

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: P954901

Luminaire Tested: **GALN-SB8A-735-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954901  
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-735-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

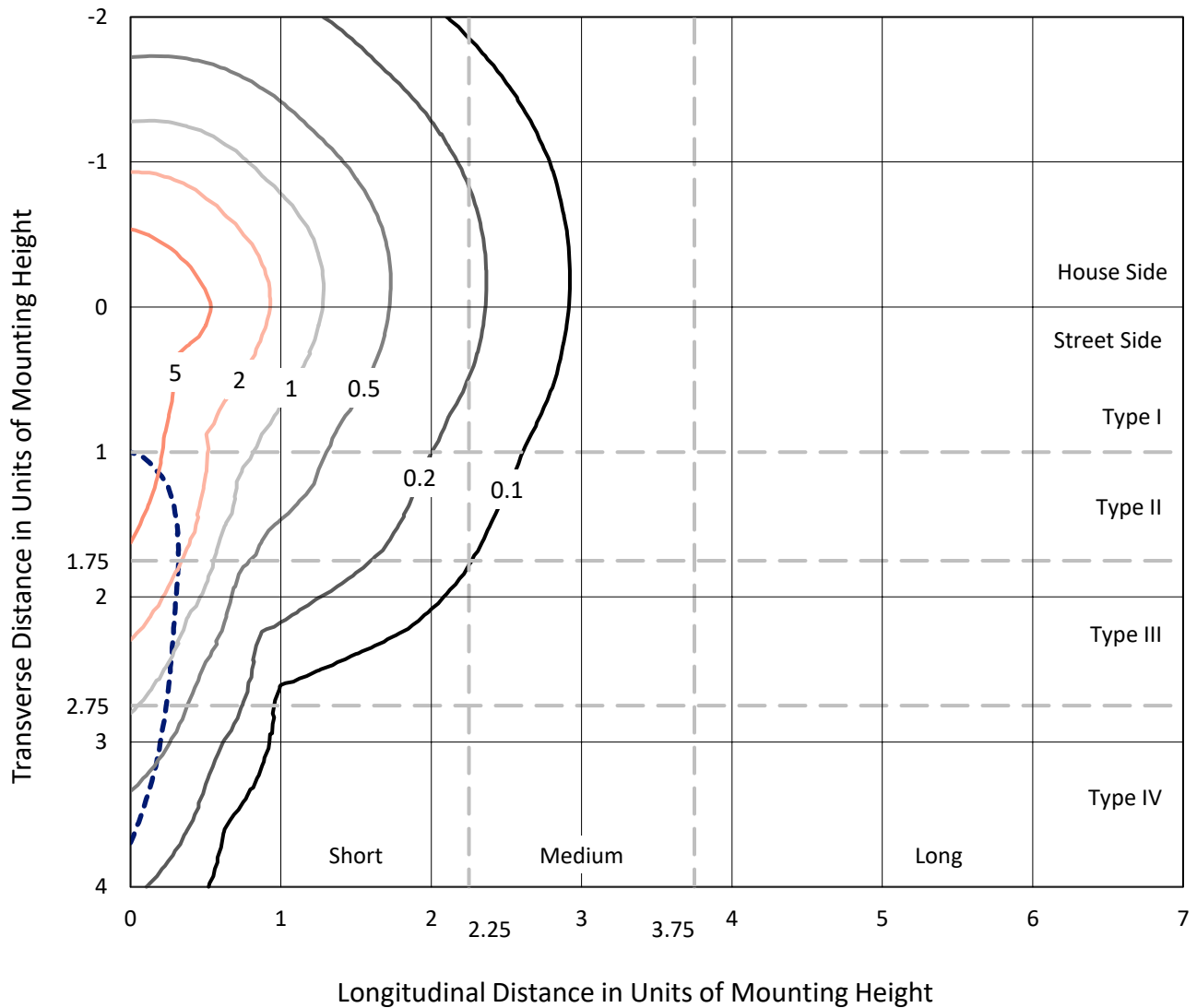
Lumens per Lamp: N/A  
Luminaire Lumens: 36143 lumens  
Efficiency: N/A  
Efficacy: 159.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

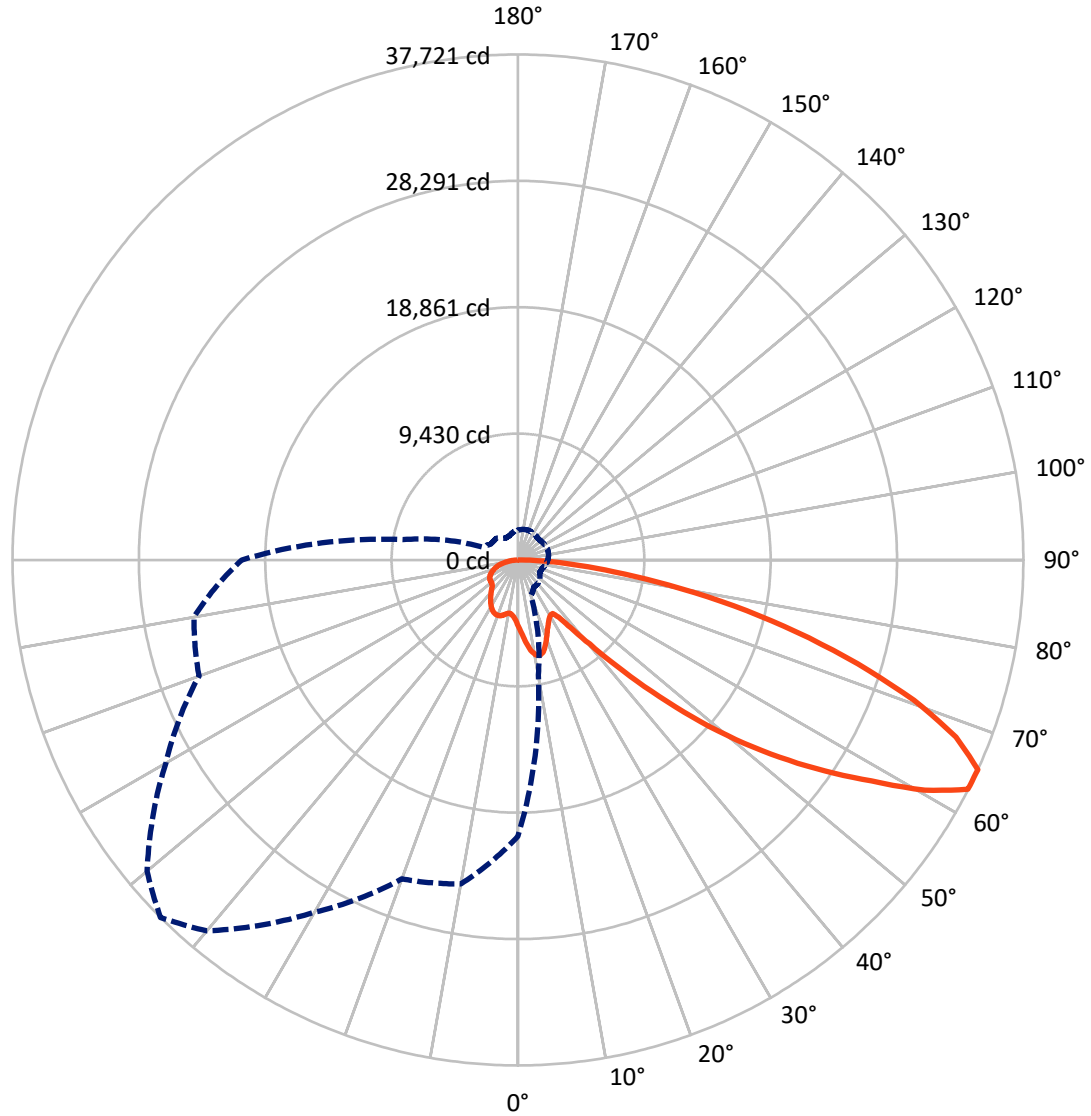
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9185.7	0.0	9185.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	26957.3	0.0	26957.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	36143.0	0.0	36143.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.0	1.4
10°-20°	1547.7	4.3
20°-30°	2390.6	6.6
30°-40°	3029.5	8.4
40°-50°	4569.3	12.6
50°-60°	7382.4	20.4
60°-70°	9203.3	25.5
70°-80°	6035.1	16.7
80°-90°	1492.0	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°	36143.0	100.0
0°-180°	36143.0	100.0



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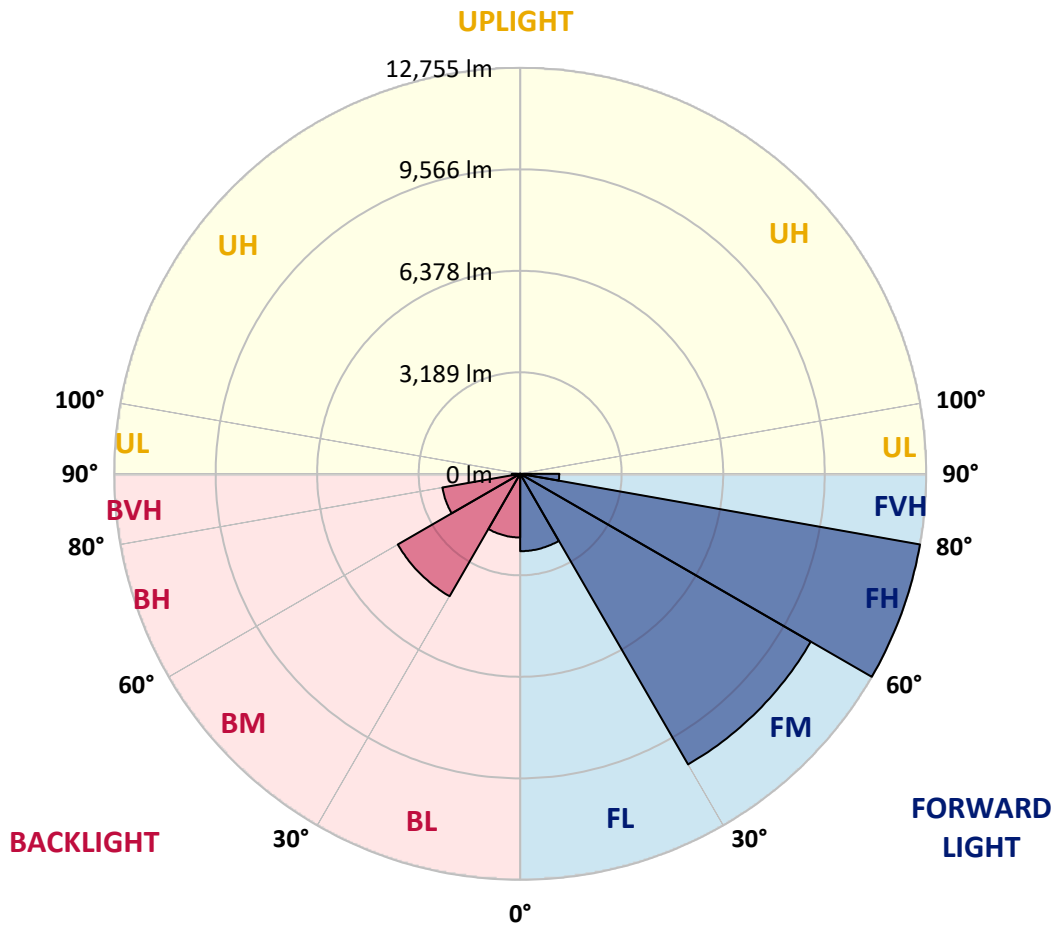
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2431.0	6.7			
FM (30°-60°)	10542.1	29.2			
FH (60°-80°)	12755.0	35.3			G5
FVH (80°-90°)	1229.1	3.4			G5
BL (0°-30°)	2000.3	5.5	B3/2500		
BM (30°-60°)	4439.1	12.3	B3/5000		
BH (60°-80°)	2483.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	262.9	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°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
2.5°	5344.7	5303.7	5262.7	5219.0	5175.6	5131.7	5087.8	5045.9	5003.9	4963.3
5°	5747.1	5656.5	5566.0	5475.6	5385.3	5294.4	5203.6	5118.7	5033.9	4953.8
7.5°	6151.4	6001.9	5852.6	5714.5	5576.4	5442.0	5307.5	5189.1	5070.7	4961.4
10°	6461.3	6272.4	6083.4	5900.8	5718.5	5555.3	5391.8	5251.8	5111.5	4976.6
12.5°	6651.1	6443.4	6235.9	6029.2	5822.5	5629.8	5437.2	5278.7	5120.3	4978.6
15°	6766.5	6550.0	6333.6	6109.3	5885.0	5663.2	5441.4	5258.0	5074.5	4917.5
17.5°	6831.3	6611.8	6392.3	6147.6	5902.9	5645.5	5388.0	5167.4	4946.7	4762.1
20°	6902.8	6674.8	6446.5	6177.6	5908.7	5596.7	5284.6	5011.2	4737.7	4522.8
22.5°	6985.8	6752.8	6519.5	6218.0	5916.3	5536.8	5157.3	4827.9	4498.5	4253.8
25°	7092.6	6864.1	6635.8	6291.2	5946.4	5477.7	5009.1	4623.3	4237.6	3986.8
27.5°	7237.5	7019.8	6801.8	6405.7	6009.4	5438.2	4867.0	4436.2	4005.3	3777.1
30°	7433.0	7222.5	7012.1	6553.8	6095.6	5419.7	4743.4	4279.8	3816.2	3624.5
32.5°	7663.8	7455.3	7247.1	6708.5	6169.9	5396.8	4623.3	4145.0	3666.5	3512.0
35°	7944.1	7744.7	7545.0	6884.7	6224.5	5353.7	4483.3	4012.4	3541.5	3412.8
37.5°	8416.2	8161.7	7907.3	7082.1	6256.9	5279.9	4302.9	3856.4	3409.9	3297.4
