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: P952213

Luminaire Tested: **GALN-SB6A-850-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:	P952213
	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-SB6A-850-U-SLR
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25926 lumens
Efficiency:	N/A
Efficacy:	151.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5
Input Watts (W):	170.9
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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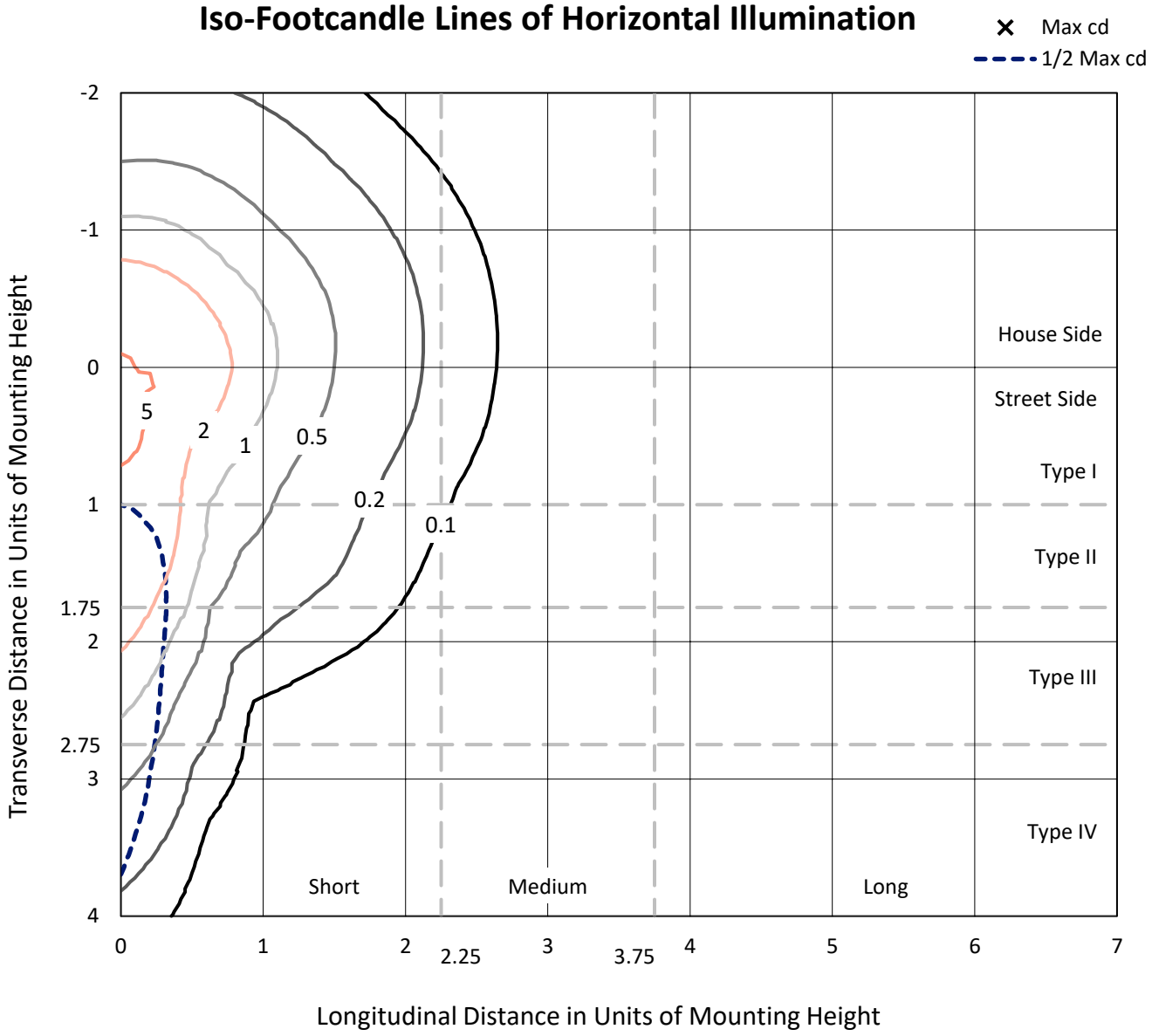
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type IV - Short - N/A

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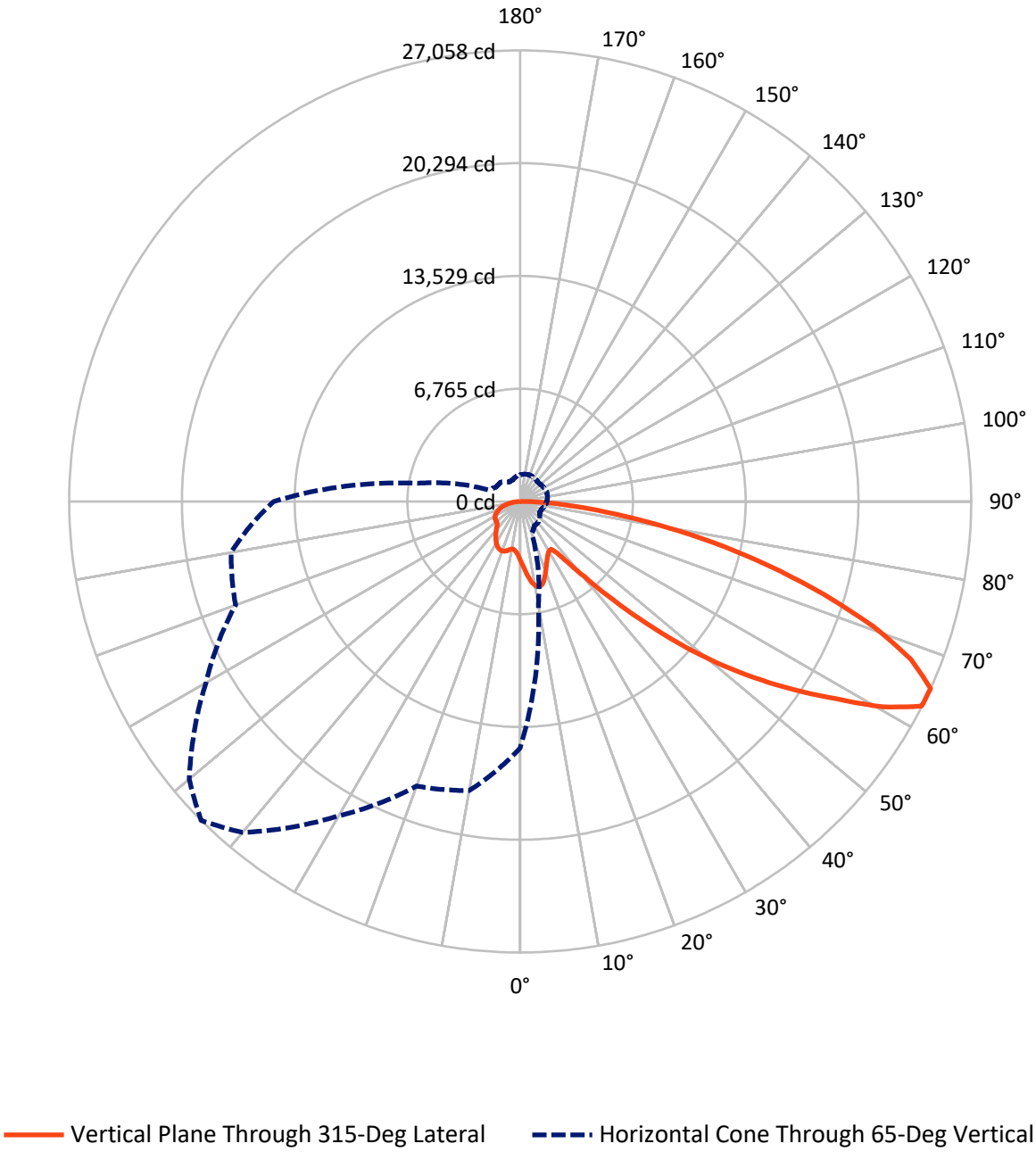
Luminous Intensity Polar Plot



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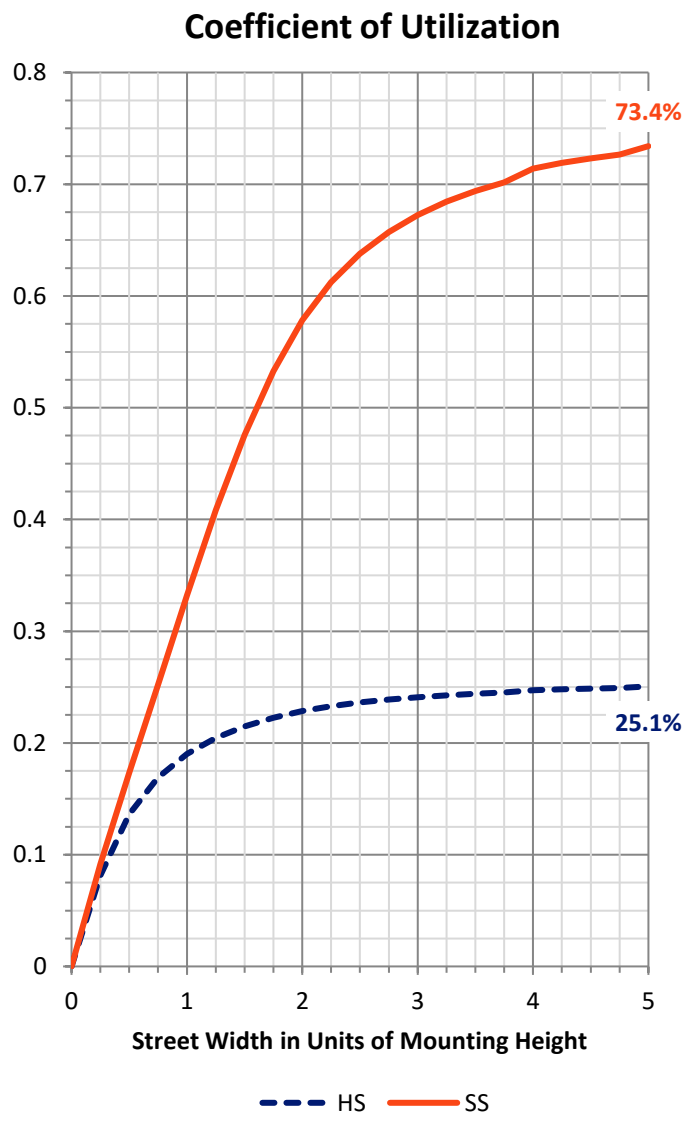
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6589.1	0.0	6589.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19336.9	0.0	19336.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	25926.0	0.0	25926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.6	1.4
10°-20°	1110.2	4.3
20°-30°	1714.8	6.6
30°-40°	2173.1	8.4
40°-50°	3277.6	12.6
50°-60°	5295.5	20.4
60°-70°	6601.7	25.5
70°-80°	4329.1	16.7
80°-90°	1070.3	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°	25926.0	100.0
0°-180°	25926.0	100.0



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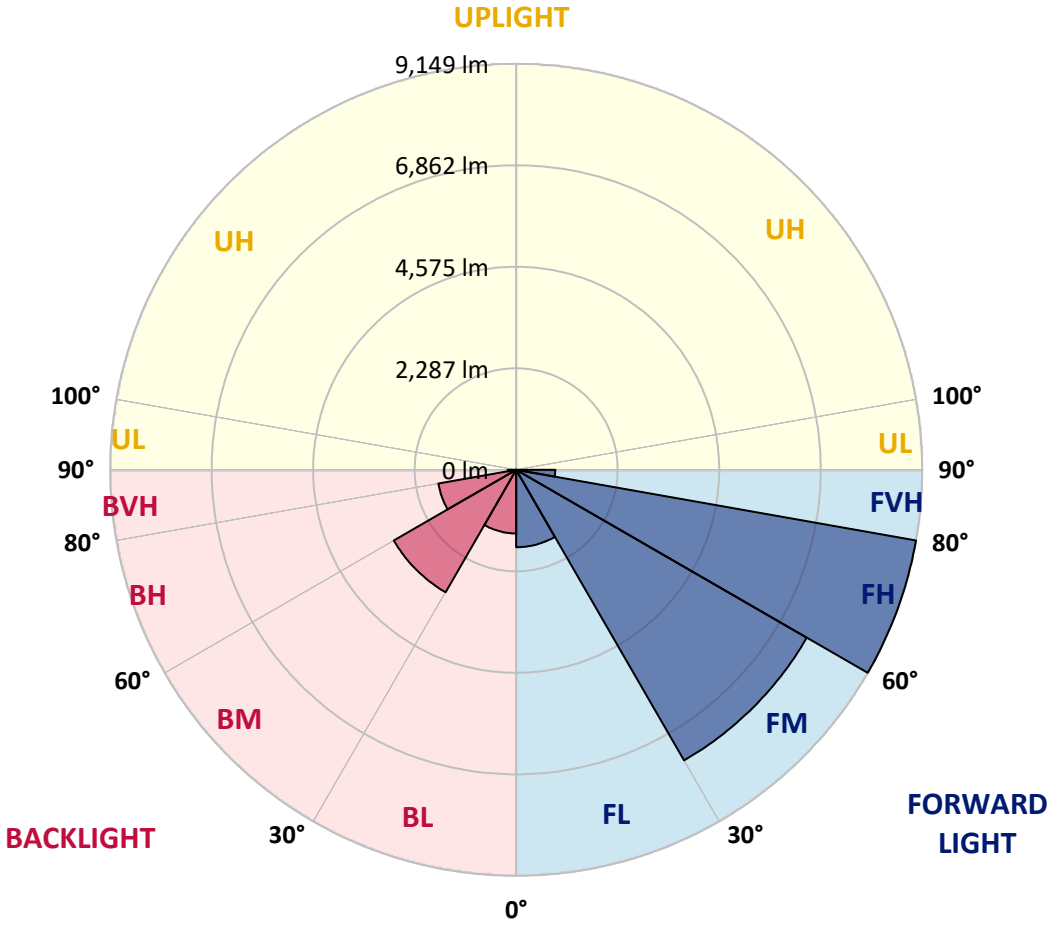
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1743.8	6.7			
FM	(30°-60°)	7562.0	29.2			
FH	(60°-80°)	9149.4	35.3			G4/12000
FVH	(80°-90°)	881.7	3.4			G5
BL	(0°-30°)	1434.9	5.5	B3/2500		
BM	(30°-60°)	3184.3	12.3	B3/5000		
BH	(60°-80°)	1781.4	6.9	B3/2500		G3/2500
BVH	(80°-90°)	188.6	0.7			G2/225
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°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
2.5°	3833.9	3804.5	3775.0	3743.7	3712.5	3681.1	3649.6	3619.5	3589.4	3560.3
5°	4122.5	4057.5	3992.6	3927.7	3863.0	3797.7	3732.6	3671.8	3610.9	3553.4
7.5°	4412.5	4305.3	4198.2	4099.1	4000.1	3903.6	3807.2	3722.2	3637.3	3558.9
10°	4634.8	4499.3	4363.7	4232.8	4102.0	3984.9	3867.7	3767.2	3666.6	3569.8
12.5°	4771.0	4622.0	4473.1	4324.8	4176.6	4038.4	3900.2	3786.5	3672.8	3571.2
15°	4853.7	4698.4	4543.2	4382.3	4221.4	4062.3	3903.2	3771.6	3640.0	3527.4
17.5°	4900.2	4742.8	4585.3	4409.8	4234.3	4049.6	3864.9	3706.6	3548.4	3415.9
20°	4951.5	4787.9	4624.2	4431.3	4238.4	4014.6	3790.8	3594.6	3398.4	3244.2
22.5°	5011.0	4843.9	4676.6	4460.3	4243.9	3971.6	3699.4	3463.1	3226.9	3051.4
25°	5087.6	4923.8	4760.0	4512.8	4265.5	3929.2	3593.1	3316.3	3039.7	2859.8
27.5°	5191.6	5035.4	4879.0	4594.9	4310.6	3900.9	3491.2	3182.1	2873.1	2709.4
