

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: P228460

Luminaire Tested: **ISS-AF-1200-LED-E1-SLL-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-1200-LED-E1-SLL-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH
UPLIGHT GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7072.8 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

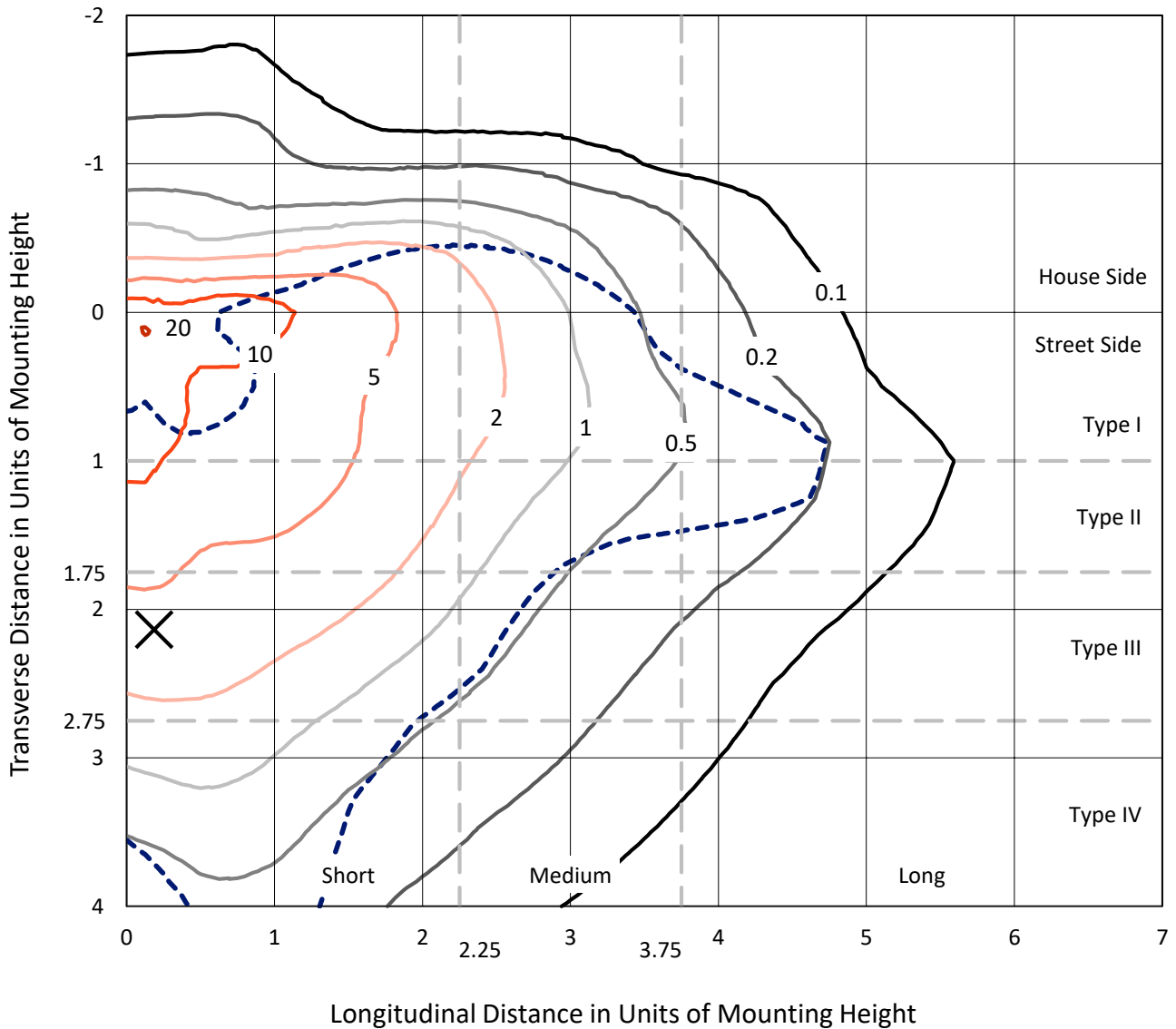
Input Watts (W): 82.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

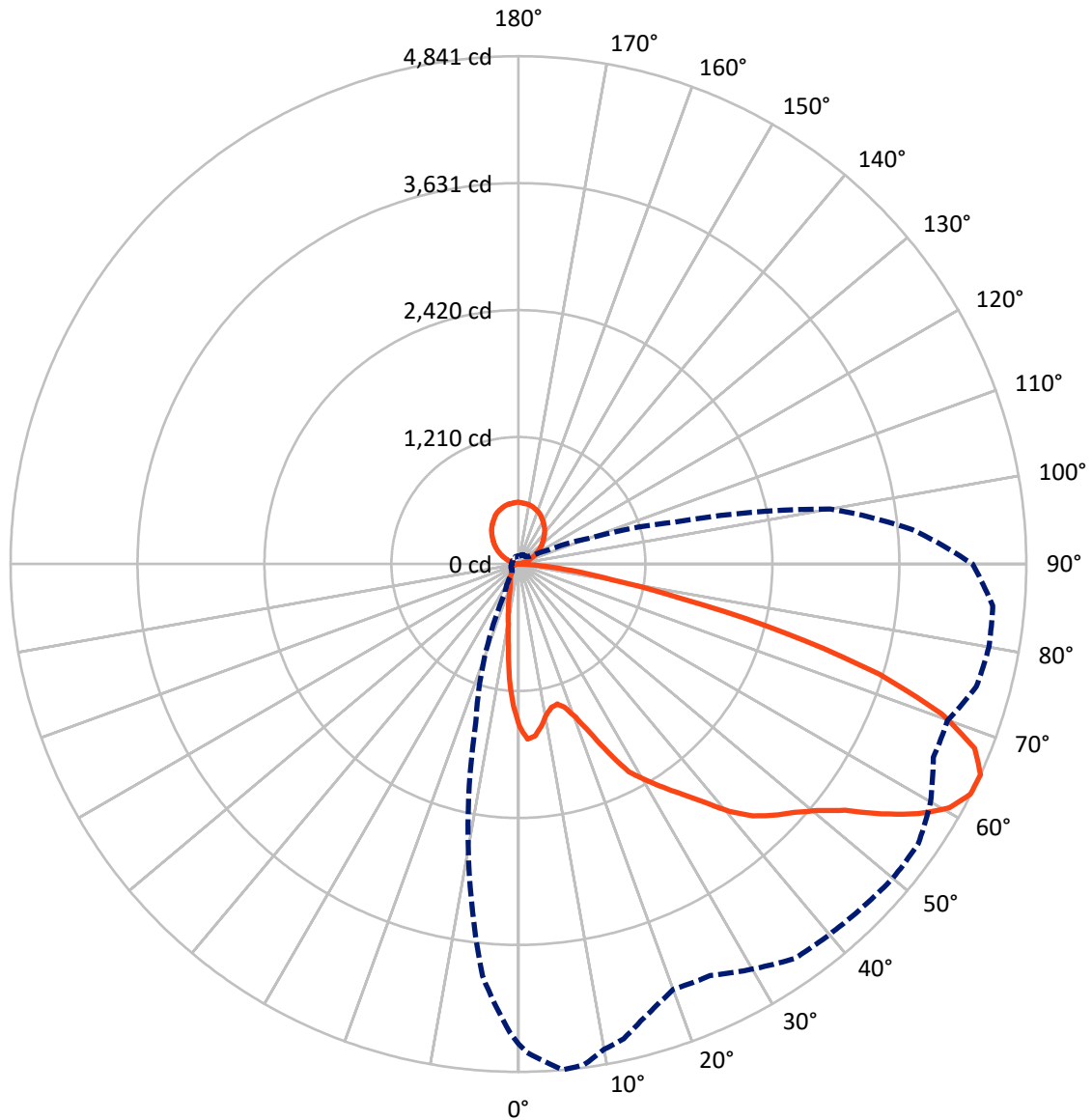
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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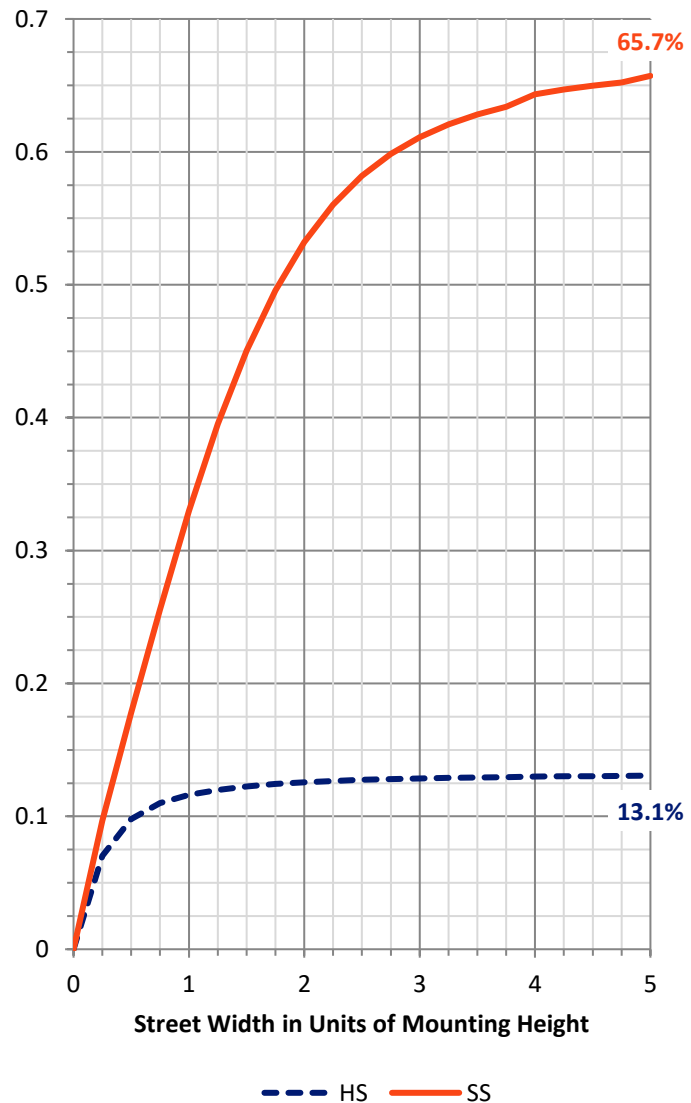
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	933.4	729.4	1662.9
	% Fixture	13.2	10.3	23.5
Street Side	Lumens	4680.5	729.4	5409.9
	% Fixture	66.2	10.3	76.5
Total	Lumens	5613.9	1458.9	7072.8
	% Fixture	79.4	20.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	1.7
10°-20°	245.8	3.5
20°-30°	357.3	5.1
30°-40°	528.5	7.5
40°-50°	770.0	10.9
50°-60°	1154.3	16.3
60°-70°	1438.4	20.3
70°-80°	842.6	11.9
80°-90°	157.5	2.2
90°-100°	4.8	0.1
100°-110°	70.6	1.0
110°-120°	156.6	2.2
120°-130°	229.0	3.2
130°-140°	271.7	3.8
140°-150°	275.5	3.9
150°-160°	236.4	3.3
160°-170°	158.7	2.2
170°-180°	55.6	0.8
0°-90°	5613.9	79.4
0°-180°	7072.8	100.0



