

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: P954649

Luminaire Tested: **GALN-SB7D-830-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954649  
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-SB7D-830-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

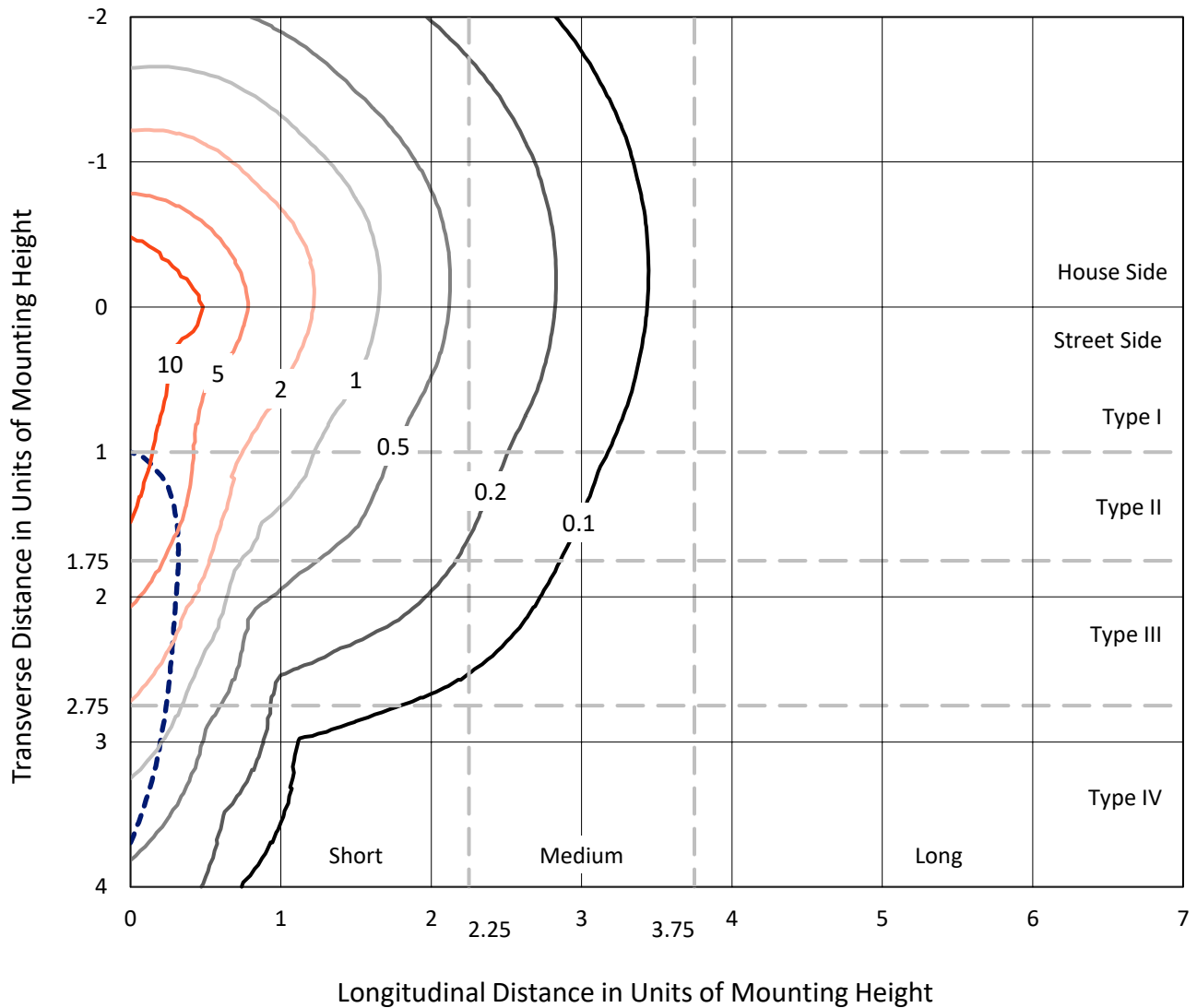
Lumens per Lamp: N/A  
Luminaire Lumens: 64794 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

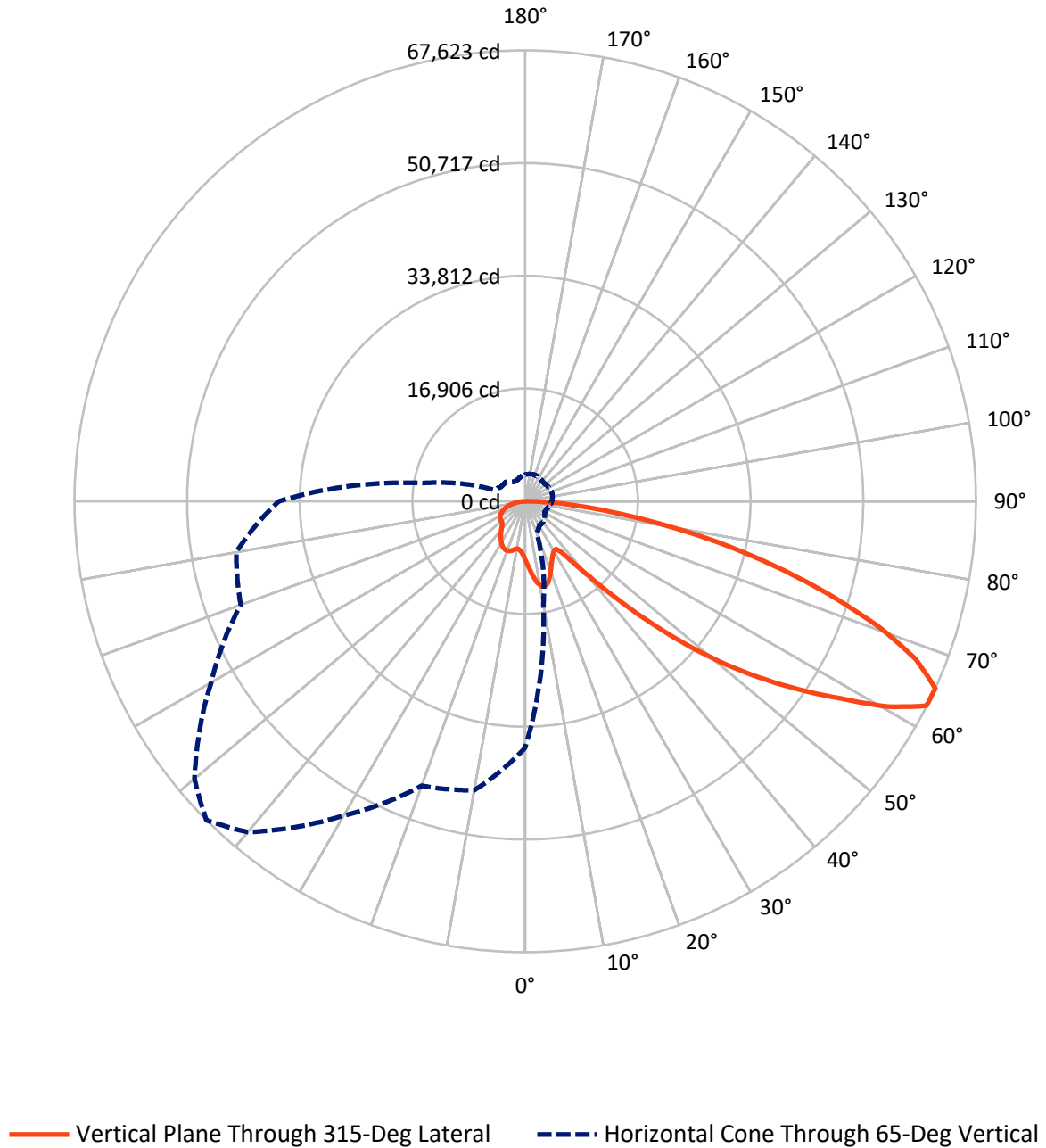
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16467.4	0.0	16467.4
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	48326.6	0.0	48326.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	64794.0	0.0	64794.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	883.8	1.4
10°-20°	2774.6	4.3
20°-30°	4285.7	6.6
30°-40°	5431.1	8.4
40°-50°	8191.5	12.6
50°-60°	13234.5	20.4
60°-70°	16498.9	25.5
70°-80°	10819.2	16.7
80°-90°	2674.8	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°	64794.0	100.0
0°-180°	64794.0	100.0

**Coefficient of Utilization**



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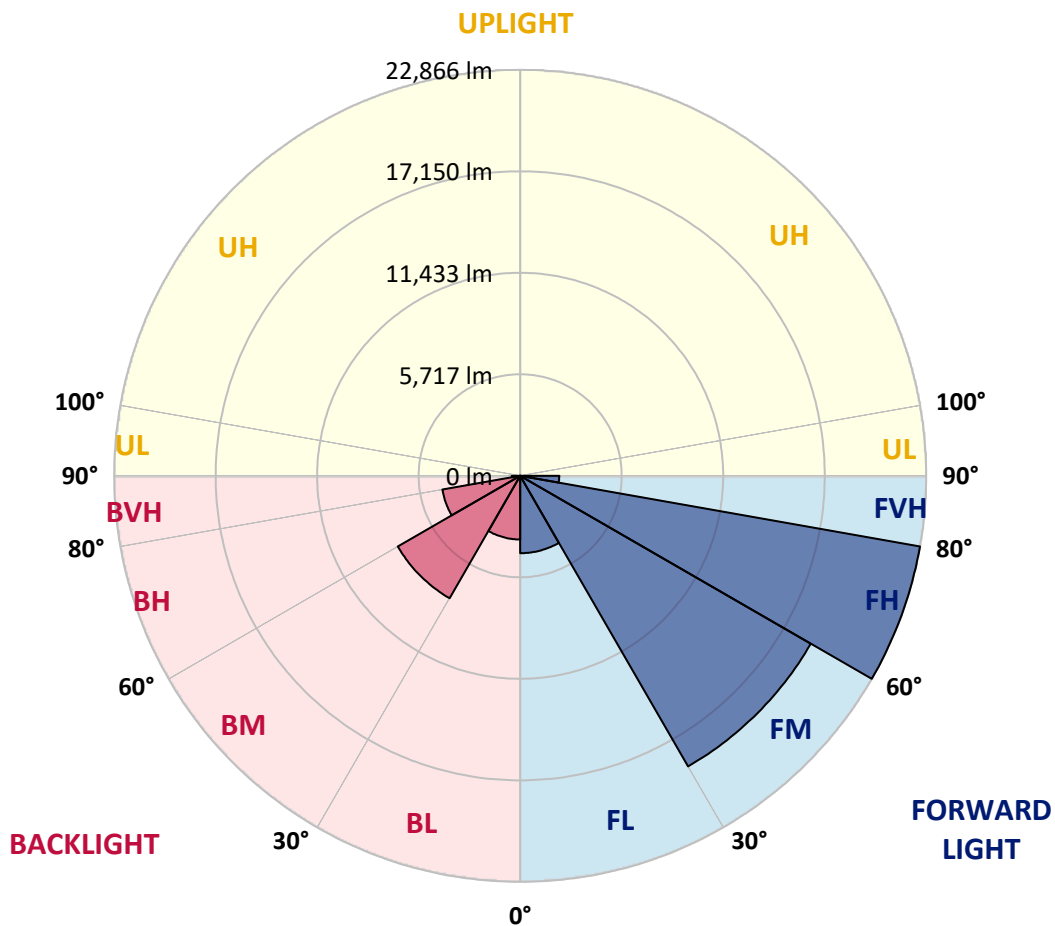
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4358.1	6.7			
FM (30°-60°)	18899.0	29.2			
FH (60°-80°)	22866.1	35.3			G5
FVH (80°-90°)	2203.4	3.4			G5
BL (0°-30°)	3586.0	5.5	B4/5000		
BM (30°-60°)	7958.0	12.3	B4/8500		
BH (60°-80°)	4452.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	471.3	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°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
2.5°	9581.6	9508.0	9434.5	9356.2	9278.3	9199.7	9121.0	9045.8	8970.6	8897.8
5°	10302.9	10140.5	9978.1	9816.1	9654.4	9491.3	9328.6	9176.4	9024.3	8880.7
7.5°	11027.8	10759.7	10492.0	10244.5	9997.0	9755.9	9514.9	9302.6	9090.3	8894.3
10°	11583.3	11244.5	10905.7	10578.5	10251.7	9959.0	9666.0	9415.1	9163.4	8921.7
12.5°	11923.5	11551.2	11179.2	10808.6	10438.0	10092.7	9747.4	9463.3	9179.1	8925.1
15°	12130.4	11742.3	11354.3	10952.2	10550.1	10152.5	9754.9	9426.0	9097.1	8815.7
17.5°	12246.6	11853.1	11459.6	11020.9	10582.3	10120.7	9659.2	9263.6	8868.0	8537.1
20°	12374.8	11965.9	11556.7	11074.6	10592.5	10033.2	9473.9	8983.6	8493.3	8108.0
22.5°	12523.5	12105.7	11687.6	11147.1	10606.2	9925.8	9245.5	8655.0	8064.6	7625.9
25°	12715.0	12305.4	11896.2	11278.4	10660.2	9819.9	8979.8	8288.2	7596.9	7147.3
27.5°	12974.8	12584.4	12193.6	11483.5	10773.1	9749.1	8725.1	7952.8	7180.4	6771.2
30°	13325.3	12947.8	12570.7	11749.2	10927.6	9715.9	8503.6	7672.4	6841.3	6497.7
32.5°	13739.0	13365.3	12991.9	12026.4	11060.9	9674.9	8288.2	7430.7	6572.9	6296.0
35°	14241.6	13883.9	13526.0	12342.3	11158.7	9597.6	8037.2	7193.1	6349.0	6118.2
37.5°	15087.7	14631.7	14175.6	12696.2	11216.8	9465.3	7713.8	6913.4	6113.0	5911.3
