

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: P955699

Luminaire Tested: **GALN-SB8C-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955699
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-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 52471 lumens
Efficiency: N/A
Efficacy: 131.2 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

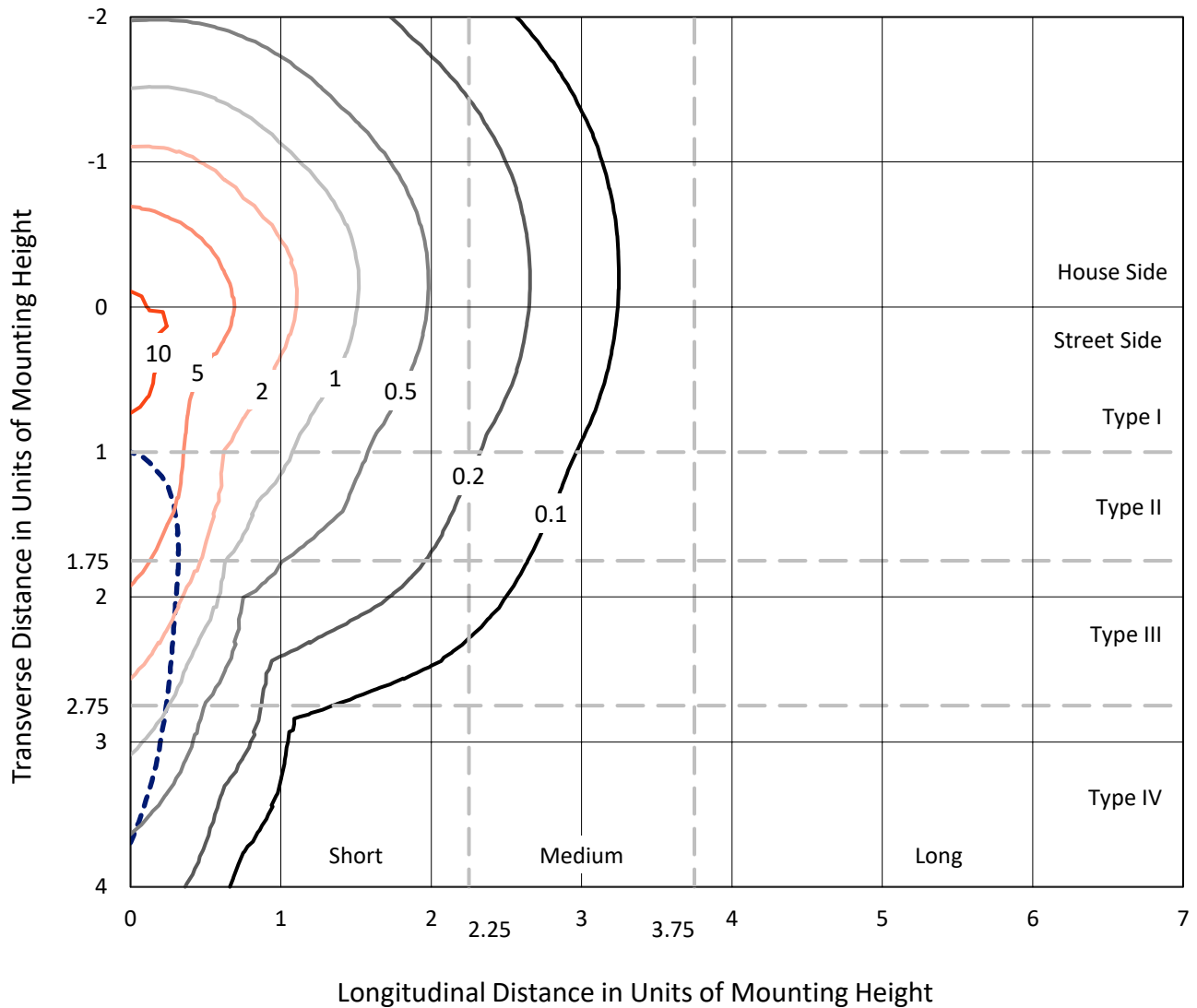
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

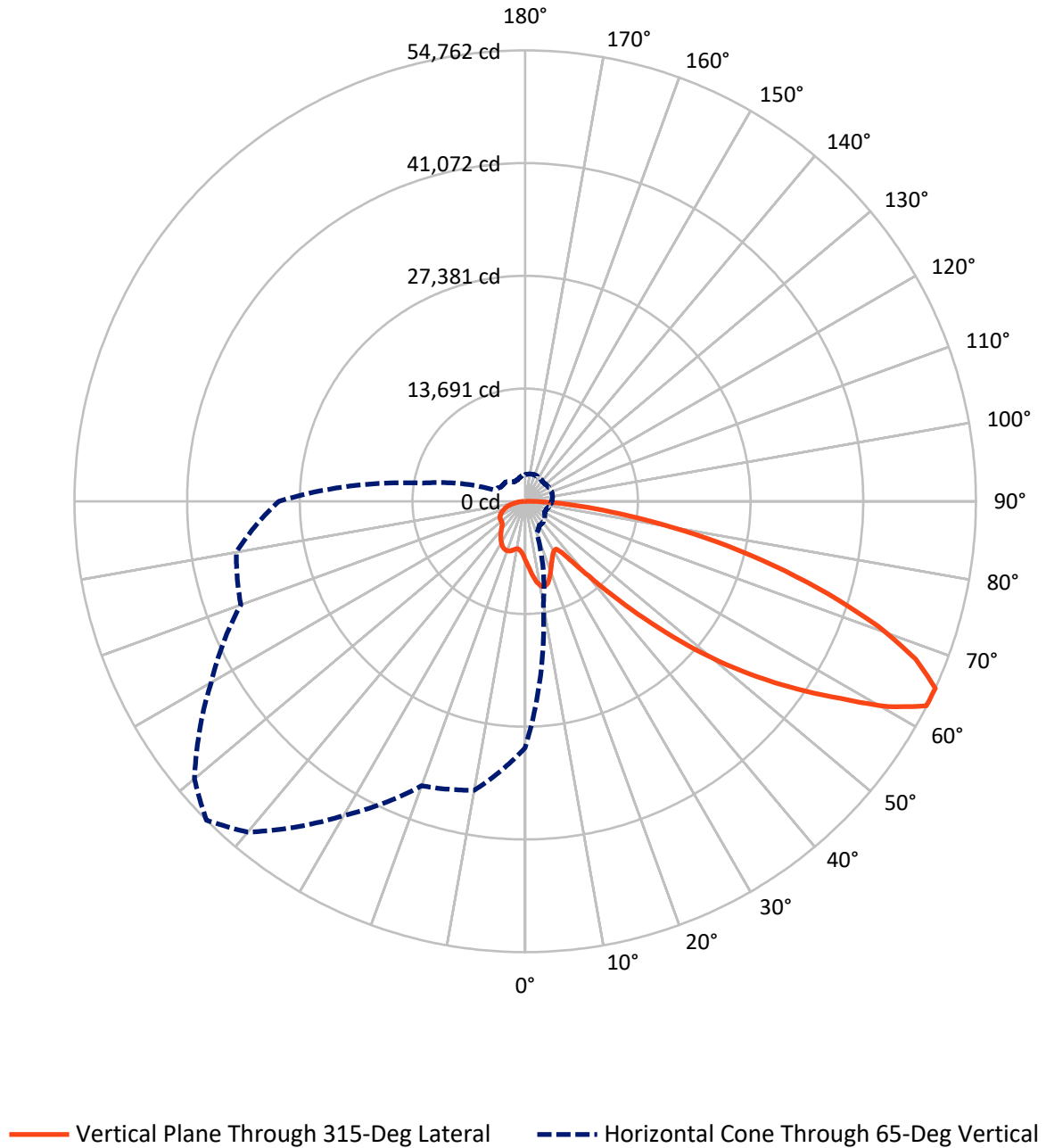
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 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	13335.5	0.0	13335.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	39135.5	0.0	39135.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	52471.0	0.0	52471.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.7	1.4
10°-20°	2246.9	4.3
20°-30°	3470.6	6.6
30°-40°	4398.2	8.4
40°-50°	6633.5	12.6
50°-60°	10717.5	20.4
60°-70°	13361.0	25.5
70°-80°	8761.5	16.7
80°-90°	2166.1	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°	52471.0	100.0
0°-180°	52471.0	100.0



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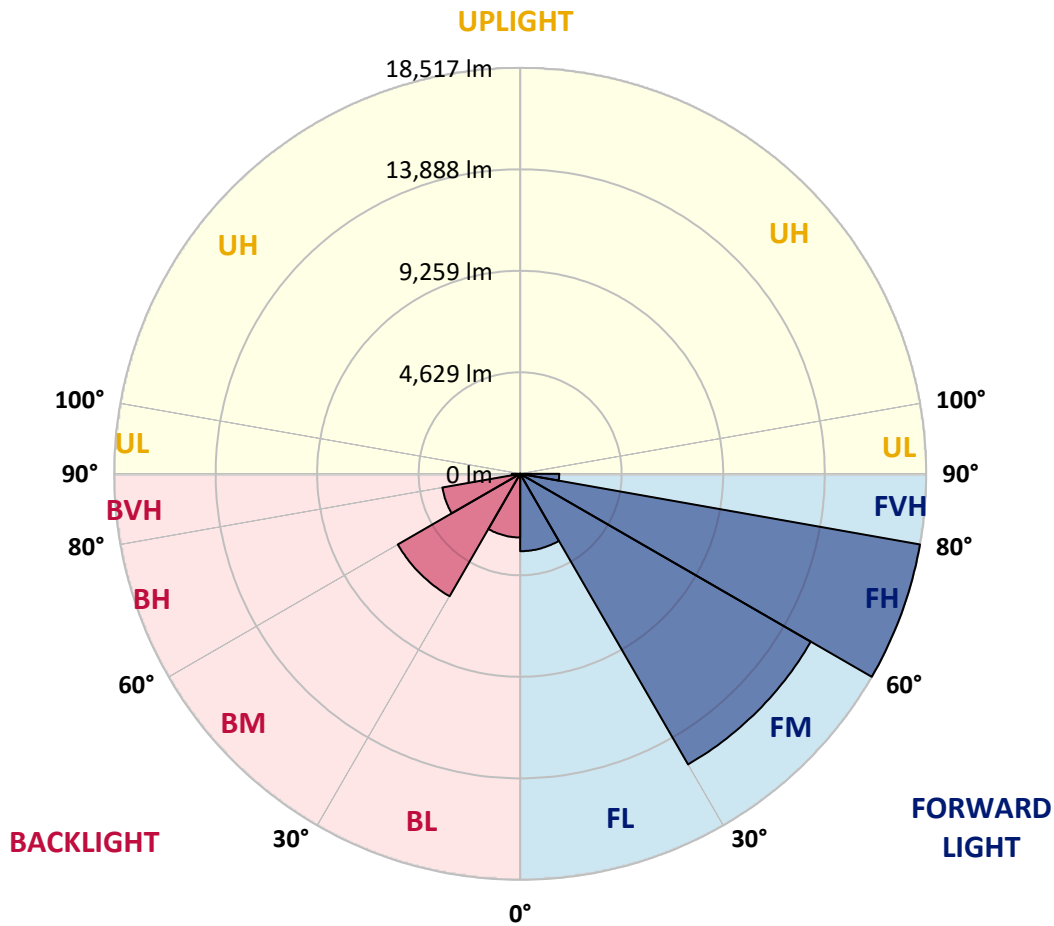
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3529.3	6.7			
FM (30°-60°)	15304.6	29.2			
FH (60°-80°)	18517.2	35.3			G5
FVH (80°-90°)	1784.4	3.4			G5
BL (0°-30°)	2904.0	5.5	B4/5000		
BM (30°-60°)	6444.5	12.3	B4/8500		
BH (60°-80°)	3605.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	381.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
2.5°	7759.3	7699.7	7640.2	7576.8	7513.7	7450.0	7386.3	7325.4	7264.5	7205.5
5°	8343.5	8211.9	8080.4	7949.2	7818.2	7686.2	7554.4	7431.2	7308.0	7191.7
7.5°	8930.4	8713.4	8496.6	8296.1	8095.7	7900.5	7705.3	7533.3	7361.4	7202.8
10°	9380.3	9106.0	8831.6	8566.6	8301.9	8064.9	7827.6	7624.4	7420.7	7224.9
12.5°	9655.8	9354.3	9053.1	8752.9	8452.8	8173.2	7893.5	7663.5	7433.4	7227.7
15°	9823.3	9509.1	9194.8	8869.2	8543.6	8221.6	7899.6	7633.3	7366.9	7139.1
17.5°	9917.5	9598.8	9280.1	8924.9	8569.7	8195.9	7822.1	7501.8	7181.4	6913.4
20°	10021.3	9690.1	9358.7	8968.4	8578.0	8125.0	7672.0	7275.0	6878.0	6566.0
22.5°	10141.7	9803.4	9464.8	9027.0	8589.0	8038.1	7487.1	7008.9	6530.8	6175.6
25°	10296.8	9965.1	9633.7	9133.4	8632.8	7952.2	7272.0	6711.9	6152.0	5788.0
27.5°	10507.2	10191.0	9874.5	9299.5	8724.2	7894.9	7065.7	6440.3	5814.8	5483.4
30°	10791.0	10485.3	10179.9	9514.6	8849.3	7868.1	6886.3	6213.2	5540.2	5261.9
32.5°	11126.0	10823.4	10521.0	9739.2	8957.3	7834.8	6711.9	6017.5	5322.8	5098.5
35°	11533.0	11243.4	10953.5	9995.0	9036.5	7772.3	6508.6	5825.1	5141.5	4954.6
37.5°	12218.2	11848.9	11479.6	10281.5	9083.5	7665.1	6246.7	5598.6	4950.4	4787.1