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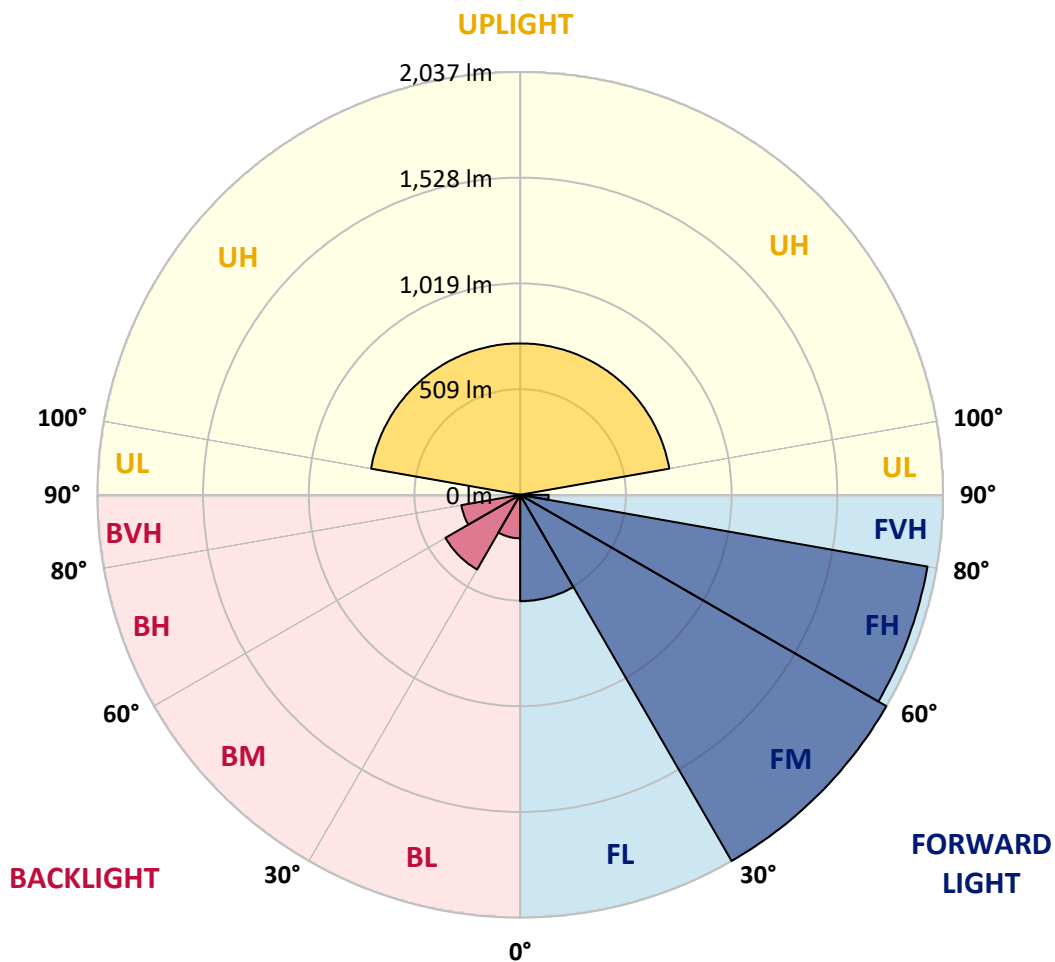
CATALOG NUMBER: ISS-AF-1200-LED-E1-SLL-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	512.9	7.3			
FM	(30°-60°)	2037.4	28.8			
FH	(60°-80°)	1992.9	28.2			G2/5000
FVH	(80°-90°)	137.3	1.9			G2/225
BL	(0°-30°)	209.6	3.0	B1/500		
BM	(30°-60°)	415.5	5.9	B1/1000		
BH	(60°-80°)	288.1	4.1	B1/500		G1/500
BVH	(80°-90°)	20.3	0.3			G1/100
UL	(90°-100°)	4.8	0.1		U1/10	
UH	(100°-180°)	729.4	10.3		U4/1000	

BUG Rating: B1-U5-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
2.5°	1649.2	1644.7	1671.4	1675.8	1693.6	1693.6	1713.6	1731.4	1738.1	1753.6	1793.6
5°	1595.8	1609.2	1647.0	1684.7	1711.4	1738.1	1766.9	1802.5	1831.4	1880.3	1982.6
7.5°	1478.1	1498.0	1562.5	1600.3	1642.6	1689.2	1724.7	1766.9	1811.4	1893.7	2075.9
10°	1362.5	1378.0	1460.3	1506.9	1567.0	1615.9	1667.0	1713.6	1762.5	1864.7	2075.9
12.5°	1289.1	1309.1	1402.5	1447.0	1515.8	1567.0	1629.2	1684.7	1742.5	1851.4	2055.9
15°	1273.6	1295.8	1384.7	1440.2	1500.3	1549.2	1604.7	1662.5	1720.3	1827.0	2009.3
17.5°	1315.8	1342.4	1438.1	1500.3	1546.9	1602.5	1642.6	1698.1	1735.8	1820.3	1907.0
20°	1415.8	1447.0	1560.3	1620.3	1658.1	1693.6	1724.7	1758.0	1773.6	1793.6	1778.1
22.5°	1575.9	1613.6	1742.5	1811.4	1838.1	1864.7	1867.0	1871.4	1860.3	1806.9	1686.9
25°	1804.8	1842.5	1989.2	2055.9	2055.9	2055.9	2031.5	2013.7	1962.5	1862.6	1662.5
27.5°	2018.1	2067.0	2242.6	2284.9	2271.5	2251.5	2204.9	2160.4	2087.0	1920.3	1660.2
30°	2178.2	2227.1	2389.3	2422.7	2389.3	2340.4	2267.1	2202.6	2116.0	1949.2	1675.8
32.5°	2324.9	2382.7	2538.2	2542.6	2482.7	2427.1	2344.8	2271.5	2180.4	2002.5	1722.5
35°	2480.5	2538.2	2696.0	2664.9	2578.2	2502.6	2418.2	2353.7	2262.7	2071.5	1798.0
37.5°	2696.0	2747.1	2880.5	2807.2	2696.0	2598.2	2507.2	2422.7	2331.5	2164.9	1924.8
40°	2905.0	2978.3	3100.6	2982.7	2847.2	2716.0	2616.0	2527.1	2427.1	2291.5	2087.0
42.5°	3100.6	3169.4	3282.8	3131.7	2973.8	2842.7	2738.2	2642.7	2547.1	2436.0	2282.6
45°	3249.4	3320.6	3416.1	3256.2	3076.1	2940.5	2827.1	2742.7	2658.2	2582.6	2529.3
47.5°	3393.9	3465.0	3538.4	3365.0	3187.2	3049.4	2916.0	2838.3	2771.6	2731.6	2796.0
50°	3580.6	3629.5	3691.7	3505.0	3316.1	3158.4	3025.0	2964.9	2902.7	2916.0	3131.7
52.5°	3834.0	3876.3	3898.5	3716.2	3505.0	3325.0	3178.3	3096.1	3045.0	3122.8	3487.2
55°	4191.8	4251.9	4203.0	4023.0	3756.2	3551.7	3371.6	3273.9	3242.8	3347.2	3842.9
57.5°	4500.8	4527.5	4491.9	4314.1	4040.7	3811.8	3620.6	3518.4	3482.8	3620.6	4167.4
60°	4636.3	4669.7	4718.6	4565.2	4309.6	4082.9	3918.4	3818.5	3758.4	3918.4	4427.4
62.5°	4658.6	4714.2	4834.2	4756.4	4554.1	4385.2	4236.2	4098.5	4051.8	4174.0	4598.6
65°	4571.9	4656.4	4840.8	4812.0	4698.6	4634.2	4509.7	4403.0	4314.1	4327.4	4589.7
67.5°	4376.3	4474.1	4689.7	4676.3	4689.7	4689.7	4580.8	4491.9	4376.3	4211.8	4251.9
70°	3905.1	4034.0	4283.0	4347.4	4460.8	4460.8	4365.2	4229.6	4096.3	3758.4	3553.9
72.5°	3129.4	3216.2	3598.4	3911.8	4056.3	3998.5	3905.1	3678.4	3385.0	3013.8	2736.0
75°	2118.1	2169.3	2638.2	3211.7	3473.9	3425.0	3271.7	2989.4	2687.1	2273.7	1922.5
77.5°	1180.2	1246.9	1598.1	2047.0	2400.5	2393.7	2373.8	2193.7	1953.6	1611.4	1429.2
80°	693.5	715.7	900.2	1226.9	1531.4	1458.0	1406.9	1264.7	1142.4	986.8	1126.9
82.5°	424.5	402.3	511.2	746.8	904.6	873.5	786.9	733.5	675.7	633.4	749.0
85°	115.6	104.4	208.9	313.4	384.5	415.6	415.6	411.2	369.0	277.8	333.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.6	3.1	4.1
100°	8.2	8.2	8.2	8.7	9.2	9.7	10.2	11.3	12.3	14.3	22.5
102.5°	28.6	28.6	28.6	29.7	30.7	31.7	32.7	34.3	35.8	38.9	46.0
105°	55.2	55.2	55.2	55.8	56.3	56.8	57.3	58.5	59.8	62.4	67.5
107.5°	79.8	79.6	78.8	79.6	80.3	81.0	81.8	82.9	83.9	85.9	90.0
110°	103.3	103.5	104.3	104.5	104.9	105.2	105.4	106.2	106.9	108.4	112.5



