

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: P955258

Luminaire Tested: **GALN-SB8B-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955258
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-SB8B-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 45370 lumens
Efficiency: N/A
Efficacy: 155.0 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

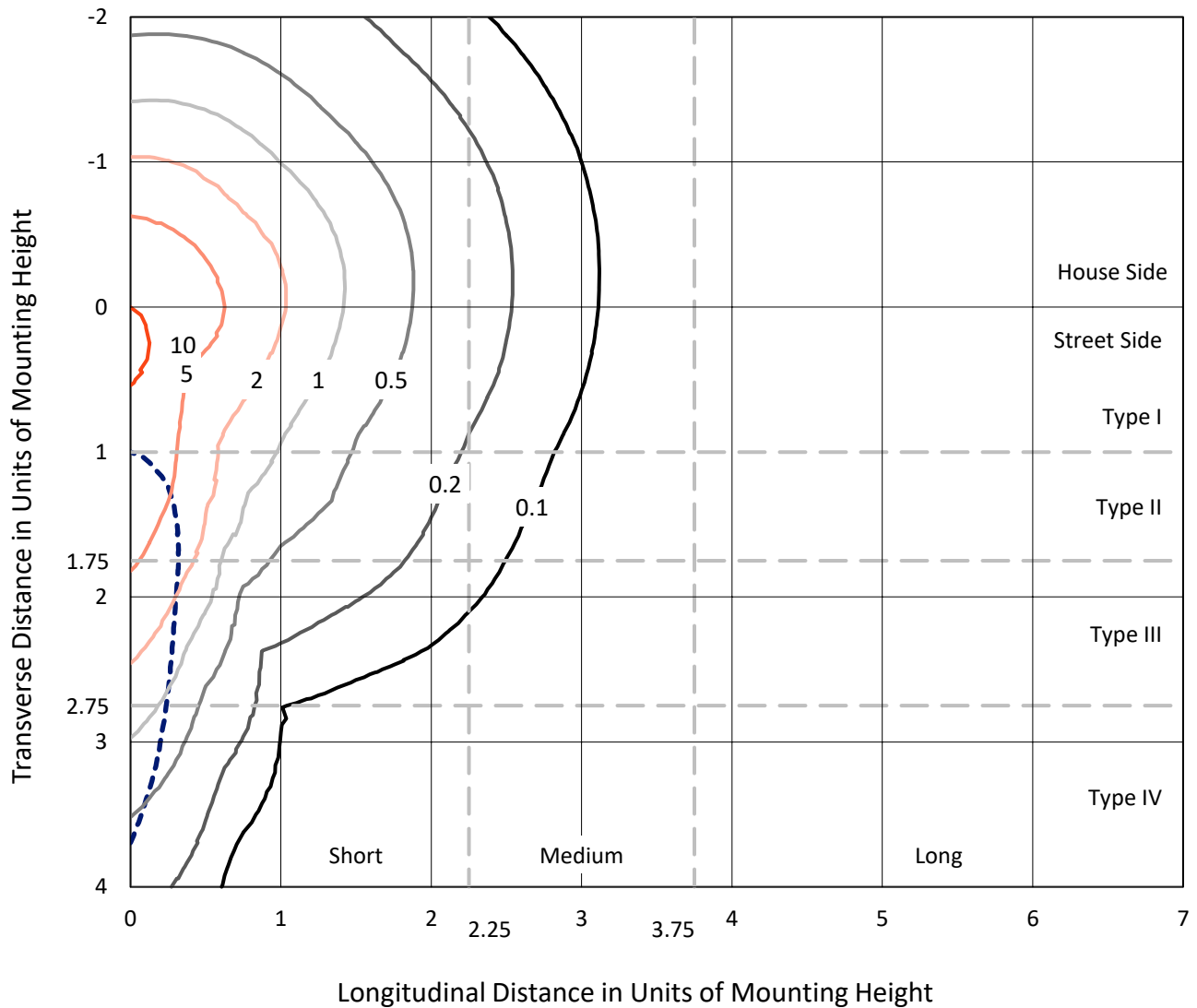
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

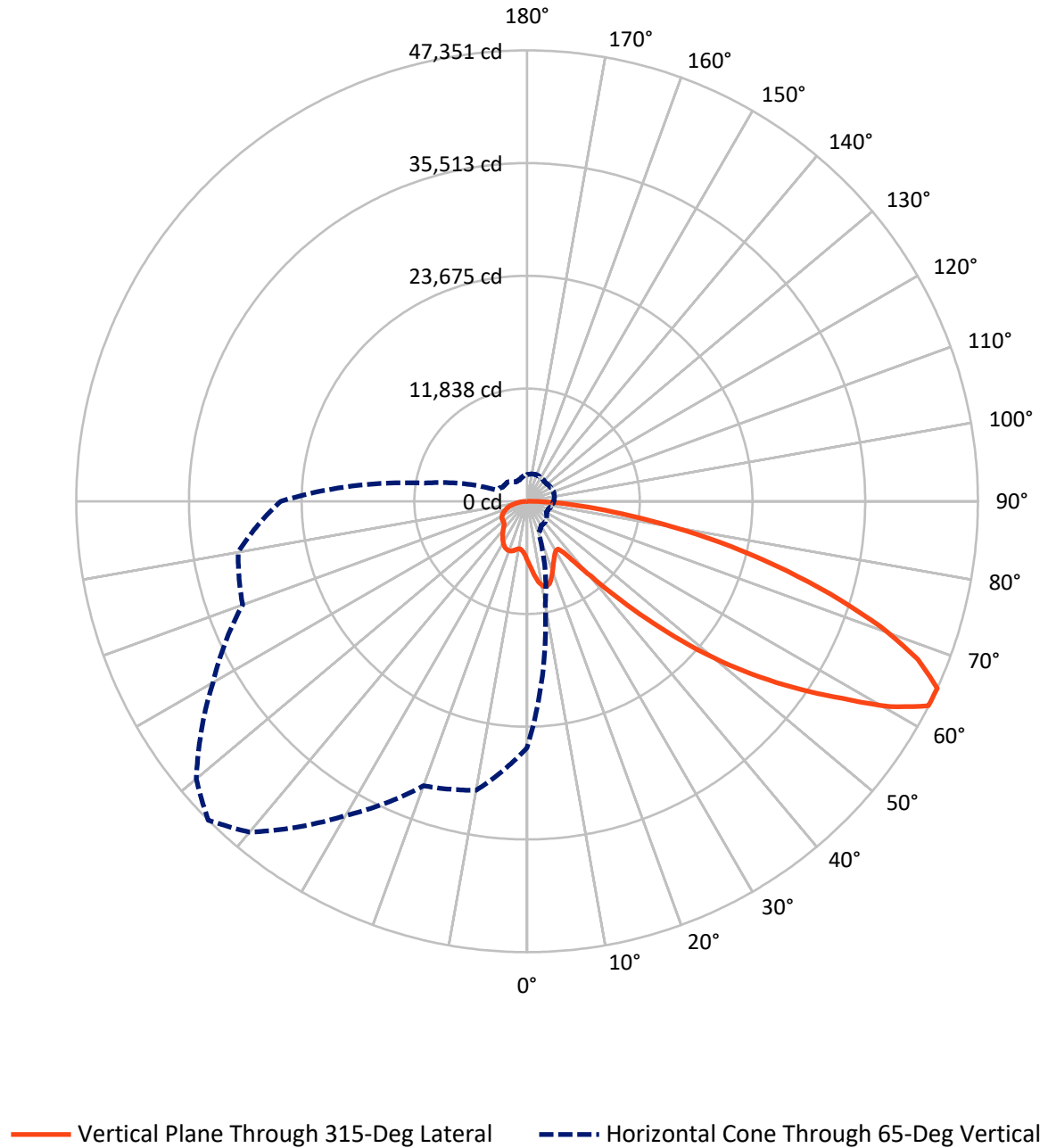
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	11530.8	0.0	11530.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	33839.2	0.0	33839.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	45370.0	0.0	45370.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.9	1.4
10°-20°	1942.8	4.3
20°-30°	3000.9	6.6
30°-40°	3802.9	8.4
40°-50°	5735.8	12.6
50°-60°	9267.1	20.4
60°-70°	11552.9	25.5
70°-80°	7575.8	16.7
80°-90°	1872.9	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°	45370.0	100.0
0°-180°	45370.0	100.0



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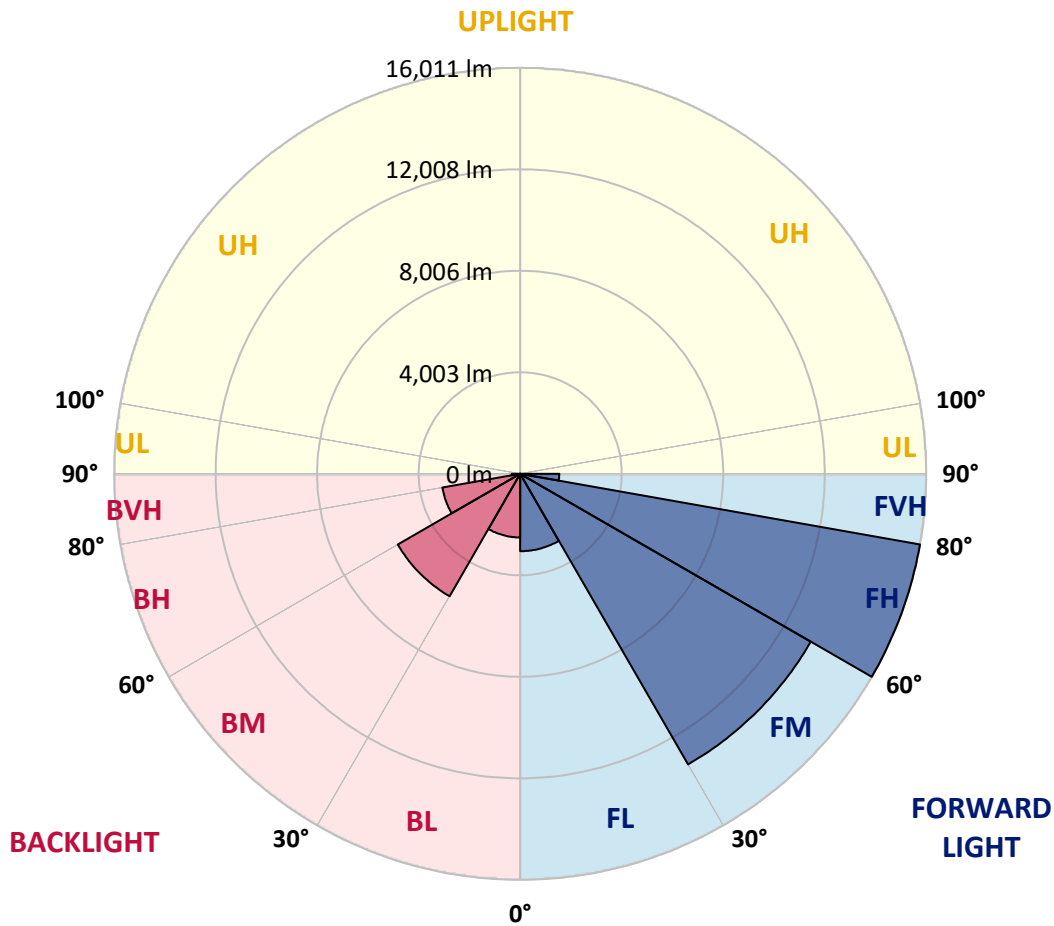
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3051.7	6.7			
FM (30°-60°)	13233.4	29.2			
FH (60°-80°)	16011.3	35.3			G5
FVH (80°-90°)	1542.9	3.4			G5
BL (0°-30°)	2511.0	5.5	B4/5000		
BM (30°-60°)	5572.4	12.3	B4/8500		
BH (60°-80°)	3117.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	330.0	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°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
2.5°	6709.2	6657.7	6606.2	6551.4	6496.8	6441.8	6386.7	6334.0	6281.4	6230.4
5°	7214.3	7100.6	6986.9	6873.4	6760.2	6646.0	6532.0	6425.5	6319.0	6218.4
7.5°	7721.8	7534.2	7346.7	7173.4	7000.1	6831.3	6662.5	6513.8	6365.2	6228.0
10°	8110.9	7873.6	7636.4	7407.3	7178.4	6973.5	6768.3	6592.6	6416.4	6247.1
12.5°	8349.1	8088.4	7827.9	7568.4	7308.9	7067.1	6825.3	6626.4	6427.4	6249.5
15°	8493.9	8222.2	7950.5	7668.9	7387.4	7109.0	6830.6	6600.3	6370.0	6172.9
17.5°	8575.3	8299.8	8024.2	7717.1	7409.9	7086.7	6763.5	6486.5	6209.6	5977.8
20°	8665.1	8378.8	8092.2	7754.6	7417.1	7025.4	6633.8	6290.5	5947.2	5677.4
22.5°	8769.2	8476.7	8183.9	7805.4	7426.7	6950.3	6473.9	6060.4	5647.0	5339.8
25°	8903.3	8616.5	8329.9	7897.3	7464.5	6876.0	6287.8	5803.5	5319.5	5004.7
27.5°	9085.2	8811.8	8538.2	8041.0	7543.5	6826.5	6109.5	5568.7	5027.9	4741.3
30°	9330.6	9066.3	8802.3	8227.0	7651.7	6803.3	5954.4	5372.4	4790.4	4549.8
32.5°	9620.3	9358.6	9097.2	8421.1	7745.1	6774.5	5803.5	5203.1	4602.5	4408.6
35°	9972.2	9721.8	9471.1	8642.3	7813.5	6720.4	5627.8	5036.7	4445.7	4284.1
37.5°	10564.7	10245.4	9926.0	8890.1	7854.2	6627.8	5401.3	4840.9	4280.5	4139.2