40°	9129.4	8758.7	8387.9	7332.7	6277.3	5178.2	4079.3	3670.3	3261.2	3159.2
42.5°	10075.4	9540.2	9005.1	7660.5	6316.0	5073.3	3831.0	3464.9	3098.7	3004.7
45°	11243.5	10521.6	9799.8	8091.9	6384.1	4975.9	3567.9	3246.7	2925.5	2830.2
47.5°	12704.3	11688.4	10672.3	8551.6	6430.8	4895.4	3360.0	3074.1	2788.2	2665.2
50°	14619.1	13087.5	11555.7	8978.0	6400.3	4807.7	3215.0	2959.5	2703.9	2542.2
52.5°	16817.0	14557.1	12297.2	9254.9	6212.5	4659.5	3106.7	2884.0	2661.4	2475.5
55°	19157.1	15860.1	12563.2	9193.9	5824.4	4413.9	3003.3	2829.2	2655.1	2482.1
57.5°	21285.4	16783.5	12281.5	8764.4	5247.5	4067.5	2887.4	2764.4	2641.4	2488.8
60°	22571.8	17014.2	11456.5	7965.1	4473.7	3617.8	2761.9	2665.2	2568.5	2467.8
62.5°	21918.6	16042.6	10166.5	6884.3	3602.2	3079.6	2557.1	2492.8	2428.7	2416.3
65°	20611.3	14667.7	8724.2	5781.6	2839.3	2595.4	2351.5	2321.2	2290.8	2292.4
67.5°	18859.6	13031.6	7203.6	4701.5	2199.3	2130.1	2060.7	2077.6	2094.4	2090.2
70°	16755.1	11246.3	5737.6	3701.7	1665.9	1685.7	1705.4	1783.9	1862.3	1862.3
72.5°	14247.2	9311.0	4375.0	2830.0	1285.0	1344.7	1404.6	1516.0	1627.2	1645.9
75°	11074.7	7092.4	3110.1	2054.0	997.8	1052.0	1106.1	1230.9	1355.6	1441.8
77.5°	7912.7	4964.1	2015.5	1391.8	768.2	805.0	842.0	963.1	1084.2	1226.3
80°	5178.8	3198.3	1217.7	896.7	576.0	591.2	606.5	709.1	811.5	981.2
82.5°	3010.4	1851.1	691.9	551.5	411.6	414.2	417.3	492.8	568.3	713.3
85°	1324.5	832.7	341.0	294.8	248.9	247.5	246.0	301.3	356.6	464.4
87.5°	410.0	272.7	135.4	122.2	109.1	107.8	106.4	128.9	151.6	196.4
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°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
4918.1	2.5°	4881.5	4845.1	4812.1	4779.3	4750.5	4721.7	4692.7	4663.9	4641.6	4619.1
4874.6	5°	4805.6	4736.4	4678.4	4620.6	4569.5	4518.4	4472.0	4425.5	4389.8	4354.0
4859.0	7.5°	4767.1	4675.3	4599.0	4522.8	4458.5	4394.0	4337.2	4280.5	4238.0	4195.7
4866.6	10°	4769.7	4672.8	4596.6	4520.3	4451.0	4381.6	4317.7	4253.8	4203.1	4152.2
4876.1	12.5°	4796.8	4717.9	4667.1	4616.8	4562.2	4508.1	4441.9	4375.9	4311.1	4246.2
4835.5	15°	4797.6	4759.8	4766.7	4773.5	4759.4	4745.3	4687.9	4630.5	4538.2	4445.9
4711.6	17.5°	4725.5	4739.2	4822.4	4905.5	4949.8	4993.8	4947.5	4901.3	4779.1	4656.8
4509.4	20°	4574.2	4639.1	4783.5	4928.0	5020.5	5113.0	5091.6	5070.1	4930.3	4790.7
4280.0	22.5°	4375.9	4471.8	4636.6	4801.8	4922.1	5042.4	5055.4	5068.2	4934.7	4801.2
4057.4	25°	4168.0	4278.6	4426.8	4575.2	4693.6	4812.1	4856.3	4900.4	4790.9	4681.6
3862.9	27.5°	3969.7	4076.5	4198.4	4320.0	4415.0	4510.0	4559.2	4608.6	4530.6	4452.8
3691.8	30°	3776.5	3861.6	3962.6	4063.7	4142.5	4221.4	4261.5	4301.5	4242.2	4182.7
3541.9	32.5°	3592.1	3642.2	3722.9	3803.8	3879.3	3955.0	3999.4	4044.1	3989.5	3934.8
