

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: P955804

Luminaire Tested: **GALN-SB8C-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955804
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-SB8C-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36729 lumens
Efficiency: N/A
Efficacy: 91.9 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

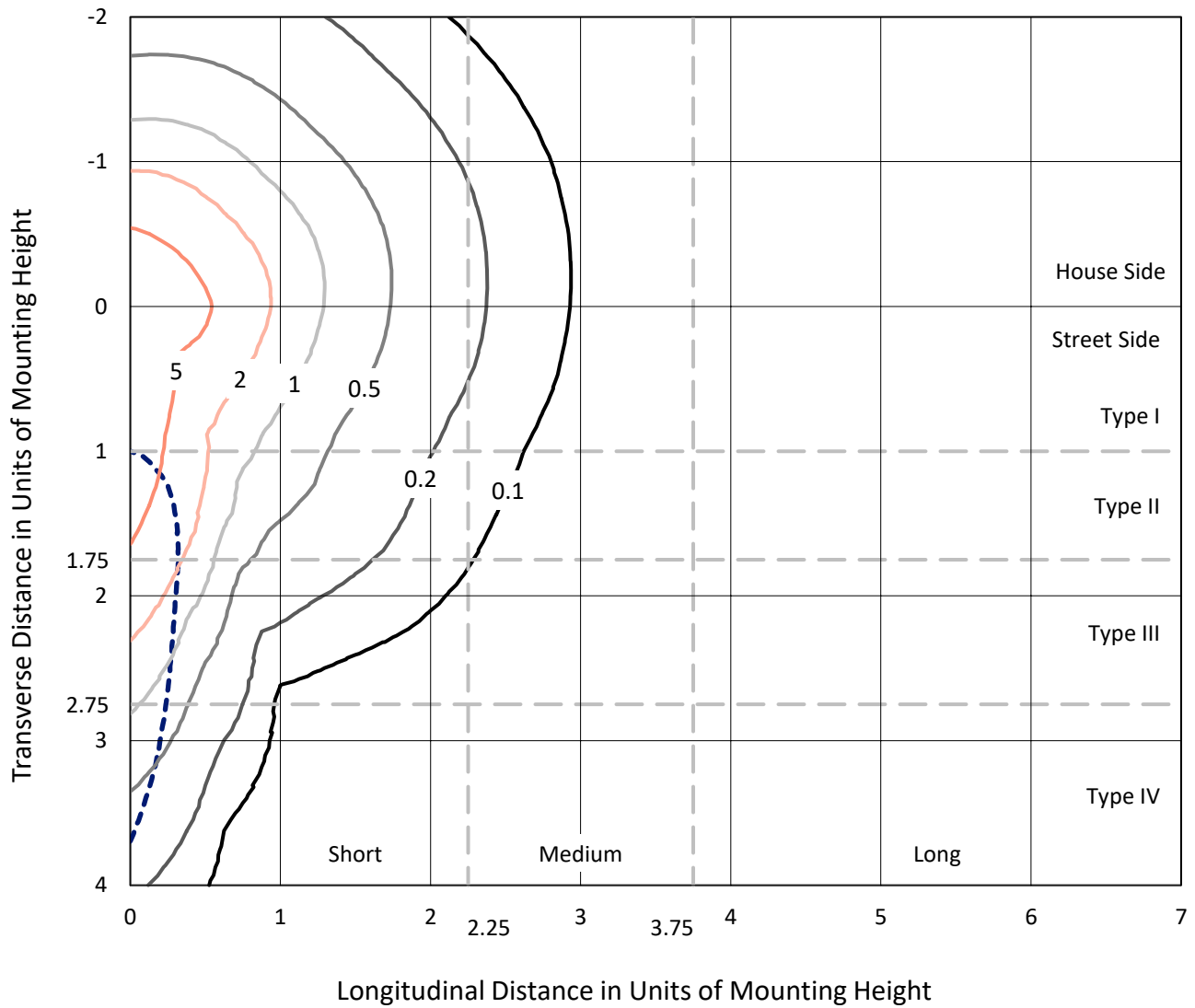
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

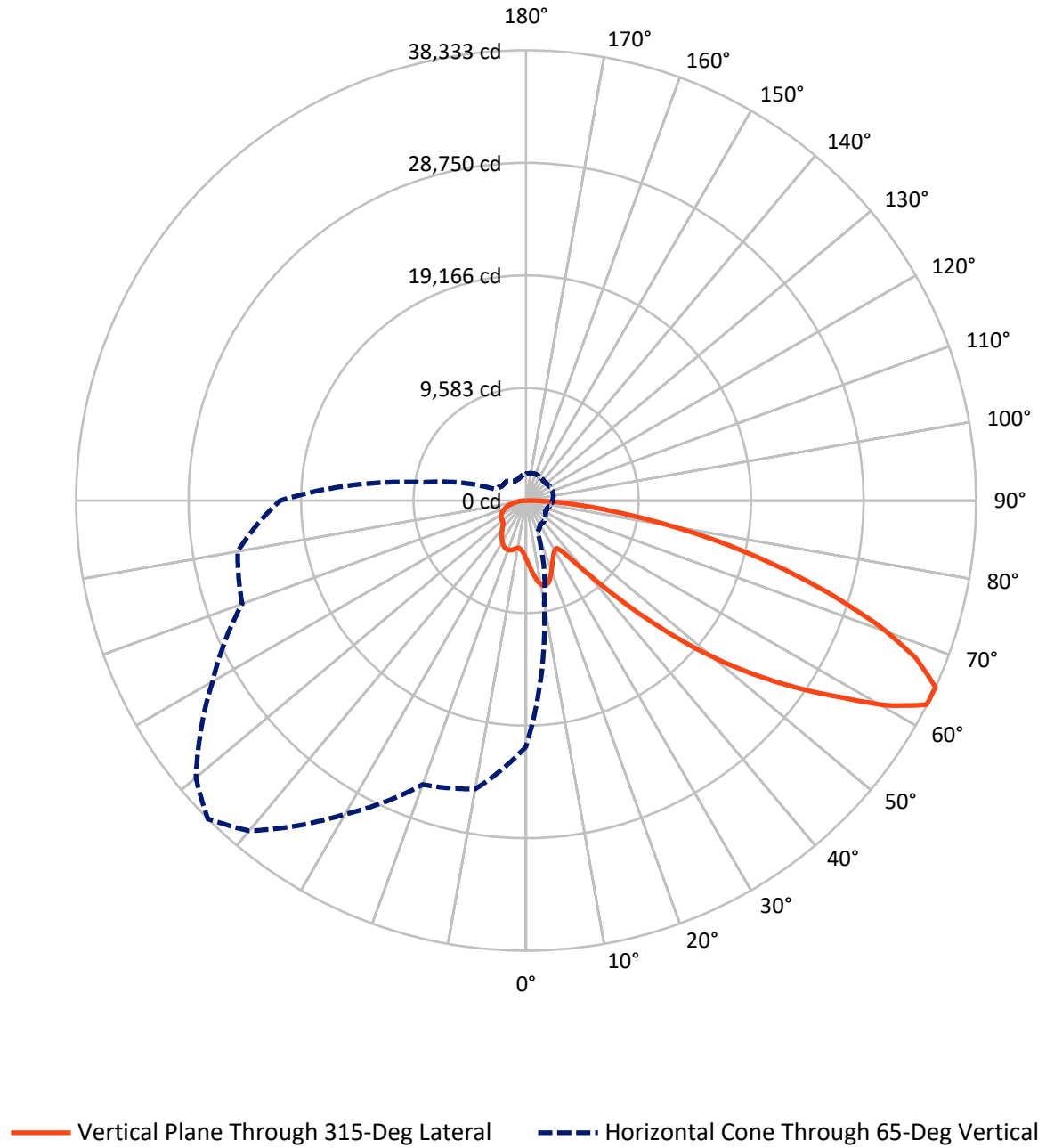
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9334.7	0.0	9334.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	27394.3	0.0	27394.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	36729.0	0.0	36729.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.0	1.4
10°-20°	1572.8	4.3
20°-30°	2429.4	6.6
30°-40°	3078.7	8.4
40°-50°	4643.4	12.6
50°-60°	7502.1	20.4
60°-70°	9352.5	25.5
70°-80°	6132.9	16.7
80°-90°	1516.2	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°	36729.0	100.0
0°-180°	36729.0	100.0



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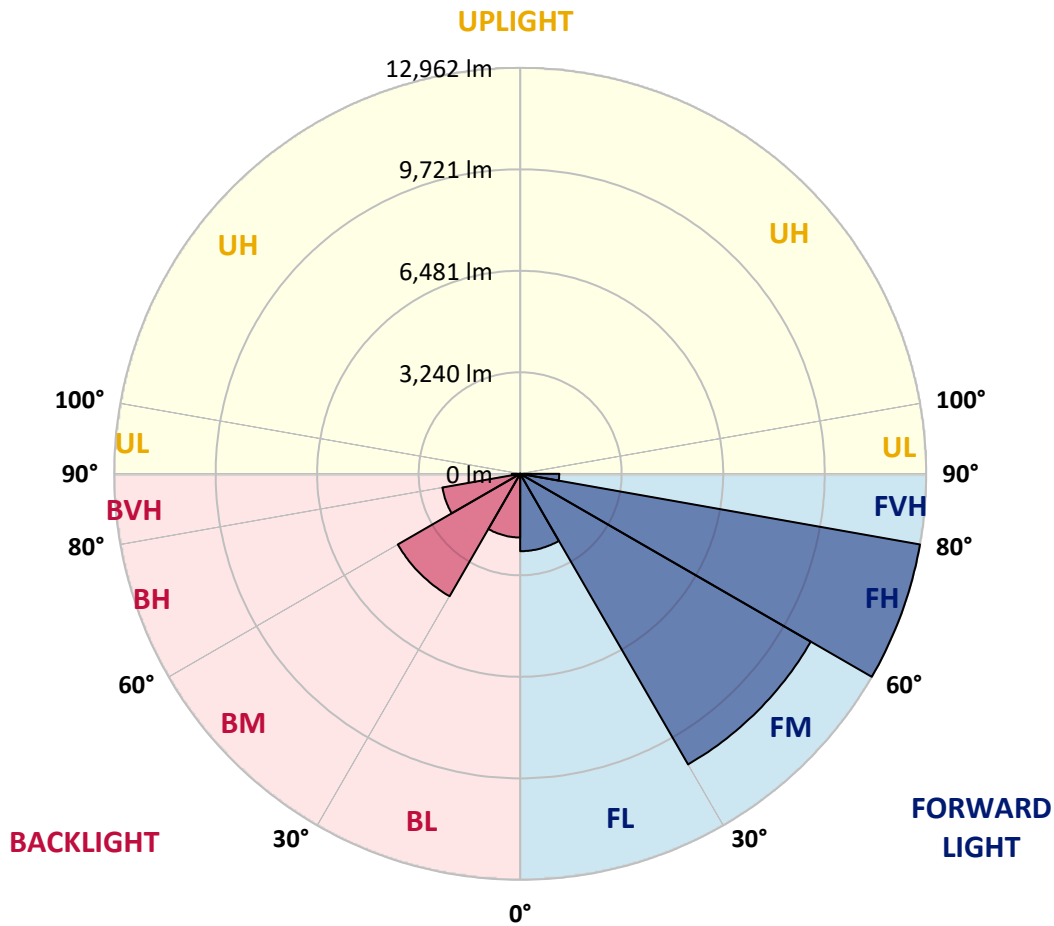
CATALOG NUMBER: GALN-SB8C-927-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2470.4	6.7			
FM (30°-60°)	10713.0	29.2			
FH (60°-80°)	12961.8	35.3			G5
FVH (80°-90°)	1249.0	3.4			G5
BL (0°-30°)	2032.7	5.5	B3/2500		
BM (30°-60°)	4511.1	12.3	B3/5000		
BH (60°-80°)	2523.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	267.2	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°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
2.5°	5431.4	5389.7	5348.0	5303.7	5259.5	5214.9	5170.3	5127.7	5085.1	5043.8
5°	5840.3	5748.3	5656.2	5564.3	5472.7	5380.2	5288.0	5201.7	5115.5	5034.1
7.5°	6251.2	6099.2	5947.5	5807.2	5666.9	5530.2	5393.6	5273.2	5152.9	5041.8
10°	6566.1	6374.0	6182.0	5996.5	5811.2	5645.3	5479.3	5337.0	5194.4	5057.3
12.5°	6758.9	6547.9	6337.0	6126.9	5916.9	5721.1	5525.4	5364.3	5203.3	5059.3
15°	6876.2	6656.2	6436.3	6208.3	5980.4	5755.0	5529.6	5343.2	5156.8	4997.3
17.5°	6942.1	6719.0	6496.0	6247.3	5998.6	5737.0	5475.4	5251.1	5026.9	4839.3
20°	7014.8	6783.0	6551.0	6277.7	6004.5	5687.4	5370.3	5092.4	4814.5	4596.1
22.5°	7099.1	6862.2	6625.2	6318.8	6012.2	5626.5	5240.9	4906.2	4571.5	4322.8
25°	7207.6	6975.4	6743.4	6393.2	6042.8	5566.5	5090.3	4698.2	4306.3	4051.5
27.5°	7354.9	7133.6	6912.0	6509.5	6106.8	5526.3	4945.9	4508.1	4070.3	3838.3
30°	7553.5	7339.6	7125.8	6660.1	6194.4	5507.5	4820.3	4349.2	3878.0	3683.3
32.5°	7788.0	7576.2	7364.6	6817.3	6270.0	5484.3	4698.2	4212.2	3725.9	3568.9
35°	8072.9	7870.2	7667.3	6996.4	6325.4	5440.5	4556.0	4077.5	3599.0	3468.1
37.5°	8552.6	8294.1	8035.5	7196.9	6358.3	5365.5	4372.6	3918.9	3465.2	3350.9