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
112.5°	126.8	126.8	126.8	127.4	127.9	128.4	128.9	129.7	130.4	132.0	135.0
115°	149.4	149.6	150.4	150.9	151.4	151.9	152.4	152.9	153.4	154.5	157.5
117.5°	172.9	173.1	173.9	174.4	174.9	175.4	175.9	176.5	177.0	178.0	181.1
120°	197.4	197.8	199.5	199.7	200.0	200.3	200.5	201.0	201.5	202.5	205.6
122.5°	224.0	224.2	225.0	225.3	225.6	225.9	226.1	226.6	227.1	228.1	231.2
125°	249.6	250.0	251.6	251.9	252.2	252.5	252.7	252.9	253.2	253.7	256.8
127.5°	273.1	273.5	275.2	275.4	275.7	276.0	276.2	276.7	277.2	278.2	280.3
130°	296.7	297.1	298.7	298.9	299.2	299.5	299.7	299.9	300.2	300.7	304.8
132.5°	320.2	320.4	321.2	322.0	322.7	323.5	324.3	324.5	324.8	325.3	328.4
135°	343.7	343.9	344.7	345.2	345.8	346.3	346.8	347.3	347.8	348.8	352.9
137.5°	367.2	367.4	368.3	369.1	369.8	370.5	371.3	371.5	371.8	372.4	375.4
140°	390.8	391.0	391.8	392.3	392.8	393.3	393.8	394.0	394.3	394.9	396.9
142.5°	413.3	413.7	415.3	415.8	416.3	416.9	417.4	417.2	416.9	416.3	419.4
145°	434.8	435.0	435.8	436.3	436.8	437.3	437.8	437.8	437.8	437.8	440.9
147.5°	454.2	454.2	454.2	455.0	455.7	456.4	457.3	457.5	457.8	458.3	462.4
150°	471.6	471.8	472.6	473.1	473.6	474.1	474.6	474.9	475.2	475.7	479.8
152.5°	490.0	490.2	491.0	491.8	492.6	493.3	494.1	493.9	493.6	493.1	496.1
155°	510.5	510.7	511.5	512.0	512.5	513.0	513.5	513.3	513.0	512.5	514.5
157.5°	524.8	525.2	526.8	527.3	527.8	528.4	528.9	528.7	528.4	527.8	530.9
160°	537.0	537.5	539.1	539.6	540.1	540.6	541.1	541.1	541.1	541.1	544.2
162.5°	547.3	547.5	548.3	549.1	549.8	550.6	551.4	551.2	550.9	550.3	553.4
165°	558.5	558.7	559.6	560.1	560.6	561.1	561.6	561.4	561.1	560.6	564.7
167.5°	567.7	567.9	568.8	569.6	570.3	571.0	571.8	571.6	571.3	570.8	573.9
170°	574.9	575.1	575.9	576.7	577.5	578.2	579.0	578.8	578.5	578.0	580.0
172.5°	578.0	578.2	579.0	579.8	580.5	581.2	582.1	581.5	581.0	580.0	582.1
175°	580.0	580.4	582.1	582.3	582.6	582.9	583.1	582.9	582.6	582.1	585.1
177.5°	585.1	585.3	586.2	586.7	587.2	587.7	588.2	588.0	587.7	587.2	591.3
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2

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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
2.5°	1809.2	1811.4	1804.8	1820.3	1802.5	1793.6	1766.9	1766.9	1744.7	1726.9	1707.0
5°	2020.3	2033.7	2022.6	2024.8	1989.2	1953.6	1900.3	1869.2	1813.7	1753.6	1691.4
7.5°	2162.6	2184.8	2175.9	2138.2	2082.6	2007.0	1918.1	1833.6	1742.5	1644.7	1553.6
10°	2200.4	2224.8	2204.9	2133.7	2042.5	1935.9	1829.2	1715.9	1604.7	1500.3	1402.5
12.5°	2147.1	2164.9	2122.6	2044.8	1955.9	1849.2	1738.1	1640.3	1509.2	1398.1	1284.6
15°	2011.4	2000.4	1995.9	1940.3	1878.1	1791.4	1686.9	1586.9	1464.7	1351.3	1231.3
17.5°	1864.7	1851.4	1855.8	1833.6	1824.7	1784.7	1707.0	1622.5	1513.6	1375.8	1246.9
20°	1735.8	1722.5	1729.2	1740.3	1773.6	1775.8	1762.5	1707.0	1626.9	1482.5	1324.7
22.5°	1624.8	1626.9	1649.2	1680.3	1735.8	1806.9	1862.6	1873.6	1818.1	1649.2	1451.4
25°	1591.4	1580.3	1604.7	1655.9	1749.1	1887.0	2011.4	2073.7	2042.5	1873.6	1631.4
27.5°	1580.3	1564.7	1591.4	1658.1	1806.9	2000.4	2178.2	2271.5	2282.6	2109.2	1824.7
30°	1580.3	1573.6	1600.3	1686.9	1844.8	2038.1	2236.0	2376.0	2420.4	2276.0	1993.6
32.5°	1600.3	1604.7	1651.3	1762.5	1924.8	2122.6	2327.1	2478.2	2558.2	2449.4	2129.3
35°	1644.7	1653.6	1720.3	1849.2	2024.8	2224.8	2411.5	2564.8	2693.8	2636.0	2255.9
37.5°	1740.3	1753.6	1835.9	1967.0	2127.0	2307.1	2489.4	2653.8	2840.5	2816.1	2389.3
40°	1909.2	1909.2	1991.5	2104.8	2236.0	2373.8	2553.8	2747.1	2976.1	3009.4	2553.8
42.5°	2122.6	2113.7	2167.0	2249.3	2340.4	2456.0	2618.2	2833.8	3102.7	3176.1	2678.3
45°	2416.0	2371.5	2400.5	2420.4	2464.9	2536.0	2680.4	2916.0	3205.0	3300.6	2771.6
47.5°	2760.4	2698.2	2673.8	2636.0	2620.5	2647.1	2771.6	2980.5	3302.8	3407.2	2922.8
50°	3140.6	3080.5	3016.1	2913.9	2825.0	2798.3	2873.9	3067.2	3407.2	3540.6	3089.4
52.5°	3536.1	3494.0	3409.5	3249.4	3080.5	2985.0	3020.6	3211.7	3574.0	3747.3	3287.3
55°	3898.5	3911.8	3809.6	3622.9	3380.5	3233.9	3276.1	3467.3	3876.3	4080.8	3618.4
57.5°	4287.4	4251.9	4171.8	3978.5	3714.0	3556.2	3574.0	3805.1	4214.0	4369.6	3947.4
60°	4545.3	4545.3	4458.5	4311.8	4060.7	3914.0	3940.7	4154.1	4485.2	4500.8	4094.1
62.5°	4711.9	4736.4	4667.5	4563.0	4318.5	4196.2	4287.4	4438.6	4618.6	4489.6	4020.7
65°	4631.9	4658.6	4651.9	4536.4	4363.0	4354.1	4518.6	4554.1	4538.5	4327.4	3767.3
67.5°	4269.6	4216.3	4214.0	4154.1	4118.5	4302.9	4511.9	4523.0	4260.7	4009.6	3367.2
70°	3580.6	3489.5	3453.9	3471.7	3633.9	3978.5	4276.3	4191.8	3774.0	3558.4	2867.1
72.5°	2760.4	2651.6	2629.4	2698.2	2949.4	3433.9	3840.7	3722.8	3102.7	2851.6	2220.4
75°	1958.1	1911.5	1913.6	2049.3	2320.4	2787.1	3260.6	3249.4	2298.2	1967.0	1529.1
77.5°	1424.7	1433.6	1473.6	1527.0	1760.3	2211.5	2656.0	2627.1	1635.8	1351.3	1069.1
80°	1175.8	1189.1	1189.1	1160.2	1220.2	1460.3	1804.8	1927.0	1095.8	909.1	746.8
82.5°	844.5	911.2	949.1	902.3	880.1	962.4	1131.3	1211.3	682.3	573.5	522.3
85°	402.3	460.1	473.4	462.3	531.2	606.8	646.8	662.4	373.4	266.7	342.3
87.5°	0.0	0.0	2.3	17.8	48.9	84.5	84.5	128.9	20.0	6.6	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	9.2	11.3	13.3	10.2	7.2	6.1	5.1	4.6	4.1	4.1	4.1
100°	30.7	31.7	32.7	31.7	30.7	29.2	27.6	27.1	26.6	25.6	26.6
102.5°	51.1	51.7	52.2	51.7	51.1	50.1	49.1	49.6	50.1	49.1	50.1
105°	71.6	72.1	72.6	72.6	72.6	71.6	70.6	71.6	72.6	70.6	72.6
107.5°	93.1	94.1	95.1	94.6	94.1	93.6	93.1	93.6	94.1	93.1	94.1
110°	114.6	115.6	116.6	116.6	116.6	116.1	115.6	116.1	116.6	115.6	116.6