40°	11460.1	10994.7	10529.3	9204.7	7879.9	6500.2	5120.8	4607.3	4093.7	3965.7
42.5°	12647.5	11975.7	11304.0	9616.2	7928.5	6368.5	4809.1	4349.4	3889.8	3771.7
45°	14113.8	13207.7	12301.6	10157.7	8013.9	6246.2	4478.7	4075.5	3672.4	3552.7
47.5°	15947.6	14672.4	13396.8	10734.7	8072.6	6145.2	4217.8	3858.9	3500.0	3345.6
50°	18351.2	16428.6	14505.7	11270.0	8034.3	6035.0	4035.8	3715.0	3394.2	3191.2
52.5°	21110.3	18273.4	15436.5	11617.6	7798.5	5849.0	3899.8	3620.2	3340.8	3107.4
55°	24047.7	19909.0	15770.5	11541.0	7311.3	5540.7	3770.1	3551.5	3332.9	3115.8
57.5°	26719.4	21068.2	15416.9	11001.9	6587.1	5105.9	3624.5	3470.1	3315.7	3124.2
60°	28334.2	21357.8	14381.2	9998.5	5615.8	4541.4	3467.0	3345.6	3224.2	3097.8
62.5°	27514.2	20138.1	12761.9	8641.9	4521.8	3865.8	3209.9	3129.2	3048.8	3033.2
65°	25873.2	18412.3	10951.4	7257.7	3564.2	3258.0	2951.8	2913.7	2875.7	2877.6
67.5°	23674.3	16358.4	9042.6	5901.7	2760.8	2673.9	2586.7	2608.0	2629.1	2623.8
70°	21032.5	14117.4	7202.4	4646.8	2091.2	2116.1	2140.7	2239.3	2337.7	2337.7
72.5°	17884.4	11688.0	5491.8	3552.5	1613.1	1688.0	1763.2	1903.0	2042.6	2066.0
75°	13902.0	8903.0	3904.1	2578.3	1252.5	1320.5	1388.5	1545.1	1701.7	1809.9
77.5°	9932.7	6231.3	2530.0	1747.1	964.3	1010.5	1057.0	1209.0	1361.0	1539.3
80°	6500.9	4014.7	1528.6	1125.7	723.0	742.1	761.3	890.1	1018.6	1231.7
82.5°	3778.9	2323.6	868.5	692.3	516.6	520.0	523.8	618.6	713.4	895.4
85°	1662.6	1045.2	428.0	370.1	312.4	310.7	308.8	378.3	447.7	582.9
87.5°	514.7	342.3	170.0	153.5	136.9	135.3	133.6	161.8	190.3	246.6
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°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
6173.6	2.5°	6127.7	6082.0	6040.5	5999.4	5963.2	5927.1	5890.7	5854.5	5826.5	5798.3
6119.1	5°	6032.4	5945.5	5872.7	5800.2	5736.0	5671.9	5613.7	5555.3	5510.5	5465.5
6099.4	7.5°	5984.0	5868.9	5773.1	5677.4	5596.7	5515.8	5444.4	5373.3	5319.9	5266.8
6109.0	10°	5987.4	5865.8	5770.0	5674.3	5587.4	5500.2	5420.0	5339.8	5276.1	5212.2
6121.0	12.5°	6021.4	5922.3	5858.6	5795.4	5726.9	5658.9	5575.9	5493.0	5411.6	5330.2
6070.0	15°	6022.3	5974.9	5983.6	5992.2	5974.5	5956.8	5884.7	5812.6	5696.8	5580.9
5914.4	17.5°	5931.9	5949.1	6053.5	6157.8	6213.4	6268.7	6210.5	6152.6	5999.1	5845.7
5660.6	20°	5742.0	5823.4	6004.6	6186.1	6302.2	6418.3	6391.5	6364.5	6189.0	6013.7
5372.6	22.5°	5493.0	5613.5	5820.3	6027.6	6178.7	6329.7	6346.0	6362.1	6194.5	6026.9
5093.2	25°	5232.1	5370.9	5557.0	5743.2	5891.9	6040.5	6096.1	6151.4	6014.0	5876.8
4849.0	27.5°	4983.1	5117.2	5270.2	5422.9	5542.1	5661.3	5723.1	5785.1	5687.2	5589.5
4634.3	30°	4740.6	4847.4	4974.3	5101.1	5200.0	5299.1	5349.4	5399.7	5325.2	5250.5
4446.1	32.5°	4509.1	4572.1	4673.3	4774.8	4869.6	4964.7	5020.5	5076.5	5008.0	4939.3