40°	9277.4	8900.7	8523.9	7451.6	6379.1	5262.2	4145.5	3729.8	3314.1	3210.4
42.5°	10238.7	9694.9	9151.1	7784.8	6418.4	5155.6	3893.2	3521.0	3148.9	3053.4
45°	11425.8	10692.2	9958.7	8223.1	6487.6	5056.6	3625.7	3299.3	2973.0	2876.1
47.5°	12910.3	11877.9	10845.3	8690.2	6535.1	4974.8	3414.5	3123.9	2833.4	2708.4
50°	14856.1	13299.7	11743.0	9123.6	6504.1	4885.6	3267.2	3007.5	2747.8	2583.4
52.5°	17089.7	14793.1	12496.5	9405.0	6313.2	4735.0	3157.1	2930.7	2704.5	2515.6
55°	19467.7	16117.2	12766.9	9342.9	5918.8	4485.4	3052.0	2875.1	2698.2	2522.4
57.5°	21630.6	17055.6	12480.6	8906.5	5332.5	4133.5	2934.2	2809.2	2684.2	2529.2
60°	22937.8	17290.1	11642.2	8094.3	4546.3	3676.5	2806.7	2708.4	2610.2	2507.8
62.5°	22274.0	16302.7	10331.3	6996.0	3660.6	3129.6	2598.5	2533.2	2468.1	2455.5
65°	20945.5	14905.5	8865.6	5875.4	2885.4	2637.5	2389.6	2358.8	2328.0	2329.5
67.5°	19165.4	13242.9	7320.4	4777.7	2235.0	2164.6	2094.1	2111.3	2128.4	2124.1
70°	17026.7	11428.7	5830.6	3761.8	1692.9	1713.0	1733.0	1812.9	1892.5	1892.5
72.5°	14478.2	9461.9	4445.9	2875.9	1305.9	1366.5	1427.4	1540.6	1653.5	1672.5
75°	11254.2	7207.4	3160.6	2087.3	1014.0	1069.0	1124.1	1250.8	1377.6	1465.2
77.5°	8041.0	5044.5	2048.1	1414.4	780.6	818.1	855.6	978.7	1101.8	1246.2
80°	5262.8	3250.1	1237.4	911.3	585.3	600.8	616.3	720.6	824.6	997.1
82.5°	3059.2	1881.1	703.1	560.5	418.2	420.9	424.0	500.8	577.5	724.8
85°	1346.0	846.2	346.5	299.6	252.9	251.6	250.0	306.2	362.4	471.9
87.5°	416.7	277.1	137.6	124.2	110.9	109.5	108.1	131.0	154.1	199.6
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°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
4997.8	2.5°	4960.6	4923.6	4890.1	4856.7	4827.5	4798.2	4768.8	4739.5	4716.8	4694.0
4953.7	5°	4883.5	4813.1	4754.2	4695.5	4643.6	4591.6	4544.5	4497.2	4461.0	4424.6
4937.8	7.5°	4844.3	4751.1	4673.6	4596.1	4530.8	4465.3	4407.5	4349.9	4306.7	4263.7
4945.5	10°	4847.1	4748.6	4671.1	4593.6	4523.2	4452.7	4387.7	4322.8	4271.3	4219.5
4955.2	12.5°	4874.6	4794.3	4742.8	4691.6	4636.2	4581.2	4513.9	4446.9	4381.0	4315.1
4913.9	15°	4875.4	4837.0	4844.0	4850.9	4836.6	4822.3	4763.9	4705.6	4611.8	4518.0
4787.9	17.5°	4802.1	4816.0	4900.5	4985.0	5030.0	5074.8	5027.7	4980.8	4856.6	4732.3
4582.5	20°	4648.4	4714.3	4861.0	5007.9	5101.9	5195.9	5174.2	5152.3	5010.2	4868.4
4349.4	22.5°	4446.9	4544.3	4711.8	4879.6	5001.9	5124.2	5137.4	5150.4	5014.7	4879.0
4123.2	25°	4235.6	4348.0	4498.6	4649.4	4769.7	4890.1	4935.0	4979.8	4868.6	4757.5
3925.5	27.5°	4034.0	4142.6	4266.4	4390.1	4486.6	4583.1	4633.1	4683.3	4604.0	4525.0
3751.7	30°	3837.7	3924.2	4026.9	4129.6	4209.6	4289.9	4330.6	4371.3	4311.0	4250.5
3599.3	32.5°	3650.3	3701.3	3783.3	3865.4	3942.2	4019.1	4064.3	4109.6	4054.2	3998.6
