

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: P561057

Luminaire Tested: **SDL-PA1-80-730-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-5WQ
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8779 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



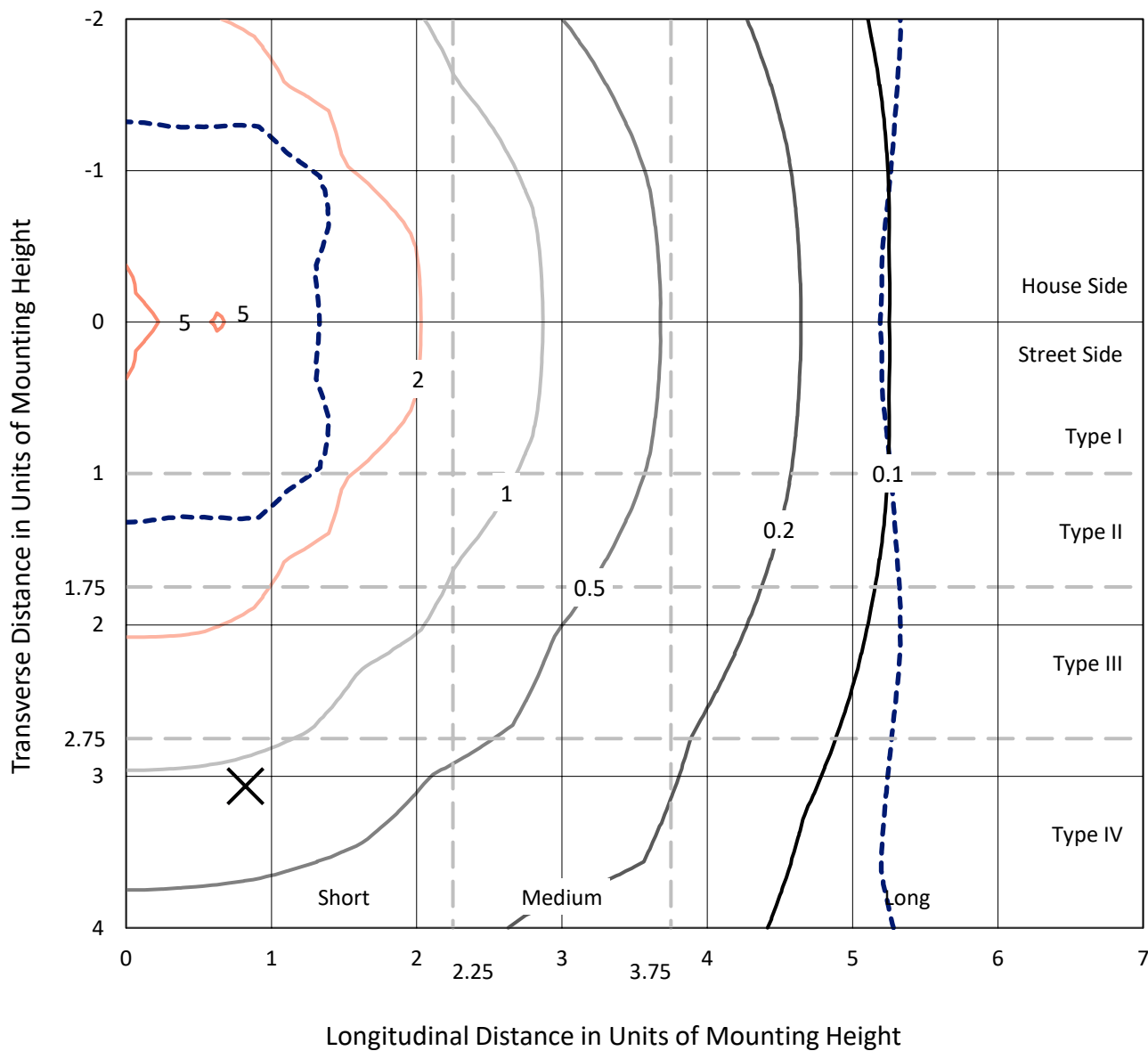
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



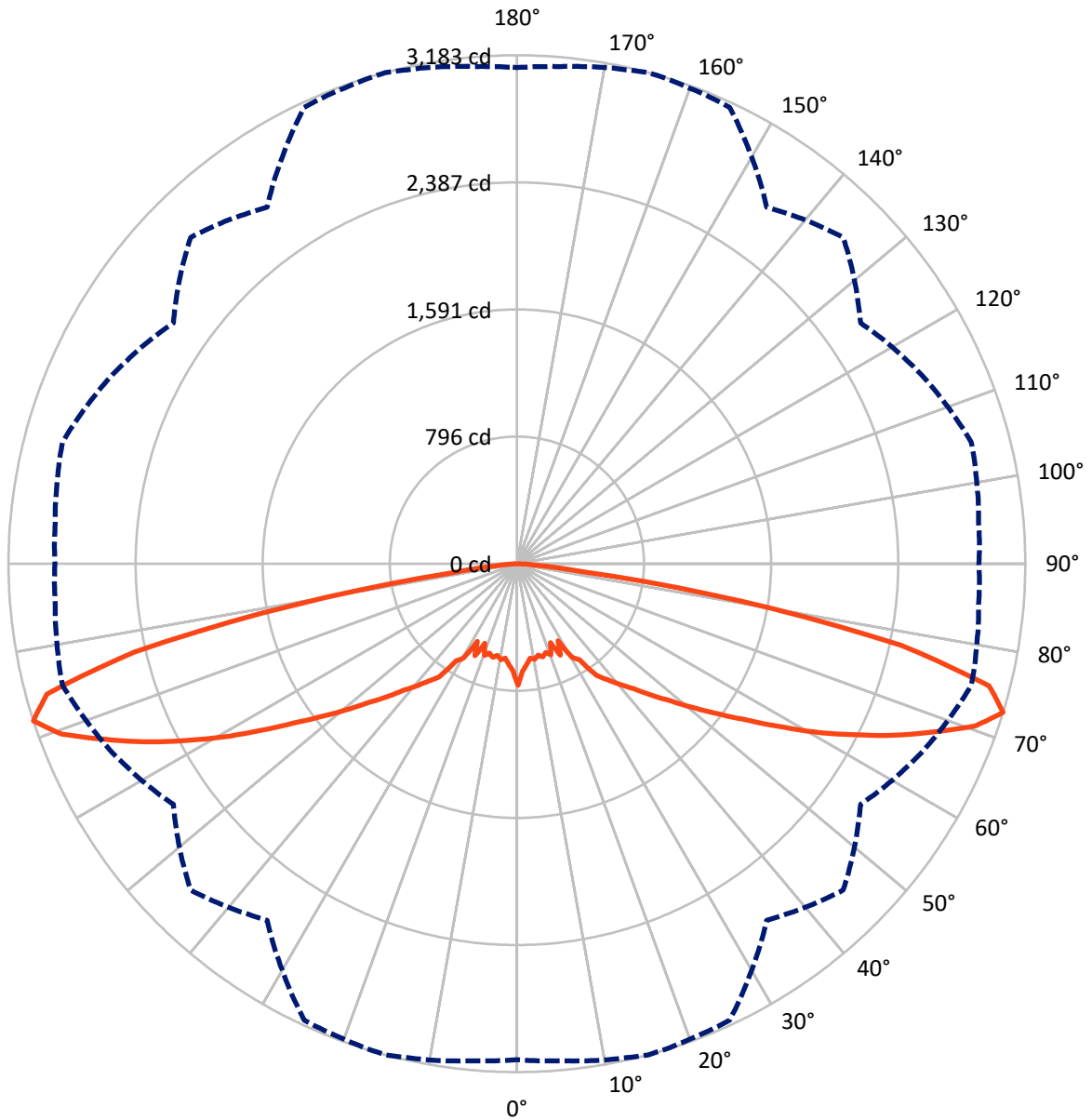
Based on 10 foot mounting height. Maximum calculated value = 7.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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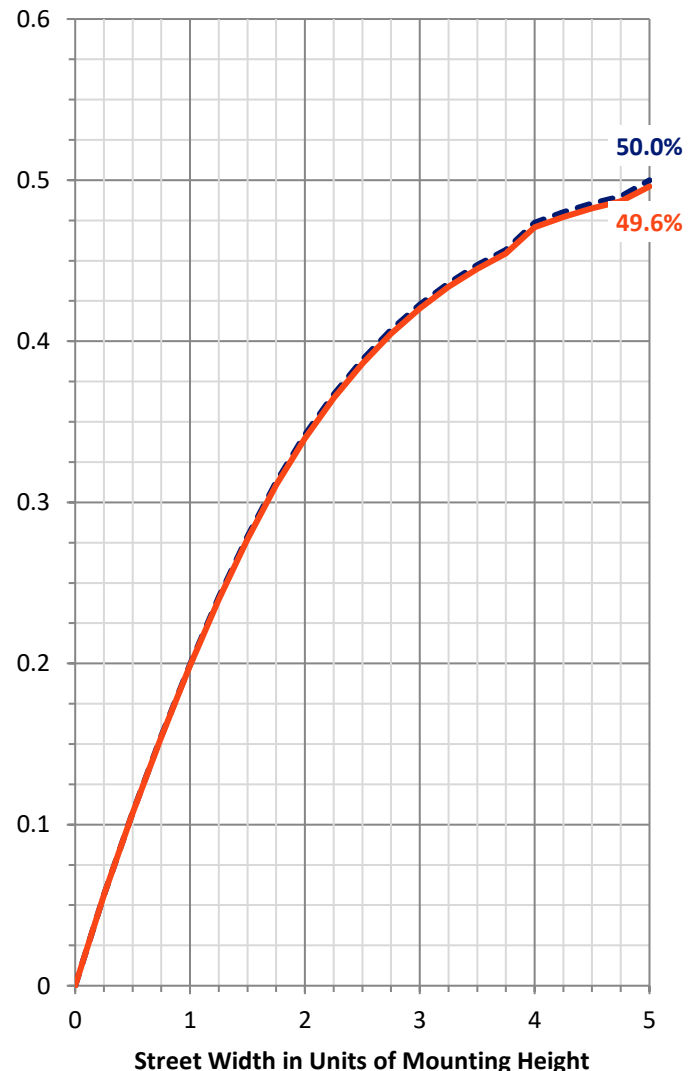
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4389.5	0.0	4389.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4389.5	0.0	4389.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8779.0	0.0	8779.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	0.7
10°-20°	138.6	1.6
20°-30°	247.3	2.8
30°-40°	473.0	5.4
40°-50°	805.6	9.2
50°-60°	1410.2	16.1
60°-70°	2379.5	27.1
70°-80°	2775.5	31.6
80°-90°	489.6	5.6
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°	8779.0	100.0
0°-180°	8779.0	100.0



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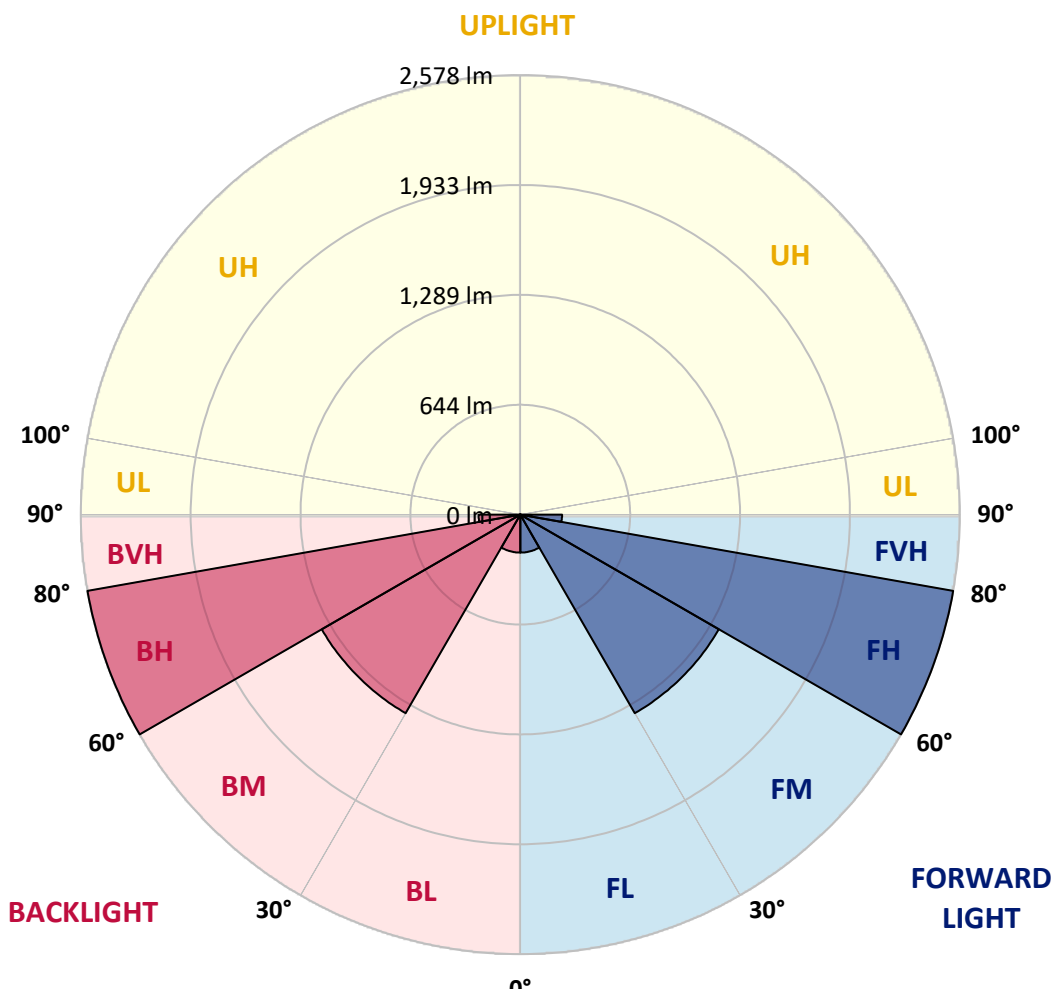
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.8	2.5			
FM	(30°-60°)	1344.4	15.3			
FH	(60°-80°)	2577.5	29.4			G2/5000
FVH	(80°-90°)	244.8	2.8			G3/500
BL	(0°-30°)	222.8	2.5	B1/500		
BM	(30°-60°)	1344.4	15.3	B2/2500		
BH	(60°-80°)	2577.5	29.4	B4/5000		G2/5000
BVH	(80°-90°)	244.8	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	673.6	676.7	676.7	676.7	676.7	673.6	673.6	682.8	692.1	701.4	710.6
5°	636.5	636.5	636.5	636.5	636.5	633.4	633.4	633.4	633.4	633.4	633.4
7.5°	543.8	550.0	553.1	565.4	574.7	587.1	596.3	599.4	602.5	602.5	605.6
10°	611.8	611.8	611.8	611.8	611.8	608.7	608.7	602.5	599.4	593.2	587.1
12.5°	537.6	534.5	531.4	546.9	559.2	574.7	587.1	590.1	593.2	596.3	599.4
15°	618.0	618.0	618.0	614.9	611.8	608.7	605.6	584.0	562.3	537.6	516.0
17.5°	525.3	528.4	528.4	543.8	556.2	571.6	584.0	577.8	571.6	562.3	556.2
20°	630.3	630.3	630.3	624.1	621.0	614.9	608.7	571.6	534.5	494.4	457.3
22.5°	534.5	534.5	534.5	534.5	537.6	537.6	537.6	540.7	543.8	546.9	550.0
25°	651.9	655.0	655.0	648.9	645.8	639.6	633.4	602.5	568.5	537.6	503.6
27.5°	562.3	562.3	562.3	559.2	556.2	550.0	546.9	553.1	562.3	568.5	574.7
30°	689.0	689.0	689.0	685.9	685.9	682.8	679.8	648.9	614.9	584.0	550.0
32.5°	837.3	834.2	831.1	803.3	775.5	744.6	716.8	701.4	685.9	667.4	651.9
35°	889.9	889.9	886.8	880.6	874.4	865.1	859.0	828.1	797.2	766.3	735.4
37.5°	942.4	942.4	939.3	936.2	930.0	926.9	920.8	886.8	855.9	821.9	787.9
40°	1007.3	1010.4	1010.4	1007.3	1001.1	998.0	991.8	954.7	920.8	883.7	846.6
42.5°	1087.6	1087.6	1084.5	1081.4	1078.3	1072.2	1069.1	1035.1	998.0	964.0	926.9
45°	1183.4	1183.4	1180.3	1177.2	1177.2	1174.1	1171.0	1140.1	1106.1	1075.2	1041.3
47.5°	1300.8	1297.7	1294.6	1291.5	1285.3	1282.3	1276.1	1242.1	1211.2	1177.2	1143.2
50°	1424.4	1424.4	1424.4	1421.3	1418.2	1412.0	1408.9	1378.0	1347.1	1313.2	1282.3
52.5°	1557.2	1560.3	1560.3	1560.3	1557.2	1557.2	1554.2	1523.3	1492.4	1458.4	1427.5
55°	1714.8	1714.8	1714.8	1714.8	1717.9	1717.9	1717.9	1687.0	1656.1	1625.2	1594.3
57.5°	1894.0	1906.4	1915.7	1915.7	1915.7	1915.7	1915.7	1884.8	1853.9	1823.0	1792.1
60°	2101.0	2104.1	2107.2	2116.5	2122.7	2131.9	2138.1	2110.3	2082.5	2054.7	2026.9
62.5°	2305.0	2311.2	2314.2	2326.6	2335.9	2348.2	2357.5	2339.0	2317.3	2298.8	2277.2
65°	2515.1	2521.3	2524.3	2539.8	2558.3	2573.8	2589.2	2573.8	2561.4	2546.0	2530.5
67.5°	2737.5	2743.7	2746.8	2762.3	2780.8	2796.2	2811.7	2805.5	2799.3	2793.2	2787.0
70°	2975.5	2978.5	2978.5	2994.0	3012.5	3028.0	3043.4	3040.3	3037.2	3034.2	3031.1
72.5°	3105.2	3114.5	3123.8	3139.2	3154.7	3167.0	3182.5	3176.3	3167.0	3160.8	3151.6
75°	2938.4	2944.6	2950.7	2975.5	3003.3	3028.0	3052.7	3062.0	3074.3	3083.6	3092.9
77.5°	2301.9	2329.7	2354.4	2382.2	2406.9	2434.7	2459.5	2512.0	2561.4	2613.9	2663.4
80°	1140.1	1155.6	1171.0	1232.8	1294.6	1356.4	1418.2	1510.9	1606.7	1699.4	1792.1
82.5°	275.0	275.0	275.0	309.0	339.9	373.9	404.8	488.2	574.7	658.1	741.5
85°	55.6	58.7	61.8	77.2	92.7	105.1	120.5	132.9	145.2	157.6	169.9
87.5°	9.3	9.3	9.3	9.3	12.4	12.4	12.4	15.4	18.5	18.5	21.6
90°	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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	713.7	719.9	723.0	726.1	729.2	732.3	735.4	738.5	741.5	741.5	744.6
5°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	636.5	639.6	642.7
7.5°	608.7	611.8	614.9	618.0	618.0	618.0	614.9	614.9	611.8	611.8	608.7
10°	571.6	556.2	537.6	522.2	522.2	525.3	525.3	525.3	516.0	509.8	500.5
12.5°	587.1	574.7	559.2	546.9	525.3	506.7	485.1	463.5	457.3	451.1	444.9
15°	497.5	482.0	463.5	444.9	435.7	423.3	414.0	401.7	398.6	395.5	389.3