3400.4	35°	3414.1	3428.1	3489.7	3551.1	3625.8	3700.8	3754.2	3807.6	3768.7	3730.0
3252.0	37.5°	3236.8	3221.5	3265.8	3309.8	3384.4	3459.1	3525.1	3591.1	3573.2	3555.3
3089.5	40°	3055.0	3020.5	3052.4	3084.2	3156.3	3228.4	3304.3	3380.4	3384.8	3389.0
2917.0	42.5°	2871.2	2825.4	2851.3	2877.5	2945.7	3014.2	3096.2	3178.2	3200.2	3222.1
2745.3	45°	2700.7	2656.2	2678.0	2700.1	2765.0	2829.8	2914.9	2999.9	3031.4	3062.8
2592.2	47.5°	2554.8	2517.4	2538.0	2558.4	2621.9	2685.2	2769.1	2853.1	2889.3	2925.5
2457.3	50°	2424.1	2391.2	2423.2	2455.4	2515.3	2575.0	2650.1	2725.3	2771.8	2818.4
2356.8	52.5°	2324.0	2291.4	2339.7	2387.7	2442.6	2497.4	2567.4	2637.6	2692.7	2747.8
2303.4	55°	2251.6	2199.9	2268.3	2336.6	2395.7	2454.9	2516.3	2577.5	2635.8	2694.4
2271.4	57.5°	2195.9	2120.3	2194.0	2267.6	2337.0	2406.4	2467.1	2527.9	2586.8	2645.6
2241.3	60°	2143.4	2045.4	2110.0	2174.5	2254.2	2333.9	2395.5	2457.3	2516.5	2575.6
2206.2	62.5°	2083.7	1961.5	2002.5	2043.5	2136.4	2229.4	2295.2	2361.0	2415.2	2469.3
2132.2	65°	2002.1	1871.8	1887.7	1903.3	2002.9	2102.6	2165.5	2228.5	2276.2	2323.8
2000.2	67.5°	1891.9	1783.5	1778.6	1773.6	1865.6	1957.7	2017.4	2076.9	2118.1	2159.2
1832.7	70°	1755.7	1678.7	1661.5	1644.3	1725.2	1806.0	1857.5	1909.0	1946.2	1983.4
1646.2	72.5°	1593.4	1540.6	1515.4	1490.4	1554.1	1617.6	1664.2	1710.7	1747.1	1783.5
1434.5	75°	1393.9	1353.1	1329.1	1304.9	1352.2	1399.5	1441.6	1483.7	1516.9	1550.1
1222.5	77.5°	1189.9	1157.2	1132.8	1108.4	1146.9	1185.3	1221.5	1257.8	1292.7	1327.4
980.6	80°	953.4	925.9	905.5	884.9	916.9	948.8	979.3	1009.8	1036.3	1062.7
721.3	82.5°	707.9	694.6	680.1	665.6	662.9	660.2	649.6	638.9	695.3	751.8
474.9	85°	460.6	446.3	430.1	413.8	400.1	386.2	356.6	327.1	379.9	432.9
209.8	87.5°	204.1	198.3	195.3	192.2	191.7	191.1	168.6	145.9	168.0	190.3
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
4600.9	2.5°	4582.8	4568.7	4554.6	4541.6	4528.5	4512.3	4528.5	4541.6	4554.6	4568.7
4329.0	5°	4304.0	4286.3	4268.5	4255.0	4241.5	4228.1	4241.5	4255.0	4268.5	4286.3
4165.9	7.5°	4136.2	4115.8	4095.6	4083.4	4071.3	4062.2	4071.3	4083.4	4095.6	4115.8
4119.0	10°	4085.4	4066.2	4046.9	4036.6	4026.3	4022.1	4026.3	4036.6	4046.9	4066.2
4203.3	12.5°	4160.4	4138.8	4117.5	4108.7	4099.9	4098.4	4099.9	4108.7	4117.5	4138.8
4380.7	15°	4315.4	4285.5	4255.8	4244.3	4232.9	4231.9	4232.9	4244.3	4255.8	4285.5
4560.7	17.5°	4464.6	4420.3	4375.9	4361.4	4346.7	4344.4	4346.7	4361.4	4375.9	4420.3
4672.8	20°	4555.2	4498.5	4441.7	4423.6	4405.5	4399.7	4405.5	4423.6	4441.7	4498.5
4679.9	22.5°	4558.4	4498.7	4438.8	4418.8	4398.8	4390.2	4398.8	4418.8	4438.8	4498.7
4573.7	25°	4466.1	4414.2	4362.6	4343.7	4325.0	4313.9	4325.0	4343.7	4362.6	4414.2
4369.0	27.5°	4285.3	4250.6	4215.7	4207.1	4198.5	4195.7	4198.5	4207.1	4215.7	4250.6