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
112.5°	137.1	138.1	139.1	139.1	139.1	138.6	138.1	139.1	140.1	138.1	140.1
115°	159.6	160.6	161.6	161.6	161.6	161.6	161.6	162.6	163.7	162.6	163.7
117.5°	183.1	183.6	184.1	184.6	185.2	184.6	184.1	185.2	186.2	184.1	186.2
120°	206.6	207.7	208.7	208.7	208.7	208.7	208.7	209.7	210.7	208.7	210.7
122.5°	232.2	232.7	233.2	233.2	233.2	233.7	234.3	236.3	238.3	237.3	238.3
125°	257.8	258.3	258.8	259.3	259.8	259.8	259.8	261.4	262.9	261.9	262.9
127.5°	282.3	283.4	284.4	283.9	283.4	283.9	284.4	285.9	287.4	284.4	287.4
130°	305.9	306.9	307.9	307.9	307.9	308.4	308.9	310.5	312.0	310.0	312.0
132.5°	329.4	330.9	332.5	332.5	332.5	333.0	333.5	335.0	336.6	334.5	336.6
135°	352.9	354.5	356.0	356.0	356.0	356.5	357.0	358.0	359.1	358.0	359.1
137.5°	375.4	376.4	377.5	377.5	377.5	378.0	378.5	380.5	382.6	380.5	382.6
140°	397.9	398.4	399.0	399.0	399.0	400.0	401.0	403.0	405.1	403.0	405.1
142.5°	419.4	420.4	421.5	421.5	421.5	422.0	422.5	424.0	425.5	424.5	425.5
145°	441.9	442.9	444.0	443.4	442.9	443.4	444.0	445.5	447.0	445.0	447.0
147.5°	463.4	463.9	464.4	463.4	462.4	462.9	463.4	464.9	466.5	463.4	466.5
150°	480.8	481.3	481.8	480.8	479.8	479.8	479.8	481.8	483.9	480.8	483.9
152.5°	497.2	497.7	498.2	497.7	497.2	497.2	497.2	498.7	500.2	497.2	500.2
155°	514.5	515.1	515.6	515.1	514.5	515.1	515.6	517.1	518.6	516.6	518.6
157.5°	530.9	530.9	530.9	529.9	528.9	529.4	529.9	532.4	535.0	531.9	535.0
160°	544.2	544.2	544.2	543.2	542.2	542.2	542.2	543.7	545.2	543.2	545.2
162.5°	553.4	553.9	554.4	553.4	552.4	551.4	550.3	551.4	552.4	549.3	552.4
165°	564.7	565.2	565.7	564.2	562.6	561.6	560.6	561.6	562.6	560.6	562.6
167.5°	572.9	572.9	572.9	571.8	570.8	571.3	571.8	573.9	575.9	573.9	575.9
170°	579.0	578.5	578.0	577.5	576.9	578.0	579.0	581.5	584.1	582.1	584.1
172.5°	581.0	581.5	582.1	581.0	580.0	580.5	581.0	582.6	584.1	581.0	584.1
175°	585.1	585.6	586.2	584.6	583.1	582.1	581.0	582.6	584.1	581.0	584.1
177.5°	590.2	590.2	590.2	588.7	587.2	587.2	587.2	588.7	590.2	587.2	590.2
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
2.5°	1680.3	1651.3	1629.2	1602.5	1580.3	1558.1	1542.5	1509.2	1482.5	1422.5	1406.9
5°	1640.3	1578.0	1535.9	1495.9	1444.7	1409.1	1371.4	1324.7	1273.6	1186.8	1160.2
7.5°	1482.5	1404.7	1346.9	1289.1	1222.4	1162.4	1106.8	1044.6	955.7	862.3	826.9
10°	1311.3	1229.1	1149.1	1080.2	1000.1	933.5	884.6	840.1	769.1	697.9	651.2
12.5°	1171.3	1078.0	986.8	917.9	875.7	842.4	806.8	771.2	695.7	615.6	560.1
15°	1106.8	998.0	917.9	860.2	822.4	782.4	740.1	700.1	611.2	517.8	451.2
17.5°	1115.7	991.2	889.0	811.3	760.2	704.6	655.7	604.6	506.8	395.6	335.6
20°	1164.6	998.0	857.9	766.8	693.5	622.4	560.1	495.6	375.6	289.0	246.7
22.5°	1226.9	1020.2	840.1	722.3	631.3	542.3	462.3	386.8	277.8	226.7	206.7
25°	1333.5	1071.3	835.8	682.3	571.2	464.5	382.3	302.3	224.4	200.0	188.9
27.5°	1466.9	1129.1	840.1	653.5	520.1	402.3	311.2	251.1	202.2	188.9	180.0
30°	1600.3	1189.1	820.1	609.0	460.1	344.5	266.7	228.9	200.0	184.4	168.9
32.5°	1718.0	1233.6	786.9	562.3	406.7	293.4	226.7	195.6	175.5	157.8	153.3
35°	1802.5	1253.5	749.0	533.5	371.1	262.3	200.0	175.5	155.6	137.8	128.9
37.5°	1882.5	1255.8	709.0	506.8	357.8	248.9	184.4	162.2	144.4	128.9	120.0
40°	1964.8	1246.9	686.8	480.1	337.9	242.2	177.8	151.1	140.0	122.2	113.3
42.5°	2024.8	1231.3	677.9	464.5	320.1	224.4	173.4	148.9	133.4	120.0	108.9
45°	2080.4	1215.8	677.9	451.2	306.7	213.4	164.5	151.1	128.9	117.8	104.4
47.5°	2147.1	1222.4	680.2	440.1	295.6	202.2	155.6	146.7	131.1	115.6	102.2
50°	2260.4	1298.0	691.2	433.4	286.7	193.3	148.9	140.0	144.4	113.3	100.0
52.5°	2456.0	1418.0	709.0	428.9	277.8	186.7	140.0	135.5	146.7	113.3	97.8
55°	2711.5	1540.3	726.8	417.9	264.5	173.4	135.5	126.6	135.5	113.3	95.5
57.5°	2960.5	1631.4	742.4	402.3	242.2	160.0	128.9	120.0	124.5	111.1	91.1
60°	3105.0	1702.5	757.9	375.6	215.6	144.4	122.2	113.3	111.1	111.1	88.9
62.5°	3145.0	1675.8	749.0	342.3	193.3	133.4	115.6	106.7	100.0	113.3	88.9
65°	3018.3	1535.9	715.7	313.4	177.8	128.9	108.9	102.2	95.5	97.8	84.5
67.5°	2629.4	1291.4	624.5	286.7	175.5	126.6	104.4	97.8	88.9	86.6	80.0
70°	2144.8	1013.5	517.8	266.7	173.4	126.6	100.0	91.1	84.5	77.7	73.3
72.5°	1649.2	757.9	435.7	257.8	175.5	124.5	93.4	82.2	75.6	71.1	66.7
75°	1160.2	535.6	362.3	231.2	164.5	117.8	86.6	73.3	66.7	62.2	57.8
77.5°	840.1	364.5	268.9	186.7	140.0	102.2	75.6	62.2	55.5	53.3	48.9
80°	535.6	224.4	180.0	137.8	102.2	80.0	57.8	48.9	44.5	40.0	37.7
82.5°	308.9	131.1	108.9	93.4	66.7	53.3	42.2	37.7	28.8	26.7	24.4
85°	188.9	82.2	60.0	48.9	42.2	33.3	24.4	22.2	15.5	13.3	11.2
87.5°	42.2	17.8	15.5	11.2	13.3	11.2	6.6	4.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.6	5.1	6.1	7.2	10.2	13.3	11.3	9.2	4.1	3.1	2.0
100°	27.1	27.6	29.2	30.7	31.7	32.7	31.7	30.7	22.5	14.3	10.2
102.5°	49.6	49.1	50.1	51.1	51.7	52.2	51.7	51.1	46.0	38.9	32.7
105°	71.6	70.6	71.6	72.6	72.6	72.6	72.1	71.6	67.5	62.4	57.3
107.5°	93.6	93.1	93.6	94.1	94.6	95.1	94.1	93.1	90.0	85.9	81.8
110°	116.1	115.6	116.1	116.6	116.6	116.6	115.6	114.6	112.5	108.4	105.4

