

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: STREETWORKS

Report Number: P192390

Luminaire Tested: **UTR080LEDEU55**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192390
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTR080LEDEU55
Description: TRADITIONARE LED POST TOP FIXTURE WITH TYPE 5 DISTRIBUTION,
ACRYLIC PANELS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10410.9 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 0.83' x H: 1')
IES Classification: Type V - V Long - Non-Cutoff
BUG Rating: B4 - U3 - G5

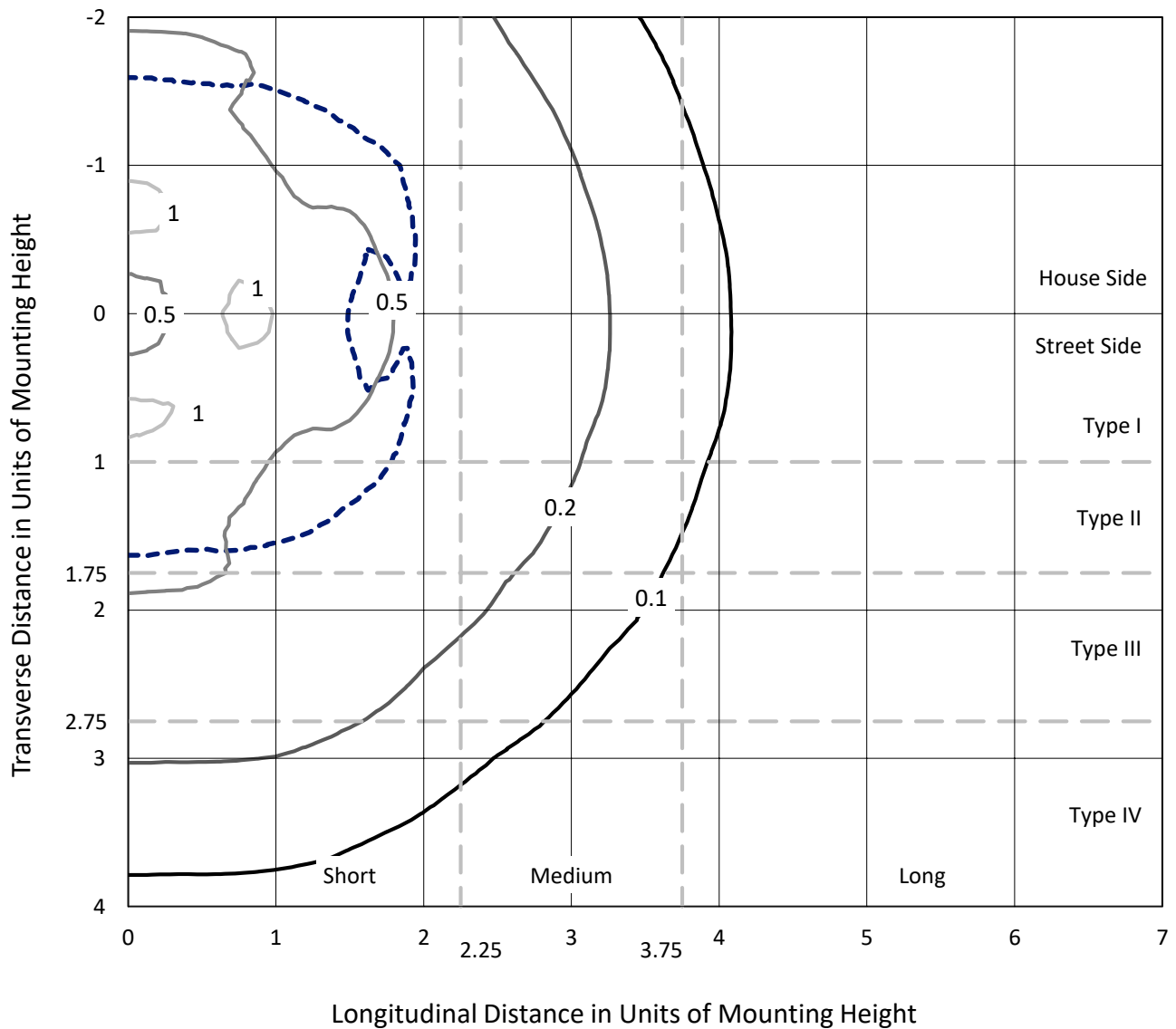
Input Watts (W): 97.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

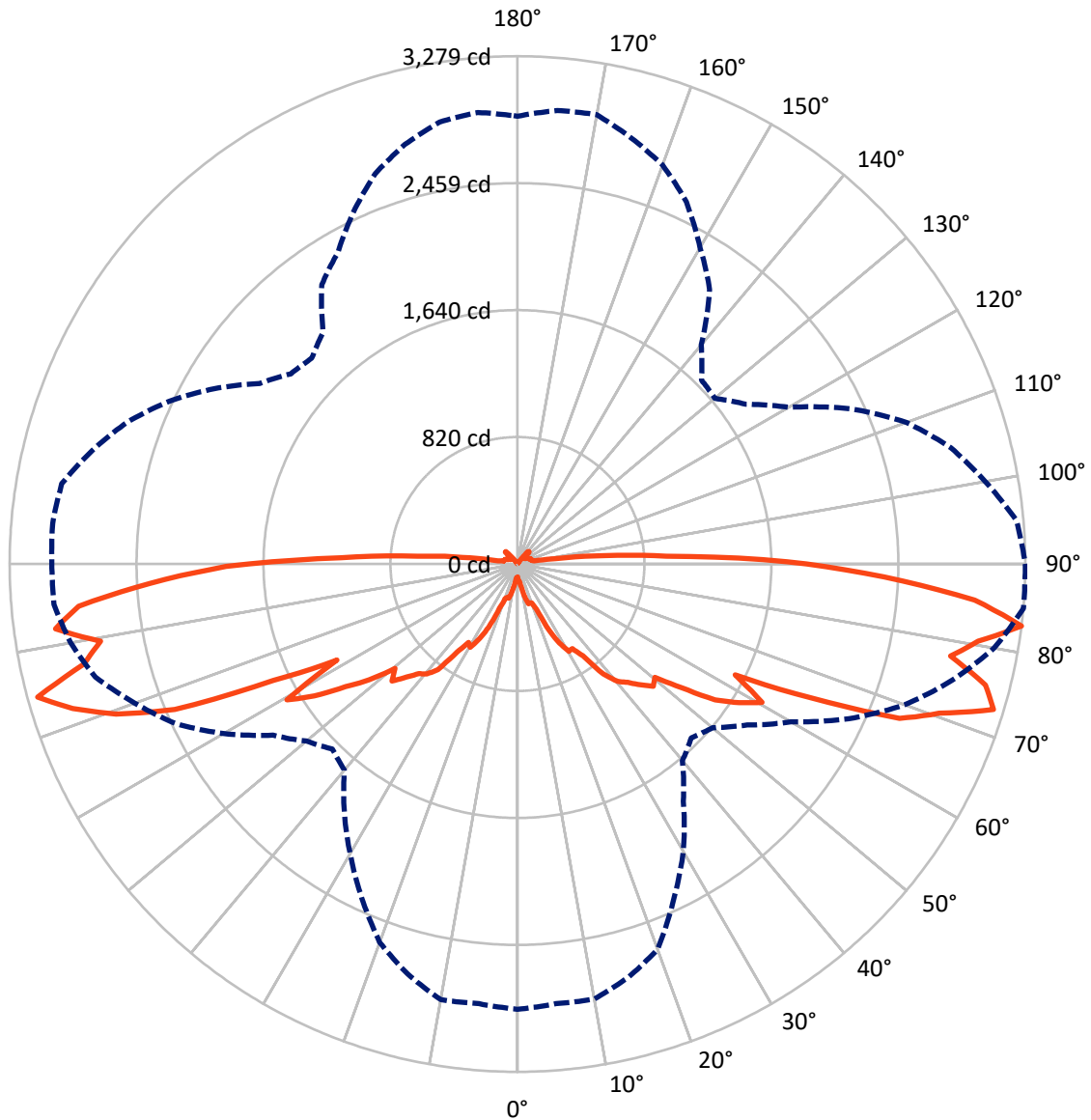
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - V Long - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 82.5-Deg Vertical

