

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: P956455

Luminaire Tested: **GALN-SB9A-835-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956455  
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-SB9A-835-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

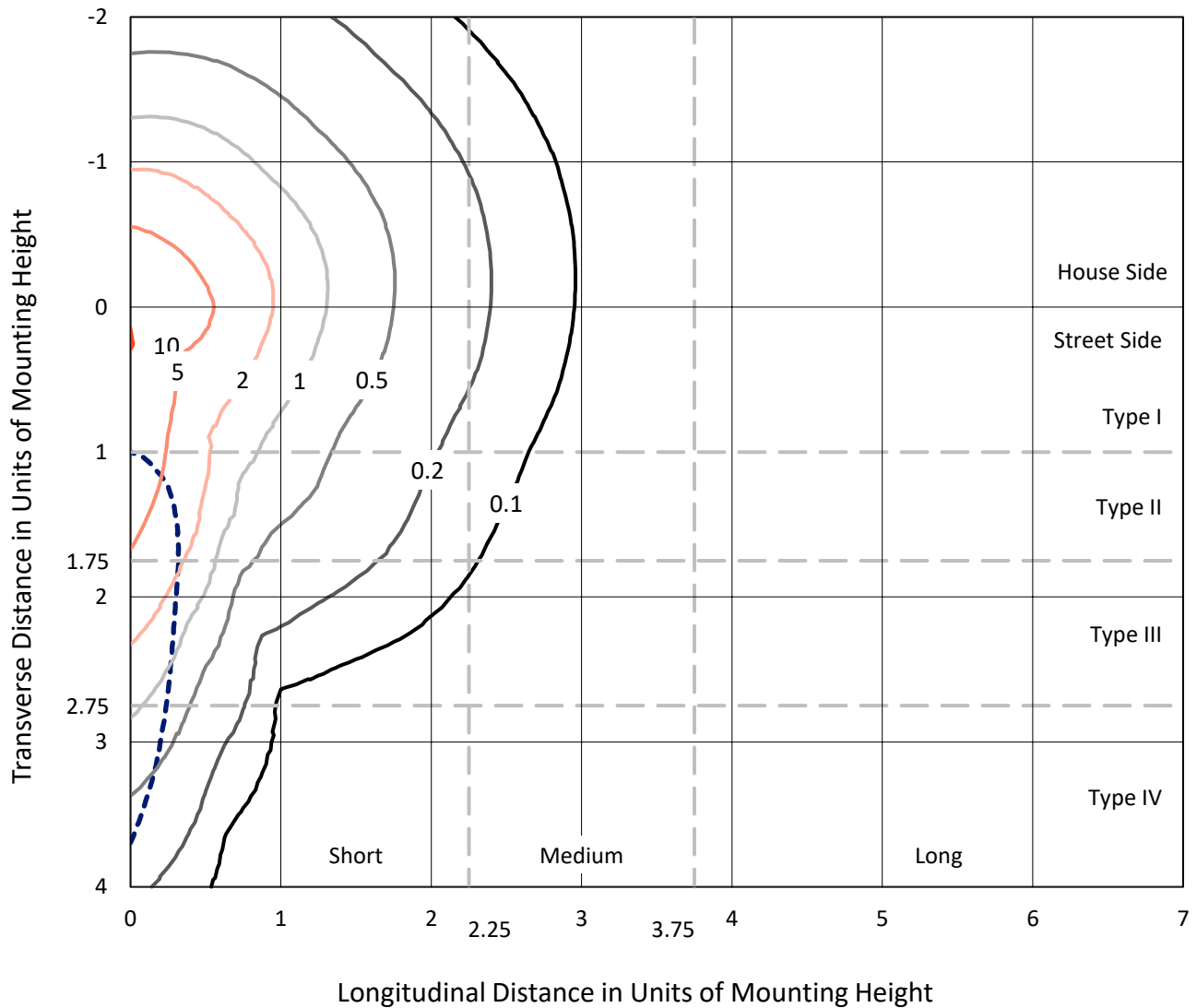
Lumens per Lamp: N/A  
Luminaire Lumens: 37762 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

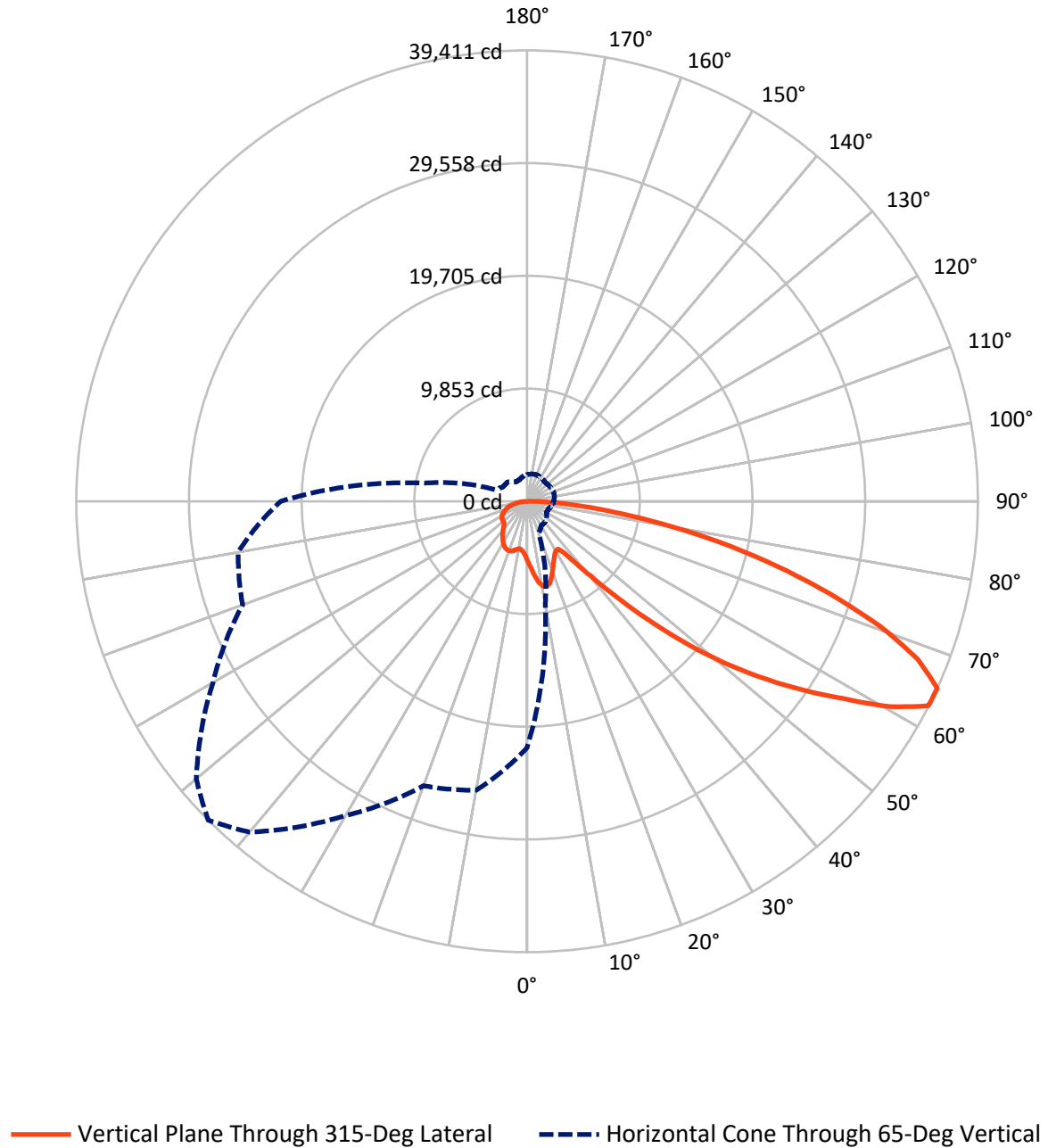
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	9597.2	0.0	9597.2
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	28164.8	0.0	28164.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	37762.0	0.0	37762.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	515.1	1.4
10°-20°	1617.0	4.3
20°-30°	2497.7	6.6
30°-40°	3165.2	8.4
40°-50°	4774.0	12.6
50°-60°	7713.1	20.4
60°-70°	9615.6	25.5
70°-80°	6305.4	16.7
80°-90°	1558.9	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°	37762.0	100.0
0°-180°	37762.0	100.0

**Coefficient of Utilization**



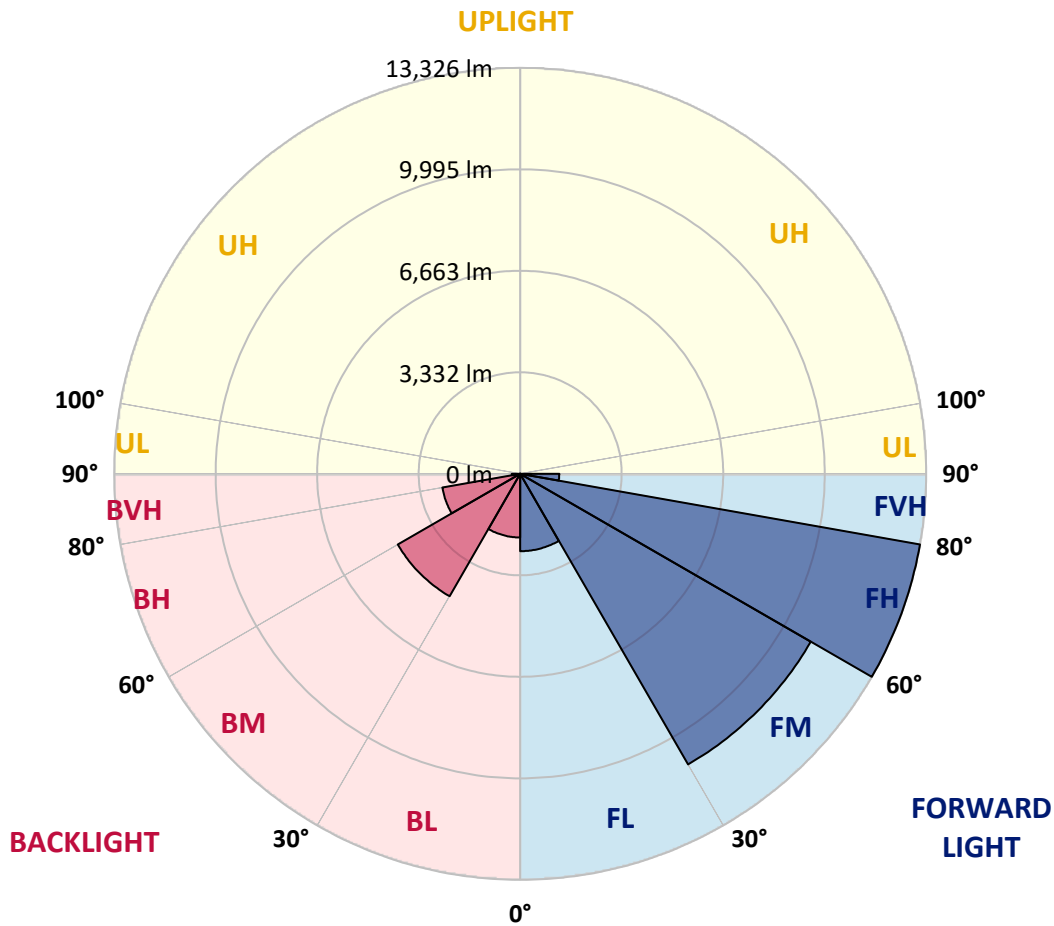
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2539.9	6.7			
FM (30°-60°)	11014.4	29.2			
FH (60°-80°)	13326.4	35.3			G5
FVH (80°-90°)	1284.2	3.4			G5
BL (0°-30°)	2089.9	5.5	B3/2500		
BM (30°-60°)	4638.0	12.3	B3/5000		
BH (60°-80°)	2594.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	274.7	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



REPORT NUMBER: P956455  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
2.5°	5584.1	5541.3	5498.5	5452.8	5407.4	5361.6	5315.7	5271.9	5228.1	5185.6
5°	6004.6	5909.9	5815.3	5720.8	5626.6	5531.5	5436.7	5348.0	5259.4	5175.7
7.5°	6427.0	6270.8	6114.8	5970.5	5826.2	5685.8	5545.3	5421.5	5297.8	5183.6
10°	6750.8	6553.3	6355.9	6165.2	5974.7	5804.1	5633.4	5487.1	5340.4	5199.6
12.5°	6949.0	6732.0	6515.3	6299.3	6083.3	5882.0	5680.8	5515.2	5349.6	5201.6
15°	7069.6	6843.4	6617.3	6383.0	6148.6	5916.9	5685.2	5493.5	5301.8	5137.8
17.5°	7137.3	6908.0	6678.6	6423.0	6167.4	5898.4	5629.4	5398.8	5168.3	4975.4
20°	7212.1	6973.7	6735.2	6454.3	6173.3	5847.4	5521.4	5235.6	4949.9	4725.3
22.5°	7298.7	7055.2	6811.6	6496.5	6181.3	5784.8	5388.3	5044.2	4700.0	4444.4
25°	7410.3	7171.6	6933.1	6573.0	6212.8	5723.0	5233.4	4830.4	4427.5	4165.4
27.5°	7561.7	7334.2	7106.4	6692.6	6278.5	5681.8	5085.0	4634.9	4184.8	3946.3
30°	7766.0	7546.0	7326.2	6847.4	6368.6	5662.4	4955.9	4471.5	3987.1	3786.9
32.5°	8007.1	7789.3	7571.7	7009.0	6446.3	5638.5	4830.4	4330.6	3830.7	3669.3
35°	8300.0	8091.6	7882.9	7193.1	6503.3	5593.5	4684.1	4192.1	3700.2	3565.7
37.5°	8793.1	8527.3	8261.5	7399.4	6537.2	5516.4	4495.6	4029.1	3562.7	3445.1
40°	9538.4	9151.0	8763.7	7661.2	6558.5	5410.2	4262.1	3834.7	3407.3	3300.7
