Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P956770

Luminaire Tested: **GALN-SB9B-827-U-SLR**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P956770
	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-SB9B-827-U-SLR
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 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:	44440 lumens
Efficiency:	N/A
Efficacy:	134.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B4 - U0 - G5
Input Watts (W):	329.5
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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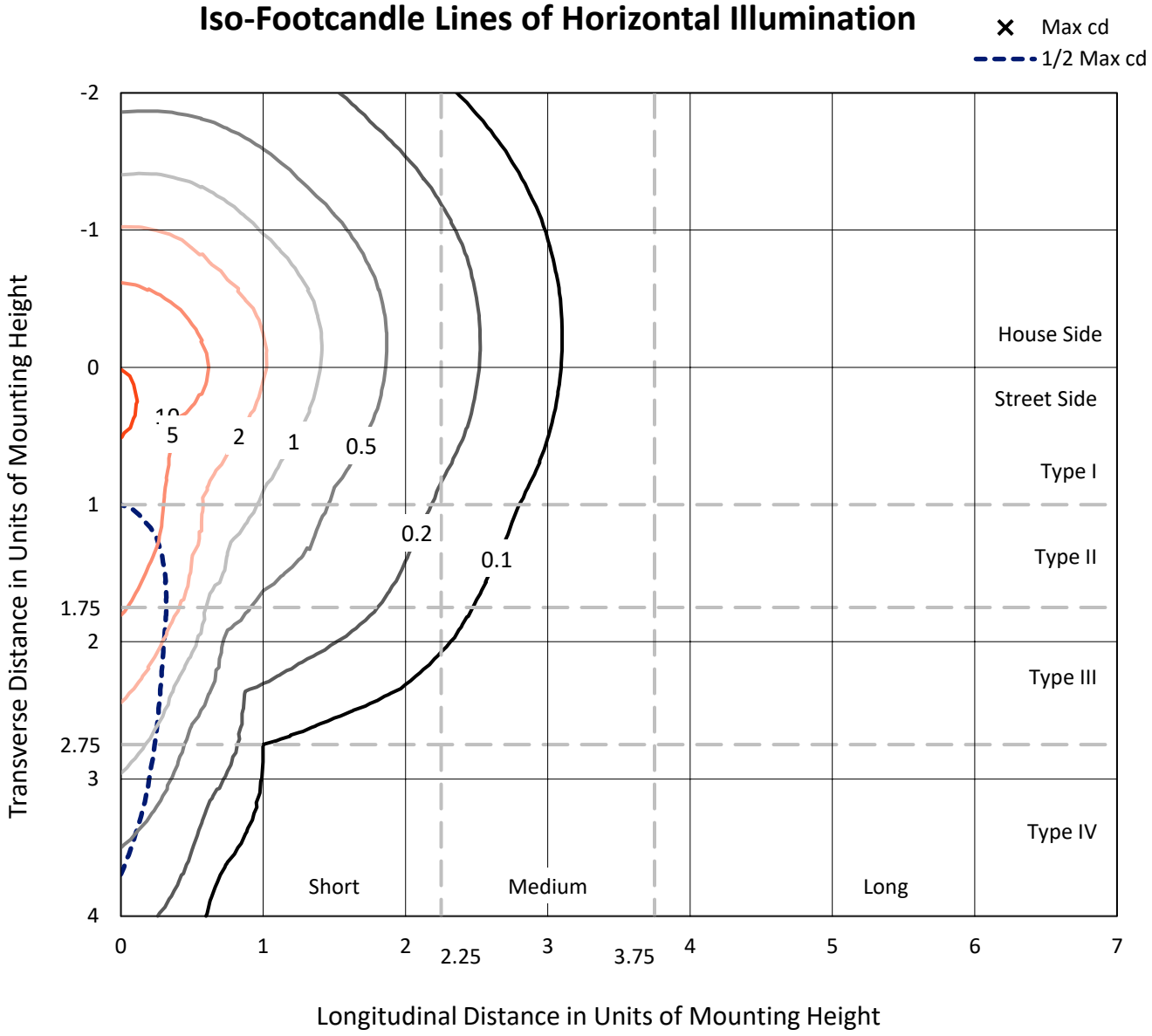
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
Type IV - Short - N/A

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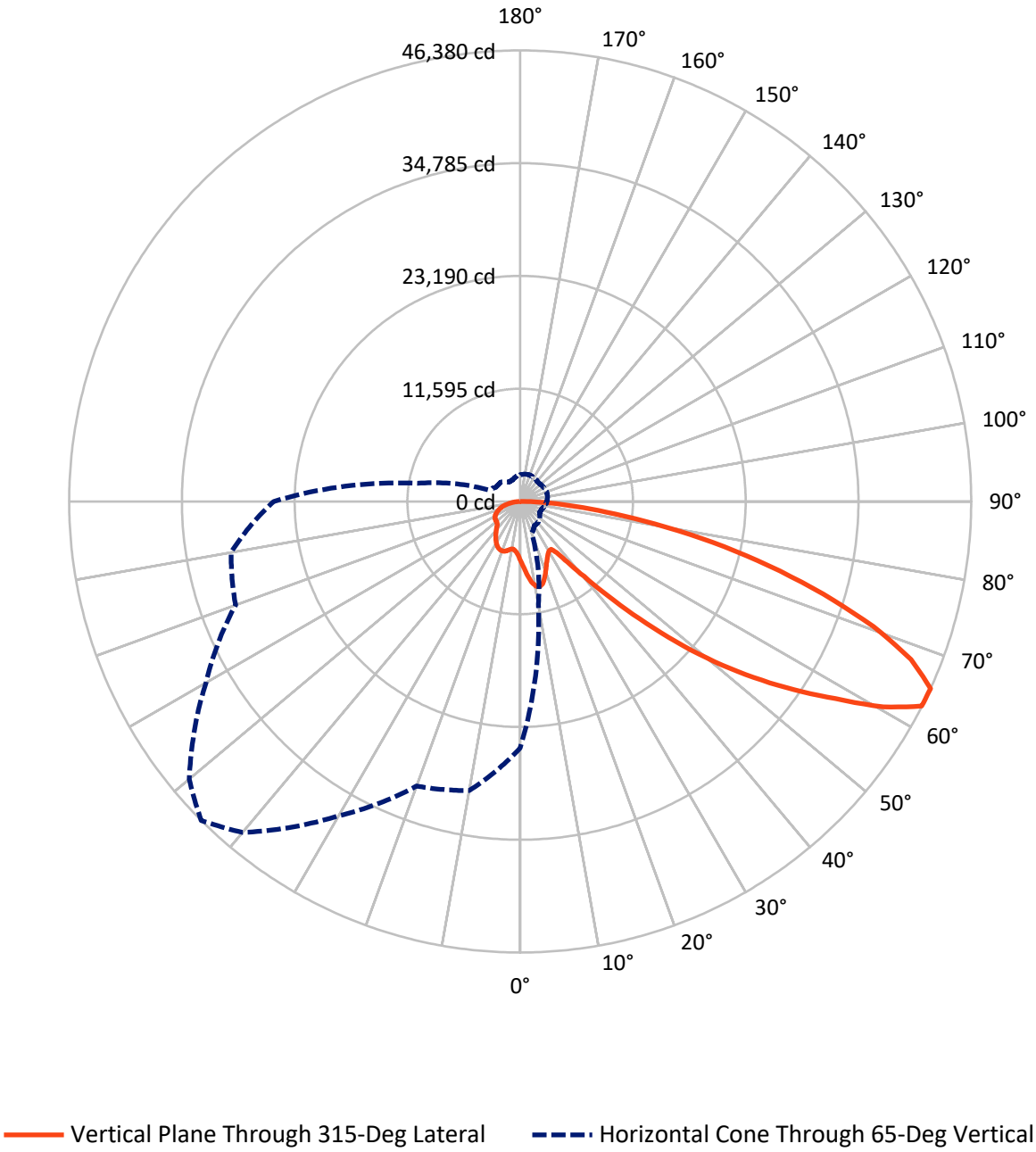
Luminous Intensity Polar Plot



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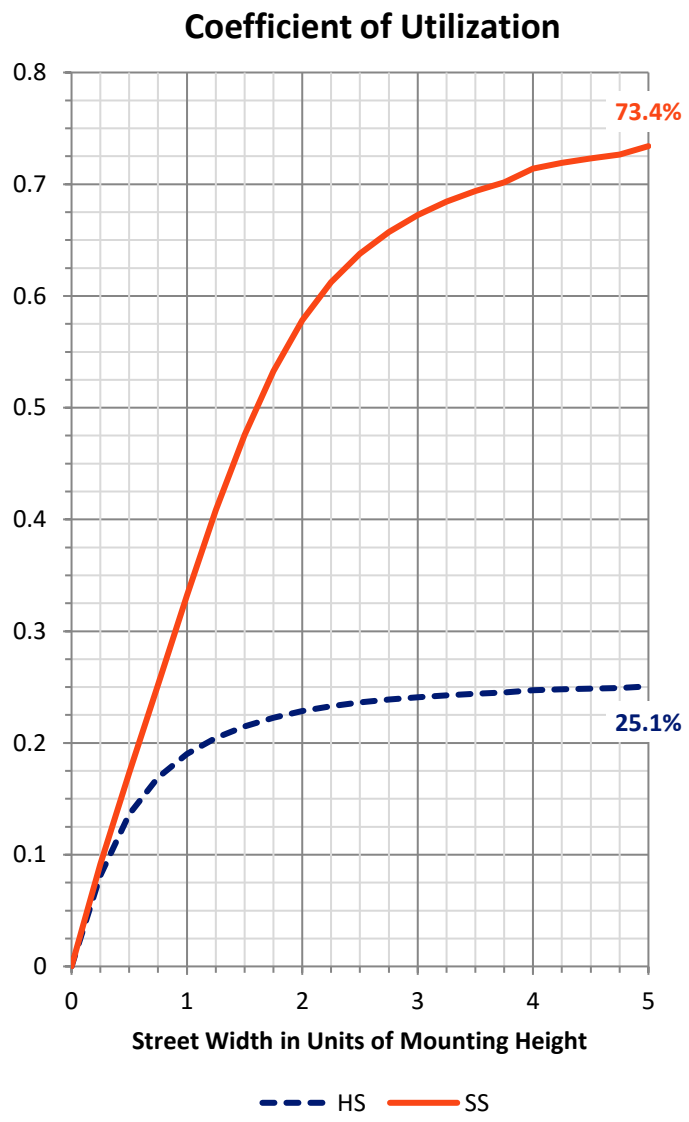
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11294.4	0.0	11294.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	33145.6	0.0	33145.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	44440.0	0.0	44440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.2	1.4
10°-20°	1903.0	4.3
20°-30°	2939.4	6.6
30°-40°	3725.0	8.4
40°-50°	5618.2	12.6
50°-60°	9077.1	20.4
60°-70°	11316.0	25.5
70°-80°	7420.5	16.7
80°-90°	1834.5	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°	44440.0	100.0
0°-180°	44440.0	100.0



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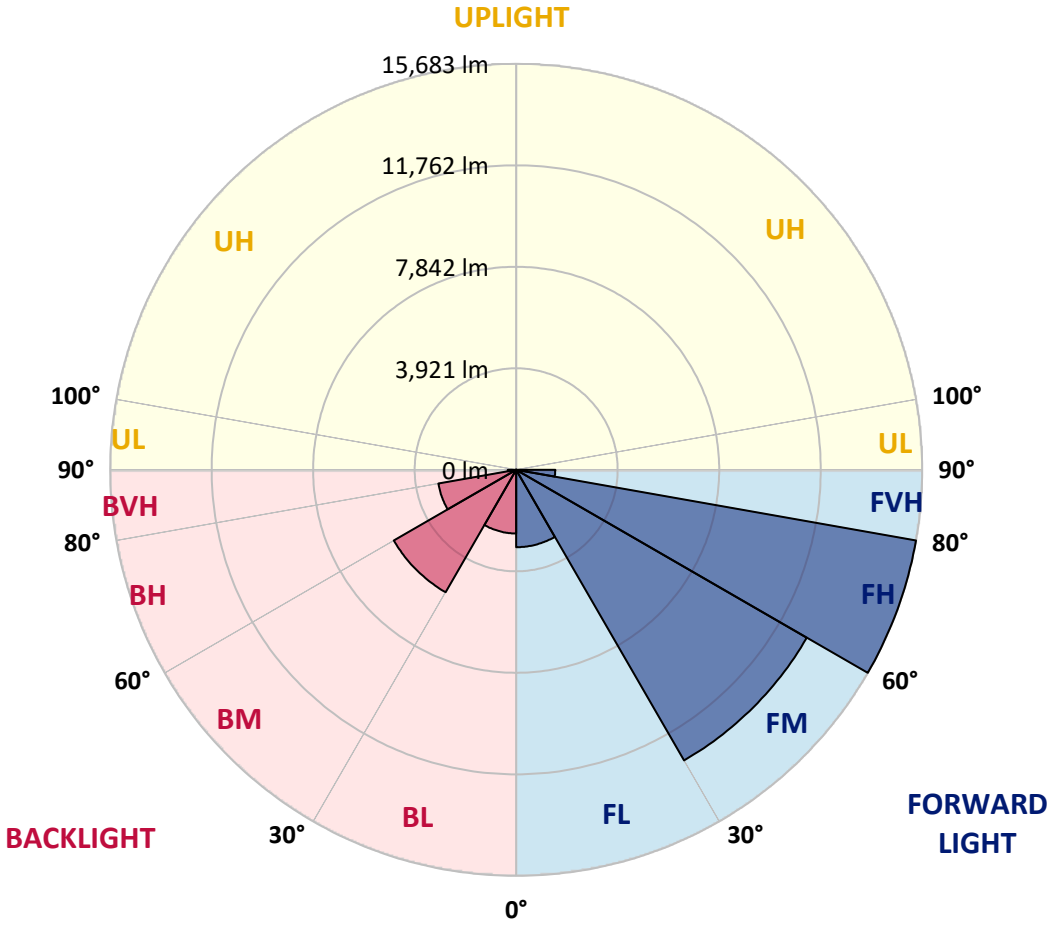
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2989.1	6.7			
FM	(30°-60°)	12962.2	29.2			
FH	(60°-80°)	15683.1	35.3			G5
FVH	(80°-90°)	1511.2	3.4			G5
BL	(0°-30°)	2459.5	5.5	B3/2500		
BM	(30°-60°)	5458.1	12.3	B4/8500		
BH	(60°-80°)	3053.5	6.9	B4/5000		G4/5000
BVH	(80°-90°)	323.3	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°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
2.5°	6571.7	6521.2	6470.8	6417.1	6363.7	6309.7	6255.8	6204.2	6152.6	6102.7
5°	7066.4	6955.1	6843.7	6732.5	6621.6	6509.8	6398.1	6293.8	6189.4	6091.0
7.5°	7563.6	7379.7	7196.1	7026.3	6856.6	6691.3	6525.9	6380.3	6234.7	6100.3
10°	7944.6	7712.2	7479.9	7255.4	7031.3	6830.5	6629.6	6457.5	6284.9	6119.1
12.5°	8177.9	7922.6	7667.4	7413.3	7159.1	6922.2	6685.4	6490.5	6295.7	6121.4
15°	8319.8	8053.7	7787.5	7511.7	7236.0	6963.3	6690.5	6465.0	6239.4	6046.4
17.5°	8399.5	8129.6	7859.7	7558.9	7258.0	6941.5	6624.9	6353.6	6082.3	5855.3
20°	8487.5	8207.0	7926.3	7595.7	7265.1	6881.4	6497.8	6161.5	5825.3	5561.0
22.5°	8589.5	8302.9	8016.1	7645.4	7274.4	6807.8	6341.2	5936.2	5531.2	5230.4
25°	8720.8	8439.9	8159.2	7735.4	7311.5	6735.1	6159.0	5684.6	5210.4	4902.1
27.5°	8899.0	8631.2	8363.2	7876.1	7388.9	6686.6	5984.3	5454.5	4924.8	4644.1