40°	16366.4	15701.8	15037.1	13145.4	11253.4	9283.1	7313.1	6579.7	5846.4	5663.5
42.5°	18062.2	17102.9	16143.5	13733.2	11322.8	9095.0	6867.9	6211.5	5555.1	5386.5
45°	20156.3	18862.2	17568.2	14506.5	11444.9	8920.3	6396.1	5820.4	5244.6	5073.7
47.5°	22775.2	20953.9	19132.3	15330.5	11528.6	8776.1	6023.5	5511.0	4998.5	4778.0
50°	26207.8	23462.1	20716.0	16095.0	11473.9	8618.8	5763.6	5305.5	4847.4	4557.4
52.5°	30148.1	26096.7	22045.3	16591.4	11137.2	8353.1	5569.4	5170.1	4771.1	4437.8
55°	34343.2	28432.5	22522.2	16482.0	10441.4	7912.8	5384.1	5072.0	4759.8	4449.7
57.5°	38158.7	30088.0	22017.2	15712.0	9407.2	7291.9	5176.3	4955.7	4735.2	4461.7
60°	40464.8	30501.6	20538.2	14279.2	8020.1	6485.7	4951.3	4778.0	4604.6	4424.1
62.5°	39293.8	28759.7	18225.6	12341.7	6457.7	5520.9	4584.1	4468.9	4354.0	4331.8
65°	36950.1	26295.0	15639.9	10364.8	5090.1	4652.8	4215.5	4161.2	4106.8	4109.6
67.5°	33809.8	23361.9	12914.0	8428.3	3942.7	3818.6	3694.2	3724.6	3754.7	3747.1
70°	30037.0	20161.4	10285.9	6636.1	2986.4	3022.0	3057.2	3198.1	3338.6	3338.6
72.5°	25541.1	16691.9	7843.0	5073.4	2303.7	2410.7	2518.0	2717.7	2917.0	2950.5
75°	19853.7	12714.7	5575.6	3682.2	1788.8	1885.9	1983.0	2206.6	2430.2	2584.7
77.5°	14185.1	8899.1	3613.1	2495.1	1377.1	1443.1	1509.5	1726.6	1943.7	2198.4
80°	9284.1	5733.5	2183.0	1607.6	1032.5	1059.9	1087.2	1271.2	1454.8	1759.0
82.5°	5396.8	3318.4	1240.4	988.8	737.8	742.6	748.1	883.5	1018.8	1278.7
85°	2374.4	1492.7	611.3	528.6	446.2	443.8	441.0	540.2	639.3	832.5
87.5°	735.1	488.9	242.7	219.2	195.6	193.2	190.8	231.1	271.8	352.1
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°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
8816.7	2.5°	8751.1	8685.8	8626.6	8567.8	8516.2	8464.6	8412.6	8361.0	8321.0	8280.6
8738.8	5°	8615.0	8490.9	8387.0	8283.4	8191.8	8100.1	8017.1	7933.6	7869.7	7805.4
8710.8	7.5°	8546.0	8381.5	8244.8	8108.0	7992.8	7877.2	7775.3	7673.8	7597.5	7521.6
8724.4	10°	8550.7	8377.1	8240.3	8103.5	7979.4	7855.0	7740.5	7625.9	7535.0	7443.7
8741.5	12.5°	8599.3	8457.8	8366.8	8276.5	8178.8	8081.7	7963.0	7844.7	7728.5	7612.2
8668.7	15°	8600.7	8533.0	8545.3	8557.6	8532.3	8507.0	8404.1	8301.2	8135.7	7970.2
8446.5	17.5°	8471.4	8496.0	8645.1	8794.2	8873.5	8952.5	8869.4	8786.7	8567.5	8348.3
8084.1	20°	8200.3	8316.5	8575.4	8834.5	9000.3	9166.2	9127.9	9089.2	8838.6	8588.4
7672.8	22.5°	7844.7	8016.7	8312.1	8608.2	8823.9	9039.7	9062.9	9085.8	8846.5	8607.2
7273.8	25°	7472.1	7670.4	7936.0	8202.0	8414.3	8626.6	8706.0	8784.9	8588.7	8392.8
6925.0	27.5°	7116.5	7308.0	7526.4	7744.6	7914.8	8085.1	8173.3	8261.8	8122.0	7982.5
6618.4	30°	6770.2	6922.7	7103.9	7285.1	7426.3	7567.8	7639.6	7711.4	7605.1	7498.4
6349.6	32.5°	6439.6	6529.5	6674.1	6819.1	6954.4	7090.2	7169.8	7249.8	7152.1	7053.9
6096.0	35°	6120.6	6145.5	6256.0	6366.0	6500.1	6634.4	6730.2	6825.9	6756.1	6686.7