42.5°	10526.7	9967.6	9408.4	8003.7	6598.9	5300.6	4002.6	3620.1	3237.5	3139.3
45°	11747.1	10992.9	10238.7	8454.4	6670.1	5198.8	3727.7	3392.1	3056.6	2957.0
47.5°	13273.4	12212.0	11150.3	8934.6	6718.9	5114.7	3510.5	3211.8	2913.1	2784.6
50°	15273.9	13673.7	12073.3	9380.2	6687.0	5023.0	3359.1	3092.0	2825.0	2656.1
52.5°	17570.4	15209.2	12848.0	9669.5	6490.8	4868.2	3245.9	3013.1	2780.6	2586.3
55°	20015.2	16570.5	13126.0	9605.7	6085.3	4611.6	3137.9	2956.0	2774.0	2593.3
57.5°	22238.9	17535.3	12831.7	9157.0	5482.5	4249.7	3016.7	2888.2	2759.7	2600.3
60°	23582.9	17776.4	11969.7	8321.9	4674.1	3779.9	2885.6	2784.6	2683.6	2578.4
62.5°	22900.4	16761.2	10621.9	7192.7	3763.5	3217.6	2671.6	2604.5	2537.5	2524.6
65°	21534.5	15324.7	9114.9	6040.6	2966.5	2711.7	2456.8	2425.1	2393.5	2395.1
67.5°	19704.4	13615.3	7526.3	4912.0	2297.8	2225.5	2153.0	2170.7	2188.2	2183.8
70°	17505.6	11750.1	5994.6	3867.6	1740.5	1761.2	1781.7	1863.8	1945.7	1945.7
72.5°	14885.4	9728.1	4570.9	2956.8	1342.6	1405.0	1467.5	1583.9	1700.0	1719.6
75°	11570.8	7410.1	3249.5	2146.0	1042.5	1099.1	1155.7	1286.0	1416.3	1506.4
77.5°	8267.1	5186.4	2105.7	1454.2	802.6	841.1	879.7	1006.2	1132.8	1281.2
80°	5410.8	3341.5	1272.2	936.9	601.8	617.7	633.6	740.8	847.8	1025.2
82.5°	3145.2	1934.0	722.9	576.2	430.0	432.8	436.0	514.9	593.8	745.2
85°	1383.8	869.9	356.3	308.0	260.0	258.6	257.0	314.8	372.6	485.2
87.5°	428.4	284.9	141.5	127.7	114.0	112.6	111.2	134.7	158.4	205.2
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°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5138.4	2.5°	5100.1	5062.1	5027.6	4993.3	4963.3	4933.2	4902.9	4872.8	4849.5	4826.0
5093.0	5°	5020.8	4948.5	4887.9	4827.6	4774.2	4720.8	4672.3	4623.7	4586.5	4549.0
5076.6	7.5°	4980.6	4884.8	4805.0	4725.3	4658.2	4590.8	4531.5	4472.3	4427.9	4383.6
5084.6	10°	4983.4	4882.2	4802.5	4722.8	4650.4	4577.9	4511.1	4444.4	4391.4	4338.2
5094.6	12.5°	5011.7	4929.2	4876.2	4823.6	4766.6	4710.0	4640.9	4571.9	4504.2	4436.4
5052.1	15°	5012.5	4973.0	4980.2	4987.4	4972.6	4957.9	4897.9	4837.9	4741.5	4645.0
4922.6	17.5°	4937.2	4951.5	5038.4	5125.3	5171.5	5217.5	5169.1	5120.9	4993.1	4865.4
4711.4	20°	4779.1	4846.9	4997.7	5148.8	5245.4	5342.0	5319.7	5297.2	5151.2	5005.3
4471.7	22.5°	4571.9	4672.1	4844.3	5016.9	5142.6	5268.3	5281.9	5295.2	5155.7	5016.3
4239.2	25°	4354.7	4470.3	4625.1	4780.1	4903.9	5027.6	5073.8	5119.9	5005.5	4891.3
4035.9	27.5°	4147.5	4259.1	4386.4	4513.5	4612.8	4712.0	4763.4	4815.0	4733.5	4652.2
3857.2	30°	3945.7	4034.5	4140.1	4245.7	4328.0	4410.5	4452.4	4494.2	4432.2	4370.1
3700.6	32.5°	3753.0	3805.4	3889.7	3974.2	4053.1	4132.2	4178.6	4225.2	4168.2	4111.0
3552.7	35°	3567.1	3581.6	3646.0	3710.1	3788.2	3866.6	3922.3	3978.1	3937.5	3897.0
