

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: P953935

Luminaire Tested: **GALN-SB7B-830-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953935  
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-SB7B-830-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

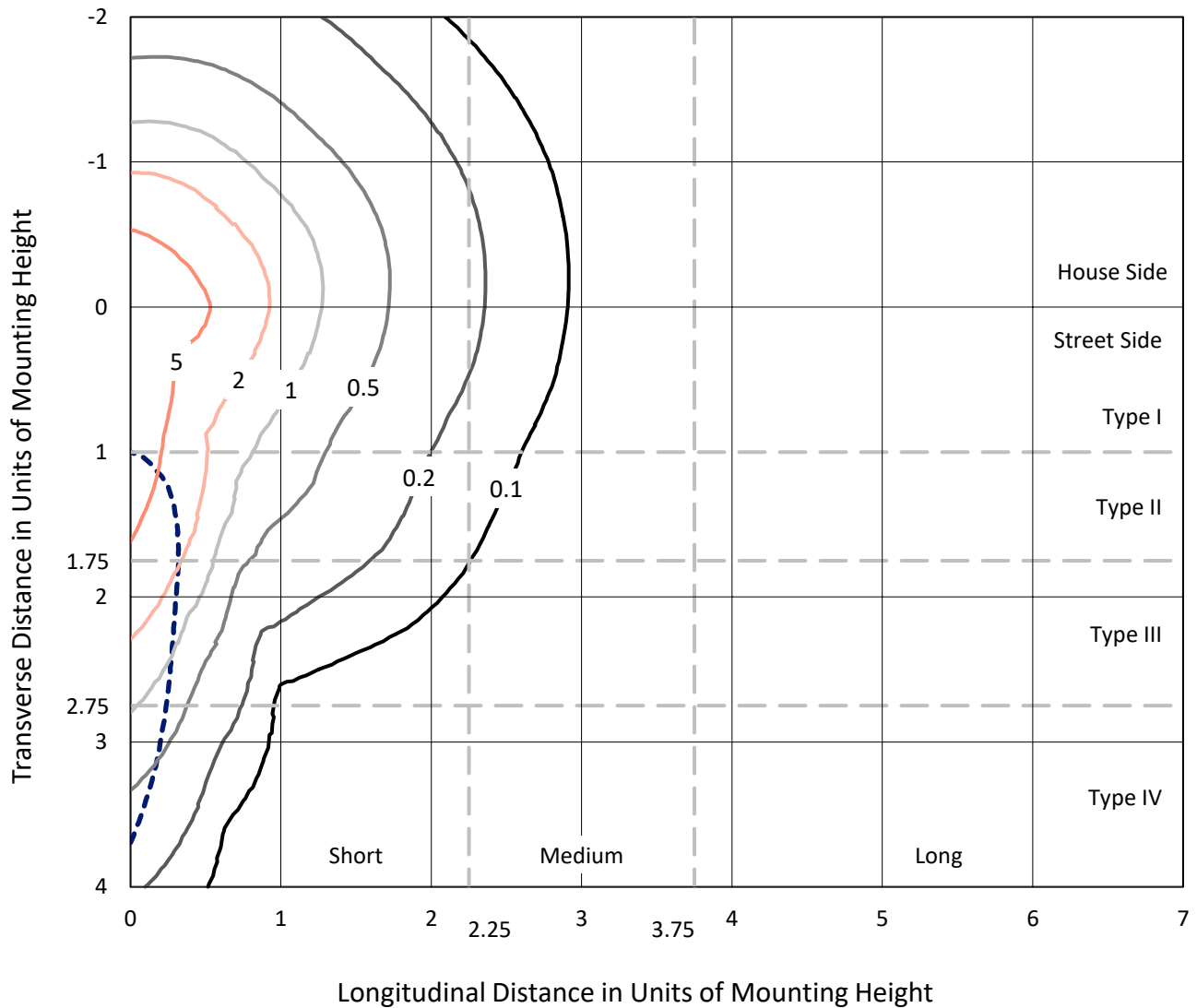
Lumens per Lamp: N/A  
Luminaire Lumens: 35855 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

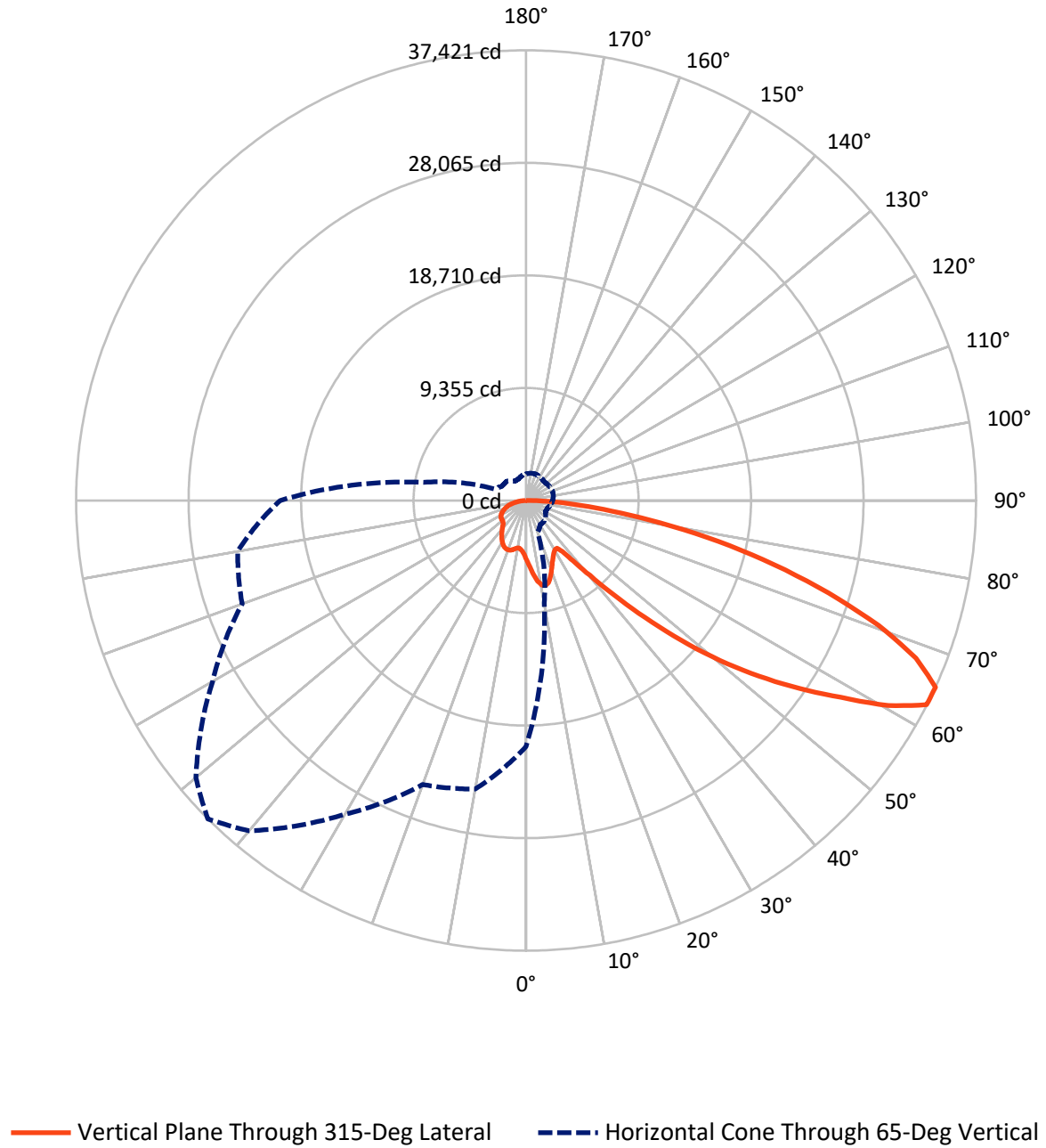
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	9112.5	0.0	9112.5
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	26742.5	0.0	26742.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	35855.0	0.0	35855.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	489.1	1.4
10°-20°	1535.4	4.3
20°-30°	2371.6	6.6
30°-40°	3005.4	8.4
40°-50°	4532.9	12.6
50°-60°	7323.6	20.4
60°-70°	9130.0	25.5
70°-80°	5987.0	16.7
80°-90°	1480.1	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°	35855.0	100.0
0°-180°	35855.0	100.0



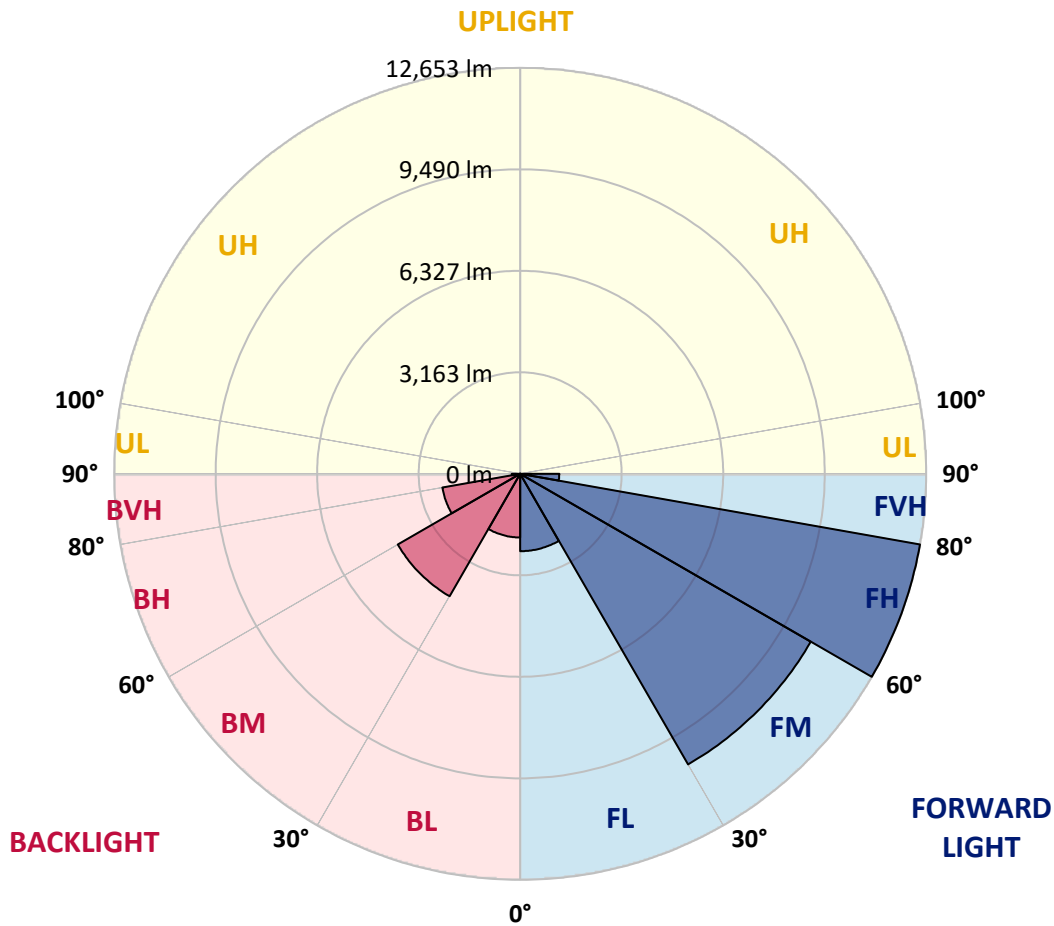
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2411.7	6.7			
FM (30°-60°)	10458.1	29.2			
FH (60°-80°)	12653.4	35.3			G5
FVH (80°-90°)	1219.3	3.4			G5
BL (0°-30°)	1984.4	5.5	B3/2500		
BM (30°-60°)	4403.7	12.3	B3/5000		
BH (60°-80°)	2463.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	260.8	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°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
2.5°	5302.1	5261.5	5220.8	5177.5	5134.3	5090.8	5047.3	5005.7	4964.0	4923.7
5°	5701.3	5611.5	5521.6	5431.9	5342.4	5252.2	5162.1	5077.9	4993.8	4914.3
7.5°	6102.4	5954.1	5806.0	5669.0	5532.0	5398.6	5265.2	5147.8	5030.3	4921.9
10°	6409.9	6222.4	6034.9	5853.8	5673.0	5511.0	5348.9	5210.0	5070.8	4937.0
12.5°	6598.1	6392.1	6186.2	5981.1	5776.1	5585.0	5393.9	5236.7	5079.5	4938.9
15°	6712.6	6497.8	6283.1	6060.6	5838.1	5618.1	5398.1	5216.1	5034.0	4878.3
17.5°	6776.9	6559.1	6341.4	6098.6	5855.9	5600.5	5345.1	5126.2	4907.3	4724.2
20°	6847.8	6621.6	6395.1	6128.3	5861.6	5552.1	5242.5	4971.2	4699.9	4486.7
22.5°	6930.1	6698.9	6467.6	6168.5	5869.1	5492.7	5116.2	4789.4	4462.7	4220.0
25°	7036.1	6809.4	6583.0	6241.1	5899.0	5434.0	4969.2	4586.4	4203.9	3955.1
27.5°	7179.9	6963.8	6747.6	6354.6	5961.5	5394.8	4828.2	4400.8	3973.4	3747.0
30°	7373.8	7164.9	6956.3	6501.6	6047.0	5376.5	4705.6	4245.7	3785.8	3595.6
32.5°	7602.7	7395.9	7189.3	6655.1	6120.8	5353.8	4586.4	4111.9	3637.2	3484.0
35°	7880.8	7682.9	7484.9	6829.9	6174.9	5311.0	4447.6	3980.4	3513.3	3385.6
37.5°	8349.1	8096.7	7844.3	7025.7	6207.0	5237.8	4268.6	3825.7	3382.8	3271.1
40°	9056.7	8688.9	8321.1	7274.3	6227.3	5137.0	4046.8	3641.0	3235.2	3134.0