30°	5331.8	5180.8	5029.9	4701.2	4372.5	3887.6	3402.5	3070.0	2737.4	2599.9
32.5°	5497.4	5347.8	5198.5	4812.1	4425.8	3871.2	3316.3	2973.2	2630.0	2519.2
35°	5698.5	5555.4	5412.1	4938.5	4464.9	3840.3	3215.9	2878.2	2540.4	2448.1
37.5°	6037.1	5854.6	5672.1	5080.1	4488.2	3787.4	3086.5	2766.3	2446.0	2365.3
40°	6548.7	6282.7	6016.8	5259.9	4502.8	3714.4	2926.2	2632.7	2339.3	2266.1
42.5°	7227.2	6843.4	6459.5	5495.0	4530.6	3639.2	2748.1	2485.4	2222.8	2155.3
45°	8065.1	7547.3	7029.5	5804.5	4579.4	3569.3	2559.3	2328.9	2098.5	2030.1
47.5°	9113.0	8384.3	7655.4	6134.2	4612.9	3511.6	2410.2	2205.1	2000.0	1911.8
50°	10486.5	9387.9	8289.1	6440.1	4591.1	3448.6	2306.2	2122.9	1939.6	1823.6
52.5°	12063.2	10442.1	8821.0	6638.7	4456.3	3342.3	2228.5	2068.7	1909.1	1775.7
55°	13741.7	11376.7	9011.8	6594.9	4177.9	3166.1	2154.4	2029.5	1904.6	1780.5
57.5°	15268.4	12039.1	8809.7	6286.9	3764.1	2917.7	2071.2	1982.9	1894.7	1785.3
60°	16191.1	12204.6	8217.9	5713.5	3209.1	2595.1	1981.2	1911.8	1842.4	1770.2
62.5°	15722.6	11507.6	7292.6	4938.3	2583.9	2209.1	1834.2	1788.1	1742.2	1733.3
65°	*14784.8*	*10521.4*	*6258.0*	*4147.3*	*2036.7*	*1861.7*	*1686.8*	*1665.0*	*1643.3*	*1644.4*
67.5°	13528.3	9347.8	5167.3	3372.4	1577.6	1527.9	1478.1	1490.3	1502.4	1499.3
70°	12018.7	8067.2	4115.7	2655.3	1195.0	1209.2	1223.3	1279.6	1335.9	1335.9
72.5°	10219.8	6678.9	3138.2	2030.0	921.8	964.6	1007.5	1087.4	1167.2	1180.6
75°	7944.1	5087.5	2231.0	1473.4	715.7	754.6	793.4	882.9	972.4	1034.2
77.5°	5675.9	3560.8	1445.7	998.4	551.0	577.4	604.0	690.8	777.7	879.6
80°	3714.8	2294.2	873.5	643.2	413.1	424.1	435.0	508.6	582.1	703.8
82.5°	2159.4	1327.8	496.3	395.6	295.2	297.1	299.3	353.5	407.7	511.6
85°	950.1	597.3	244.6	211.5	178.5	177.6	176.5	216.1	255.8	333.1
87.5°	294.1	195.6	97.1	87.7	78.3	77.3	76.3	92.5	108.8	140.9
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°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
3527.8	2.5°	3501.6	3475.4	3451.8	3428.2	3407.6	3386.9	3366.1	3345.5	3329.5	3313.3
3496.6	5°	3447.1	3397.5	3355.9	3314.4	3277.8	3241.1	3207.9	3174.5	3148.9	3123.2
3485.4	7.5°	3419.5	3353.7	3299.0	3244.2	3198.1	3151.9	3111.1	3070.5	3040.0	3009.6
3490.9	10°	3421.4	3351.9	3297.2	3242.5	3192.8	3143.0	3097.2	3051.4	3015.0	2978.4
3497.7	12.5°	3440.8	3384.2	3347.8	3311.7	3272.6	3233.7	3186.2	3138.9	3092.4	3045.9
3468.6	15°	3441.4	3414.3	3419.2	3424.1	3414.0	3403.9	3362.7	3321.5	3255.3	3189.1
3379.7	17.5°	3389.7	3399.5	3459.2	3518.8	3550.5	3582.1	3548.9	3515.8	3428.1	3340.4
3234.7	20°	3281.2	3327.7	3431.3	3535.0	3601.3	3667.6	3652.3	3636.9	3536.6	3436.5
3070.1	22.5°	3138.9	3207.7	3325.9	3444.4	3530.7	3617.0	3626.3	3635.5	3539.7	3444.0
2910.5	25°	2989.8	3069.1	3175.4	3281.9	3366.8	3451.8	3483.5	3515.1	3436.6	3358.2
