

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: P953914

Luminaire Tested: **GALN-SB7B-827-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953914  
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-827-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

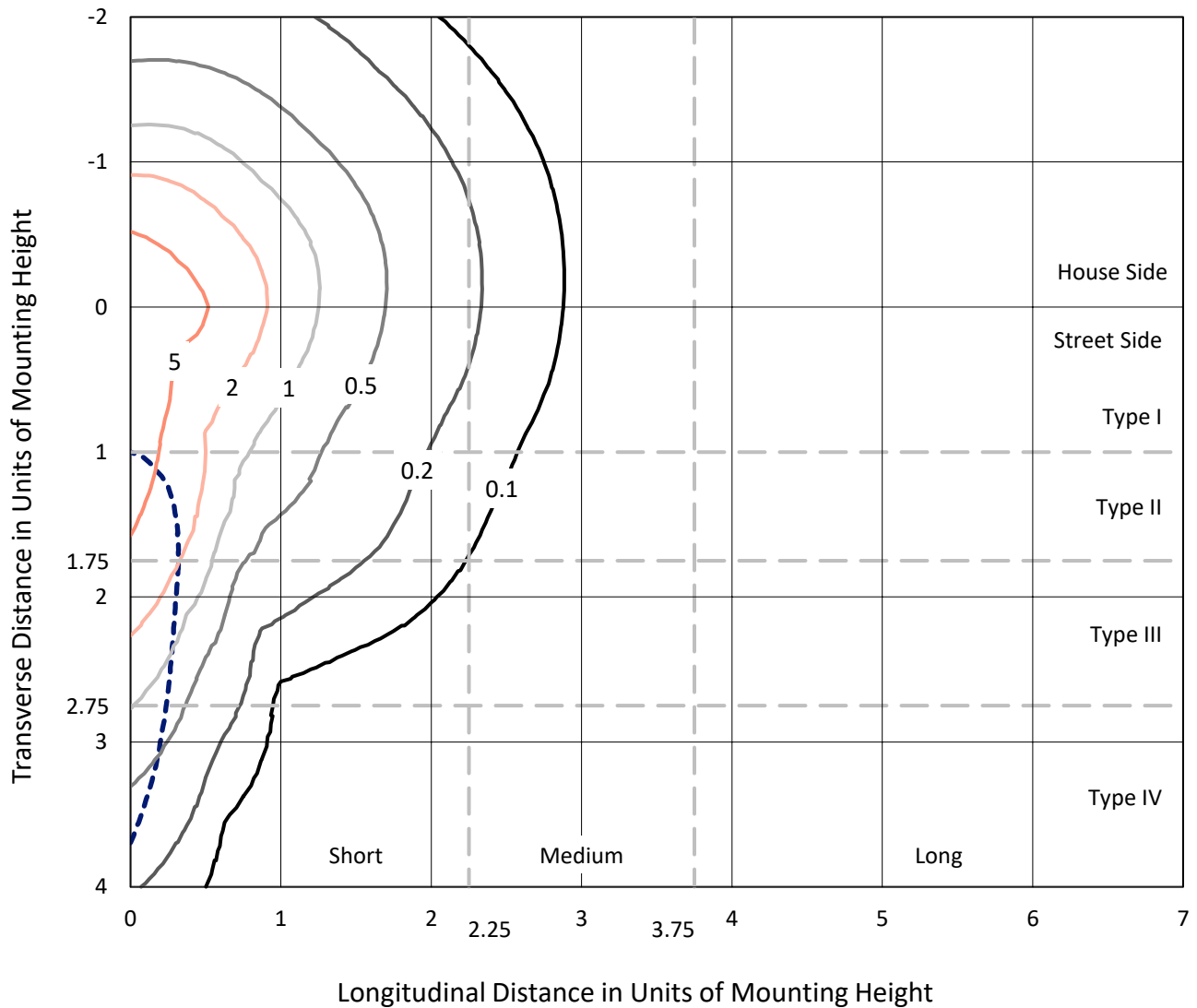
Lumens per Lamp: N/A  
Luminaire Lumens: 34698 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

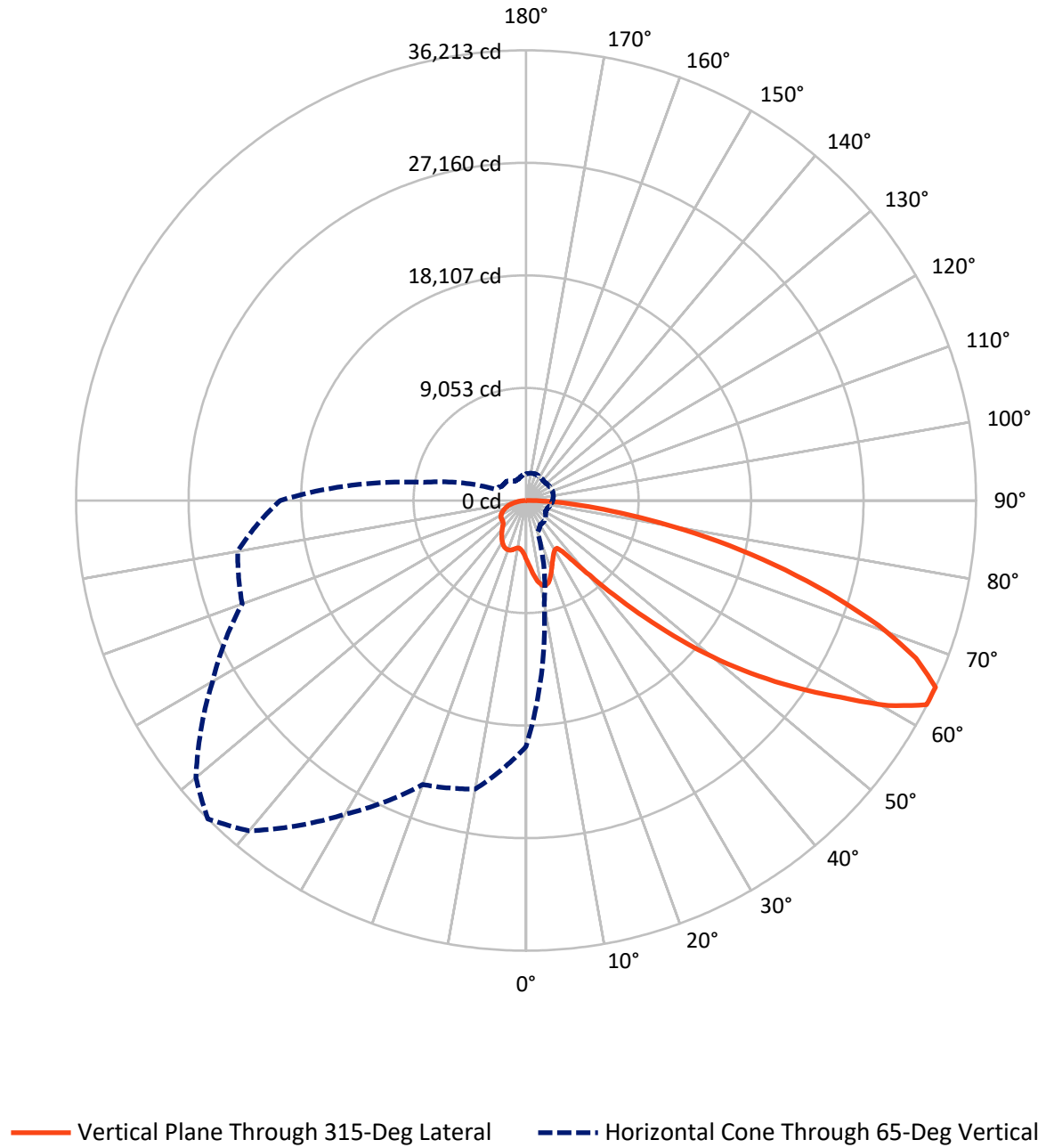
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	8818.5	0.0	8818.5
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	25879.5	0.0	25879.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	34698.0	0.0	34698.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.3	1.4
10°-20°	1485.8	4.3
20°-30°	2295.1	6.6
30°-40°	2908.4	8.4
40°-50°	4386.6	12.6
50°-60°	7087.2	20.4
60°-70°	8835.4	25.5
70°-80°	5793.8	16.7
80°-90°	1432.4	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°	34698.0	100.0
0°-180°	34698.0	100.0



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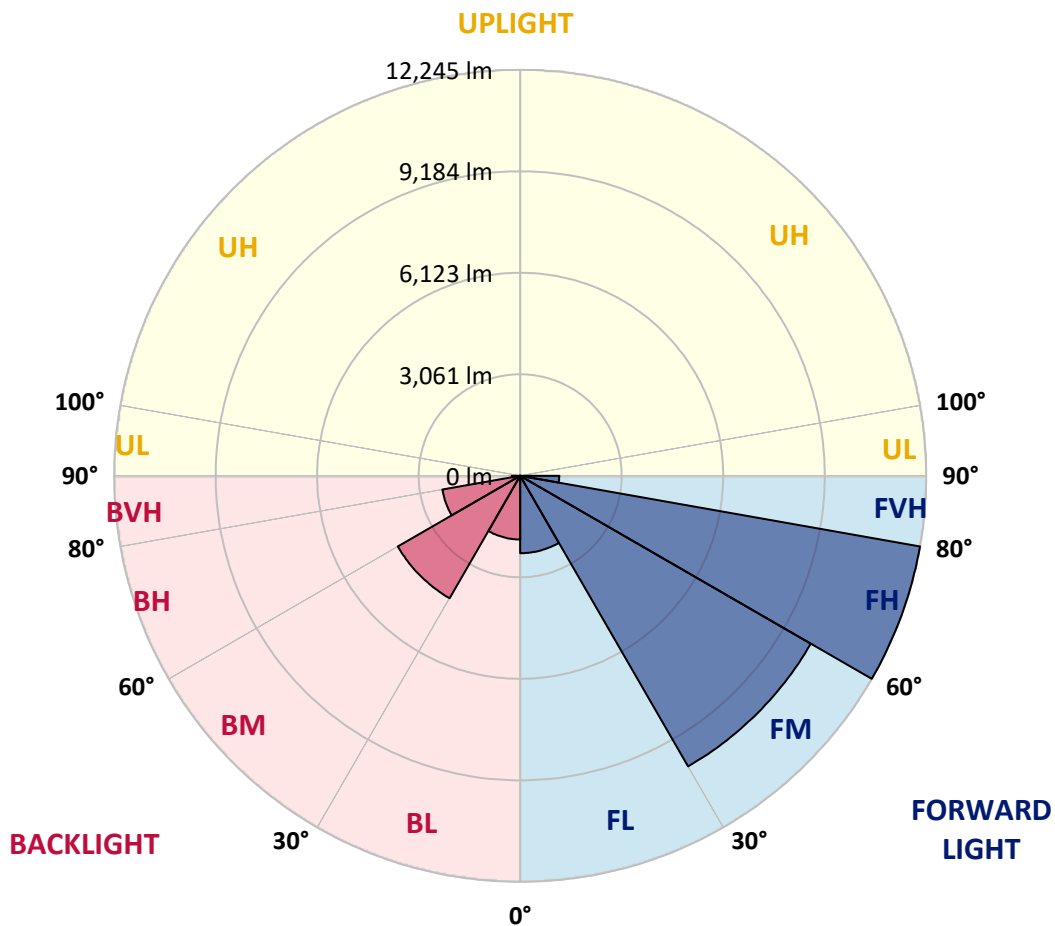
CATALOG NUMBER: GALN-SB7B-827-U-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2333.8	6.7			
FM (30°-60°)	10120.7	29.2			
FH (60°-80°)	12245.1	35.3			G5
FVH (80°-90°)	1180.0	3.4			G5
BL (0°-30°)	1920.3	5.5	B3/2500		
BM (30°-60°)	4261.6	12.3	B3/5000		
BH (60°-80°)	2384.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	252.4	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°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
2.5°	5131.0	5091.7	5052.3	5010.4	4968.6	4926.5	4884.4	4844.1	4803.9	4764.9
5°	5517.4	5430.4	5343.4	5256.6	5170.0	5082.7	4995.6	4914.1	4832.6	4755.7
7.5°	5905.5	5762.0	5618.6	5486.0	5353.5	5224.4	5095.3	4981.6	4867.9	4763.0
10°	6203.0	6021.6	5840.1	5664.9	5489.9	5333.2	5176.3	5041.9	4907.1	4777.7
12.5°	6385.2	6185.8	5986.6	5788.1	5589.7	5404.8	5219.8	5067.7	4915.5	4779.5
15°	6496.0	6288.2	6080.4	5865.0	5649.7	5436.8	5223.9	5047.7	4871.6	4720.9
17.5°	6558.2	6347.5	6136.7	5901.8	5666.9	5419.8	5172.6	4960.8	4748.9	4571.7
20°	6626.9	6407.9	6188.7	5930.6	5672.4	5372.9	5073.4	4810.8	4548.3	4341.9
22.5°	6706.5	6482.8	6258.9	5969.4	5679.8	5315.4	4951.1	4634.9	4318.7	4083.8
25°	6809.0	6589.7	6370.5	6039.7	5708.7	5258.7	4808.8	4438.4	4068.2	3827.5
27.5°	6948.2	6739.1	6529.8	6149.6	5769.1	5220.8	4672.4	4258.8	3845.2	3626.1
30°	7135.9	6933.7	6731.8	6291.8	5851.9	5203.0	4553.8	4108.7	3663.6	3479.6
32.5°	7357.4	7157.3	6957.3	6440.3	5923.3	5181.0	4438.4	3979.2	3519.9	3371.6
35°	7626.5	7435.0	7243.3	6609.5	5975.6	5139.6	4304.0	3852.0	3399.9	3276.4
37.5°	8079.7	7835.4	7591.2	6799.0	6006.8	5068.8	4130.8	3702.2	3273.6	3165.6