17.5°	540.7	525.3	506.7	491.3	460.4	429.5	398.6	367.7	383.1	401.7	417.1
20°	460.4	460.4	463.5	463.5	463.5	460.4	460.4	457.3	448.0	435.7	426.4
22.5°	525.3	497.5	472.7	444.9	451.1	457.3	463.5	469.6	454.2	438.7	420.2
25°	512.9	522.2	528.4	537.6	512.9	488.2	460.4	435.7	448.0	460.4	472.7
27.5°	556.2	537.6	516.0	497.5	506.7	516.0	522.2	531.4	516.0	500.5	485.1
30°	553.1	556.2	556.2	559.2	546.9	531.4	519.1	503.6	509.8	519.1	525.3
32.5°	633.4	611.8	593.2	571.6	571.6	571.6	568.5	568.5	568.5	571.6	571.6
35°	707.6	682.8	655.0	627.2	621.0	618.0	611.8	605.6	611.8	618.0	624.1
37.5°	760.1	729.2	701.4	670.5	667.4	664.3	658.1	655.0	655.0	655.0	655.0
40°	818.8	791.0	763.2	735.4	729.2	723.0	713.7	707.6	704.5	701.4	695.2
42.5°	899.1	868.2	840.4	809.5	800.3	787.9	778.6	766.3	763.2	760.1	753.9
45°	1004.2	964.0	926.9	886.8	874.4	865.1	852.8	840.4	837.3	831.1	828.1
47.5°	1100.0	1059.8	1016.5	973.3	967.1	957.8	951.7	942.4	936.2	926.9	920.8
50°	1229.7	1174.1	1121.6	1066.0	1066.0	1062.9	1062.9	1059.8	1047.4	1035.1	1022.7
52.5°	1374.9	1319.3	1266.8	1211.2	1205.0	1201.9	1195.7	1189.6	1177.2	1164.8	1149.4
55°	1538.7	1483.1	1427.5	1371.9	1368.8	1368.8	1365.7	1362.6	1344.1	1325.5	1307.0
57.5°	1736.5	1683.9	1628.3	1572.7	1575.8	1575.8	1578.9	1578.9	1554.2	1529.4	1501.6
60°	1965.1	1903.3	1838.4	1776.6	1785.9	1798.2	1807.5	1816.8	1785.9	1755.0	1721.0
62.5°	2215.4	2150.5	2088.7	2023.8	2042.3	2060.9	2076.3	2094.9	2048.5	2002.2	1955.8
65°	2456.4	2382.2	2308.1	2233.9	2267.9	2305.0	2339.0	2372.9	2317.3	2261.7	2206.1
67.5°	2700.5	2617.0	2530.5	2444.0	2484.2	2524.3	2564.5	2604.7	2549.1	2490.4	2434.7
70°	2926.0	2821.0	2715.9	2610.9	2651.0	2691.2	2731.4	2771.5	2719.0	2666.5	2613.9
72.5°	3046.5	2938.4	2833.3	2725.2	2765.3	2808.6	2848.8	2888.9	2824.1	2759.2	2691.2
75°	3000.2	2904.4	2811.7	2715.9	2774.6	2833.3	2892.0	2950.7	2864.2	2774.6	2688.1
77.5°	2617.0	2573.8	2527.4	2481.1	2586.1	2691.2	2796.2	2901.3	2777.7	2651.0	2527.4
80°	1823.0	1857.0	1887.9	1918.7	2070.1	2221.5	2369.9	2521.3	2376.0	2233.9	2088.7
82.5°	837.3	933.1	1025.8	1121.6	1273.0	1424.4	1572.7	1724.1	1563.4	1402.8	1239.0
85°	200.8	231.7	259.5	290.4	367.7	444.9	522.2	599.4	534.5	469.6	404.8
87.5°	24.7	27.8	27.8	30.9	27.8	27.8	24.7	21.6	24.7	24.7	27.8
90°	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°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	744.6	747.7	747.7	750.8	750.8	750.8	750.8	747.7	747.7	747.7	750.8
5°	645.8	661.2	673.6	689.0	701.4	707.6	716.8	723.0	729.2	732.3	732.3
7.5°	605.6	599.4	590.1	584.0	574.7	587.1	602.5	614.9	627.2	630.3	633.4
10°	491.3	488.2	482.0	478.9	472.7	475.8	482.0	485.1	488.2	503.6	522.2
12.5°	438.7	441.8	444.9	448.0	451.1	441.8	432.6	420.2	410.9	426.4	441.8
15°	386.2	386.2	389.3	389.3	389.3	401.7	414.0	426.4	438.7	460.4	485.1
17.5°	432.6	426.4	420.2	410.9	404.8	407.9	407.9	410.9	410.9	423.3	432.6
20°	414.0	404.8	398.6	389.3	380.0	395.5	410.9	426.4	441.8	466.6	491.3
22.5°	404.8	423.3	438.7	457.3	472.7	463.5	454.2	441.8	432.6	432.6	432.6
25°	485.1	469.6	454.2	438.7	423.3	451.1	475.8	503.6	528.4	546.9	562.3
27.5°	469.6	482.0	494.4	503.6	516.0	531.4	546.9	562.3	577.8	605.6	630.3
30°	531.4	546.9	562.3	574.7	590.1	630.3	667.4	707.6	744.6	763.2	781.7
32.5°	571.6	602.5	630.3	661.2	689.0	710.6	732.3	753.9	775.5	794.1	815.7
35°	630.3	655.0	676.7	701.4	723.0	747.7	772.4	794.1	818.8	837.3	855.9
37.5°	655.0	682.8	710.6	735.4	763.2	794.1	821.9	852.8	880.6	896.0	908.4
40°	692.1	726.1	760.1	794.1	828.1	859.0	889.9	920.8	951.7	964.0	976.4
42.5°	750.8	787.9	825.0	859.0	896.0	930.0	960.9	994.9	1025.8	1038.2	1050.5
45°	821.9	859.0	896.0	933.1	970.2	1007.3	1044.3	1081.4	1118.5	1133.9	1149.4
47.5°	911.5	948.6	988.7	1025.8	1062.9	1109.2	1152.5	1198.8	1242.1	1254.4	1266.8
50°	1010.4	1047.4	1084.5	1121.6	1158.7	1217.4	1273.0	1331.7	1387.3	1393.5	1402.8
52.5°	1137.0	1174.1	1208.1	1245.2	1279.2	1344.1	1408.9	1470.7	1535.6	1538.7	1544.9
55°	1288.4	1322.4	1359.5	1393.5	1427.5	1498.5	1566.5	1637.6	1705.6	1705.6	1708.6
57.5°	1476.9	1514.0	1551.1	1585.1	1622.1	1690.1	1758.1	1823.0	1890.9	1887.9	1884.8
60°	1690.1	1724.1	1755.0	1789.0	1819.9	1884.8	1952.7	2017.6	2082.5	2076.3	2067.1
62.5°	1909.5	1946.6	1983.6	2017.6	2054.7	2107.2	2162.8	2215.4	2267.9	2255.5	2243.2
65°	2150.5	2187.6	2227.7	2264.8	2301.9	2342.0	2385.3	2425.5	2465.6	2453.3	2444.0
67.5°	2376.0	2419.3	2462.6	2502.7	2546.0	2576.9	2607.8	2635.6	2666.5	2651.0	2635.6
70°	2561.4	2598.5	2635.6	2672.7	2709.7	2740.6	2771.5	2802.4	2833.3	2817.9	2802.4
72.5°	2626.3	2669.6	2712.8	2753.0	2796.2	2833.3	2870.4	2907.5	2944.6	2935.3	2922.9
75°	2598.5	2629.4	2660.3	2691.2	2722.1	2749.9	2780.8	2808.6	2836.4	2821.0	2805.5
77.5°	2400.8	2397.7	2391.5	2388.4	2382.2	2382.2	2385.3	2385.3	2385.3	2366.8	2348.2
80°	1943.5	1887.9	1832.2	1776.6	1721.0	1656.1	1591.2	1526.3	1461.5	1399.7	1337.9
