

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: P560859

Luminaire Tested: **SDL-PA1-70-727-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560859
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-PA1-70-727-U-5WQ
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7343.6 lumens
Efficiency: N/A
Efficacy: 101.7 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: B3 - U0 - G2

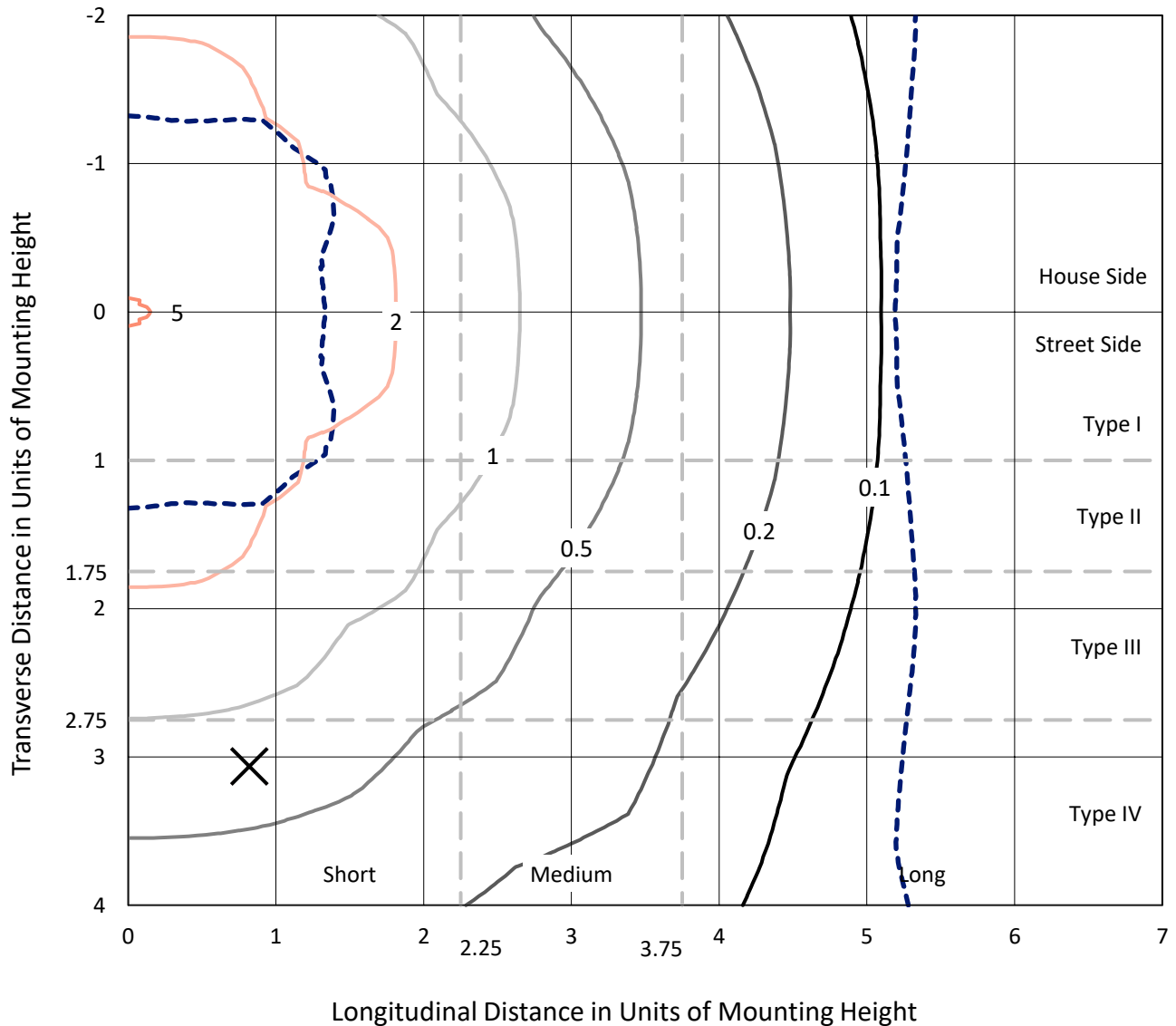
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

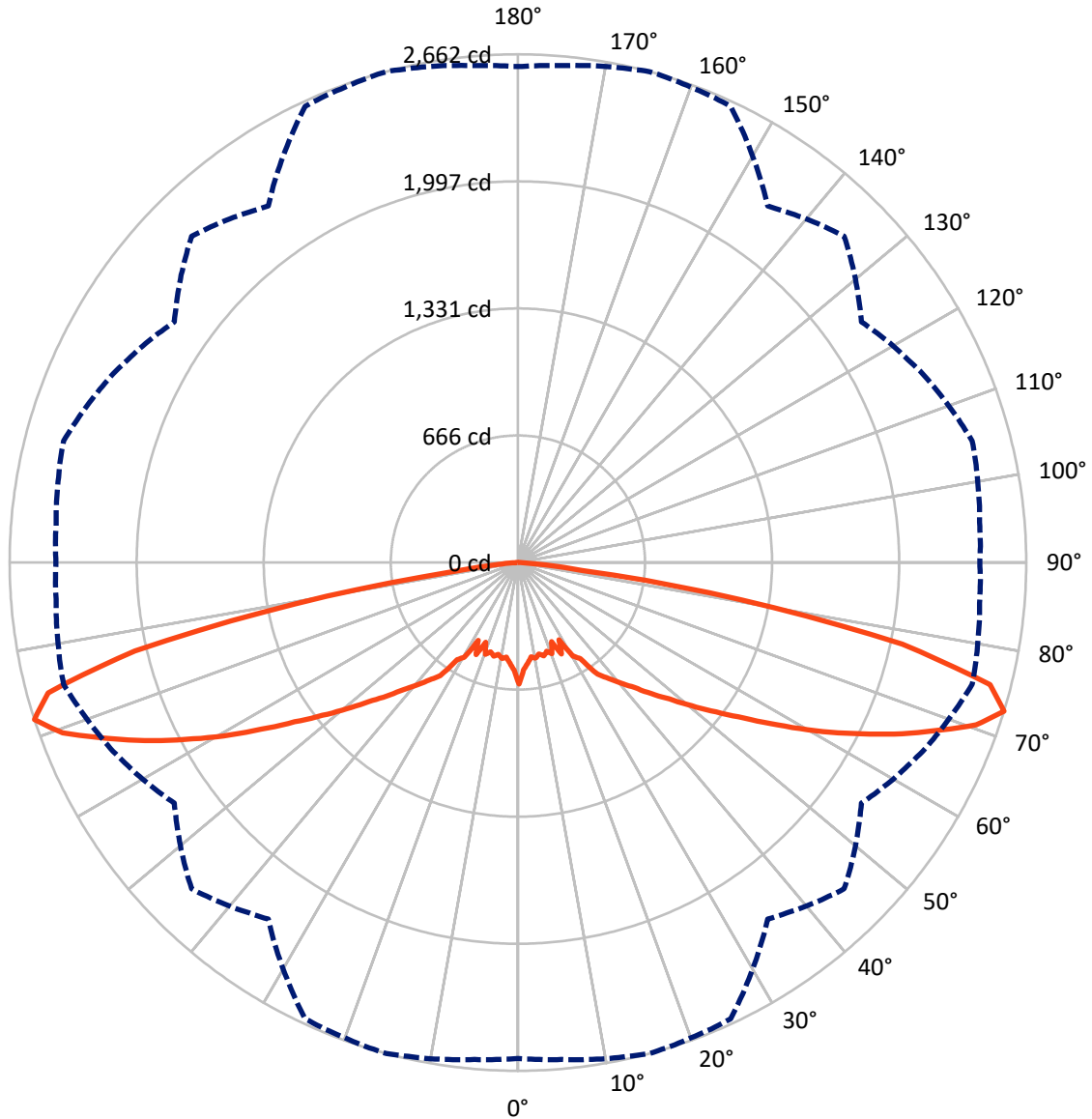
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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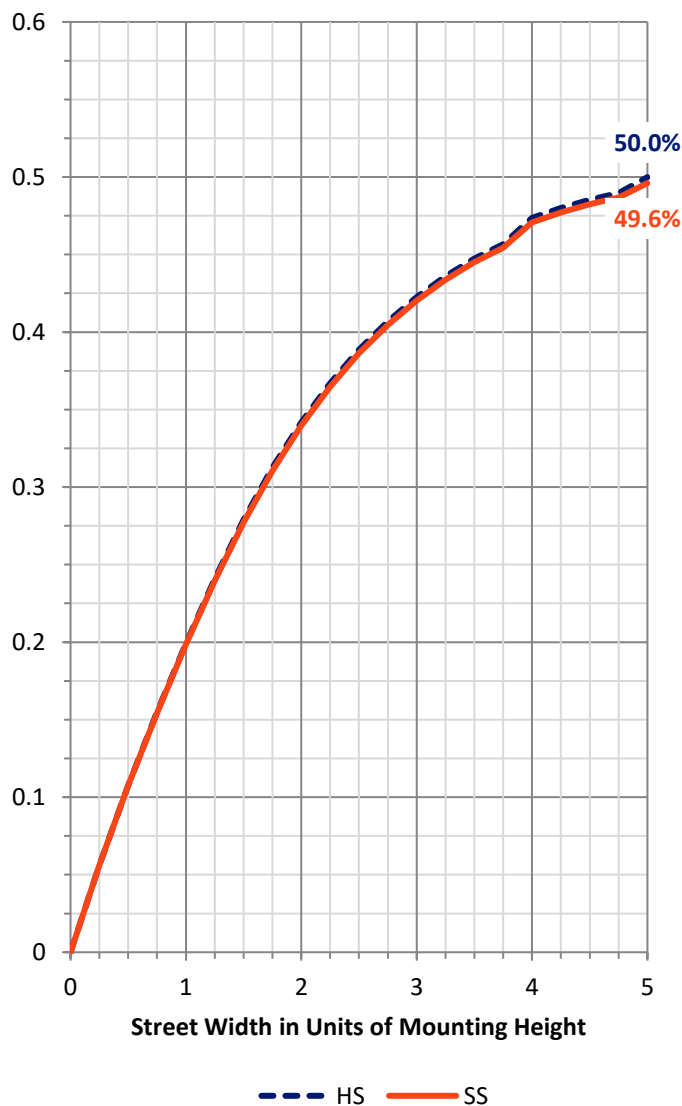
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3671.8	0.0	3671.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3671.8	0.0	3671.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7343.6	0.0	7343.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	0.7
10°-20°	115.9	1.6
20°-30°	206.9	2.8
30°-40°	395.7	5.4
40°-50°	673.9	9.2
50°-60°	1179.6	16.1
60°-70°	1990.5	27.1
70°-80°	2321.7	31.6
80°-90°	409.5	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°	7343.6	100.0
0°-180°	7343.6	100.0

Coefficient of Utilization



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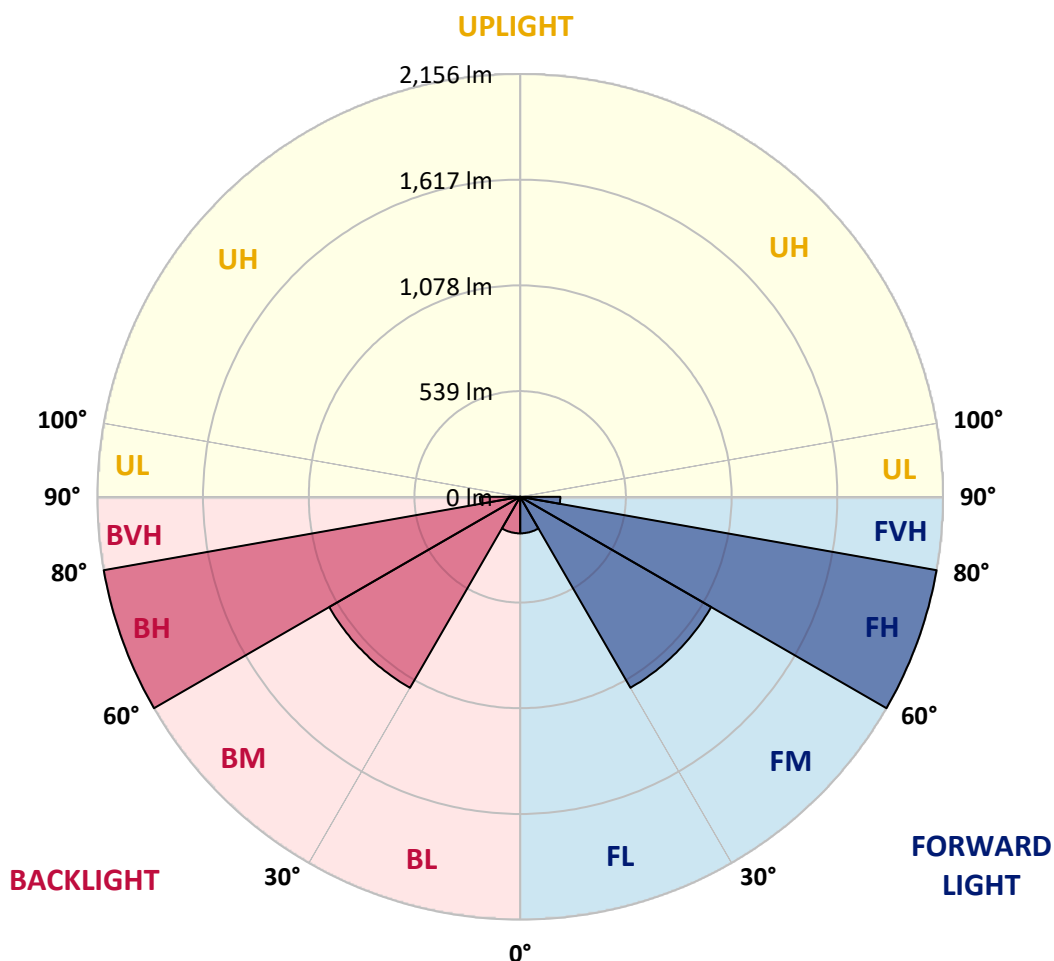