3397.7	37.5°	3381.8	3365.8	3412.1	3458.1	3536.0	3614.1	3683.0	3752.0	3733.3	3714.5
3227.9	40°	3191.9	3155.8	3189.1	3222.4	3297.7	3373.0	3452.3	3531.8	3536.4	3540.8
3047.6	42.5°	2999.8	2952.0	2979.1	3006.4	3077.7	3149.2	3234.9	3320.6	3343.5	3366.4
2868.3	45°	2821.7	2775.2	2797.9	2821.1	2888.8	2956.6	3045.4	3134.3	3167.2	3200.0
2708.3	47.5°	2669.2	2630.2	2651.7	2673.0	2739.4	2805.5	2893.2	2980.9	3018.7	3056.6
2567.4	50°	2532.7	2498.3	2531.7	2565.4	2628.0	2690.3	2768.9	2847.4	2896.0	2944.6
2462.4	52.5°	2428.1	2394.1	2444.5	2494.7	2552.1	2609.3	2682.4	2755.7	2813.3	2870.9
2406.6	55°	2352.4	2298.4	2369.9	2441.3	2503.0	2564.8	2629.0	2692.9	2753.9	2815.1
2373.1	57.5°	2294.2	2215.3	2292.2	2369.1	2441.7	2514.2	2577.6	2641.1	2702.7	2764.1
2341.7	60°	2239.4	2137.0	2204.6	2271.9	2355.2	2438.5	2502.8	2567.4	2629.2	2690.9
2305.0	62.5°	2177.1	2049.3	2092.2	2135.0	2232.1	2329.3	2398.0	2466.8	2523.4	2580.0
2227.7	65°	2091.8	1955.7	1972.2	1988.6	2092.6	2196.8	2262.5	2328.3	2378.1	2427.9
2089.8	67.5°	1976.6	1863.4	1858.3	1853.1	1949.1	2045.4	2107.7	2169.9	2212.9	2256.0
1914.8	70°	1834.3	1753.8	1735.9	1718.0	1802.5	1887.0	1940.7	1994.5	2033.4	2072.3
1720.0	72.5°	1664.8	1609.6	1583.3	1557.2	1623.7	1690.1	1738.7	1787.3	1825.4	1863.4
1498.8	75°	1456.4	1413.7	1388.6	1363.3	1412.7	1462.1	1506.2	1550.2	1584.9	1619.5
1277.2	77.5°	1243.2	1209.1	1183.6	1158.1	1198.3	1238.4	1276.2	1314.1	1350.6	1386.8
1024.6	80°	996.1	967.4	946.1	924.5	958.0	991.3	1023.2	1055.1	1082.8	1110.3
753.6	82.5°	739.6	725.7	710.5	695.4	692.6	689.8	678.7	667.5	726.5	785.5
496.1	85°	481.2	466.3	449.3	432.4	418.0	403.5	372.6	341.7	396.9	452.3
219.2	87.5°	213.2	207.2	204.0	200.8	200.3	199.7	176.1	152.4	175.5	198.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
4807.0	2.5°	4788.1	4773.4	4758.6	4745.1	4731.3	4714.4	4731.3	4745.1	4758.6	4773.4
4522.9	5°	4496.8	4478.3	4459.7	4445.6	4431.4	4417.5	4431.4	4445.6	4459.7	4478.3
4352.5	7.5°	4321.5	4300.1	4279.0	4266.3	4253.7	4244.1	4253.7	4266.3	4279.0	4300.1
4303.5	10°	4268.5	4248.3	4228.2	4217.4	4206.7	4202.3	4206.7	4217.4	4228.2	4248.3
4391.6	12.5°	4346.8	4324.2	4301.9	4292.8	4283.6	4282.0	4283.6	4292.8	4301.9	4324.2
4576.9	15°	4508.8	4477.5	4446.4	4434.4	4422.5	4421.5	4422.5	4434.4	4446.4	4477.5
4765.0	17.5°	4664.6	4618.3	4571.9	4556.8	4541.4	4539.0	4541.4	4556.8	4571.9	4618.3
4882.2	20°	4759.2	4700.0	4640.7	4621.7	4602.8	4596.8	4602.8	4621.7	4640.7	4700.0
4889.5	22.5°	4762.6	4700.2	4637.7	4616.8	4595.8	4586.9	4595.8	4616.8	4637.7	4700.2
4778.5	25°	4666.2	4612.0	4558.0	4538.2	4518.7	4507.2	4518.7	4538.2	4558.0	4612.0
4564.7	27.5°	4477.3	4441.0	4404.5	4395.6	4386.6	4383.6	4386.6	4395.6	4404.5	4441.0