5830.0	37.5°	5802.6	5775.3	5854.6	5933.6	6067.2	6201.3	6319.6	6437.8	6405.7	6373.6
5538.7	40°	5476.8	5414.9	5472.0	5529.1	5658.3	5787.6	5923.6	6060.1	6067.9	6075.4
5229.3	42.5°	5147.2	5065.1	5111.6	5158.5	5280.9	5403.6	5550.6	5697.6	5737.0	5776.3
4921.6	45°	4841.5	4761.9	4800.9	4840.5	4956.8	5073.0	5225.5	5378.0	5434.4	5490.8
4647.0	47.5°	4580.0	4513.0	4549.9	4586.5	4700.3	4813.9	4964.3	5114.7	5179.7	5244.6
4405.3	50°	4345.8	4286.7	4344.1	4401.9	4509.2	4616.2	4750.9	4885.7	4969.1	5052.5
4225.1	52.5°	4166.3	4107.8	4194.3	4280.5	4379.0	4477.1	4602.6	4728.4	4827.2	4926.0
4129.4	55°	4036.4	3943.7	4066.5	4188.9	4294.9	4400.8	4510.9	4620.7	4725.3	4830.3
4071.9	57.5°	3936.6	3801.2	3933.1	4065.1	4189.6	4314.0	4422.7	4531.8	4637.4	4742.7
4017.9	60°	3842.5	3666.8	3782.7	3898.3	4041.2	4184.1	4294.5	4405.3	4511.3	4617.3
3955.0	62.5°	3735.5	3516.4	3589.9	3663.4	3829.9	3996.7	4114.7	4232.6	4329.7	4426.8
3822.4	65°	3589.2	3355.7	3384.1	3412.1	3590.6	3769.4	3882.2	3995.0	4080.5	4166.0
3585.8	67.5°	3391.6	3197.4	3188.5	3179.6	3344.4	3509.5	3616.5	3723.2	3797.1	3870.9
3285.6	70°	3147.5	3009.3	2978.6	2947.8	3092.8	3237.7	3330.0	3422.3	3489.0	3555.7
2951.2	72.5°	2856.5	2761.8	2716.7	2671.9	2786.1	2899.9	2983.4	3066.8	3132.1	3197.4
2571.7	75°	2498.9	2425.7	2382.7	2339.2	2424.0	2508.8	2584.4	2659.9	2719.4	2778.9
2191.5	77.5°	2133.1	2074.6	2030.8	1987.1	2056.1	2124.9	2189.8	2254.8	2317.4	2379.6
1758.0	80°	1709.1	1659.9	1623.3	1586.4	1643.8	1700.9	1755.6	1810.3	1857.8	1905.0
1293.0	82.5°	1269.1	1245.2	1219.2	1193.2	1188.4	1183.6	1164.5	1145.3	1246.5	1347.7
851.3	85°	825.7	800.0	771.0	741.9	717.3	692.3	639.3	586.3	681.1	776.1
376.1	87.5°	365.8	355.6	350.1	344.6	343.6	342.6	302.2	261.5	301.2	341.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
8248.2	2.5°	8215.7	8190.4	8165.1	8141.8	8118.3	8089.2	8118.3	8141.8	8165.1	8190.4
7760.6	5°	7715.8	7684.0	7652.3	7628.0	7603.7	7579.8	7603.7	7628.0	7652.3	7684.0
7468.3	7.5°	7415.0	7378.4	7342.2	7320.3	7298.7	7282.3	7298.7	7320.3	7342.2	7378.4
7384.2	10°	7324.0	7289.5	7255.0	7236.5	7218.0	7210.5	7218.0	7236.5	7255.0	7289.5
7535.3	12.5°	7458.4	7419.8	7381.5	7365.7	7350.0	7347.3	7350.0	7365.7	7381.5	7419.8
7853.3	15°	7736.4	7682.7	7629.3	7608.8	7588.3	7586.6	7588.3	7608.8	7629.3	7682.7
8176.0	17.5°	8003.7	7924.4	7844.7	7818.8	7792.4	7788.3	7792.4	7818.8	7844.7	7924.4
8377.1	20°	8166.1	8064.6	7962.7	7930.2	7897.7	7887.5	7897.7	7930.2	7962.7	8064.6
8389.7	22.5°	8171.9	8064.9	7957.6	7921.7	7885.8	7870.4	7885.8	7921.7	7957.6	8064.9
8199.3	25°	8006.5	7913.5	7820.8	7787.0	7753.5	7733.6	7753.5	7787.0	7820.8	7913.5
7832.4	27.5°	7682.3	7620.1	7557.5	7542.2	7526.8	7521.6	7526.8	7542.2	7557.5	7620.1
7391.0	30°	7283.0	7251.2	7219.1	7219.1	7219.1	7224.2	7219.1	7219.1	7219.1	7251.2