30°	9139.4	8880.5	8621.8	8058.3	7494.9	6663.8	5832.3	5262.3	4692.2	4456.5
32.5°	9423.1	9166.8	8910.7	8248.5	7586.3	6635.7	5684.6	5096.5	4508.1	4318.2
35°	9767.8	9522.5	9277.0	8465.2	7653.4	6582.7	5512.5	4933.5	4354.5	4196.2
37.5°	10348.2	10035.4	9722.5	8707.9	7693.2	6491.9	5290.6	4741.7	4192.7	4054.4
40°	11225.2	10769.3	10313.5	9016.0	7718.3	6366.9	5015.8	4512.8	4009.8	3884.4
42.5°	12388.3	11730.3	11072.3	9419.1	7765.9	6238.0	4710.5	4260.3	3810.0	3694.4
45°	13824.5	12937.0	12049.4	9949.5	7849.6	6118.2	4386.9	3992.0	3597.1	3479.9
47.5°	15620.7	14371.6	13122.2	10514.7	7907.1	6019.2	4131.3	3779.8	3428.3	3277.0
50°	17975.0	16091.8	14208.4	11039.0	7869.6	5911.3	3953.1	3638.9	3324.6	3125.8
52.5°	20677.6	17898.8	15120.1	11379.5	7638.6	5729.1	3819.9	3546.0	3272.3	3043.7
55°	23554.8	19500.9	15447.2	11304.4	7161.4	5427.1	3692.8	3478.7	3264.6	3051.9
57.5°	26171.7	20636.3	15100.9	10776.4	6452.1	5001.3	3550.2	3399.0	3247.7	3060.1
60°	27753.4	20920.0	14086.5	9793.6	5500.7	4448.3	3395.9	3277.0	3158.1	3034.3
62.5°	26950.3	19725.3	12500.3	8464.7	4429.1	3786.6	3144.1	3065.1	2986.3	2971.0
65°	*25342.8*	*18034.8*	*10726.9*	*7108.9*	*3491.1*	*3191.2*	*2891.3*	*2854.0*	*2816.7*	*2818.6*
67.5°	23189.0	16023.1	8857.3	5780.7	2704.2	2619.1	2533.7	2554.6	2575.2	2570.0
70°	20601.4	13828.0	7054.7	4551.5	2048.3	2072.7	2096.8	2193.4	2289.8	2289.8
72.5°	17517.8	11448.4	5379.3	3479.6	1580.0	1653.4	1727.0	1864.0	2000.7	2023.7
75°	13617.0	8720.6	3824.1	2525.5	1226.9	1293.5	1360.1	1513.4	1666.8	1772.8
77.5°	9729.1	6103.6	2478.1	1711.3	944.5	989.8	1035.3	1184.2	1333.1	1507.8
80°	6367.7	3932.4	1497.2	1102.6	708.2	726.9	745.7	871.8	997.8	1206.5
82.5°	3701.5	2276.0	850.7	678.2	506.0	509.3	513.1	605.9	698.8	877.0
85°	1628.6	1023.8	419.3	362.5	306.0	304.4	302.5	370.5	438.5	571.0
87.5°	504.2	335.3	166.5	150.3	134.1	132.5	130.8	158.5	186.4	241.5
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°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
6047.1	2.5°	6002.1	5957.3	5916.7	5876.4	5841.0	5805.6	5769.9	5734.5	5707.1	5679.4
5993.6	5°	5908.7	5823.6	5752.3	5681.3	5618.4	5555.6	5498.6	5441.4	5397.6	5353.5
5974.4	7.5°	5861.4	5748.6	5654.8	5561.0	5482.0	5402.7	5332.8	5263.2	5210.9	5158.8
5983.8	10°	5864.7	5745.5	5651.7	5557.9	5472.8	5387.5	5308.9	5230.4	5168.0	5105.4
5995.5	12.5°	5898.0	5800.9	5738.5	5676.6	5609.5	5542.9	5461.6	5380.4	5300.7	5221.0
5945.6	15°	5898.9	5852.5	5860.9	5869.4	5852.0	5834.7	5764.1	5693.5	5580.0	5466.5
5793.1	17.5°	5810.3	5827.1	5929.4	6031.6	6086.0	6140.2	6083.2	6026.5	5876.2	5725.8
5544.6	20°	5624.3	5704.0	5881.5	6059.3	6173.0	6286.8	6260.5	6234.0	6062.1	5890.5
5262.5	22.5°	5380.4	5498.4	5701.0	5904.1	6052.0	6200.0	6215.9	6231.6	6067.5	5903.4
4988.8	25°	5124.8	5260.8	5443.0	5625.5	5771.1	5916.7	5971.1	6025.3	5890.7	5756.3