4307.5	30°	4244.5	4226.0	4207.3	4207.3	4207.3	4210.3	4207.3	4207.3	4207.3	4226.0
4061.0	32.5°	4011.0	3998.9	3986.7	3988.3	3990.1	3993.1	3990.1	3988.3	3986.7	3998.9
3850.8	35°	3804.8	3786.3	3767.9	3763.9	3760.0	3758.0	3760.0	3763.9	3767.9	3786.3
3672.1	37.5°	3629.4	3595.8	3562.3	3544.6	3526.8	3516.9	3526.8	3544.6	3562.3	3595.8
3504.7	40°	3468.6	3419.6	3371.0	3337.9	3305.3	3285.7	3305.3	3337.9	3371.0	3419.6
3335.9	42.5°	3305.6	3244.9	3184.1	3136.1	3088.1	3056.6	3088.1	3136.1	3184.1	3244.9
3172.5	45°	3145.2	3075.7	3006.4	2950.0	2893.6	2857.3	2893.6	2950.0	3006.4	3075.7
3037.5	47.5°	3018.3	2956.6	2894.8	2842.6	2790.6	2755.7	2790.6	2842.6	2894.8	2956.6
2943.4	50°	2942.6	2893.2	2843.8	2795.6	2747.3	2713.9	2747.3	2795.6	2843.8	2893.2
2881.2	52.5°	2891.6	2851.3	2811.1	2767.9	2724.8	2693.9	2724.8	2767.9	2811.1	2851.3
2829.4	55°	2843.8	2808.7	2773.6	2735.8	2697.9	2670.0	2697.9	2735.8	2773.6	2808.7
2778.6	57.5°	2793.2	2757.7	2722.2	2684.8	2647.1	2618.2	2647.1	2684.8	2722.2	2757.7
2706.9	60°	2722.8	2688.2	2653.7	2615.0	2576.4	2546.5	2576.4	2615.0	2653.7	2688.2
2595.3	62.5°	2610.6	2579.4	2548.1	2507.4	2466.8	2430.9	2466.8	2507.4	2548.1	2579.4
2443.7	65°	2459.2	2429.1	2399.0	2359.6	2320.3	2289.4	2320.3	2359.6	2399.0	2429.1
2271.3	67.5°	2286.5	2258.8	2231.3	2194.6	2157.9	2130.0	2157.9	2194.6	2231.3	2258.8
2087.0	70°	2101.7	2079.2	2056.7	2021.6	1986.6	1954.7	1986.6	2021.6	2056.7	2079.2
1881.0	72.5°	1898.5	1879.8	1861.0	1827.6	1794.3	1763.4	1794.3	1827.6	1861.0	1879.8
1637.9	75°	1656.2	1647.0	1637.9	1609.8	1581.7	1552.2	1581.7	1609.8	1637.9	1647.0
1404.0	77.5°	1421.1	1408.3	1395.2	1366.9	1338.6	1315.1	1338.6	1366.9	1395.2	1408.3
1133.0	80°	1155.7	1150.1	1144.7	1106.7	1068.4	1024.2	1068.4	1106.7	1144.7	1150.1
824.1	82.5°	862.8	860.4	857.8	825.7	793.4	765.1	793.4	825.7	857.8	860.4
500.1	85°	548.0	544.0	540.0	514.9	489.8	464.3	489.8	514.9	540.0	544.0
218.2	87.5°	237.5	232.7	227.5	214.8	201.6	189.3	201.6	214.8	227.5	232.7
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
4788.1	2.5°	4807.0	4826.0	4849.5	4872.8	4902.9	4933.2	4963.3	4993.3	5027.6	5062.1
4496.8	5°	4522.9	4549.0	4586.5	4623.7	4672.3	4720.8	4774.2	4827.6	4887.9	4948.5
4321.5	7.5°	4352.5	4383.6	4427.9	4472.3	4531.5	4590.8	4658.2	4725.3	4805.0	4884.8
4268.5	10°	4303.5	4338.2	4391.4	4444.4	4511.1	4577.9	4650.4	4722.8	4802.5	4882.2
4346.8	12.5°	4391.6	4436.4	4504.2	4571.9	4640.9	4710.0	4766.6	4823.6	4876.2	4929.2
4508.8	15°	4576.9	4645.0	4741.5	4837.9	4897.9	4957.9	4972.6	4987.4	4980.2	4973.0
4664.6	17.5°	4765.0	4865.4	4993.1	5120.9	5169.1	5217.5	5171.5	5125.3	5038.4	4951.5
4759.2	20°	4882.2	5005.3	5151.2	5297.2	5319.7	5342.0	5245.4	5148.8	4997.7	4846.9
4762.6	22.5°	4889.5	5016.3	5155.7	5295.2	5281.9	5268.3	5142.6	5016.9	4844.3	4672.1