3455.5	35°	3469.5	3483.6	3546.2	3608.6	3684.6	3760.8	3815.0	3869.3	3829.8	3790.4
3304.8	37.5°	3289.3	3273.8	3318.7	3363.5	3439.3	3515.2	3582.3	3649.3	3631.1	3612.9
3139.6	40°	3104.6	3069.5	3101.8	3134.2	3207.5	3280.7	3357.9	3435.2	3439.6	3443.9
2964.2	42.5°	2917.7	2871.2	2897.6	2924.1	2993.5	3063.1	3146.4	3229.8	3252.0	3274.3
2789.8	45°	2744.5	2699.3	2721.4	2743.9	2809.8	2875.7	2962.1	3048.5	3080.5	3112.5
2634.2	47.5°	2596.2	2558.2	2579.2	2599.9	2664.4	2728.8	2814.0	2899.3	2936.1	2973.0
2497.2	50°	2463.5	2429.9	2462.5	2495.2	2556.1	2616.8	2693.1	2769.5	2816.8	2864.0
2395.0	52.5°	2361.7	2328.6	2377.6	2426.4	2482.3	2537.9	2609.0	2680.3	2736.3	2792.3
2340.8	55°	2288.1	2235.5	2305.1	2374.5	2434.6	2494.7	2557.1	2619.3	2678.6	2738.1
2308.2	57.5°	2231.5	2154.7	2229.5	2304.3	2374.9	2445.4	2507.1	2568.9	2628.8	2688.5
2277.6	60°	2178.2	2078.6	2144.3	2209.8	2290.8	2371.8	2434.4	2497.2	2557.3	2617.3
2241.9	62.5°	2117.5	1993.3	2035.0	2076.6	2171.0	2265.6	2332.4	2399.3	2454.3	2509.4
2166.7	65°	2034.6	1902.2	1918.3	1934.2	2035.3	2136.7	2200.7	2264.6	2313.1	2361.5
2032.6	67.5°	1922.5	1812.5	1807.4	1802.4	1895.8	1989.4	2050.1	2110.5	2152.4	2194.3
1862.5	70°	1784.2	1705.9	1688.4	1671.0	1753.2	1835.3	1887.7	1940.0	1977.8	2015.6
1672.9	72.5°	1619.2	1565.6	1540.0	1514.6	1579.3	1643.9	1691.1	1738.4	1775.4	1812.5
1457.8	75°	1416.5	1375.0	1350.6	1326.0	1374.1	1422.1	1465.0	1507.8	1541.5	1575.2
1242.3	77.5°	1209.1	1176.0	1151.2	1126.4	1165.5	1204.5	1241.3	1278.1	1313.6	1348.9
996.5	80°	968.8	940.9	920.2	899.3	931.8	964.2	995.2	1026.2	1053.1	1079.9
733.0	82.5°	719.4	705.8	691.1	676.4	673.7	671.0	660.1	649.2	706.6	764.0
482.6	85°	468.0	453.5	437.0	420.6	406.6	392.5	362.4	332.4	386.1	439.9
213.2	87.5°	207.4	201.6	198.5	195.4	194.8	194.2	171.3	148.3	170.7	193.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
4675.5	2.5°	4657.1	4642.8	4628.4	4615.3	4601.9	4585.4	4601.9	4615.3	4628.4	4642.8
4399.2	5°	4373.8	4355.8	4337.7	4324.0	4310.2	4296.7	4310.2	4324.0	4337.7	4355.8
4233.5	7.5°	4203.2	4182.5	4162.0	4149.6	4137.3	4128.0	4137.3	4149.6	4162.0	4182.5
4185.8	10°	4151.7	4132.1	4112.5	4102.1	4091.6	4087.3	4091.6	4102.1	4112.5	4132.1
4271.5	12.5°	4227.9	4206.0	4184.2	4175.3	4166.4	4164.9	4166.4	4175.3	4184.2	4206.0
4451.7	15°	4385.4	4355.0	4324.8	4313.1	4301.5	4300.5	4301.5	4313.1	4324.8	4355.0
4634.6	17.5°	4537.0	4492.0	4446.9	4432.1	4417.2	4414.9	4417.2	4432.1	4446.9	4492.0
4748.6	20°	4629.0	4571.5	4513.7	4495.3	4476.9	4471.1	4476.9	4495.3	4513.7	4571.5
4755.8	22.5°	4632.3	4571.7	4510.8	4490.5	4470.1	4461.4	4470.1	4490.5	4510.8	4571.7
4647.8	25°	4538.5	4485.8	4433.3	4414.1	4395.1	4383.9	4395.1	4414.1	4433.3	4485.8