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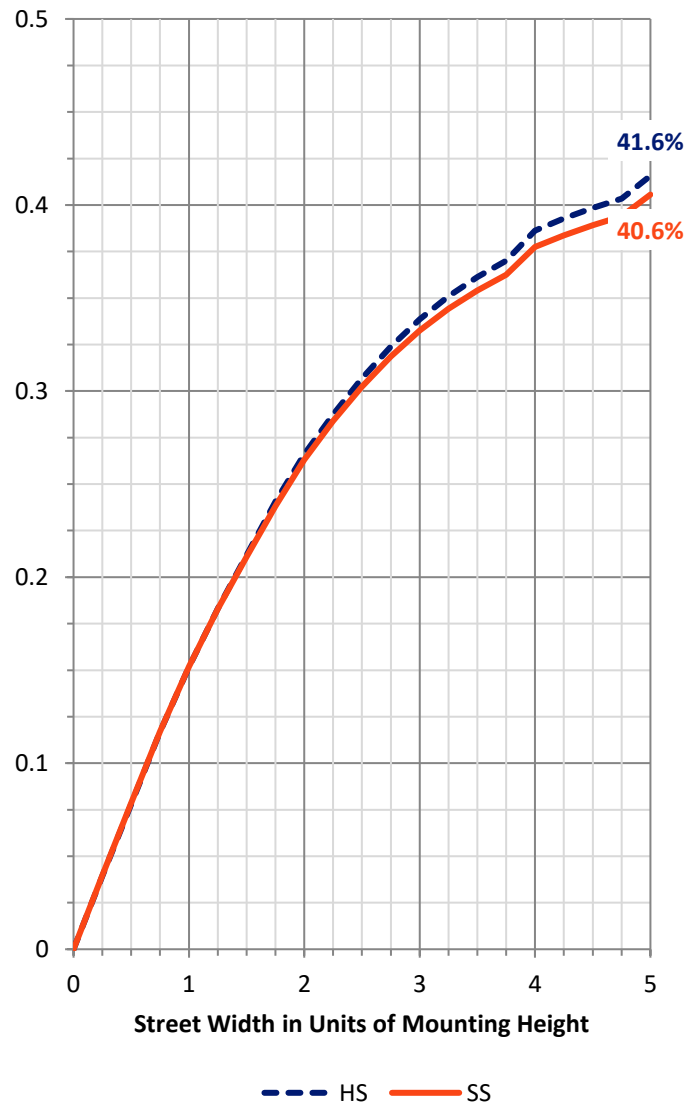
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4890.1	378.9	5269.0
	% Fixture	47.0	3.6	50.6
Street Side	Lumens	4780.4	361.6	5142.0
	% Fixture	45.9	3.5	49.4
Total	Lumens	9670.4	740.5	10410.9
	% Fixture	92.9	7.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.1
10°-20°	63.1	0.6
20°-30°	183.5	1.8
30°-40°	441.4	4.2
40°-50°	722.5	6.9
50°-60°	1097.4	10.5
60°-70°	2002.2	19.2
70°-80°	2940.8	28.2
80°-90°	2208.8	21.2
90°-100°	490.0	4.7
100°-110°	96.9	0.9
110°-120°	64.6	0.6
120°-130°	39.0	0.4
130°-140°	40.4	0.4
140°-150°	9.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9670.4	92.9
0°-180°	10410.9	100.0



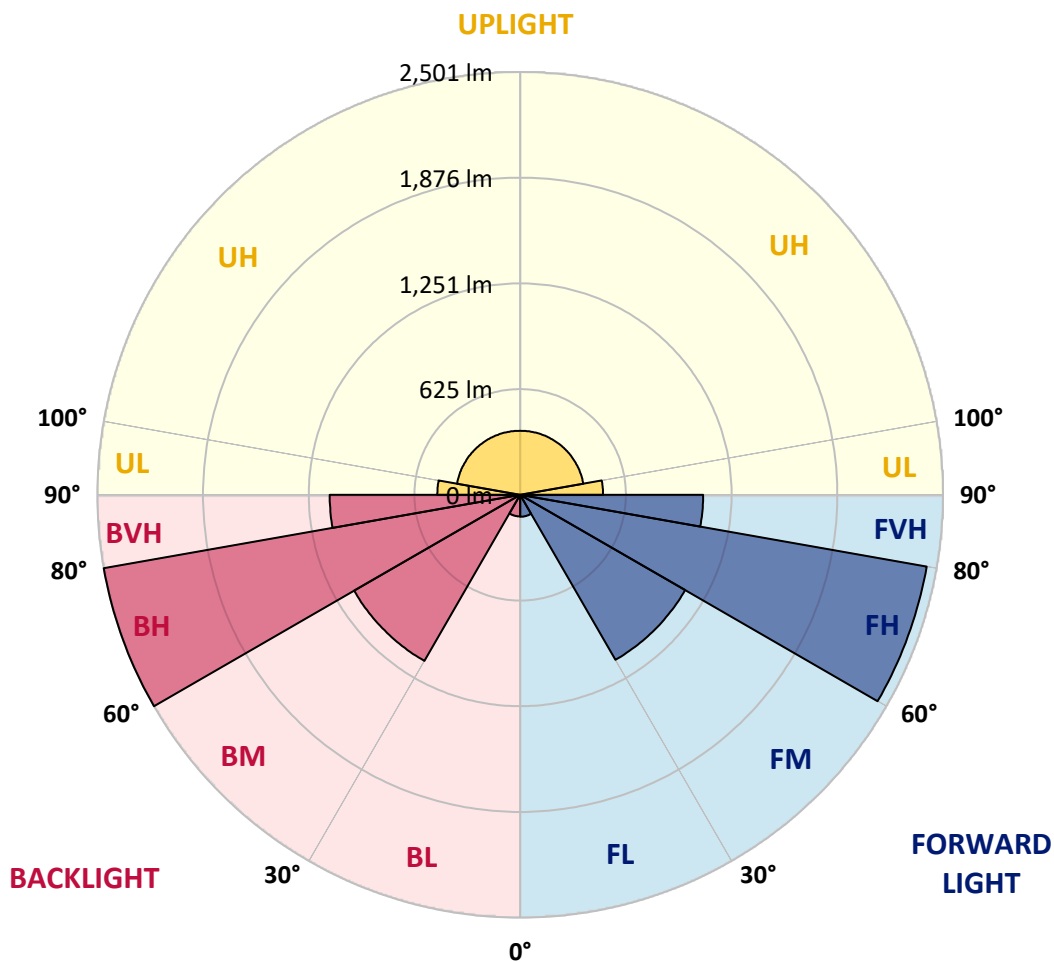
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.6	1.2			
FM (30°-60°)	1126.8	10.8			
FH (60°-80°)	2441.8	23.5			G2/5000
FVH (80°-90°)	1082.1	10.4			G5
BL (0°-30°)	127.7	1.2	B1/500		
BM (30°-60°)	1134.4	10.9	B2/2500		
BH (60°-80°)	2501.2	24.0	B4/5000		G2/5000
BVH (80°-90°)	1126.7	10.8			G5
UL (90°-100°)	490.0	4.7		U3/500	
UH (100°-180°)	378.9	3.6		U3/500	