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.3	2.5			
FM (30°-60°)	1124.6	15.3			
FH (60°-80°)	2156.1	29.4			G2/5000
FVH (80°-90°)	204.8	2.8			G2/225
BL (0°-30°)	186.3	2.5	B1/500		
BM (30°-60°)	1124.6	15.3	B2/2500		
BH (60°-80°)	2156.1	29.4	B3/2500		G2/5000
BVH (80°-90°)	204.8	2.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

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°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	563.4	566.0	566.0	566.0	566.0	563.4	563.4	571.2	579.0	586.7	594.5
5°	532.4	532.4	532.4	532.4	532.4	529.8	529.8	529.8	529.8	529.8	529.8
7.5°	454.9	460.1	462.6	473.0	480.7	491.1	498.8	501.4	504.0	504.0	506.6
10°	511.8	511.8	511.8	511.8	511.8	509.2	509.2	504.0	501.4	496.2	491.1
12.5°	449.7	447.1	444.6	457.5	467.8	480.7	491.1	493.7	496.2	498.8	501.4
15°	516.9	516.9	516.9	514.3	511.8	509.2	506.6	488.5	470.4	449.7	431.6
17.5°	439.4	442.0	442.0	454.9	465.2	478.2	488.5	483.3	478.2	470.4	465.2
20°	527.3	527.3	527.3	522.1	519.5	514.3	509.2	478.2	447.1	413.5	382.5
22.5°	447.1	447.1	447.1	447.1	449.7	449.7	449.7	452.3	454.9	457.5	460.1
25°	545.4	547.9	547.9	542.8	540.2	535.0	529.8	504.0	475.6	449.7	421.3
27.5°	470.4	470.4	470.4	467.8	465.2	460.1	457.5	462.6	470.4	475.6	480.7
30°	576.4	576.4	576.4	573.8	573.8	571.2	568.6	542.8	514.3	488.5	460.1