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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°	
112.5°	139.1	138.1	138.6	139.1	139.1	139.1	138.1	137.1	135.0	132.0	128.9	0°
115°	162.6	161.6	161.6	161.6	161.6	161.6	160.6	159.6	157.5	154.5	152.4	2.5°
117.5°	185.2	184.1	184.6	185.2	184.6	184.1	183.6	183.1	181.1	178.0	175.9	5°
120°	209.7	208.7	208.7	208.7	208.7	208.7	207.7	206.6	205.6	202.5	200.5	7.5°
122.5°	236.3	234.3	233.7	233.2	233.2	233.2	232.7	232.2	231.2	228.1	226.1	10°
125°	261.4	259.8	259.8	259.8	259.3	258.8	258.3	257.8	256.8	253.7	252.7	12.5°
127.5°	285.9	284.4	283.9	283.4	283.9	284.4	283.4	282.3	280.3	278.2	276.2	15°
130°	310.5	308.9	308.4	307.9	307.9	307.9	306.9	305.9	304.8	300.7	299.7	17.5°
132.5°	335.0	333.5	333.0	332.5	332.5	332.5	330.9	329.4	328.4	325.3	324.3	20°
135°	358.0	357.0	356.5	356.0	356.0	356.0	354.5	352.9	352.9	348.8	346.8	22.5°
137.5°	380.5	378.5	378.0	377.5	377.5	377.5	376.4	375.4	375.4	372.4	371.3	25°
140°	403.0	401.0	400.0	399.0	399.0	399.0	398.4	397.9	396.9	394.9	393.8	27.5°
142.5°	424.0	422.5	422.0	421.5	421.5	421.5	420.4	419.4	419.4	416.3	417.4	30°
145°	445.5	444.0	443.4	442.9	443.4	444.0	442.9	441.9	440.9	437.8	437.8	32.5°
147.5°	464.9	463.4	462.9	462.4	463.4	464.4	463.9	463.4	462.4	458.3	457.3	35°
150°	481.8	479.8	479.8	479.8	480.8	481.8	481.3	480.8	479.8	475.7	474.6	37.5°
152.5°	498.7	497.2	497.2	497.2	497.7	498.2	497.7	497.2	496.1	493.1	494.1	40°
155°	517.1	515.6	515.1	514.5	515.1	515.6	515.1	514.5	514.5	512.5	513.5	42.5°
157.5°	532.4	529.9	529.4	528.9	529.9	530.9	530.9	530.9	530.9	527.8	528.9	45°
160°	543.7	542.2	542.2	542.2	543.2	544.2	544.2	544.2	544.2	541.1	541.1	47.5°
162.5°	551.4	550.3	551.4	552.4	553.4	554.4	553.9	553.4	553.4	550.3	551.4	50°
165°	561.6	560.6	561.6	562.6	564.2	565.7	565.2	564.7	564.7	560.6	561.6	52.5°
167.5°	573.9	571.8	571.3	570.8	571.8	572.9	572.9	572.9	573.9	570.8	571.8	55°
170°	581.5	579.0	578.0	576.9	577.5	578.0	578.5	579.0	580.0	578.0	579.0	57.5°
172.5°	582.6	581.0	580.5	580.0	581.0	582.1	581.5	581.0	582.1	580.0	582.1	60°
175°	582.6	581.0	582.1	583.1	584.6	586.2	585.6	585.1	585.1	582.1	583.1	62.5°
177.5°	588.7	587.2	587.2	587.2	588.7	590.2	590.2	590.2	591.3	587.2	588.2	65°
180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°



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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	175°	175°
1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	112.5°	126.8
1382.4	1349.2	1351.3	1344.7	1326.9	1298.0	1289.1	1273.6	1275.8	1284.6	1275.8	115°	150.4
1129.1	1089.0	1093.5	1091.3	1073.5	1053.5	1038.0	1017.9	1011.3	1017.9	1006.9	117.5°	173.9
800.2	773.5	782.4	802.4	800.2	789.0	775.7	753.5	749.0	751.3	731.2	120°	199.5
611.2	584.5	577.9	575.6	571.2	564.6	546.8	529.0	522.3	524.6	511.2	122.5°	225.0
511.2	489.0	462.3	437.8	415.6	406.7	384.5	373.4	371.1	371.1	364.5	125°	251.6
404.5	386.8	371.1	346.7	329.0	315.6	300.0	291.1	289.0	291.1	291.1	127.5°	275.2
302.3	293.4	286.7	284.5	275.6	266.7	257.8	253.4	251.1	251.1	253.4	130°	298.7
231.2	228.9	228.9	228.9	240.1	248.9	251.1	244.5	242.2	240.1	237.8	132.5°	321.2
200.0	197.8	200.0	213.4	206.7	200.0	200.0	200.0	200.0	200.0	202.2	135°	344.7
184.4	186.7	188.9	182.3	175.5	171.1	168.9	168.9	166.7	166.7	168.9	137.5°	368.3
175.5	173.4	171.1	166.7	162.2	155.6	153.3	151.1	151.1	151.1	151.1	140°	391.8
164.5	162.2	160.0	155.6	148.9	140.0	137.8	137.8	135.5	137.8	137.8	142.5°	415.3
151.1	148.9	146.7	142.3	135.5	131.1	128.9	124.5	124.5	124.5	126.6	145°	435.8
122.2	120.0	120.0	122.2	122.2	120.0	120.0	115.6	115.6	115.6	115.6	147.5°	454.2
113.3	111.1	111.1	108.9	111.1	113.3	111.1	108.9	108.9	106.7	106.7	150°	472.6
106.7	106.7	104.4	102.2	102.2	106.7	104.4	102.2	100.0	100.0	100.0	152.5°	491.0
102.2	100.0	100.0	97.8	97.8	97.8	95.5	93.4	91.1	91.1	91.1	155°	511.5
97.8	97.8	95.5	93.4	91.1	91.1	86.6	84.5	84.5	84.5	86.6	157.5°	526.8
95.5	93.4	93.4	91.1	88.9	84.5	82.2	80.0	80.0	80.0	80.0	160°	539.1
93.4	91.1	88.9	88.9	84.5	82.2	80.0	77.7	77.7	77.7	77.7	162.5°	548.3
91.1	88.9	86.6	84.5	82.2	80.0	77.7	75.6	75.6	75.6	75.6	165°	559.6
86.6	84.5	84.5	82.2	82.2	80.0	77.7	75.6	75.6	75.6	73.3	167.5°	568.8
84.5	82.2	80.0	80.0	80.0	77.7	75.6	73.3	73.3	73.3	73.3	170°	575.9
82.2	80.0	80.0	77.7	77.7	75.6	75.6	73.3	71.1	71.1	68.9	172.5°	579.0
80.0	77.7	77.7	75.6	77.7	75.6	73.3	71.1	68.9	68.9	66.7	175°	582.1
77.7	75.6	75.6	75.6	73.3	73.3	71.1	66.7	66.7	66.7	64.4	177.5°	586.2
73.3	71.1	71.1	73.3	71.1	68.9	68.9	64.4	64.4	62.2	62.2	180°	589.2
66.7	66.7	66.7	68.9	66.7	64.4	64.4	62.2	60.0	57.8	57.8		
62.2	60.0	62.2	62.2	62.2	60.0	62.2	57.8	55.5	53.3	53.3		
53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	51.1	48.9	46.6		
42.2	44.5	44.5	44.5	44.5	46.6	44.5	44.5	44.5	42.2	40.0		
31.1	31.1	33.3	35.6	33.3	35.6	33.3	35.6	33.3	33.3	33.3		
17.8	17.8	20.0	22.2	22.2	24.4	20.0	22.2	22.2	24.4	22.2		
6.6	6.6	6.6	6.6	8.9	8.9	6.6	8.9	8.9	11.2	11.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
2.0	2.0	2.0	2.0	3.1	4.1	9.2	11.3	12.3	13.3	11.8		
8.2	8.2	8.2	10.2	14.3	22.5	30.7	31.7	32.2	32.7	32.2		
28.6	28.6	28.6	32.7	38.9	46.0	51.1	51.7	52.0	52.2	52.0		
55.2	55.2	55.2	57.3	62.4	67.5	71.6	72.1	72.4	72.6	72.6		
78.8	79.8	78.8	81.8	85.9	90.0	93.1	94.1	94.6	95.1	94.9		
104.3	103.3	104.3	105.4	108.4	112.5	114.6	115.6	116.1	116.6	116.6		

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TION (continued):