4268.5	35°	4285.7	4303.2	4380.5	4457.6	4551.5	4645.6	4712.6	4779.6	4730.8	4682.2
4082.2	37.5°	4063.1	4043.9	4099.5	4154.8	4248.4	4342.2	4425.1	4507.9	4485.4	4462.9
3878.3	40°	3834.9	3791.6	3831.6	3871.6	3962.1	4052.6	4147.8	4243.4	4248.9	4254.1
3661.6	42.5°	3604.2	3546.7	3579.3	3612.1	3697.8	3783.7	3886.7	3989.6	4017.1	4044.7
3446.2	45°	3390.1	3334.4	3361.7	3389.4	3470.8	3552.2	3659.0	3765.8	3805.3	3844.8
3253.9	47.5°	3207.0	3160.1	3185.9	3211.6	3291.3	3370.8	3476.1	3581.4	3626.9	3672.4
3084.7	50°	3043.0	3001.6	3041.8	3082.3	3157.4	3232.4	3326.7	3421.0	3479.4	3537.9
2958.5	52.5°	2917.3	2876.4	2937.0	2997.3	3066.2	3134.9	3222.8	3310.9	3380.1	3449.3
2891.5	55°	2826.4	2761.5	2847.4	2933.1	3007.3	3081.6	3158.6	3235.5	3308.7	3382.2
2851.3	57.5°	2756.5	2661.6	2754.1	2846.5	2933.6	3020.8	3096.9	3173.2	3247.2	3321.0
2813.4	60°	2690.6	2567.6	2648.7	2729.6	2829.7	2929.8	3007.1	3084.7	3158.9	3233.1
2769.4	62.5°	2615.7	2462.2	2513.7	2565.2	2681.8	2798.6	2881.2	2963.8	3031.8	3099.8
2676.5	65°	2513.2	2349.7	2369.6	2389.2	2514.2	2639.4	2718.4	2797.4	2857.2	2917.1
2510.8	67.5°	2374.8	2238.9	2232.6	2226.4	2341.8	2457.4	2532.4	2607.1	2658.8	2710.5
2300.6	70°	2203.9	2107.2	2085.7	2064.1	2165.6	2267.1	2331.8	2396.4	2443.1	2489.8
2066.5	72.5°	2000.2	1933.9	1902.3	1870.9	1950.9	2030.6	2089.0	2147.4	2193.1	2238.9
1800.8	75°	1749.8	1698.5	1668.4	1638.0	1697.3	1756.7	1809.6	1862.5	1904.2	1945.8
1534.6	77.5°	1493.6	1452.7	1422.0	1391.4	1439.8	1487.9	1533.4	1578.8	1622.7	1666.2
1231.0	80°	1196.8	1162.3	1136.7	1110.8	1151.0	1191.0	1229.3	1267.6	1300.9	1333.9
905.4	82.5°	888.7	871.9	853.7	835.5	832.2	828.8	815.4	802.0	872.9	943.7
596.1	85°	578.2	560.2	539.8	519.5	502.3	484.8	447.7	410.6	476.9	543.4
263.3	87.5°	256.2	249.0	245.1	241.3	240.6	239.9	211.6	183.1	210.9	238.9
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°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
5775.5	2.5°	5752.8	5735.1	5717.4	5701.1	5684.6	5664.2	5684.6	5701.1	5717.4	5735.1
5434.1	5°	5402.8	5380.5	5358.3	5341.3	5324.3	5307.5	5324.3	5341.3	5358.3	5380.5
5229.5	7.5°	5192.1	5166.5	5141.1	5125.8	5110.7	5099.2	5110.7	5125.8	5141.1	5166.5
5170.6	10°	5128.4	5104.2	5080.1	5067.1	5054.2	5048.9	5054.2	5067.1	5080.1	5104.2
5276.4	12.5°	5222.5	5195.5	5168.6	5157.6	5146.6	5144.7	5146.6	5157.6	5168.6	5195.5
5499.0	15°	5417.1	5379.6	5342.2	5327.8	5313.5	5312.3	5313.5	5327.8	5342.2	5379.6
5725.0	17.5°	5604.4	5548.8	5493.0	5474.8	5456.4	5453.5	5456.4	5474.8	5493.0	5548.8
5865.8	20°	5718.1	5647.0	5575.6	5552.9	5530.1	5523.0	5530.1	5552.9	5575.6	5647.0
5874.6	22.5°	5722.1	5647.2	5572.0	5546.9	5521.8	5511.0	5521.8	5546.9	5572.0	5647.2
5741.3	25°	5606.3	5541.2	5476.3	5452.6	5429.1	5415.2	5429.1	5452.6	5476.3	5541.2