4122.8	30°	4062.6	4044.8	4026.9	4026.9	4026.9	4029.8	4026.9	4026.9	4026.9	4044.8
3886.9	32.5°	3839.0	3827.4	3815.8	3817.3	3819.0	3821.9	3819.0	3817.3	3815.8	3827.4
3685.7	35°	3641.7	3623.9	3606.4	3602.6	3598.7	3596.8	3598.7	3602.6	3606.4	3623.9
3514.6	37.5°	3473.8	3441.6	3409.6	3392.6	3375.6	3366.1	3375.6	3392.6	3409.6	3441.6
3354.4	40°	3319.9	3273.0	3226.5	3194.8	3163.5	3144.9	3163.5	3194.8	3226.5	3273.0
3192.9	42.5°	3163.9	3105.8	3047.6	3001.6	2955.7	2925.5	2955.7	3001.6	3047.6	3105.8
3036.5	45°	3010.4	2943.8	2877.5	2823.5	2769.5	2734.8	2769.5	2823.5	2877.5	2943.8
2907.2	47.5°	2888.9	2829.8	2770.7	2720.7	2670.9	2637.6	2670.9	2720.7	2770.7	2829.8
2817.2	50°	2816.4	2769.1	2721.9	2675.7	2629.5	2597.5	2629.5	2675.7	2721.9	2769.1
2757.7	52.5°	2767.6	2729.1	2690.6	2649.2	2608.0	2578.4	2608.0	2649.2	2690.6	2729.1
2708.1	55°	2721.9	2688.3	2654.7	2618.5	2582.3	2555.6	2582.3	2618.5	2654.7	2688.3
2659.5	57.5°	2673.4	2639.5	2605.5	2569.7	2533.6	2506.0	2533.6	2569.7	2605.5	2639.5
2590.8	60°	2606.1	2572.9	2539.9	2502.9	2465.9	2437.3	2465.9	2502.9	2539.9	2572.9
2484.0	62.5°	2498.7	2468.8	2438.8	2399.9	2361.0	2326.7	2361.0	2399.9	2438.8	2468.8
2338.9	65°	2353.8	2325.0	2296.2	2258.4	2220.8	2191.3	2220.8	2258.4	2296.2	2325.0
2173.9	67.5°	2188.4	2161.9	2135.6	2100.5	2065.4	2038.7	2065.4	2100.5	2135.6	2161.9
1997.5	70°	2011.6	1990.1	1968.5	1935.0	1901.4	1870.9	1901.4	1935.0	1968.5	1990.1
1800.3	72.5°	1817.1	1799.2	1781.3	1749.2	1717.4	1687.8	1717.4	1749.2	1781.3	1799.2
1567.7	75°	1585.2	1576.4	1567.7	1540.8	1513.9	1485.7	1513.9	1540.8	1567.7	1576.4
1343.8	77.5°	1360.2	1348.0	1335.4	1308.3	1281.2	1258.7	1281.2	1308.3	1335.4	1348.0
1084.4	80°	1106.1	1100.8	1095.6	1059.2	1022.6	980.3	1022.6	1059.2	1095.6	1100.8
788.8	82.5°	825.8	823.5	821.0	790.3	759.4	732.3	759.4	790.3	821.0	823.5
478.7	85°	524.5	520.6	516.8	492.8	468.8	444.4	468.8	492.8	516.8	520.6
208.8	87.5°	227.3	222.8	217.8	205.6	193.0	181.2	193.0	205.6	217.8	222.8
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°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
4582.8	2.5°	4600.9	4619.1	4641.6	4663.9	4692.7	4721.7	4750.5	4779.3	4812.1	4845.1
4304.0	5°	4329.0	4354.0	4389.8	4425.5	4472.0	4518.4	4569.5	4620.6	4678.4	4736.4
4136.2	7.5°	4165.9	4195.7	4238.0	4280.5	4337.2	4394.0	4458.5	4522.8	4599.0	4675.3
4085.4	10°	4119.0	4152.2	4203.1	4253.8	4317.7	4381.6	4451.0	4520.3	4596.6	4672.8
4160.4	12.5°	4203.3	4246.2	4311.1	4375.9	4441.9	4508.1	4562.2	4616.8	4667.1	4717.9
4315.4	15°	4380.7	4445.9	4538.2	4630.5	4687.9	4745.3	4759.4	4773.5	4766.7	4759.8
4464.6	17.5°	4560.7	4656.8	4779.1	4901.3	4947.5	4993.8	4949.8	4905.5	4822.4	4739.2