42.5°	9995.1	9464.2	8933.3	7599.5	6265.7	5032.9	3800.5	3437.3	3074.0	2980.7
45°	11153.9	10437.8	9721.7	8027.5	6333.2	4936.2	3539.4	3220.8	2902.2	2807.6
47.5°	12603.1	11595.3	10587.2	8483.4	6379.6	4856.4	3333.2	3049.6	2766.0	2644.0
50°	14502.6	12983.2	11463.6	8906.5	6349.3	4769.4	3189.4	2935.9	2682.4	2521.9
52.5°	16683.0	14441.1	12199.2	9181.2	6163.0	4622.4	3082.0	2861.0	2640.2	2455.7
55°	19004.4	15733.7	12463.1	9120.6	5778.0	4378.7	2979.4	2806.7	2633.9	2462.3
57.5°	21115.8	16649.7	12183.7	8694.6	5205.6	4035.1	2864.4	2742.4	2620.3	2469.0
60°	22391.9	16878.7	11365.2	7901.6	4438.1	3589.0	2739.9	2644.0	2548.1	2448.2
62.5°	21744.0	15914.7	10085.5	6829.5	3573.5	3055.1	2536.7	2472.9	2409.4	2397.1
65°	20447.0	14550.8	8654.6	5735.6	2816.7	2574.7	2332.8	2302.7	2272.6	2274.1
67.5°	18709.3	12927.8	7146.2	4664.0	2181.8	2113.1	2044.2	2061.1	2077.7	2073.6
70°	16621.6	11156.7	5691.9	3672.2	1652.6	1672.3	1691.8	1769.7	1847.5	1847.5
72.5°	14133.7	9236.8	4340.1	2807.4	1274.8	1334.0	1393.4	1503.9	1614.2	1632.7
75°	10986.4	7035.9	3085.4	2037.6	989.9	1043.6	1097.3	1221.1	1344.8	1430.3
77.5°	7849.6	4924.5	1999.4	1380.7	762.1	798.6	835.3	955.4	1075.6	1216.5
80°	5137.5	3172.8	1208.0	889.6	571.4	586.5	601.6	703.4	805.0	973.4
82.5°	2986.4	1836.3	686.4	547.1	408.3	410.9	414.0	488.9	563.8	707.6
85°	1313.9	826.0	338.3	292.5	246.9	245.6	244.1	298.9	353.8	460.7
87.5°	406.8	270.5	134.3	121.3	108.2	106.9	105.6	127.9	150.4	194.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
4878.9	2.5°	4842.6	4806.4	4773.7	4741.2	4712.6	4684.0	4655.3	4626.7	4604.6	4582.3
4835.8	5°	4767.3	4698.6	4641.1	4583.8	4533.1	4482.4	4436.4	4390.2	4354.8	4319.3
4820.3	7.5°	4729.1	4638.1	4562.4	4486.7	4423.0	4359.0	4302.6	4246.4	4204.2	4162.2
4827.8	10°	4731.7	4635.6	4559.9	4484.3	4415.6	4346.7	4283.3	4220.0	4169.6	4119.1
4837.3	12.5°	4758.6	4680.3	4629.9	4580.0	4525.9	4472.1	4406.5	4341.0	4276.7	4212.4
4797.0	15°	4759.3	4721.9	4728.7	4735.5	4721.5	4707.5	4650.6	4593.6	4502.0	4410.5
4674.0	17.5°	4687.8	4701.4	4783.9	4866.4	4910.3	4954.0	4908.0	4862.3	4741.0	4619.7
4473.5	20°	4537.8	4602.1	4745.3	4888.7	4980.5	5072.3	5051.1	5029.7	4891.0	4752.5
4245.9	22.5°	4341.0	4436.2	4599.7	4763.5	4882.9	5002.3	5015.1	5027.8	4895.4	4762.9
4025.1	25°	4134.8	4244.5	4391.5	4538.7	4656.2	4773.7	4817.6	4861.3	4752.7	4644.3
3832.1	27.5°	3938.1	4044.0	4164.9	4285.6	4379.8	4474.0	4522.8	4571.9	4494.5	4417.3
3662.4	30°	3746.4	3830.8	3931.1	4031.3	4109.5	4187.8	4227.5	4267.2	4208.4	4149.4
3513.7	32.5°	3563.5	3613.2	3693.2	3773.5	3848.4	3923.5	3967.6	4011.8	3957.7	3903.4
3373.3	35°	3386.9	3400.7	3461.9	3522.8	3596.9	3671.3	3724.3	3777.2	3738.6	3700.2
3226.1	37.5°	3211.0	3195.8	3239.7	3283.4	3357.4	3431.6	3497.0	3562.5	3544.7	3526.9