82.5°	1078.3	951.7	828.1	701.4	574.7	522.2	466.6	414.0	358.4	333.7	305.9
85°	339.9	296.6	253.4	210.1	166.8	157.6	148.3	136.0	126.7	117.4	108.1
87.5°	27.8	24.7	24.7	21.6	18.5	15.4	15.4	12.4	9.3	9.3	9.3
90°	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):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	750.8	750.8	750.8	750.8	750.8	750.8	750.8	750.8	747.7	747.7	747.7
5°	735.4	735.4	735.4	735.4	735.4	735.4	735.4	732.3	732.3	729.2	723.0
7.5°	633.4	636.5	636.5	633.4	636.5	636.5	633.4	633.4	630.3	627.2	614.9
10°	537.6	553.1	553.1	553.1	553.1	553.1	537.6	522.2	503.6	488.2	485.1
12.5°	457.3	472.7	472.7	472.7	472.7	472.7	457.3	441.8	426.4	410.9	420.2
15°	506.7	528.4	528.4	528.4	528.4	528.4	506.7	485.1	460.4	438.7	426.4
17.5°	444.9	454.2	457.3	457.3	457.3	454.2	444.9	432.6	423.3	410.9	410.9
20°	512.9	537.6	540.7	543.8	540.7	537.6	512.9	491.3	466.6	441.8	426.4
22.5°	429.5	429.5	432.6	432.6	432.6	429.5	429.5	432.6	432.6	432.6	441.8
25°	580.9	596.3	596.3	593.2	596.3	596.3	580.9	562.3	546.9	528.4	503.6
27.5°	658.1	682.8	689.0	692.1	689.0	682.8	658.1	630.3	605.6	577.8	562.3
30°	800.3	818.8	818.8	818.8	818.8	818.8	800.3	781.7	763.2	744.6	707.6
32.5°	834.2	852.8	852.8	852.8	852.8	852.8	834.2	815.7	794.1	775.5	753.9
35°	871.3	889.9	892.9	892.9	892.9	889.9	871.3	855.9	837.3	818.8	794.1
37.5°	923.8	936.2	939.3	942.4	939.3	936.2	923.8	908.4	896.0	880.6	852.8
40°	985.6	998.0	998.0	998.0	998.0	998.0	985.6	976.4	964.0	951.7	920.8
42.5°	1062.9	1075.2	1078.3	1081.4	1078.3	1075.2	1062.9	1050.5	1038.2	1025.8	994.9
45°	1161.8	1177.2	1180.3	1183.4	1180.3	1177.2	1161.8	1149.4	1133.9	1118.5	1081.4
47.5°	1279.2	1291.5	1291.5	1291.5	1291.5	1291.5	1279.2	1266.8	1254.4	1242.1	1198.8
50°	1408.9	1415.1	1418.2	1418.2	1418.2	1415.1	1408.9	1402.8	1393.5	1387.3	1331.7
52.5°	1548.0	1551.1	1551.1	1548.0	1551.1	1551.1	1548.0	1544.9	1538.7	1535.6	1470.7
55°	1708.6	1708.6	1705.6	1699.4	1705.6	1708.6	1708.6	1708.6	1705.6	1705.6	1637.6
57.5°	1881.7	1878.6	1878.6	1875.5	1878.6	1878.6	1881.7	1884.8	1887.9	1890.9	1823.0
60°	2060.9	2051.6	2048.5	2042.3	2048.5	2051.6	2060.9	2067.1	2076.3	2082.5	2017.6
62.5°	2230.8	2218.5	2218.5	2218.5	2218.5	2218.5	2230.8	2243.2	2255.5	2267.9	2215.4
65°	2431.7	2419.3	2413.1	2406.9	2413.1	2419.3	2431.7	2444.0	2453.3	2465.6	2425.5
67.5°	2620.1	2604.7	2598.5	2589.2	2598.5	2604.7	2620.1	2635.6	2651.0	2666.5	2635.6
70°	2783.9	2768.4	2765.3	2762.3	2765.3	2768.4	2783.9	2802.4	2817.9	2833.3	2802.4
72.5°	2913.7	2901.3	2898.2	2892.0	2898.2	2901.3	2913.7	2922.9	2935.3	2944.6	2907.5
75°	2790.1	2774.6	2765.3	2753.0	2765.3	2774.6	2790.1	2805.5	2821.0	2836.4	2808.6
77.5°	2329.7	2311.2	2305.0	2295.7	2305.0	2311.2	2329.7	2348.2	2366.8	2385.3	2385.3
80°	1276.1	1214.3	1198.8	1180.3	1198.8	1214.3	1276.1	1337.9	1399.7	1461.5	1526.3
82.5°	281.2	253.4	244.1	231.7	244.1	253.4	281.2	305.9	333.7	358.4	414.0
85°	95.8	86.5	80.3	74.2	80.3	86.5	95.8	108.1	117.4	126.7	136.0
87.5°	9.3	9.3	9.3	6.2	9.3	9.3	9.3	9.3	9.3	9.3	12.4
90°	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°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	750.8	750.8	750.8	750.8	747.7	747.7	744.6	744.6	741.5	741.5	738.5
5°	716.8	707.6	701.4	689.0	673.6	661.2	645.8	642.7	639.6	636.5	633.4
7.5°	602.5	587.1	574.7	584.0	590.1	599.4	605.6	608.7	611.8	611.8	614.9
10°	482.0	475.8	472.7	478.9	482.0	488.2	491.3	500.5	509.8	516.0	525.3
12.5°	432.6	441.8	451.1	448.0	444.9	441.8	438.7	444.9	451.1	457.3	463.5
15°	414.0	401.7	389.3	389.3	389.3	386.2	386.2	389.3	395.5	398.6	401.7
17.5°	407.9	407.9	404.8	410.9	420.2	426.4	432.6	417.1	401.7	383.1	367.7
20°	410.9	395.5	380.0	389.3	398.6	404.8	414.0	426.4	435.7	448.0	457.3
22.5°	454.2	463.5	472.7	457.3	438.7	423.3	404.8	420.2	438.7	454.2	469.6
25°	475.8	451.1	423.3	438.7	454.2	469.6	485.1	472.7	460.4	448.0	435.7
27.5°	546.9	531.4	516.0	503.6	494.4	482.0	469.6	485.1	500.5	516.0	531.4
30°	667.4	630.3	590.1	574.7	562.3	546.9	531.4	525.3	519.1	509.8	503.6
32.5°	732.3	710.6	689.0	661.2	630.3	602.5	571.6	571.6	571.6	568.5	568.5
35°	772.4	747.7	723.0	701.4	676.7	655.0	630.3	624.1	618.0	611.8	605.6
37.5°	821.9	794.1	763.2	735.4	710.6	682.8	655.0	655.0	655.0	655.0	655.0
40°	889.9	859.0	828.1	794.1	760.1	726.1	692.1	695.2	701.4	704.5	707.6
42.5°	960.9	930.0	896.0	859.0	825.0	787.9	750.8	753.9	760.1	763.2	766.3
45°	1044.3	1007.3	970.2	933.1	896.0	859.0	821.9	828.1	831.1	837.3	840.4
47.5°	1152.5	1109.2	1062.9	1025.8	988.7	948.6	911.5	920.8	926.9	936.2	942.4
50°	1273.0	1217.4	1158.7	1121.6	1084.5	1047.4	1010.4	1022.7	1035.1	1047.4	1059.8
52.5°	1408.9	1344.1	1279.2	1245.2	1208.1	1174.1	1137.0	1149.4	1164.8	1177.2	1189.6
55°	1566.5	1498.5	1427.5	1393.5	1359.5	1322.4	1288.4	1307.0	1325.5	1344.1	1362.6
57.5°	1758.1	1690.1	1622.1	1585.1	1551.1	1514.0	1476.9	1501.6	1529.4	1554.2	1578.9
60°	1952.7	1884.8	1819.9	1789.0	1755.0	1724.1	1690.1	1721.0	1755.0	1785.9	1816.8