4555.2	20°	4672.8	4790.7	4930.3	5070.1	5091.6	5113.0	5020.5	4928.0	4783.5	4639.1
4558.4	22.5°	4679.9	4801.2	4934.7	5068.2	5055.4	5042.4	4922.1	4801.8	4636.6	4471.8
4466.1	25°	4573.7	4681.6	4790.9	4900.4	4856.3	4812.1	4693.6	4575.2	4426.8	4278.6
4285.3	27.5°	4369.0	4452.8	4530.6	4608.6	4559.2	4510.0	4415.0	4320.0	4198.4	4076.5
4062.6	30°	4122.8	4182.7	4242.2	4301.5	4261.5	4221.4	4142.5	4063.7	3962.6	3861.6
3839.0	32.5°	3886.9	3934.8	3989.5	4044.1	3999.4	3955.0	3879.3	3803.8	3722.9	3642.2
3641.7	35°	3685.7	3730.0	3768.7	3807.6	3754.2	3700.8	3625.8	3551.1	3489.7	3428.1
3473.8	37.5°	3514.6	3555.3	3573.2	3591.1	3525.1	3459.1	3384.4	3309.8	3265.8	3221.5
3319.9	40°	3354.4	3389.0	3384.8	3380.4	3304.3	3228.4	3156.3	3084.2	3052.4	3020.5
3163.9	42.5°	3192.9	3222.1	3200.2	3178.2	3096.2	3014.2	2945.7	2877.5	2851.3	2825.4
3010.4	45°	3036.5	3062.8	3031.4	2999.9	2914.9	2829.8	2765.0	2700.1	2678.0	2656.2
2888.9	47.5°	2907.2	2925.5	2889.3	2853.1	2769.1	2685.2	2621.9	2558.4	2538.0	2517.4
2816.4	50°	2817.2	2818.4	2771.8	2725.3	2650.1	2575.0	2515.3	2455.4	2423.2	2391.2
2767.6	52.5°	2757.7	2747.8	2692.7	2637.6	2567.4	2497.4	2442.6	2387.7	2339.7	2291.4
2721.9	55°	2708.1	2694.4	2635.8	2577.5	2516.3	2454.9	2395.7	2336.6	2268.3	2199.9
2673.4	57.5°	2659.5	2645.6	2586.8	2527.9	2467.1	2406.4	2337.0	2267.6	2194.0	2120.3
2606.1	60°	2590.8	2575.6	2516.5	2457.3	2395.5	2333.9	2254.2	2174.5	2110.0	2045.4
2498.7	62.5°	2484.0	2469.3	2415.2	2361.0	2295.2	2229.4	2136.4	2043.5	2002.5	1961.5
2353.8	65°	2338.9	2323.8	2276.2	2228.5	2165.5	2102.6	2002.9	1903.3	1887.7	1871.8
2188.4	67.5°	2173.9	2159.2	2118.1	2076.9	2017.4	1957.7	1865.6	1773.6	1778.6	1783.5
2011.6	70°	1997.5	1983.4	1946.2	1909.0	1857.5	1806.0	1725.2	1644.3	1661.5	1678.7
1817.1	72.5°	1800.3	1783.5	1747.1	1710.7	1664.2	1617.6	1554.1	1490.4	1515.4	1540.6
1585.2	75°	1567.7	1550.1	1516.9	1483.7	1441.6	1399.5	1352.2	1304.9	1329.1	1353.1
1360.2	77.5°	1343.8	1327.4	1292.7	1257.8	1221.5	1185.3	1146.9	1108.4	1132.8	1157.2
1106.1	80°	1084.4	1062.7	1036.3	1009.8	979.3	948.8	916.9	884.9	905.5	925.9
825.8	82.5°	788.8	751.8	695.3	638.9	649.6	660.2	662.9	665.6	680.1	694.6
524.5	85°	478.7	432.9	379.9	327.1	356.6	386.2	400.1	413.8	430.1	446.3
227.3	87.5°	208.8	190.3	168.0	145.9	168.6	191.1	191.7	192.2	195.3	198.3
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
4881.5	2.5°	4918.1	4963.3	5003.9	5045.9	5087.8	5131.7	5175.6	5219.0	5262.7	5303.7
4805.6	5°	4874.6	4953.8	5033.9	5118.7	5203.6	5294.4	5385.3	5475.6	5566.0	5656.5
4767.1	7.5°	4859.0	4961.4	5070.7	5189.1	5307.5	5442.0	5576.4	5714.5	5852.6	6001.9
4769.7	10°	4866.6	4976.6	5111.5	5251.8	5391.8	5555.3	5718.5	5900.8	6083.4	6272.4
4796.8	12.5°	4876.1	4978.6	5120.3	5278.7	5437.2	5629.8	5822.5	6029.2	6235.9	6443.4
