | 3152.8 | 3087.8 | 3034.4 | 2980.9 | 2968.8 | 2956.8 | 2967.6 | 3079.5 |
| 3122.6 | 37.5° | 3065.3 | 3007.9 | 2942.9 | 2878.0 | 2839.7 | 2801.3 | 2814.5 | 2827.8 | 2867.3 | 2965.1 |
| 2939.4 | 40° | 2873.2 | 2807.2 | 2744.5 | 2681.9 | 2654.2 | 2626.5 | 2656.5 | 2686.5 | 2747.0 | 2835.8 |
| 2763.6 | 42.5° | 2692.3 | 2621.0 | 2561.5 | 2502.1 | 2479.4 | 2456.8 | 2496.6 | 2536.4 | 2612.7 | 2694.5 |
| 2608.6 | 45° | 2534.6 | 2460.6 | 2404.3 | 2347.9 | 2328.6 | 2309.7 | 2348.4 | 2387.2 | 2461.0 | 2543.9 |
| 2480.9 | 47.5° | 2407.9 | 2334.9 | 2279.9 | 2224.7 | 2206.9 | 2189.0 | 2221.5 | 2254.0 | 2317.5 | 2424.5 |
| 2369.8 | 50° | 2304.4 | 2239.1 | 2187.2 | 2135.1 | 2107.1 | 2079.2 | 2107.9 | 2136.8 | 2210.6 | 2351.2 |
| 2293.5 | 52.5° | 2232.5 | 2171.6 | 2124.0 | 2076.2 | 2034.4 | 1992.5 | 2020.8 | 2049.4 | 2152.5 | 2314.2 |
| 2241.2 | 55° | 2188.0 | 2134.6 | 2083.2 | 2031.8 | 1972.4 | 1912.9 | 1957.8 | 2002.9 | 2158.3 | 2308.7 |
| 2198.1 | 57.5° | 2145.2 | 2092.5 | 2032.1 | 1971.8 | 1907.7 | 1843.7 | 1909.4 | 1975.1 | 2164.1 | 2296.8 |
| 2136.8 | 60° | 2083.0 | 2029.5 | 1960.2 | 1890.8 | 1834.8 | 1778.6 | 1863.8 | 1948.9 | 2145.9 | 2233.4 |
| 2053.0 | 62.5° | 1995.8 | 1938.6 | 1857.7 | 1776.9 | 1741.3 | 1705.6 | 1811.9 | 1918.4 | 2101.1 | 2111.9 |
| 1937.8 | 65° | 1883.0 | 1828.3 | 1741.6 | 1655.0 | 1641.4 | 1627.7 | 1740.9 | 1854.0 | 1993.3 | 1992.0 |
| 1805.9 | 67.5° | 1754.2 | 1702.3 | 1622.2 | 1542.3 | 1546.6 | 1550.9 | 1645.1 | 1739.3 | 1817.5 | 1821.2 |
| 1660.0 | 70° | 1615.2 | 1570.4 | 1500.1 | 1429.8 | 1444.7 | 1459.7 | 1526.7 | 1593.7 | 1619.4 | 1619.4 |
| 1487.5 | 72.5° | 1447.1 | 1406.6 | 1351.4 | 1296.0 | 1317.7 | 1339.6 | 1385.5 | 1431.5 | 1431.1 | 1414.9 |
| 1290.2 | 75° | 1253.5 | 1216.9 | 1175.8 | 1134.6 | 1155.7 | 1176.6 | 1212.1 | 1247.4 | 1253.7 | 1178.7 |
| 1093.7 | 77.5° | 1062.2 | 1030.7 | 997.3 | 963.8 | 985.1 | 1006.3 | 1034.6 | 1063.0 | 1066.3 | 942.8 |
| 878.1 | 80° | 851.6 | 825.0 | 797.3 | 769.5 | 787.4 | 805.1 | 829.0 | 852.7 | 853.2 | 705.6 |
| 555.5 | 82.5° | 564.8 | 574.1 | 576.4 | 578.8 | 591.4 | 604.0 | 615.6 | 627.2 | 620.2 | 494.2 |
| 284.4 | 85° | 310.1 | 335.8 | 347.9 | 359.9 | 374.0 | 388.1 | 400.5 | 412.9 | 403.8 | 310.1 |
| 126.9 | 87.5° | 146.6 | 166.2 | 166.7 | 167.2 | 169.8 | 172.5 | 177.4 | 182.4 | 170.8 | 131.8 |
| 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):

| 325° | | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|--------|--------|--------|--------|---------|---------|---------|
| 4321.6 | 0° | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 | 4321.6 |
| 4387.6 | 2.5° | 4424.1 | 4462.2 | 4500.4 | 4538.2 | 4576.2 | 4611.8 | 4647.5 |
| 4451.0 | 5° | 4524.8 | 4603.7 | 4682.8 | 4761.2 | 4839.9 | 4918.6 | 4997.4 |