6968.1	32.5°	6882.3	6861.5	6840.6	6843.3	6846.4	6851.5	6846.4	6843.3	6840.6	6861.5
6607.4	35°	6528.4	6496.7	6465.2	6458.4	6451.5	6448.1	6451.5	6458.4	6465.2	6496.7
6300.7	37.5°	6227.6	6169.8	6112.4	6081.9	6051.5	6034.4	6051.5	6081.9	6112.4	6169.8
6013.6	40°	5951.7	5867.6	5784.1	5727.4	5671.3	5637.8	5671.3	5727.4	5784.1	5867.6
5724.0	42.5°	5672.0	5567.7	5463.5	5381.1	5298.7	5244.6	5298.7	5381.1	5463.5	5567.7
5443.6	45°	5396.8	5277.5	5158.5	5061.7	4965.0	4902.7	4965.0	5061.7	5158.5	5277.5
5211.8	47.5°	5179.0	5073.0	4967.0	4877.4	4788.2	4728.4	4788.2	4877.4	4967.0	5073.0
5050.4	50°	5049.1	4964.3	4879.5	4796.8	4714.0	4656.6	4714.0	4796.8	4879.5	4964.3
4943.8	52.5°	4961.6	4892.5	4823.4	4749.2	4675.4	4622.4	4675.4	4749.2	4823.4	4892.5
4854.9	55°	4879.5	4819.3	4759.2	4694.2	4629.2	4581.4	4629.2	4694.2	4759.2	4819.3
4767.7	57.5°	4792.7	4731.8	4670.9	4606.7	4542.0	4492.5	4542.0	4606.7	4670.9	4731.8
4644.6	60°	4672.0	4612.5	4553.3	4487.0	4420.7	4369.4	4420.7	4487.0	4553.3	4612.5
4453.2	62.5°	4479.5	4425.8	4372.1	4302.4	4232.6	4171.1	4232.6	4302.4	4372.1	4425.8
4193.0	65°	4219.6	4168.0	4116.4	4048.7	3981.3	3928.4	3981.3	4048.7	4116.4	4168.0
3897.2	67.5°	3923.2	3875.7	3828.5	3765.6	3702.7	3654.8	3702.7	3765.6	3828.5	3875.7
3581.0	70°	3606.3	3567.7	3529.0	3468.8	3408.7	3354.0	3408.7	3468.8	3529.0	3567.7
3227.5	72.5°	3257.6	3225.4	3193.3	3135.8	3078.7	3025.8	3078.7	3135.8	3193.3	3225.4
2810.4	75°	2841.8	2826.1	2810.4	2762.2	2713.9	2663.3	2713.9	2762.2	2810.4	2826.1
2409.0	77.5°	2438.4	2416.5	2393.9	2345.4	2296.8	2256.5	2296.8	2345.4	2393.9	2416.5
1944.0	80°	1983.0	1973.4	1964.2	1898.9	1833.2	1757.3	1833.2	1898.9	1964.2	1973.4
1414.1	82.5°	1480.4	1476.3	1471.8	1416.8	1361.4	1312.9	1361.4	1416.8	1471.8	1476.3
858.2	85°	940.2	933.4	926.5	883.5	840.4	796.6	840.4	883.5	926.5	933.4
374.4	87.5°	407.5	399.3	390.4	368.6	346.0	324.8	346.0	368.6	390.4	399.3
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
8215.7	2.5°	8248.2	8280.6	8321.0	8361.0	8412.6	8464.6	8516.2	8567.8	8626.6	8685.8
7715.8	5°	7760.6	7805.4	7869.7	7933.6	8017.1	8100.1	8191.8	8283.4	8387.0	8490.9
7415.0	7.5°	7468.3	7521.6	7597.5	7673.8	7775.3	7877.2	7992.8	8108.0	8244.8	8381.5
7324.0	10°	7384.2	7443.7	7535.0	7625.9	7740.5	7855.0	7979.4	8103.5	8240.3	8377.1
7458.4	12.5°	7535.3	7612.2	7728.5	7844.7	7963.0	8081.7	8178.8	8276.5	8366.8	8457.8
7736.4	15°	7853.3	7970.2	8135.7	8301.2	8404.1	8507.0	8532.3	8557.6	8545.3	8533.0
8003.7	17.5°	8176.0	8348.3	8567.5	8786.7	8869.4	8952.5	8873.5	8794.2	8645.1	8496.0
8166.1	20°	8377.1	8588.4	8838.6	9089.2	9127.9	9166.2	9000.3	8834.5	8575.4	8316.5
8171.9	22.5°	8389.7	8607.2	8846.5	9085.8	9062.9	9039.7	8823.9	8608.2	8312.1	8016.7
8006.5	25°	8199.3	8392.8	8588.7	8784.9	8706.0	8626.6	8414.3	8202.0	7936.0	7670.4