4439.9	27.5°	4354.8	4319.5	4284.1	4275.3	4266.6	4263.7	4266.6	4275.3	4284.1	4319.5
4189.7	30°	4128.4	4110.4	4092.2	4092.2	4092.2	4095.1	4092.2	4092.2	4092.2	4110.4
3949.9	32.5°	3901.3	3889.5	3877.6	3879.2	3880.9	3883.8	3880.9	3879.2	3877.6	3889.5
3745.5	35°	3700.7	3682.7	3664.8	3661.0	3657.1	3655.2	3657.1	3661.0	3664.8	3682.7
3571.6	37.5°	3530.2	3497.4	3464.8	3447.6	3430.3	3420.7	3430.3	3447.6	3464.8	3497.4
3408.8	40°	3373.8	3326.1	3278.8	3246.6	3214.8	3195.8	3214.8	3246.6	3278.8	3326.1
3244.7	42.5°	3215.2	3156.1	3097.0	3050.3	3003.6	2973.0	3003.6	3050.3	3097.0	3156.1
3085.8	45°	3059.2	2991.6	2924.1	2869.3	2814.4	2779.2	2814.4	2869.3	2924.1	2991.6
2954.4	47.5°	2935.8	2875.7	2815.6	2764.8	2714.2	2680.3	2714.2	2764.8	2815.6	2875.7
2862.9	50°	2862.1	2814.0	2766.0	2719.1	2672.2	2639.6	2672.2	2719.1	2766.0	2814.0
2802.4	52.5°	2812.5	2773.3	2734.2	2692.1	2650.3	2620.2	2650.3	2692.1	2734.2	2773.3
2752.0	55°	2766.0	2731.9	2697.8	2660.9	2624.1	2597.0	2624.1	2660.9	2697.8	2731.9
2702.6	57.5°	2716.8	2682.3	2647.8	2611.3	2574.7	2546.6	2574.7	2611.3	2647.8	2682.3
2632.8	60°	2648.3	2614.6	2581.1	2543.5	2505.9	2476.8	2505.9	2543.5	2581.1	2614.6
2524.3	62.5°	2539.2	2508.8	2478.4	2438.8	2399.3	2364.4	2399.3	2438.8	2478.4	2508.8
2376.8	65°	2391.9	2362.7	2333.4	2295.0	2256.9	2226.8	2256.9	2295.0	2333.4	2362.7
2209.2	67.5°	2223.9	2197.0	2170.2	2134.6	2098.9	2071.8	2098.9	2134.6	2170.2	2197.0
2029.9	70°	2044.3	2022.4	2000.5	1966.3	1932.2	1901.2	1932.2	1966.3	2000.5	2022.4
1829.5	72.5°	1846.6	1828.4	1810.1	1777.6	1745.2	1715.2	1745.2	1777.6	1810.1	1828.4
1593.1	75°	1610.9	1602.0	1593.1	1565.7	1538.4	1509.7	1538.4	1565.7	1593.1	1602.0
1365.5	77.5°	1382.2	1369.8	1357.0	1329.5	1302.0	1279.1	1302.0	1329.5	1357.0	1369.8
1102.0	80°	1124.1	1118.6	1113.4	1076.4	1039.2	996.2	1039.2	1076.4	1113.4	1118.6
801.6	82.5°	839.2	836.8	834.3	803.1	771.7	744.2	771.7	803.1	834.3	836.8
486.5	85°	533.0	529.1	525.2	500.8	476.4	451.6	476.4	500.8	525.2	529.1
212.2	87.5°	231.0	226.4	221.3	208.9	196.1	184.1	196.1	208.9	221.3	226.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
4657.1	2.5°	4675.5	4694.0	4716.8	4739.5	4768.8	4798.2	4827.5	4856.7	4890.1	4923.6
4373.8	5°	4399.2	4424.6	4461.0	4497.2	4544.5	4591.6	4643.6	4695.5	4754.2	4813.1
4203.2	7.5°	4233.5	4263.7	4306.7	4349.9	4407.5	4465.3	4530.8	4596.1	4673.6	4751.1
4151.7	10°	4185.8	4219.5	4271.3	4322.8	4387.7	4452.7	4523.2	4593.6	4671.1	4748.6
4227.9	12.5°	4271.5	4315.1	4381.0	4446.9	4513.9	4581.2	4636.2	4691.6	4742.8	4794.3
4385.4	15°	4451.7	4518.0	4611.8	4705.6	4763.9	4822.3	4836.6	4850.9	4844.0	4837.0
4537.0	17.5°	4634.6	4732.3	4856.6	4980.8	5027.7	5074.8	5030.0	4985.0	4900.5	4816.0
4629.0	20°	4748.6	4868.4	5010.2	5152.3	5174.2	5195.9	5101.9	5007.9	4861.0	4714.3
