

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: P953956

Luminaire Tested: **GALN-SB7B-835-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953956  
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-835-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

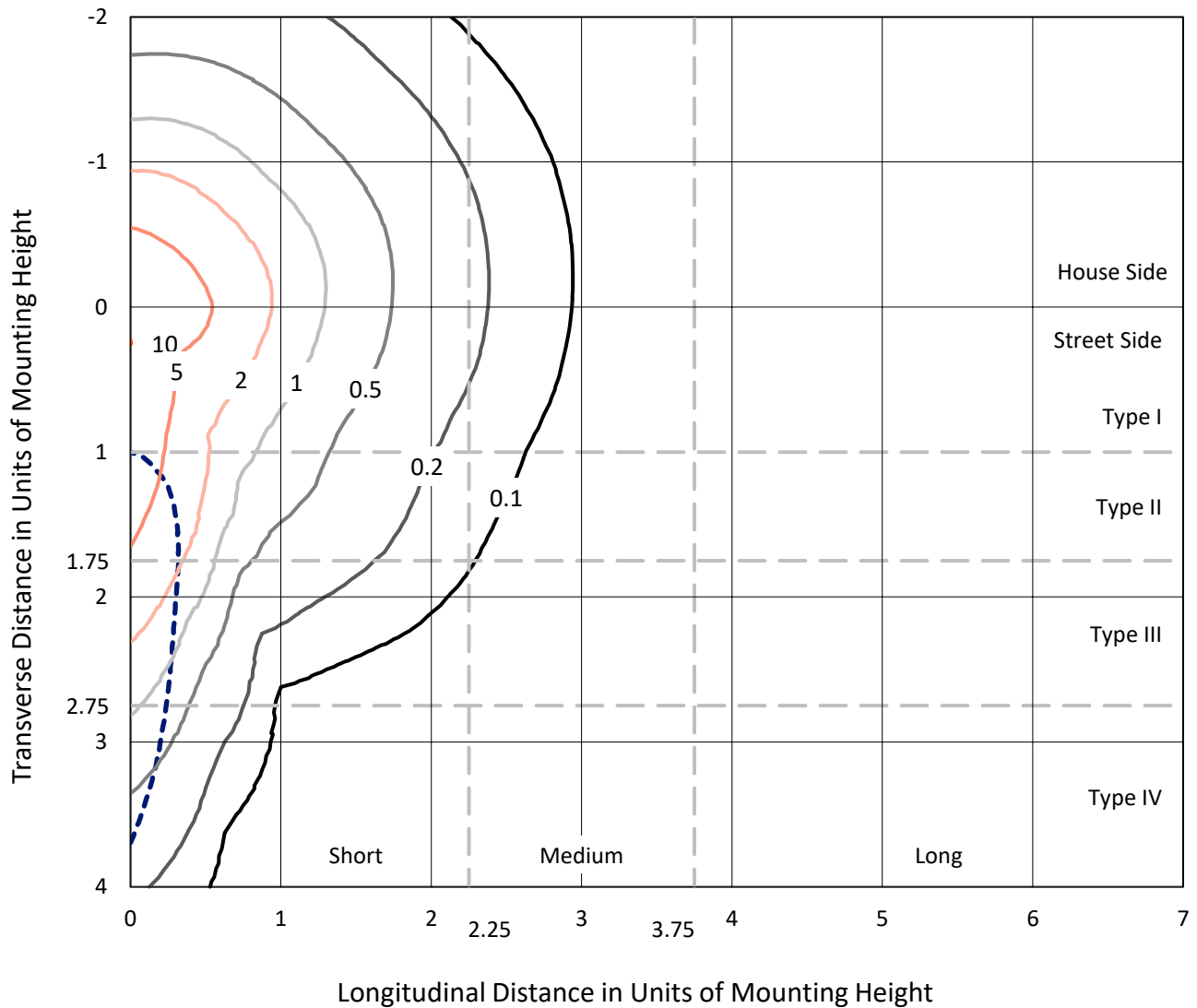
Lumens per Lamp: N/A  
Luminaire Lumens: 37011 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

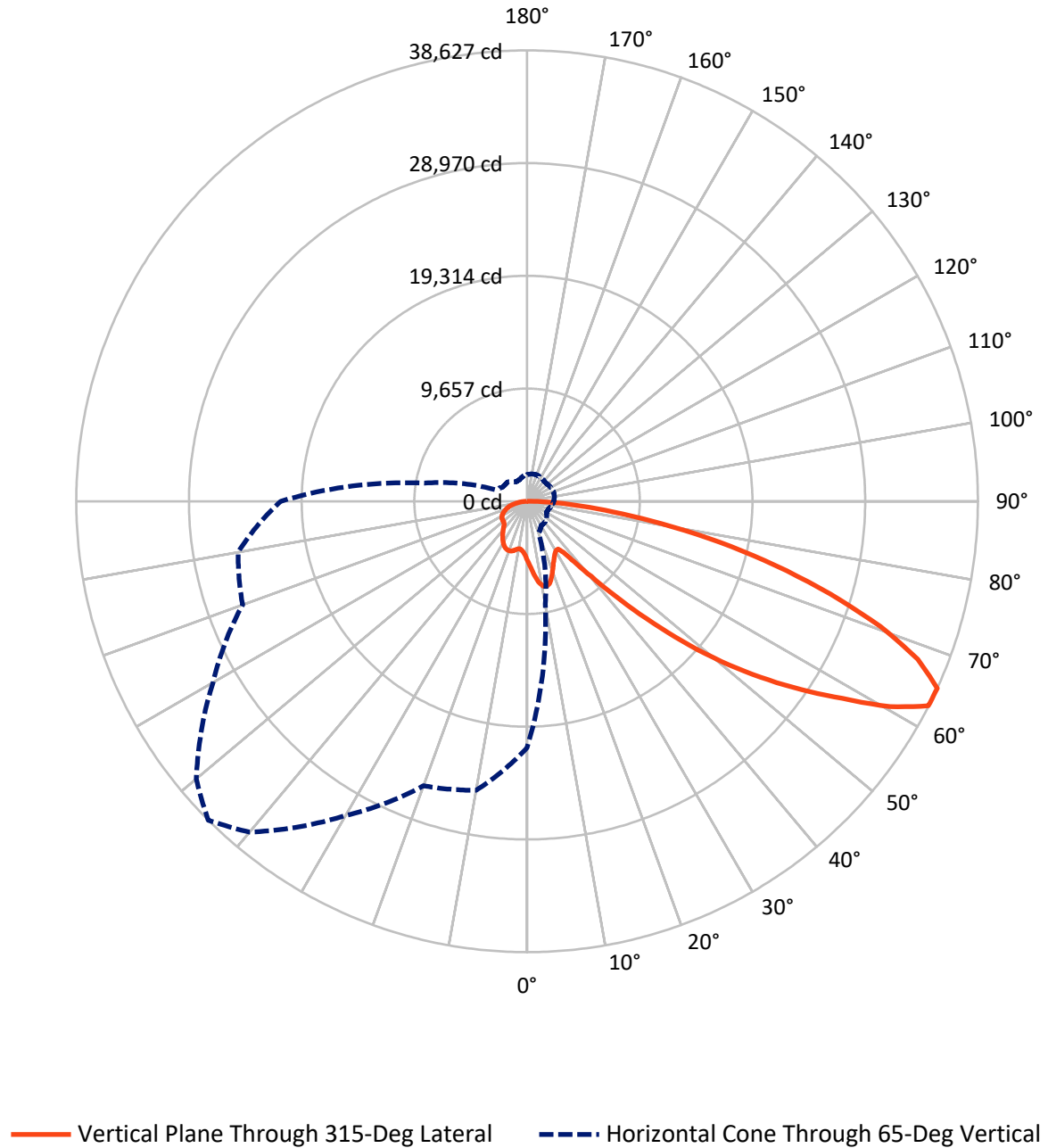
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	9406.3	0.0	9406.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	27604.7	0.0	27604.7
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	37011.0	0.0	37011.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	504.9	1.4
10°-20°	1584.9	4.3
20°-30°	2448.1	6.6
30°-40°	3102.3	8.4
40°-50°	4679.0	12.6
50°-60°	7559.7	20.4
60°-70°	9424.3	25.5
70°-80°	6180.0	16.7
80°-90°	1527.9	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°	37011.0	100.0
0°-180°	37011.0	100.0



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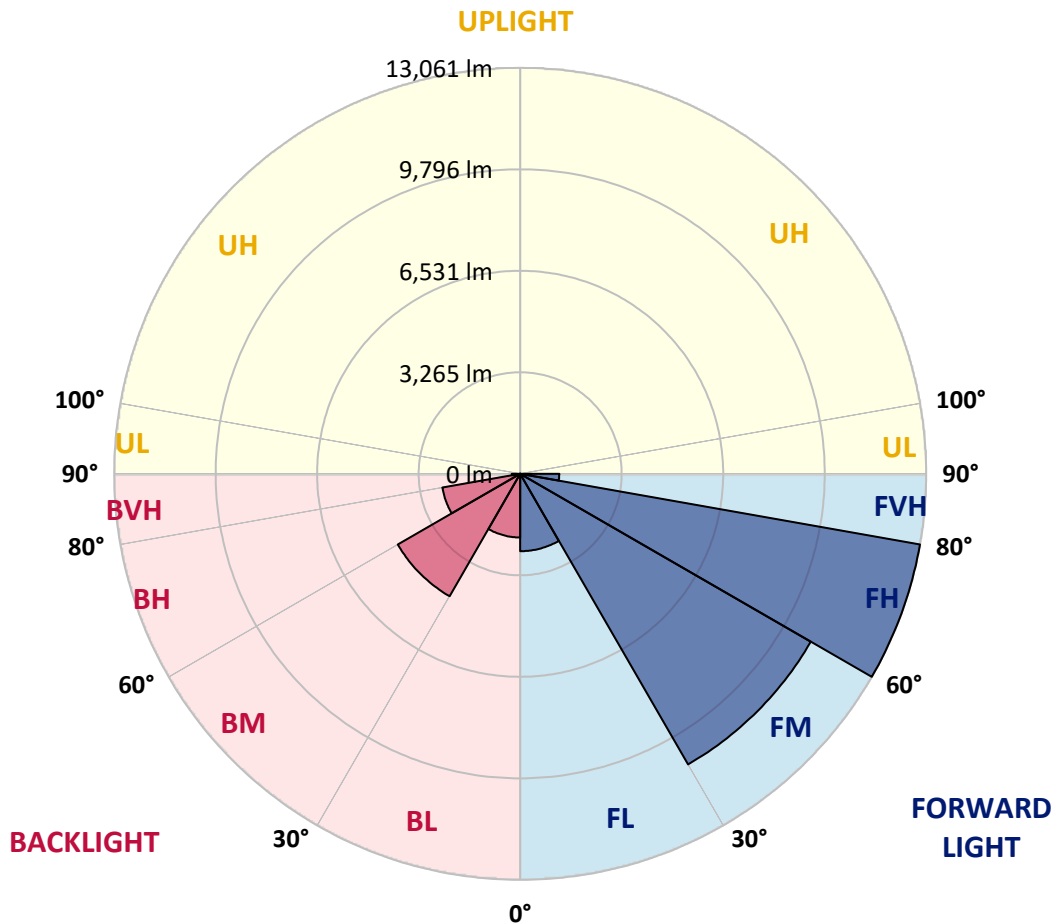
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2489.4	6.7			
FM (30°-60°)	10795.3	29.2			
FH (60°-80°)	13061.3	35.3			G5
FVH (80°-90°)	1258.6	3.4			G5
BL (0°-30°)	2048.3	5.5	B3/2500		
BM (30°-60°)	4545.7	12.3	B3/5000		
BH (60°-80°)	2543.0	6.9	B4/5000		G4/5000
BVH (80°-90°)	269.2	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°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
2.5°	5473.1	5431.1	5389.1	5344.4	5299.9	5254.9	5210.0	5167.1	5124.1	5082.5
5°	5885.1	5792.4	5699.6	5607.1	5514.7	5421.5	5328.6	5241.7	5154.8	5072.7
7.5°	6299.2	6146.1	5993.1	5851.8	5710.4	5572.7	5435.0	5313.7	5192.4	5080.5
10°	6616.5	6423.0	6229.5	6042.6	5855.9	5688.7	5521.3	5378.0	5234.2	5096.2
12.5°	6810.8	6598.2	6385.7	6174.0	5962.3	5765.0	5567.8	5405.5	5243.2	5098.1
15°	6929.0	6707.3	6485.7	6256.0	6026.3	5799.2	5572.1	5384.2	5196.4	5035.6
17.5°	6995.4	6770.6	6545.8	6295.3	6044.7	5781.1	5517.4	5291.5	5065.5	4876.5
20°	7068.6	6835.1	6601.3	6325.9	6050.6	5731.1	5411.6	5131.5	4851.5	4631.4
22.5°	7153.6	6914.9	6676.1	6367.3	6058.4	5669.7	5281.1	4943.8	4606.6	4356.0
25°	7262.9	7029.0	6795.2	6442.3	6089.2	5609.2	5129.4	4734.3	4339.4	4082.6
27.5°	7411.4	7188.3	6965.1	6559.5	6153.7	5568.8	4983.9	4542.7	4101.5	3867.8
30°	7611.5	7395.9	7180.5	6711.2	6241.9	5549.8	4857.3	4382.6	3907.8	3711.5
32.5°	7847.8	7634.4	7421.1	6869.6	6318.1	5526.4	4734.3	4244.5	3754.5	3596.3
35°	8134.9	7930.6	7726.2	7050.1	6374.0	5482.3	4590.9	4108.8	3626.6	3494.8
37.5°	8618.3	8357.8	8097.2	7252.2	6407.2	5406.7	4406.2	3949.0	3491.8	3376.6
40°	9348.7	8969.0	8589.4	7508.8	6428.1	5302.6	4177.3	3758.4	3339.5	3235.0