2770.9	27.5°	2847.5	2924.1	3011.5	3098.8	3167.0	3235.1	3270.4	3305.8	3249.9	3194.0
2648.2	30°	2708.9	2770.0	2842.5	2915.0	2971.5	3028.1	3056.8	3085.6	3043.0	3000.3
2540.7	32.5°	2576.7	2612.6	2670.5	2728.5	2782.7	2837.0	2868.9	2900.9	2861.8	2822.5
2439.2	35°	2449.0	2459.0	2503.2	2547.2	2600.9	2654.6	2692.9	2731.2	2703.3	2675.6
2332.7	37.5°	2321.8	2310.9	2342.6	2374.2	2427.7	2481.3	2528.6	2576.0	2563.1	2550.3
2216.2	40°	2191.4	2166.7	2189.5	2212.4	2264.1	2315.8	2370.2	2424.8	2428.0	2431.0
2092.4	42.5°	2059.5	2026.7	2045.3	2064.1	2113.0	2162.1	2221.0	2279.8	2295.5	2311.3
1969.3	45°	1937.2	1905.4	1921.0	1936.8	1983.3	2029.9	2090.9	2151.9	2174.5	2197.0
1859.4	47.5°	1832.6	1805.8	1820.6	1835.2	1880.7	1926.2	1986.4	2046.6	2072.5	2098.5
1762.7	50°	1738.9	1715.2	1738.2	1761.3	1804.3	1847.1	1901.0	1954.9	1988.3	2021.7
1690.6	52.5°	1667.1	1643.7	1678.3	1712.8	1752.2	1791.4	1841.6	1892.0	1931.5	1971.0
1652.3	55°	1615.1	1578.0	1627.1	1676.1	1718.5	1760.9	1805.0	1848.9	1890.7	1932.7
1629.3	57.5°	1575.1	1521.0	1573.8	1626.6	1676.4	1726.2	1769.7	1813.3	1855.6	1897.7
1607.7	60°	1537.5	1467.2	1513.6	1559.8	1617.0	1674.2	1718.4	1762.7	1805.1	1847.5
1582.5	62.5°	1494.7	1407.0	1436.4	1465.8	1532.5	1599.2	1646.4	1693.6	1732.5	1771.3
1529.4	65°	*1436.1*	*1342.7*	*1354.1*	*1365.3*	*1436.7*	*1508.2*	*1553.4*	*1598.5*	*1632.7*	*1666.9*
1434.8	67.5°	1357.1	1279.4	1275.8	1272.3	1338.2	1404.3	1447.1	1489.8	1519.3	1548.9
1314.7	70°	1259.4	1204.1	1191.8	1179.5	1237.5	1295.5	1332.4	1369.4	1396.1	1422.7
1180.9	72.5°	1143.0	1105.1	1087.0	1069.1	1114.8	1160.4	1193.7	1227.1	1253.2	1279.4
1029.0	75°	999.9	970.6	953.4	936.0	969.9	1003.8	1034.1	1064.3	1088.1	1111.9
876.9	77.5°	853.5	830.1	812.6	795.1	822.7	850.2	876.2	902.2	927.2	952.1
703.4	80°	683.9	664.2	649.5	634.8	657.7	680.6	702.5	724.4	743.4	762.3
517.4	82.5°	507.8	498.2	487.8	477.4	475.5	473.6	465.9	458.3	498.8	539.3
340.6	85°	330.4	320.1	308.5	296.9	287.0	277.0	255.8	234.6	272.5	310.5
150.5	87.5°	146.4	142.3	140.1	137.9	137.5	137.1	120.9	104.7	120.5	136.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
3300.3	2.5°	3287.3	3277.2	3267.1	3257.8	3248.4	3236.7	3248.4	3257.8	3267.1	3277.2
3105.3	5°	3087.3	3074.6	3061.9	3052.2	3042.5	3032.9	3042.5	3052.2	3061.9	3074.6
2988.3	7.5°	2967.0	2952.3	2937.8	2929.1	2920.4	2913.9	2920.4	2929.1	2937.8	2952.3
2954.6	10°	2930.6	2916.7	2902.9	2895.5	2888.2	2885.1	2888.2	2895.5	2902.9	2916.7
3015.1	12.5°	2984.3	2968.9	2953.5	2947.3	2941.0	2939.9	2941.0	2947.3	2953.5	2968.9
3142.3	15°	3095.5	3074.1	3052.7	3044.5	3036.3	3035.6	3036.3	3044.5	3052.7	3074.1
3271.5	17.5°	3202.5	3170.8	3138.9	3128.5	3118.0	3116.3	3118.0	3128.5	3138.9	3170.8
3351.9	20°	3267.5	3226.9	3186.1	3173.1	3160.1	3156.0	3160.1	3173.1	3186.1	3226.9