4632.3	22.5°	4755.8	4879.0	5014.7	5150.4	5137.4	5124.2	5001.9	4879.6	4711.8	4544.3
4538.5	25°	4647.8	4757.5	4868.6	4979.8	4935.0	4890.1	4769.7	4649.4	4498.6	4348.0
4354.8	27.5°	4439.9	4525.0	4604.0	4683.3	4633.1	4583.1	4486.6	4390.1	4266.4	4142.6
4128.4	30°	4189.7	4250.5	4311.0	4371.3	4330.6	4289.9	4209.6	4129.6	4026.9	3924.2
3901.3	32.5°	3949.9	3998.6	4054.2	4109.6	4064.3	4019.1	3942.2	3865.4	3783.3	3701.3
3700.7	35°	3745.5	3790.4	3829.8	3869.3	3815.0	3760.8	3684.6	3608.6	3546.2	3483.6
3530.2	37.5°	3571.6	3612.9	3631.1	3649.3	3582.3	3515.2	3439.3	3363.5	3318.7	3273.8
3373.8	40°	3408.8	3443.9	3439.6	3435.2	3357.9	3280.7	3207.5	3134.2	3101.8	3069.5
3215.2	42.5°	3244.7	3274.3	3252.0	3229.8	3146.4	3063.1	2993.5	2924.1	2897.6	2871.2
3059.2	45°	3085.8	3112.5	3080.5	3048.5	2962.1	2875.7	2809.8	2743.9	2721.4	2699.3
2935.8	47.5°	2954.4	2973.0	2936.1	2899.3	2814.0	2728.8	2664.4	2599.9	2579.2	2558.2
2862.1	50°	2862.9	2864.0	2816.8	2769.5	2693.1	2616.8	2556.1	2495.2	2462.5	2429.9
2812.5	52.5°	2802.4	2792.3	2736.3	2680.3	2609.0	2537.9	2482.3	2426.4	2377.6	2328.6
2766.0	55°	2752.0	2738.1	2678.6	2619.3	2557.1	2494.7	2434.6	2374.5	2305.1	2235.5
2716.8	57.5°	2702.6	2688.5	2628.8	2568.9	2507.1	2445.4	2374.9	2304.3	2229.5	2154.7
2648.3	60°	2632.8	2617.3	2557.3	2497.2	2434.4	2371.8	2290.8	2209.8	2144.3	2078.6
2539.2	62.5°	2524.3	2509.4	2454.3	2399.3	2332.4	2265.6	2171.0	2076.6	2035.0	1993.3
2391.9	65°	2376.8	2361.5	2313.1	2264.6	2200.7	2136.7	2035.3	1934.2	1918.3	1902.2
2223.9	67.5°	2209.2	2194.3	2152.4	2110.5	2050.1	1989.4	1895.8	1802.4	1807.4	1812.5
2044.3	70°	2029.9	2015.6	1977.8	1940.0	1887.7	1835.3	1753.2	1671.0	1688.4	1705.9
1846.6	72.5°	1829.5	1812.5	1775.4	1738.4	1691.1	1643.9	1579.3	1514.6	1540.0	1565.6
1610.9	75°	1593.1	1575.2	1541.5	1507.8	1465.0	1422.1	1374.1	1326.0	1350.6	1375.0
1382.2	77.5°	1365.5	1348.9	1313.6	1278.1	1241.3	1204.5	1165.5	1126.4	1151.2	1176.0
1124.1	80°	1102.0	1079.9	1053.1	1026.2	995.2	964.2	931.8	899.3	920.2	940.9
839.2	82.5°	801.6	764.0	706.6	649.2	660.1	671.0	673.7	676.4	691.1	705.8
533.0	85°	486.5	439.9	386.1	332.4	362.4	392.5	406.6	420.6	437.0	453.5
231.0	87.5°	212.2	193.4	170.7	148.3	171.3	194.2	194.8	195.4	198.5	201.6
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°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
4960.6	2.5°	4997.8	5043.8	5085.1	5127.7	5170.3	5214.9	5259.5	5303.7	5348.0	5389.7
4883.5	5°	4953.7	5034.1	5115.5	5201.7	5288.0	5380.2	5472.7	5564.3	5656.2	5748.3
4844.3	7.5°	4937.8	5041.8	5152.9	5273.2	5393.6	5530.2	5666.9	5807.2	5947.5	6099.2
4847.1	10°	4945.5	5057.3	5194.4	5337.0	5479.3	5645.3	5811.2	5996.5	6182.0	6374.0
4874.6	12.5°	4955.2	5059.3	5203.3	5364.3	5525.4	5721.1	5916.9	6126.9	6337.0	6547.9