42.5°	10317.3	9769.3	9221.3	7844.5	6467.7	5195.2	3923.0	3548.1	3173.1	3076.8
45°	11513.5	10774.3	10035.1	8286.3	6537.4	5095.4	3653.5	3324.7	2995.8	2898.1
47.5°	13009.4	11969.1	10928.6	8756.9	6585.3	5013.0	3440.7	3147.9	2855.2	2729.2
50°	14970.2	13401.8	11833.2	9193.6	6554.0	4923.1	3292.2	3030.6	2768.9	2603.3
52.5°	17220.9	14906.7	12592.5	9477.2	6361.7	4771.4	3181.3	2953.2	2725.3	2534.9
55°	19617.2	16240.9	12864.9	9414.7	5964.2	4519.9	3075.5	2897.2	2718.9	2541.7
57.5°	21796.6	17186.6	12576.5	8974.9	5373.5	4165.2	2956.7	2830.8	2704.8	2548.6
60°	23113.9	17422.9	11731.6	8156.4	4581.2	3704.7	2828.2	2729.2	2630.2	2527.1
62.5°	22445.0	16427.8	10410.7	7049.7	3688.7	3153.6	2618.5	2552.7	2487.1	2474.4
65°	21106.3	15020.0	8933.7	5920.5	2907.5	2657.7	2408.0	2376.9	2345.9	2347.4
67.5°	19312.5	13344.6	7376.6	4814.4	2252.1	2181.2	2110.1	2127.5	2144.7	2140.4
70°	17157.5	11516.4	5875.4	3790.6	1705.9	1726.2	1746.3	1826.8	1907.0	1907.0
72.5°	14589.4	9534.6	4480.0	2898.0	1315.9	1377.0	1438.3	1552.4	1666.2	1685.4
75°	11340.7	7262.7	3184.8	2103.3	1021.8	1077.2	1132.7	1260.4	1388.1	1476.4
77.5°	8102.7	5083.3	2063.9	1425.2	786.6	824.3	862.2	986.2	1110.2	1255.7
80°	5303.2	3275.1	1246.9	918.3	589.8	605.4	621.0	726.1	831.0	1004.8
82.5°	3082.7	1895.5	708.5	564.8	421.4	424.2	427.3	504.6	582.0	730.4
85°	1356.3	852.6	349.2	301.9	254.9	253.5	251.9	308.6	365.2	475.5
87.5°	419.9	279.3	138.7	125.2	111.7	110.3	109.0	132.0	155.3	201.2
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°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
5036.2	2.5°	4998.7	4961.4	4927.6	4894.0	4864.5	4835.1	4805.4	4775.9	4753.0	4730.0
4991.7	5°	4921.0	4850.1	4790.7	4731.6	4679.2	4626.9	4579.4	4531.8	4495.3	4458.5
4975.7	7.5°	4881.5	4787.6	4709.5	4631.4	4565.6	4499.5	4441.3	4383.3	4339.8	4296.4
4983.5	10°	4884.3	4785.1	4706.9	4628.8	4557.9	4486.9	4421.4	4356.0	4304.1	4251.9
4993.2	12.5°	4912.0	4831.2	4779.2	4727.6	4671.8	4616.3	4548.6	4481.0	4414.6	4348.2
4951.6	15°	4912.8	4874.1	4881.1	4888.2	4873.7	4859.3	4800.5	4741.7	4647.2	4552.7
4824.7	17.5°	4839.0	4853.0	4938.2	5023.3	5068.6	5113.7	5066.3	5019.0	4893.8	4768.7
4617.7	20°	4684.1	4750.5	4898.3	5046.4	5141.1	5235.8	5213.9	5191.9	5048.7	4905.8
4382.8	22.5°	4481.0	4579.2	4748.0	4917.1	5040.3	5163.5	5176.8	5189.9	5053.2	4916.5
4154.9	25°	4268.1	4381.4	4533.1	4685.1	4806.4	4927.6	4972.9	5018.0	4906.0	4794.0
3955.7	27.5°	4065.0	4174.4	4299.2	4423.8	4521.0	4618.3	4668.7	4719.3	4639.4	4559.7
3780.5	30°	3867.2	3954.3	4057.8	4161.3	4242.0	4322.8	4363.8	4404.8	4344.1	4283.2
3627.0	32.5°	3678.3	3729.7	3812.3	3895.1	3972.5	4050.0	4095.5	4141.2	4085.3	4029.3
3482.1	35°	3496.1	3510.4	3573.5	3636.4	3712.9	3789.7	3844.3	3899.0	3859.2	3819.5