62.5°	2162.8	2107.2	2054.7	2017.6	1983.6	1946.6	1909.5	1955.8	2002.2	2048.5	2094.9
65°	2385.3	2342.0	2301.9	2264.8	2227.7	2187.6	2150.5	2206.1	2261.7	2317.3	2372.9
67.5°	2607.8	2576.9	2546.0	2502.7	2462.6	2419.3	2376.0	2434.7	2490.4	2549.1	2604.7
70°	2771.5	2740.6	2709.7	2672.7	2635.6	2598.5	2561.4	2613.9	2666.5	2719.0	2771.5
72.5°	2870.4	2833.3	2796.2	2753.0	2712.8	2669.6	2626.3	2691.2	2759.2	2824.1	2888.9
75°	2780.8	2749.9	2722.1	2691.2	2660.3	2629.4	2598.5	2688.1	2774.6	2864.2	2950.7
77.5°	2385.3	2382.2	2382.2	2388.4	2391.5	2397.7	2400.8	2527.4	2651.0	2777.7	2901.3
80°	1591.2	1656.1	1721.0	1776.6	1832.2	1887.9	1943.5	2088.7	2233.9	2376.0	2521.3
82.5°	466.6	522.2	574.7	701.4	828.1	951.7	1078.3	1239.0	1402.8	1563.4	1724.1
85°	148.3	157.6	166.8	210.1	253.4	296.6	339.9	404.8	469.6	534.5	599.4
87.5°	15.4	15.4	18.5	21.6	24.7	24.7	27.8	27.8	24.7	24.7	21.6
90°	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):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	735.4	732.3	729.2	726.1	723.0	719.9	713.7	710.6	701.4	692.1	682.8
5°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4
7.5°	614.9	618.0	618.0	618.0	614.9	611.8	608.7	605.6	602.5	602.5	599.4
10°	525.3	525.3	522.2	522.2	537.6	556.2	571.6	587.1	593.2	599.4	602.5
12.5°	485.1	506.7	525.3	546.9	559.2	574.7	587.1	599.4	596.3	593.2	590.1
15°	414.0	423.3	435.7	444.9	463.5	482.0	497.5	516.0	537.6	562.3	584.0
17.5°	398.6	429.5	460.4	491.3	506.7	525.3	540.7	556.2	562.3	571.6	577.8
20°	460.4	460.4	463.5	463.5	463.5	460.4	460.4	457.3	494.4	534.5	571.6
22.5°	463.5	457.3	451.1	444.9	472.7	497.5	525.3	550.0	546.9	543.8	540.7
25°	460.4	488.2	512.9	537.6	528.4	522.2	512.9	503.6	537.6	568.5	602.5
27.5°	522.2	516.0	506.7	497.5	516.0	537.6	556.2	574.7	568.5	562.3	553.1
30°	519.1	531.4	546.9	559.2	556.2	556.2	553.1	550.0	584.0	614.9	648.9
32.5°	568.5	571.6	571.6	571.6	593.2	611.8	633.4	651.9	667.4	685.9	701.4
35°	611.8	618.0	621.0	627.2	655.0	682.8	707.6	735.4	766.3	797.2	828.1
37.5°	658.1	664.3	667.4	670.5	701.4	729.2	760.1	787.9	821.9	855.9	886.8
40°	713.7	723.0	729.2	735.4	763.2	791.0	818.8	846.6	883.7	920.8	954.7
42.5°	778.6	787.9	800.3	809.5	840.4	868.2	899.1	926.9	964.0	998.0	1035.1
45°	852.8	865.1	874.4	886.8	926.9	964.0	1004.2	1041.3	1075.2	1106.1	1140.1
47.5°	951.7	957.8	967.1	973.3	1016.5	1059.8	1100.0	1143.2	1177.2	1211.2	1242.1
50°	1062.9	1062.9	1066.0	1066.0	1121.6	1174.1	1229.7	1282.3	1313.2	1347.1	1378.0
52.5°	1195.7	1201.9	1205.0	1211.2	1266.8	1319.3	1374.9	1427.5	1458.4	1492.4	1523.3
55°	1365.7	1368.8	1368.8	1371.9	1427.5	1483.1	1538.7	1594.3	1625.2	1656.1	1687.0
57.5°	1578.9	1575.8	1575.8	1572.7	1628.3	1683.9	1736.5	1792.1	1823.0	1853.9	1884.8
60°	1807.5	1798.2	1785.9	1776.6	1838.4	1903.3	1965.1	2026.9	2054.7	2082.5	2110.3
62.5°	2076.3	2060.9	2042.3	2023.8	2088.7	2150.5	2215.4	2277.2	2298.8	2317.3	2339.0
65°	2339.0	2305.0	2267.9	2233.9	2308.1	2382.2	2456.4	2530.5	2546.0	2561.4	2573.8
67.5°	2564.5	2524.3	2484.2	2444.0	2530.5	2617.0	2700.5	2787.0	2793.2	2799.3	2805.5
70°	2731.4	2691.2	2651.0	2610.9	2715.9	2821.0	2926.0	3031.1	3034.2	3037.2	3040.3
72.5°	2848.8	2808.6	2765.3	2725.2	2833.3	2938.4	3046.5	3151.6	3160.8	3167.0	3176.3
75°	2892.0	2833.3	2774.6	2715.9	2811.7	2904.4	3000.2	3092.9	3083.6	3074.3	3062.0
77.5°	2796.2	2691.2	2586.1	2481.1	2527.4	2573.8	2617.0	2663.4	2613.9	2561.4	2512.0
80°	2369.9	2221.5	2070.1	1918.7	1887.9	1857.0	1823.0	1792.1	1699.4	1606.7	1510.9
82.5°	1572.7	1424.4	1273.0	1121.6	1025.8	933.1	837.3	741.5	658.1	574.7	488.2
85°	522.2	444.9	367.7	290.4	259.5	231.7	200.8	169.9	157.6	145.2	132.9
87.5°	24.7	27.8	27.8	30.9	27.8	27.8	24.7	21.6	18.5	18.5	15.4
90°	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):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	673.6	673.6	676.7	676.7	676.7	676.7	673.6	676.7	676.7	676.7	676.7
5°	633.4	633.4	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
7.5°	596.3	587.1	574.7	565.4	553.1	550.0	543.8	550.0	553.1	565.4	574.7
10°	608.7	608.7	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8	611.8
12.5°	587.1	574.7	559.2	546.9	531.4	534.5	537.6	534.5	531.4	546.9	559.2
15°	605.6	608.7	611.8	614.9	618.0	618.0	618.0	618.0	618.0	614.9	611.8
17.5°	584.0	571.6	556.2	543.8	528.4	528.4	525.3	528.4	528.4	543.8	556.2
20°	608.7	614.9	621.0	624.1	630.3	630.3	630.3	630.3	630.3	624.1	621.0
22.5°	537.6	537.6	537.6	534.5	534.5	534.5	534.5	534.5	534.5	534.5	537.6
25°	633.4	639.6	645.8	648.9	655.0	655.0	651.9	655.0	655.0	648.9	645.8
27.5°	546.9	550.0	556.2	559.2	562.3	562.3	562.3	562.3	562.3	559.2	556.2
30°	679.8	682.8	685.9	685.9	689.0	689.0	689.0	689.0	689.0	685.9	685.9
32.5°	716.8	744.6	775.5	803.3	831.1	834.2	837.3	834.2	831.1	803.3	775.5
35°	859.0	865.1	874.4	880.6	886.8	889.9	889.9	889.9	886.8	880.6	874.4