4749.7	27.5°	4881.0	5012.3	5162.1	5311.7	5428.5	5545.3	5605.8	5666.5	5570.6	5474.9
4539.3	30°	4643.4	4748.0	4872.3	4996.6	5093.4	5190.5	5239.7	5289.0	5216.1	5142.9
4355.0	32.5°	4416.7	4478.3	4577.5	4677.0	4769.8	4862.9	4917.5	4972.4	4905.4	4838.1
4181.0	35°	4197.9	4215.0	4290.7	4366.3	4458.2	4550.3	4616.0	4681.6	4633.8	4586.2
3998.6	37.5°	3979.8	3961.1	4015.5	4069.6	4161.3	4253.2	4334.4	4415.5	4393.5	4371.4
3798.8	40°	3756.3	3713.9	3753.1	3792.2	3880.9	3969.5	4062.8	4156.4	4161.8	4166.9
3586.6	42.5°	3530.3	3474.0	3505.9	3538.0	3622.0	3706.2	3807.0	3907.8	3934.8	3961.8
3375.5	45°	3320.7	3266.0	3292.7	3319.9	3399.7	3479.4	3584.0	3688.6	3727.3	3766.0
3187.2	47.5°	3141.3	3095.3	3120.6	3145.7	3223.8	3301.7	3404.8	3508.0	3552.6	3597.1
3021.4	50°	2980.6	2940.1	2979.5	3019.1	3092.7	3166.1	3258.5	3350.9	3408.1	3465.3
2897.9	52.5°	2857.5	2817.4	2876.8	2935.9	3003.4	3070.7	3156.7	3243.0	3310.8	3378.6
2832.2	55°	2768.4	2704.9	2789.1	2873.0	2945.7	3018.4	3093.9	3169.2	3240.9	3312.9
2792.8	57.5°	2700.0	2607.1	2697.6	2788.1	2873.5	2958.8	3033.4	3108.2	3180.7	3252.9
2755.8	60°	2635.5	2514.9	2594.4	2673.7	2771.7	2869.7	2945.5	3021.4	3094.1	3166.8
2712.6	62.5°	2562.1	2411.8	2462.2	2512.6	2626.8	2741.2	2822.1	2903.0	2969.6	3036.2
2621.6	65°	*2461.7*	*2301.5*	*2321.0*	*2340.2*	*2462.6*	*2585.3*	*2662.7*	*2740.0*	*2798.7*	*2857.3*
2459.4	67.5°	2326.2	2193.0	2186.9	2180.8	2293.8	2407.1	2480.5	2553.6	2604.3	2654.9
2253.5	70°	2158.7	2064.0	2042.9	2021.8	2121.2	2220.6	2284.0	2347.3	2393.0	2438.7
2024.1	72.5°	1959.2	1894.2	1863.3	1832.6	1910.9	1989.0	2046.2	2103.4	2148.2	2193.0
1763.9	75°	1713.9	1663.7	1634.2	1604.4	1662.6	1720.7	1772.5	1824.4	1865.2	1906.0
1503.1	77.5°	1463.0	1422.9	1392.9	1362.9	1410.2	1457.4	1501.9	1546.5	1589.4	1632.1
1205.8	80°	1172.2	1138.5	1113.4	1088.0	1127.4	1166.6	1204.1	1241.6	1274.2	1306.6
886.9	82.5°	870.4	854.0	836.2	818.4	815.1	811.8	798.7	785.6	855.0	924.4
583.9	85°	566.3	548.7	528.8	508.8	492.0	474.8	438.5	402.2	467.1	532.3
257.9	87.5°	250.9	243.9	240.1	236.4	235.7	235.0	207.3	179.4	206.6	234.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
5657.1	2.5°	5634.9	5617.5	5600.2	5584.2	5568.0	5548.1	5568.0	5584.2	5600.2	5617.5
5322.8	5°	5292.0	5270.2	5248.4	5231.8	5215.1	5198.7	5215.1	5231.8	5248.4	5270.2
5122.3	7.5°	5085.7	5060.6	5035.7	5020.7	5006.0	4994.7	5006.0	5020.7	5035.7	5060.6
5064.6	10°	5023.3	4999.6	4975.9	4963.3	4950.6	4945.5	4950.6	4963.3	4975.9	4999.6
5168.2	12.5°	5115.5	5089.0	5062.7	5051.9	5041.1	5039.3	5041.1	5051.9	5062.7	5089.0
5386.3	15°	5306.1	5269.3	5232.7	5218.6	5204.6	5203.4	5204.6	5218.6	5232.7	5269.3
5607.7	17.5°	5489.5	5435.1	5380.4	5362.6	5344.6	5341.7	5344.6	5362.6	5380.4	5435.1
5745.5	20°	5600.9	5531.2	5461.3	5439.1	5416.8	5409.7	5416.8	5439.1	5461.3	5531.2