4875.4	15°	4913.9	4997.3	5156.8	5343.2	5529.6	5755.0	5980.4	6208.3	6436.3	6656.2
4802.1	17.5°	4787.9	4839.3	5026.9	5251.1	5475.4	5737.0	5998.6	6247.3	6496.0	6719.0
4648.4	20°	4582.5	4596.1	4814.5	5092.4	5370.3	5687.4	6004.5	6277.7	6551.0	6783.0
4446.9	22.5°	4349.4	4322.8	4571.5	4906.2	5240.9	5626.5	6012.2	6318.8	6625.2	6862.2
4235.6	25°	4123.2	4051.5	4306.3	4698.2	5090.3	5566.5	6042.8	6393.2	6743.4	6975.4
4034.0	27.5°	3925.5	3838.3	4070.3	4508.1	4945.9	5526.3	6106.8	6509.5	6912.0	7133.6
3837.7	30°	3751.7	3683.3	3878.0	4349.2	4820.3	5507.5	6194.4	6660.1	7125.8	7339.6
3650.3	32.5°	3599.3	3568.9	3725.9	4212.2	4698.2	5484.3	6270.0	6817.3	7364.6	7576.2
3469.5	35°	3455.5	3468.1	3599.0	4077.5	4556.0	5440.5	6325.4	6996.4	7667.3	7870.2
3289.3	37.5°	3304.8	3350.9	3465.2	3918.9	4372.6	5365.5	6358.3	7196.9	8035.5	8294.1
3104.6	40°	3139.6	3210.4	3314.1	3729.8	4145.5	5262.2	6379.1	7451.6	8523.9	8900.7
2917.7	42.5°	2964.2	3053.4	3148.9	3521.0	3893.2	5155.6	6418.4	7784.8	9151.1	9694.9
2744.5	45°	2789.8	2876.1	2973.0	3299.3	3625.7	5056.6	6487.6	8223.1	9958.7	10692.2
2596.2	47.5°	2634.2	2708.4	2833.4	3123.9	3414.5	4974.8	6535.1	8690.2	10845.3	11877.9
2463.5	50°	2497.2	2583.4	2747.8	3007.5	3267.2	4885.6	6504.1	9123.6	11743.0	13299.7
2361.7	52.5°	2395.0	2515.6	2704.5	2930.7	3157.1	4735.0	6313.2	9405.0	12496.5	14793.1
2288.1	55°	2340.8	2522.4	2698.2	2875.1	3052.0	4485.4	5918.8	9342.9	12766.9	16117.2
2231.5	57.5°	2308.2	2529.2	2684.2	2809.2	2934.2	4133.5	5332.5	8906.5	12480.6	17055.6
2178.2	60°	2277.6	2507.8	2610.2	2708.4	2806.7	3676.5	4546.3	8094.3	11642.2	17290.1
2117.5	62.5°	2241.9	2455.5	2468.1	2533.2	2598.5	3129.6	3660.6	6996.0	10331.3	16302.7
2034.6	65°	2166.7	2329.5	2328.0	2358.8	2389.6	2637.5	2885.4	5875.4	8865.6	14905.5
1922.5	67.5°	2032.6	2124.1	2128.4	2111.3	2094.1	2164.6	2235.0	4777.7	7320.4	13242.9
1784.2	70°	1862.5	1892.5	1892.5	1812.9	1733.0	1713.0	1692.9	3761.8	5830.6	11428.7
1619.2	72.5°	1672.9	1672.5	1653.5	1540.6	1427.4	1366.5	1305.9	2875.9	4445.9	9461.9
1416.5	75°	1457.8	1465.2	1377.6	1250.8	1124.1	1069.0	1014.0	2087.3	3160.6	7207.4
1209.1	77.5°	1242.3	1246.2	1101.8	978.7	855.6	818.1	780.6	1414.4	2048.1	5044.5
968.8	80°	996.5	997.1	824.6	720.6	616.3	600.8	585.3	911.3	1237.4	3250.1
719.4	82.5°	733.0	724.8	577.5	500.8	424.0	420.9	418.2	560.5	703.1	1881.1
468.0	85°	482.6	471.9	362.4	306.2	250.0	251.6	252.9	299.6	346.5	846.2
207.4	87.5°	213.2	199.6	154.1	131.0	108.1	109.5	110.9	124.2	137.6	277.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
5431.4	2.5°	5451.9	5472.7	5501.9	5531.2	5548.6	5566.1	5574.8	5583.5	5579.6	5583.5
5840.3	5°	5912.2	5984.3	6055.6	6127.1	6165.9	6204.7	6228.1	6251.8	6269.6	6251.8