40°	13253.7	12715.5	12177.3	10645.3	9113.2	7517.6	5922.2	5328.4	4734.5	4586.3
42.5°	14627.0	13850.1	13073.2	11121.3	9169.4	7365.3	5561.8	5030.2	4498.6	4362.1
45°	16322.8	15274.9	14226.9	11747.6	9268.2	7223.8	5179.7	4713.4	4247.2	4108.7
47.5°	18443.6	16968.8	15493.6	12414.8	9336.0	7107.0	4877.9	4462.9	4047.8	3869.2
50°	21223.4	18999.9	16776.1	13033.9	9291.7	6979.6	4667.5	4296.5	3925.5	3690.7
52.5°	24414.3	21133.4	17852.5	13435.9	9019.0	6764.5	4510.2	4186.8	3863.7	3593.8
55°	27811.5	23025.0	18238.8	13347.3	8455.6	6407.9	4360.1	4107.4	3854.6	3603.5
57.5°	30901.4	24365.6	17829.8	12723.8	7618.1	5905.1	4191.8	4013.2	3834.6	3613.1
60°	32768.9	24700.6	16632.1	11563.4	6494.8	5252.2	4009.6	3869.2	3728.9	3582.7
62.5°	31820.6	23290.0	14759.3	9994.4	5229.5	4470.9	3712.3	3619.0	3525.9	3507.9
65°	29922.7	21294.0	12665.4	8393.6	4122.0	3767.9	3413.8	3369.8	3325.8	3328.0
67.5°	27379.6	18918.8	10457.9	6825.4	3192.9	3092.4	2991.6	3016.2	3040.6	3034.5
70°	24324.4	16327.0	8329.6	5374.0	2418.5	2447.2	2475.8	2589.8	2703.6	2703.6
72.5°	20683.5	13517.3	6351.4	4108.5	1865.5	1952.2	2039.1	2200.8	2362.2	2389.4
75°	16077.8	10296.5	4515.2	2981.9	1448.6	1527.2	1605.8	1786.9	1968.0	2093.1
77.5°	11487.3	7206.6	2926.0	2020.6	1115.2	1168.7	1222.4	1398.2	1574.0	1780.3
80°	7518.4	4643.1	1767.8	1301.8	836.1	858.3	880.4	1029.4	1178.1	1424.5
82.5°	4370.4	2687.3	1004.5	800.7	597.5	601.4	605.8	715.4	825.1	1035.5
85°	1922.9	1208.8	495.0	428.0	361.3	359.4	357.2	437.5	517.7	674.2
87.5°	595.3	395.9	196.6	177.5	158.4	156.4	154.5	187.2	220.1	285.2
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°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7139.9	2.5°	7086.7	7033.9	6986.0	6938.3	6896.5	6854.7	6812.6	6770.8	6738.4	6705.8
7076.8	5°	6976.6	6876.0	6791.9	6708.0	6633.8	6559.6	6492.3	6424.8	6373.0	6320.9
7054.1	7.5°	6920.6	6787.5	6676.7	6566.0	6472.7	6379.1	6296.6	6214.3	6152.6	6091.1
7065.2	10°	6924.5	6783.9	6673.1	6562.4	6461.9	6361.1	6268.3	6175.6	6101.9	6028.0
7079.0	12.5°	6963.8	6849.2	6775.5	6702.5	6623.3	6544.6	6448.6	6352.8	6258.6	6164.5
7020.0	15°	6964.9	6910.1	6920.1	6930.0	6909.6	6889.1	6805.7	6722.4	6588.4	6454.4
6840.1	17.5°	6860.3	6880.2	7000.9	7121.6	7185.9	7249.8	7182.5	7115.5	6938.1	6760.6
6546.6	20°	6640.7	6734.8	6944.4	7154.3	7288.6	7422.9	7391.9	7360.6	7157.6	6955.0
6213.5	22.5°	6352.8	6492.0	6731.2	6971.0	7145.7	7320.4	7339.3	7357.8	7164.0	6970.2
5890.4	25°	6051.0	6211.6	6426.7	6642.1	6814.0	6986.0	7050.2	7114.2	6955.2	6796.6
5608.0	27.5°	5763.0	5918.1	6095.0	6271.6	6409.5	6547.4	6618.8	6690.5	6577.3	6464.3
5359.6	30°	5482.6	5606.0	5752.8	5899.5	6013.9	6128.5	6186.6	6244.8	6158.7	6072.3
5142.0	32.5°	5214.8	5287.7	5404.8	5522.2	5631.8	5741.7	5806.2	5871.0	5791.8	5712.4
4936.6	35°	4956.5	4976.7	5066.2	5155.3	5263.8	5372.6	5450.2	5527.7	5471.2	5415.0