37.5°	920.8	926.9	930.0	936.2	939.3	942.4	942.4	942.4	939.3	936.2	930.0
40°	991.8	998.0	1001.1	1007.3	1010.4	1010.4	1007.3	1010.4	1010.4	1007.3	1001.1
42.5°	1069.1	1072.2	1078.3	1081.4	1084.5	1087.6	1087.6	1087.6	1084.5	1081.4	1078.3
45°	1171.0	1174.1	1177.2	1177.2	1180.3	1183.4	1183.4	1183.4	1180.3	1177.2	1177.2
47.5°	1276.1	1282.3	1285.3	1291.5	1294.6	1297.7	1300.8	1297.7	1294.6	1291.5	1285.3
50°	1408.9	1412.0	1418.2	1421.3	1424.4	1424.4	1424.4	1424.4	1424.4	1421.3	1418.2
52.5°	1554.2	1557.2	1557.2	1560.3	1560.3	1560.3	1557.2	1560.3	1560.3	1560.3	1557.2
55°	1717.9	1717.9	1717.9	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1717.9
57.5°	1915.7	1915.7	1915.7	1915.7	1915.7	1906.4	1894.0	1906.4	1915.7	1915.7	1915.7
60°	2138.1	2131.9	2122.7	2116.5	2107.2	2104.1	2101.0	2104.1	2107.2	2116.5	2122.7
62.5°	2357.5	2348.2	2335.9	2326.6	2314.2	2311.2	2305.0	2311.2	2314.2	2326.6	2335.9
65°	2589.2	2573.8	2558.3	2539.8	2524.3	2521.3	2515.1	2521.3	2524.3	2539.8	2558.3
67.5°	2811.7	2796.2	2780.8	2762.3	2746.8	2743.7	2737.5	2743.7	2746.8	2762.3	2780.8
70°	3043.4	3028.0	3012.5	2994.0	2978.5	2978.5	2975.5	2978.5	2978.5	2994.0	3012.5
72.5°	3182.5	3167.0	3154.7	3139.2	3123.8	3114.5	3105.2	3114.5	3123.8	3139.2	3154.7
75°	3052.7	3028.0	3003.3	2975.5	2950.7	2944.6	2938.4	2944.6	2950.7	2975.5	3003.3
77.5°	2459.5	2434.7	2406.9	2382.2	2354.4	2329.7	2301.9	2329.7	2354.4	2382.2	2406.9
80°	1418.2	1356.4	1294.6	1232.8	1171.0	1155.6	1140.1	1155.6	1171.0	1232.8	1294.6
82.5°	404.8	373.9	339.9	309.0	275.0	275.0	275.0	275.0	275.0	309.0	339.9
85°	120.5	105.1	92.7	77.2	61.8	58.7	55.6	58.7	61.8	77.2	92.7
87.5°	12.4	12.4	12.4	9.3	9.3	9.3	9.3	9.3	9.3	9.3	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P561057

CATALOG NUMBER: SDL-PA1-80-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	673.6	673.6	682.8	692.1	701.4	710.6	713.7	719.9	723.0	726.1	729.2
5°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4
7.5°	587.1	596.3	599.4	602.5	602.5	605.6	608.7	611.8	614.9	618.0	618.0
10°	608.7	608.7	602.5	599.4	593.2	587.1	571.6	556.2	537.6	522.2	522.2
12.5°	574.7	587.1	590.1	593.2	596.3	599.4	587.1	574.7	559.2	546.9	525.3
15°	608.7	605.6	584.0	562.3	537.6	516.0	497.5	482.0	463.5	444.9	435.7
17.5°	571.6	584.0	577.8	571.6	562.3	556.2	540.7	525.3	506.7	491.3	460.4
20°	614.9	608.7	571.6	534.5	494.4	457.3	460.4	460.4	463.5	463.5	463.5
22.5°	537.6	537.6	540.7	543.8	546.9	550.0	525.3	497.5	472.7	444.9	451.1
25°	639.6	633.4	602.5	568.5	537.6	503.6	512.9	522.2	528.4	537.6	512.9
27.5°	550.0	546.9	553.1	562.3	568.5	574.7	556.2	537.6	516.0	497.5	506.7
30°	682.8	679.8	648.9	614.9	584.0	550.0	553.1	556.2	556.2	559.2	546.9
32.5°	744.6	716.8	701.4	685.9	667.4	651.9	633.4	611.8	593.2	571.6	571.6
35°	865.1	859.0	828.1	797.2	766.3	735.4	707.6	682.8	655.0	627.2	621.0
37.5°	926.9	920.8	886.8	855.9	821.9	787.9	760.1	729.2	701.4	670.5	667.4
40°	998.0	991.8	954.7	920.8	883.7	846.6	818.8	791.0	763.2	735.4	729.2
42.5°	1072.2	1069.1	1035.1	998.0	964.0	926.9	899.1	868.2	840.4	809.5	800.3
45°	1174.1	1171.0	1140.1	1106.1	1075.2	1041.3	1004.2	964.0	926.9	886.8	874.4
47.5°	1282.3	1276.1	1242.1	1211.2	1177.2	1143.2	1100.0	1059.8	1016.5	973.3	967.1
50°	1412.0	1408.9	1378.0	1347.1	1313.2	1282.3	1229.7	1174.1	1121.6	1066.0	1066.0
52.5°	1557.2	1554.2	1523.3	1492.4	1458.4	1427.5	1374.9	1319.3	1266.8	1211.2	1205.0
55°	1717.9	1717.9	1687.0	1656.1	1625.2	1594.3	1538.7	1483.1	1427.5	1371.9	1368.8
57.5°	1915.7	1915.7	1884.8	1853.9	1823.0	1792.1	1736.5	1683.9	1628.3	1572.7	1575.8
60°	2131.9	2138.1	2110.3	2082.5	2054.7	2026.9	1965.1	1903.3	1838.4	1776.6	1785.9
62.5°	2348.2	2357.5	2339.0	2317.3	2298.8	2277.2	2215.4	2150.5	2088.7	2023.8	2042.3
65°	2573.8	2589.2	2573.8	2561.4	2546.0	2530.5	2456.4	2382.2	2308.1	2233.9	2267.9
67.5°	2796.2	2811.7	2805.5	2799.3	2793.2	2787.0	2700.5	2617.0	2530.5	2444.0	2484.2
70°	3028.0	3043.4	3040.3	3037.2	3034.2	3031.1	2926.0	2821.0	2715.9	2610.9	2651.0
72.5°	3167.0	3182.5	3176.3	3167.0	3160.8	3151.6	3046.5	2938.4	2833.3	2725.2	2765.3
75°	3028.0	3052.7	3062.0	3074.3	3083.6	3092.9	3000.2	2904.4	2811.7	2715.9	2774.6
77.5°	2434.7	2459.5	2512.0	2561.4	2613.9	2663.4	2617.0	2573.8	2527.4	2481.1	2586.1
80°	1356.4	1418.2	1510.9	1606.7	1699.4	1792.1	1823.0	1857.0	1887.9	1918.7	2070.1
82.5°	373.9	404.8	488.2	574.7	658.1	741.5	837.3	933.1	1025.8	1121.6	1273.0
85°	105.1	120.5	132.9	145.2	157.6	169.9	200.8	231.7	259.5	290.4	367.7
87.5°	12.4	12.4	15.4	18.5	18.5	21.6	24.7	27.8	27.8	30.9	27.8
90°	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):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	732.3	735.4	738.5	741.5	741.5	744.6	744.6	747.7	747.7	750.8	750.8
5°	633.4	633.4	633.4	636.5	639.6	642.7	645.8	661.2	673.6	689.0	701.4
7.5°	618.0	614.9	614.9	611.8	611.8	608.7	605.6	599.4	590.1	584.0	574.7
10°	525.3	525.3	525.3	516.0	509.8	500.5	491.3	488.2	482.0	478.9	472.7