40°	8764.4	8408.5	8052.6	7039.6	6026.3	4971.2	3916.3	3523.5	3130.8	3032.9
42.5°	9672.5	9158.8	8645.1	7354.3	6063.5	4870.5	3677.9	3326.3	2974.8	2884.6
45°	10794.0	10101.0	9408.0	7768.4	6128.9	4776.9	3425.2	3116.9	2808.6	2717.0
47.5°	12196.4	11221.1	10245.6	8209.7	6173.7	4699.7	3225.6	2951.2	2676.7	2558.7
50°	14034.6	12564.2	11093.7	8619.1	6144.4	4615.5	3086.5	2841.2	2595.8	2440.6
52.5°	16144.7	13975.1	11805.5	8884.9	5964.1	4473.2	2982.5	2768.7	2555.0	2376.5
55°	18391.2	15226.0	12060.9	8826.3	5591.5	4237.4	2883.3	2716.1	2549.0	2382.9
57.5°	20434.5	16112.5	11790.5	8414.0	5037.7	3904.9	2772.0	2653.9	2535.8	2389.3
60°	21669.4	16334.0	10998.5	7646.7	4294.9	3473.2	2651.5	2558.7	2465.8	2369.2
62.5°	21042.3	15401.2	9760.1	6609.1	3458.2	2956.5	2454.8	2393.1	2331.6	2319.7
65°	19787.2	14081.3	8375.4	5550.5	2725.8	2491.6	2257.5	2228.4	2199.3	2200.7
67.5°	18105.6	12510.6	6915.6	4513.5	2111.4	2044.9	1978.3	1994.6	2010.7	2006.6
70°	16085.2	10796.7	5508.2	3553.7	1599.3	1618.3	1637.2	1712.6	1787.9	1787.9
72.5°	13677.6	8938.7	4200.0	2716.8	1233.6	1291.0	1348.4	1455.4	1562.1	1580.0
75°	10631.9	6808.9	2985.8	1971.9	957.9	1009.9	1061.9	1181.7	1301.4	1384.1
77.5°	7596.3	4765.6	1934.9	1336.2	737.5	772.8	808.3	924.6	1040.9	1177.3
80°	4971.8	3070.4	1169.0	860.9	552.9	567.6	582.2	680.7	779.0	942.0
82.5°	2890.0	1777.1	664.2	529.5	395.1	397.7	400.6	473.1	545.6	684.7
85°	1271.5	799.4	327.4	283.1	238.9	237.6	236.2	289.3	342.4	445.8
87.5°	393.6	261.8	130.0	117.4	104.7	103.4	102.2	123.8	145.6	188.6
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°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
4721.5	2.5°	4686.3	4651.4	4619.7	4588.2	4560.5	4532.9	4505.1	4477.4	4456.0	4434.4
4679.7	5°	4613.5	4547.0	4491.3	4435.9	4386.8	4337.7	4293.2	4248.6	4214.3	4179.9
4664.7	7.5°	4576.5	4488.4	4415.2	4341.9	4280.2	4218.3	4163.8	4109.4	4068.6	4027.9
4672.0	10°	4579.0	4486.0	4412.8	4339.6	4273.1	4206.4	4145.1	4083.8	4035.1	3986.2
4681.2	12.5°	4605.0	4529.2	4480.5	4432.2	4379.8	4327.8	4264.3	4201.0	4138.7	4076.5
4642.2	15°	4605.8	4569.5	4576.1	4582.7	4569.1	4555.6	4500.5	4445.4	4356.8	4268.1
4523.2	17.5°	4536.6	4549.7	4629.6	4709.4	4751.9	4794.2	4749.7	4705.4	4588.0	4470.6
4329.1	20°	4391.4	4453.6	4592.2	4731.0	4819.8	4908.6	4888.1	4867.4	4733.2	4599.2
4108.9	22.5°	4201.0	4293.0	4451.2	4609.8	4725.3	4840.8	4853.3	4865.6	4737.4	4609.2
3895.2	25°	4001.4	4107.6	4249.8	4392.3	4506.0	4619.7	4662.2	4704.4	4599.4	4494.4
3708.4	27.5°	3811.0	3913.5	4030.5	4147.3	4238.5	4329.7	4376.9	4424.3	4349.4	4274.7
3544.2	30°	3625.5	3707.2	3804.2	3901.2	3976.9	4052.7	4091.1	4129.6	4072.6	4015.5
3400.3	32.5°	3448.5	3496.6	3574.1	3651.7	3724.2	3796.9	3839.5	3882.4	3830.0	3777.5