BUG Rating: B4-U3-G5

Type V V Long





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	121.8	118.6	115.4	109.0	99.4	93.0	86.5	83.3	83.3	80.1	80.1
5°	137.8	137.8	134.6	128.2	125.0	121.8	115.4	109.0	102.6	96.2	96.2
7.5°	153.9	150.6	150.6	147.4	144.2	141.0	137.8	131.4	128.2	125.0	118.6
10°	144.2	144.2	141.0	141.0	137.8	134.6	134.6	134.6	134.6	137.8	144.2
12.5°	147.4	144.2	144.2	141.0	137.8	137.8	141.0	141.0	147.4	153.9	160.3
15°	230.8	224.4	224.4	218.0	214.8	205.1	198.7	195.5	189.1	185.9	192.3
17.5°	304.5	301.3	301.3	298.1	294.9	288.5	282.1	275.7	266.0	256.4	256.4
20°	355.8	355.8	355.8	355.8	346.2	339.8	333.3	320.5	307.7	294.9	282.1
22.5°	323.7	330.1	333.3	336.6	339.8	339.8	339.8	336.6	333.3	323.7	310.9
25°	368.6	365.4	352.6	343.0	336.6	320.5	314.1	314.1	320.5	326.9	346.2
27.5°	500.0	493.6	480.8	461.6	432.7	403.9	384.6	365.4	368.6	387.8	407.1
30°	660.3	650.7	634.6	612.2	576.9	541.7	509.6	480.8	461.6	451.9	461.6
32.5°	762.9	750.0	730.8	714.8	689.1	660.3	628.2	599.4	564.1	548.1	538.5
35°	801.3	794.9	782.1	772.5	759.6	737.2	711.6	692.3	666.7	641.1	615.4
37.5°	849.4	839.8	823.8	814.1	798.1	778.9	766.1	746.8	718.0	695.5	673.1
40°	891.1	884.7	875.0	871.8	859.0	843.0	827.0	788.5	759.6	753.2	743.6
42.5°	929.5	926.3	916.7	916.7	903.9	887.9	871.8	827.0	807.7	794.9	791.7
45°	990.4	990.4	980.8	977.6	952.0	939.1	916.7	868.6	852.6	830.2	823.8
47.5°	1028.9	1025.7	1019.3	1016.1	1003.2	993.6	974.4	923.1	887.9	865.4	859.0
50°	1093.0	1093.0	1099.4	1093.0	1073.8	1054.5	1012.9	964.8	923.1	903.9	894.3
52.5°	1214.8	1205.2	1205.2	1173.1	1134.7	1102.6	1067.4	1019.3	974.4	952.0	939.1
55°	1195.6	1179.5	1185.9	1169.9	1169.9	1166.7	1141.1	1083.4	1022.5	996.8	1000.0
57.5°	1378.3	1362.2	1381.5	1371.9	1346.2	1278.9	1208.4	1141.1	1093.0	1089.8	1105.8
60°	1977.7	1939.2	1916.8	1827.0	1666.7	1516.1	1407.1	1320.6	1237.2	1240.4	1291.7
62.5°	1948.8	1929.6	1974.4	2012.9	2000.1	1961.6	1865.5	1714.8	1583.4	1535.3	1500.1
65°	1641.1	1660.3	1766.1	1929.6	2070.6	2144.3	2170.0	2166.8	2121.9	2003.3	1859.1
67.5°	2105.9	2099.5	2131.5	2189.2	2243.7	2314.2	2429.6	2509.7	2545.0	2471.3	2359.1
70°	2551.4	2554.6	2609.1	2698.8	2785.4	2839.9	2904.0	2836.7	2756.5	2762.9	2782.2
72.5°	2618.7	2631.5	2714.9	2820.6	2923.2	2936.0	2961.7	2920.0	2814.2	2833.5	2887.9
75°	2407.2	2420.0	2506.5	2599.5	2673.2	2660.4	2682.8	2637.9	2628.3	2721.3	2746.9
77.5°	2311.0	2336.6	2423.2	2503.3	2567.4	2522.5	2522.5	2471.3	2445.6	2561.0	2605.9
80°	2519.3	2532.2	2602.7	2599.5	2596.3	2468.1	2343.1	2243.7	2105.9	2157.1	2240.5
82.5°	2875.1	2849.5	2852.7	2762.9	2647.6	2387.9	2141.1	1868.7	1657.1	1586.6	1644.3
85°	3057.8	2980.9	2891.2	2686.0	2436.0	2067.4	1711.6	1339.8	1157.1	1044.9	1089.8
87.5°	2670.0	2561.0	2429.6	2160.4	1846.2	1490.5	1134.7	849.4	679.5	609.0	676.3
90°	1724.4	1673.2	1570.6	1349.4	1131.5	875.0	676.3	509.6	394.2	349.4	403.9
92.5°	1028.9	1003.2	926.3	788.5	634.6	496.8	371.8	282.1	227.6	218.0	256.4
95°	429.5	416.7	391.0	336.6	291.7	237.2	195.5	169.9	163.5	157.1	163.5
97.5°	137.8	134.6	134.6	137.8	137.8	137.8	134.6	131.4	128.2	125.0	125.0
100°	102.6	99.4	102.6	102.6	105.8	109.0	112.2	112.2	112.2	105.8	105.8
102.5°	89.7	89.7	89.7	89.7	93.0	96.2	99.4	99.4	99.4	96.2	96.2
105°	83.3	80.1	80.1	83.3	83.3	86.5	89.7	89.7	86.5	83.3	86.5
107.5°	80.1	76.9	73.7	76.9	76.9	76.9	80.1	80.1	76.9	76.9	76.9
110°	80.1	76.9	76.9	76.9	76.9	73.7	76.9	76.9	70.5	70.5	73.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	76.9	73.7	70.5	70.5	67.3	67.3	67.3	67.3	64.1	64.1	64.1
115°	67.3	64.1	60.9	60.9	57.7	57.7	60.9	60.9	54.5	54.5	57.7
117.5°	64.1	60.9	57.7	54.5	51.3	51.3	54.5	54.5	48.1	48.1	51.3
120°	60.9	57.7	54.5	51.3	48.1	48.1	51.3	48.1	44.9	44.9	44.9
122.5°	57.7	54.5	51.3	48.1	44.9	44.9	44.9	41.7	41.7	41.7	41.7
125°	54.5	51.3	48.1	41.7	38.5	35.3	35.3	35.3	35.3	35.3	35.3
127.5°	51.3	48.1	44.9	38.5	35.3	32.1	28.8	28.8	32.1	32.1	32.1
130°	48.1	48.1	44.9	38.5	35.3	28.8	25.6	25.6	25.6	28.8	28.8
132.5°	54.5	54.5	51.3	44.9	38.5	32.1	25.6	25.6	25.6	25.6	25.6
135°	105.8	102.6	96.2	86.5	73.7	64.1	51.3	35.3	16.0	12.8	19.2
137.5°	99.4	96.2	86.5	80.1	67.3	54.5	38.5	22.4	9.6	3.2	9.6
140°	86.5	83.3	76.9	70.5	57.7	44.9	28.8	12.8	0.0	0.0	0.0
142.5°	48.1	44.9	41.7	35.3	25.6	16.0	3.2	0.0	0.0	0.0	0.0
145°	25.6	22.4	19.2	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	12.8	9.6	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	83.3	86.5	89.7	93.0	93.0	99.4	105.8	105.8	105.8	102.6	99.4
5°	96.2	96.2	99.4	102.6	105.8	109.0	112.2	115.4	112.2	112.2	109.0
7.5°	115.4	115.4	115.4	118.6	121.8	125.0	128.2	131.4	131.4	128.2	121.8
10°	147.4	153.9	153.9	157.1	160.3	163.5	166.7	166.7	166.7	160.3	153.9
12.5°	169.9	182.7	195.5	208.3	218.0	227.6	227.6	224.4	221.2	211.5	201.9
15°	201.9	214.8	224.4	237.2	250.0	259.6	266.0	262.8	259.6	250.0	240.4
17.5°	250.0	243.6	243.6	246.8	256.4	262.8	262.8	262.8	262.8	259.6	256.4
20°	272.4	266.0	262.8	266.0	262.8	266.0	269.2	272.4	275.7	275.7	275.7
22.5°	301.3	294.9	294.9	298.1	298.1	307.7	317.3	317.3	317.3	310.9	301.3
25°	359.0	375.0	397.5	423.1	442.3	461.6	474.4	474.4	468.0	461.6	445.5
27.5°	419.9	442.3	474.4	516.0	538.5	560.9	576.9	573.7	567.3	554.5	532.1
30°	474.4	493.6	535.3	583.4	615.4	641.1	653.9	653.9	647.5	631.4	605.8
32.5°	541.7	554.5	570.5	599.4	625.0	637.8	650.7	647.5	637.8	621.8	599.4
35°	596.2	586.6	593.0	621.8	673.1	702.0	727.6	724.4	714.8	695.5	657.1
37.5°	669.9	685.9	721.2	766.1	830.2	875.0	900.7	900.7	891.1	868.6	817.3
40°	762.9	782.1	817.3	862.2	916.7	968.0	996.8	990.4	980.8	955.2	900.7
42.5°	801.3	827.0	859.0	907.1	961.6	1012.9	1044.9	1038.5	1025.7	996.8	945.6
45°	839.8	871.8	907.1	961.6	1009.7	1073.8	1112.2	1112.2	1086.6	1057.7	993.6
47.5°	865.4	897.5	945.6	1012.9	1070.6	1137.9	1179.5	1182.7	1160.3	1115.4	1054.5
50°	907.1	955.2	1022.5	1060.9	1077.0	1118.6	1150.7	1153.9	1125.0	1089.8	1064.1
52.5°	952.0	1003.2	1080.2	1163.5	1230.8	1298.1	1323.8	1323.8	1304.5	1262.9	1195.6
55°	1035.3	1102.6	1179.5	1256.5	1359.0	1464.8	1548.1	1554.6	1512.9	1413.5	1311.0