12.5°	506.7	485.1	463.5	457.3	451.1	444.9	438.7	441.8	444.9	448.0	451.1
15°	423.3	414.0	401.7	398.6	395.5	389.3	386.2	386.2	389.3	389.3	389.3
17.5°	429.5	398.6	367.7	383.1	401.7	417.1	432.6	426.4	420.2	410.9	404.8
20°	460.4	460.4	457.3	448.0	435.7	426.4	414.0	404.8	398.6	389.3	380.0
22.5°	457.3	463.5	469.6	454.2	438.7	420.2	404.8	423.3	438.7	457.3	472.7
25°	488.2	460.4	435.7	448.0	460.4	472.7	485.1	469.6	454.2	438.7	423.3
27.5°	516.0	522.2	531.4	516.0	500.5	485.1	469.6	482.0	494.4	503.6	516.0
30°	531.4	519.1	503.6	509.8	519.1	525.3	531.4	546.9	562.3	574.7	590.1
32.5°	571.6	568.5	568.5	568.5	571.6	571.6	571.6	602.5	630.3	661.2	689.0
35°	618.0	611.8	605.6	611.8	618.0	624.1	630.3	655.0	676.7	701.4	723.0
37.5°	664.3	658.1	655.0	655.0	655.0	655.0	655.0	682.8	710.6	735.4	763.2
40°	723.0	713.7	707.6	704.5	701.4	695.2	692.1	726.1	760.1	794.1	828.1
42.5°	787.9	778.6	766.3	763.2	760.1	753.9	750.8	787.9	825.0	859.0	896.0
45°	865.1	852.8	840.4	837.3	831.1	828.1	821.9	859.0	896.0	933.1	970.2
47.5°	957.8	951.7	942.4	936.2	926.9	920.8	911.5	948.6	988.7	1025.8	1062.9
50°	1062.9	1062.9	1059.8	1047.4	1035.1	1022.7	1010.4	1047.4	1084.5	1121.6	1158.7
52.5°	1201.9	1195.7	1189.6	1177.2	1164.8	1149.4	1137.0	1174.1	1208.1	1245.2	1279.2
55°	1368.8	1365.7	1362.6	1344.1	1325.5	1307.0	1288.4	1322.4	1359.5	1393.5	1427.5
57.5°	1575.8	1578.9	1578.9	1554.2	1529.4	1501.6	1476.9	1514.0	1551.1	1585.1	1622.1
60°	1798.2	1807.5	1816.8	1785.9	1755.0	1721.0	1690.1	1724.1	1755.0	1789.0	1819.9
62.5°	2060.9	2076.3	2094.9	2048.5	2002.2	1955.8	1909.5	1946.6	1983.6	2017.6	2054.7
65°	2305.0	2339.0	2372.9	2317.3	2261.7	2206.1	2150.5	2187.6	2227.7	2264.8	2301.9
67.5°	2524.3	2564.5	2604.7	2549.1	2490.4	2434.7	2376.0	2419.3	2462.6	2502.7	2546.0
70°	2691.2	2731.4	2771.5	2719.0	2666.5	2613.9	2561.4	2598.5	2635.6	2672.7	2709.7
72.5°	2808.6	2848.8	2888.9	2824.1	2759.2	2691.2	2626.3	2669.6	2712.8	2753.0	2796.2
75°	2833.3	2892.0	2950.7	2864.2	2774.6	2688.1	2598.5	2629.4	2660.3	2691.2	2722.1
77.5°	2691.2	2796.2	2901.3	2777.7	2651.0	2527.4	2400.8	2397.7	2391.5	2388.4	2382.2
80°	2221.5	2369.9	2521.3	2376.0	2233.9	2088.7	1943.5	1887.9	1832.2	1776.6	1721.0
82.5°	1424.4	1572.7	1724.1	1563.4	1402.8	1239.0	1078.3	951.7	828.1	701.4	574.7
85°	444.9	522.2	599.4	534.5	469.6	404.8	339.9	296.6	253.4	210.1	166.8
87.5°	27.8	24.7	21.6	24.7	24.7	27.8	27.8	24.7	24.7	21.6	18.5
90°	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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CATALOG NUMBER: SDL-PA1-80-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	750.8	750.8	747.7	747.7	747.7	750.8	750.8	750.8	750.8	750.8	750.8
5°	707.6	716.8	723.0	729.2	732.3	732.3	735.4	735.4	735.4	735.4	735.4
7.5°	587.1	602.5	614.9	627.2	630.3	633.4	633.4	636.5	636.5	633.4	636.5
10°	475.8	482.0	485.1	488.2	503.6	522.2	537.6	553.1	553.1	553.1	553.1
12.5°	441.8	432.6	420.2	410.9	426.4	441.8	457.3	472.7	472.7	472.7	472.7
15°	401.7	414.0	426.4	438.7	460.4	485.1	506.7	528.4	528.4	528.4	528.4
17.5°	407.9	407.9	410.9	410.9	423.3	432.6	444.9	454.2	457.3	457.3	457.3
20°	395.5	410.9	426.4	441.8	466.6	491.3	512.9	537.6	540.7	543.8	540.7
22.5°	463.5	454.2	441.8	432.6	432.6	432.6	429.5	429.5	432.6	432.6	432.6
25°	451.1	475.8	503.6	528.4	546.9	562.3	580.9	596.3	596.3	593.2	596.3
27.5°	531.4	546.9	562.3	577.8	605.6	630.3	658.1	682.8	689.0	692.1	689.0
30°	630.3	667.4	707.6	744.6	763.2	781.7	800.3	818.8	818.8	818.8	818.8
32.5°	710.6	732.3	753.9	775.5	794.1	815.7	834.2	852.8	852.8	852.8	852.8
35°	747.7	772.4	794.1	818.8	837.3	855.9	871.3	889.9	892.9	892.9	892.9
37.5°	794.1	821.9	852.8	880.6	896.0	908.4	923.8	936.2	939.3	942.4	939.3
40°	859.0	889.9	920.8	951.7	964.0	976.4	985.6	998.0	998.0	998.0	998.0
42.5°	930.0	960.9	994.9	1025.8	1038.2	1050.5	1062.9	1075.2	1078.3	1081.4	1078.3
45°	1007.3	1044.3	1081.4	1118.5	1133.9	1149.4	1161.8	1177.2	1180.3	1183.4	1180.3
47.5°	1109.2	1152.5	1198.8	1242.1	1254.4	1266.8	1279.2	1291.5	1291.5	1291.5	1291.5
50°	1217.4	1273.0	1331.7	1387.3	1393.5	1402.8	1408.9	1415.1	1418.2	1418.2	1418.2
52.5°	1344.1	1408.9	1470.7	1535.6	1538.7	1544.9	1548.0	1551.1	1551.1	1548.0	1551.1
55°	1498.5	1566.5	1637.6	1705.6	1705.6	1708.6	1708.6	1708.6	1705.6	1699.4	1705.6
57.5°	1690.1	1758.1	1823.0	1890.9	1887.9	1884.8	1881.7	1878.6	1878.6	1875.5	1878.6
60°	1884.8	1952.7	2017.6	2082.5	2076.3	2067.1	2060.9	2051.6	2048.5	2042.3	2048.5
62.5°	2107.2	2162.8	2215.4	2267.9	2255.5	2243.2	2230.8	2218.5	2218.5	2218.5	2218.5
65°	2342.0	2385.3	2425.5	2465.6	2453.3	2444.0	2431.7	2419.3	2413.1	2406.9	2413.1
67.5°	2576.9	2607.8	2635.6	2666.5	2651.0	2635.6	2620.1	2604.7	2598.5	2589.2	2598.5
70°	2740.6	2771.5	2802.4	2833.3	2817.9	2802.4	2783.9	2768.4	2765.3	2762.3	2765.3
72.5°	2833.3	2870.4	2907.5	2944.6	2935.3	2922.9	2913.7	2901.3	2898.2	2892.0	2898.2