CANDELA DISTRIBUTION (con

180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°		240°	242.5°
126.8	126.8	128.9	132.0	135.0	137.1	138.1	138.6	139.1	139.1	0°	1553.6	1553.6
149.4	150.4	152.4	154.5	157.5	159.6	160.6	161.1	161.6	161.6	2.5°	1293.5	1293.5
172.9	173.9	175.9	178.0	181.1	183.1	183.6	183.9	184.1	184.3	5°	1015.7	1013.5
197.4	199.5	200.5	202.5	205.6	206.6	207.7	208.2	208.7	208.7	7.5°	738.0	731.2
224.0	225.0	226.1	228.1	231.2	232.2	232.7	233.0	233.2	233.2	10°	515.7	497.9
249.6	251.6	252.7	253.7	256.8	257.8	258.3	258.6	258.8	259.0	12.5°	373.4	366.7
273.1	275.2	276.2	278.2	280.3	282.3	283.4	283.9	284.4	284.2	15°	295.6	295.6
296.7	298.7	299.7	300.7	304.8	305.9	306.9	307.4	307.9	307.9	17.5°	255.6	255.6
320.2	321.2	324.3	325.3	328.4	329.4	330.9	331.6	332.5	332.5	20°	235.6	233.3
343.7	344.7	346.8	348.8	352.9	352.9	354.5	355.2	356.0	356.0	22.5°	202.2	200.0
367.2	368.3	371.3	372.4	375.4	375.4	376.4	377.0	377.5	377.5	25°	166.7	166.7
390.8	391.8	393.8	394.9	396.9	397.9	398.4	398.7	399.0	399.0	27.5°	151.1	151.1
413.3	415.3	417.4	416.3	419.4	419.4	420.4	420.9	421.5	421.5	30°	137.8	140.0
434.8	435.8	437.8	437.8	440.9	441.9	442.9	443.4	444.0	443.8	32.5°	126.6	126.6
454.2	454.2	457.3	458.3	462.4	463.4	463.9	464.2	464.4	463.9	35°	113.3	113.3
471.6	472.6	474.6	475.7	479.8	480.8	481.3	481.6	481.8	481.3	37.5°	104.4	102.2
490.0	491.0	494.1	493.1	496.1	497.2	497.7	498.0	498.2	498.0	40°	95.5	95.5
510.5	511.5	513.5	512.5	514.5	514.5	515.1	515.4	515.6	515.4	42.5°	88.9	88.9
524.8	526.8	528.9	527.8	530.9	530.9	530.9	530.9	530.9	530.4	45°	84.5	84.5
537.0	539.1	541.1	541.1	544.2	544.2	544.2	544.2	544.2	543.7	47.5°	82.2	82.2
547.3	548.3	551.4	550.3	553.4	553.4	553.9	554.2	554.4	553.9	50°	77.7	77.7
558.5	559.6	561.6	560.6	564.7	564.7	565.2	565.5	565.7	564.9	52.5°	75.6	75.6
567.7	568.8	571.8	570.8	573.9	572.9	572.9	572.9	572.9	572.3	55°	73.3	75.6
574.9	575.9	579.0	578.0	580.0	579.0	578.5	578.2	578.0	577.8	57.5°	71.1	71.1
578.0	579.0	582.1	580.0	582.1	581.0	581.5	581.9	582.1	581.5	60°	68.9	68.9
580.0	582.1	583.1	582.1	585.1	585.1	585.6	585.9	586.2	585.3	62.5°	66.7	66.7
585.1	586.2	588.2	587.2	591.3	590.2	590.2	590.2	590.2	589.4	65°	64.4	64.4
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	60.0	60.0
										70°	55.5	55.5
										72.5°	51.1	51.1
										75°	46.6	44.5
										77.5°	40.0	37.7
										80°	33.3	31.1
										82.5°	24.4	22.2
										85°	11.2	11.2
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	10.2	8.7
										100°	31.7	31.2
										102.5°	51.7	51.4
										105°	72.6	72.6
										107.5°	94.6	94.3
										110°	116.6	116.6



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CANDELA DISTRIBUTION (continued):

245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	112.5°	139.1	139.1	139.1
1266.9	1271.3	1275.8	1284.6	1280.2	1278.0	1275.8	1289.1	1295.8	115°	161.6	161.6	161.6
980.2	977.9	984.6	986.8	980.2	969.0	962.4	964.6	971.3	117.5°	184.6	184.9	185.2
700.1	695.7	693.5	695.7	689.0	677.9	669.0	671.3	677.9	120°	208.7	208.7	208.7
493.4	495.6	500.1	504.5	504.5	504.5	506.8	520.1	535.6	122.5°	233.2	233.2	233.2
371.1	375.6	384.5	391.2	397.8	400.1	402.3	420.0	433.4	125°	259.3	259.6	259.8
300.0	302.3	306.7	311.2	315.6	315.6	317.8	324.5	335.6	127.5°	283.9	283.6	283.4
255.6	255.6	255.6	253.4	251.1	246.7	244.5	242.2	244.5	130°	307.9	307.9	307.9
228.9	226.7	222.3	217.8	215.6	208.9	206.7	200.0	197.8	132.5°	332.5	332.5	332.5
200.0	200.0	200.0	197.8	195.6	193.3	188.9	182.3	177.8	135°	356.0	356.0	356.0
166.7	168.9	168.9	171.1	175.5	175.5	175.5	175.5	168.9	137.5°	377.5	377.5	377.5
151.1	151.1	153.3	153.3	155.6	155.6	155.6	157.8	160.0	140°	399.0	399.0	399.0
140.0	142.3	142.3	144.4	144.4	146.7	146.7	148.9	148.9	142.5°	421.5	421.5	421.5
128.9	131.1	131.1	131.1	135.5	135.5	133.4	135.5	135.5	145°	443.4	443.1	442.9
113.3	113.3	113.3	113.3	113.3	113.3	108.9	106.7	108.9	147.5°	463.4	462.9	462.4
102.2	100.0	97.8	97.8	97.8	100.0	97.8	100.0	100.0	150°	480.8	480.3	479.8
93.4	93.4	93.4	93.4	93.4	93.4	93.4	95.5	97.8	152.5°	497.7	497.4	497.2
88.9	88.9	88.9	88.9	88.9	88.9	88.9	91.1	91.1	155°	515.1	514.7	514.5
84.5	84.5	86.6	86.6	86.6	86.6	86.6	86.6	88.9	157.5°	529.9	529.4	528.9
82.2	82.2	82.2	82.2	82.2	82.2	82.2	84.5	86.6	160°	543.2	542.7	542.2
80.0	80.0	80.0	80.0	80.0	80.0	80.0	82.2	84.5	162.5°	553.4	552.9	552.4
75.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	80.0	165°	564.2	563.4	562.6
75.6	75.6	75.6	75.6	73.3	73.3	73.3	73.3	75.6	167.5°	571.8	571.3	570.8
73.3	73.3	73.3	71.1	71.1	68.9	68.9	68.9	73.3	170°	577.5	577.1	576.9
68.9	68.9	68.9	66.7	66.7	66.7	66.7	68.9	68.9	172.5°	581.0	580.5	580.0
64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	175°	584.6	583.9	583.1
62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	177.5°	588.7	588.0	587.2
60.0	57.8	57.8	57.8	57.8	60.0	57.8	57.8	57.8	180°	589.2	589.2	589.2
55.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3				
51.1	51.1	48.9	48.9	48.9	48.9	48.9	48.9	48.9				
44.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2				
37.7	37.7	35.6	35.6	35.6	35.6	35.6	35.6	35.6				
31.1	28.8	28.8	28.8	28.8	28.8	28.8	26.7	26.7				
22.2	22.2	22.2	20.0	20.0	20.0	20.0	17.8	15.5				
8.9	11.2	11.2	13.3	11.2	11.2	11.2	8.9	4.4				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
7.2	6.6	6.1	5.6	5.1	4.9	4.6	4.1	4.1				
30.7	29.9	29.2	28.4	27.6	27.4	27.1	26.6	25.6				
51.1	50.6	50.1	49.6	49.1	49.3	49.6	50.1	49.1				
72.6	72.1	71.6	71.1	70.6	71.1	71.6	72.6	70.6				
94.1	93.9	93.6	93.3	93.1	93.3	93.6	94.1	93.1				
116.6	116.4	116.1	115.8	115.6	115.8	116.1	116.6	115.6				

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CANDELA DISTRIBUTION (continued):

247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		275°	280°	282.5°	285°
138.9	138.6	138.3	138.1	138.6	139.1	140.1	138.1	0°	1553.6	1553.6	1553.6	1553.6
161.6	161.6	161.6	161.6	162.1	162.6	163.7	162.6	2.5°	1291.4	1313.6	1315.8	1302.4
184.9	184.6	184.3	184.1	184.6	185.2	186.2	184.1	5°	962.4	991.2	989.1	971.3
208.7	208.7	208.7	208.7	209.2	209.7	210.7	208.7	7.5°	680.2	704.6	702.4	700.1
233.4	233.7	234.1	234.3	235.3	236.3	238.3	237.3	10°	551.2	573.5	580.1	595.7
259.8	259.8	259.8	259.8	260.6	261.4	262.9	261.9	12.5°	446.7	473.4	480.1	497.9
283.6	283.9	284.2	284.4	285.2	285.9	287.4	284.4	15°	344.5	366.7	373.4	386.8
308.1	308.4	308.7	308.9	309.7	310.5	312.0	310.0	17.5°	253.4	266.7	271.2	280.1
332.7	333.0	333.3	333.5	334.3	335.0	336.6	334.5	20°	197.8	202.2	204.5	206.7
356.2	356.5	356.8	357.0	357.5	358.0	359.1	358.0	22.5°	177.8	180.0	180.0	182.3
377.7	378.0	378.3	378.5	379.5	380.5	382.6	380.5	25°	164.5	166.7	166.7	168.9
399.5	400.0	400.5	401.0	402.0	403.0	405.1	403.0	27.5°	157.8	157.8	157.8	157.8
421.7	422.0	422.3	422.5	423.3	424.0	425.5	424.5	30°	151.1	151.1	151.1	153.3
443.1	443.4	443.8	444.0	444.8	445.5	447.0	445.0	32.5°	140.0	135.5	140.0	137.8
462.6	462.9	463.2	463.4	464.2	464.9	466.5	463.4	35°	108.9	108.9	111.1	113.3
479.8	479.8	479.8	479.8	480.8	481.8	483.9	480.8	37.5°	102.2	104.4	104.4	106.7
497.2	497.2	497.2	497.2	498.0	498.7	500.2	497.2	40°	97.8	100.0	102.2	104.4
514.7	515.1	515.4	515.6	516.4	517.1	518.6	516.6	42.5°	93.4	97.8	97.8	100.0
529.1	529.4	529.7	529.9	531.1	532.4	535.0	531.9	45°	91.1	93.4	95.5	97.8
542.2	542.2	542.2	542.2	543.0	543.7	545.2	543.2	47.5°	88.9	91.1	93.4	95.5
551.9	551.4	550.9	550.3	550.9	551.4	552.4	549.3	50°	84.5	88.9	91.1	93.4
562.1	561.6	561.1	560.6	561.1	561.6	562.6	560.6	52.5°	82.2	86.6	86.6	91.1
571.0	571.3	571.6	571.8	572.9	573.9	575.9	573.9	55°	77.7	82.2	82.2	86.6
577.5	578.0	578.5	579.0	580.2	581.5	584.1	582.1	57.5°	73.3	77.7	80.0	82.2
580.2	580.5	580.8	581.0	581.9	582.6	584.1	581.0	60°	71.1	73.3	75.6	77.7
582.6	582.1	581.5	581.0	581.9	582.6	584.1	581.0	62.5°	66.7	71.1	73.3	75.6
587.2	587.2	587.2	587.2	588.0	588.7	590.2	587.2	65°	64.4	68.9	68.9	73.3
589.2	589.2	589.2	589.2	589.2	589.2	589.2	589.2	67.5°	60.0	64.4	64.4	66.7
								70°	55.5	57.8	60.0	62.2
								72.5°	51.1	53.3	53.3	55.5
								75°	42.2	44.5	46.6	48.9
								77.5°	35.6	35.6	40.0	40.0
								80°	26.7	26.7	28.8	31.1
								82.5°	15.5	15.5	17.8	17.8
								85°	4.4	4.4	4.4	4.4
								87.5°	0.0	0.0	0.0	0.0
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	4.1	4.6	4.9	5.1
								100°	26.6	27.1	27.4	27.6
								102.5°	50.1	49.6	49.3	49.1
								105°	72.6	71.6	71.1	70.6
								107.5°	94.1	93.6	93.3	93.1
								110°	116.6	116.1	115.8	115.6