5484.4	27.5°	5379.3	5335.7	5291.9	5281.2	5270.4	5266.8	5270.4	5281.2	5291.9	5335.7
5175.4	30°	5099.7	5077.4	5054.9	5054.9	5054.9	5058.5	5054.9	5054.9	5054.9	5077.4
4879.2	32.5°	4819.1	4804.5	4789.9	4791.8	4794.0	4797.6	4794.0	4791.8	4789.9	4804.5
4626.6	35°	4571.3	4549.1	4527.1	4522.3	4517.5	4515.1	4517.5	4522.3	4527.1	4549.1
4411.9	37.5°	4360.7	4320.2	4280.0	4258.7	4237.4	4225.4	4237.4	4258.7	4280.0	4320.2
4210.8	40°	4167.5	4108.6	4050.2	4010.4	3971.2	3947.7	3971.2	4010.4	4050.2	4108.6
4008.0	42.5°	3971.6	3898.6	3825.6	3767.9	3710.2	3672.4	3710.2	3767.9	3825.6	3898.6
3811.7	45°	3778.9	3695.4	3612.1	3544.3	3476.6	3433.0	3476.6	3544.3	3612.1	3695.4
3649.4	47.5°	3626.4	3552.2	3478.0	3415.3	3352.8	3310.9	3352.8	3415.3	3478.0	3552.2
3536.4	50°	3535.5	3476.1	3416.7	3358.8	3300.8	3260.6	3300.8	3358.8	3416.7	3476.1
3461.7	52.5°	3474.2	3425.8	3377.5	3325.5	3273.8	3236.7	3273.8	3325.5	3377.5	3425.8
3399.5	55°	3416.7	3374.6	3332.4	3287.0	3241.5	3208.0	3241.5	3287.0	3332.4	3374.6
3338.4	57.5°	3355.9	3313.3	3270.7	3225.7	3180.4	3145.7	3180.4	3225.7	3270.7	3313.3
3252.2	60°	3271.4	3229.7	3188.3	3141.9	3095.4	3059.5	3095.4	3141.9	3188.3	3229.7
3118.2	62.5°	3136.6	3099.0	3061.4	3012.6	2963.8	2920.7	2963.8	3012.6	3061.4	3099.0
2936.0	65°	2954.7	2918.5	2882.4	2835.0	2787.8	2750.7	2787.8	2835.0	2882.4	2918.5
2728.9	67.5°	2747.1	2713.8	2680.8	2636.8	2592.7	2559.2	2592.7	2636.8	2680.8	2713.8
2507.5	70°	2525.2	2498.1	2471.1	2429.0	2386.8	2348.5	2386.8	2429.0	2471.1	2498.1
2259.9	72.5°	2281.0	2258.5	2236.0	2195.8	2155.8	2118.7	2155.8	2195.8	2236.0	2258.5
1967.9	75°	1989.9	1978.9	1967.9	1934.1	1900.4	1864.9	1900.4	1934.1	1967.9	1978.9
1686.8	77.5°	1707.4	1692.1	1676.3	1642.3	1608.3	1580.0	1608.3	1642.3	1676.3	1692.1
1361.2	80°	1388.5	1381.8	1375.4	1329.6	1283.7	1230.5	1283.7	1329.6	1375.4	1381.8
990.2	82.5°	1036.6	1033.7	1030.6	992.1	953.3	919.3	953.3	992.1	1030.6	1033.7
600.9	85°	658.4	653.6	648.8	618.6	588.4	557.8	588.4	618.6	648.8	653.6
262.1	87.5°	285.4	279.6	273.4	258.1	242.3	227.4	242.3	258.1	273.4	279.6
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
5752.8	2.5°	5775.5	5798.3	5826.5	5854.5	5890.7	5927.1	5963.2	5999.4	6040.5	6082.0
5402.8	5°	5434.1	5465.5	5510.5	5555.3	5613.7	5671.9	5736.0	5800.2	5872.7	5945.5
5192.1	7.5°	5229.5	5266.8	5319.9	5373.3	5444.4	5515.8	5596.7	5677.4	5773.1	5868.9
5128.4	10°	5170.6	5212.2	5276.1	5339.8	5420.0	5500.2	5587.4	5674.3	5770.0	5865.8
5222.5	12.5°	5276.4	5330.2	5411.6	5493.0	5575.9	5658.9	5726.9	5795.4	5858.6	5922.3
5417.1	15°	5499.0	5580.9	5696.8	5812.6	5884.7	5956.8	5974.5	5992.2	5983.6	5974.9
5604.4	17.5°	5725.0	5845.7	5999.1	6152.6	6210.5	6268.7	6213.4	6157.8	6053.5	5949.1
5718.1	20°	5865.8	6013.7	6189.0	6364.5	6391.5	6418.3	6302.2	6186.1	6004.6	5823.4