4666.2	25°	4778.5	4891.3	5005.5	5119.9	5073.8	5027.6	4903.9	4780.1	4625.1	4470.3
4477.3	27.5°	4564.7	4652.2	4733.5	4815.0	4763.4	4712.0	4612.8	4513.5	4386.4	4259.1
4244.5	30°	4307.5	4370.1	4432.2	4494.2	4452.4	4410.5	4328.0	4245.7	4140.1	4034.5
4011.0	32.5°	4061.0	4111.0	4168.2	4225.2	4178.6	4132.2	4053.1	3974.2	3889.7	3805.4
3804.8	35°	3850.8	3897.0	3937.5	3978.1	3922.3	3866.6	3788.2	3710.1	3646.0	3581.6
3629.4	37.5°	3672.1	3714.5	3733.3	3752.0	3683.0	3614.1	3536.0	3458.1	3412.1	3365.8
3468.6	40°	3504.7	3540.8	3536.4	3531.8	3452.3	3373.0	3297.7	3222.4	3189.1	3155.8
3305.6	42.5°	3335.9	3366.4	3343.5	3320.6	3234.9	3149.2	3077.7	3006.4	2979.1	2952.0
3145.2	45°	3172.5	3200.0	3167.2	3134.3	3045.4	2956.6	2888.8	2821.1	2797.9	2775.2
3018.3	47.5°	3037.5	3056.6	3018.7	2980.9	2893.2	2805.5	2739.4	2673.0	2651.7	2630.2
2942.6	50°	2943.4	2944.6	2896.0	2847.4	2768.9	2690.3	2628.0	2565.4	2531.7	2498.3
2891.6	52.5°	2881.2	2870.9	2813.3	2755.7	2682.4	2609.3	2552.1	2494.7	2444.5	2394.1
2843.8	55°	2829.4	2815.1	2753.9	2692.9	2629.0	2564.8	2503.0	2441.3	2369.9	2298.4
2793.2	57.5°	2778.6	2764.1	2702.7	2641.1	2577.6	2514.2	2441.7	2369.1	2292.2	2215.3
2722.8	60°	2706.9	2690.9	2629.2	2567.4	2502.8	2438.5	2355.2	2271.9	2204.6	2137.0
2610.6	62.5°	2595.3	2580.0	2523.4	2466.8	2398.0	2329.3	2232.1	2135.0	2092.2	2049.3
2459.2	65°	2443.7	2427.9	2378.1	2328.3	2262.5	2196.8	2092.6	1988.6	1972.2	1955.7
2286.5	67.5°	2271.3	2256.0	2212.9	2169.9	2107.7	2045.4	1949.1	1853.1	1858.3	1863.4
2101.7	70°	2087.0	2072.3	2033.4	1994.5	1940.7	1887.0	1802.5	1718.0	1735.9	1753.8
1898.5	72.5°	1881.0	1863.4	1825.4	1787.3	1738.7	1690.1	1623.7	1557.2	1583.3	1609.6
1656.2	75°	1637.9	1619.5	1584.9	1550.2	1506.2	1462.1	1412.7	1363.3	1388.6	1413.7
1421.1	77.5°	1404.0	1386.8	1350.6	1314.1	1276.2	1238.4	1198.3	1158.1	1183.6	1209.1
1155.7	80°	1133.0	1110.3	1082.8	1055.1	1023.2	991.3	958.0	924.5	946.1	967.4
862.8	82.5°	824.1	785.5	726.5	667.5	678.7	689.8	692.6	695.4	710.5	725.7
548.0	85°	500.1	452.3	396.9	341.7	372.6	403.5	418.0	432.4	449.3	466.3
237.5	87.5°	218.2	198.9	175.5	152.4	176.1	199.7	200.3	200.8	204.0	207.2
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°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5100.1	2.5°	5138.4	5185.6	5228.1	5271.9	5315.7	5361.6	5407.4	5452.8	5498.5	5541.3
5020.8	5°	5093.0	5175.7	5259.4	5348.0	5436.7	5531.5	5626.6	5720.8	5815.3	5909.9
4980.6	7.5°	5076.6	5183.6	5297.8	5421.5	5545.3	5685.8	5826.2	5970.5	6114.8	6270.8
4983.4	10°	5084.6	5199.6	5340.4	5487.1	5633.4	5804.1	5974.7	6165.2	6355.9	6553.3
5011.7	12.5°	5094.6	5201.6	5349.6	5515.2	5680.8	5882.0	6083.3	6299.3	6515.3	6732.0
5012.5	15°	5052.1	5137.8	5301.8	5493.5	5685.2	5916.9	6148.6	6383.0	6617.3	6843.4