3357.0	22.5°	3269.8	3227.0	3184.1	3169.7	3155.3	3149.2	3155.3	3169.7	3184.1	3227.0
3280.8	25°	3203.6	3166.4	3129.3	3115.8	3102.4	3094.5	3102.4	3115.8	3129.3	3166.4
3134.0	27.5°	3073.9	3049.0	3024.0	3017.8	3011.7	3009.6	3011.7	3017.8	3024.0	3049.0
2957.4	30°	2914.1	2901.4	2888.6	2888.6	2888.6	2890.6	2888.6	2888.6	2888.6	2901.4
2788.2	32.5°	2753.8	2745.5	2737.1	2738.2	2739.5	2741.5	2739.5	2738.2	2737.1	2745.5
2643.8	35°	2612.2	2599.5	2586.9	2584.2	2581.4	2580.1	2581.4	2584.2	2586.9	2599.5
2521.1	37.5°	2491.8	2468.7	2445.7	2433.6	2421.4	2414.5	2421.4	2433.6	2445.7	2468.7
2406.2	40°	2381.4	2347.8	2314.4	2291.7	2269.3	2255.9	2269.3	2291.7	2314.4	2347.8
2290.3	42.5°	2269.5	2227.8	2186.1	2153.1	2120.2	2098.5	2120.2	2153.1	2186.1	2227.8
2178.2	45°	2159.4	2111.7	2064.1	2025.3	1986.6	1961.7	1986.6	2025.3	2064.1	2111.7
2085.4	47.5°	2072.3	2029.9	1987.5	1951.6	1915.9	1892.0	1915.9	1951.6	1987.5	2029.9
2020.8	50°	2020.3	1986.4	1952.4	1919.3	1886.2	1863.2	1886.2	1919.3	1952.4	1986.4
1978.2	52.5°	1985.3	1957.6	1930.0	1900.3	1870.8	1849.6	1870.8	1900.3	1930.0	1957.6
1942.6	55°	1952.4	1928.4	1904.3	1878.3	1852.3	1833.1	1852.3	1878.3	1904.3	1928.4
1907.7	57.5°	1917.7	1893.3	1869.0	1843.3	1817.4	1797.6	1817.4	1843.3	1869.0	1893.3
1858.4	60°	1869.4	1845.6	1821.9	1795.4	1768.8	1748.3	1768.8	1795.4	1821.9	1845.6
1781.8	62.5°	1792.4	1770.9	1749.4	1721.5	1693.6	1669.0	1693.6	1721.5	1749.4	1770.9
1677.7	65°	*1688.4*	*1667.7*	*1647.1*	*1620.0*	*1593.1*	*1571.8*	*1593.1*	*1620.0*	*1647.1*	*1667.7*
1559.4	67.5°	1569.8	1550.8	1531.9	1506.7	1481.6	1462.4	1481.6	1506.7	1531.9	1550.8
1432.9	70°	1443.0	1427.5	1412.1	1388.0	1363.9	1342.0	1363.9	1388.0	1412.1	1427.5
1291.4	72.5°	1303.4	1290.6	1277.7	1254.7	1231.9	1210.7	1231.9	1254.7	1277.7	1290.6
1124.5	75°	1137.1	1130.8	1124.5	1105.2	1085.9	1065.7	1085.9	1105.2	1124.5	1130.8
963.9	77.5°	975.7	966.9	957.9	938.5	919.0	902.9	919.0	938.5	957.9	966.9
777.9	80°	793.4	789.6	785.9	759.8	733.5	703.2	733.5	759.8	785.9	789.6
565.8	82.5°	592.4	590.7	588.9	566.9	544.7	525.3	544.7	566.9	588.9	590.7
343.4	85°	376.2	373.5	370.7	353.5	336.3	318.7	336.3	353.5	370.7	373.5
149.8	87.5°	163.1	159.8	156.2	147.5	138.4	130.0	138.4	147.5	156.2	159.8
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°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
3287.3	2.5°	3300.3	3313.3	3329.5	3345.5	3366.1	3386.9	3407.6	3428.2	3451.8	3475.4
3087.3	5°	3105.3	3123.2	3148.9	3174.5	3207.9	3241.1	3277.8	3314.4	3355.9	3397.5
2967.0	7.5°	2988.3	3009.6	3040.0	3070.5	3111.1	3151.9	3198.1	3244.2	3299.0	3353.7
2930.6	10°	2954.6	2978.4	3015.0	3051.4	3097.2	3143.0	3192.8	3242.5	3297.2	3351.9
2984.3	12.5°	3015.1	3045.9	3092.4	3138.9	3186.2	3233.7	3272.6	3311.7	3347.8	3384.2
3095.5	15°	3142.3	3189.1	3255.3	3321.5	3362.7	3403.9	3414.0	3424.1	3419.2	3414.3