4797.6	15°	4835.5	4917.5	5074.5	5258.0	5441.4	5663.2	5885.0	6109.3	6333.6	6550.0
4725.5	17.5°	4711.6	4762.1	4946.7	5167.4	5388.0	5645.5	5902.9	6147.6	6392.3	6611.8
4574.2	20°	4509.4	4522.8	4737.7	5011.2	5284.6	5596.7	5908.7	6177.6	6446.5	6674.8
4375.9	22.5°	4280.0	4253.8	4498.5	4827.9	5157.3	5536.8	5916.3	6218.0	6519.5	6752.8
4168.0	25°	4057.4	3986.8	4237.6	4623.3	5009.1	5477.7	5946.4	6291.2	6635.8	6864.1
3969.7	27.5°	3862.9	3777.1	4005.3	4436.2	4867.0	5438.2	6009.4	6405.7	6801.8	7019.8
3776.5	30°	3691.8	3624.5	3816.2	4279.8	4743.4	5419.7	6095.6	6553.8	7012.1	7222.5
3592.1	32.5°	3541.9	3512.0	3666.5	4145.0	4623.3	5396.8	6169.9	6708.5	7247.1	7455.3
3414.1	35°	3400.4	3412.8	3541.5	4012.4	4483.3	5353.7	6224.5	6884.7	7545.0	7744.7
3236.8	37.5°	3252.0	3297.4	3409.9	3856.4	4302.9	5279.9	6256.9	7082.1	7907.3	8161.7
3055.0	40°	3089.5	3159.2	3261.2	3670.3	4079.3	5178.2	6277.3	7332.7	8387.9	8758.7
2871.2	42.5°	2917.0	3004.7	3098.7	3464.9	3831.0	5073.3	6316.0	7660.5	9005.1	9540.2
2700.7	45°	2745.3	2830.2	2925.5	3246.7	3567.9	4975.9	6384.1	8091.9	9799.8	10521.6
2554.8	47.5°	2592.2	2665.2	2788.2	3074.1	3360.0	4895.4	6430.8	8551.6	10672.3	11688.4
2424.1	50°	2457.3	2542.2	2703.9	2959.5	3215.0	4807.7	6400.3	8978.0	11555.7	13087.5
2324.0	52.5°	2356.8	2475.5	2661.4	2884.0	3106.7	4659.5	6212.5	9254.9	12297.2	14557.1
2251.6	55°	2303.4	2482.1	2655.1	2829.2	3003.3	4413.9	5824.4	9193.9	12563.2	15860.1
2195.9	57.5°	2271.4	2488.8	2641.4	2764.4	2887.4	4067.5	5247.5	8764.4	12281.5	16783.5
2143.4	60°	2241.3	2467.8	2568.5	2665.2	2761.9	3617.8	4473.7	7965.1	11456.5	17014.2
2083.7	62.5°	2206.2	2416.3	2428.7	2492.8	2557.1	3079.6	3602.2	6884.3	10166.5	16042.6
2002.1	65°	2132.2	2292.4	2290.8	2321.2	2351.5	2595.4	2839.3	5781.6	8724.2	14667.7
1891.9	67.5°	2000.2	2090.2	2094.4	2077.6	2060.7	2130.1	2199.3	4701.5	7203.6	13031.6
1755.7	70°	1832.7	1862.3	1862.3	1783.9	1705.4	1685.7	1665.9	3701.7	5737.6	11246.3
1593.4	72.5°	1646.2	1645.9	1627.2	1516.0	1404.6	1344.7	1285.0	2830.0	4375.0	9311.0
1393.9	75°	1434.5	1441.8	1355.6	1230.9	1106.1	1052.0	997.8	2054.0	3110.1	7092.4
1189.9	77.5°	1222.5	1226.3	1084.2	963.1	842.0	805.0	768.2	1391.8	2015.5	4964.1
953.4	80°	980.6	981.2	811.5	709.1	606.5	591.2	576.0	896.7	1217.7	3198.3
707.9	82.5°	721.3	713.3	568.3	492.8	417.3	414.2	411.6	551.5	691.9	1851.1
460.6	85°	474.9	464.4	356.6	301.3	246.0	247.5	248.9	294.8	341.0	832.7
204.1	87.5°	209.8	196.4	151.6	128.9	106.4	107.8	109.1	122.2	135.4	272.7
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
5344.7	2.5°	5364.9	5385.3	5414.1	5442.9	5460.1	5477.3	5485.9	5494.4	5490.6	5494.4
5747.1	5°	5817.9	5888.8	5959.0	6029.4	6067.5	6105.7	6128.7	6152.0	6169.6	6152.0