32.5°	700.4	697.8	695.3	672.0	648.7	622.9	599.6	586.7	573.8	558.3	545.4
35°	744.4	744.4	741.8	736.6	731.4	723.7	718.5	692.7	666.8	641.0	615.1
37.5°	788.3	788.3	785.7	783.1	778.0	775.4	770.2	741.8	715.9	687.5	659.1
40°	842.6	845.2	845.2	842.6	837.4	834.8	829.7	798.6	770.2	739.2	708.2
42.5°	909.8	909.8	907.2	904.6	902.0	896.9	894.3	865.8	834.8	806.4	775.4
45°	989.9	989.9	987.3	984.7	984.7	982.1	979.6	953.7	925.3	899.4	871.0
47.5°	1088.1	1085.5	1082.9	1080.4	1075.2	1072.6	1067.4	1039.0	1013.2	984.7	956.3
50°	1191.5	1191.5	1191.5	1188.9	1186.3	1181.2	1178.6	1152.7	1126.9	1098.5	1072.6
52.5°	1302.6	1305.2	1305.2	1305.2	1302.6	1302.6	1300.1	1274.2	1248.4	1219.9	1194.1
55°	1434.5	1434.5	1434.5	1434.5	1437.0	1437.0	1437.0	1411.2	1385.3	1359.5	1333.7
57.5°	1584.4	1594.7	1602.5	1602.5	1602.5	1602.5	1602.5	1576.6	1550.8	1524.9	1499.1
60°	1757.5	1760.1	1762.7	1770.5	1775.6	1783.4	1788.5	1765.3	1742.0	1718.8	1695.5
62.5°	1928.1	1933.3	1935.9	1946.2	1954.0	1964.3	1972.1	1956.5	1938.5	1922.9	1904.9
65°	2103.9	2109.0	2111.6	2124.5	2140.1	2153.0	2165.9	2153.0	2142.6	2129.7	2116.8
67.5°	2290.0	2295.1	2297.7	2310.6	2326.1	2339.1	2352.0	2346.8	2341.6	2336.5	2331.3
70°	2489.0	2491.6	2491.6	2504.5	2520.0	2532.9	2545.8	2543.2	2540.7	2538.1	2535.5
72.5°	2597.5	2605.3	2613.0	2626.0	2638.9	2649.2	2662.1	2657.0	2649.2	2644.0	2636.3