3064.9	40°	3030.7	2996.4	3028.0	3059.6	3131.1	3202.7	3278.0	3353.4	3357.8	3362.0
2893.7	42.5°	2848.3	2802.9	2828.6	2854.5	2922.3	2990.2	3071.5	3152.9	3174.7	3196.4
2723.4	45°	2679.2	2635.1	2656.6	2678.6	2742.9	2807.2	2891.6	2976.0	3007.2	3038.4
2571.5	47.5°	2534.4	2497.3	2517.8	2538.0	2601.0	2663.8	2747.1	2830.3	2866.3	2902.2
2437.8	50°	2404.8	2372.1	2403.9	2435.9	2495.3	2554.5	2629.0	2703.6	2749.7	2795.9
2338.0	52.5°	2305.5	2273.2	2321.0	2368.7	2423.2	2477.5	2546.9	2616.5	2671.2	2725.9
2285.1	55°	2233.6	2182.3	2250.3	2318.0	2376.6	2435.3	2496.2	2556.9	2614.8	2672.9
2253.3	57.5°	2178.4	2103.4	2176.5	2249.5	2318.4	2387.2	2447.4	2507.8	2566.2	2624.5
2223.4	60°	2126.3	2029.1	2093.2	2157.2	2236.3	2315.3	2376.5	2437.8	2496.4	2555.1
2188.6	62.5°	2067.1	1945.9	1986.5	2027.2	2119.3	2211.7	2276.9	2342.2	2395.9	2449.7
2115.2	65°	1986.1	1856.9	1872.6	1888.1	1986.9	2085.9	2148.3	2210.7	2258.0	2305.3
1984.3	67.5°	1876.8	1769.3	1764.4	1759.5	1850.7	1942.1	2001.3	2060.3	2101.2	2142.0
1818.1	70°	1741.7	1665.3	1648.2	1631.2	1711.4	1791.7	1842.7	1893.8	1930.7	1967.6
1633.1	72.5°	1580.7	1528.3	1503.3	1478.5	1541.7	1604.7	1650.9	1697.1	1733.2	1769.3
1423.1	75°	1382.8	1342.3	1318.5	1294.5	1341.4	1388.3	1430.1	1471.9	1504.8	1537.8
1212.7	77.5°	1180.4	1148.0	1123.8	1099.6	1137.8	1175.8	1211.8	1247.7	1282.4	1316.8
972.8	80°	945.8	918.5	898.3	877.9	909.6	941.2	971.5	1001.8	1028.1	1054.2
715.5	82.5°	702.3	689.0	674.7	660.3	657.6	655.0	644.4	633.8	689.8	745.8
471.1	85°	456.9	442.7	426.6	410.5	396.9	383.1	353.8	324.5	376.9	429.5
208.1	87.5°	202.4	196.8	193.7	190.7	190.1	189.6	167.2	144.7	166.7	188.8
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°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
4564.3	2.5°	4546.3	4532.3	4518.3	4505.4	4492.4	4476.3	4492.4	4505.4	4518.3	4532.3
4294.5	5°	4269.7	4252.1	4234.5	4221.1	4207.7	4194.4	4207.7	4221.1	4234.5	4252.1
4132.7	7.5°	4103.2	4083.0	4062.9	4050.8	4038.9	4029.8	4038.9	4050.8	4062.9	4083.0
4086.2	10°	4052.9	4033.8	4014.7	4004.5	3994.2	3990.1	3994.2	4004.5	4014.7	4033.8
4169.8	12.5°	4127.2	4105.9	4084.7	4076.0	4067.3	4065.8	4067.3	4076.0	4084.7	4105.9
4345.8	15°	4281.1	4251.4	4221.8	4210.5	4199.1	4198.2	4199.1	4210.5	4221.8	4251.4
4524.4	17.5°	4429.0	4385.1	4341.0	4326.7	4312.1	4309.8	4312.1	4326.7	4341.0	4385.1
4635.6	20°	4518.9	4462.7	4406.3	4388.3	4370.4	4364.7	4370.4	4388.3	4406.3	4462.7
4642.6	22.5°	4522.1	4462.9	4403.5	4383.6	4363.7	4355.2	4363.7	4383.6	4403.5	4462.9
4537.2	25°	4430.5	4379.1	4327.8	4309.1	4290.5	4279.5	4290.5	4309.1	4327.8	4379.1
4334.2	27.5°	4251.2	4216.7	4182.1	4173.6	4165.1	4162.2	4165.1	4173.6	4182.1	4216.7