6151.4	7.5°	6266.6	6381.6	6485.2	6588.7	6651.1	6713.5	6747.2	6780.8	6797.0	6780.8
6461.3	10°	6597.5	6733.7	6855.2	6976.7	7050.3	7123.5	7156.3	7188.9	7201.3	7188.9
6651.1	12.5°	6798.7	6946.1	7056.0	7165.5	7218.9	7272.3	7290.2	7308.1	7310.0	7308.1
6766.5	15°	6893.9	7021.1	7089.9	7159.0	7160.9	7162.8	7143.7	7124.6	7102.1	7124.6
6831.3	17.5°	6917.3	7003.4	7004.7	7005.8	6928.6	6851.4	6780.6	6709.7	6659.7	6709.7
6902.8	20°	6932.8	6962.9	6872.3	6781.7	6611.2	6440.8	6316.6	6192.4	6116.2	6192.4
6985.8	22.5°	6946.5	6907.2	6719.6	6531.9	6281.1	6030.3	5875.1	5719.9	5635.6	5719.9
7092.6	25°	6968.6	6844.7	6559.8	6274.8	5970.3	5665.7	5502.4	5339.6	5259.9	5339.6
7237.5	27.5°	7015.9	6794.1	6416.7	6039.5	5701.9	5364.4	5203.8	5043.4	4968.1	5043.4
7433.0	30°	7102.5	6772.2	6307.6	5843.1	5491.4	5139.7	4990.8	4841.8	4771.6	4841.8
7663.8	32.5°	7211.2	6758.9	6233.3	5707.7	5377.1	5046.6	4929.7	4812.6	4762.1	4812.6
7944.1	35°	7390.3	6836.7	6288.9	5741.4	5511.8	5282.4	5255.1	5227.8	5223.6	5227.8
8416.2	37.5°	7764.7	7113.2	6615.4	6117.7	6102.8	6087.9	6212.7	6337.4	6402.2	6337.4
9129.4	40°	8420.9	7712.4	7342.2	6972.1	7233.4	7494.6	7797.9	8101.1	8252.1	8101.1
10075.4	42.5°	9372.4	8669.4	8456.2	8243.0	8812.8	9382.7	9934.2	10485.8	10809.6	10485.8
11243.5	45°	10612.0	9980.4	9886.4	9792.1	10705.1	11618.2	12524.5	13430.9	13981.2	13430.9
12704.3	47.5°	12090.0	11475.6	11456.5	11437.4	12754.5	14071.2	15398.0	16724.6	17503.6	16724.6
14619.1	50°	13860.2	13101.6	13104.8	13108.1	14805.4	16502.8	18254.1	20005.4	21064.2	20005.4
16817.0	52.5°	15898.2	14979.5	14886.7	14793.6	16821.1	18848.5	21015.4	23182.1	24451.3	23182.1
19157.1	55°	18249.3	17341.5	16979.3	16617.2	18873.7	21130.0	23713.2	26296.4	27805.9	26296.4
21285.4	57.5°	20791.1	20296.6	19570.2	18843.9	21122.4	23400.8	26326.7	29252.5	31124.3	29252.5
22571.8	60°	23339.6	24107.6	23205.5	22303.5	24459.7	26615.9	29748.5	32881.2	34904.2	32881.2
21918.6	62.5°	24016.6	26114.7	26013.0	25911.2	27886.4	29861.8	32842.3	35822.5	37692.5	35822.5
20611.3	65°	22580.4	24549.5	24939.1	25328.6	27838.7	30349.1	33239.1	36129.0	37721.1	36129.0
18859.6	67.5°	20732.4	22605.2	22787.9	22970.4	25585.8	28201.1	31103.5	34006.0	35253.2	34006.0
16755.1	70°	18792.1	20829.3	20910.9	20992.7	23331.6	25670.3	28168.1	30665.7	31358.9	30665.7
14247.2	72.5°	16584.8	18922.5	18981.3	19039.8	20869.7	22699.6	24570.3	26440.8	26511.0	26440.8
11074.7	75°	13494.1	15913.5	16130.7	16347.9	17771.6	19195.2	20512.1	21829.0	21476.2	21829.0
7912.7	77.5°	10171.1	12429.7	12740.6	13051.4	14133.7	15216.0	16149.9	17084.0	16477.6	17084.0
5178.8	80°	7078.9	8978.8	9365.1	9751.5	10568.9	11385.9	11876.4	12366.8	11391.3	12366.8
3010.4	82.5°	4309.3	5608.5	6040.1	6471.8	7034.4	7597.0	7801.7	8006.1	7239.5	8006.1