57.5°	1157.1	1282.1	1426.3	1509.7	1570.6	1637.9	1689.2	1682.8	1650.7	1583.4	1535.3
60°	1352.6	1436.0	1512.9	1580.2	1666.7	1769.3	1814.2	1804.6	1782.1	1714.8	1631.5
62.5°	1493.7	1512.9	1496.9	1471.2	1461.6	1522.5	1577.0	1573.8	1548.1	1480.8	1436.0
65°	1721.2	1673.2	1711.6	1801.4	1875.1	1987.3	2080.2	2086.6	2035.3	1939.2	1839.8
67.5°	2243.7	2230.9	2272.5	2381.5	2464.9	2599.5	2660.4	2641.1	2602.7	2557.8	2474.5
70°	2734.1	2779.0	2814.2	2833.5	2827.0	2891.2	2887.9	2862.3	2852.7	2836.7	2811.0
72.5°	2852.7	2987.3	3022.6	3073.9	3089.9	3208.5	3214.9	3189.2	3170.0	3112.3	3048.2
75°	2769.4	2936.0	2952.1	2980.9	2980.9	3102.7	3121.9	3089.9	3070.6	2987.3	2916.8
77.5°	2637.9	2737.3	2695.6	2730.9	2753.3	2846.3	2859.1	2827.0	2814.2	2762.9	2714.9
80°	2327.0	2448.8	2586.7	2743.7	2868.7	2971.3	3016.2	2987.3	2977.7	2916.8	2849.5
82.5°	1811.0	2038.6	2362.3	2660.4	2904.0	3125.1	3279.0	3279.0	3234.1	3067.4	2897.6
85°	1278.9	1561.0	1875.1	2208.4	2487.3	2756.5	2961.7	2984.1	2887.9	2698.8	2496.9
87.5°	862.2	1121.8	1381.5	1657.1	1926.4	2176.4	2368.7	2426.4	2311.0	2137.9	1939.2
90°	538.5	705.2	907.1	1141.1	1349.4	1589.8	1740.5	1807.8	1705.2	1554.6	1355.8
92.5°	326.9	423.1	532.1	663.5	766.1	894.3	961.6	1000.0	952.0	875.0	759.6
95°	195.5	250.0	317.3	394.2	455.1	532.1	570.5	599.4	567.3	516.0	435.9
97.5°	131.4	141.0	163.5	189.1	208.3	230.8	246.8	250.0	240.4	224.4	205.1
100°	109.0	109.0	115.4	112.2	112.2	112.2	112.2	112.2	109.0	109.0	109.0
102.5°	96.2	99.4	102.6	99.4	99.4	99.4	99.4	102.6	99.4	99.4	96.2
105°	86.5	89.7	96.2	93.0	93.0	93.0	96.2	96.2	96.2	93.0	93.0
107.5°	80.1	83.3	86.5	86.5	86.5	89.7	89.7	89.7	89.7	86.5	86.5
110°	73.7	76.9	80.1	83.3	83.3	86.5	86.5	89.7	89.7	86.5	83.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	67.3	70.5	73.7	80.1	80.1	83.3	89.7	89.7	89.7	83.3	80.1
115°	57.7	60.9	67.3	70.5	70.5	76.9	80.1	83.3	80.1	76.9	73.7
117.5°	51.3	54.5	57.7	64.1	67.3	70.5	76.9	80.1	76.9	73.7	67.3
120°	44.9	48.1	51.3	57.7	60.9	64.1	70.5	70.5	70.5	64.1	60.9
122.5°	41.7	44.9	48.1	54.5	57.7	64.1	67.3	67.3	67.3	64.1	57.7
125°	38.5	38.5	41.7	48.1	51.3	57.7	60.9	64.1	60.9	57.7	51.3
127.5°	32.1	35.3	38.5	41.7	48.1	54.5	60.9	60.9	57.7	54.5	48.1
130°	28.8	32.1	35.3	41.7	48.1	54.5	57.7	60.9	57.7	54.5	48.1
132.5°	28.8	32.1	38.5	44.9	54.5	60.9	64.1	64.1	60.9	57.7	51.3
135°	38.5	54.5	70.5	83.3	93.0	105.8	109.0	112.2	109.0	102.6	93.0
137.5°	25.6	44.9	60.9	76.9	89.7	102.6	109.0	112.2	109.0	102.6	89.7
140°	12.8	32.1	51.3	64.1	76.9	89.7	96.2	99.4	96.2	89.7	76.9
142.5°	0.0	6.4	16.0	28.8	38.5	48.1	51.3	54.5	54.5	48.1	38.5
145°	0.0	0.0	0.0	9.6	16.0	22.4	25.6	28.8	28.8	22.4	19.2
147.5°	0.0	0.0	0.0	0.0	6.4	9.6	12.8	16.0	16.0	12.8	6.4
150°	0.0	0.0	0.0	0.0	0.0	3.2	6.4	9.6	9.6	6.4	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2.5°	96.2	93.0	89.7	83.3	76.9	73.7	73.7	73.7	73.7	80.1	86.5
5°	109.0	105.8	102.6	102.6	96.2	93.0	93.0	93.0	96.2	99.4	102.6
7.5°	118.6	115.4	109.0	105.8	105.8	102.6	102.6	99.4	102.6	105.8	105.8
10°	144.2	137.8	131.4	118.6	109.0	102.6	102.6	102.6	105.8	105.8	109.0
12.5°	189.1	173.1	157.1	144.2	137.8	134.6	128.2	128.2	134.6	137.8	144.2
15°	224.4	214.8	205.1	198.7	198.7	198.7	208.3	214.8	214.8	221.2	227.6
17.5°	256.4	253.2	253.2	256.4	262.8	266.0	262.8	272.4	278.9	285.3	291.7
20°	275.7	269.2	266.0	275.7	282.1	285.3	294.9	307.7	317.3	314.1	314.1
22.5°	294.9	291.7	288.5	288.5	285.3	285.3	285.3	282.1	282.1	285.3	288.5
25°	419.9	387.8	355.8	333.3	310.9	298.1	288.5	298.1	307.7	323.7	343.0
27.5°	500.0	458.4	426.3	407.1	394.2	375.0	365.4	381.4	403.9	435.9	474.4
30°	567.3	522.5	487.2	480.8	471.2	468.0	480.8	506.4	535.3	567.3	599.4
32.5°	576.9	560.9	548.1	551.3	567.3	573.7	586.6	618.6	644.3	676.3	711.6
35°	625.0	596.2	589.8	599.4	621.8	660.3	682.7	708.4	730.8	740.4	762.9
37.5°	772.5	721.2	689.1	679.5	689.1	711.6	737.2	753.2	769.3	778.9	801.3
40°	843.0	791.7	766.1	750.0	753.2	766.1	782.1	801.3	830.2	849.4	875.0
42.5°	891.1	855.8	807.7	794.9	788.5	810.9	827.0	852.6	881.4	910.3	929.5
45°	939.1	900.7	843.0	823.8	823.8	855.8	868.6	900.7	926.3	955.2	987.2
47.5°	990.4	932.7	881.4	859.0	871.8	900.7	903.9	948.8	971.2	996.8	1028.9
50°	1048.1	1006.5	929.5	897.5	910.3	929.5	939.1	993.6	1028.9	1057.7	1073.8
52.5°	1131.5	1048.1	964.8	939.1	958.4	980.8	990.4	1035.3	1064.1	1112.2	1163.5
55°	1230.8	1147.5	1044.9	1006.5	1003.2	1016.1	1041.7	1096.2	1109.0	1115.4	1153.9
57.5°	1500.1	1391.1	1198.8	1125.0	1093.0	1089.8	1093.0	1141.1	1218.0	1301.3	1355.8
60°	1564.2	1484.0	1368.7	1323.8	1266.1	1237.2	1285.3	1368.7	1477.6	1689.2	1916.8
62.5°	1445.6	1480.8	1458.4	1471.2	1516.1	1586.6	1711.6	1855.9	1974.4	2048.2	2064.2
65°	1743.7	1676.4	1634.7	1750.1	1952.0	2163.6	2278.9	2234.1	2189.2	2115.5	1920.0
67.5°	2391.1	2295.0	2240.5	2301.4	2471.3	2634.7	2689.2	2551.4	2448.8	2381.5	2346.3
70°	2823.8	2801.4	2759.7	2795.0	2891.2	2920.0	2987.3	3054.6	3099.5	3016.2	2945.6
72.5°	3013.0	2987.3	2936.0	2916.8	2987.3	3006.5	3115.5	3154.0	3176.4	3128.3	3064.2
75°	2897.6	2904.0	2862.3	2811.0	2862.3	2884.7	2859.1	2849.5	2871.9	2846.3	2804.6
77.5°	2679.6	2689.2	2689.2	2650.8	2670.0	2698.8	2628.3	2644.3	2647.6	2625.1	2621.9
80°	2730.9	2596.3	2407.2	2311.0	2304.6	2298.2	2349.5	2484.1	2506.5	2557.8	2628.3
82.5°	2673.2	2371.9	2022.5	1798.2	1663.5	1679.6	1846.2	2163.6	2359.1	2580.2	2740.5
85°	2250.1	1884.7	1570.6	1269.3	1067.4	1073.8	1230.8	1567.4	1929.6	2320.6	2609.1
87.5°	1692.4	1371.9	1102.6	839.8	660.3	609.0	695.5	926.3	1278.9	1660.3	2012.9
90°	1144.3	897.5	689.1	522.5	407.1	359.0	403.9	535.3	746.8	1006.5	1256.5
92.5°	650.7	509.6	413.5	317.3	253.2	214.8	230.8	304.5	426.3	580.2	743.6
95°	368.6	301.3	243.6	192.3	160.3	153.9	160.3	179.5	234.0	317.3	416.7
97.5°	185.9	157.1	134.6	121.8	121.8	121.8	125.0	128.2	134.6	147.4	163.5
100°	105.8	105.8	105.8	102.6	102.6	102.6	105.8	105.8	105.8	105.8	105.8
102.5°	96.2	96.2	96.2	93.0	93.0	96.2	96.2	96.2	96.2	96.2	93.0
105°	93.0	89.7	89.7	86.5	86.5	89.7	89.7	93.0	93.0	93.0	89.7
107.5°	86.5	83.3	83.3	83.3	80.1	80.1	83.3	86.5	86.5	86.5	89.7
110°	83.3	80.1	76.9	76.9	73.7	73.7	73.7	76.9	80.1	80.1	80.1