3330.1	37.5°	3314.5	3298.9	3344.2	3389.3	3465.7	3542.2	3609.8	3677.4	3659.0	3640.6
3163.7	40°	3128.4	3093.0	3125.7	3158.3	3232.1	3305.9	3383.6	3461.6	3466.1	3470.4
2987.0	42.5°	2940.1	2893.3	2919.8	2946.6	3016.5	3086.6	3170.6	3254.6	3277.0	3299.5
2811.2	45°	2765.5	2720.0	2742.3	2765.0	2831.4	2897.8	2984.9	3072.0	3104.2	3136.4
2654.4	47.5°	2616.1	2577.9	2599.0	2619.9	2684.9	2749.7	2835.7	2921.6	2958.7	2995.8
2516.3	50°	2482.4	2448.6	2481.4	2514.4	2575.7	2636.8	2713.8	2790.7	2838.4	2886.0
2413.4	52.5°	2379.8	2346.4	2395.9	2445.1	2501.3	2557.4	2629.0	2700.9	2757.3	2813.8
2358.7	55°	2305.6	2252.7	2322.8	2392.7	2453.3	2513.8	2576.7	2639.4	2699.1	2759.1
2325.9	57.5°	2248.6	2171.3	2246.6	2322.0	2393.1	2464.2	2526.3	2588.6	2649.0	2709.1
2295.1	60°	2194.9	2094.5	2160.7	2226.7	2308.4	2390.0	2453.1	2516.3	2576.9	2637.4
2259.1	62.5°	2133.8	2008.6	2050.6	2092.6	2187.7	2283.0	2350.3	2417.7	2473.2	2528.7
2183.4	65°	2050.2	1916.8	1933.0	1949.0	2051.0	2153.1	2217.6	2282.0	2330.8	2379.6
2048.2	67.5°	1937.3	1826.4	1821.3	1816.2	1910.4	2004.7	2065.8	2126.7	2168.9	2211.1
1876.8	70°	1797.9	1719.0	1701.4	1683.8	1766.6	1849.4	1902.2	1954.9	1993.0	2031.0
1685.8	72.5°	1631.7	1577.6	1551.8	1526.2	1591.4	1656.5	1704.1	1751.8	1789.1	1826.4
1469.0	75°	1427.4	1385.6	1361.0	1336.2	1384.6	1433.1	1476.2	1519.4	1553.4	1587.3
1251.8	77.5°	1218.4	1185.0	1160.0	1135.0	1174.5	1213.7	1250.9	1288.0	1323.7	1359.2
1004.2	80°	976.3	948.1	927.3	906.2	939.0	971.6	1002.8	1034.1	1061.2	1088.2
738.6	82.5°	724.9	711.3	696.4	681.6	678.8	676.1	665.2	654.2	712.0	769.8
486.3	85°	471.6	457.0	440.4	423.8	409.7	395.5	365.2	334.9	389.0	443.3
214.8	87.5°	209.0	203.1	200.0	196.9	196.3	195.7	172.6	149.4	172.1	194.9
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°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
4711.4	2.5°	4692.9	4678.4	4664.0	4650.7	4637.2	4620.6	4637.2	4650.7	4664.0	4678.4
4433.0	5°	4407.4	4389.2	4371.0	4357.2	4343.3	4329.6	4343.3	4357.2	4371.0	4389.2
4266.0	7.5°	4235.5	4214.6	4193.9	4181.4	4169.1	4159.7	4169.1	4181.4	4193.9	4214.6
4217.9	10°	4183.6	4163.8	4144.1	4133.6	4123.0	4118.7	4123.0	4133.6	4144.1	4163.8
4304.3	12.5°	4260.3	4238.2	4216.4	4207.4	4198.4	4196.8	4198.4	4207.4	4216.4	4238.2
4485.9	15°	4419.1	4388.4	4358.0	4346.2	4334.5	4333.5	4334.5	4346.2	4358.0	4388.4
4670.2	17.5°	4571.8	4526.5	4481.0	4466.2	4451.1	4448.8	4451.1	4466.2	4481.0	4526.5
4785.1	20°	4664.6	4606.6	4548.4	4529.8	4511.3	4505.4	4511.3	4529.8	4548.4	4606.6
4792.3	22.5°	4667.9	4606.8	4545.4	4524.9	4504.4	4495.6	4504.4	4524.9	4545.4	4606.8
4683.5	25°	4573.4	4520.2	4467.3	4448.0	4428.9	4417.5	4428.9	4448.0	4467.3	4520.2
4474.0	27.5°	4388.2	4352.7	4316.9	4308.2	4299.4	4296.4	4299.4	4308.2	4316.9	4352.7