4090.0	30°	4030.2	4012.6	3994.8	3994.8	3994.8	3997.6	3994.8	3994.8	3994.8	4012.6
3855.9	32.5°	3808.5	3796.9	3785.4	3786.9	3788.6	3791.4	3788.6	3786.9	3785.4	3796.9
3656.3	35°	3612.6	3595.0	3577.6	3573.9	3570.1	3568.2	3570.1	3573.9	3577.6	3595.0
3486.6	37.5°	3446.2	3414.2	3382.4	3365.6	3348.7	3339.3	3348.7	3365.6	3382.4	3414.2
3327.7	40°	3293.5	3246.9	3200.8	3169.4	3138.3	3119.8	3138.3	3169.4	3200.8	3246.9
3167.5	42.5°	3138.7	3081.0	3023.3	2977.7	2932.1	2902.2	2932.1	2977.7	3023.3	3081.0
3012.3	45°	2986.4	2920.4	2854.5	2801.0	2747.5	2713.0	2747.5	2801.0	2854.5	2920.4
2884.1	47.5°	2865.9	2807.2	2748.6	2699.0	2649.6	2616.5	2649.6	2699.0	2748.6	2807.2
2794.8	50°	2794.0	2747.1	2700.2	2654.4	2608.6	2576.8	2608.6	2654.4	2700.2	2747.1
2735.7	52.5°	2745.6	2707.4	2669.1	2628.1	2587.2	2557.9	2587.2	2628.1	2669.1	2707.4
2686.5	55°	2700.2	2666.9	2633.6	2597.6	2561.7	2535.2	2561.7	2597.6	2633.6	2666.9
2638.3	57.5°	2652.1	2618.4	2584.8	2549.2	2513.4	2486.0	2513.4	2549.2	2584.8	2618.4
2570.2	60°	2585.3	2552.4	2519.7	2483.0	2446.3	2417.9	2446.3	2483.0	2519.7	2552.4
2464.2	62.5°	2478.8	2449.1	2419.4	2380.8	2342.2	2308.2	2342.2	2380.8	2419.4	2449.1
2320.3	65°	2335.0	2306.5	2277.9	2240.4	2203.2	2173.8	2203.2	2240.4	2277.9	2306.5
2156.6	67.5°	2171.0	2144.7	2118.6	2083.8	2049.0	2022.5	2049.0	2083.8	2118.6	2144.7
1981.6	70°	1995.6	1974.2	1952.9	1919.6	1886.3	1856.0	1886.3	1919.6	1952.9	1974.2
1786.0	72.5°	1802.6	1784.8	1767.1	1735.3	1703.7	1674.4	1703.7	1735.3	1767.1	1784.8
1555.2	75°	1572.6	1563.9	1555.2	1528.5	1501.8	1473.8	1501.8	1528.5	1555.2	1563.9
1333.1	77.5°	1349.3	1337.2	1324.7	1297.9	1271.0	1248.7	1271.0	1297.9	1324.7	1337.2
1075.8	80°	1097.3	1092.0	1086.9	1050.8	1014.5	972.5	1014.5	1050.8	1086.9	1092.0
782.5	82.5°	819.2	816.9	814.5	784.0	753.4	726.5	753.4	784.0	814.5	816.9
474.9	85°	520.3	516.5	512.7	488.9	465.0	440.8	465.0	488.9	512.7	516.5
207.2	87.5°	225.5	221.0	216.1	204.0	191.5	179.7	191.5	204.0	216.1	221.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
4546.3	2.5°	4564.3	4582.3	4604.6	4626.7	4655.3	4684.0	4712.6	4741.2	4773.7	4806.4
4269.7	5°	4294.5	4319.3	4354.8	4390.2	4436.4	4482.4	4533.1	4583.8	4641.1	4698.6
4103.2	7.5°	4132.7	4162.2	4204.2	4246.4	4302.6	4359.0	4423.0	4486.7	4562.4	4638.1
4052.9	10°	4086.2	4119.1	4169.6	4220.0	4283.3	4346.7	4415.6	4484.3	4559.9	4635.6
4127.2	12.5°	4169.8	4212.4	4276.7	4341.0	4406.5	4472.1	4525.9	4580.0	4629.9	4680.3
4281.1	15°	4345.8	4410.5	4502.0	4593.6	4650.6	4707.5	4721.5	4735.5	4728.7	4721.9
4429.0	17.5°	4524.4	4619.7	4741.0	4862.3	4908.0	4954.0	4910.3	4866.4	4783.9	4701.4
4518.9	20°	4635.6	4752.5	4891.0	5029.7	5051.1	5072.3	4980.5	4888.7	4745.3	4602.1
4522.1	22.5°	4642.6	4762.9	4895.4	5027.8	5015.1	5002.3	4882.9	4763.5	4599.7	4436.2