5722.1	22.5°	5874.6	6026.9	6194.5	6362.1	6346.0	6329.7	6178.7	6027.6	5820.3	5613.5
5606.3	25°	5741.3	5876.8	6014.0	6151.4	6096.1	6040.5	5891.9	5743.2	5557.0	5370.9
5379.3	27.5°	5484.4	5589.5	5687.2	5785.1	5723.1	5661.3	5542.1	5422.9	5270.2	5117.2
5099.7	30°	5175.4	5250.5	5325.2	5399.7	5349.4	5299.1	5200.0	5101.1	4974.3	4847.4
4819.1	32.5°	4879.2	4939.3	5008.0	5076.5	5020.5	4964.7	4869.6	4774.8	4673.3	4572.1
4571.3	35°	4626.6	4682.2	4730.8	4779.6	4712.6	4645.6	4551.5	4457.6	4380.5	4303.2
4360.7	37.5°	4411.9	4462.9	4485.4	4507.9	4425.1	4342.2	4248.4	4154.8	4099.5	4043.9
4167.5	40°	4210.8	4254.1	4248.9	4243.4	4147.8	4052.6	3962.1	3871.6	3831.6	3791.6
3971.6	42.5°	4008.0	4044.7	4017.1	3989.6	3886.7	3783.7	3697.8	3612.1	3579.3	3546.7
3778.9	45°	3811.7	3844.8	3805.3	3765.8	3659.0	3552.2	3470.8	3389.4	3361.7	3334.4
3626.4	47.5°	3649.4	3672.4	3626.9	3581.4	3476.1	3370.8	3291.3	3211.6	3185.9	3160.1
3535.5	50°	3536.4	3537.9	3479.4	3421.0	3326.7	3232.4	3157.4	3082.3	3041.8	3001.6
3474.2	52.5°	3461.7	3449.3	3380.1	3310.9	3222.8	3134.9	3066.2	2997.3	2937.0	2876.4
3416.7	55°	3399.5	3382.2	3308.7	3235.5	3158.6	3081.6	3007.3	2933.1	2847.4	2761.5
3355.9	57.5°	3338.4	3321.0	3247.2	3173.2	3096.9	3020.8	2933.6	2846.5	2754.1	2661.6
3271.4	60°	3252.2	3233.1	3158.9	3084.7	3007.1	2929.8	2829.7	2729.6	2648.7	2567.6
3136.6	62.5°	3118.2	3099.8	3031.8	2963.8	2881.2	2798.6	2681.8	2565.2	2513.7	2462.2
2954.7	65°	2936.0	2917.1	2857.2	2797.4	2718.4	2639.4	2514.2	2389.2	2369.6	2349.7
2747.1	67.5°	2728.9	2710.5	2658.8	2607.1	2532.4	2457.4	2341.8	2226.4	2232.6	2238.9
2525.2	70°	2507.5	2489.8	2443.1	2396.4	2331.8	2267.1	2165.6	2064.1	2085.7	2107.2
2281.0	72.5°	2259.9	2238.9	2193.1	2147.4	2089.0	2030.6	1950.9	1870.9	1902.3	1933.9
1989.9	75°	1967.9	1945.8	1904.2	1862.5	1809.6	1756.7	1697.3	1638.0	1668.4	1698.5
1707.4	77.5°	1686.8	1666.2	1622.7	1578.8	1533.4	1487.9	1439.8	1391.4	1422.0	1452.7
1388.5	80°	1361.2	1333.9	1300.9	1267.6	1229.3	1191.0	1151.0	1110.8	1136.7	1162.3
1036.6	82.5°	990.2	943.7	872.9	802.0	815.4	828.8	832.2	835.5	853.7	871.9
658.4	85°	600.9	543.4	476.9	410.6	447.7	484.8	502.3	519.5	539.8	560.2
285.4	87.5°	262.1	238.9	210.9	183.1	211.6	239.9	240.6	241.3	245.1	249.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
6127.7	2.5°	6173.6	6230.4	6281.4	6334.0	6386.7	6441.8	6496.8	6551.4	6606.2	6657.7
6032.4	5°	6119.1	6218.4	6319.0	6425.5	6532.0	6646.0	6760.2	6873.4	6986.9	7100.6
5984.0	7.5°	6099.4	6228.0	6365.2	6513.8	6662.5	6831.3	7000.1	7173.4	7346.7	7534.2
5987.4	10°	6109.0	6247.1	6416.4	6592.6	6768.3	6973.5	7178.4	7407.3	7636.4	7873.6
6021.4	12.5°	6121.0	6249.5	6427.4	6626.4	6825.3	7067.1	7308.9	7568.4	7827.9	8088.4