4221.8	30°	4160.1	4142.0	4123.6	4123.6	4123.6	4126.5	4123.6	4123.6	4123.6	4142.0
3980.3	32.5°	3931.2	3919.3	3907.4	3909.0	3910.7	3913.7	3910.7	3909.0	3907.4	3919.3
3774.2	35°	3729.1	3711.0	3693.0	3689.1	3685.2	3683.2	3685.2	3689.1	3693.0	3711.0
3599.1	37.5°	3557.3	3524.3	3491.4	3474.1	3456.7	3446.9	3456.7	3474.1	3491.4	3524.3
3435.0	40°	3399.7	3351.6	3304.0	3271.5	3239.5	3220.4	3239.5	3271.5	3304.0	3351.6
3269.6	42.5°	3239.9	3180.3	3120.8	3073.7	3026.6	2995.8	3026.6	3073.7	3120.8	3180.3
3109.5	45°	3082.7	3014.5	2946.6	2891.3	2836.0	2800.5	2836.0	2891.3	2946.6	3014.5
2977.0	47.5°	2958.3	2897.8	2837.2	2786.0	2735.1	2700.9	2735.1	2786.0	2837.2	2897.8
2884.9	50°	2884.1	2835.7	2787.2	2740.0	2692.7	2659.9	2692.7	2740.0	2787.2	2835.7
2823.9	52.5°	2834.1	2794.6	2755.2	2712.8	2670.6	2640.4	2670.6	2712.8	2755.2	2794.6
2773.2	55°	2787.2	2752.8	2718.5	2681.4	2644.3	2616.9	2644.3	2681.4	2718.5	2752.8
2723.4	57.5°	2737.6	2702.9	2668.1	2631.4	2594.5	2566.1	2594.5	2631.4	2668.1	2702.9
2653.1	60°	2668.7	2634.7	2600.9	2563.0	2525.1	2495.8	2525.1	2563.0	2600.9	2634.7
2543.7	62.5°	2558.7	2528.1	2497.4	2457.6	2417.7	2382.6	2417.7	2457.6	2497.4	2528.1
2395.1	65°	2410.3	2380.8	2351.3	2312.7	2274.2	2243.9	2274.2	2312.7	2351.3	2380.8
2226.1	67.5°	2241.0	2213.8	2186.9	2151.0	2115.0	2087.7	2115.0	2151.0	2186.9	2213.8
2045.5	70°	2059.9	2037.9	2015.8	1981.4	1947.1	1915.8	1947.1	1981.4	2015.8	2037.9
1843.6	72.5°	1860.8	1842.4	1824.0	1791.2	1758.6	1728.3	1758.6	1791.2	1824.0	1842.4
1605.3	75°	1623.3	1614.3	1605.3	1577.8	1550.2	1521.3	1550.2	1577.8	1605.3	1614.3
1376.0	77.5°	1392.8	1380.3	1367.4	1339.7	1312.0	1288.9	1312.0	1339.7	1367.4	1380.3
1110.4	80°	1132.7	1127.2	1122.0	1084.7	1047.2	1003.8	1047.2	1084.7	1122.0	1127.2
807.7	82.5°	845.6	843.3	840.7	809.3	777.7	749.9	777.7	809.3	840.7	843.3
490.2	85°	537.1	533.1	529.2	504.6	480.0	455.0	480.0	504.6	529.2	533.1
213.8	87.5°	232.8	228.1	223.0	210.5	197.6	185.5	197.6	210.5	223.0	228.1
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
4692.9	2.5°	4711.4	4730.0	4753.0	4775.9	4805.4	4835.1	4864.5	4894.0	4927.6	4961.4
4407.4	5°	4433.0	4458.5	4495.3	4531.8	4579.4	4626.9	4679.2	4731.6	4790.7	4850.1
4235.5	7.5°	4266.0	4296.4	4339.8	4383.3	4441.3	4499.5	4565.6	4631.4	4709.5	4787.6
4183.6	10°	4217.9	4251.9	4304.1	4356.0	4421.4	4486.9	4557.9	4628.8	4706.9	4785.1
4260.3	12.5°	4304.3	4348.2	4414.6	4481.0	4548.6	4616.3	4671.8	4727.6	4779.2	4831.2
4419.1	15°	4485.9	4552.7	4647.2	4741.7	4800.5	4859.3	4873.7	4888.2	4881.1	4874.1
4571.8	17.5°	4670.2	4768.7	4893.8	5019.0	5066.3	5113.7	5068.6	5023.3	4938.2	4853.0
4664.6	20°	4785.1	4905.8	5048.7	5191.9	5213.9	5235.8	5141.1	5046.4	4898.3	4750.5