4430.5	25°	4537.2	4644.3	4752.7	4861.3	4817.6	4773.7	4656.2	4538.7	4391.5	4244.5
4251.2	27.5°	4334.2	4417.3	4494.5	4571.9	4522.8	4474.0	4379.8	4285.6	4164.9	4044.0
4030.2	30°	4090.0	4149.4	4208.4	4267.2	4227.5	4187.8	4109.5	4031.3	3931.1	3830.8
3808.5	32.5°	3855.9	3903.4	3957.7	4011.8	3967.6	3923.5	3848.4	3773.5	3693.2	3613.2
3612.6	35°	3656.3	3700.2	3738.6	3777.2	3724.3	3671.3	3596.9	3522.8	3461.9	3400.7
3446.2	37.5°	3486.6	3526.9	3544.7	3562.5	3497.0	3431.6	3357.4	3283.4	3239.7	3195.8
3293.5	40°	3327.7	3362.0	3357.8	3353.4	3278.0	3202.7	3131.1	3059.6	3028.0	2996.4
3138.7	42.5°	3167.5	3196.4	3174.7	3152.9	3071.5	2990.2	2922.3	2854.5	2828.6	2802.9
2986.4	45°	3012.3	3038.4	3007.2	2976.0	2891.6	2807.2	2742.9	2678.6	2656.6	2635.1
2865.9	47.5°	2884.1	2902.2	2866.3	2830.3	2747.1	2663.8	2601.0	2538.0	2517.8	2497.3
2794.0	50°	2794.8	2795.9	2749.7	2703.6	2629.0	2554.5	2495.3	2435.9	2403.9	2372.1
2745.6	52.5°	2735.7	2725.9	2671.2	2616.5	2546.9	2477.5	2423.2	2368.7	2321.0	2273.2
2700.2	55°	2686.5	2672.9	2614.8	2556.9	2496.2	2435.3	2376.6	2318.0	2250.3	2182.3
2652.1	57.5°	2638.3	2624.5	2566.2	2507.8	2447.4	2387.2	2318.4	2249.5	2176.5	2103.4
2585.3	60°	2570.2	2555.1	2496.4	2437.8	2376.5	2315.3	2236.3	2157.2	2093.2	2029.1
2478.8	62.5°	2464.2	2449.7	2395.9	2342.2	2276.9	2211.7	2119.3	2027.2	1986.5	1945.9
2335.0	65°	2320.3	2305.3	2258.0	2210.7	2148.3	2085.9	1986.9	1888.1	1872.6	1856.9
2171.0	67.5°	2156.6	2142.0	2101.2	2060.3	2001.3	1942.1	1850.7	1759.5	1764.4	1769.3
1995.6	70°	1981.6	1967.6	1930.7	1893.8	1842.7	1791.7	1711.4	1631.2	1648.2	1665.3
1802.6	72.5°	1786.0	1769.3	1733.2	1697.1	1650.9	1604.7	1541.7	1478.5	1503.3	1528.3
1572.6	75°	1555.2	1537.8	1504.8	1471.9	1430.1	1388.3	1341.4	1294.5	1318.5	1342.3
1349.3	77.5°	1333.1	1316.8	1282.4	1247.7	1211.8	1175.8	1137.8	1099.6	1123.8	1148.0
1097.3	80°	1075.8	1054.2	1028.1	1001.8	971.5	941.2	909.6	877.9	898.3	918.5
819.2	82.5°	782.5	745.8	689.8	633.8	644.4	655.0	657.6	660.3	674.7	689.0
520.3	85°	474.9	429.5	376.9	324.5	353.8	383.1	396.9	410.5	426.6	442.7
225.5	87.5°	207.2	188.8	166.7	144.7	167.2	189.6	190.1	190.7	193.7	196.8
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
4842.6	2.5°	4878.9	4923.7	4964.0	5005.7	5047.3	5090.8	5134.3	5177.5	5220.8	5261.5
4767.3	5°	4835.8	4914.3	4993.8	5077.9	5162.1	5252.2	5342.4	5431.9	5521.6	5611.5
4729.1	7.5°	4820.3	4921.9	5030.3	5147.8	5265.2	5398.6	5532.0	5669.0	5806.0	5954.1
4731.7	10°	4827.8	4937.0	5070.8	5210.0	5348.9	5511.0	5673.0	5853.8	6034.9	6222.4
4758.6	12.5°	4837.3	4938.9	5079.5	5236.7	5393.9	5585.0	5776.1	5981.1	6186.2	6392.1
4759.3	15°	4797.0	4878.3	5034.0	5216.1	5398.1	5618.1	5838.1	6060.6	6283.1	6497.8