3202.5	17.5°	3271.5	3340.4	3428.1	3515.8	3548.9	3582.1	3550.5	3518.8	3459.2	3399.5
3267.5	20°	3351.9	3436.5	3536.6	3636.9	3652.3	3667.6	3601.3	3535.0	3431.3	3327.7
3269.8	22.5°	3357.0	3444.0	3539.7	3635.5	3626.3	3617.0	3530.7	3444.4	3325.9	3207.7
3203.6	25°	3280.8	3358.2	3436.6	3515.1	3483.5	3451.8	3366.8	3281.9	3175.4	3069.1
3073.9	27.5°	3134.0	3194.0	3249.9	3305.8	3270.4	3235.1	3167.0	3098.8	3011.5	2924.1
2914.1	30°	2957.4	3000.3	3043.0	3085.6	3056.8	3028.1	2971.5	2915.0	2842.5	2770.0
2753.8	32.5°	2788.2	2822.5	2861.8	2900.9	2868.9	2837.0	2782.7	2728.5	2670.5	2612.6
2612.2	35°	2643.8	2675.6	2703.3	2731.2	2692.9	2654.6	2600.9	2547.2	2503.2	2459.0
2491.8	37.5°	2521.1	2550.3	2563.1	2576.0	2528.6	2481.3	2427.7	2374.2	2342.6	2310.9
2381.4	40°	2406.2	2431.0	2428.0	2424.8	2370.2	2315.8	2264.1	2212.4	2189.5	2166.7
2269.5	42.5°	2290.3	2311.3	2295.5	2279.8	2221.0	2162.1	2113.0	2064.1	2045.3	2026.7
2159.4	45°	2178.2	2197.0	2174.5	2151.9	2090.9	2029.9	1983.3	1936.8	1921.0	1905.4
2072.3	47.5°	2085.4	2098.5	2072.5	2046.6	1986.4	1926.2	1880.7	1835.2	1820.6	1805.8
2020.3	50°	2020.8	2021.7	1988.3	1954.9	1901.0	1847.1	1804.3	1761.3	1738.2	1715.2
1985.3	52.5°	1978.2	1971.0	1931.5	1892.0	1841.6	1791.4	1752.2	1712.8	1678.3	1643.7
1952.4	55°	1942.6	1932.7	1890.7	1848.9	1805.0	1760.9	1718.5	1676.1	1627.1	1578.0
1917.7	57.5°	1907.7	1897.7	1855.6	1813.3	1769.7	1726.2	1676.4	1626.6	1573.8	1521.0
1869.4	60°	1858.4	1847.5	1805.1	1762.7	1718.4	1674.2	1617.0	1559.8	1513.6	1467.2
1792.4	62.5°	1781.8	1771.3	1732.5	1693.6	1646.4	1599.2	1532.5	1465.8	1436.4	1407.0
1688.4	65°	*1677.7*	*1666.9*	*1632.7*	*1598.5*	*1553.4*	*1508.2*	*1436.7*	*1365.3*	*1354.1*	*1342.7*
1569.8	67.5°	1559.4	1548.9	1519.3	1489.8	1447.1	1404.3	1338.2	1272.3	1275.8	1279.4
1443.0	70°	1432.9	1422.7	1396.1	1369.4	1332.4	1295.5	1237.5	1179.5	1191.8	1204.1
1303.4	72.5°	1291.4	1279.4	1253.2	1227.1	1193.7	1160.4	1114.8	1069.1	1087.0	1105.1
1137.1	75°	1124.5	1111.9	1088.1	1064.3	1034.1	1003.8	969.9	936.0	953.4	970.6
975.7	77.5°	963.9	952.1	927.2	902.2	876.2	850.2	822.7	795.1	812.6	830.1
793.4	80°	777.9	762.3	743.4	724.4	702.5	680.6	657.7	634.8	649.5	664.2
592.4	82.5°	565.8	539.3	498.8	458.3	465.9	473.6	475.5	477.4	487.8	498.2
376.2	85°	343.4	310.5	272.5	234.6	255.8	277.0	287.0	296.9	308.5	320.1
163.1	87.5°	149.8	136.5	120.5	104.7	120.9	137.1	137.5	137.9	140.1	142.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
3501.6	2.5°	3527.8	3560.3	3589.4	3619.5	3649.6	3681.1	3712.5	3743.7	3775.0	3804.5
3447.1	5°	3496.6	3553.4	3610.9	3671.8	3732.6	3797.7	3863.0	3927.7	3992.6	4057.5
3419.5	7.5°	3485.4	3558.9	3637.3	3722.2	3807.2	3903.6	4000.1	4099.1	4198.2	4305.3
3421.4	10°	3490.9	3569.8	3666.6	3767.2	3867.7	3984.9	4102.0	4232.8	4363.7	4499.3