75°	2749.9	2780.8	2808.6	2836.4	2821.0	2805.5	2790.1	2774.6	2765.3	2753.0	2765.3
77.5°	2382.2	2385.3	2385.3	2385.3	2366.8	2348.2	2329.7	2311.2	2305.0	2295.7	2305.0
80°	1656.1	1591.2	1526.3	1461.5	1399.7	1337.9	1276.1	1214.3	1198.8	1180.3	1198.8
82.5°	522.2	466.6	414.0	358.4	333.7	305.9	281.2	253.4	244.1	231.7	244.1
85°	157.6	148.3	136.0	126.7	117.4	108.1	95.8	86.5	80.3	74.2	80.3
87.5°	15.4	15.4	12.4	9.3	9.3	9.3	9.3	9.3	9.3	6.2	9.3
90°	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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CATALOG NUMBER: SDL-PA1-80-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	750.8	750.8	750.8	747.7	747.7	747.7	750.8	750.8	750.8	750.8	747.7
5°	735.4	735.4	732.3	732.3	729.2	723.0	716.8	707.6	701.4	689.0	673.6
7.5°	636.5	633.4	633.4	630.3	627.2	614.9	602.5	587.1	574.7	584.0	590.1
10°	553.1	537.6	522.2	503.6	488.2	485.1	482.0	475.8	472.7	478.9	482.0
12.5°	472.7	457.3	441.8	426.4	410.9	420.2	432.6	441.8	451.1	448.0	444.9
15°	528.4	506.7	485.1	460.4	438.7	426.4	414.0	401.7	389.3	389.3	389.3
17.5°	454.2	444.9	432.6	423.3	410.9	410.9	407.9	407.9	404.8	410.9	420.2
20°	537.6	512.9	491.3	466.6	441.8	426.4	410.9	395.5	380.0	389.3	398.6
22.5°	429.5	429.5	432.6	432.6	432.6	441.8	454.2	463.5	472.7	457.3	438.7
25°	596.3	580.9	562.3	546.9	528.4	503.6	475.8	451.1	423.3	438.7	454.2
27.5°	682.8	658.1	630.3	605.6	577.8	562.3	546.9	531.4	516.0	503.6	494.4
30°	818.8	800.3	781.7	763.2	744.6	707.6	667.4	630.3	590.1	574.7	562.3
32.5°	852.8	834.2	815.7	794.1	775.5	753.9	732.3	710.6	689.0	661.2	630.3
35°	889.9	871.3	855.9	837.3	818.8	794.1	772.4	747.7	723.0	701.4	676.7
37.5°	936.2	923.8	908.4	896.0	880.6	852.8	821.9	794.1	763.2	735.4	710.6
40°	998.0	985.6	976.4	964.0	951.7	920.8	889.9	859.0	828.1	794.1	760.1
42.5°	1075.2	1062.9	1050.5	1038.2	1025.8	994.9	960.9	930.0	896.0	859.0	825.0
45°	1177.2	1161.8	1149.4	1133.9	1118.5	1081.4	1044.3	1007.3	970.2	933.1	896.0
47.5°	1291.5	1279.2	1266.8	1254.4	1242.1	1198.8	1152.5	1109.2	1062.9	1025.8	988.7
50°	1415.1	1408.9	1402.8	1393.5	1387.3	1331.7	1273.0	1217.4	1158.7	1121.6	1084.5
52.5°	1551.1	1548.0	1544.9	1538.7	1535.6	1470.7	1408.9	1344.1	1279.2	1245.2	1208.1
55°	1708.6	1708.6	1708.6	1705.6	1705.6	1637.6	1566.5	1498.5	1427.5	1393.5	1359.5
57.5°	1878.6	1881.7	1884.8	1887.9	1890.9	1823.0	1758.1	1690.1	1622.1	1585.1	1551.1
60°	2051.6	2060.9	2067.1	2076.3	2082.5	2017.6	1952.7	1884.8	1819.9	1789.0	1755.0
62.5°	2218.5	2230.8	2243.2	2255.5	2267.9	2215.4	2162.8	2107.2	2054.7	2017.6	1983.6
65°	2419.3	2431.7	2444.0	2453.3	2465.6	2425.5	2385.3	2342.0	2301.9	2264.8	2227.7
67.5°	2604.7	2620.1	2635.6	2651.0	2666.5	2635.6	2607.8	2576.9	2546.0	2502.7	2462.6
70°	2768.4	2783.9	2802.4	2817.9	2833.3	2802.4	2771.5	2740.6	2709.7	2672.7	2635.6
72.5°	2901.3	2913.7	2922.9	2935.3	2944.6	2907.5	2870.4	2833.3	2796.2	2753.0	2712.8
75°	2774.6	2790.1	2805.5	2821.0	2836.4	2808.6	2780.8	2749.9	2722.1	2691.2	2660.3
77.5°	2311.2	2329.7	2348.2	2366.8	2385.3	2385.3	2385.3	2382.2	2382.2	2388.4	2391.5
80°	1214.3	1276.1	1337.9	1399.7	1461.5	1526.3	1591.2	1656.1	1721.0	1776.6	1832.2
82.5°	253.4	281.2	305.9	333.7	358.4	414.0	466.6	522.2	574.7	701.4	828.1
85°	86.5	95.8	108.1	117.4	126.7	136.0	148.3	157.6	166.8	210.1	253.4
87.5°	9.3	9.3	9.3	9.3	9.3	12.4	15.4	15.4	18.5	21.6	24.7
90°	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):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	747.7	744.6	744.6	741.5	741.5	738.5	735.4	732.3	729.2	726.1	723.0
5°	661.2	645.8	642.7	639.6	636.5	633.4	633.4	633.4	633.4	633.4	633.4
7.5°	599.4	605.6	608.7	611.8	611.8	614.9	614.9	618.0	618.0	618.0	614.9
10°	488.2	491.3	500.5	509.8	516.0	525.3	525.3	525.3	522.2	522.2	537.6
12.5°	441.8	438.7	444.9	451.1	457.3	463.5	485.1	506.7	525.3	546.9	559.2
15°	386.2	386.2	389.3	395.5	398.6	401.7	414.0	423.3	435.7	444.9	463.5
17.5°	426.4	432.6	417.1	401.7	383.1	367.7	398.6	429.5	460.4	491.3	506.7
20°	404.8	414.0	426.4	435.7	448.0	457.3	460.4	460.4	463.5	463.5	463.5
22.5°	423.3	404.8	420.2	438.7	454.2	469.6	463.5	457.3	451.1	444.9	472.7
25°	469.6	485.1	472.7	460.4	448.0	435.7	460.4	488.2	512.9	537.6	528.4
27.5°	482.0	469.6	485.1	500.5	516.0	531.4	522.2	516.0	506.7	497.5	516.0
30°	546.9	531.4	525.3	519.1	509.8	503.6	519.1	531.4	546.9	559.2	556.2
32.5°	602.5	571.6	571.6	571.6	568.5	568.5	568.5	571.6	571.6	571.6	593.2
35°	655.0	630.3	624.1	618.0	611.8	605.6	611.8	618.0	621.0	627.2	655.0
37.5°	682.8	655.0	655.0	655.0	655.0	655.0	658.1	664.3	667.4	670.5	701.4
40°	726.1	692.1	695.2	701.4	704.5	707.6	713.7	723.0	729.2	735.4	763.2
42.5°	787.9	750.8	753.9	760.1	763.2	766.3	778.6	787.9	800.3	809.5	840.4
45°	859.0	821.9	828.1	831.1	837.3	840.4	852.8	865.1	874.4	886.8	926.9
47.5°	948.6	911.5	920.8	926.9	936.2	942.4	951.7	957.8	967.1	973.3	1016.5
50°	1047.4	1010.4	1022.7	1035.1	1047.4	1059.8	1062.9	1062.9	1066.0	1066.0	1121.6