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CANDELA DISTRIBUTION (continued):

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	112.5°	140.1	139.1	138.6	138.1	138.3
1329.1	1333.5	1326.9	1326.9	1331.4	1349.2	1349.2	115°	163.7	162.6	162.1	161.6	161.6
1006.9	1017.9	1011.3	1013.5	1022.4	1042.4	1053.5	117.5°	186.2	185.2	184.6	184.1	184.3
722.3	731.2	735.7	742.4	769.1	771.2	784.6	120°	210.7	209.7	209.2	208.7	208.7
602.3	615.6	624.5	635.7	657.9	669.0	684.6	122.5°	238.3	236.3	235.3	234.3	234.1
506.8	522.3	531.2	553.4	566.7	580.1	600.1	125°	262.9	261.4	260.6	259.8	259.8
395.6	413.4	422.3	435.7	462.3	475.7	502.3	127.5°	287.4	285.9	285.2	284.4	284.2
286.7	293.4	311.2	333.4	348.9	371.1	384.5	130°	312.0	310.5	309.7	308.9	308.7
211.1	215.6	224.4	240.1	248.9	266.7	280.1	132.5°	336.6	335.0	334.3	333.5	333.3
182.3	184.4	188.9	193.3	197.8	204.5	211.1	135°	359.1	358.0	357.5	357.0	356.8
168.9	171.1	173.4	175.5	180.0	182.3	184.4	137.5°	382.6	380.5	379.5	378.5	378.3
160.0	160.0	162.2	166.7	166.7	171.1	173.4	140°	405.1	403.0	402.0	401.0	400.5
155.6	160.0	164.5	171.1	173.4	177.8	180.0	142.5°	425.5	424.0	423.3	422.5	422.3
133.4	133.4	135.5	140.0	140.0	142.3	144.4	145°	447.0	445.5	444.8	444.0	443.8
113.3	115.6	117.8	120.0	122.2	126.6	128.9	147.5°	466.5	464.9	464.2	463.4	463.2
108.9	108.9	111.1	115.6	117.8	120.0	122.2	150°	483.9	481.8	480.8	479.8	479.8
104.4	106.7	108.9	111.1	113.3	117.8	120.0	152.5°	500.2	498.7	498.0	497.2	497.2
102.2	104.4	106.7	108.9	113.3	115.6	117.8	155°	518.6	517.1	516.4	515.6	515.4
100.0	102.2	104.4	108.9	111.1	115.6	117.8	157.5°	535.0	532.4	531.1	529.9	529.7
97.8	100.0	102.2	106.7	111.1	115.6	120.0	160°	545.2	543.7	543.0	542.2	542.2
95.5	97.8	102.2	106.7	111.1	117.8	128.9	162.5°	552.4	551.4	550.9	550.3	550.9
93.4	97.8	102.2	106.7	113.3	122.2	133.4	165°	562.6	561.6	561.1	560.6	561.1
91.1	95.5	97.8	104.4	111.1	120.0	122.2	167.5°	575.9	573.9	572.9	571.8	571.6
86.6	91.1	93.4	100.0	108.9	111.1	108.9	170°	584.1	581.5	580.2	579.0	578.5
82.2	84.5	91.1	104.4	113.3	104.4	93.4	172.5°	584.1	582.6	581.9	581.0	580.8
80.0	82.2	86.6	95.5	97.8	86.6	84.5	175°	584.1	582.6	581.9	581.0	581.5
75.6	75.6	77.7	77.7	77.7	77.7	77.7	177.5°	590.2	588.7	588.0	587.2	587.2
68.9	68.9	71.1	71.1	71.1	71.1	71.1	180°	589.2	589.2	589.2	589.2	589.2
62.2	62.2	64.4	64.4	64.4	66.7	66.7						
55.5	57.8	57.8	60.0	60.0	60.0	62.2						
48.9	51.1	51.1	51.1	51.1	53.3	53.3						
42.2	42.2	44.5	44.5	44.5	44.5	44.5						
33.3	33.3	33.3	33.3	33.3	33.3	33.3						
20.0	20.0	22.2	20.0	20.0	17.8	17.8						
4.4	4.4	4.4	2.3	2.3	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
5.6	6.1	6.6	7.2	8.7	10.2	11.8						
28.4	29.2	29.9	30.7	31.2	31.7	32.2						
49.6	50.1	50.6	51.1	51.4	51.7	52.0						
71.1	71.6	72.1	72.6	72.6	72.6	72.6						
93.3	93.6	93.9	94.1	94.3	94.6	94.9						
115.8	116.1	116.4	116.6	116.6	116.6	116.6						



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CANDELA DISTRIBUTION (continued):

290°	292.5°	295°	297.5°	300°	302.5°		305°	307.5°	310°	312.5°	315°	317.5°
138.6	138.9	139.1	139.1	139.1	139.1	0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
161.6	161.6	161.6	161.6	161.6	161.6	2.5°	1382.4	1382.4	1386.9	1404.7	1409.1	1420.3
184.6	184.9	185.2	184.9	184.6	184.3	5°	1093.5	1102.4	1115.7	1137.9	1151.3	1175.8
208.7	208.7	208.7	208.7	208.7	208.7	7.5°	815.7	829.0	840.1	864.6	884.6	909.1
233.7	233.4	233.2	233.2	233.2	233.2	10°	706.8	717.9	733.5	749.0	769.1	780.1
259.8	259.8	259.8	259.6	259.3	259.0	12.5°	629.0	644.6	660.1	682.3	702.4	722.3
283.9	283.6	283.4	283.6	283.9	284.2	15°	533.5	551.2	569.0	593.4	622.4	642.3
308.4	308.1	307.9	307.9	307.9	307.9	17.5°	413.4	433.4	457.9	491.2	522.3	546.8
333.0	332.7	332.5	332.5	332.5	332.5	20°	304.5	322.2	344.5	373.4	395.6	437.8
356.5	356.2	356.0	356.0	356.0	356.0	22.5°	224.4	235.6	253.4	275.6	300.0	337.9
378.0	377.7	377.5	377.5	377.5	377.5	25°	188.9	193.3	200.0	213.4	228.9	255.6
400.0	399.5	399.0	399.0	399.0	399.0	27.5°	175.5	177.8	182.3	188.9	197.8	211.1
422.0	421.7	421.5	421.5	421.5	421.5	30°	184.4	184.4	184.4	186.7	191.2	197.8
443.4	443.1	442.9	443.1	443.4	443.8	32.5°	148.9	151.1	151.1	155.6	157.8	166.7
462.9	462.6	462.4	462.9	463.4	463.9	35°	133.4	135.5	137.8	140.0	144.4	146.7
479.8	479.8	479.8	480.3	480.8	481.3	37.5°	126.6	128.9	131.1	131.1	133.4	137.8
497.2	497.2	497.2	497.4	497.7	498.0	40°	124.5	124.5	124.5	124.5	128.9	133.4
515.1	514.7	514.5	514.7	515.1	515.4	42.5°	120.0	120.0	120.0	122.2	128.9	137.8
529.4	529.1	528.9	529.4	529.9	530.4	45°	120.0	120.0	122.2	131.1	133.4	133.4
542.2	542.2	542.2	542.7	543.2	543.7	47.5°	124.5	128.9	131.1	128.9	126.6	126.6
551.4	551.9	552.4	552.9	553.4	553.9	50°	135.5	133.4	124.5	122.2	122.2	117.8
561.6	562.1	562.6	563.4	564.2	564.9	52.5°	133.4	124.5	122.2	117.8	113.3	111.1
571.3	571.0	570.8	571.3	571.8	572.3	55°	120.0	117.8	111.1	106.7	104.4	106.7
578.0	577.5	576.9	577.1	577.5	577.8	57.5°	104.4	102.2	97.8	97.8	100.0	102.2
580.5	580.2	580.0	580.5	581.0	581.5	60°	91.1	91.1	91.1	93.4	95.5	97.8
582.1	582.6	583.1	583.9	584.6	585.3	62.5°	82.2	84.5	84.5	88.9	91.1	93.4
587.2	587.2	587.2	588.0	588.7	589.4	65°	77.7	80.0	82.2	82.2	84.5	86.6
589.2	589.2	589.2	589.2	589.2	589.2	67.5°	73.3	73.3	75.6	77.7	80.0	82.2
						70°	66.7	68.9	71.1	73.3	73.3	75.6
						72.5°	62.2	62.2	64.4	66.7	66.7	71.1
						75°	53.3	55.5	55.5	55.5	57.8	62.2
						77.5°	46.6	44.5	46.6	46.6	48.9	51.1
						80°	33.3	31.1	31.1	33.3	33.3	33.3
						82.5°	17.8	15.5	17.8	15.5	15.5	17.8
						85°	0.0	0.0	0.0	0.0	0.0	0.0
						87.5°	0.0	0.0	0.0	0.0	0.0	0.0
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	13.3	12.3	11.3	10.2	9.2	8.0
						100°	32.7	32.2	31.7	31.2	30.7	28.6
						102.5°	52.2	52.0	51.7	51.4	51.1	49.9
						105°	72.6	72.4	72.1	71.8	71.6	70.6
						107.5°	95.1	94.6	94.1	93.6	93.1	92.3
						110°	116.6	116.1	115.6	115.1	114.6	114.1