75°	2458.0	2463.1	2468.3	2489.0	2512.2	2532.9	2553.6	2561.3	2571.7	2579.4	2587.2
77.5°	1925.5	1948.8	1969.5	1992.7	2013.4	2036.7	2057.3	2101.3	2142.6	2186.6	2227.9
80°	953.7	966.6	979.6	1031.3	1082.9	1134.6	1186.3	1263.9	1344.0	1421.5	1499.1
82.5°	230.0	230.0	230.0	258.5	284.3	312.7	338.6	408.4	480.7	550.5	620.3
85°	46.5	49.1	51.7	64.6	77.5	87.9	100.8	111.1	121.5	131.8	142.2
87.5°	7.8	7.8	7.8	7.8	10.3	10.3	10.3	12.9	15.5	15.5	18.1
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°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	597.0	602.2	604.8	607.4	610.0	612.6	615.1	617.7	620.3	620.3	622.9
5°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	532.4	535.0	537.6
7.5°	509.2	511.8	514.3	516.9	516.9	516.9	514.3	514.3	511.8	511.8	509.2
10°	478.2	465.2	449.7	436.8	436.8	439.4	439.4	439.4	431.6	426.5	418.7
12.5°	491.1	480.7	467.8	457.5	439.4	423.9	405.8	387.7	382.5	377.4	372.2
15°	416.1	403.2	387.7	372.2	364.4	354.1	346.3	336.0	333.4	330.8	325.7
17.5°	452.3	439.4	423.9	411.0	385.1	359.3	333.4	307.6	320.5	336.0	348.9
20°	385.1	385.1	387.7	387.7	387.7	385.1	385.1	382.5	374.8	364.4	356.7
22.5°	439.4	416.1	395.4	372.2	377.4	382.5	387.7	392.9	379.9	367.0	351.5
25°	429.0	436.8	442.0	449.7	429.0	408.4	385.1	364.4	374.8	385.1	395.4
27.5°	465.2	449.7	431.6	416.1	423.9	431.6	436.8	444.6	431.6	418.7	405.8