4937.2	17.5°	4922.6	4975.4	5168.3	5398.8	5629.4	5898.4	6167.4	6423.0	6678.6	6908.0
4779.1	20°	4711.4	4725.3	4949.9	5235.6	5521.4	5847.4	6173.3	6454.3	6735.2	6973.7
4571.9	22.5°	4471.7	4444.4	4700.0	5044.2	5388.3	5784.8	6181.3	6496.5	6811.6	7055.2
4354.7	25°	4239.2	4165.4	4427.5	4830.4	5233.4	5723.0	6212.8	6573.0	6933.1	7171.6
4147.5	27.5°	4035.9	3946.3	4184.8	4634.9	5085.0	5681.8	6278.5	6692.6	7106.4	7334.2
3945.7	30°	3857.2	3786.9	3987.1	4471.5	4955.9	5662.4	6368.6	6847.4	7326.2	7546.0
3753.0	32.5°	3700.6	3669.3	3830.7	4330.6	4830.4	5638.5	6446.3	7009.0	7571.7	7789.3
3567.1	35°	3552.7	3565.7	3700.2	4192.1	4684.1	5593.5	6503.3	7193.1	7882.9	8091.6
3381.8	37.5°	3397.7	3445.1	3562.7	4029.1	4495.6	5516.4	6537.2	7399.4	8261.5	8527.3
3191.9	40°	3227.9	3300.7	3407.3	3834.7	4262.1	5410.2	6558.5	7661.2	8763.7	9151.0
2999.8	42.5°	3047.6	3139.3	3237.5	3620.1	4002.6	5300.6	6598.9	8003.7	9408.4	9967.6
2821.7	45°	2868.3	2957.0	3056.6	3392.1	3727.7	5198.8	6670.1	8454.4	10238.7	10992.9
2669.2	47.5°	2708.3	2784.6	2913.1	3211.8	3510.5	5114.7	6718.9	8934.6	11150.3	12212.0
2532.7	50°	2567.4	2656.1	2825.0	3092.0	3359.1	5023.0	6687.0	9380.2	12073.3	13673.7
2428.1	52.5°	2462.4	2586.3	2780.6	3013.1	3245.9	4868.2	6490.8	9669.5	12848.0	15209.2
2352.4	55°	2406.6	2593.3	2774.0	2956.0	3137.9	4611.6	6085.3	9605.7	13126.0	16570.5
2294.2	57.5°	2373.1	2600.3	2759.7	2888.2	3016.7	4249.7	5482.5	9157.0	12831.7	17535.3
2239.4	60°	2341.7	2578.4	2683.6	2784.6	2885.6	3779.9	4674.1	8321.9	11969.7	17776.4
2177.1	62.5°	2305.0	2524.6	2537.5	2604.5	2671.6	3217.6	3763.5	7192.7	10621.9	16761.2
2091.8	65°	2227.7	2395.1	2393.5	2425.1	2456.8	2711.7	2966.5	6040.6	9114.9	15324.7
1976.6	67.5°	2089.8	2183.8	2188.2	2170.7	2153.0	2225.5	2297.8	4912.0	7526.3	13615.3
1834.3	70°	1914.8	1945.7	1945.7	1863.8	1781.7	1761.2	1740.5	3867.6	5994.6	11750.1
1664.8	72.5°	1720.0	1719.6	1700.0	1583.9	1467.5	1405.0	1342.6	2956.8	4570.9	9728.1
1456.4	75°	1498.8	1506.4	1416.3	1286.0	1155.7	1099.1	1042.5	2146.0	3249.5	7410.1
1243.2	77.5°	1277.2	1281.2	1132.8	1006.2	879.7	841.1	802.6	1454.2	2105.7	5186.4
996.1	80°	1024.6	1025.2	847.8	740.8	633.6	617.7	601.8	936.9	1272.2	3341.5
739.6	82.5°	753.6	745.2	593.8	514.9	436.0	432.8	430.0	576.2	722.9	1934.0
481.2	85°	496.1	485.2	372.6	314.8	257.0	258.6	260.0	308.0	356.3	869.9
213.2	87.5°	219.2	205.2	158.4	134.7	111.2	112.6	114.0	127.7	141.5	284.9
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°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5584.1	2.5°	5605.3	5626.6	5656.7	5686.8	5704.7	5722.6	5731.6	5740.6	5736.6	5740.6
6004.6	5°	6078.5	6152.6	6225.9	6299.5	6339.3	6379.2	6403.3	6427.6	6445.9	6427.6