4721.2	37.5°	4699.0	4676.9	4741.1	4805.1	4913.3	5021.9	5117.7	5213.4	5187.4	5161.4
4485.3	40°	4435.2	4385.1	4431.3	4477.5	4582.2	4686.8	4797.0	4907.5	4913.9	4920.0
4234.7	42.5°	4168.3	4101.8	4139.5	4177.4	4276.5	4375.9	4495.0	4614.0	4645.9	4677.7
3985.5	45°	3920.7	3856.2	3887.8	3919.9	4014.1	4108.2	4231.7	4355.2	4400.8	4446.5
3763.2	47.5°	3708.9	3654.7	3684.6	3714.2	3806.4	3898.3	4020.1	4142.0	4194.6	4247.2
3567.5	50°	3519.3	3471.4	3517.9	3564.7	3651.6	3738.3	3847.4	3956.5	4024.0	4091.6
3421.6	52.5°	3373.9	3326.6	3396.6	3466.4	3546.1	3625.6	3727.2	3829.1	3909.1	3989.1
3344.0	55°	3268.7	3193.7	3293.1	3392.2	3478.0	3563.9	3653.0	3741.9	3826.6	3911.6
3297.5	57.5°	3187.9	3078.2	3185.1	3292.0	3392.8	3493.5	3581.6	3669.9	3755.5	3840.7
3253.8	60°	3111.7	2969.4	3063.3	3156.9	3272.6	3388.3	3477.8	3567.5	3653.3	3739.1
3202.8	62.5°	3025.1	2847.6	2907.1	2966.7	3101.5	3236.6	3332.1	3427.6	3506.3	3584.9
3095.4	65°	2906.6	2717.5	2740.5	2763.2	2907.7	3052.5	3143.9	3235.2	3304.4	3373.7
2903.8	67.5°	2746.5	2589.3	2582.1	2574.9	2708.3	2842.1	2928.7	3015.1	3074.9	3134.7
2660.7	70°	2548.9	2437.0	2412.1	2387.2	2504.6	2622.0	2696.7	2771.5	2825.5	2879.4
2389.9	72.5°	2313.2	2236.6	2200.0	2163.7	2256.2	2348.4	2416.0	2483.5	2536.4	2589.3
2082.6	75°	2023.6	1964.4	1929.5	1894.3	1963.0	2031.7	2092.9	2154.0	2202.2	2250.4
1774.7	77.5°	1727.4	1680.0	1644.6	1609.2	1665.1	1720.7	1773.3	1826.0	1876.6	1927.0
1423.7	80°	1384.1	1344.2	1314.6	1284.7	1331.2	1377.4	1421.7	1466.0	1504.5	1542.7
1047.1	82.5°	1027.7	1008.4	987.3	966.3	962.4	958.5	943.0	927.5	1009.5	1091.4
689.4	85°	668.6	647.9	624.3	600.8	580.9	560.7	517.7	474.8	551.5	628.5
304.6	87.5°	296.3	287.9	283.5	279.1	278.3	277.4	244.8	211.8	243.9	276.3
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°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
6679.5	2.5°	6653.2	6632.7	6612.2	6593.4	6574.3	6550.7	6574.3	6593.4	6612.2	6632.7
6284.7	5°	6248.4	6222.6	6196.9	6177.2	6157.6	6138.2	6157.6	6177.2	6196.9	6222.6
6047.9	7.5°	6004.7	5975.1	5945.8	5928.0	5910.6	5897.3	5910.6	5928.0	5945.8	5975.1
5979.8	10°	5931.1	5903.1	5875.2	5860.2	5845.3	5839.2	5845.3	5860.2	5875.2	5903.1
6102.2	12.5°	6039.9	6008.6	5977.6	5964.9	5952.1	5949.9	5952.1	5964.9	5977.6	6008.6
6359.7	15°	6265.0	6221.5	6178.3	6161.7	6145.1	6143.7	6145.1	6161.7	6178.3	6221.5
6621.1	17.5°	6481.5	6417.3	6352.8	6331.7	6310.4	6307.1	6310.4	6331.7	6352.8	6417.3
6783.9	20°	6613.0	6530.8	6448.3	6422.0	6395.7	6387.4	6395.7	6422.0	6448.3	6530.8
6794.1	22.5°	6617.7	6531.1	6444.1	6415.1	6386.0	6373.5	6386.0	6415.1	6444.1	6531.1
6639.9	25°	6483.7	6408.4	6333.4	6306.0	6278.8	6262.8	6278.8	6306.0	6333.4	6408.4
6342.8	27.5°	6221.3	6170.9	6120.2	6107.7	6095.3	6091.1	6095.3	6107.7	6120.2	6170.9