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CANDELA DISTRIBUTION (continued):

320°	322.5°	325°	335°	345°		305°	307.5°	310°	312.5°	315°	317.5°	320°
1553.6	1553.6	1553.6	1553.6	1553.6	112.5°	139.1	138.6	138.1	137.6	137.1	136.6	136.1
1418.0	1438.1	1447.0	1500.3	1555.8	115°	161.6	161.1	160.6	160.1	159.6	159.1	158.6
1171.3	1211.3	1218.0	1315.8	1411.4	117.5°	184.1	183.9	183.6	183.3	183.1	182.6	182.1
915.7	962.4	975.7	1104.7	1238.0	120°	208.7	208.2	207.7	207.1	206.6	206.4	206.1
797.9	820.1	835.8	931.3	1084.6	122.5°	233.2	233.0	232.7	232.4	232.2	232.0	231.7
740.1	762.4	782.4	860.2	980.2	125°	258.8	258.6	258.3	258.0	257.8	257.6	257.3
662.4	686.8	711.3	806.8	946.8	127.5°	284.4	283.9	283.4	282.8	282.3	281.8	281.3
566.7	600.1	631.3	746.8	931.3	130°	307.9	307.4	306.9	306.4	305.9	305.7	305.4
460.1	500.1	537.9	682.3	909.1	132.5°	332.5	331.6	330.9	330.2	329.4	329.2	328.9
362.3	397.8	440.1	622.4	909.1	135°	356.0	355.2	354.5	353.7	352.9	352.9	352.9
280.1	315.6	357.8	569.0	933.5	137.5°	377.5	377.0	376.4	375.9	375.4	375.4	375.4
228.9	257.8	300.0	526.7	969.0	140°	399.0	398.7	398.4	398.1	397.9	397.7	397.4
206.7	224.4	251.1	464.5	993.5	142.5°	421.5	420.9	420.4	419.9	419.4	419.4	419.4
175.5	188.9	213.4	426.8	1009.0	145°	444.0	443.4	442.9	442.4	441.9	441.7	441.4
155.6	171.1	195.6	402.3	1006.9	147.5°	464.4	464.2	463.9	463.6	463.4	463.2	462.9
144.4	160.0	188.9	393.4	1006.9	150°	481.8	481.6	481.3	481.0	480.8	480.6	480.3
144.4	160.0	184.4	384.5	1013.5	152.5°	498.2	498.0	497.7	497.4	497.2	496.9	496.6
142.3	151.1	171.1	380.0	1024.6	155°	515.6	515.4	515.1	514.7	514.5	514.5	514.5
135.5	142.3	162.2	380.0	1046.9	157.5°	530.9	530.9	530.9	530.9	530.9	530.9	530.9
126.6	135.5	155.6	386.8	1089.0	160°	544.2	544.2	544.2	544.2	544.2	544.2	544.2
120.0	128.9	153.3	386.8	1175.8	162.5°	554.4	554.2	553.9	553.6	553.4	553.4	553.4
113.3	126.6	151.1	382.3	1300.3	165°	565.7	565.5	565.2	564.9	564.7	564.7	564.7
111.1	122.2	146.7	377.9	1453.6	167.5°	572.9	572.9	572.9	572.9	572.9	573.1	573.4
108.9	117.8	135.5	366.7	1575.9	170°	578.0	578.2	578.5	578.8	579.0	579.2	579.5
104.4	111.1	124.5	346.7	1658.1	172.5°	582.1	581.9	581.5	581.2	581.0	581.2	581.5
97.8	104.4	113.3	324.5	1675.8	175°	586.2	585.9	585.6	585.3	585.1	585.1	585.1
93.4	100.0	113.3	306.7	1567.0	177.5°	590.2	590.2	590.2	590.2	590.2	590.4	590.8
86.6	97.8	115.6	291.1	1329.1	180°	589.2	589.2	589.2	589.2	589.2	589.2	589.2
82.2	97.8	117.8	284.5	1055.8								
77.7	95.5	120.0	273.3	795.7								
71.1	86.6	104.4	226.7	537.9								
57.8	66.7	77.7	144.4	284.5								
37.7	40.0	44.5	88.9	157.8								
17.8	22.2	22.2	42.2	71.1								
0.0	0.0	0.0	4.4	15.5								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
6.6	5.3	4.1	3.1	2.0								
26.6	24.6	22.5	14.3	10.2								
48.6	47.3	46.0	38.9	32.7								
69.6	68.5	67.5	62.4	57.3								
91.6	90.8	90.0	85.9	81.8								
113.5	113.0	112.5	108.4	105.4								

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CANDELA DISTRIBUTION (continued):

322.5°	325°	335°	345°		355°	359°	360°
135.5	135.0	132.0	128.9	0°	1553.6	1553.6	1553.6
158.0	157.5	154.5	152.4	2.5°	1609.2	1635.8	1649.2
181.6	181.1	178.0	175.9	5°	1522.5	1578.0	1595.8
205.8	205.6	202.5	200.5	7.5°	1391.3	1453.6	1478.1
231.4	231.2	228.1	226.1	10°	1260.2	1338.0	1362.5
257.0	256.8	253.7	252.7	12.5°	1182.4	1275.8	1289.1
280.8	280.3	278.2	276.2	15°	1151.3	1246.9	1273.6
305.0	304.8	300.7	299.7	17.5°	1182.4	1289.1	1315.8
328.6	328.4	325.3	324.3	20°	1242.5	1373.6	1415.8
352.9	352.9	348.8	346.8	22.5°	1344.7	1522.5	1575.9
375.4	375.4	372.4	371.3	25°	1511.4	1758.0	1804.8
397.1	396.9	394.9	393.8	27.5°	1689.2	1944.7	2018.1
419.4	419.4	416.3	417.4	30°	1844.8	2118.1	2178.2
441.1	440.9	437.8	437.8	32.5°	1955.9	2255.9	2324.9
462.6	462.4	458.3	457.3	35°	2087.0	2413.8	2480.5
480.0	479.8	475.7	474.6	37.5°	2238.2	2604.9	2696.0
496.3	496.1	493.1	494.1	40°	2404.9	2802.7	2905.0
514.5	514.5	512.5	513.5	42.5°	2556.0	2987.2	3100.6
530.9	530.9	527.8	528.9	45°	2673.8	3160.5	3249.4
544.2	544.2	541.1	541.1	47.5°	2809.3	3293.9	3393.9
553.4	553.4	550.3	551.4	50°	2996.1	3462.8	3580.6
564.7	564.7	560.6	561.6	52.5°	3269.5	3749.5	3834.0
573.7	573.9	570.8	571.8	55°	3600.6	4096.3	4191.8
579.8	580.0	578.0	579.0	57.5°	3905.1	4418.5	4500.8
581.9	582.1	580.0	582.1	60°	4100.7	4567.5	4636.3
585.1	585.1	582.1	583.1	62.5°	4103.0	4571.9	4658.6
591.1	591.3	587.2	588.2	65°	3940.7	4474.1	4571.9
589.2	589.2	589.2	589.2	67.5°	3529.5	4225.2	4376.3
				70°	2980.5	3736.2	3905.1
				72.5°	2324.9	2936.1	3129.4
				75°	1575.9	1949.2	2118.1
				77.5°	1002.4	1124.6	1180.2
				80°	591.2	664.5	693.5
				82.5°	366.7	395.6	424.5
				85°	148.9	106.7	115.6
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	8.2	8.2	8.2
				102.5°	28.6	28.6	28.6
				105°	55.2	55.2	55.2
				107.5°	78.8	79.6	79.8
				110°	104.3	103.5	103.3

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	126.8	126.8	126.8
115°	150.4	149.6	149.4
117.5°	173.9	173.1	172.9
120°	199.5	197.8	197.4
122.5°	225.0	224.2	224.0
125°	251.6	250.0	249.6
127.5°	275.2	273.5	273.1
130°	298.7	297.1	296.7
132.5°	321.2	320.4	320.2
135°	344.7	343.9	343.7
137.5°	368.3	367.4	367.2
140°	391.8	391.0	390.8
142.5°	415.3	413.7	413.3
145°	435.8	435.0	434.8
147.5°	454.2	454.2	454.2
150°	472.6	471.8	471.6
152.5°	491.0	490.2	490.0
155°	511.5	510.7	510.5
157.5°	526.8	525.2	524.8
160°	539.1	537.5	537.0
162.5°	548.3	547.5	547.3
165°	559.6	558.7	558.5
167.5°	568.8	567.9	567.7
170°	575.9	575.1	574.9
172.5°	579.0	578.2	578.0
175°	582.1	580.4	580.0
177.5°	586.2	585.3	585.1
180°	589.2	589.2	589.2

(END OF REPORT)