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	80.1	73.7	70.5	67.3	64.1	64.1	64.1	67.3	67.3	67.3	67.3	0°
115°	70.5	67.3	64.1	60.9	57.7	54.5	54.5	57.7	57.7	57.7	57.7	2.5°
117.5°	64.1	60.9	54.5	51.3	51.3	48.1	48.1	51.3	51.3	51.3	51.3	5°
120°	57.7	51.3	51.3	48.1	44.9	44.9	44.9	44.9	48.1	48.1	48.1	7.5°
122.5°	54.5	48.1	44.9	41.7	41.7	38.5	38.5	41.7	44.9	41.7	44.9	10°
125°	48.1	41.7	38.5	38.5	35.3	32.1	32.1	32.1	32.1	35.3	38.5	12.5°
127.5°	44.9	38.5	35.3	32.1	32.1	28.8	28.8	25.6	25.6	28.8	32.1	15°
130°	41.7	35.3	32.1	28.8	25.6	25.6	22.4	22.4	22.4	25.6	32.1	17.5°
132.5°	44.9	38.5	32.1	28.8	25.6	22.4	22.4	19.2	22.4	28.8	35.3	20°
135°	80.1	67.3	54.5	38.5	19.2	12.8	22.4	38.5	51.3	64.1	76.9	22.5°
137.5°	76.9	60.9	41.7	22.4	9.6	3.2	12.8	25.6	38.5	54.5	70.5	25°
140°	64.1	51.3	32.1	12.8	0.0	0.0	3.2	12.8	25.6	38.5	51.3	27.5°
142.5°	28.8	19.2	6.4	0.0	0.0	0.0	0.0	0.0	3.2	12.8	22.4	30°
145°	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	32.5°
147.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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:

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°	165°	165°
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	112.5°	70.5
93.0	96.2	99.4	99.4	99.4	96.2	93.0	86.5	80.1	73.7	67.3	115°	60.9
105.8	105.8	105.8	109.0	105.8	102.6	99.4	96.2	93.0	86.5	83.3	117.5°	54.5
109.0	112.2	112.2	112.2	105.8	102.6	102.6	99.4	93.0	89.7	86.5	120°	51.3
112.2	115.4	115.4	115.4	112.2	109.0	105.8	102.6	99.4	99.4	99.4	122.5°	48.1
153.9	160.3	163.5	163.5	163.5	160.3	160.3	153.9	144.2	137.8	131.4	125°	41.7
237.2	237.2	237.2	240.4	237.2	240.4	240.4	234.0	230.8	221.2	214.8	127.5°	38.5
294.9	301.3	298.1	301.3	298.1	301.3	298.1	298.1	291.7	278.9	272.4	130°	35.3
317.3	320.5	317.3	317.3	320.5	323.7	320.5	323.7	320.5	307.7	291.7	132.5°	41.7
294.9	298.1	304.5	307.7	304.5	298.1	291.7	282.1	272.4	266.0	262.8	135°	86.5
362.2	381.4	394.2	400.7	391.0	378.2	359.0	336.6	314.1	294.9	278.9	137.5°	83.3
506.4	538.5	554.5	564.1	557.7	541.7	512.8	474.4	432.7	394.2	375.0	140°	60.9
637.8	669.9	685.9	702.0	692.3	676.3	641.1	599.4	560.9	528.9	506.4	142.5°	28.8
746.8	775.7	791.7	798.1	798.1	778.9	743.6	708.4	676.3	634.6	615.4	145°	12.8
788.5	804.5	817.3	823.8	827.0	810.9	785.3	759.6	737.2	714.8	695.5	147.5°	6.4
836.6	865.4	875.0	881.4	881.4	859.0	830.2	798.1	769.3	756.4	743.6	150°	0.0
910.3	932.7	939.1	942.3	945.6	919.9	900.7	868.6	839.8	807.7	782.1	152.5°	0.0
955.2	968.0	971.2	968.0	977.6	952.0	939.1	923.1	907.1	871.8	830.2	155°	0.0
1019.3	1032.1	1032.1	1028.9	1032.1	1012.9	1000.0	971.2	942.3	907.1	871.8	157.5°	0.0
1067.4	1093.0	1096.2	1099.4	1099.4	1070.6	1051.3	1019.3	990.4	948.8	913.5	160°	0.0
1089.8	1080.2	1070.6	1070.6	1070.6	1060.9	1067.4	1067.4	1051.3	1006.5	961.6	162.5°	0.0
1192.4	1179.5	1160.3	1153.9	1157.1	1169.9	1176.3	1160.3	1099.4	1035.3	1006.5	165°	0.0
1237.2	1291.7	1323.8	1339.8	1327.0	1278.9	1214.8	1147.5	1112.2	1096.2	1064.1	167.5°	0.0
1410.3	1448.8	1468.0	1484.0	1468.0	1432.8	1387.9	1352.6	1288.5	1205.2	1105.8	170°	0.0
2048.2	2061.0	2022.5	2019.3	2025.7	2045.0	2016.1	1891.1	1621.9	1432.8	1317.4	172.5°	0.0
2083.4	2061.0	2035.3	2032.1	2038.6	2054.6	2057.8	2067.4	1980.9	1910.3	1753.3	175°	0.0
1772.5	1679.6	1628.3	1612.3	1625.1	1660.3	1743.7	1939.2	2064.2	2141.1	2150.7	177.5°	0.0
2346.3	2346.3	2330.2	2301.4	2311.0	2314.2	2288.6	2291.8	2291.8	2387.9	2496.9	180°	0.0
2907.2	2843.1	2779.0	2740.5	2772.6	2820.6	2862.3	2952.1	2964.9	3016.2	2958.5		
2993.7	2923.2	2846.3	2804.6	2859.1	2923.2	2993.7	3144.4	3141.2	3211.7	3182.8		
2740.5	2679.6	2605.9	2557.8	2637.9	2708.5	2785.4	2961.7	2932.8	2990.5	2990.5		
2554.6	2503.3	2423.2	2355.9	2445.6	2516.1	2589.9	2724.5	2724.5	2753.3	2737.3		
2634.7	2641.1	2583.4	2519.3	2586.7	2605.9	2615.5	2631.5	2564.2	2529.0	2500.1		
2846.3	2945.6	2939.2	2891.2	2926.4	2897.6	2804.6	2682.8	2506.5	2320.6	2202.0		
2849.5	3070.6	3170.0	3182.8	3176.4	3048.2	2820.6	2583.4	2278.9	1974.4	1673.2		
2333.4	2612.3	2788.6	2859.1	2814.2	2621.9	2339.8	2038.6	1689.2	1349.4	1009.7		
1509.7	1724.4	1881.5	1964.8	1923.2	1762.9	1541.7	1317.4	1054.5	804.5	573.7		
910.3	1044.9	1131.5	1192.4	1160.3	1070.6	923.1	782.1	615.4	464.8	320.5		
528.9	631.4	689.1	711.6	695.5	647.5	544.9	439.1	336.6	250.0	185.9		
182.7	198.7	214.8	224.4	224.4	221.2	201.9	182.7	160.3	141.0	131.4		
105.8	105.8	105.8	109.0	109.0	112.2	112.2	112.2	112.2	109.0	105.8		
93.0	89.7	89.7	93.0	93.0	93.0	96.2	96.2	96.2	96.2	96.2		
89.7	86.5	89.7	89.7	89.7	89.7	89.7	93.0	96.2	93.0	93.0		
89.7	89.7	89.7	93.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7		
80.1	83.3	83.3	86.5	86.5	83.3	83.3	83.3	83.3	83.3	80.1		