3440.8	12.5°	3497.7	3571.2	3672.8	3786.5	3900.2	4038.4	4176.6	4324.8	4473.1	4622.0
3441.4	15°	3468.6	3527.4	3640.0	3771.6	3903.2	4062.3	4221.4	4382.3	4543.2	4698.4
3389.7	17.5°	3379.7	3415.9	3548.4	3706.6	3864.9	4049.6	4234.3	4409.8	4585.3	4742.8
3281.2	20°	3234.7	3244.2	3398.4	3594.6	3790.8	4014.6	4238.4	4431.3	4624.2	4787.9
3138.9	22.5°	3070.1	3051.4	3226.9	3463.1	3699.4	3971.6	4243.9	4460.3	4676.6	4843.9
2989.8	25°	2910.5	2859.8	3039.7	3316.3	3593.1	3929.2	4265.5	4512.8	4760.0	4923.8
2847.5	27.5°	2770.9	2709.4	2873.1	3182.1	3491.2	3900.9	4310.6	4594.9	4879.0	5035.4
2708.9	30°	2648.2	2599.9	2737.4	3070.0	3402.5	3887.6	4372.5	4701.2	5029.9	5180.8
2576.7	32.5°	2540.7	2519.2	2630.0	2973.2	3316.3	3871.2	4425.8	4812.1	5198.5	5347.8
2449.0	35°	2439.2	2448.1	2540.4	2878.2	3215.9	3840.3	4464.9	4938.5	5412.1	5555.4
2321.8	37.5°	2332.7	2365.3	2446.0	2766.3	3086.5	3787.4	4488.2	5080.1	5672.1	5854.6
2191.4	40°	2216.2	2266.1	2339.3	2632.7	2926.2	3714.4	4502.8	5259.9	6016.8	6282.7
2059.5	42.5°	2092.4	2155.3	2222.8	2485.4	2748.1	3639.2	4530.6	5495.0	6459.5	6843.4
1937.2	45°	1969.3	2030.1	2098.5	2328.9	2559.3	3569.3	4579.4	5804.5	7029.5	7547.3
1832.6	47.5°	1859.4	1911.8	2000.0	2205.1	2410.2	3511.6	4612.9	6134.2	7655.4	8384.3
1738.9	50°	1762.7	1823.6	1939.6	2122.9	2306.2	3448.6	4591.1	6440.1	8289.1	9387.9
1667.1	52.5°	1690.6	1775.7	1909.1	2068.7	2228.5	3342.3	4456.3	6638.7	8821.0	10442.1
1615.1	55°	1652.3	1780.5	1904.6	2029.5	2154.4	3166.1	4177.9	6594.9	9011.8	11376.7
1575.1	57.5°	1629.3	1785.3	1894.7	1982.9	2071.2	2917.7	3764.1	6286.9	8809.7	12039.1
1537.5	60°	1607.7	1770.2	1842.4	1911.8	1981.2	2595.1	3209.1	5713.5	8217.9	12204.6
1494.7	62.5°	1582.5	1733.3	1742.2	1788.1	1834.2	2209.1	2583.9	4938.3	7292.6	11507.6
1436.1	65°	*1529.4*	*1644.4*	*1643.3*	*1665.0*	*1686.8*	*1861.7*	*2036.7*	*4147.3*	*6258.0*	*10521.4*
1357.1	67.5°	1434.8	1499.3	1502.4	1490.3	1478.1	1527.9	1577.6	3372.4	5167.3	9347.8
1259.4	70°	1314.7	1335.9	1335.9	1279.6	1223.3	1209.2	1195.0	2655.3	4115.7	8067.2
1143.0	72.5°	1180.9	1180.6	1167.2	1087.4	1007.5	964.6	921.8	2030.0	3138.2	6678.9
999.9	75°	1029.0	1034.2	972.4	882.9	793.4	754.6	715.7	1473.4	2231.0	5087.5
853.5	77.5°	876.9	879.6	777.7	690.8	604.0	577.4	551.0	998.4	1445.7	3560.8
683.9	80°	703.4	703.8	582.1	508.6	435.0	424.1	413.1	643.2	873.5	2294.2
507.8	82.5°	517.4	511.6	407.7	353.5	299.3	297.1	295.2	395.6	496.3	1327.8
330.4	85°	340.6	333.1	255.8	216.1	176.5	177.6	178.5	211.5	244.6	597.3
146.4	87.5°	150.5	140.9	108.8	92.5	76.3	77.3	78.3	87.7	97.1	195.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	*3565.0*	3565.0
3833.9	2.5°	3848.4	3863.0	3883.7	3904.3	3916.6	3928.9	3935.1	3941.3	*3938.5*	3941.3