5985.4	30°	5897.9	5872.1	5846.1	5846.1	5846.1	5850.2	5846.1	5846.1	5846.1	5872.1
5642.9	32.5°	5573.4	5556.5	5539.6	5541.8	5544.3	5548.5	5544.3	5541.8	5539.6	5556.5
5350.8	35°	5286.8	5261.1	5235.6	5230.1	5224.5	5221.8	5224.5	5230.1	5235.6	5261.1
5102.4	37.5°	5043.2	4996.4	4949.9	4925.2	4900.6	4886.7	4900.6	4925.2	4949.9	4996.4
4869.9	40°	4819.7	4751.6	4684.1	4638.1	4592.7	4565.6	4592.7	4638.1	4684.1	4751.6
4635.3	42.5°	4593.3	4508.8	4424.4	4357.6	4290.9	4247.2	4290.9	4357.6	4424.4	4508.8
4408.3	45°	4370.4	4273.8	4177.4	4099.1	4020.7	3970.3	4020.7	4099.1	4177.4	4273.8
4220.6	47.5°	4194.0	4108.2	4022.4	3949.8	3877.6	3829.1	3877.6	3949.8	4022.4	4108.2
4089.9	50°	4088.8	4020.1	3951.5	3884.5	3817.5	3771.0	3817.5	3884.5	3951.5	4020.1
4003.5	52.5°	4017.9	3962.0	3906.1	3846.0	3786.2	3743.3	3786.2	3846.0	3906.1	3962.0
3931.5	55°	3951.5	3902.7	3854.0	3801.4	3748.8	3710.0	3748.8	3801.4	3854.0	3902.7
3860.9	57.5°	3881.2	3831.9	3782.6	3730.5	3678.2	3638.1	3678.2	3730.5	3782.6	3831.9
3761.3	60°	3783.4	3735.2	3687.3	3633.6	3579.9	3538.4	3579.9	3633.6	3687.3	3735.2
3606.2	62.5°	3627.5	3584.1	3540.6	3484.1	3427.6	3377.8	3427.6	3484.1	3540.6	3584.1
3395.5	65°	3417.1	3375.3	3333.5	3278.7	3224.1	3181.2	3224.1	3278.7	3333.5	3375.3
3156.0	67.5°	3177.1	3138.6	3100.4	3049.4	2998.5	2959.7	2998.5	3049.4	3100.4	3138.6
2899.9	70°	2920.4	2889.1	2857.8	2809.1	2760.4	2716.1	2760.4	2809.1	2857.8	2889.1
2613.6	72.5°	2638.0	2612.0	2586.0	2539.4	2493.2	2450.3	2493.2	2539.4	2586.0	2612.0
2275.9	75°	2301.3	2288.6	2275.9	2236.8	2197.8	2156.8	2197.8	2236.8	2275.9	2288.6
1950.8	77.5°	1974.6	1956.9	1938.6	1899.3	1860.0	1827.3	1860.0	1899.3	1938.6	1956.9
1574.3	80°	1605.8	1598.1	1590.6	1537.7	1484.6	1423.1	1484.6	1537.7	1590.6	1598.1
1145.1	82.5°	1198.8	1195.5	1191.9	1147.3	1102.5	1063.2	1102.5	1147.3	1191.9	1195.5
694.9	85°	761.4	755.9	750.3	715.4	680.5	645.1	680.5	715.4	750.3	755.9
303.2	87.5°	330.0	323.4	316.2	298.5	280.2	263.0	280.2	298.5	316.2	323.4
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°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
6653.2	2.5°	6679.5	6705.8	6738.4	6770.8	6812.6	6854.7	6896.5	6938.3	6986.0	7033.9
6248.4	5°	6284.7	6320.9	6373.0	6424.8	6492.3	6559.6	6633.8	6708.0	6791.9	6876.0
6004.7	7.5°	6047.9	6091.1	6152.6	6214.3	6296.6	6379.1	6472.7	6566.0	6676.7	6787.5
5931.1	10°	5979.8	6028.0	6101.9	6175.6	6268.3	6361.1	6461.9	6562.4	6673.1	6783.9
6039.9	12.5°	6102.2	6164.5	6258.6	6352.8	6448.6	6544.6	6623.3	6702.5	6775.5	6849.2
6265.0	15°	6359.7	6454.4	6588.4	6722.4	6805.7	6889.1	6909.6	6930.0	6920.1	6910.1
6481.5	17.5°	6621.1	6760.6	6938.1	7115.5	7182.5	7249.8	7185.9	7121.6	7000.9	6880.2
6613.0	20°	6783.9	6955.0	7157.6	7360.6	7391.9	7422.9	7288.6	7154.3	6944.4	6734.8