3264.5	35°	3277.6	3291.0	3350.1	3409.1	3480.9	3552.8	3604.1	3655.4	3618.0	3580.8
3122.0	37.5°	3107.4	3092.7	3135.2	3177.5	3249.1	3320.9	3384.2	3447.5	3430.3	3413.1
2966.0	40°	2932.9	2899.7	2930.3	2960.9	3030.1	3099.3	3172.2	3245.2	3249.4	3253.5
2800.3	42.5°	2756.4	2712.4	2737.3	2762.4	2828.0	2893.7	2972.4	3051.2	3072.2	3093.3
2635.6	45°	2592.7	2550.0	2570.9	2592.2	2654.4	2716.7	2798.3	2880.0	2910.2	2940.4
2488.5	47.5°	2452.6	2416.8	2436.5	2456.1	2517.1	2577.9	2658.4	2739.0	2773.8	2808.6
2359.1	50°	2327.2	2295.6	2326.3	2357.3	2414.7	2472.1	2544.2	2616.3	2661.0	2705.7
2262.6	52.5°	2231.1	2199.8	2246.1	2292.3	2345.0	2397.5	2464.7	2532.1	2585.0	2637.9
2211.3	55°	2161.5	2111.9	2177.6	2243.2	2300.0	2356.7	2415.7	2474.4	2530.5	2586.7
2180.6	57.5°	2108.1	2035.6	2106.2	2176.9	2243.6	2310.2	2368.4	2426.8	2483.4	2539.8
2151.7	60°	2057.7	1963.6	2025.7	2087.6	2164.1	2240.6	2299.8	2359.1	2415.8	2472.6
2118.0	62.5°	2000.4	1883.1	1922.4	1961.8	2051.0	2140.3	2203.5	2266.6	2318.6	2370.6
2046.9	65°	1922.1	1797.0	1812.2	1827.2	1922.8	2018.5	2079.0	2139.4	2185.2	2230.9
1920.2	67.5°	1816.2	1712.2	1707.5	1702.7	1791.0	1879.4	1936.7	1993.8	2033.4	2072.9
1759.5	70°	1685.5	1611.5	1595.1	1578.6	1656.2	1733.8	1783.3	1832.7	1868.4	1904.1
1580.4	72.5°	1529.7	1479.0	1454.8	1430.8	1492.0	1553.0	1597.6	1642.3	1677.3	1712.2
1377.2	75°	1338.2	1299.0	1275.9	1252.7	1298.1	1343.5	1384.0	1424.4	1456.3	1488.1
1173.6	77.5°	1142.3	1111.0	1087.5	1064.1	1101.1	1137.9	1172.7	1207.5	1241.0	1274.3
941.4	80°	915.3	888.9	869.3	849.5	880.3	910.9	940.2	969.5	994.9	1020.2
692.4	82.5°	679.6	666.8	652.9	639.0	636.4	633.9	623.6	613.3	667.5	721.7
455.9	85°	442.2	428.4	412.9	397.3	384.1	370.8	342.4	314.0	364.7	415.6
201.4	87.5°	195.9	190.4	187.5	184.6	184.0	183.5	161.8	140.1	161.3	182.7
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
4417.0	2.5°	4399.6	4386.1	4372.5	4360.1	4347.4	4331.9	4347.4	4360.1	4372.5	4386.1
4155.9	5°	4131.9	4114.9	4097.9	4084.9	4071.9	4059.1	4071.9	4084.9	4097.9	4114.9
3999.4	7.5°	3970.8	3951.2	3931.8	3920.1	3908.6	3899.8	3908.6	3920.1	3931.8	3951.2
3954.3	10°	3922.1	3903.6	3885.1	3875.2	3865.4	3861.3	3865.4	3875.2	3885.1	3903.6
4035.3	12.5°	3994.1	3973.4	3952.9	3944.4	3936.0	3934.6	3936.0	3944.4	3952.9	3973.4
4205.5	15°	4142.9	4114.2	4085.6	4074.6	4063.6	4062.7	4063.6	4074.6	4085.6	4114.2
4378.4	17.5°	4286.1	4243.6	4201.0	4187.0	4172.9	4170.7	4172.9	4187.0	4201.0	4243.6
4486.0	20°	4373.1	4318.7	4264.1	4246.7	4229.3	4223.8	4229.3	4246.7	4264.1	4318.7
4492.8	22.5°	4376.2	4318.9	4261.4	4242.1	4222.9	4214.7	4222.9	4242.1	4261.4	4318.9
4390.8	25°	4287.6	4237.8	4188.1	4170.0	4152.1	4141.5	4152.1	4170.0	4188.1	4237.8
4194.4	27.5°	4114.0	4080.7	4047.2	4038.9	4030.7	4027.9	4030.7	4038.9	4047.2	4080.7