6251.2	7.5°	6368.2	6485.1	6590.3	6695.6	6758.9	6822.3	6856.6	6890.7	6907.2	6890.7
6566.1	10°	6704.5	6842.9	6966.3	7089.8	7164.6	7239.0	7272.3	7305.5	7318.1	7305.5
6758.9	12.5°	6908.9	7058.8	7170.4	7281.6	7335.9	7390.2	7408.4	7426.6	7428.5	7426.6
6876.2	15°	7005.7	7134.9	7204.9	7275.0	7277.0	7278.9	7259.5	7240.2	7217.3	7240.2
6942.1	17.5°	7029.5	7116.9	7118.3	7119.4	7040.9	6962.4	6890.5	6818.4	6767.7	6818.4
7014.8	20°	7045.2	7075.8	6983.8	6891.7	6718.4	6545.2	6419.0	6292.8	6215.3	6292.8
7099.1	22.5°	7059.1	7019.2	6828.5	6637.8	6383.0	6128.1	5970.4	5812.6	5726.9	5812.6
7207.6	25°	7081.6	6955.7	6666.1	6376.6	6067.1	5757.6	5591.7	5426.1	5345.1	5426.1
7354.9	27.5°	7129.7	6904.3	6520.8	6137.4	5794.4	5451.3	5288.2	5125.2	5048.6	5125.2
7553.5	30°	7217.7	6882.0	6409.9	5937.8	5580.4	5223.0	5071.7	4920.3	4849.0	4920.3
7788.0	32.5°	7328.1	6868.4	6334.3	5800.2	5464.3	5128.5	5009.7	4890.7	4839.3	4890.7
8072.9	35°	7510.1	6947.5	6390.9	5834.5	5601.2	5368.0	5340.3	5312.6	5308.3	5312.6
8552.6	37.5°	7890.6	7228.5	6722.7	6216.9	6201.8	6186.6	6313.4	6440.1	6506.0	6440.1
9277.4	40°	8557.5	7837.5	7461.3	7085.1	7350.6	7616.1	7924.3	8232.4	8385.9	8232.4
10238.7	42.5°	9524.3	8810.0	8593.3	8376.6	8955.7	9534.8	10095.3	10655.8	10984.9	10655.8
11425.8	45°	10784.1	10142.2	10046.6	9950.9	10878.7	11806.6	12727.6	13648.7	14207.8	13648.7
12910.3	47.5°	12286.1	11661.6	11642.2	11622.9	12961.3	14299.3	15647.6	16995.7	17787.4	16995.7
14856.1	50°	14085.0	13314.0	13317.3	13320.6	15045.5	16770.3	18550.0	20329.7	21405.7	20329.7
17089.7	52.5°	16156.0	15222.4	15128.0	15033.4	17093.8	19154.1	21356.1	23557.9	24847.7	23557.9
19467.7	55°	18545.2	17622.7	17254.6	16886.6	19179.7	21472.6	24097.7	26722.8	28256.7	26722.8
21630.6	57.5°	21128.2	20625.7	19887.5	19149.5	21464.9	23780.2	26753.6	29726.8	31628.9	29726.8
22937.8	60°	23718.0	24498.5	23581.8	22665.1	24856.2	27047.4	30230.8	33414.3	35470.2	33414.3
22274.0	62.5°	24406.0	26538.1	26434.8	26331.3	28338.5	30346.0	33374.7	36403.3	38303.6	36403.3
20945.5	65°	22946.5	24947.5	25343.5	25739.2	28290.1	30841.1	33778.0	36714.8	38332.7	36714.8
19165.4	67.5°	21068.5	22971.7	23157.4	23342.8	26000.7	28658.3	31607.8	34557.3	35824.8	34557.3
17026.7	70°	19096.8	21167.0	21249.9	21333.1	23709.9	26086.5	28624.8	31162.8	31867.3	31162.8
14478.2	72.5°	16853.7	19229.3	19289.0	19348.5	21208.1	23067.6	24968.7	26869.5	26940.8	26869.5
11254.2	75°	13712.9	16171.5	16392.2	16612.9	18059.7	19506.5	20844.7	22182.9	21824.4	22182.9
8041.0	77.5°	10336.0	12631.2	12947.1	13263.0	14362.9	15462.7	16411.8	17361.0	16744.7	17361.0
5262.8	80°	7193.6	9124.3	9517.0	9909.6	10740.3	11570.5	12069.0	12567.3	11576.0	12567.3
3059.2	82.5°	4379.2	5699.4	6138.0	6576.8	7148.5	7720.2	7928.2	8135.9	7356.8	8135.9