4687.8	17.5°	4674.0	4724.2	4907.3	5126.2	5345.1	5600.5	5855.9	6098.6	6341.4	6559.1
4537.8	20°	4473.5	4486.7	4699.9	4971.2	5242.5	5552.1	5861.6	6128.3	6395.1	6621.6
4341.0	22.5°	4245.9	4220.0	4462.7	4789.4	5116.2	5492.7	5869.1	6168.5	6467.6	6698.9
4134.8	25°	4025.1	3955.1	4203.9	4586.4	4969.2	5434.0	5899.0	6241.1	6583.0	6809.4
3938.1	27.5°	3832.1	3747.0	3973.4	4400.8	4828.2	5394.8	5961.5	6354.6	6747.6	6963.8
3746.4	30°	3662.4	3595.6	3785.8	4245.7	4705.6	5376.5	6047.0	6501.6	6956.3	7164.9
3563.5	32.5°	3513.7	3484.0	3637.2	4111.9	4586.4	5353.8	6120.8	6655.1	7189.3	7395.9
3386.9	35°	3373.3	3385.6	3513.3	3980.4	4447.6	5311.0	6174.9	6829.9	7484.9	7682.9
3211.0	37.5°	3226.1	3271.1	3382.8	3825.7	4268.6	5237.8	6207.0	7025.7	7844.3	8096.7
3030.7	40°	3064.9	3134.0	3235.2	3641.0	4046.8	5137.0	6227.3	7274.3	8321.1	8688.9
2848.3	42.5°	2893.7	2980.7	3074.0	3437.3	3800.5	5032.9	6265.7	7599.5	8933.3	9464.2
2679.2	45°	2723.4	2807.6	2902.2	3220.8	3539.4	4936.2	6333.2	8027.5	9721.7	10437.8
2534.4	47.5°	2571.5	2644.0	2766.0	3049.6	3333.2	4856.4	6379.6	8483.4	10587.2	11595.3
2404.8	50°	2437.8	2521.9	2682.4	2935.9	3189.4	4769.4	6349.3	8906.5	11463.6	12983.2
2305.5	52.5°	2338.0	2455.7	2640.2	2861.0	3082.0	4622.4	6163.0	9181.2	12199.2	14441.1
2233.6	55°	2285.1	2462.3	2633.9	2806.7	2979.4	4378.7	5778.0	9120.6	12463.1	15733.7
2178.4	57.5°	2253.3	2469.0	2620.3	2742.4	2864.4	4035.1	5205.6	8694.6	12183.7	16649.7
2126.3	60°	2223.4	2448.2	2548.1	2644.0	2739.9	3589.0	4438.1	7901.6	11365.2	16878.7
2067.1	62.5°	2188.6	2397.1	2409.4	2472.9	2536.7	3055.1	3573.5	6829.5	10085.5	15914.7
1986.1	65°	2115.2	2274.1	2272.6	2302.7	2332.8	2574.7	2816.7	5735.6	8654.6	14550.8
1876.8	67.5°	1984.3	2073.6	2077.7	2061.1	2044.2	2113.1	2181.8	4664.0	7146.2	12927.8
1741.7	70°	1818.1	1847.5	1847.5	1769.7	1691.8	1672.3	1652.6	3672.2	5691.9	11156.7
1580.7	72.5°	1633.1	1632.7	1614.2	1503.9	1393.4	1334.0	1274.8	2807.4	4340.1	9236.8
1382.8	75°	1423.1	1430.3	1344.8	1221.1	1097.3	1043.6	989.9	2037.6	3085.4	7035.9
1180.4	77.5°	1212.7	1216.5	1075.6	955.4	835.3	798.6	762.1	1380.7	1999.4	4924.5
945.8	80°	972.8	973.4	805.0	703.4	601.6	586.5	571.4	889.6	1208.0	3172.8
702.3	82.5°	715.5	707.6	563.8	488.9	414.0	410.9	408.3	547.1	686.4	1836.3
456.9	85°	471.1	460.7	353.8	298.9	244.1	245.6	246.9	292.5	338.3	826.0
202.4	87.5°	208.1	194.9	150.4	127.9	105.6	106.9	108.2	121.3	134.3	270.5
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°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
5302.1	2.5°	5322.2	5342.4	5371.0	5399.6	5416.6	5433.6	5442.1	5450.7	5446.9	5450.7
5701.3	5°	5771.5	5841.9	5911.5	5981.3	6019.2	6057.0	6079.9	6103.0	6120.4	6103.0