6617.7	22.5°	6794.1	6970.2	7164.0	7357.8	7339.3	7320.4	7145.7	6971.0	6731.2	6492.0
6483.7	25°	6639.9	6796.6	6955.2	7114.2	7050.2	6986.0	6814.0	6642.1	6426.7	6211.6
6221.3	27.5°	6342.8	6464.3	6577.3	6690.5	6618.8	6547.4	6409.5	6271.6	6095.0	5918.1
5897.9	30°	5985.4	6072.3	6158.7	6244.8	6186.6	6128.5	6013.9	5899.5	5752.8	5606.0
5573.4	32.5°	5642.9	5712.4	5791.8	5871.0	5806.2	5741.7	5631.8	5522.2	5404.8	5287.7
5286.8	35°	5350.8	5415.0	5471.2	5527.7	5450.2	5372.6	5263.8	5155.3	5066.2	4976.7
5043.2	37.5°	5102.4	5161.4	5187.4	5213.4	5117.7	5021.9	4913.3	4805.1	4741.1	4676.9
4819.7	40°	4869.9	4920.0	4913.9	4907.5	4797.0	4686.8	4582.2	4477.5	4431.3	4385.1
4593.3	42.5°	4635.3	4677.7	4645.9	4614.0	4495.0	4375.9	4276.5	4177.4	4139.5	4101.8
4370.4	45°	4408.3	4446.5	4400.8	4355.2	4231.7	4108.2	4014.1	3919.9	3887.8	3856.2
4194.0	47.5°	4220.6	4247.2	4194.6	4142.0	4020.1	3898.3	3806.4	3714.2	3684.6	3654.7
4088.8	50°	4089.9	4091.6	4024.0	3956.5	3847.4	3738.3	3651.6	3564.7	3517.9	3471.4
4017.9	52.5°	4003.5	3989.1	3909.1	3829.1	3727.2	3625.6	3546.1	3466.4	3396.6	3326.6
3951.5	55°	3931.5	3911.6	3826.6	3741.9	3653.0	3563.9	3478.0	3392.2	3293.1	3193.7
3881.2	57.5°	3860.9	3840.7	3755.5	3669.9	3581.6	3493.5	3392.8	3292.0	3185.1	3078.2
3783.4	60°	3761.3	3739.1	3653.3	3567.5	3477.8	3388.3	3272.6	3156.9	3063.3	2969.4
3627.5	62.5°	3606.2	3584.9	3506.3	3427.6	3332.1	3236.6	3101.5	2966.7	2907.1	2847.6
3417.1	65°	3395.5	3373.7	3304.4	3235.2	3143.9	3052.5	2907.7	2763.2	2740.5	2717.5
3177.1	67.5°	3156.0	3134.7	3074.9	3015.1	2928.7	2842.1	2708.3	2574.9	2582.1	2589.3
2920.4	70°	2899.9	2879.4	2825.5	2771.5	2696.7	2622.0	2504.6	2387.2	2412.1	2437.0
2638.0	72.5°	2613.6	2589.3	2536.4	2483.5	2416.0	2348.4	2256.2	2163.7	2200.0	2236.6
2301.3	75°	2275.9	2250.4	2202.2	2154.0	2092.9	2031.7	1963.0	1894.3	1929.5	1964.4
1974.6	77.5°	1950.8	1927.0	1876.6	1826.0	1773.3	1720.7	1665.1	1609.2	1644.6	1680.0
1605.8	80°	1574.3	1542.7	1504.5	1466.0	1421.7	1377.4	1331.2	1284.7	1314.6	1344.2
1198.8	82.5°	1145.1	1091.4	1009.5	927.5	943.0	958.5	962.4	966.3	987.3	1008.4
761.4	85°	694.9	628.5	551.5	474.8	517.7	560.7	580.9	600.8	624.3	647.9
330.0	87.5°	303.2	276.3	243.9	211.8	244.8	277.4	278.3	279.1	283.5	287.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7086.7	2.5°	7139.9	7205.5	7264.5	7325.4	7386.3	7450.0	7513.7	7576.8	7640.2	7699.7
6976.6	5°	7076.8	7191.7	7308.0	7431.2	7554.4	7686.2	7818.2	7949.2	8080.4	8211.9
6920.6	7.5°	7054.1	7202.8	7361.4	7533.3	7705.3	7900.5	8095.7	8296.1	8496.6	8713.4
6924.5	10°	7065.2	7224.9	7420.7	7624.4	7827.6	8064.9	8301.9	8566.6	8831.6	9106.0
6963.8	12.5°	7079.0	7227.7	7433.4	7663.5	7893.5	8173.2	8452.8	8752.9	9053.1	9354.3