7682.3	27.5°	7832.4	7982.5	8122.0	8261.8	8173.3	8085.1	7914.8	7744.6	7526.4	7308.0
7283.0	30°	7391.0	7498.4	7605.1	7711.4	7639.6	7567.8	7426.3	7285.1	7103.9	6922.7
6882.3	32.5°	6968.1	7053.9	7152.1	7249.8	7169.8	7090.2	6954.4	6819.1	6674.1	6529.5
6528.4	35°	6607.4	6686.7	6756.1	6825.9	6730.2	6634.4	6500.1	6366.0	6256.0	6145.5
6227.6	37.5°	6300.7	6373.6	6405.7	6437.8	6319.6	6201.3	6067.2	5933.6	5854.6	5775.3
5951.7	40°	6013.6	6075.4	6067.9	6060.1	5923.6	5787.6	5658.3	5529.1	5472.0	5414.9
5672.0	42.5°	5724.0	5776.3	5737.0	5697.6	5550.6	5403.6	5280.9	5158.5	5111.6	5065.1
5396.8	45°	5443.6	5490.8	5434.4	5378.0	5225.5	5073.0	4956.8	4840.5	4800.9	4761.9
5179.0	47.5°	5211.8	5244.6	5179.7	5114.7	4964.3	4813.9	4700.3	4586.5	4549.9	4513.0
5049.1	50°	5050.4	5052.5	4969.1	4885.7	4750.9	4616.2	4509.2	4401.9	4344.1	4286.7
4961.6	52.5°	4943.8	4926.0	4827.2	4728.4	4602.6	4477.1	4379.0	4280.5	4194.3	4107.8
4879.5	55°	4854.9	4830.3	4725.3	4620.7	4510.9	4400.8	4294.9	4188.9	4066.5	3943.7
4792.7	57.5°	4767.7	4742.7	4637.4	4531.8	4422.7	4314.0	4189.6	4065.1	3933.1	3801.2
4672.0	60°	4644.6	4617.3	4511.3	4405.3	4294.5	4184.1	4041.2	3898.3	3782.7	3666.8
4479.5	62.5°	4453.2	4426.8	4329.7	4232.6	4114.7	3996.7	3829.9	3663.4	3589.9	3516.4
4219.6	65°	4193.0	4166.0	4080.5	3995.0	3882.2	3769.4	3590.6	3412.1	3384.1	3355.7
3923.2	67.5°	3897.2	3870.9	3797.1	3723.2	3616.5	3509.5	3344.4	3179.6	3188.5	3197.4
3606.3	70°	3581.0	3555.7	3489.0	3422.3	3330.0	3237.7	3092.8	2947.8	2978.6	3009.3
3257.6	72.5°	3227.5	3197.4	3132.1	3066.8	2983.4	2899.9	2786.1	2671.9	2716.7	2761.8
2841.8	75°	2810.4	2778.9	2719.4	2659.9	2584.4	2508.8	2424.0	2339.2	2382.7	2425.7
2438.4	77.5°	2409.0	2379.6	2317.4	2254.8	2189.8	2124.9	2056.1	1987.1	2030.8	2074.6
1983.0	80°	1944.0	1905.0	1857.8	1810.3	1755.6	1700.9	1643.8	1586.4	1623.3	1659.9
1480.4	82.5°	1414.1	1347.7	1246.5	1145.3	1164.5	1183.6	1188.4	1193.2	1219.2	1245.2
940.2	85°	858.2	776.1	681.1	586.3	639.3	692.3	717.3	741.9	771.0	800.0
407.5	87.5°	374.4	341.2	301.2	261.5	302.2	342.6	343.6	344.6	350.1	355.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
8751.1	2.5°	8816.7	8897.8	8970.6	9045.8	9121.0	9199.7	9278.3	9356.2	9434.5	9508.0
8615.0	5°	8738.8	8880.7	9024.3	9176.4	9328.6	9491.3	9654.4	9816.1	9978.1	10140.5
8546.0	7.5°	8710.8	8894.3	9090.3	9302.6	9514.9	9755.9	9997.0	10244.5	10492.0	10759.7
8550.7	10°	8724.4	8921.7	9163.4	9415.1	9666.0	9959.0	10251.7	10578.5	10905.7	11244.5
8599.3	12.5°	8741.5	8925.1	9179.1	9463.3	9747.4	10092.7	10438.0	10808.6	11179.2	11551.2
8600.7	15°	8668.7	8815.7	9097.1	9426.0	9754.9	10152.5	10550.1	10952.2	11354.3	11742.3
8471.4	17.5°	8446.5	8537.1	8868.0	9263.6	9659.2	10120.7	10582.3	11020.9	11459.6	11853.1