30°	462.6	465.2	465.2	467.8	457.5	444.6	434.2	421.3	426.5	434.2	439.4
32.5°	529.8	511.8	496.2	478.2	478.2	478.2	475.6	475.6	475.6	478.2	478.2
35°	591.9	571.2	547.9	524.7	519.5	516.9	511.8	506.6	511.8	516.9	522.1
37.5°	635.8	610.0	586.7	560.9	558.3	555.7	550.5	547.9	547.9	547.9	547.9
40°	684.9	661.7	638.4	615.1	610.0	604.8	597.0	591.9	589.3	586.7	581.5
42.5°	752.1	726.3	703.0	677.2	669.4	659.1	651.3	641.0	638.4	635.8	630.6
45°	840.0	806.4	775.4	741.8	731.4	723.7	713.4	703.0	700.4	695.3	692.7
47.5°	920.1	886.5	850.3	814.1	809.0	801.2	796.1	788.3	783.1	775.4	770.2
50°	1028.7	982.1	938.2	891.7	891.7	889.1	889.1	886.5	876.2	865.8	855.5
52.5°	1150.1	1103.6	1059.7	1013.2	1008.0	1005.4	1000.2	995.1	984.7	974.4	961.5
55°	1287.1	1240.6	1194.1	1147.6	1145.0	1145.0	1142.4	1139.8	1124.3	1108.8	1093.3
57.5°	1452.5	1408.6	1362.1	1315.6	1318.1	1318.1	1320.7	1320.7	1300.1	1279.4	1256.1
60°	1643.8	1592.1	1537.8	1486.1	1493.9	1504.2	1512.0	1519.7	1493.9	1468.1	1439.6
62.5°	1853.2	1798.9	1747.2	1692.9	1708.4	1723.9	1736.9	1752.4	1713.6	1674.8	1636.1
65°	2054.8	1992.7	1930.7	1868.7	1897.1	1928.1	1956.5	1985.0	1938.5	1891.9	1845.4
67.5°	2258.9	2189.2	2116.8	2044.4	2078.0	2111.6	2145.2	2178.8	2132.3	2083.2	2036.7
70°	2447.6	2359.7	2271.9	2184.0	2217.6	2251.2	2284.8	2318.4	2274.5	2230.5	2186.6