4667.9	22.5°	4792.3	4916.5	5053.2	5189.9	5176.8	5163.5	5040.3	4917.1	4748.0	4579.2
4573.4	25°	4683.5	4794.0	4906.0	5018.0	4972.9	4927.6	4806.4	4685.1	4533.1	4381.4
4388.2	27.5°	4474.0	4559.7	4639.4	4719.3	4668.7	4618.3	4521.0	4423.8	4299.2	4174.4
4160.1	30°	4221.8	4283.2	4344.1	4404.8	4363.8	4322.8	4242.0	4161.3	4057.8	3954.3
3931.2	32.5°	3980.3	4029.3	4085.3	4141.2	4095.5	4050.0	3972.5	3895.1	3812.3	3729.7
3729.1	35°	3774.2	3819.5	3859.2	3899.0	3844.3	3789.7	3712.9	3636.4	3573.5	3510.4
3557.3	37.5°	3599.1	3640.6	3659.0	3677.4	3609.8	3542.2	3465.7	3389.3	3344.2	3298.9
3399.7	40°	3435.0	3470.4	3466.1	3461.6	3383.6	3305.9	3232.1	3158.3	3125.7	3093.0
3239.9	42.5°	3269.6	3299.5	3277.0	3254.6	3170.6	3086.6	3016.5	2946.6	2919.8	2893.3
3082.7	45°	3109.5	3136.4	3104.2	3072.0	2984.9	2897.8	2831.4	2765.0	2742.3	2720.0
2958.3	47.5°	2977.0	2995.8	2958.7	2921.6	2835.7	2749.7	2684.9	2619.9	2599.0	2577.9
2884.1	50°	2884.9	2886.0	2838.4	2790.7	2713.8	2636.8	2575.7	2514.4	2481.4	2448.6
2834.1	52.5°	2823.9	2813.8	2757.3	2700.9	2629.0	2557.4	2501.3	2445.1	2395.9	2346.4
2787.2	55°	2773.2	2759.1	2699.1	2639.4	2576.7	2513.8	2453.3	2392.7	2322.8	2252.7
2737.6	57.5°	2723.4	2709.1	2649.0	2588.6	2526.3	2464.2	2393.1	2322.0	2246.6	2171.3
2668.7	60°	2653.1	2637.4	2576.9	2516.3	2453.1	2390.0	2308.4	2226.7	2160.7	2094.5
2558.7	62.5°	2543.7	2528.7	2473.2	2417.7	2350.3	2283.0	2187.7	2092.6	2050.6	2008.6
2410.3	65°	2395.1	2379.6	2330.8	2282.0	2217.6	2153.1	2051.0	1949.0	1933.0	1916.8
2241.0	67.5°	2226.1	2211.1	2168.9	2126.7	2065.8	2004.7	1910.4	1816.2	1821.3	1826.4
2059.9	70°	2045.5	2031.0	1993.0	1954.9	1902.2	1849.4	1766.6	1683.8	1701.4	1719.0
1860.8	72.5°	1843.6	1826.4	1789.1	1751.8	1704.1	1656.5	1591.4	1526.2	1551.8	1577.6
1623.3	75°	1605.3	1587.3	1553.4	1519.4	1476.2	1433.1	1384.6	1336.2	1361.0	1385.6
1392.8	77.5°	1376.0	1359.2	1323.7	1288.0	1250.9	1213.7	1174.5	1135.0	1160.0	1185.0
1132.7	80°	1110.4	1088.2	1061.2	1034.1	1002.8	971.6	939.0	906.2	927.3	948.1
845.6	82.5°	807.7	769.8	712.0	654.2	665.2	676.1	678.8	681.6	696.4	711.3
537.1	85°	490.2	443.3	389.0	334.9	365.2	395.5	409.7	423.8	440.4	457.0
232.8	87.5°	213.8	194.9	172.1	149.4	172.6	195.7	196.3	196.9	200.0	203.1
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
4998.7	2.5°	5036.2	5082.5	5124.1	5167.1	5210.0	5254.9	5299.9	5344.4	5389.1	5431.1
4921.0	5°	4991.7	5072.7	5154.8	5241.7	5328.6	5421.5	5514.7	5607.1	5699.6	5792.4
4881.5	7.5°	4975.7	5080.5	5192.4	5313.7	5435.0	5572.7	5710.4	5851.8	5993.1	6146.1
4884.3	10°	4983.5	5096.2	5234.2	5378.0	5521.3	5688.7	5855.9	6042.6	6229.5	6423.0
4912.0	12.5°	4993.2	5098.1	5243.2	5405.5	5567.8	5765.0	5962.3	6174.0	6385.7	6598.2