6427.0	7.5°	6547.3	6667.5	6775.7	6883.9	6949.0	7014.2	7049.5	7084.5	7101.5	7084.5
6750.8	10°	6893.0	7035.3	7162.2	7289.2	7366.1	7442.6	7476.9	7510.9	7523.9	7510.9
6949.0	12.5°	7103.3	7257.3	7372.1	7486.4	7542.2	7598.0	7616.7	7635.5	7637.5	7635.5
7069.6	15°	7202.7	7335.6	7407.5	7479.7	7481.6	7483.6	7463.7	7443.8	7420.3	7443.8
7137.3	17.5°	7227.2	7317.1	7318.5	7319.7	7239.0	7158.3	7084.3	7010.2	6958.0	7010.2
7212.1	20°	7243.3	7274.8	7180.2	7085.5	6907.4	6729.3	6599.5	6469.8	6390.1	6469.8
7298.7	22.5°	7257.7	7216.6	7020.6	6824.5	6562.5	6300.5	6138.3	5976.1	5888.0	5976.1
7410.3	25°	7280.8	7151.3	6853.6	6555.9	6237.7	5919.5	5748.9	5578.8	5495.5	5578.8
7561.7	27.5°	7330.2	7098.5	6704.2	6310.0	5957.3	5604.7	5436.9	5269.3	5190.6	5269.3
7766.0	30°	7420.7	7075.6	6590.2	6104.8	5737.4	5369.9	5214.3	5058.7	4985.4	5058.7
8007.1	32.5°	7534.3	7061.6	6512.5	5963.3	5618.0	5272.7	5150.6	5028.2	4975.4	5028.2
8300.0	35°	7721.4	7142.9	6570.7	5998.6	5758.7	5519.0	5490.5	5462.0	5457.6	5462.0
8793.1	37.5°	8112.5	7431.8	6911.8	6391.7	6376.2	6360.6	6490.9	6621.3	6689.0	6621.3
9538.4	40°	8798.1	8057.9	7671.1	7284.4	7557.4	7830.3	8147.2	8464.0	8621.8	8464.0
10526.7	42.5°	9792.2	9057.8	8835.0	8612.2	9207.6	9803.0	10379.2	10955.5	11293.8	10955.5
11747.1	45°	11087.4	10427.4	10329.2	10230.8	11184.6	12138.6	13085.5	14032.6	14607.4	14032.6
13273.4	47.5°	12631.6	11989.6	11969.7	11949.8	13325.8	14701.5	16087.7	17473.7	18287.7	17473.7
15273.9	50°	14481.1	13688.5	13691.8	13695.2	15468.6	17242.0	19071.7	20901.5	22007.8	20901.5
17570.4	52.5°	16610.3	15650.5	15553.5	15456.3	17574.5	19692.8	21956.8	24220.5	25546.6	24220.5
20015.2	55°	19066.8	18118.3	17739.9	17361.5	19719.1	22076.5	24775.4	27474.4	29051.5	27474.4
22238.9	57.5°	21722.4	21205.8	20446.8	19688.0	22068.6	24449.1	27506.0	30562.8	32518.5	30562.8
23582.9	60°	24385.1	25187.5	24245.0	23302.5	25555.3	27808.1	31081.1	34354.1	36467.8	34354.1
22900.4	62.5°	25092.5	27284.5	27178.3	27071.9	29135.5	31199.4	34313.4	37427.2	39380.9	37427.2
21534.5	65°	23591.9	25649.2	26056.3	26463.1	29085.7	31708.5	34728.1	37747.4	39410.8	37747.4
19704.4	67.5°	21661.1	23617.8	23808.6	23999.3	26731.9	29464.3	32496.8	35529.3	36832.4	35529.3
17505.6	70°	19633.8	21762.3	21847.6	21933.1	24376.7	26820.2	29429.8	32039.3	32763.6	32039.3
14885.4	72.5°	17327.7	19770.1	19831.5	19892.7	21804.5	23716.4	25670.9	27625.2	27698.5	27625.2
11570.8	75°	14098.5	16626.3	16853.2	17080.2	18567.6	20055.1	21430.9	22806.8	22438.2	22806.8
8267.1	77.5°	10626.7	12986.5	13311.3	13636.1	14766.8	15897.6	16873.4	17849.3	17215.7	17849.3
5410.8	80°	7396.0	9381.0	9784.6	10188.3	11042.3	11896.0	12408.4	12920.7	11901.5	12920.7
3145.2	82.5°	4502.4	5859.7	6310.6	6761.7	7349.5	7937.3	8151.1	8364.7	7563.7	8364.7