5754.2	22.5°	5604.8	5531.5	5457.8	5433.2	5408.6	5398.0	5408.6	5433.2	5457.8	5531.5
5623.6	25°	5491.4	5427.6	5364.0	5340.8	5317.8	5304.2	5317.8	5340.8	5364.0	5427.6
5372.0	27.5°	5269.1	5226.4	5183.5	5172.9	5162.4	5158.8	5162.4	5172.9	5183.5	5226.4
5069.3	30°	4995.2	4973.4	4951.3	4951.3	4951.3	4954.8	4951.3	4951.3	4951.3	4973.4
4779.2	32.5°	4720.3	4706.0	4691.7	4693.6	4695.7	4699.2	4695.7	4693.6	4691.7	4706.0
4531.8	35°	4477.6	4455.8	4434.3	4429.6	4424.9	4422.5	4424.9	4429.6	4434.3	4455.8
4321.5	37.5°	4271.3	4231.7	4192.3	4171.4	4150.5	4138.8	4150.5	4171.4	4192.3	4231.7
4124.5	40°	4082.1	4024.4	3967.1	3928.2	3889.8	3866.8	3889.8	3928.2	3967.1	4024.4
3925.9	42.5°	3890.2	3818.7	3747.2	3690.7	3634.2	3597.1	3634.2	3690.7	3747.2	3818.7
3733.6	45°	3701.5	3619.6	3538.0	3471.7	3405.3	3362.6	3405.3	3471.7	3538.0	3619.6
3574.6	47.5°	3552.1	3479.4	3406.7	3345.3	3284.1	3243.0	3284.1	3345.3	3406.7	3479.4
3463.9	50°	3463.0	3404.8	3346.7	3289.9	3233.2	3193.8	3233.2	3289.9	3346.7	3404.8
3390.8	52.5°	3403.0	3355.6	3308.2	3257.3	3206.7	3170.3	3206.7	3257.3	3308.2	3355.6
3329.8	55°	3346.7	3305.4	3264.1	3219.6	3175.0	3142.2	3175.0	3219.6	3264.1	3305.4
3270.0	57.5°	3287.1	3245.4	3203.6	3159.6	3115.2	3081.2	3115.2	3159.6	3203.6	3245.4
3185.6	60°	3204.3	3163.5	3123.0	3077.5	3032.0	2996.8	3032.0	3077.5	3123.0	3163.5
3054.3	62.5°	3072.3	3035.5	2998.7	2950.9	2903.0	2860.8	2903.0	2950.9	2998.7	3035.5
2875.8	65°	*2894.1*	*2858.7*	*2823.3*	*2776.9*	*2730.7*	*2694.3*	*2730.7*	*2776.9*	*2823.3*	*2858.7*
2673.0	67.5°	2690.8	2658.2	2625.9	2582.7	2539.6	2506.7	2539.6	2582.7	2625.9	2658.2
2456.1	70°	2473.4	2446.9	2420.4	2379.2	2337.9	2300.4	2337.9	2379.2	2420.4	2446.9
2213.6	72.5°	2234.2	2212.2	2190.2	2150.8	2111.6	2075.3	2111.6	2150.8	2190.2	2212.2
1927.5	75°	1949.1	1938.3	1927.5	1894.5	1861.4	1826.7	1861.4	1894.5	1927.5	1938.3
1652.2	77.5°	1672.4	1657.4	1641.9	1608.6	1575.3	1547.7	1575.3	1608.6	1641.9	1657.4
1333.3	80°	1360.1	1353.5	1347.2	1302.4	1257.4	1205.3	1257.4	1302.4	1347.2	1353.5
969.9	82.5°	1015.4	1012.5	1009.5	971.7	933.8	900.5	933.8	971.7	1009.5	1012.5
588.6	85°	644.9	640.2	635.5	605.9	576.4	546.4	576.4	605.9	635.5	640.2
256.8	87.5°	279.5	273.9	267.8	252.8	237.3	222.8	237.3	252.8	267.8	273.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
5634.9	2.5°	5657.1	5679.4	5707.1	5734.5	5769.9	5805.6	5841.0	5876.4	5916.7	5957.3
5292.0	5°	5322.8	5353.5	5397.6	5441.4	5498.6	5555.6	5618.4	5681.3	5752.3	5823.6
5085.7	7.5°	5122.3	5158.8	5210.9	5263.2	5332.8	5402.7	5482.0	5561.0	5654.8	5748.6
5023.3	10°	5064.6	5105.4	5168.0	5230.4	5308.9	5387.5	5472.8	5557.9	5651.7	5745.5
5115.5	12.5°	5168.2	5221.0	5300.7	5380.4	5461.6	5542.9	5609.5	5676.6	5738.5	5800.9
5306.1	15°	5386.3	5466.5	5580.0	5693.5	5764.1	5834.7	5852.0	5869.4	5860.9	5852.5
5489.5	17.5°	5607.7	5725.8	5876.2	6026.5	6083.2	6140.2	6086.0	6031.6	5929.4	5827.1