| 4512.2 | 7.5° | 4615.1 | 4732.1 | 4849.0 | 4969.0 | 5089.1 | 5218.9 | 5349.0 |
| 4566.7 | 10° | 4688.4 | 4830.6 | 4972.5 | 5131.1 | 5289.8 | 5454.1 | 5618.4 |
| 4590.1 | 12.5° | 4727.9 | 4895.4 | 5062.9 | 5242.7 | 5422.4 | 5602.9 | 5783.4 |
| 4572.0 | 15° | 4731.6 | 4924.4 | 5117.3 | 5312.3 | 5507.3 | 5695.6 | 5883.8 |
| 4493.3 | 17.5° | 4685.1 | 4909.0 | 5132.9 | 5345.6 | 5558.4 | 5749.3 | 5940.2 |
| 4357.4 | 20° | 4595.2 | 4866.5 | 5137.9 | 5371.7 | 5605.5 | 5804.0 | 6002.3 |
| 4198.1 | 22.5° | 4484.5 | 4814.5 | 5144.5 | 5406.8 | 5669.0 | 5871.8 | 6074.5 |
| 4020.1 | 25° | 4355.6 | 4763.1 | 5170.7 | 5470.5 | 5770.2 | 5968.7 | 6167.3 |
| 3857.5 | 27.5° | 4232.1 | 4728.7 | 5225.4 | 5570.0 | 5914.5 | 6104.0 | 6293.4 |
| 3721.5 | 30° | 4124.6 | 4712.7 | 5300.4 | 5698.9 | 6097.4 | 6280.3 | 6463.4 |
| 3604.2 | 32.5° | 4020.1 | 4692.8 | 5365.0 | 5833.4 | 6301.7 | 6482.8 | 6664.0 |
| 3489.0 | 35° | 3898.4 | 4655.3 | 5412.5 | 5986.6 | 6560.7 | 6734.3 | 6907.8 |
| 3353.3 | 37.5° | 3741.5 | 4591.1 | 5440.7 | 6158.2 | 6875.8 | 7097.0 | 7318.2 |
| 3191.5 | 40° | 3547.2 | 4502.7 | 5458.4 | 6376.1 | 7293.7 | 7616.1 | 7938.4 |
| 3012.9 | 42.5° | 3331.3 | 4411.5 | 5492.1 | 6661.2 | 7830.3 | 8295.7 | 8761.0 |
| 2823.1 | 45° | 3102.4 | 4326.8 | 5551.3 | 7036.3 | 8521.4 | 9149.0 | 9776.7 |
| 2673.1 | 47.5° | 2921.7 | 4256.8 | 5591.9 | 7436.0 | 9280.0 | 10163.6 | 11047.0 |
| 2573.4 | 50° | 2795.6 | 4180.5 | 5565.4 | 7806.8 | 10048.2 | 11380.2 | 12712.0 |
| 2507.7 | 52.5° | 2701.4 | 4051.6 | 5402.0 | 8047.6 | 10692.9 | 12658.1 | 14623.2 |
| 2460.1 | 55° | 2611.5 | 3838.1 | 5064.6 | 7994.5 | 10924.3 | 13791.0 | 16658.0 |
| 2403.8 | 57.5° | 2510.7 | 3536.9 | 4562.9 | 7621.0 | 10679.3 | 14594.0 | 18508.7 |
| 2317.5 | 60° | 2401.6 | 3145.9 | 3890.1 | 6926.0 | 9961.9 | 14794.7 | 19627.2 |
| 2167.6 | 62.5° | 2223.5 | 2677.9 | 3132.3 | 5986.3 | 8840.3 | 13949.7 | 19059.2 |
| 2018.4 | 65° | 2044.7 | 2256.8 | 2468.9 | 5027.4 | 7586.1 | 12754.3 | 17922.5 |
| 1806.6 | 67.5° | 1791.8 | 1852.2 | 1912.4 | 4088.1 | 6263.9 | 11331.6 | 16399.3 |
| 1551.2 | 70° | 1482.9 | 1465.8 | 1448.6 | 3218.8 | 4989.1 | 9779.2 | 14569.3 |
| 1318.2 | 72.5° | 1221.4 | 1169.3 | 1117.4 | 2460.8 | 3804.2 | 8096.3 | 12388.6 |
| 1070.3 | 75° | 961.8 | 914.7 | 867.6 | 1786.0 | 2704.4 | 6167.2 | 9630.0 |
| 837.5 | 77.5° | 732.2 | 700.0 | 668.0 | 1210.3 | 1752.5 | 4316.5 | 6880.4 |
| 616.6 | 80° | 527.4 | 514.1 | 500.8 | 779.7 | 1058.8 | 2781.0 | 4503.2 |
| 428.5 | 82.5° | 362.8 | 360.2 | 357.9 | 479.6 | 601.6 | 1609.6 | 2617.7 |
| 262.0 | 85° | 213.9 | 215.3 | 216.4 | 256.4 | 296.5 | 724.0 | 1151.7 |
| 112.1 | 87.5° | 92.5 | 93.7 | 94.9 | 106.3 | 117.7 | 237.1 | 356.5 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)