'192390
 UTR080LEDEU55

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TION (continued):

CANDELA DISTRIBUTION (con

170°	175°	180°	185°	190°	195°	200°	205°	210°	215°		220°	225°
73.7	76.9	80.1	80.1	76.9	73.7	73.7	70.5	70.5	67.3	0°	83.3	83.3
64.1	67.3	70.5	67.3	64.1	64.1	60.9	60.9	60.9	57.7	2.5°	67.3	64.1
60.9	64.1	64.1	64.1	60.9	57.7	54.5	54.5	54.5	51.3	5°	76.9	70.5
54.5	57.7	60.9	60.9	57.7	54.5	51.3	51.3	51.3	44.9	7.5°	86.5	83.3
54.5	57.7	57.7	57.7	54.5	51.3	48.1	48.1	48.1	41.7	10°	99.4	102.6
44.9	48.1	51.3	51.3	48.1	44.9	41.7	38.5	38.5	35.3	12.5°	128.2	128.2
41.7	44.9	48.1	44.9	44.9	41.7	35.3	32.1	28.8	28.8	15°	208.3	198.7
41.7	44.9	48.1	44.9	41.7	38.5	35.3	28.8	25.6	25.6	17.5°	262.8	253.2
44.9	51.3	51.3	51.3	48.1	44.9	38.5	35.3	28.8	25.6	20°	278.9	269.2
96.2	99.4	102.6	99.4	93.0	83.3	73.7	64.1	51.3	41.7	22.5°	266.0	272.4
93.0	99.4	102.6	99.4	96.2	83.3	70.5	57.7	38.5	22.4	25°	275.7	288.5
70.5	76.9	80.1	76.9	73.7	67.3	54.5	44.9	28.8	16.0	27.5°	371.8	368.6
35.3	38.5	41.7	41.7	38.5	32.1	25.6	16.0	6.4	0.0	30°	484.0	461.6
19.2	22.4	22.4	22.4	19.2	16.0	9.6	3.2	0.0	0.0	32.5°	589.8	567.3
9.6	12.8	12.8	12.8	9.6	6.4	3.2	0.0	0.0	0.0	35°	676.3	650.7
6.4	6.4	9.6	6.4	6.4	3.2	0.0	0.0	0.0	0.0	37.5°	718.0	698.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	746.8	753.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	791.7	788.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	843.0	830.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	878.2	868.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	916.7	900.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	955.2	932.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	1003.2	961.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1048.1	1032.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	1221.2	1163.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1602.6	1519.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	2144.3	1987.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2541.8	2397.5
										70°	2817.4	2762.9
										72.5°	3045.0	2932.8
										75°	2878.3	2833.5
										77.5°	2644.3	2650.8
										80°	2407.2	2416.8
										82.5°	1952.0	1878.3
										85°	1362.2	1253.3
										87.5°	775.7	705.2
										90°	419.9	387.8
										92.5°	240.4	224.4
										95°	160.3	153.9
										97.5°	121.8	118.6
										100°	102.6	99.4
										102.5°	93.0	89.7
										105°	89.7	89.7
										107.5°	86.5	83.3
										110°	76.9	76.9



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DEU55

tinued):										CANDELA DISTRIBUTION (continued):		
230°	235°	240°	245°	250°	255°	260°	265°	270°		220°	225°	230°
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	112.5°	64.1	64.1	64.1
64.1	67.3	70.5	73.7	76.9	80.1	83.3	89.7	93.0	115°	54.5	51.3	54.5
70.5	70.5	73.7	80.1	83.3	86.5	86.5	89.7	93.0	117.5°	48.1	48.1	44.9
80.1	83.3	89.7	96.2	102.6	109.0	115.4	118.6	125.0	120°	44.9	41.7	41.7
105.8	115.4	118.6	128.2	134.6	144.2	150.6	153.9	160.3	122.5°	38.5	38.5	38.5
134.6	141.0	147.4	160.3	173.1	185.9	195.5	198.7	205.1	125°	35.3	32.1	32.1
189.1	182.7	182.7	195.5	208.3	218.0	224.4	227.6	227.6	127.5°	28.8	28.8	25.6
240.4	227.6	218.0	214.8	218.0	218.0	224.4	224.4	227.6	130°	22.4	22.4	22.4
262.8	259.6	253.2	246.8	243.6	240.4	240.4	237.2	234.0	132.5°	22.4	22.4	22.4
278.9	278.9	278.9	282.1	288.5	298.1	307.7	307.7	304.5	135°	25.6	12.8	22.4
310.9	343.0	368.6	397.5	416.7	432.7	448.7	448.7	448.7	137.5°	12.8	6.4	12.8
381.4	397.5	423.1	455.1	487.2	512.8	528.9	538.5	541.7	140°	3.2	0.0	0.0
451.9	461.6	487.2	522.5	557.7	580.2	605.8	618.6	618.6	142.5°	0.0	0.0	0.0
551.3	538.5	535.3	548.1	560.9	567.3	583.4	596.2	602.6	145°	0.0	0.0	0.0
612.2	586.6	576.9	586.6	612.2	634.6	660.3	689.1	702.0	147.5°	0.0	0.0	0.0
682.7	663.5	676.3	705.2	750.0	791.7	820.5	852.6	855.8	150°	0.0	0.0	0.0
746.8	734.0	743.6	772.5	827.0	865.4	894.3	919.9	932.7	152.5°	0.0	0.0	0.0
778.9	772.5	785.3	820.5	859.0	891.1	913.5	952.0	971.2	155°	0.0	0.0	0.0
810.9	801.3	820.5	871.8	923.1	961.6	980.8	1022.5	1048.1	157.5°	0.0	0.0	0.0
852.6	836.6	843.0	884.7	939.1	990.4	1038.5	1109.0	1137.9	160°	0.0	0.0	0.0
881.4	862.2	891.1	948.8	980.8	984.0	996.8	1038.5	1064.1	162.5°	0.0	0.0	0.0
916.7	887.9	900.7	977.6	1089.8	1169.9	1192.4	1214.8	1218.0	165°	0.0	0.0	0.0
939.1	945.6	987.2	1064.1	1147.5	1205.2	1275.7	1362.2	1394.3	167.5°	0.0	0.0	0.0
1022.5	1035.3	1128.3	1352.6	1509.7	1503.3	1525.7	1564.2	1564.2	170°	0.0	0.0	0.0
1195.6	1282.1	1346.2	1464.8	1519.3	1554.6	1657.1	1727.6	1734.1	172.5°	0.0	0.0	0.0
1458.4	1410.3	1426.3	1496.9	1436.0	1346.2	1314.2	1320.6	1307.8	175°	0.0	0.0	0.0
1791.7	1564.2	1400.7	1471.2	1561.0	1625.1	1695.6	1746.9	1740.5	177.5°	0.0	0.0	0.0
2208.4	2016.1	1932.8	2035.3	2137.9	2237.3	2339.8	2404.0	2387.9	180°	0.0	0.0	0.0
2740.5	2612.3	2570.6	2637.9	2650.8	2679.6	2766.1	2766.1	2734.1				
2948.8	2884.7	2920.0	2993.7	2942.4	2916.8	3025.8	3019.4	3006.5				
2865.5	2839.9	2952.1	3029.0	3045.0	3070.6	3202.1	3214.9	3179.6				
2663.6	2670.0	2779.0	2766.1	2746.9	2788.6	2871.9	2871.9	2811.0				
2384.7	2413.6	2516.1	2557.8	2612.3	2686.0	2762.9	2737.3	2702.0				
1910.3	2032.1	2262.9	2484.1	2679.6	2839.9	2987.3	3013.0	3006.5				
1314.2	1528.9	1830.2	2125.1	2384.7	2583.4	2775.8	2846.3	2897.6				
791.7	1022.5	1311.0	1593.0	1871.9	2086.6	2295.0	2375.1	2458.4				
474.4	625.0	852.6	1096.2	1346.2	1580.2	1791.7	1881.5	1955.2				
269.2	346.2	474.4	618.6	775.7	942.3	1064.1	1141.1	1160.3				
169.9	208.3	269.2	339.8	426.3	525.7	599.4	647.5	634.6				
115.4	125.0	150.6	185.9	230.8	294.9	336.6	355.8	343.0				
96.2	96.2	96.2	99.4	105.8	115.4	121.8	128.2	128.2				
89.7	86.5	86.5	86.5	86.5	89.7	93.0	93.0	96.2				
86.5	86.5	86.5	86.5	86.5	89.7	89.7	89.7	93.0				
83.3	80.1	80.1	80.1	83.3	86.5	86.5	86.5	86.5				
73.7	73.7	73.7	76.9	80.1	83.3	83.3	86.5	86.5				