5600.9	20°	5745.5	5890.5	6062.1	6234.0	6260.5	6286.8	6173.0	6059.3	5881.5	5704.0
5604.8	22.5°	5754.2	5903.4	6067.5	6231.6	6215.9	6200.0	6052.0	5904.1	5701.0	5498.4
5491.4	25°	5623.6	5756.3	5890.7	6025.3	5971.1	5916.7	5771.1	5625.5	5443.0	5260.8
5269.1	27.5°	5372.0	5474.9	5570.6	5666.5	5605.8	5545.3	5428.5	5311.7	5162.1	5012.3
4995.2	30°	5069.3	5142.9	5216.1	5289.0	5239.7	5190.5	5093.4	4996.6	4872.3	4748.0
4720.3	32.5°	4779.2	4838.1	4905.4	4972.4	4917.5	4862.9	4769.8	4677.0	4577.5	4478.3
4477.6	35°	4531.8	4586.2	4633.8	4681.6	4616.0	4550.3	4458.2	4366.3	4290.7	4215.0
4271.3	37.5°	4321.5	4371.4	4393.5	4415.5	4334.4	4253.2	4161.3	4069.6	4015.5	3961.1
4082.1	40°	4124.5	4166.9	4161.8	4156.4	4062.8	3969.5	3880.9	3792.2	3753.1	3713.9
3890.2	42.5°	3925.9	3961.8	3934.8	3907.8	3807.0	3706.2	3622.0	3538.0	3505.9	3474.0
3701.5	45°	3733.6	3766.0	3727.3	3688.6	3584.0	3479.4	3399.7	3319.9	3292.7	3266.0
3552.1	47.5°	3574.6	3597.1	3552.6	3508.0	3404.8	3301.7	3223.8	3145.7	3120.6	3095.3
3463.0	50°	3463.9	3465.3	3408.1	3350.9	3258.5	3166.1	3092.7	3019.1	2979.5	2940.1
3403.0	52.5°	3390.8	3378.6	3310.8	3243.0	3156.7	3070.7	3003.4	2935.9	2876.8	2817.4
3346.7	55°	3329.8	3312.9	3240.9	3169.2	3093.9	3018.4	2945.7	2873.0	2789.1	2704.9
3287.1	57.5°	3270.0	3252.9	3180.7	3108.2	3033.4	2958.8	2873.5	2788.1	2697.6	2607.1
3204.3	60°	3185.6	3166.8	3094.1	3021.4	2945.5	2869.7	2771.7	2673.7	2594.4	2514.9
3072.3	62.5°	3054.3	3036.2	2969.6	2903.0	2822.1	2741.2	2626.8	2512.6	2462.2	2411.8
2894.1	65°	*2875.8*	*2857.3*	*2798.7*	*2740.0*	*2662.7*	*2585.3*	*2462.6*	*2340.2*	*2321.0*	*2301.5*
2690.8	67.5°	2673.0	2654.9	2604.3	2553.6	2480.5	2407.1	2293.8	2180.8	2186.9	2193.0
2473.4	70°	2456.1	2438.7	2393.0	2347.3	2284.0	2220.6	2121.2	2021.8	2042.9	2064.0
2234.2	72.5°	2213.6	2193.0	2148.2	2103.4	2046.2	1989.0	1910.9	1832.6	1863.3	1894.2
1949.1	75°	1927.5	1906.0	1865.2	1824.4	1772.5	1720.7	1662.6	1604.4	1634.2	1663.7
1672.4	77.5°	1652.2	1632.1	1589.4	1546.5	1501.9	1457.4	1410.2	1362.9	1392.9	1422.9
1360.1	80°	1333.3	1306.6	1274.2	1241.6	1204.1	1166.6	1127.4	1088.0	1113.4	1138.5
1015.4	82.5°	969.9	924.4	855.0	785.6	798.7	811.8	815.1	818.4	836.2	854.0
644.9	85°	588.6	532.3	467.1	402.2	438.5	474.8	492.0	508.8	528.8	548.7
279.5	87.5°	256.8	234.0	206.6	179.4	207.3	235.0	235.7	236.4	240.1	243.9
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°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
6002.1	2.5°	6047.1	6102.7	6152.6	6204.2	6255.8	6309.7	6363.7	6417.1	6470.8	6521.2
5908.7	5°	5993.6	6091.0	6189.4	6293.8	6398.1	6509.8	6621.6	6732.5	6843.7	6955.1
5861.4	7.5°	5974.4	6100.3	6234.7	6380.3	6525.9	6691.3	6856.6	7026.3	7196.1	7379.7
5864.7	10°	5983.8	6119.1	6284.9	6457.5	6629.6	6830.5	7031.3	7255.4	7479.9	7712.2