1383.8	85°	2104.1	2824.4	3208.0	3591.6	4074.6	4557.4	4678.7	4800.1	4158.5	4800.1
428.4	87.5°	670.5	912.6	1126.6	1340.6	1582.1	1823.6	1833.9	1844.1	1548.2	1844.1
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):**

325°		330°	335°	340°	345°	350°	355°	360°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5731.6	2.5°	5722.6	5704.7	5686.8	5656.7	5626.6	5605.3	5584.1
6403.3	5°	6379.2	6339.3	6299.5	6225.9	6152.6	6078.5	6004.6
7049.5	7.5°	7014.2	6949.0	6883.9	6775.7	6667.5	6547.3	6427.0
7476.9	10°	7442.6	7366.1	7289.2	7162.2	7035.3	6893.0	6750.8
7616.7	12.5°	7598.0	7542.2	7486.4	7372.1	7257.3	7103.3	6949.0
7463.7	15°	7483.6	7481.6	7479.7	7407.5	7335.6	7202.7	7069.6
7084.3	17.5°	7158.3	7239.0	7319.7	7318.5	7317.1	7227.2	7137.3
6599.5	20°	6729.3	6907.4	7085.5	7180.2	7274.8	7243.3	7212.1
6138.3	22.5°	6300.5	6562.5	6824.5	7020.6	7216.6	7257.7	7298.7
5748.9	25°	5919.5	6237.7	6555.9	6853.6	7151.3	7280.8	7410.3
5436.9	27.5°	5604.7	5957.3	6310.0	6704.2	7098.5	7330.2	7561.7
5214.3	30°	5369.9	5737.4	6104.8	6590.2	7075.6	7420.7	7766.0
5150.6	32.5°	5272.7	5618.0	5963.3	6512.5	7061.6	7534.3	8007.1
5490.5	35°	5519.0	5758.7	5998.6	6570.7	7142.9	7721.4	8300.0
6490.9	37.5°	6360.6	6376.2	6391.7	6911.8	7431.8	8112.5	8793.1
8147.2	40°	7830.3	7557.4	7284.4	7671.1	8057.9	8798.1	9538.4
10379.2	42.5°	9803.0	9207.6	8612.2	8835.0	9057.8	9792.2	10526.7
13085.5	45°	12138.6	11184.6	10230.8	10329.2	10427.4	11087.4	11747.1
16087.7	47.5°	14701.5	13325.8	11949.8	11969.7	11989.6	12631.6	13273.4
19071.7	50°	17242.0	15468.6	13695.2	13691.8	13688.5	14481.1	15273.9
21956.8	52.5°	19692.8	17574.5	15456.3	15553.5	15650.5	16610.3	17570.4
24775.4	55°	22076.5	19719.1	17361.5	17739.9	18118.3	19066.8	20015.2
27506.0	57.5°	24449.1	22068.6	19688.0	20446.8	21205.8	21722.4	22238.9
31081.1	60°	27808.1	25555.3	23302.5	24245.0	25187.5	24385.1	23582.9
34313.4	62.5°	31199.4	29135.5	27071.9	27178.3	27284.5	25092.5	22900.4
34728.1	65°	31708.5	29085.7	26463.1	26056.3	25649.2	23591.9	21534.5
32496.8	67.5°	29464.3	26731.9	23999.3	23808.6	23617.8	21661.1	19704.4
29429.8	70°	26820.2	24376.7	21933.1	21847.6	21762.3	19633.8	17505.6
25670.9	72.5°	23716.4	21804.5	19892.7	19831.5	19770.1	17327.7	14885.4
21430.9	75°	20055.1	18567.6	17080.2	16853.2	16626.3	14098.5	11570.8
16873.4	77.5°	15897.6	14766.8	13636.1	13311.3	12986.5	10626.7	8267.1
12408.4	80°	11896.0	11042.3	10188.3	9784.6	9381.0	7396.0	5410.8
8151.1	82.5°	7937.3	7349.5	6761.7	6310.6	5859.7	4502.4	3145.2
4678.7	85°	4557.4	4074.6	3591.6	3208.0	2824.4	2104.1	1383.8
1833.9	87.5°	1823.6	1582.1	1340.6	1126.6	912.6	670.5	428.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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