4912.8	15°	4951.6	5035.6	5196.4	5384.2	5572.1	5799.2	6026.3	6256.0	6485.7	6707.3
4839.0	17.5°	4824.7	4876.5	5065.5	5291.5	5517.4	5781.1	6044.7	6295.3	6545.8	6770.6
4684.1	20°	4617.7	4631.4	4851.5	5131.5	5411.6	5731.1	6050.6	6325.9	6601.3	6835.1
4481.0	22.5°	4382.8	4356.0	4606.6	4943.8	5281.1	5669.7	6058.4	6367.3	6676.1	6914.9
4268.1	25°	4154.9	4082.6	4339.4	4734.3	5129.4	5609.2	6089.2	6442.3	6795.2	7029.0
4065.0	27.5°	3955.7	3867.8	4101.5	4542.7	4983.9	5568.8	6153.7	6559.5	6965.1	7188.3
3867.2	30°	3780.5	3711.5	3907.8	4382.6	4857.3	5549.8	6241.9	6711.2	7180.5	7395.9
3678.3	32.5°	3627.0	3596.3	3754.5	4244.5	4734.3	5264.4	6318.1	6869.6	7421.1	7634.4
3496.1	35°	3482.1	3494.8	3626.6	4108.8	4590.9	5482.3	6374.0	7050.1	7726.2	7930.6
3314.5	37.5°	3330.1	3376.6	3491.8	3949.0	4406.2	5406.7	6407.2	7252.2	8097.2	8357.8
3128.4	40°	3163.7	3235.0	3339.5	3758.4	4177.3	5302.6	6428.1	7508.8	8589.4	8969.0
2940.1	42.5°	2987.0	3076.8	3173.1	3548.1	3923.0	5195.2	6467.7	7844.5	9221.3	9769.3
2765.5	45°	2811.2	2898.1	2995.8	3324.7	3653.5	5095.4	6537.4	8286.3	10035.1	10774.3
2616.1	47.5°	2654.4	2729.2	2855.2	3147.9	3440.7	5013.0	6585.3	8756.9	10928.6	11969.1
2482.4	50°	2516.3	2603.3	2768.9	3030.6	3292.2	4923.1	6554.0	9193.6	11833.2	13401.8
2379.8	52.5°	2413.4	2534.9	2725.3	2953.2	3181.3	4771.4	6361.7	9477.2	12592.5	14906.7
2305.6	55°	2358.7	2541.7	2718.9	2897.2	3075.5	4519.9	5964.2	9414.7	12864.9	16240.9
2248.6	57.5°	2325.9	2548.6	2704.8	2830.8	2956.7	4165.2	5373.5	8974.9	12576.5	17186.6
2194.9	60°	2295.1	2527.1	2630.2	2729.2	2828.2	3704.7	4581.2	8156.4	11731.6	17422.9
2133.8	62.5°	2259.1	2474.4	2487.1	2552.7	2618.5	3153.6	3688.7	7049.7	10410.7	16427.8
2050.2	65°	2183.4	2347.4	2345.9	2376.9	2408.0	2657.7	2907.5	5920.5	8933.7	15020.0
1937.3	67.5°	2048.2	2140.4	2144.7	2127.5	2110.1	2181.2	2252.1	4814.4	7376.6	13344.6
1797.9	70°	1876.8	1907.0	1907.0	1826.8	1746.3	1726.2	1705.9	3790.6	5875.4	11516.4
1631.7	72.5°	1685.8	1685.4	1666.2	1552.4	1438.3	1377.0	1315.9	2898.0	4480.0	9534.6
1427.4	75°	1469.0	1476.4	1388.1	1260.4	1132.7	1077.2	1021.8	2103.3	3184.8	7262.7
1218.4	77.5°	1251.8	1255.7	1110.2	986.2	862.2	824.3	786.6	1425.2	2063.9	5083.3
976.3	80°	1004.2	1004.8	831.0	726.1	621.0	605.4	589.8	918.3	1246.9	3275.1
724.9	82.5°	738.6	730.4	582.0	504.6	427.3	424.2	421.4	564.8	708.5	1895.5
471.6	85°	486.3	475.5	365.2	308.6	251.9	253.5	254.9	301.9	349.2	852.6
209.0	87.5°	214.8	201.2	155.3	132.0	109.0	110.3	111.7	125.2	138.7	279.3
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
5473.1	2.5°	5493.8	5514.7	5544.2	5573.7	5591.2	5608.8	5617.6	5626.4	5622.5	5626.4
5885.1	5°	5957.6	6030.3	6102.1	6174.2	6213.2	6252.3	6275.9	6299.8	6317.7	6299.8
6299.2	7.5°	6417.1	6534.9	6640.9	6747.0	6810.8	6874.7	6909.3	6943.6	6960.2	6943.6