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CANDELA DISTRIBUTION (continued):

235°	240°	245°	250°	255°	260°	265°	270°		275°	280°	285°	290°
64.1	64.1	67.3	70.5	73.7	76.9	80.1	80.1	0°	83.3	83.3	83.3	83.3
54.5	54.5	54.5	57.7	60.9	64.1	70.5	73.7	2.5°	93.0	93.0	89.7	89.7
44.9	48.1	48.1	51.3	54.5	60.9	64.1	67.3	5°	96.2	96.2	96.2	96.2
41.7	41.7	41.7	44.9	51.3	54.5	60.9	60.9	7.5°	125.0	125.0	121.8	121.8
38.5	38.5	38.5	41.7	48.1	54.5	57.7	57.7	10°	160.3	160.3	160.3	157.1
32.1	32.1	35.3	38.5	44.9	48.1	51.3	54.5	12.5°	208.3	208.3	201.9	195.5
25.6	28.8	32.1	35.3	41.7	44.9	51.3	51.3	15°	227.6	227.6	224.4	221.2
22.4	25.6	28.8	32.1	38.5	44.9	48.1	51.3	17.5°	227.6	224.4	221.2	214.8
22.4	25.6	32.1	38.5	48.1	54.5	57.7	57.7	20°	234.0	230.8	227.6	234.0
48.1	60.9	73.7	86.5	96.2	102.6	109.0	112.2	22.5°	301.3	298.1	291.7	288.5
28.8	41.7	60.9	76.9	93.0	102.6	109.0	112.2	25°	448.7	442.3	439.1	429.5
12.8	32.1	44.9	54.5	67.3	73.7	80.1	83.3	27.5°	541.7	525.7	516.0	506.4
0.0	0.0	9.6	19.2	25.6	32.1	38.5	38.5	30°	615.4	609.0	586.6	570.5
0.0	0.0	0.0	3.2	9.6	16.0	19.2	19.2	32.5°	599.4	593.0	567.3	560.9
0.0	0.0	0.0	0.0	3.2	6.4	9.6	9.6	35°	689.1	673.1	637.8	609.0
0.0	0.0	0.0	0.0	0.0	3.2	3.2	6.4	37.5°	849.4	833.4	788.5	759.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	926.3	903.9	862.2	836.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	955.2	923.1	891.1	878.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	1025.7	996.8	968.0	945.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	1118.6	1054.5	996.8	958.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	1051.3	1012.9	996.8	996.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1218.0	1192.4	1176.3	1118.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	1371.9	1291.7	1234.0	1179.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1564.2	1519.3	1528.9	1512.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	1714.8	1644.3	1589.8	1525.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1314.2	1330.2	1387.9	1442.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	1750.1	1730.8	1708.4	1618.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2397.5	2362.3	2314.2	2186.0
								70°	2762.9	2769.4	2759.7	2679.6
								72.5°	3019.4	3019.4	3006.5	2952.1
								75°	3182.8	3166.8	3115.5	3038.6
								77.5°	2833.5	2833.5	2804.6	2746.9
								80°	2724.5	2734.1	2714.9	2628.3
								82.5°	3003.3	2929.6	2820.6	2628.3
								85°	2852.7	2714.9	2580.2	2317.4
								87.5°	2375.1	2234.1	2102.7	1814.2
								90°	1875.1	1734.1	1583.4	1320.6
								92.5°	1115.4	1032.1	945.6	804.5
								95°	634.6	580.2	548.1	496.8
								97.5°	339.8	323.7	307.7	298.1
								100°	131.4	131.4	144.2	173.1
								102.5°	96.2	102.6	125.0	134.6
								105°	93.0	99.4	128.2	112.2
								107.5°	86.5	96.2	134.6	96.2
								110°	86.5	99.4	134.6	89.7



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CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°	325°		275°	280°	285°	290°	295°
83.3	83.3	83.3	83.3	83.3	83.3	83.3	112.5°	80.1	96.2	118.6	76.9	70.5
86.5	83.3	83.3	80.1	80.1	80.1	83.3	115°	76.9	96.2	86.5	64.1	60.9
96.2	96.2	96.2	99.4	99.4	102.6	105.8	117.5°	73.7	96.2	70.5	57.7	51.3
118.6	118.6	118.6	115.4	115.4	118.6	121.8	120°	70.5	86.5	60.9	51.3	48.1
153.9	150.6	147.4	144.2	137.8	134.6	134.6	122.5°	67.3	73.7	54.5	48.1	44.9
185.9	176.3	166.7	160.3	153.9	147.4	144.2	125°	54.5	57.7	48.1	41.7	38.5
211.5	201.9	189.1	176.3	179.5	182.7	189.1	127.5°	51.3	48.1	44.9	38.5	32.1
211.5	205.1	208.3	221.2	234.0	253.2	266.0	130°	48.1	48.1	41.7	38.5	32.1
240.4	243.6	250.0	259.6	275.7	285.3	298.1	132.5°	57.7	54.5	51.3	44.9	38.5
285.3	282.1	285.3	291.7	298.1	310.9	317.3	135°	109.0	102.6	93.0	83.3	73.7
410.3	387.8	371.8	352.6	330.1	310.9	298.1	137.5°	112.2	105.8	93.0	80.1	64.1
480.8	451.9	426.3	410.3	391.0	368.6	355.8	140°	83.3	76.9	67.3	57.7	44.9
544.9	506.4	480.8	458.4	445.5	455.1	474.4	142.5°	38.5	35.3	28.8	22.4	12.8
560.9	544.9	538.5	528.9	541.7	570.5	596.2	145°	19.2	16.0	9.6	6.4	0.0
593.0	583.4	576.9	589.8	621.8	657.1	682.7	147.5°	9.6	6.4	3.2	0.0	0.0
737.2	695.5	653.9	657.1	679.5	711.6	730.8	150°	3.2	3.2	0.0	0.0	0.0
827.0	775.7	727.6	718.0	734.0	750.0	772.5	152.5°	0.0	0.0	0.0	0.0	0.0
862.2	817.3	775.7	756.4	775.7	794.9	820.5	155°	0.0	0.0	0.0	0.0	0.0
910.3	843.0	804.5	791.7	801.3	839.8	862.2	157.5°	0.0	0.0	0.0	0.0	0.0
919.9	865.4	846.2	839.8	843.0	875.0	916.7	160°	0.0	0.0	0.0	0.0	0.0
984.0	916.7	878.2	871.8	881.4	903.9	958.4	162.5°	0.0	0.0	0.0	0.0	0.0
1012.9	932.7	926.3	916.7	929.5	945.6	1006.5	165°	0.0	0.0	0.0	0.0	0.0
1099.4	1035.3	990.4	948.8	961.6	990.4	1064.1	167.5°	0.0	0.0	0.0	0.0	0.0
1371.9	1185.9	1089.8	1057.7	1035.3	1048.1	1109.0	170°	0.0	0.0	0.0	0.0	0.0
1474.4	1391.1	1327.0	1250.1	1166.7	1182.7	1269.3	172.5°	0.0	0.0	0.0	0.0	0.0
1506.5	1487.2	1442.4	1474.4	1461.6	1503.3	1618.7	175°	0.0	0.0	0.0	0.0	0.0
1525.7	1480.8	1596.2	1772.5	1891.1	2022.5	2077.0	177.5°	0.0	0.0	0.0	0.0	0.0
2093.0	2054.6	2089.8	2182.8	2330.2	2455.2	2448.8	180°	0.0	0.0	0.0	0.0	0.0
2673.2	2698.8	2692.4	2695.6	2730.9	2714.9	2775.8						
2993.7	3045.0	2926.4	2897.6	2891.2	2836.7	2961.7						
3000.1	3041.8	2868.7	2798.2	2788.6	2702.0	2746.9						
2730.9	2859.1	2730.9	2641.1	2618.7	2493.7	2500.1						
2545.0	2551.4	2394.3	2349.5	2282.2	2189.2	2275.7						
2436.0	2189.2	1926.4	1778.9	1689.2	1737.3	1948.8						
2083.4	1721.2	1416.7	1169.9	1102.6	1208.4	1426.3						
1573.8	1243.6	945.6	724.4	641.1	692.3	897.5						
1096.2	791.7	580.2	432.7	359.0	381.4	516.0						
628.2	451.9	336.6	256.4	221.2	230.8	288.5						
352.6	259.6	205.1	169.9	160.3	163.5	176.3						
192.3	150.6	128.2	121.8	121.8	128.2	134.6						
115.4	105.8	102.6	102.6	102.6	109.0	112.2						
99.4	96.2	93.0	93.0	93.0	96.2	99.4						
93.0	89.7	89.7	89.7	86.5	89.7	89.7						
83.3	83.3	80.1	80.1	80.1	80.1	83.3						
80.1	76.9	73.7	73.7	73.7	73.7	76.9						