3958.0	30°	3900.1	3883.1	3865.9	3865.9	3865.9	3868.6	3865.9	3865.9	3865.9	3883.1
3731.5	32.5°	3685.6	3674.4	3663.2	3664.7	3666.3	3669.1	3666.3	3664.7	3663.2	3674.4
3538.4	35°	3496.1	3479.0	3462.2	3458.5	3454.9	3453.0	3454.9	3458.5	3462.2	3479.0
3374.1	37.5°	3334.9	3304.0	3273.2	3257.0	3240.7	3231.5	3240.7	3257.0	3273.2	3304.0
3220.3	40°	3187.2	3142.2	3097.5	3067.1	3037.1	3019.1	3037.1	3067.1	3097.5	3142.2
3065.3	42.5°	3037.4	2981.6	2925.7	2881.6	2837.5	2808.6	2837.5	2881.6	2925.7	2981.6
2915.1	45°	2890.0	2826.1	2762.4	2710.6	2658.8	2625.5	2658.8	2710.6	2762.4	2826.1
2791.0	47.5°	2773.4	2716.7	2659.9	2611.9	2564.1	2532.1	2564.1	2611.9	2659.9	2716.7
2704.6	50°	2703.8	2658.4	2613.0	2568.7	2524.4	2493.7	2524.4	2568.7	2613.0	2658.4
2647.5	52.5°	2657.0	2620.0	2583.0	2543.3	2503.7	2475.4	2503.7	2543.3	2583.0	2620.0
2599.8	55°	2613.0	2580.8	2548.6	2513.8	2479.0	2453.4	2479.0	2513.8	2548.6	2580.8
2553.2	57.5°	2566.5	2533.9	2501.3	2466.9	2432.3	2405.8	2432.3	2466.9	2501.3	2533.9
2487.3	60°	2501.9	2470.0	2438.4	2402.8	2367.3	2339.9	2367.3	2402.8	2438.4	2470.0
2384.7	62.5°	2398.8	2370.1	2341.3	2304.0	2266.6	2233.7	2266.6	2304.0	2341.3	2370.1
2245.4	65°	2259.7	2232.0	2204.4	2168.1	2132.1	2103.7	2132.1	2168.1	2204.4	2232.0
2087.0	67.5°	2100.9	2075.5	2050.2	2016.5	1982.8	1957.2	1982.8	2016.5	2050.2	2075.5
1917.7	70°	1931.2	1910.5	1889.8	1857.6	1825.4	1796.1	1825.4	1857.6	1889.8	1910.5
1728.4	72.5°	1744.5	1727.3	1710.0	1679.3	1648.7	1620.3	1648.7	1679.3	1710.0	1727.3
1505.0	75°	1521.8	1513.4	1505.0	1479.2	1453.4	1426.3	1453.4	1479.2	1505.0	1513.4
1290.0	77.5°	1305.8	1294.1	1282.0	1256.0	1230.0	1208.4	1230.0	1256.0	1282.0	1294.1
1041.0	80°	1061.9	1056.8	1051.8	1016.9	981.7	941.1	981.7	1016.9	1051.8	1056.8
757.3	82.5°	792.8	790.6	788.2	758.7	729.1	703.1	729.1	758.7	788.2	790.6
459.6	85°	503.5	499.8	496.2	473.1	450.0	426.6	450.0	473.1	496.2	499.8
200.5	87.5°	218.2	213.8	209.1	197.4	185.3	173.9	185.3	197.4	209.1	213.8
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°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
4399.6	2.5°	4417.0	4434.4	4456.0	4477.4	4505.1	4532.9	4560.5	4588.2	4619.7	4651.4
4131.9	5°	4155.9	4179.9	4214.3	4248.6	4293.2	4337.7	4386.8	4435.9	4491.3	4547.0
3970.8	7.5°	3999.4	4027.9	4068.6	4109.4	4163.8	4218.3	4280.2	4341.9	4415.2	4488.4
3922.1	10°	3954.3	3986.2	4035.1	4083.8	4145.1	4206.4	4273.1	4339.6	4412.8	4486.0
3994.1	12.5°	4035.3	4076.5	4138.7	4201.0	4264.3	4327.8	4379.8	4432.2	4480.5	4529.2
4142.9	15°	4205.5	4268.1	4356.8	4445.4	4500.5	4555.6	4569.1	4582.7	4576.1	4569.5
4286.1	17.5°	4378.4	4470.6	4588.0	4705.4	4749.7	4794.2	4751.9	4709.4	4629.6	4549.7