4122.5	5°	4173.3	4224.2	4274.5	4325.0	4352.3	4379.7	4396.3	4412.9	*4425.5*	4412.9
4412.5	7.5°	4495.2	4577.7	4651.9	4726.2	4771.0	4815.7	4839.9	4864.0	*4875.6*	4864.0
4634.8	10°	4732.5	4830.2	4917.3	5004.5	5057.3	5109.8	5133.3	5156.7	*5165.6*	5156.7
4771.0	12.5°	4876.8	4982.6	5061.4	5139.9	5178.2	5216.5	5229.4	5242.2	*5243.6*	5242.2
4853.7	15°	4945.1	5036.3	5085.7	5135.3	5136.6	5138.0	5124.3	5110.6	*5094.5*	5110.6
4900.2	17.5°	4961.9	5023.6	5024.6	5025.4	4970.0	4914.6	4863.8	4813.0	*4777.1*	4813.0
4951.5	20°	4973.0	4994.6	4929.6	4864.7	4742.4	4620.1	4531.0	4441.9	*4387.2*	4441.9
5011.0	22.5°	4982.9	4954.7	4820.1	4685.5	4505.6	4325.7	4214.3	4103.0	*4042.5*	4103.0
5087.6	25°	4998.7	4909.8	4705.4	4501.0	4282.6	4064.1	3947.0	3830.2	*3773.0*	3830.2
5191.6	27.5°	5032.7	4873.6	4602.8	4332.2	4090.1	3848.0	3732.8	3617.7	*3563.7*	3617.7
5331.8	30°	5094.8	4857.8	4524.6	4191.3	3939.1	3686.8	3580.0	3473.1	*3422.8*	3473.1
5497.4	32.5°	5172.7	4848.2	4471.2	4094.2	3857.1	3620.0	3536.2	3452.2	*3415.9*	3452.2
5698.5	35°	5301.2	4904.1	4511.2	4118.4	3953.7	3789.1	3769.6	3750.0	*3747.0*	3750.0
6037.1	37.5°	5569.7	5102.4	4745.4	4388.3	4377.6	4367.0	4456.4	4545.9	*4592.4*	4545.9
6548.7	40°	6040.5	5532.3	5266.7	5001.2	5188.6	5376.0	5593.5	5811.1	*5919.4*	5811.1
7227.2	42.5°	6723.0	6218.7	6065.8	5912.8	6321.6	6730.4	7126.0	7521.6	*7753.9*	7521.6
8065.1	45°	7612.2	7159.1	7091.7	7024.1	7678.9	8334.0	8984.0	9634.2	*10028.9*	9634.2
9113.0	47.5°	8672.4	8231.6	8217.9	8204.3	9149.0	10093.5	11045.2	11996.8	*12555.6*	11996.8
10486.5	50°	9942.2	9398.0	9400.3	9402.6	10620.2	11837.7	13094.0	14350.2	*15109.7*	14350.2
12063.2	52.5°	11404.1	10745.1	10678.5	10611.7	12066.0	13520.4	15074.7	16628.9	*17539.3*	16628.9
13741.7	55°	13090.5	12439.4	12179.6	11919.8	13538.4	15156.9	17009.9	18862.9	*19945.7*	18862.9
15268.4	57.5°	14913.8	14559.1	14038.0	13517.1	15151.5	16785.8	18884.6	20983.3	*22326.0*	20983.3
16191.1	60°	16741.9	17292.8	16645.7	15998.7	17545.3	19092.0	21339.1	23586.2	*25037.4*	23586.2
15722.6	62.5°	17227.6	18732.5	18659.6	18586.5	20003.4	21420.4	23558.3	25696.1	*27037.5*	25696.1
14784.8	65°	*16197.3*	*17609.8*	*17889.3*	*18168.6*	*19969.2*	*21769.9*	*23843.0*	*25916.0*	*27058.0*	*25916.0*
13528.3	67.5°	14871.7	16215.1	16346.1	16477.1	18353.2	20229.1	22311.1	24393.1	*25287.8*	24393.1
12018.7	70°	13479.9	14941.2	14999.7	15058.4	16736.2	18413.8	20205.5	21997.0	*22494.3*	21997.0
10219.8	72.5°	11896.5	13573.4	13615.6	13657.6	14970.2	16282.8	17624.7	18966.4	*19016.8*	18966.4
7944.1	75°	9679.5	11415.0	11570.8	11726.6	12747.9	13769.1	14713.7	15658.3	*15405.2*	15658.3
5675.9	77.5°	7295.9	8916.0	9139.0	9362.0	10138.4	10914.7	11584.6	12254.7	*11819.7*	12254.7
3714.8	80°	5077.8	6440.6	6717.8	6994.9	7581.3	8167.3	8519.2	8870.9	*8171.2*	8870.9