5898.0	12.5°	5995.5	6121.4	6295.7	6490.5	6685.4	6922.2	7159.1	7413.3	7667.4	7922.6
5898.9	15°	5945.6	6046.4	6239.4	6465.0	6690.5	6963.3	7236.0	7511.7	7787.5	8053.7
5810.3	17.5°	5793.1	5855.3	6082.3	6353.6	6624.9	6941.5	7258.0	7558.9	7859.7	8129.6
5624.3	20°	5544.6	5561.0	5825.3	6161.5	6497.8	6881.4	7265.1	7595.7	7926.3	8207.0
5380.4	22.5°	5262.5	5230.4	5531.2	5936.2	6341.2	6807.8	7274.4	7645.4	8016.1	8302.9
5124.8	25°	4988.8	4902.1	5210.4	5684.6	6159.0	6735.1	7311.5	7735.4	8159.2	8439.9
4881.0	27.5°	4749.7	4644.1	4924.8	5454.5	5984.3	6686.6	7388.9	7876.1	8363.2	8631.2
4643.4	30°	4539.3	4456.5	4692.2	5262.3	5832.3	6663.8	7494.9	8058.3	8621.8	8880.5
4416.7	32.5°	4355.0	4318.2	4508.1	5096.5	5684.6	6635.7	7586.3	8248.5	8910.7	9166.8
4197.9	35°	4181.0	4196.2	4354.5	4933.5	5512.5	6582.7	7653.4	8465.2	9277.0	9522.5
3979.8	37.5°	3998.6	4054.4	4192.7	4741.7	5290.6	6491.9	7693.2	8707.9	9722.5	10035.4
3756.3	40°	3798.8	3884.4	4009.8	4512.8	5015.8	6366.9	7718.3	9016.0	10313.5	10769.3
3530.3	42.5°	3586.6	3694.4	3810.0	4260.3	4710.5	6238.0	7765.9	9419.1	11072.3	11730.3
3320.7	45°	3375.5	3479.9	3597.1	3992.0	4386.9	6118.2	7849.6	9949.5	12049.4	12937.0
3141.3	47.5°	3187.2	3277.0	3428.3	3779.8	4131.3	6019.2	7907.1	10514.7	13122.2	14371.6
2980.6	50°	3021.4	3125.8	3324.6	3638.9	3953.1	5911.3	7869.6	11039.0	14208.4	16091.8
2857.5	52.5°	2897.9	3043.7	3272.3	3546.0	3819.9	5729.1	7638.6	11379.5	15120.1	17898.8
2768.4	55°	2832.2	3051.9	3264.6	3478.7	3692.8	5427.1	7161.4	11304.4	15447.2	19500.9
2700.0	57.5°	2792.8	3060.1	3247.7	3399.0	3550.2	5001.3	6452.1	10776.4	15100.9	20636.3
2635.5	60°	2755.8	3034.3	3158.1	3277.0	3395.9	4448.3	5500.7	9793.6	14086.5	20920.0
2562.1	62.5°	2712.6	2971.0	2986.3	3065.1	3144.1	3786.6	4429.1	8464.7	12500.3	19725.3
2461.7	65°	*2621.6*	*2818.6*	*2816.7*	*2854.0*	*2891.3*	*3191.2*	*3491.1*	*7108.9*	*10726.9*	*18034.8*
2326.2	67.5°	2459.4	2570.0	2575.2	2554.6	2533.7	2619.1	2704.2	5780.7	8857.3	16023.1
2158.7	70°	2253.5	2289.8	2289.8	2193.4	2096.8	2072.7	2048.3	4551.5	7054.7	13828.0
1959.2	72.5°	2024.1	2023.7	2000.7	1864.0	1727.0	1653.4	1580.0	3479.6	5379.3	11448.4
1713.9	75°	1763.9	1772.8	1666.8	1513.4	1360.1	1293.5	1226.9	2525.5	3824.1	8720.6
1463.0	77.5°	1503.1	1507.8	1333.1	1184.2	1035.3	989.8	944.5	1711.3	2478.1	6103.6
1172.2	80°	1205.8	1206.5	997.8	871.8	745.7	726.9	708.2	1102.6	1497.2	3932.4
870.4	82.5°	886.9	877.0	698.8	605.9	513.1	509.3	506.0	678.2	850.7	2276.0
566.3	85°	583.9	571.0	438.5	370.5	302.5	304.4	306.0	362.5	419.3	1023.8
250.9	87.5°	257.9	241.5	186.4	158.5	130.8	132.5	134.1	150.3	166.5	335.3
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°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	*6110.9*	6110.9
6571.7	2.5°	6596.5	6621.6	6657.0	6692.4	6713.5	6734.6	6745.2	6755.7	*6751.0*	6755.7