6102.4	7.5°	6216.7	6330.8	6433.5	6536.2	6598.1	6660.0	6693.5	6726.8	6742.8	6726.8
6409.9	10°	6544.9	6680.0	6800.5	6921.1	6994.1	7066.7	7099.3	7131.6	7143.9	7131.6
6598.1	12.5°	6744.5	6890.8	6999.8	7108.4	7161.3	7214.3	7232.1	7249.9	7251.8	7249.9
6712.6	15°	6839.0	6965.1	7033.4	7101.9	7103.8	7105.7	7086.8	7067.9	7045.5	7067.9
6776.9	17.5°	6862.2	6947.5	6948.9	6950.0	6873.4	6796.8	6726.6	6656.2	6606.6	6656.2
6847.8	20°	6877.5	6907.4	6817.6	6727.7	6558.6	6389.4	6266.3	6143.1	6067.4	6143.1
6930.1	22.5°	6891.2	6852.2	6666.0	6479.9	6231.1	5982.3	5828.3	5674.3	5590.7	5674.3
7036.1	25°	6913.1	6790.1	6507.5	6224.8	5922.7	5620.5	5458.6	5297.0	5217.9	5297.0
7179.9	27.5°	6960.0	6740.0	6365.6	5991.4	5656.5	5321.6	5162.3	5003.2	4928.5	5003.2
7373.8	30°	7045.9	6718.2	6257.4	5796.5	5447.6	5098.8	4951.0	4803.2	4733.6	4803.2
7602.7	32.5°	7153.8	6705.0	6183.6	5662.2	5334.3	5006.4	4890.5	4774.3	4724.2	4774.3
7880.8	35°	7331.4	6782.2	6238.8	5695.7	5467.9	5240.3	5213.2	5186.2	5182.0	5186.2
8349.1	37.5°	7702.8	7056.5	6562.7	6068.9	6054.2	6039.4	6163.2	6286.9	6351.2	6286.9
9056.7	40°	8353.8	7651.0	7283.7	6916.5	7175.7	7434.9	7735.7	8036.5	8186.4	8036.5
9995.1	42.5°	9297.7	8600.3	8388.8	8177.3	8742.6	9307.9	9855.1	10402.2	10723.5	10402.2
11153.9	45°	10527.5	9900.9	9807.6	9714.1	10619.8	11525.6	12424.7	13323.9	13869.7	13323.9
12603.1	47.5°	11993.7	11384.1	11365.2	11346.3	12652.9	13959.0	15275.3	16591.3	17364.1	16591.3
14502.6	50°	13749.8	12997.2	13000.4	13003.6	14687.4	16371.3	18108.6	19846.0	20896.4	19846.0
16683.0	52.5°	15771.5	14860.2	14768.0	14675.7	16687.0	18698.3	20847.9	22997.4	24256.4	22997.4
19004.4	55°	18103.9	17203.3	16844.0	16484.8	18723.3	20961.6	23524.3	26086.9	27584.3	26086.9
21115.8	57.5°	20625.4	20134.9	19414.2	18693.8	20954.1	23214.4	26117.0	29019.4	30876.3	29019.4
22391.9	60°	23153.6	23915.5	23020.6	22125.8	24264.8	26403.8	29511.5	32619.2	34626.1	32619.2
21744.0	62.5°	23825.3	25906.6	25805.7	25704.7	27664.2	29623.9	32580.6	35537.1	37392.1	35537.1
20447.0	65°	22400.5	24353.9	24740.4	25126.7	27616.9	30107.2	32974.3	35841.1	37420.5	35841.1
18709.3	67.5°	20567.2	22425.1	22606.3	22787.4	25382.0	27976.4	30855.7	33735.0	34972.3	33735.0
16621.6	70°	18642.3	20663.3	20744.3	20825.4	23145.7	25465.8	27943.6	30421.3	31109.0	30421.3
14133.7	72.5°	16452.6	18771.7	18830.0	18888.1	20703.4	22518.7	24374.5	26230.1	26299.7	26230.1
10986.4	75°	13386.5	15786.6	16002.1	16217.6	17630.0	19042.3	20348.7	21655.0	21305.0	21655.0
7849.6	77.5°	10090.0	12330.7	12639.0	12947.4	14021.1	15094.8	16021.2	16947.9	16346.3	16947.9
5137.5	80°	7022.5	8907.2	9290.5	9673.8	10484.7	11295.2	11781.8	12268.2	11300.5	12268.2
2986.4	82.5°	4275.0	5563.8	5991.9	6420.3	6978.4	7536.5	7739.5	7942.3	7181.8	7942.3