6616.5	10°	6756.0	6895.4	7019.8	7144.2	7219.6	7294.6	7328.2	7361.6	7374.3	7361.6
6810.8	12.5°	6962.0	7113.0	7225.4	7337.5	7392.2	7446.9	7465.3	7483.6	7485.6	7483.6
6929.0	15°	7059.4	7189.7	7260.2	7330.9	7332.9	7334.8	7315.3	7295.7	7272.7	7295.7
6995.4	17.5°	7083.5	7171.5	7172.9	7174.1	7095.0	7015.9	6943.4	6870.8	6819.6	6870.8
7068.6	20°	7099.3	7130.1	7037.4	6944.6	6770.0	6595.4	6468.3	6341.2	6263.0	6341.2
7153.6	22.5°	7113.3	7073.1	6880.9	6688.8	6432.0	6175.2	6016.2	5857.2	5770.9	5857.2
7262.9	25°	7136.0	7009.1	6717.3	6425.5	6113.6	5801.8	5634.6	5467.8	5386.2	5467.8
7411.4	27.5°	7184.4	6957.3	6570.8	6184.5	5838.9	5493.2	5328.8	5164.5	5087.4	5164.5
7611.5	30°	7273.1	6934.8	6459.1	5983.4	5623.3	5263.1	5110.6	4958.1	4886.2	4958.1
7847.8	32.5°	7384.4	6921.2	6383.0	5844.7	5506.3	5167.8	5048.1	4928.2	4876.5	4928.2
8134.9	35°	7567.8	7000.9	6440.0	5879.3	5644.2	5409.2	5381.3	5353.4	5349.1	5353.4
8618.3	37.5°	7951.2	7284.0	6774.3	6264.6	6249.4	6234.1	6361.9	6489.6	6556.0	6489.6
9348.7	40°	8623.2	7897.6	7518.6	7139.5	7407.1	7674.6	7985.1	8295.6	8450.3	8295.6
10317.3	42.5°	9597.5	8877.6	8659.3	8440.9	9024.5	9608.0	10172.8	10737.6	11069.2	10737.6
11513.5	45°	10866.9	10220.1	10123.8	10027.3	10962.2	11897.2	12825.3	13753.5	14316.9	13753.5
13009.4	47.5°	12380.4	11751.2	11731.6	11712.1	13060.8	14409.1	15767.7	17126.2	17924.0	17126.2
14970.2	50°	14193.1	13416.2	13419.5	13422.9	15161.0	16899.1	18692.5	20485.8	21570.1	20485.8
17220.9	52.5°	16280.0	15339.3	15244.2	15148.9	17225.0	19301.2	21520.1	23738.8	25038.5	23738.8
19617.2	55°	18687.6	17758.0	17387.1	17016.3	19327.0	21637.5	24282.7	26928.0	28473.7	26928.0
21796.6	57.5°	21290.4	20784.0	20040.2	19296.5	21629.7	23962.8	26959.0	29955.0	31871.8	29955.0
23113.9	60°	23900.1	24686.6	23762.8	22839.1	25047.1	27255.1	30462.9	33670.8	35742.5	33670.8
22445.0	62.5°	24593.4	26741.8	26637.7	26533.5	28556.1	30579.0	33631.0	36682.8	38597.7	36682.8
21106.3	65°	23122.7	25139.1	25538.1	25936.8	28507.3	31077.9	34037.4	36996.7	38627.0	36996.7
19312.5	67.5°	21230.3	23148.1	23335.2	23522.0	26200.3	28878.3	31850.5	34822.7	36099.9	34822.7
17157.5	70°	19243.4	21329.5	21413.1	21496.9	23891.9	26286.8	28844.6	31402.1	32112.0	31402.1
14589.4	72.5°	16983.1	19377.0	19437.1	19497.1	21370.9	23244.7	25160.4	27075.8	27147.7	27075.8
11340.7	75°	13818.1	16295.6	16518.1	16740.5	18198.4	19656.2	21004.7	22353.2	21991.9	22353.2
8102.7	77.5°	10415.4	12728.2	13046.5	13364.9	14473.2	15581.4	16537.8	17494.3	16873.3	17494.3
5303.2	80°	7248.9	9194.4	9590.0	9985.7	10822.7	11659.4	12161.7	12663.8	11664.8	12663.8
3082.7	82.5°	4412.8	5743.2	6185.1	6627.3	7203.4	7779.5	7989.0	8198.4	7413.3	8198.4