7066.4	5°	7153.4	7240.7	7327.0	7413.5	7460.4	7507.3	7535.7	7564.3	*7585.8*	7564.3
7563.6	7.5°	7705.2	7846.6	7973.9	8101.3	8177.9	8254.6	8296.1	8337.4	*8357.3*	8337.4
7944.6	10°	8112.0	8279.5	8428.8	8578.2	8668.7	8758.8	8799.1	8839.2	*8854.4*	8839.2
8177.9	12.5°	8359.4	8540.7	8675.8	8810.4	8876.0	8941.7	8963.7	8985.8	*8988.1*	8985.8
8319.8	15°	8476.4	8632.9	8717.5	8802.4	8804.7	8807.1	8783.6	8760.2	*8732.5*	8760.2
8399.5	17.5°	8505.3	8611.0	8612.7	8614.1	8519.1	8424.2	8337.2	8249.9	*8188.5*	8249.9
8487.5	20°	8524.3	8561.3	8449.9	8338.6	8128.9	7919.3	7766.6	7614.0	*7520.2*	7614.0
8589.5	22.5°	8541.2	8492.9	8262.1	8031.4	7723.0	7414.7	7223.8	7032.9	*6929.3*	7032.9
8720.8	25°	8568.4	8415.9	8065.6	7715.3	7340.8	6966.3	6765.6	6565.3	*6467.3*	6565.3
8899.0	27.5°	8626.5	8353.8	7889.7	7425.9	7010.9	6595.8	6398.4	6201.2	*6108.5*	6201.2
9139.4	30°	8733.0	8326.8	7755.6	7184.4	6752.0	6319.6	6136.4	5953.3	*5867.0*	5953.3
9423.1	32.5°	8866.6	8310.4	7664.2	7017.9	6611.5	6205.1	6061.4	5917.4	*5855.3*	5917.4
9767.8	35°	9086.8	8406.1	7732.6	7059.4	6777.1	6495.0	6461.4	6427.9	*6422.8*	6427.9
10348.2	37.5°	9547.1	8746.1	8134.1	7522.1	7503.8	7485.5	7638.8	7792.2	*7871.9*	7792.2
11225.2	40°	10354.0	9482.9	9027.7	8572.6	8893.8	9215.1	9587.9	9960.8	*10146.5*	9960.8
12388.3	42.5°	11523.9	10659.6	10397.4	10135.2	10835.9	11536.6	12214.7	12892.9	*13291.1*	12892.9
13824.5	45°	13048.1	12271.5	12155.9	12040.0	13162.6	14285.3	15399.6	16514.2	*17190.7*	16514.2
15620.7	47.5°	14865.4	14109.9	14086.5	14063.0	15682.4	17301.3	18932.7	20563.8	*21521.8*	20563.8
17975.0	50°	17042.0	16109.2	16113.2	16117.2	18204.1	20291.1	22444.5	24597.8	*25899.7*	24597.8
20677.6	52.5°	19547.8	18418.2	18304.0	18189.6	20682.5	23175.4	25839.7	28503.8	*30064.3*	28503.8
23554.8	55°	22438.6	21322.4	20877.1	20431.8	23206.3	25980.6	29156.8	32333.0	*34189.1*	32333.0
26171.7	57.5°	25563.9	24955.9	24062.7	23169.8	25971.3	28772.7	32370.3	35967.7	*38269.2*	35967.7
27753.4	60°	28697.5	29641.8	28532.6	27423.5	30074.6	32725.8	36577.6	40429.4	*42916.9*	40429.4
26950.3	62.5°	29529.9	32109.6	31984.6	31859.4	34288.0	36716.9	40381.5	44046.0	*46345.2*	44046.0
25342.8	65°	*27763.9*	*30185.1*	*30664.2*	*31143.0*	*34229.4*	*37316.0*	*40869.5*	*44422.8*	*46380.3*	*44422.8*
23189.0	67.5°	25491.7	27794.4	28019.1	28243.5	31459.3	34674.9	38243.7	41812.4	*43346.0*	41812.4
20601.4	70°	23106.0	25610.8	25711.2	25811.8	28687.6	31563.2	34634.4	37705.3	*38557.7*	37705.3
17517.8	72.5°	20392.0	23266.4	23338.6	23410.6	25660.5	27910.5	30210.6	32510.6	*32596.8*	32510.6
13617.0	75°	16591.8	19566.5	19833.6	20100.7	21851.2	23601.7	25220.9	26840.0	*26406.2*	26840.0
9729.1	77.5°	12506.0	15283.1	15665.3	16047.5	17378.3	18709.0	19857.3	21005.9	*20260.2*	21005.9
6367.7	80°	8703.9	11039.9	11515.0	11990.1	12995.1	13999.7	14602.8	15205.7	*14006.3*	15205.7