1324.5	85°	2013.9	2703.4	3070.5	3437.6	3899.9	4362.0	4478.1	4594.3	3980.2	4594.3
410.0	87.5°	641.7	873.5	1078.3	1283.1	1514.3	1745.4	1755.3	1765.0	1481.8	1765.0
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°
4970.0	0°	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0	4970.0
5485.9	2.5°	5477.3	5460.1	5442.9	5414.1	5385.3	5364.9	5344.7
6128.7	5°	6105.7	6067.5	6029.4	5959.0	5888.8	5817.9	5747.1
6747.2	7.5°	6713.5	6651.1	6588.7	6485.2	6381.6	6266.6	6151.4
7156.3	10°	7123.5	7050.3	6976.7	6855.2	6733.7	6597.5	6461.3
7290.2	12.5°	7272.3	7218.9	7165.5	7056.0	6946.1	6798.7	6651.1
7143.7	15°	7162.8	7160.9	7159.0	7089.9	7021.1	6893.9	6766.5
6780.6	17.5°	6851.4	6928.6	7005.8	7004.7	7003.4	6917.3	6831.3
6316.6	20°	6440.8	6611.2	6781.7	6872.3	6962.9	6932.8	6902.8
5875.1	22.5°	6030.3	6281.1	6531.9	6719.6	6907.2	6946.5	6985.8
5502.4	25°	5665.7	5970.3	6274.8	6559.8	6844.7	6968.6	7092.6
5203.8	27.5°	5364.4	5701.9	6039.5	6416.7	6794.1	7015.9	7237.5
4990.8	30°	5139.7	5491.4	5843.1	6307.6	6772.2	7102.5	7433.0
4929.7	32.5°	5046.6	5377.1	5707.7	6233.3	6758.9	7211.2	7663.8
5255.1	35°	5282.4	5511.8	5741.4	6288.9	6836.7	7390.3	7944.1
6212.7	37.5°	6087.9	6102.8	6117.7	6615.4	7113.2	7764.7	8416.2
7797.9	40°	7494.6	7233.4	6972.1	7342.2	7712.4	8420.9	9129.4
9934.2	42.5°	9382.7	8812.8	8243.0	8456.2	8669.4	9372.4	10075.4
12524.5	45°	11618.2	10705.1	9792.1	9886.4	9980.4	10612.0	11243.5
15398.0	47.5°	14071.2	12754.5	11437.4	11456.5	11475.6	12090.0	12704.3
18254.1	50°	16502.8	14805.4	13108.1	13104.8	13101.6	13860.2	14619.1
21015.4	52.5°	18848.5	16821.1	14793.6	14886.7	14979.5	15898.2	16817.0
23713.2	55°	21130.0	18873.7	16617.2	16979.3	17341.5	18249.3	19157.1
26326.7	57.5°	23400.8	21122.4	18843.9	19570.2	20296.6	20791.1	21285.4
29748.5	60°	26615.9	24459.7	22303.5	23205.5	24107.6	23339.6	22571.8
32842.3	62.5°	29861.8	27886.4	25911.2	26013.0	26114.7	24016.6	21918.6
33239.1	65°	30349.1	27838.7	25328.6	24939.1	24549.5	22580.4	20611.3
31103.5	67.5°	28201.1	25585.8	22970.4	22787.9	22605.2	20732.4	18859.6
28168.1	70°	25670.3	23331.6	20992.7	20910.9	20829.3	18792.1	16755.1
24570.3	72.5°	22699.6	20869.7	19039.8	18981.3	18922.5	16584.8	14247.2
20512.1	75°	19195.2	17771.6	16347.9	16130.7	15913.5	13494.1	11074.7
16149.9	77.5°	15216.0	14133.7	13051.4	12740.6	12429.7	10171.1	7912.7
11876.4	80°	11385.9	10568.9	9751.5	9365.1	8978.8	7078.9	5178.8
7801.7	82.5°	7597.0	7034.4	6471.8	6040.1	5608.5	4309.3	3010.4
4478.1	85°	4362.0	3899.9	3437.6	3070.5	2703.4	2013.9	1324.5
1755.3	87.5°	1745.4	1514.3	1283.1	1078.3	873.5	641.7	410.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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