4373.1	20°	4486.0	4599.2	4733.2	4867.4	4888.1	4908.6	4819.8	4731.0	4592.2	4453.6
4376.2	22.5°	4492.8	4609.2	4737.4	4865.6	4853.3	4840.8	4725.3	4609.8	4451.2	4293.0
4287.6	25°	4390.8	4494.4	4599.4	4704.4	4662.2	4619.7	4506.0	4392.3	4249.8	4107.6
4114.0	27.5°	4194.4	4274.7	4349.4	4424.3	4376.9	4329.7	4238.5	4147.3	4030.5	3913.5
3900.1	30°	3958.0	4015.5	4072.6	4129.6	4091.1	4052.7	3976.9	3901.2	3804.2	3707.2
3685.6	32.5°	3731.5	3777.5	3830.0	3882.4	3839.5	3796.9	3724.2	3651.7	3574.1	3496.6
3496.1	35°	3538.4	3580.8	3618.0	3655.4	3604.1	3552.8	3480.9	3409.1	3350.1	3291.0
3334.9	37.5°	3374.1	3413.1	3430.3	3447.5	3384.2	3320.9	3249.1	3177.5	3135.2	3092.7
3187.2	40°	3220.3	3253.5	3249.4	3245.2	3172.2	3099.3	3030.1	2960.9	2930.3	2899.7
3037.4	42.5°	3065.3	3093.3	3072.2	3051.2	2972.4	2893.7	2828.0	2762.4	2737.3	2712.4
2890.0	45°	2915.1	2940.4	2910.2	2880.0	2798.3	2716.7	2654.4	2592.2	2570.9	2550.0
2773.4	47.5°	2791.0	2808.6	2773.8	2739.0	2658.4	2577.9	2517.1	2456.1	2436.5	2416.8
2703.8	50°	2704.6	2705.7	2661.0	2616.3	2544.2	2472.1	2414.7	2357.3	2326.3	2295.6
2657.0	52.5°	2647.5	2637.9	2585.0	2532.1	2464.7	2397.5	2345.0	2292.3	2246.1	2199.8
2613.0	55°	2599.8	2586.7	2530.5	2474.4	2415.7	2356.7	2300.0	2243.2	2177.6	2111.9
2566.5	57.5°	2553.2	2539.8	2483.4	2426.8	2368.4	2310.2	2243.6	2176.9	2106.2	2035.6
2501.9	60°	2487.3	2472.6	2415.8	2359.1	2299.8	2240.6	2164.1	2087.6	2025.7	1963.6
2398.8	62.5°	2384.7	2370.6	2318.6	2266.6	2203.5	2140.3	2051.0	1961.8	1922.4	1883.1
2259.7	65°	2245.4	2230.9	2185.2	2139.4	2079.0	2018.5	1922.8	1827.2	1812.2	1797.0
2100.9	67.5°	2087.0	2072.9	2033.4	1993.8	1936.7	1879.4	1791.0	1702.7	1707.5	1712.2
1931.2	70°	1917.7	1904.1	1868.4	1832.7	1783.3	1733.8	1656.2	1578.6	1595.1	1611.5
1744.5	72.5°	1728.4	1712.2	1677.3	1642.3	1597.6	1553.0	1492.0	1430.8	1454.8	1479.0
1521.8	75°	1505.0	1488.1	1456.3	1424.4	1384.0	1343.5	1298.1	1252.7	1275.9	1299.0
1305.8	77.5°	1290.0	1274.3	1241.0	1207.5	1172.7	1137.9	1101.1	1064.1	1087.5	1111.0
1061.9	80°	1041.0	1020.2	994.9	969.5	940.2	910.9	880.3	849.5	869.3	888.9
792.8	82.5°	757.3	721.7	667.5	613.3	623.6	633.9	636.4	639.0	652.9	666.8
503.5	85°	459.6	415.6	364.7	314.0	342.4	370.8	384.1	397.3	412.9	428.4
218.2	87.5°	200.5	182.7	161.3	140.1	161.8	183.5	184.0	184.6	187.5	190.4
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
4686.3	2.5°	4721.5	4764.9	4803.9	4844.1	4884.4	4926.5	4968.6	5010.4	5052.3	5091.7
4613.5	5°	4679.7	4755.7	4832.6	4914.1	4995.6	5082.7	5170.0	5256.6	5343.4	5430.4
4576.5	7.5°	4664.7	4763.0	4867.9	4981.6	5095.3	5224.4	5353.5	5486.0	5618.6	5762.0
4579.0	10°	4672.0	4777.7	4907.1	5041.9	5176.3	5333.2	5489.9	5664.9	5840.1	6021.6
4605.0	12.5°	4681.2	4779.5	4915.5	5067.7	5219.8	5404.8	5589.7	5788.1	5986.6	6185.8