6022.3	15°	6070.0	6172.9	6370.0	6600.3	6830.6	7109.0	7387.4	7668.9	7950.5	8222.2
5931.9	17.5°	5914.4	5977.8	6209.6	6486.5	6763.5	7086.7	7409.9	7717.1	8024.2	8299.8
5742.0	20°	5660.6	5677.4	5947.2	6290.5	6633.8	7025.4	7417.1	7754.6	8092.2	8378.8
5493.0	22.5°	5372.6	5339.8	5647.0	6060.4	6473.9	6950.3	7426.7	7805.4	8183.9	8476.7
5232.1	25°	5093.2	5004.7	5319.5	5803.5	6287.8	6876.0	7464.5	7897.3	8329.9	8616.5
4983.1	27.5°	4849.0	4741.3	5027.9	5568.7	6109.5	6826.5	7543.5	8041.0	8538.2	8811.8
4740.6	30°	4634.3	4549.8	4790.4	5372.4	5954.4	6803.3	7651.7	8227.0	8802.3	9066.3
4509.1	32.5°	4446.1	4408.6	4602.5	5203.1	5803.5	6774.5	7745.1	8421.1	9097.2	9358.6
4285.7	35°	4268.5	4284.1	4445.7	5036.7	5627.8	6720.4	7813.5	8642.3	9471.1	9721.8
4063.1	37.5°	4082.2	4139.2	4280.5	4840.9	5401.3	6627.8	7854.2	8890.1	9926.0	10245.4
3834.9	40°	3878.3	3965.7	4093.7	4607.3	5120.8	6500.2	7879.9	9204.7	10529.3	10994.7
3604.2	42.5°	3661.6	3771.7	3889.8	4349.4	4809.1	6368.5	7928.5	9616.2	11304.0	11975.7
3390.1	45°	3446.2	3552.7	3672.4	4075.5	4478.7	6246.2	8013.9	10157.7	12301.6	13207.7
3207.0	47.5°	3253.9	3345.6	3500.0	3858.9	4217.8	6145.2	8072.6	10734.7	13396.8	14672.4
3043.0	50°	3084.7	3191.2	3394.2	3715.0	4035.8	6035.0	8034.3	11270.0	14505.7	16428.6
2917.3	52.5°	2958.5	3107.4	3340.8	3620.2	3899.8	5849.0	7798.5	11617.6	15436.5	18273.4
2826.4	55°	2891.5	3115.8	3332.9	3551.5	3770.1	5540.7	7311.3	11541.0	15770.5	19909.0
2756.5	57.5°	2851.3	3124.2	3315.7	3470.1	3624.5	5105.9	6587.1	11001.9	15416.9	21068.2
2690.6	60°	2813.4	3097.8	3224.2	3345.6	3467.0	4541.4	5615.8	9998.5	14381.2	21357.8
2615.7	62.5°	2769.4	3033.2	3048.8	3129.2	3209.9	3865.8	4521.8	8641.9	12761.9	20138.1
2513.2	65°	2676.5	2877.6	2875.7	2913.7	2951.8	3258.0	3564.2	7257.7	10951.4	18412.3
2374.8	67.5°	2510.8	2623.8	2629.1	2608.0	2586.7	2673.9	2760.8	5901.7	9042.6	16358.4
2203.9	70°	2300.6	2337.7	2337.7	2239.3	2140.7	2116.1	2091.2	4646.8	7202.4	14117.4
2000.2	72.5°	2066.5	2066.0	2042.6	1903.0	1763.2	1688.0	1613.1	3552.5	5491.8	11688.0
1749.8	75°	1800.8	1809.9	1701.7	1545.1	1388.5	1320.5	1252.5	2578.3	3904.1	8903.0
1493.6	77.5°	1534.6	1539.3	1361.0	1209.0	1057.0	1010.5	964.3	1747.1	2530.0	6231.3
1196.8	80°	1231.0	1231.7	1018.6	890.1	761.3	742.1	723.0	1125.7	1528.6	4014.7
888.7	82.5°	905.4	895.4	713.4	618.6	523.8	520.0	516.6	692.3	868.5	2323.6
578.2	85°	596.1	582.9	447.7	378.3	308.8	310.7	312.4	370.1	428.0	1045.2
256.2	87.5°	263.3	246.6	190.3	161.8	133.6	135.3	136.9	153.5	170.0	342.3
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°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
6709.2	2.5°	6734.6	6760.2	6796.3	6832.5	6854.0	6875.6	6886.3	6897.1	6892.3	6897.1
7214.3	5°	7303.1	7392.2	7480.3	7568.6	7616.5	7664.4	7693.4	7722.6	7744.6	7722.6