8200.3	20°	8084.1	8108.0	8493.3	8983.6	9473.9	10033.2	10592.5	11074.6	11556.7	11965.9
7844.7	22.5°	7672.8	7625.9	8064.6	8655.0	9245.5	9925.8	10606.2	11147.1	11687.6	12105.7
7472.1	25°	7273.8	7147.3	7596.9	8288.2	8979.8	9819.9	10660.2	11278.4	11896.2	12305.4
7116.5	27.5°	6925.0	6771.2	7180.4	7952.8	8725.1	9749.1	10773.1	11483.5	12193.6	12584.4
6770.2	30°	6618.4	6497.7	6841.3	7672.4	8503.6	9715.9	10927.6	11749.2	12570.7	12947.8
6439.6	32.5°	6349.6	6296.0	6572.9	7430.7	8288.2	9674.9	11060.9	12026.4	12991.9	13365.3
6120.6	35°	6096.0	6118.2	6349.0	7193.1	8037.2	9597.6	11158.7	12342.3	13526.0	13883.9
5802.6	37.5°	5830.0	5911.3	6113.0	6913.4	7713.8	9465.3	11216.8	12696.2	14175.6	14631.7
5476.8	40°	5538.7	5663.5	5846.4	6579.7	7313.1	9283.1	11253.4	13145.4	15037.1	15701.8
5147.2	42.5°	5229.3	5386.5	5555.1	6211.5	6867.9	9095.0	11322.8	13733.2	16143.5	17102.9
4841.5	45°	4921.6	5073.7	5244.6	5820.4	6396.1	8920.3	11444.9	14506.5	17568.2	18862.2
4580.0	47.5°	4647.0	4778.0	4998.5	5511.0	6023.5	8776.1	11528.6	15330.5	19132.3	20953.9
4345.8	50°	4405.3	4557.4	4847.4	5305.5	5763.6	8618.8	11473.9	16095.0	20716.0	23462.1
4166.3	52.5°	4225.1	4437.8	4771.1	5170.1	5569.4	8353.1	11137.2	16591.4	22045.3	26096.7
4036.4	55°	4129.4	4449.7	4759.8	5072.0	5384.1	7912.8	10441.4	16482.0	22522.2	28432.5
3936.6	57.5°	4071.9	4461.7	4735.2	4955.7	5176.3	7291.9	9407.2	15712.0	22017.2	30088.0
3842.5	60°	4017.9	4424.1	4604.6	4778.0	4951.3	6485.7	8020.1	14279.2	20538.2	30501.6
3735.5	62.5°	3955.0	4331.8	4354.0	4468.9	4584.1	5520.9	6457.7	12341.7	18225.6	28759.7
3589.2	65°	3822.4	4109.6	4106.8	4161.2	4215.5	4652.8	5090.1	10364.8	15639.9	26295.0
3391.6	67.5°	3585.8	3747.1	3754.7	3724.6	3694.2	3818.6	3942.7	8428.3	12914.0	23361.9
3147.5	70°	3285.6	3338.6	3338.6	3198.1	3057.2	3022.0	2986.4	6636.1	10285.9	20161.4
2856.5	72.5°	2951.2	2950.5	2917.0	2717.7	2518.0	2410.7	2303.7	5073.4	7843.0	16691.9
2498.9	75°	2571.7	2584.7	2430.2	2206.6	1983.0	1885.9	1788.8	3682.2	5575.6	12714.7
2133.1	77.5°	2191.5	2198.4	1943.7	1726.6	1509.5	1443.1	1377.1	2495.1	3613.1	8899.1
1709.1	80°	1758.0	1759.0	1454.8	1271.2	1087.2	1059.9	1032.5	1607.6	2183.0	5733.5
1269.1	82.5°	1293.0	1278.7	1018.8	883.5	748.1	742.6	737.8	988.8	1240.4	3318.4
825.7	85°	851.3	832.5	639.3	540.2	441.0	443.8	446.2	528.6	611.3	1492.7
365.8	87.5°	376.1	352.1	271.8	231.1	190.8	193.2	195.6	219.2	242.7	488.9
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
9581.6	2.5°	9617.8	9654.4	9706.0	9757.6	9788.4	9819.2	9834.6	9849.9	9843.1	9849.9
10302.9	5°	10429.8	10557.0	10682.8	10808.9	10877.3	10945.7	10987.1	11028.8	11060.2	11028.8
11027.8	7.5°	11234.3	11440.4	11626.1	11811.7	11923.5	12035.3	12095.8	12156.0	12185.1	12156.0
11583.3	10°	11827.4	12071.6	12289.3	12507.1	12639.1	12770.4	12829.2	12887.7	12909.9	12887.7