52.5°	1174.1	1137.0	1149.4	1164.8	1177.2	1189.6	1195.7	1201.9	1205.0	1211.2	1266.8
55°	1322.4	1288.4	1307.0	1325.5	1344.1	1362.6	1365.7	1368.8	1368.8	1371.9	1427.5
57.5°	1514.0	1476.9	1501.6	1529.4	1554.2	1578.9	1578.9	1575.8	1575.8	1572.7	1628.3
60°	1724.1	1690.1	1721.0	1755.0	1785.9	1816.8	1807.5	1798.2	1785.9	1776.6	1838.4
62.5°	1946.6	1909.5	1955.8	2002.2	2048.5	2094.9	2076.3	2060.9	2042.3	2023.8	2088.7
65°	2187.6	2150.5	2206.1	2261.7	2317.3	2372.9	2339.0	2305.0	2267.9	2233.9	2308.1
67.5°	2419.3	2376.0	2434.7	2490.4	2549.1	2604.7	2564.5	2524.3	2484.2	2444.0	2530.5
70°	2598.5	2561.4	2613.9	2666.5	2719.0	2771.5	2731.4	2691.2	2651.0	2610.9	2715.9
72.5°	2669.6	2626.3	2691.2	2759.2	2824.1	2888.9	2848.8	2808.6	2765.3	2725.2	2833.3
75°	2629.4	2598.5	2688.1	2774.6	2864.2	2950.7	2892.0	2833.3	2774.6	2715.9	2811.7
77.5°	2397.7	2400.8	2527.4	2651.0	2777.7	2901.3	2796.2	2691.2	2586.1	2481.1	2527.4
80°	1887.9	1943.5	2088.7	2233.9	2376.0	2521.3	2369.9	2221.5	2070.1	1918.7	1887.9
82.5°	951.7	1078.3	1239.0	1402.8	1563.4	1724.1	1572.7	1424.4	1273.0	1121.6	1025.8
85°	296.6	339.9	404.8	469.6	534.5	599.4	522.2	444.9	367.7	290.4	259.5
87.5°	24.7	27.8	27.8	24.7	24.7	21.6	24.7	27.8	27.8	30.9	27.8
90°	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):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1	760.1
2.5°	719.9	713.7	710.6	701.4	692.1	682.8	673.6	673.6	676.7	676.7	676.7
5°	633.4	633.4	633.4	633.4	633.4	633.4	633.4	633.4	636.5	636.5	636.5
7.5°	611.8	608.7	605.6	602.5	602.5	599.4	596.3	587.1	574.7	565.4	553.1
10°	556.2	571.6	587.1	593.2	599.4	602.5	608.7	608.7	611.8	611.8	611.8
12.5°	574.7	587.1	599.4	596.3	593.2	590.1	587.1	574.7	559.2	546.9	531.4
15°	482.0	497.5	516.0	537.6	562.3	584.0	605.6	608.7	611.8	614.9	618.0
17.5°	525.3	540.7	556.2	562.3	571.6	577.8	584.0	571.6	556.2	543.8	528.4
20°	460.4	460.4	457.3	494.4	534.5	571.6	608.7	614.9	621.0	624.1	630.3
22.5°	497.5	525.3	550.0	546.9	543.8	540.7	537.6	537.6	537.6	534.5	534.5
25°	522.2	512.9	503.6	537.6	568.5	602.5	633.4	639.6	645.8	648.9	655.0
27.5°	537.6	556.2	574.7	568.5	562.3	553.1	546.9	550.0	556.2	559.2	562.3
30°	556.2	553.1	550.0	584.0	614.9	648.9	679.8	682.8	685.9	685.9	689.0
32.5°	611.8	633.4	651.9	667.4	685.9	701.4	716.8	744.6	775.5	803.3	831.1
35°	682.8	707.6	735.4	766.3	797.2	828.1	859.0	865.1	874.4	880.6	886.8
37.5°	729.2	760.1	787.9	821.9	855.9	886.8	920.8	926.9	930.0	936.2	939.3
40°	791.0	818.8	846.6	883.7	920.8	954.7	991.8	998.0	1001.1	1007.3	1010.4
42.5°	868.2	899.1	926.9	964.0	998.0	1035.1	1069.1	1072.2	1078.3	1081.4	1084.5
45°	964.0	1004.2	1041.3	1075.2	1106.1	1140.1	1171.0	1174.1	1177.2	1177.2	1180.3
47.5°	1059.8	1100.0	1143.2	1177.2	1211.2	1242.1	1276.1	1282.3	1285.3	1291.5	1294.6
50°	1174.1	1229.7	1282.3	1313.2	1347.1	1378.0	1408.9	1412.0	1418.2	1421.3	1424.4
52.5°	1319.3	1374.9	1427.5	1458.4	1492.4	1523.3	1554.2	1557.2	1557.2	1560.3	1560.3
55°	1483.1	1538.7	1594.3	1625.2	1656.1	1687.0	1717.9	1717.9	1717.9	1714.8	1714.8
57.5°	1683.9	1736.5	1792.1	1823.0	1853.9	1884.8	1915.7	1915.7	1915.7	1915.7	1915.7
60°	1903.3	1965.1	2026.9	2054.7	2082.5	2110.3	2138.1	2131.9	2122.7	2116.5	2107.2
62.5°	2150.5	2215.4	2277.2	2298.8	2317.3	2339.0	2357.5	2348.2	2335.9	2326.6	2314.2
65°	2382.2	2456.4	2530.5	2546.0	2561.4	2573.8	2589.2	2573.8	2558.3	2539.8	2524.3
67.5°	2617.0	2700.5	2787.0	2793.2	2799.3	2805.5	2811.7	2796.2	2780.8	2762.3	2746.8
70°	2821.0	2926.0	3031.1	3034.2	3037.2	3040.3	3043.4	3028.0	3012.5	2994.0	2978.5
72.5°	2938.4	3046.5	3151.6	3160.8	3167.0	3176.3	3182.5	3167.0	3154.7	3139.2	3123.8
75°	2904.4	3000.2	3092.9	3083.6	3074.3	3062.0	3052.7	3028.0	3003.3	2975.5	2950.7
77.5°	2573.8	2617.0	2663.4	2613.9	2561.4	2512.0	2459.5	2434.7	2406.9	2382.2	2354.4
80°	1857.0	1823.0	1792.1	1699.4	1606.7	1510.9	1418.2	1356.4	1294.6	1232.8	1171.0
82.5°	933.1	837.3	741.5	658.1	574.7	488.2	404.8	373.9	339.9	309.0	275.0
85°	231.7	200.8	169.9	157.6	145.2	132.9	120.5	105.1	92.7	77.2	61.8
87.5°	27.8	24.7	21.6	18.5	18.5	15.4	12.4	12.4	12.4	9.3	9.3
90°	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):

	357.5°	360°
0°	760.1	760.1
2.5°	676.7	673.6
5°	636.5	636.5
7.5°	550.0	543.8
10°	611.8	611.8
12.5°	534.5	537.6
15°	618.0	618.0
17.5°	528.4	525.3
20°	630.3	630.3
22.5°	534.5	534.5
25°	655.0	651.9
27.5°	562.3	562.3
30°	689.0	689.0
32.5°	834.2	837.3
35°	889.9	889.9
37.5°	942.4	942.4
40°	1010.4	1007.3
42.5°	1087.6	1087.6
45°	1183.4	1183.4
47.5°	1297.7	1300.8
50°	1424.4	1424.4
52.5°	1560.3	1557.2
55°	1714.8	1714.8
57.5°	1906.4	1894.0
60°	2104.1	2101.0
62.5°	2311.2	2305.0
65°	2521.3	2515.1
67.5°	2743.7	2737.5
70°	2978.5	2975.5
72.5°	3114.5	3105.2
75°	2944.6	2938.4
77.5°	2329.7	2301.9
80°	1155.6	1140.1
82.5°	275.0	275.0
85°	58.7	55.6
87.5°	9.3	9.3
90°	0.0	0.0



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