7721.8	7.5°	7866.4	8010.8	8140.8	8270.8	8349.1	8427.4	8469.7	8511.9	8532.2	8511.9
8110.9	10°	8281.8	8452.7	8605.2	8757.7	8850.1	8942.1	8983.2	9024.2	9039.7	9024.2
8349.1	12.5°	8534.4	8719.4	8857.3	8994.7	9061.8	9128.8	9151.3	9173.8	9176.2	9173.8
8493.9	15°	8653.8	8813.5	8899.9	8986.6	8989.0	8991.4	8967.4	8943.5	8915.3	8943.5
8575.3	17.5°	8683.3	8791.2	8792.9	8794.4	8697.4	8600.4	8511.6	8422.6	8359.9	8422.6
8665.1	20°	8702.7	8740.5	8626.8	8513.1	8299.0	8085.0	7929.2	7773.3	7677.6	7773.3
8769.2	22.5°	8719.9	8670.6	8435.0	8199.5	7884.6	7569.8	7375.0	7180.1	7074.3	7180.1
8903.3	25°	8747.7	8592.1	8234.4	7876.7	7494.4	7112.1	6907.2	6702.7	6602.7	6702.7
9085.2	27.5°	8807.0	8528.6	8054.9	7581.3	7157.6	6733.8	6532.3	6330.9	6236.4	6330.9
9330.6	30°	8915.7	8501.1	7917.9	7334.7	6893.3	6451.8	6264.9	6077.9	5989.8	6077.9
9620.3	32.5°	9052.2	8484.3	7824.6	7164.8	6749.9	6335.0	6188.3	6041.3	5977.8	6041.3
9972.2	35°	9277.0	8582.0	7894.5	7207.1	6918.9	6630.9	6596.7	6562.4	6557.2	6562.4
10564.7	37.5°	9746.9	8929.1	8304.3	7679.5	7660.8	7642.1	7798.7	7955.3	8036.7	7955.3
11460.1	40°	10570.7	9681.3	9216.7	8752.0	9080.0	9407.9	9788.6	10169.2	10358.8	10169.2
12647.5	42.5°	11765.1	10882.6	10615.0	10347.3	11062.7	11778.0	12470.3	13162.7	13569.2	13162.7
14113.8	45°	13321.2	12528.3	12410.3	12292.0	13438.0	14584.3	15721.9	16859.7	17550.4	16859.7
15947.6	47.5°	15176.5	14405.2	14381.2	14357.3	16010.6	17663.4	19328.9	20994.2	21972.1	20994.2
18351.2	50°	17398.6	16446.3	16450.4	16454.4	18585.1	20715.8	22914.2	25112.6	26441.7	25112.6
21110.3	52.5°	19956.9	18803.7	18687.1	18570.3	21115.3	23660.4	26380.5	29100.3	30693.5	29100.3
24047.7	55°	22908.2	21768.6	21314.0	20859.4	23692.0	26524.3	29767.0	33009.7	34904.5	33009.7
26719.4	57.5°	26098.9	25478.2	24566.3	23654.6	26514.8	29374.9	33047.7	36720.4	39070.1	36720.4
28334.2	60°	29298.0	30262.1	29129.7	27997.4	30704.0	33410.7	37343.1	41275.4	43815.0	41275.4
27514.2	62.5°	30147.9	32781.5	32653.9	32526.1	35005.6	37485.3	41226.6	44967.7	47315.0	44967.7
25873.2	65°	28345.0	30816.8	31305.9	31794.7	34945.7	38096.9	41724.8	45352.4	47350.9	45352.4
23674.3	67.5°	26025.2	28376.1	28605.4	28834.5	32117.7	35400.6	39044.0	42687.4	44253.1	42687.4
21032.5	70°	23589.5	26146.8	26249.3	26352.0	29288.0	32223.7	35359.2	38494.3	39364.6	38494.3
17884.4	72.5°	20818.7	23753.3	23827.0	23900.5	26197.5	28494.6	30842.9	33190.9	33279.0	33190.9
13902.0	75°	16939.0	19976.0	20248.7	20521.4	22308.5	24095.6	25748.7	27401.7	26958.8	27401.7
9932.7	77.5°	12767.7	15602.9	15993.1	16383.3	17741.9	19100.5	20272.9	21445.5	20684.2	21445.5
6500.9	80°	8886.1	11271.0	11756.0	12241.0	13267.1	14292.7	14908.4	15523.9	14299.4	15523.9
3778.9	82.5°	5409.5	7040.3	7582.0	8124.0	8830.3	9536.5	9793.4	10050.0	9087.6	10050.0