3701.5	82.5°	5298.6	6896.0	7426.6	7957.5	8649.3	9341.0	9592.6	9844.0	*8901.3*	9844.0
1628.6	85°	2476.2	3323.9	3775.3	4226.7	4795.1	5363.3	5506.1	5648.9	*4893.9*	5648.9
504.2	87.5°	789.1	1074.0	1325.8	1577.7	1861.9	2146.1	2158.3	2170.2	*1822.0*	2170.2
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°
6110.9	0°	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9	6110.9
6745.2	2.5°	6734.6	6713.5	6692.4	6657.0	6621.6	6596.5	6571.7
7535.7	5°	7507.3	7460.4	7413.5	7327.0	7240.7	7153.4	7066.4
8296.1	7.5°	8254.6	8177.9	8101.3	7973.9	7846.6	7705.2	7563.6
8799.1	10°	8758.8	8668.7	8578.2	8428.8	8279.5	8112.0	7944.6
8963.7	12.5°	8941.7	8876.0	8810.4	8675.8	8540.7	8359.4	8177.9
8783.6	15°	8807.1	8804.7	8802.4	8717.5	8632.9	8476.4	8319.8
8337.2	17.5°	8424.2	8519.1	8614.1	8612.7	8611.0	8505.3	8399.5
7766.6	20°	7919.3	8128.9	8338.6	8449.9	8561.3	8524.3	8487.5
7223.8	22.5°	7414.7	7723.0	8031.4	8262.1	8492.9	8541.2	8589.5
6765.6	25°	6966.3	7340.8	7715.3	8065.6	8415.9	8568.4	8720.8
6398.4	27.5°	6595.8	7010.9	7425.9	7889.7	8353.8	8626.5	8899.0
6136.4	30°	6319.6	6752.0	7184.4	7755.6	8326.8	8733.0	9139.4
6061.4	32.5°	6205.1	6611.5	7017.9	7664.2	8310.4	8866.6	9423.1
6461.4	35°	6495.0	6777.1	7059.4	7732.6	8406.1	9086.8	9767.8
7638.8	37.5°	7485.5	7503.8	7522.1	8134.1	8746.1	9547.1	10348.2
9587.9	40°	9215.1	8893.8	8572.6	9027.7	9482.9	10354.0	11225.2
12214.7	42.5°	11536.6	10835.9	10135.2	10397.4	10659.6	11523.9	12388.3
15399.6	45°	14285.3	13162.6	12040.0	12155.9	12271.5	13048.1	13824.5
18932.7	47.5°	17301.3	15682.4	14063.0	14086.5	14109.9	14865.4	15620.7
22444.5	50°	20291.1	18204.1	16117.2	16113.2	16109.2	17042.0	17975.0
25839.7	52.5°	23175.4	20682.5	18189.6	18304.0	18418.2	19547.8	20677.6
29156.8	55°	25980.6	23206.3	20431.8	20877.1	21322.4	22438.6	23554.8
32370.3	57.5°	28772.7	25971.3	23169.8	24062.7	24955.9	25563.9	26171.7
36577.6	60°	32725.8	30074.6	27423.5	28532.6	29641.8	28697.5	27753.4
40381.5	62.5°	36716.9	34288.0	31859.4	31984.6	32109.6	29529.9	26950.3
40869.5	65°	*37316.0*	*34229.4*	*31143.0*	*30664.2*	*30185.1*	*27763.9*	*25342.8*
38243.7	67.5°	34674.9	31459.3	28243.5	28019.1	27794.4	25491.7	23189.0
34634.4	70°	31563.2	28687.6	25811.8	25711.2	25610.8	23106.0	20601.4
30210.6	72.5°	27910.5	25660.5	23410.6	23338.6	23266.4	20392.0	17517.8
25220.9	75°	23601.7	21851.2	20100.7	19833.6	19566.5	16591.8	13617.0
19857.3	77.5°	18709.0	17378.3	16047.5	15665.3	15283.1	12506.0	9729.1
14602.8	80°	13999.7	12995.1	11990.1	11515.0	11039.9	8703.9	6367.7
9592.6	82.5°	9341.0	8649.3	7957.5	7426.6	6896.0	5298.6	3701.5
5506.1	85°	5363.3	4795.1	4226.7	3775.3	3323.9	2476.2	1628.6
2158.3	87.5°	2146.1	1861.9	1577.7	1325.8	1074.0	789.1	504.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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