4605.8	15°	4642.2	4720.9	4871.6	5047.7	5223.9	5436.8	5649.7	5865.0	6080.4	6288.2
4536.6	17.5°	4523.2	4571.7	4748.9	4960.8	5172.6	5419.8	5666.9	5901.8	6136.7	6347.5
4391.4	20°	4329.1	4341.9	4548.3	4810.8	5073.4	5372.9	5672.4	5930.6	6188.7	6407.9
4201.0	22.5°	4108.9	4083.8	4318.7	4634.9	4951.1	5315.4	5679.8	5969.4	6258.9	6482.8
4001.4	25°	3895.2	3827.5	4068.2	4438.4	4808.8	5258.7	5708.7	6039.7	6370.5	6589.7
3811.0	27.5°	3708.4	3626.1	3845.2	4258.8	4672.4	5220.8	5769.1	6149.6	6529.8	6739.1
3625.5	30°	3544.2	3479.6	3663.6	4108.7	4553.8	5203.0	5851.9	6291.8	6731.8	6933.7
3448.5	32.5°	3400.3	3371.6	3519.9	3979.2	4438.4	5181.0	5923.3	6440.3	6957.3	7157.3
3277.6	35°	3264.5	3276.4	3399.9	3852.0	4304.0	5139.6	5975.6	6609.5	7243.3	7435.0
3107.4	37.5°	3122.0	3165.6	3273.6	3702.2	4130.8	5068.8	6006.8	6799.0	7591.2	7835.4
2932.9	40°	2966.0	3032.9	3130.8	3523.5	3916.3	4971.2	6026.3	7039.6	8052.6	8408.5
2756.4	42.5°	2800.3	2884.6	2974.8	3326.3	3677.9	4870.5	6063.5	7354.3	8645.1	9158.8
2592.7	45°	2635.6	2717.0	2808.6	3116.9	3425.2	4776.9	6128.9	7768.4	9408.0	10101.0
2452.6	47.5°	2488.5	2558.7	2676.7	2951.2	3225.6	4699.7	6173.7	8209.7	10245.6	11221.1
2327.2	50°	2359.1	2440.6	2595.8	2841.2	3086.5	4615.5	6144.4	8619.1	11093.7	12564.2
2231.1	52.5°	2262.6	2376.5	2555.0	2768.7	2982.5	4473.2	5964.1	8884.9	11805.5	13975.1
2161.5	55°	2211.3	2382.9	2549.0	2716.1	2883.3	4237.4	5591.5	8826.3	12060.9	15226.0
2108.1	57.5°	2180.6	2389.3	2535.8	2653.9	2772.0	3904.9	5037.7	8414.0	11790.5	16112.5
2057.7	60°	2151.7	2369.2	2465.8	2558.7	2651.5	3473.2	4294.9	7646.7	10998.5	16334.0
2000.4	62.5°	2118.0	2319.7	2331.6	2393.1	2454.8	2956.5	3458.2	6609.1	9760.1	15401.2
1922.1	65°	2046.9	2200.7	2199.3	2228.4	2257.5	2491.6	2725.8	5550.5	8375.4	14081.3
1816.2	67.5°	1920.2	2006.6	2010.7	1994.6	1978.3	2044.9	2111.4	4513.5	6915.6	12510.6
1685.5	70°	1759.5	1787.9	1787.9	1712.6	1637.2	1618.3	1599.3	3553.7	5508.2	10796.7
1529.7	72.5°	1580.4	1580.0	1562.1	1455.4	1348.4	1291.0	1233.6	2716.8	4200.0	8938.7
1338.2	75°	1377.2	1384.1	1301.4	1181.7	1061.9	1009.9	957.9	1971.9	2985.8	6808.9
1142.3	77.5°	1173.6	1177.3	1040.9	924.6	808.3	772.8	737.5	1336.2	1934.9	4765.6
915.3	80°	941.4	942.0	779.0	680.7	582.2	567.6	552.9	860.9	1169.0	3070.4
679.6	82.5°	692.4	684.7	545.6	473.1	400.6	397.7	395.1	529.5	664.2	1777.1
442.2	85°	455.9	445.8	342.4	289.3	236.2	237.6	238.9	283.1	327.4	799.4
195.9	87.5°	201.4	188.6	145.6	123.8	102.2	103.4	104.7	117.4	130.0	261.8
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
5131.0	2.5°	5150.4	5170.0	5197.7	5225.3	5241.8	5258.3	5266.5	5274.8	5271.1	5274.8
5517.4	5°	5585.3	5653.4	5720.8	5788.3	5824.9	5861.6	5883.7	5906.1	5922.9	5906.1