6964.9	15°	7020.0	7139.1	7366.9	7633.3	7899.6	8221.6	8543.6	8869.2	9194.8	9509.1
6860.3	17.5°	6840.1	6913.4	7181.4	7501.8	7822.1	8195.9	8569.7	8924.9	9280.1	9598.8
6640.7	20°	6546.6	6566.0	6878.0	7275.0	7672.0	8125.0	8578.0	8968.4	9358.7	9690.1
6352.8	22.5°	6213.5	6175.6	6530.8	7008.9	7487.1	8038.1	8589.0	9027.0	9464.8	9803.4
6051.0	25°	5890.4	5788.0	6152.0	6711.9	7272.0	7952.2	8632.8	9133.4	9633.7	9965.1
5763.0	27.5°	5608.0	5483.4	5814.8	6440.3	7065.7	7894.9	8724.2	9299.5	9874.5	10191.0
5482.6	30°	5359.6	5261.9	5540.2	6213.2	6886.3	7868.1	8849.3	9514.6	10179.9	10485.3
5214.8	32.5°	5142.0	5098.5	5322.8	6017.5	6711.9	7834.8	8957.3	9739.2	10521.0	10823.4
4956.5	35°	4936.6	4954.6	5141.5	5825.1	6508.6	7772.3	9036.5	9995.0	10953.5	11243.4
4699.0	37.5°	4721.2	4787.1	4950.4	5598.6	6246.7	7665.1	9083.5	10281.5	11479.6	11848.9
4435.2	40°	4485.3	4586.3	4734.5	5328.4	5922.2	7517.6	9113.2	10645.3	12177.3	12715.5
4168.3	42.5°	4234.7	4362.1	4498.6	5030.2	5561.8	7365.3	9169.4	11121.3	13073.2	13850.1
3920.7	45°	3985.5	4108.7	4247.2	4713.4	5179.7	7223.8	9268.2	11747.6	14226.9	15274.9
3708.9	47.5°	3763.2	3869.2	4047.8	4462.9	4877.9	7107.0	9336.0	12414.8	15493.6	16968.8
3519.3	50°	3567.5	3690.7	3925.5	4296.5	4667.5	6979.6	9291.7	13033.9	16776.1	18999.9
3373.9	52.5°	3421.6	3593.8	3863.7	4186.8	4510.2	6764.5	9019.0	13435.9	17852.5	21133.4
3268.7	55°	3344.0	3603.5	3854.6	4107.4	4360.1	6407.9	8455.6	13347.3	18238.8	23025.0
3187.9	57.5°	3297.5	3613.1	3834.6	4013.2	4191.8	5905.1	7618.1	12723.8	17829.8	24365.6
3111.7	60°	3253.8	3582.7	3728.9	3869.2	4009.6	5252.2	6494.8	11563.4	16632.1	24700.6
3025.1	62.5°	3202.8	3507.9	3525.9	3619.0	3712.3	4470.9	5229.5	9994.4	14759.3	23290.0
2906.6	65°	3095.4	3328.0	3325.8	3369.8	3413.8	3767.9	4122.0	8393.6	12665.4	21294.0
2746.5	67.5°	2903.8	3034.5	3040.6	3016.2	2991.6	3092.4	3192.9	6825.4	10457.9	18918.8
2548.9	70°	2660.7	2703.6	2703.6	2589.8	2475.8	2447.2	2418.5	5374.0	8329.6	16327.0
2313.2	72.5°	2389.9	2389.4	2362.2	2200.8	2039.1	1952.2	1865.5	4108.5	6351.4	13517.3
2023.6	75°	2082.6	2093.1	1968.0	1786.9	1605.8	1527.2	1448.6	2981.9	4515.2	10296.5
1727.4	77.5°	1774.7	1780.3	1574.0	1398.2	1222.4	1168.7	1115.2	2020.6	2926.0	7206.6
1384.1	80°	1423.7	1424.5	1178.1	1029.4	880.4	858.3	836.1	1301.8	1767.8	4643.1
1027.7	82.5°	1047.1	1035.5	825.1	715.4	605.8	601.4	597.5	800.7	1004.5	2687.3
668.6	85°	689.4	674.2	517.7	437.5	357.2	359.4	361.3	428.0	495.0	1208.8
296.3	87.5°	304.6	285.2	220.1	187.2	154.5	156.4	158.4	177.5	196.6	395.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7759.3	2.5°	7788.6	7818.2	7860.0	7901.9	7926.8	7951.7	7964.1	7976.6	7971.1	7976.6
8343.5	5°	8446.2	8549.2	8651.1	8753.2	8808.6	8864.0	8897.5	8931.3	8956.7	8931.3
8930.4	7.5°	9097.6	9264.6	9414.9	9565.3	9655.8	9746.4	9795.4	9844.1	9867.6	9844.1