11923.5	12.5°	12188.1	12452.4	12649.4	12845.6	12941.3	13037.1	13069.2	13101.3	13104.8	13101.3
12130.4	15°	12358.8	12586.8	12710.2	12834.0	12837.4	12840.8	12806.6	12772.4	12732.1	12772.4
12246.6	17.5°	12400.8	12555.0	12557.4	12559.4	12421.0	12282.5	12155.7	12028.5	11938.9	12028.5
12374.8	20°	12428.5	12482.5	12320.1	12157.7	11852.1	11546.4	11323.8	11101.3	10964.5	11101.3
12523.5	22.5°	12453.1	12382.7	12046.3	11709.8	11260.2	10810.7	10532.4	10254.1	10102.9	10254.1
12715.0	25°	12492.8	12270.5	11759.8	11249.0	10703.0	10157.0	9864.3	9572.3	9429.4	9572.3
12974.8	27.5°	12577.6	12179.9	11503.3	10827.1	10221.9	9616.8	9328.9	9041.4	8906.3	9041.4
13325.3	30°	12732.8	12140.6	11307.8	10474.9	9844.5	9214.0	8947.0	8680.0	8554.2	8680.0
13739.0	32.5°	12927.7	12116.7	11174.4	10232.2	9639.7	9047.2	8837.6	8627.7	8537.1	8627.7
14241.6	35°	13248.7	12256.2	11274.3	10292.7	9881.1	9469.8	9420.9	9372.0	9364.5	9372.0
15087.7	37.5°	13919.8	12751.9	11859.6	10967.2	10940.6	10913.9	11137.5	11361.1	11477.3	11361.1
16366.4	40°	15096.3	13826.2	13162.5	12498.9	12967.3	13435.7	13979.3	14522.9	14793.7	14522.9
18062.2	42.5°	16802.0	15541.8	15159.5	14777.3	15798.9	16820.5	17809.2	18798.0	19378.5	18798.0
20156.3	45°	19024.3	17891.9	17723.4	17554.5	19191.1	20828.1	22452.8	24077.8	25064.2	24077.8
22775.2	47.5°	21674.0	20572.4	20538.2	20504.0	22865.1	25225.6	27604.1	29982.3	31378.9	29982.3
26207.8	50°	24847.4	23487.4	23493.2	23499.0	26541.8	29584.7	32724.3	35863.9	37762.1	35863.9
30148.1	52.5°	28500.9	26854.0	26687.5	26520.6	30155.3	33790.0	37674.6	41558.8	43834.1	41558.8
34343.2	55°	32715.7	31088.3	30439.1	29789.8	33835.1	37880.0	42511.0	47141.9	49848.0	47141.9
38158.7	57.5°	37272.5	36386.0	35083.7	33781.8	37866.4	41951.0	47196.3	52441.3	55796.9	52441.3
40464.8	60°	41841.2	43218.0	41600.9	39983.7	43849.2	47714.6	53330.5	58946.5	62573.3	58946.5
39293.8	62.5°	43054.9	46816.1	46633.9	46451.3	49992.3	53533.6	58876.7	64219.5	67571.7	64219.5
36950.1	65°	40480.1	44010.2	44708.7	45406.8	49906.8	54407.2	59588.2	64768.9	67623.0	64768.9
33809.8	67.5°	37167.2	40524.6	40852.1	41179.3	45868.0	50556.4	55759.7	60963.0	63198.9	60963.0
30037.0	70°	33688.8	37340.9	37487.2	37633.9	41826.9	46019.5	50497.3	54974.7	56217.5	54974.7
25541.1	72.5°	29731.7	33922.6	34027.9	34132.9	37413.4	40693.8	44047.4	47400.7	47526.6	47400.7
19853.7	75°	24191.0	28528.2	28917.7	29307.1	31859.3	34411.5	36772.3	39133.1	38500.6	39133.1
14185.1	77.5°	18233.8	22282.9	22840.2	23397.5	25337.7	27277.9	28952.2	30626.8	29539.6	30626.8
9284.1	80°	12690.4	16096.3	16789.0	17481.7	18947.0	20411.7	21291.0	22170.1	20421.3	22170.1
5396.8	82.5°	7725.4	10054.4	10828.1	11602.1	12610.7	13619.3	13986.2	14352.7	12978.3	14352.7
2374.4	85°	3610.4	4846.3	5504.5	6162.6	6991.4	7819.8	8028.0	8236.2	7135.3	8236.2