1662.6	85°	2528.1	3393.5	3854.3	4315.2	4895.5	5475.6	5621.4	5767.1	4996.3	5767.1
514.7	87.5°	805.6	1096.5	1353.6	1610.7	1900.8	2191.0	2203.4	2215.6	1860.1	2215.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
6238.8	0°	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8	6238.8
6886.3	2.5°	6875.6	6854.0	6832.5	6796.3	6760.2	6734.6	6709.2
7693.4	5°	7664.4	7616.5	7568.6	7480.3	7392.2	7303.1	7214.3
8469.7	7.5°	8427.4	8349.1	8270.8	8140.8	8010.8	7866.4	7721.8
8983.2	10°	8942.1	8850.1	8757.7	8605.2	8452.7	8281.8	8110.9
9151.3	12.5°	9128.8	9061.8	8994.7	8857.3	8719.4	8534.4	8349.1
8967.4	15°	8991.4	8989.0	8986.6	8899.9	8813.5	8653.8	8493.9
8511.6	17.5°	8600.4	8697.4	8794.4	8792.9	8791.2	8683.3	8575.3
7929.2	20°	8085.0	8299.0	8513.1	8626.8	8740.5	8702.7	8665.1
7375.0	22.5°	7569.8	7884.6	8199.5	8435.0	8670.6	8719.9	8769.2
6907.2	25°	7112.1	7494.4	7876.7	8234.4	8592.1	8747.7	8903.3
6532.3	27.5°	6733.8	7157.6	7581.3	8054.9	8528.6	8807.0	9085.2
6264.9	30°	6451.8	6893.3	7334.7	7917.9	8501.1	8915.7	9330.6
6188.3	32.5°	6335.0	6749.9	7164.8	7824.6	8484.3	9052.2	9620.3
6596.7	35°	6630.9	6918.9	7207.1	7894.5	8582.0	9277.0	9972.2
7798.7	37.5°	7642.1	7660.8	7679.5	8304.3	8929.1	9746.9	10564.7
9788.6	40°	9407.9	9080.0	8752.0	9216.7	9681.3	10570.7	11460.1
12470.3	42.5°	11778.0	11062.7	10347.3	10615.0	10882.6	11765.1	12647.5
15721.9	45°	14584.3	13438.0	12292.0	12410.3	12528.3	13321.2	14113.8
19328.9	47.5°	17663.4	16010.6	14357.3	14381.2	14405.2	15176.5	15947.6
22914.2	50°	20715.8	18585.1	16454.4	16450.4	16446.3	17398.6	18351.2
26380.5	52.5°	23660.4	21115.3	18570.3	18687.1	18803.7	19956.9	21110.3
29767.0	55°	26524.3	23692.0	20859.4	21314.0	21768.6	22908.2	24047.7
33047.7	57.5°	29374.9	26514.8	23654.6	24566.3	25478.2	26098.9	26719.4
37343.1	60°	33410.7	30704.0	27997.4	29129.7	30262.1	29298.0	28334.2
41226.6	62.5°	37485.3	35005.6	32526.1	32653.9	32781.5	30147.9	27514.2
41724.8	65°	38096.9	34945.7	31794.7	31305.9	30816.8	28345.0	25873.2
39044.0	67.5°	35400.6	32117.7	28834.5	28605.4	28376.1	26025.2	23674.3
35359.2	70°	32223.7	29288.0	26352.0	26249.3	26146.8	23589.5	21032.5
30842.9	72.5°	28494.6	26197.5	23900.5	23827.0	23753.3	20818.7	17884.4
25748.7	75°	24095.6	22308.5	20521.4	20248.7	19976.0	16939.0	13902.0
20272.9	77.5°	19100.5	17741.9	16383.3	15993.1	15602.9	12767.7	9932.7
14908.4	80°	14292.7	13267.1	12241.0	11756.0	11271.0	8886.1	6500.9
9793.4	82.5°	9536.5	8830.3	8124.0	7582.0	7040.3	5409.5	3778.9
5621.4	85°	5475.6	4895.5	4315.2	3854.3	3393.5	2528.1	1662.6
2203.4	87.5°	2191.0	1900.8	1610.7	1353.6	1096.5	805.6	514.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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