9380.3	10°	9578.0	9775.7	9952.1	10128.4	10235.3	10341.6	10389.2	10436.6	10454.6	10436.6
9655.8	12.5°	9870.1	10084.1	10243.6	10402.5	10480.1	10557.6	10583.6	10609.6	10612.4	10609.6
9823.3	15°	10008.3	10192.9	10292.9	10393.1	10395.9	10398.7	10371.0	10343.3	10310.6	10343.3
9917.5	17.5°	10042.3	10167.2	10169.1	10170.8	10058.7	9946.5	9843.8	9740.8	9668.3	9740.8
10021.3	20°	10064.8	10108.5	9977.0	9845.5	9598.0	9350.4	9170.2	8989.9	8879.2	8989.9
10141.7	22.5°	10084.7	10027.7	9755.2	9482.8	9118.7	8754.6	8529.2	8303.9	8181.5	8303.9
10296.8	25°	10116.8	9936.8	9523.2	9109.6	8667.4	8225.2	7988.2	7751.8	7636.1	7751.8
10507.2	27.5°	10185.5	9863.5	9315.5	8767.9	8277.8	7787.8	7554.7	7321.8	7212.4	7321.8
10791.0	30°	10311.2	9831.6	9157.2	8482.7	7972.2	7461.6	7245.4	7029.2	6927.3	7029.2
11126.0	32.5°	10469.0	9812.2	9049.2	8286.1	7806.3	7326.5	7156.8	6986.8	6913.4	6986.8
11533.0	35°	10729.0	9925.2	9130.0	8335.2	8001.8	7668.7	7629.1	7589.5	7583.5	7589.5
12218.2	37.5°	11272.5	10326.7	9604.0	8881.4	8859.8	8838.2	9019.3	9200.4	9294.5	9200.4
13253.7	40°	12225.2	11196.6	10659.2	10121.8	10501.1	10880.4	11320.6	11760.9	11980.1	11760.9
14627.0	42.5°	13606.5	12585.9	12276.4	11966.8	12794.1	13621.4	14422.1	15222.8	15693.0	15222.8
16322.8	45°	15406.1	14489.1	14352.6	14215.9	15541.2	16866.9	18182.6	19498.5	20297.3	19498.5
18443.6	47.5°	17551.9	16659.8	16632.1	16604.4	18516.5	20428.0	22354.2	24280.1	25411.1	24280.1
21223.4	50°	20121.8	19020.4	19025.1	19029.8	21493.9	23958.1	26500.5	29043.0	30580.2	29043.0
24414.3	52.5°	23080.4	21746.7	21611.9	21476.8	24420.2	27363.5	30509.3	33654.8	35497.4	33654.8
27811.5	55°	26493.6	25175.7	24650.0	24124.2	27400.1	30675.7	34425.9	38176.1	40367.5	38176.1
30901.4	57.5°	30183.7	29465.8	28411.2	27356.9	30664.7	33972.4	38220.1	42467.6	45185.1	42467.6
32768.9	60°	33883.5	34998.5	33688.9	32379.3	35509.6	38639.9	43187.7	47735.6	50672.6	47735.6
31820.6	62.5°	34866.4	37912.3	37764.7	37616.8	40484.4	43352.2	47679.1	52005.7	54720.5	52005.7
29922.7	65°	32781.3	35640.0	36205.6	36771.0	40415.2	44059.6	48255.3	52450.7	54762.0	52450.7
27379.6	67.5°	30098.5	32817.3	33082.6	33347.5	37144.5	40941.2	45154.9	49368.6	51179.3	49368.6
24324.4	70°	27281.6	30239.1	30357.6	30476.4	33871.9	37267.2	40893.3	44519.2	45525.6	44519.2
20683.5	72.5°	24077.1	27471.0	27556.2	27641.2	30297.8	32954.4	35670.2	38385.7	38487.6	38385.7
16077.8	75°	19590.2	23102.5	23417.9	23733.2	25800.1	27866.9	29778.7	31690.5	31178.3	31690.5
11487.3	77.5°	14766.0	18045.0	18496.3	18947.6	20518.8	22090.0	23445.8	24802.0	23921.5	24802.0
7518.4	80°	10276.8	13035.0	13595.9	14156.9	15343.5	16529.7	17241.8	17953.6	16537.4	17953.6
4370.4	82.5°	6256.1	8142.2	8768.7	9395.6	10212.3	11029.1	11326.2	11623.0	10510.0	11623.0