735.1	87.5°	1150.5	1565.9	1933.1	2300.3	2714.6	3129.0	3146.8	3164.2	2656.5	3164.2
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):**

325°		330°	335°	340°	345°	350°	355°	360°
8909.7	0°	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7	8909.7
9834.6	2.5°	9819.2	9788.4	9757.6	9706.0	9654.4	9617.8	9581.6
10987.1	5°	10945.7	10877.3	10808.9	10682.8	10557.0	10429.8	10302.9
12095.8	7.5°	12035.3	11923.5	11811.7	11626.1	11440.4	11234.3	11027.8
12829.2	10°	12770.4	12639.1	12507.1	12289.3	12071.6	11827.4	11583.3
13069.2	12.5°	13037.1	12941.3	12845.6	12649.4	12452.4	12188.1	11923.5
12806.6	15°	12840.8	12837.4	12834.0	12710.2	12586.8	12358.8	12130.4
12155.7	17.5°	12282.5	12421.0	12559.4	12557.4	12555.0	12400.8	12246.6
11323.8	20°	11546.4	11852.1	12157.7	12320.1	12482.5	12428.5	12374.8
10532.4	22.5°	10810.7	11260.2	11709.8	12046.3	12382.7	12453.1	12523.5
9864.3	25°	10157.0	10703.0	11249.0	11759.8	12270.5	12492.8	12715.0
9328.9	27.5°	9616.8	10221.9	10827.1	11503.3	12179.9	12577.6	12974.8
8947.0	30°	9214.0	9844.5	10474.9	11307.8	12140.6	12732.8	13325.3
8837.6	32.5°	9047.2	9639.7	10232.2	11174.4	12116.7	12927.7	13739.0
9420.9	35°	9469.8	9881.1	10292.7	11274.3	12256.2	13248.7	14241.6
11137.5	37.5°	10913.9	10940.6	10967.2	11859.6	12751.9	13919.8	15087.7
13979.3	40°	13435.7	12967.3	12498.9	13162.5	13826.2	15096.3	16366.4
17809.2	42.5°	16820.5	15798.9	14777.3	15159.5	15541.8	16802.0	18062.2
22452.8	45°	20828.1	19191.1	17554.5	17723.4	17891.9	19024.3	20156.3
27604.1	47.5°	25225.6	22865.1	20504.0	20538.2	20572.4	21674.0	22775.2
32724.3	50°	29584.7	26541.8	23499.0	23493.2	23487.4	24847.4	26207.8
37674.6	52.5°	33790.0	30155.3	26520.6	26687.5	26854.0	28500.9	30148.1
42511.0	55°	37880.0	33835.1	29789.8	30439.1	31088.3	32715.7	34343.2
47196.3	57.5°	41951.0	37866.4	33781.8	35083.7	36386.0	37272.5	38158.7
53330.5	60°	47714.6	43849.2	39983.7	41600.9	43218.0	41841.2	40464.8
58876.7	62.5°	53533.6	49992.3	46451.3	46633.9	46816.1	43054.9	39293.8
59588.2	65°	54407.2	49906.8	45406.8	44708.7	44010.2	40480.1	36950.1
55759.7	67.5°	50556.4	45868.0	41179.3	40852.1	40524.6	37167.2	33809.8
50497.3	70°	46019.5	41826.9	37633.9	37487.2	37340.9	33688.8	30037.0
44047.4	72.5°	40693.8	37413.4	34132.9	34027.9	33922.6	29731.7	25541.1
36772.3	75°	34411.5	31859.3	29307.1	28917.7	28528.2	24191.0	19853.7
28952.2	77.5°	27277.9	25337.7	23397.5	22840.2	22282.9	18233.8	14185.1
21291.0	80°	20411.7	18947.0	17481.7	16789.0	16096.3	12690.4	9284.1
13986.2	82.5°	13619.3	12610.7	11602.1	10828.1	10054.4	7725.4	5396.8
8028.0	85°	7819.8	6991.4	6162.6	5504.5	4846.3	3610.4	2374.4
3146.8	87.5°	3129.0	2714.6	2300.3	1933.1	1565.9	1150.5	735.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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