1356.3	85°	2062.3	2768.3	3144.2	3520.2	3993.5	4466.7	4585.7	4704.6	4075.8	4704.6
419.9	87.5°	657.2	894.4	1104.2	1313.9	1550.6	1787.3	1797.5	1807.4	1517.4	1807.4
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):**

325°		330°	335°	340°	345°	350°	355°	360°
5089.3	0°	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3	5089.3
5617.6	2.5°	5608.8	5591.2	5573.7	5544.2	5514.7	5493.8	5473.1
6275.9	5°	6252.3	6213.2	6174.2	6102.1	6030.3	5957.6	5885.1
6909.3	7.5°	6874.7	6810.8	6747.0	6640.9	6534.9	6417.1	6299.2
7328.2	10°	7294.6	7219.6	7144.2	7019.8	6895.4	6756.0	6616.5
7465.3	12.5°	7446.9	7392.2	7337.5	7225.4	7113.0	6962.0	6810.8
7315.3	15°	7334.8	7332.9	7330.9	7260.2	7189.7	7059.4	6929.0
6943.4	17.5°	7015.9	7095.0	7174.1	7172.9	7171.5	7083.5	6995.4
6468.3	20°	6595.4	6770.0	6944.6	7037.4	7130.1	7099.3	7068.6
6016.2	22.5°	6175.2	6432.0	6688.8	6880.9	7073.1	7113.3	7153.6
5634.6	25°	5801.8	6113.6	6425.5	6717.3	7009.1	7136.0	7262.9
5328.8	27.5°	5493.2	5838.9	6184.5	6570.8	6957.3	7184.4	7411.4
5110.6	30°	5263.1	5623.3	5983.4	6459.1	6934.8	7273.1	7611.5
5048.1	32.5°	5167.8	5506.3	5844.7	6383.0	6921.2	7384.4	7847.8
5381.3	35°	5409.2	5644.2	5879.3	6440.0	7000.9	7567.8	8134.9
6361.9	37.5°	6234.1	6249.4	6264.6	6774.3	7284.0	7951.2	8618.3
7985.1	40°	7674.6	7407.1	7139.5	7518.6	7897.6	8623.2	9348.7
10172.8	42.5°	9608.0	9024.5	8440.9	8659.3	8877.6	9597.5	10317.3
12825.3	45°	11897.2	10962.2	10027.3	10123.8	10220.1	10866.9	11513.5
15767.7	47.5°	14409.1	13060.8	11712.1	11731.6	11751.2	12380.4	13009.4
18692.5	50°	16899.1	15161.0	13422.9	13419.5	13416.2	14193.1	14970.2
21520.1	52.5°	19301.2	17225.0	15148.9	15244.2	15339.3	16280.0	17220.9
24282.7	55°	21637.5	19327.0	17016.3	17387.1	17758.0	18687.6	19617.2
26959.0	57.5°	23962.8	21629.7	19296.5	20040.2	20784.0	21290.4	21796.6
30462.9	60°	27255.1	25047.1	22839.1	23762.8	24686.6	23900.1	23113.9
33631.0	62.5°	30579.0	28556.1	26533.5	26637.7	26741.8	24593.4	22445.0
34037.4	65°	31077.9	28507.3	25936.8	25538.1	25139.1	23122.7	21106.3
31850.5	67.5°	28878.3	26200.3	23522.0	23335.2	23148.1	21230.3	19312.5
28844.6	70°	26286.8	23891.9	21496.9	21413.1	21329.5	19243.4	17157.5
25160.4	72.5°	23244.7	21370.9	19497.1	19437.1	19377.0	16983.1	14589.4
21004.7	75°	19656.2	18198.4	16740.5	16518.1	16295.6	13818.1	11340.7
16537.8	77.5°	15581.4	14473.2	13364.9	13046.5	12728.2	10415.4	8102.7
12161.7	80°	11659.4	10822.7	9985.7	9590.0	9194.4	7248.9	5303.2
7989.0	82.5°	7779.5	7203.4	6627.3	6185.1	5743.2	4412.8	3082.7
4585.7	85°	4466.7	3993.5	3520.2	3144.2	2768.3	2062.3	1356.3
1797.5	87.5°	1787.3	1550.6	1313.9	1104.2	894.4	657.2	419.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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