1346.0	85°	2046.6	2747.2	3120.3	3493.3	3963.1	4432.7	4550.7	4668.8	4044.7	4668.8
416.7	87.5°	652.2	887.6	1095.8	1303.9	1538.8	1773.7	1783.8	1793.7	1505.9	1793.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
5050.6	0°	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6	5050.6
5574.8	2.5°	5566.1	5548.6	5531.2	5501.9	5472.7	5451.9	5431.4
6228.1	5°	6204.7	6165.9	6127.1	6055.6	5984.3	5912.2	5840.3
6856.6	7.5°	6822.3	6758.9	6695.6	6590.3	6485.1	6368.2	6251.2
7272.3	10°	7239.0	7164.6	7089.8	6966.3	6842.9	6704.5	6566.1
7408.4	12.5°	7390.2	7335.9	7281.6	7170.4	7058.8	6908.9	6758.9
7259.5	15°	7278.9	7277.0	7275.0	7204.9	7134.9	7005.7	6876.2
6890.5	17.5°	6962.4	7040.9	7119.4	7118.3	7116.9	7029.5	6942.1
6419.0	20°	6545.2	6718.4	6891.7	6983.8	7075.8	7045.2	7014.8
5970.4	22.5°	6128.1	6383.0	6637.8	6828.5	7019.2	7059.1	7099.1
5591.7	25°	5757.6	6067.1	6376.6	6666.1	6955.7	7081.6	7207.6
5288.2	27.5°	5451.3	5794.4	6137.4	6520.8	6904.3	7129.7	7354.9
5071.7	30°	5223.0	5580.4	5937.8	6409.9	6882.0	7217.7	7553.5
5009.7	32.5°	5128.5	5464.3	5800.2	6334.3	6868.4	7328.1	7788.0
5340.3	35°	5368.0	5601.2	5834.5	6390.9	6947.5	7510.1	8072.9
6313.4	37.5°	6186.6	6201.8	6216.9	6722.7	7228.5	7890.6	8552.6
7924.3	40°	7616.1	7350.6	7085.1	7461.3	7837.5	8557.5	9277.4
10095.3	42.5°	9534.8	8955.7	8376.6	8593.3	8810.0	9524.3	10238.7
12727.6	45°	11806.6	10878.7	9950.9	10046.6	10142.2	10784.1	11425.8
15647.6	47.5°	14299.3	12961.3	11622.9	11642.2	11661.6	12286.1	12910.3
18550.0	50°	16770.3	15045.5	13320.6	13317.3	13314.0	14085.0	14856.1
21356.1	52.5°	19154.1	17093.8	15033.4	15128.0	15222.4	16156.0	17089.7
24097.7	55°	21472.6	19179.7	16886.6	17254.6	17622.7	18545.2	19467.7
26753.6	57.5°	23780.2	21464.9	19149.5	19887.5	20625.7	21128.2	21630.6
30230.8	60°	27047.4	24856.2	22665.1	23581.8	24498.5	23718.0	22937.8
33374.7	62.5°	30346.0	28338.5	26331.3	26434.8	26538.1	24406.0	22274.0
33778.0	65°	30841.1	28290.1	25739.2	25343.5	24947.5	22946.5	20945.5
31607.8	67.5°	28658.3	26000.7	23342.8	23157.4	22971.7	21068.5	19165.4
28624.8	70°	26086.5	23709.9	21333.1	21249.9	21167.0	19096.8	17026.7
24968.7	72.5°	23067.6	21208.1	19348.5	19289.0	19229.3	16853.7	14478.2
20844.7	75°	19506.5	18059.7	16612.9	16392.2	16171.5	13712.9	11254.2
16411.8	77.5°	15462.7	14362.9	13263.0	12947.1	12631.2	10336.0	8041.0
12069.0	80°	11570.5	10740.3	9909.6	9517.0	9124.3	7193.6	5262.8
7928.2	82.5°	7720.2	7148.5	6576.8	6138.0	5699.4	4379.2	3059.2
4550.7	85°	4432.7	3963.1	3493.3	3120.3	2747.2	2046.6	1346.0
1783.8	87.5°	1773.7	1538.8	1303.9	1095.8	887.6	652.2	416.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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