2159.4	82.5°	3091.2	4023.1	4332.6	4642.4	5045.9	5449.5	5596.3	5742.9	*5193.0*	5742.9
950.1	85°	1444.6	1939.2	2202.5	2465.8	2797.5	3128.9	3212.2	3295.5	*2855.0*	3295.5
294.1	87.5°	460.3	626.6	773.5	920.4	1086.2	1252.0	1259.1	1266.1	*1062.9*	1266.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3565.0	0°	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0	3565.0
3935.1	2.5°	3928.9	3916.6	3904.3	3883.7	3863.0	3848.4	3833.9
4396.3	5°	4379.7	4352.3	4325.0	4274.5	4224.2	4173.3	4122.5
4839.9	7.5°	4815.7	4771.0	4726.2	4651.9	4577.7	4495.2	4412.5
5133.3	10°	5109.8	5057.3	5004.5	4917.3	4830.2	4732.5	4634.8
5229.4	12.5°	5216.5	5178.2	5139.9	5061.4	4982.6	4876.8	4771.0
5124.3	15°	5138.0	5136.6	5135.3	5085.7	5036.3	4945.1	4853.7
4863.8	17.5°	4914.6	4970.0	5025.4	5024.6	5023.6	4961.9	4900.2
4531.0	20°	4620.1	4742.4	4864.7	4929.6	4994.6	4973.0	4951.5
4214.3	22.5°	4325.7	4505.6	4685.5	4820.1	4954.7	4982.9	5011.0
3947.0	25°	4064.1	4282.6	4501.0	4705.4	4909.8	4998.7	5087.6
3732.8	27.5°	3848.0	4090.1	4332.2	4602.8	4873.6	5032.7	5191.6
3580.0	30°	3686.8	3939.1	4191.3	4524.6	4857.8	5094.8	5331.8
3536.2	32.5°	3620.0	3857.1	4094.2	4471.2	4848.2	5172.7	5497.4
3769.6	35°	3789.1	3953.7	4118.4	4511.2	4904.1	5301.2	5698.5
4456.4	37.5°	4367.0	4377.6	4388.3	4745.4	5102.4	5569.7	6037.1
5593.5	40°	5376.0	5188.6	5001.2	5266.7	5532.3	6040.5	6548.7
7126.0	42.5°	6730.4	6321.6	5912.8	6065.8	6218.7	6723.0	7227.2
8984.0	45°	8334.0	7678.9	7024.1	7091.7	7159.1	7612.2	8065.1
11045.2	47.5°	10093.5	9149.0	8204.3	8217.9	8231.6	8672.4	9113.0
13094.0	50°	11837.7	10620.2	9402.6	9400.3	9398.0	9942.2	10486.5
15074.7	52.5°	13520.4	12066.0	10611.7	10678.5	10745.1	11404.1	12063.2
17009.9	55°	15156.9	13538.4	11919.8	12179.6	12439.4	13090.5	13741.7
18884.6	57.5°	16785.8	15151.5	13517.1	14038.0	14559.1	14913.8	15268.4
21339.1	60°	19092.0	17545.3	15998.7	16645.7	17292.8	16741.9	16191.1
23558.3	62.5°	21420.4	20003.4	18586.5	18659.6	18732.5	17227.6	15722.6
23843.0	65°	*21769.9*	*19969.2*	*18168.6*	*17889.3*	*17609.8*	*16197.3*	*14784.8*
22311.1	67.5°	20229.1	18353.2	16477.1	16346.1	16215.1	14871.7	13528.3
20205.5	70°	18413.8	16736.2	15058.4	14999.7	14941.2	13479.9	12018.7
17624.7	72.5°	16282.8	14970.2	13657.6	13615.6	13573.4	11896.5	10219.8
14713.7	75°	13769.1	12747.9	11726.6	11570.8	11415.0	9679.5	7944.1
11584.6	77.5°	10914.7	10138.4	9362.0	9139.0	8916.0	7295.9	5675.9
8519.2	80°	8167.3	7581.3	6994.9	6717.8	6440.6	5077.8	3714.8
5596.3	82.5°	5449.5	5045.9	4642.4	4332.6	4023.1	3091.2	2159.4
3212.2	85°	3128.9	2797.5	2465.8	2202.5	1939.2	1444.6	950.1
1259.1	87.5°	1252.0	1086.2	920.4	773.5	626.6	460.3	294.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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