5905.5	7.5°	6016.1	6126.5	6225.9	6325.3	6385.2	6445.1	6477.5	6509.7	6525.3	6509.7
6203.0	10°	6333.7	6464.5	6581.1	6697.7	6768.4	6838.7	6870.2	6901.5	6913.4	6901.5
6385.2	12.5°	6526.9	6668.4	6773.9	6879.0	6930.2	6981.5	6998.7	7015.9	7017.8	7015.9
6496.0	15°	6618.3	6740.4	6806.5	6872.8	6874.6	6876.4	6858.1	6839.8	6818.2	6839.8
6558.2	17.5°	6640.8	6723.4	6724.6	6725.7	6651.6	6577.4	6509.5	6441.4	6393.4	6441.4
6626.9	20°	6655.6	6684.5	6597.6	6510.6	6346.9	6183.2	6064.1	5944.9	5871.6	5944.9
6706.5	22.5°	6668.8	6631.1	6450.9	6270.8	6030.0	5789.2	5640.2	5491.2	5410.3	5491.2
6809.0	25°	6690.0	6571.0	6297.5	6024.0	5731.6	5439.2	5282.5	5126.1	5049.6	5126.1
6948.2	27.5°	6735.4	6522.5	6160.2	5798.0	5474.0	5149.9	4995.7	4841.8	4769.4	4841.8
7135.9	30°	6818.6	6501.5	6055.5	5609.5	5271.8	4934.2	4791.2	4648.2	4580.9	4648.2
7357.4	32.5°	6922.9	6488.6	5984.0	5479.5	5162.2	4844.9	4732.6	4620.2	4571.7	4620.2
7626.5	35°	7094.8	6563.3	6037.5	5511.9	5291.4	5071.2	5045.0	5018.8	5014.8	5018.8
8079.7	37.5°	7454.2	6828.8	6351.0	5873.1	5858.8	5844.5	5964.3	6084.0	6146.3	6084.0
8764.4	40°	8084.3	7404.1	7048.7	6693.3	6944.2	7195.0	7486.1	7777.2	7922.2	7777.2
9672.5	42.5°	8997.7	8322.8	8118.1	7913.4	8460.5	9007.6	9537.1	10066.5	10377.4	10066.5
10794.0	45°	10187.7	9581.4	9491.1	9400.7	10277.1	11153.7	12023.8	12894.0	13422.2	12894.0
12196.4	47.5°	11606.7	11016.8	10998.5	10980.2	12244.6	13508.6	14782.3	16055.9	16803.8	16055.9
14034.6	50°	13306.1	12577.8	12580.9	12584.0	14213.5	15843.0	17524.3	19205.6	20222.1	19205.6
16144.7	52.5°	15262.6	14380.6	14291.5	14202.1	16148.5	18095.0	20175.2	22255.3	23473.7	22255.3
18391.2	55°	17519.7	16648.2	16300.5	15952.8	18119.1	20285.2	22765.2	25245.1	26694.2	25245.1
20434.5	57.5°	19959.9	19485.1	18787.8	18090.6	20277.9	22465.3	25274.2	28083.0	29880.0	28083.0
21669.4	60°	22406.5	23143.8	22277.8	21411.8	23481.8	25551.8	28559.2	31566.6	33508.8	31566.6
21042.3	62.5°	23056.5	25070.6	24973.0	24875.3	26771.5	28667.9	31529.2	34390.3	36185.5	34390.3
19787.2	65°	21677.6	23568.0	23942.1	24315.9	26725.7	29135.7	31910.2	34684.6	36213.0	34684.6
18105.6	67.5°	19903.5	21701.4	21876.8	22052.0	24562.9	27073.6	29860.0	32646.4	33843.8	32646.4
16085.2	70°	18040.8	19996.5	20074.9	20153.4	22398.8	24644.0	27041.9	29439.6	30105.2	29439.6
13677.6	72.5°	15921.7	18166.0	18222.4	18278.6	20035.3	21792.1	23588.0	25383.7	25451.1	25383.7
10631.9	75°	12954.6	15277.2	15485.8	15694.3	17061.1	18427.8	19692.0	20956.3	20617.5	20956.3
7596.3	77.5°	9764.5	11932.8	12231.2	12529.6	13568.7	14607.7	15504.3	16401.0	15818.8	16401.0
4971.8	80°	6795.9	8619.8	8990.7	9361.7	10146.4	10930.7	11401.6	11872.3	10935.8	11872.3
2890.0	82.5°	4137.1	5384.3	5798.6	6213.1	6753.2	7293.3	7489.8	7686.0	6950.0	7686.0