1313.9	85°	1997.9	2681.8	3046.0	3410.2	3868.8	4327.2	4442.4	4557.7	3948.5	4557.7
406.8	87.5°	636.6	866.5	1069.7	1272.9	1502.2	1731.5	1741.3	1751.0	1470.0	1751.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
4930.4	0°	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4	4930.4
5442.1	2.5°	5433.6	5416.6	5399.6	5371.0	5342.4	5322.2	5302.1
6079.9	5°	6057.0	6019.2	5981.3	5911.5	5841.9	5771.5	5701.3
6693.5	7.5°	6660.0	6598.1	6536.2	6433.5	6330.8	6216.7	6102.4
7099.3	10°	7066.7	6994.1	6921.1	6800.5	6680.0	6544.9	6409.9
7232.1	12.5°	7214.3	7161.3	7108.4	6999.8	6890.8	6744.5	6598.1
7086.8	15°	7105.7	7103.8	7101.9	7033.4	6965.1	6839.0	6712.6
6726.6	17.5°	6796.8	6873.4	6950.0	6948.9	6947.5	6862.2	6776.9
6266.3	20°	6389.4	6558.6	6727.7	6817.6	6907.4	6877.5	6847.8
5828.3	22.5°	5982.3	6231.1	6479.9	6666.0	6852.2	6891.2	6930.1
5458.6	25°	5620.5	5922.7	6224.8	6507.5	6790.1	6913.1	7036.1
5162.3	27.5°	5321.6	5656.5	5991.4	6365.6	6740.0	6960.0	7179.9
4951.0	30°	5098.8	5447.6	5796.5	6257.4	6718.2	7045.9	7373.8
4890.5	32.5°	5006.4	5334.3	5662.2	6183.6	6705.0	7153.8	7602.7
5213.2	35°	5240.3	5467.9	5695.7	6238.8	6782.2	7331.4	7880.8
6163.2	37.5°	6039.4	6054.2	6068.9	6562.7	7056.5	7702.8	8349.1
7735.7	40°	7434.9	7175.7	6916.5	7283.7	7651.0	8353.8	9056.7
9855.1	42.5°	9307.9	8742.6	8177.3	8388.8	8600.3	9297.7	9995.1
12424.7	45°	11525.6	10619.8	9714.1	9807.6	9900.9	10527.5	11153.9
15275.3	47.5°	13959.0	12652.9	11346.3	11365.2	11384.1	11993.7	12603.1
18108.6	50°	16371.3	14687.4	13003.6	13000.4	12997.2	13749.8	14502.6
20847.9	52.5°	18698.3	16687.0	14675.7	14768.0	14860.2	15771.5	16683.0
23524.3	55°	20961.6	18723.3	16484.8	16844.0	17203.3	18103.9	19004.4
26117.0	57.5°	23214.4	20954.1	18693.8	19414.2	20134.9	20625.4	21115.8
29511.5	60°	26403.8	24264.8	22125.8	23020.6	23915.5	23153.6	22391.9
32580.6	62.5°	29623.9	27664.2	25704.7	25805.7	25906.6	23825.3	21744.0
32974.3	65°	30107.2	27616.9	25126.7	24740.4	24353.9	22400.5	20447.0
30855.7	67.5°	27976.4	25382.0	22787.4	22606.3	22425.1	20567.2	18709.3
27943.6	70°	25465.8	23145.7	20825.4	20744.3	20663.3	18642.3	16621.6
24374.5	72.5°	22518.7	20703.4	18888.1	18830.0	18771.7	16452.6	14133.7
20348.7	75°	19042.3	17630.0	16217.6	16002.1	15786.6	13386.5	10986.4
16021.2	77.5°	15094.8	14021.1	12947.4	12639.0	12330.7	10090.0	7849.6
11781.8	80°	11295.2	10484.7	9673.8	9290.5	8907.2	7022.5	5137.5
7739.5	82.5°	7536.5	6978.4	6420.3	5991.9	5563.8	4275.0	2986.4
4442.4	85°	4327.2	3868.8	3410.2	3046.0	2681.8	1997.9	1313.9
1741.3	87.5°	1731.5	1502.2	1272.9	1069.7	866.5	636.6	406.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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