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CANDELA DISTRIBUTION (continued):

300°	305°	310°	315°	320°	325°		330°	335°	340°	345°	350°	355°
67.3	67.3	67.3	64.1	64.1	64.1	0°	83.3	83.3	83.3	83.3	83.3	83.3
57.7	57.7	57.7	54.5	54.5	57.7	2.5°	86.5	93.0	102.6	112.2	118.6	121.8
51.3	51.3	51.3	51.3	48.1	51.3	5°	112.2	118.6	125.0	128.2	134.6	137.8
44.9	44.9	48.1	48.1	44.9	44.9	7.5°	125.0	131.4	137.8	141.0	147.4	150.6
41.7	41.7	44.9	41.7	41.7	41.7	10°	131.4	131.4	131.4	134.6	141.0	141.0
35.3	35.3	38.5	35.3	35.3	35.3	12.5°	141.0	141.0	141.0	144.2	147.4	147.4
32.1	28.8	32.1	32.1	32.1	28.8	15°	195.5	208.3	218.0	221.2	227.6	230.8
28.8	25.6	25.6	25.6	25.6	25.6	17.5°	275.7	285.3	291.7	294.9	301.3	304.5
32.1	28.8	28.8	25.6	25.6	25.6	20°	310.9	326.9	339.8	346.2	352.6	352.6
57.7	44.9	25.6	16.0	19.2	38.5	22.5°	320.5	326.9	330.1	323.7	326.9	326.9
41.7	25.6	12.8	6.4	9.6	22.4	25°	298.1	307.7	323.7	333.3	349.4	362.2
28.8	12.8	0.0	0.0	0.0	12.8	27.5°	365.4	387.8	416.7	448.7	474.4	493.6
3.2	0.0	0.0	0.0	0.0	0.0	30°	496.8	528.9	567.3	599.4	634.6	653.9
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	615.4	641.1	673.1	702.0	730.8	750.0
0.0	0.0	0.0	0.0	0.0	0.0	35°	698.7	721.2	740.4	766.1	782.1	798.1
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	753.2	766.1	772.5	801.3	827.0	843.0
0.0	0.0	0.0	0.0	0.0	0.0	40°	804.5	830.2	839.8	859.0	878.2	891.1
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	852.6	881.4	891.1	907.1	926.3	932.7
0.0	0.0	0.0	0.0	0.0	0.0	45°	891.1	926.3	945.6	968.0	987.2	993.6
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	945.6	984.0	996.8	1022.5	1028.9	1028.9
0.0	0.0	0.0	0.0	0.0	0.0	50°	1000.0	1044.9	1070.6	1105.8	1096.2	1093.0
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	1054.5	1089.8	1131.5	1185.9	1195.6	1202.0
0.0	0.0	0.0	0.0	0.0	0.0	55°	1125.0	1157.1	1169.9	1185.9	1176.3	1176.3
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	1179.5	1256.5	1330.2	1375.1	1371.9	1368.7
0.0	0.0	0.0	0.0	0.0	0.0	60°	1371.9	1474.4	1634.7	1801.4	1897.5	1942.4
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	1795.0	1891.1	1952.0	1984.1	1961.6	1936.0
0.0	0.0	0.0	0.0	0.0	0.0	65°	2099.5	2067.4	2022.5	1891.1	1753.3	1653.9
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	2400.7	2259.7	2205.2	2150.7	2102.7	2073.8
						70°	2884.7	2814.2	2766.1	2686.0	2596.3	2532.2
						72.5°	3041.8	2964.9	2920.0	2817.4	2711.7	2612.3
						75°	2782.2	2737.3	2698.8	2621.9	2529.0	2416.8
						77.5°	2541.8	2538.6	2532.2	2493.7	2439.2	2333.4
						80°	2352.7	2436.0	2512.9	2561.0	2586.7	2516.1
						82.5°	2160.4	2378.3	2599.5	2740.5	2855.9	2849.5
						85°	1737.3	2099.5	2426.4	2692.4	2904.0	3003.3
						87.5°	1160.3	1535.3	1855.9	2186.0	2436.0	2589.9
						90°	689.1	910.3	1147.5	1394.3	1561.0	1686.0
						92.5°	387.8	512.8	666.7	820.5	919.9	996.8
						95°	201.9	246.8	304.5	359.0	400.7	426.3
						97.5°	137.8	141.0	141.0	141.0	137.8	137.8
						100°	112.2	112.2	109.0	105.8	105.8	102.6
						102.5°	96.2	96.2	93.0	93.0	93.0	89.7
						105°	89.7	86.5	83.3	83.3	83.3	83.3
						107.5°	83.3	80.1	80.1	80.1	80.1	80.1
						110°	76.9	76.9	76.9	76.9	76.9	80.1



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CANDELA DISTRIBUTION (continued):

360°		330°	335°	340°	345°	350°	355°	360°
83.3	112.5°	67.3	67.3	67.3	70.5	70.5	73.7	76.9
121.8	115°	57.7	57.7	57.7	60.9	64.1	67.3	67.3
137.8	117.5°	51.3	51.3	51.3	54.5	57.7	64.1	64.1
153.9	120°	48.1	48.1	48.1	51.3	54.5	57.7	60.9
144.2	122.5°	41.7	44.9	44.9	48.1	51.3	54.5	57.7
147.4	125°	35.3	35.3	38.5	41.7	48.1	51.3	54.5
230.8	127.5°	28.8	32.1	35.3	38.5	44.9	48.1	51.3
304.5	130°	25.6	28.8	32.1	38.5	44.9	48.1	48.1
355.8	132.5°	25.6	32.1	38.5	44.9	51.3	54.5	54.5
323.7	135°	48.1	64.1	73.7	86.5	96.2	102.6	105.8
368.6	137.5°	38.5	54.5	67.3	80.1	89.7	96.2	99.4
500.0	140°	28.8	44.9	57.7	70.5	80.1	86.5	86.5
660.3	142.5°	6.4	16.0	25.6	35.3	41.7	48.1	48.1
762.9	145°	0.0	0.0	6.4	12.8	19.2	22.4	25.6
801.3	147.5°	0.0	0.0	0.0	3.2	6.4	9.6	12.8
849.4	150°	0.0	0.0	0.0	0.0	3.2	3.2	6.4
891.1	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
929.5	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
990.4	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1028.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1093.0	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1214.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1195.6	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1378.3	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1977.7	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948.8	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1641.1	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2105.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2551.4								
2618.7								
2407.2								
2311.0								
2519.3								
2875.1								
3057.8								
2670.0								
1724.4								
1028.9								
429.5								
137.8								
102.6								
89.7								
83.3								
80.1								
80.1								

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