1271.5	85°	1933.4	2595.3	2947.7	3300.2	3744.0	4187.6	4299.1	4410.6	3821.0	4410.6
393.6	87.5°	616.1	838.5	1035.2	1231.8	1453.7	1675.6	1685.1	1694.5	1422.6	1694.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
4771.3	0°	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3	4771.3
5266.5	2.5°	5258.3	5241.8	5225.3	5197.7	5170.0	5150.4	5131.0
5883.7	5°	5861.6	5824.9	5788.3	5720.8	5653.4	5585.3	5517.4
6477.5	7.5°	6445.1	6385.2	6325.3	6225.9	6126.5	6016.1	5905.5
6870.2	10°	6838.7	6768.4	6697.7	6581.1	6464.5	6333.7	6203.0
6998.7	12.5°	6981.5	6930.2	6879.0	6773.9	6668.4	6526.9	6385.2
6858.1	15°	6876.4	6874.6	6872.8	6806.5	6740.4	6618.3	6496.0
6509.5	17.5°	6577.4	6651.6	6725.7	6724.6	6723.4	6640.8	6558.2
6064.1	20°	6183.2	6346.9	6510.6	6597.6	6684.5	6655.6	6626.9
5640.2	22.5°	5789.2	6030.0	6270.8	6450.9	6631.1	6668.8	6706.5
5282.5	25°	5439.2	5731.6	6024.0	6297.5	6571.0	6690.0	6809.0
4995.7	27.5°	5149.9	5474.0	5798.0	6160.2	6522.5	6735.4	6948.2
4791.2	30°	4934.2	5271.8	5609.5	6055.5	6501.5	6818.6	7135.9
4732.6	32.5°	4844.9	5162.2	5479.5	5984.0	6488.6	6922.9	7357.4
5045.0	35°	5071.2	5291.4	5511.9	6037.5	6563.3	7094.8	7626.5
5964.3	37.5°	5844.5	5858.8	5873.1	6351.0	6828.8	7454.2	8079.7
7486.1	40°	7195.0	6944.2	6693.3	7048.7	7404.1	8084.3	8764.4
9537.1	42.5°	9007.6	8460.5	7913.4	8118.1	8322.8	8997.7	9672.5
12023.8	45°	11153.7	10277.1	9400.7	9491.1	9581.4	10187.7	10794.0
14782.3	47.5°	13508.6	12244.6	10980.2	10998.5	11016.8	11606.7	12196.4
17524.3	50°	15843.0	14213.5	12584.0	12580.9	12577.8	13306.1	14034.6
20175.2	52.5°	18095.0	16148.5	14202.1	14291.5	14380.6	15262.6	16144.7
22765.2	55°	20285.2	18119.1	15952.8	16300.5	16648.2	17519.7	18391.2
25274.2	57.5°	22465.3	20277.9	18090.6	18787.8	19485.1	19959.9	20434.5
28559.2	60°	25551.8	23481.8	21411.8	22277.8	23143.8	22406.5	21669.4
31529.2	62.5°	28667.9	26771.5	24875.3	24973.0	25070.6	23056.5	21042.3
31910.2	65°	29135.7	26725.7	24315.9	23942.1	23568.0	21677.6	19787.2
29860.0	67.5°	27073.6	24562.9	22052.0	21876.8	21701.4	19903.5	18105.6
27041.9	70°	24644.0	22398.8	20153.4	20074.9	19996.5	18040.8	16085.2
23588.0	72.5°	21792.1	20035.3	18278.6	18222.4	18166.0	15921.7	13677.6
19692.0	75°	18427.8	17061.1	15694.3	15485.8	15277.2	12954.6	10631.9
15504.3	77.5°	14607.7	13568.7	12529.6	12231.2	11932.8	9764.5	7596.3
11401.6	80°	10930.7	10146.4	9361.7	8990.7	8619.8	6795.9	4971.8
7489.8	82.5°	7293.3	6753.2	6213.1	5798.6	5384.3	4137.1	2890.0
4299.1	85°	4187.6	3744.0	3300.2	2947.7	2595.3	1933.4	1271.5
1685.1	87.5°	1675.6	1453.7	1231.8	1035.2	838.5	616.1	393.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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