1922.9	85°	2923.7	3924.6	4457.6	4990.6	5661.7	6332.6	6501.2	6669.8	5778.3	6669.8
595.3	87.5°	931.7	1268.1	1565.4	1862.8	2198.3	2533.9	2548.3	2562.4	2151.3	2562.4
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°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7964.1	2.5°	7951.7	7926.8	7901.9	7860.0	7818.2	7788.6	7759.3
8897.5	5°	8864.0	8808.6	8753.2	8651.1	8549.2	8446.2	8343.5
9795.4	7.5°	9746.4	9655.8	9565.3	9414.9	9264.6	9097.6	8930.4
10389.2	10°	10341.6	10235.3	10128.4	9952.1	9775.7	9578.0	9380.3
10583.6	12.5°	10557.6	10480.1	10402.5	10243.6	10084.1	9870.1	9655.8
10371.0	15°	10398.7	10395.9	10393.1	10292.9	10192.9	10008.3	9823.3
9843.8	17.5°	9946.5	10058.7	10170.8	10169.1	10167.2	10042.3	9917.5
9170.2	20°	9350.4	9598.0	9845.5	9977.0	10108.5	10064.8	10021.3
8529.2	22.5°	8754.6	9118.7	9482.8	9755.2	10027.7	10084.7	10141.7
7988.2	25°	8225.2	8667.4	9109.6	9523.2	9936.8	10116.8	10296.8
7554.7	27.5°	7787.8	8277.8	8767.9	9315.5	9863.5	10185.5	10507.2
7245.4	30°	7461.6	7972.2	8482.7	9157.2	9831.6	10311.2	10791.0
7156.8	32.5°	7326.5	7806.3	8286.1	9049.2	9812.2	10469.0	11126.0
7629.1	35°	7668.7	8001.8	8335.2	9130.0	9925.2	10729.0	11533.0
9019.3	37.5°	8838.2	8859.8	8881.4	9604.0	10326.7	11272.5	12218.2
11320.6	40°	10880.4	10501.1	10121.8	10659.2	11196.6	12225.2	13253.7
14422.1	42.5°	13621.4	12794.1	11966.8	12276.4	12585.9	13606.5	14627.0
18182.6	45°	16866.9	15541.2	14215.9	14352.6	14489.1	15406.1	16322.8
22354.2	47.5°	20428.0	18516.5	16604.4	16632.1	16659.8	17551.9	18443.6
26500.5	50°	23958.1	21493.9	19029.8	19025.1	19020.4	20121.8	21223.4
30509.3	52.5°	27363.5	24420.2	21476.8	21611.9	21746.7	23080.4	24414.3
34425.9	55°	30675.7	27400.1	24124.2	24650.0	25175.7	26493.6	27811.5
38220.1	57.5°	33972.4	30664.7	27356.9	28411.2	29465.8	30183.7	30901.4
43187.7	60°	38639.9	35509.6	32379.3	33688.9	34998.5	33883.5	32768.9
47679.1	62.5°	43352.2	40484.4	37616.8	37764.7	37912.3	34866.4	31820.6
48255.3	65°	44059.6	40415.2	36771.0	36205.6	35640.0	32781.3	29922.7
45154.9	67.5°	40941.2	37144.5	33347.5	33082.6	32817.3	30098.5	27379.6
40893.3	70°	37267.2	33871.9	30476.4	30357.6	30239.1	27281.6	24324.4
35670.2	72.5°	32954.4	30297.8	27641.2	27556.2	27471.0	24077.1	20683.5
29778.7	75°	27866.9	25800.1	23733.2	23417.9	23102.5	19590.2	16077.8
23445.8	77.5°	22090.0	20518.8	18947.6	18496.3	18045.0	14766.0	11487.3
17241.8	80°	16529.7	15343.5	14156.9	13595.9	13035.0	10276.8	7518.4
11326.2	82.5°	11029.1	10212.3	9395.6	8768.7	8142.2	6256.1	4370.4
6501.2	85°	6332.6	5661.7	4990.6	4457.6	3924.6	2923.7	1922.9
2548.3	87.5°	2533.9	2198.3	1862.8	1565.4	1268.1	931.7	595.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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