72.5°	2548.4	2458.0	2370.1	2279.6	2313.2	2349.4	2383.0	2416.6	2362.3	2308.0	2251.2
75°	2509.6	2429.5	2352.0	2271.9	2321.0	2370.1	2419.2	2468.3	2395.9	2321.0	2248.6
77.5°	2189.2	2153.0	2114.2	2075.4	2163.3	2251.2	2339.1	2426.9	2323.6	2217.6	2114.2
80°	1524.9	1553.3	1579.2	1605.0	1731.7	1858.3	1982.4	2109.0	1987.6	1868.7	1747.2
82.5°	700.4	780.5	858.1	938.2	1064.9	1191.5	1315.6	1442.2	1307.8	1173.4	1036.4
85°	168.0	193.8	217.1	243.0	307.6	372.2	436.8	501.4	447.1	392.9	338.6
87.5°	20.7	23.3	23.3	25.8	23.3	23.3	20.7	18.1	20.7	20.7	23.3
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	622.9	625.5	625.5	628.1	628.1	628.1	628.1	625.5	625.5	625.5	628.1
5°	540.2	553.1	563.4	576.4	586.7	591.9	599.6	604.8	610.0	612.6	612.6
7.5°	506.6	501.4	493.7	488.5	480.7	491.1	504.0	514.3	524.7	527.3	529.8
10°	411.0	408.4	403.2	400.6	395.4	398.0	403.2	405.8	408.4	421.3	436.8
12.5°	367.0	369.6	372.2	374.8	377.4	369.6	361.8	351.5	343.8	356.7	369.6
15°	323.1	323.1	325.7	325.7	325.7	336.0	346.3	356.7	367.0	385.1	405.8
17.5°	361.8	356.7	351.5	343.8	338.6	341.2	341.2	343.8	343.8	354.1	361.8
20°	346.3	338.6	333.4	325.7	317.9	330.8	343.8	356.7	369.6	390.3	411.0
22.5°	338.6	354.1	367.0	382.5	395.4	387.7	379.9	369.6	361.8	361.8	361.8
25°	405.8	392.9	379.9	367.0	354.1	377.4	398.0	421.3	442.0	457.5	470.4
27.5°	392.9	403.2	413.5	421.3	431.6	444.6	457.5	470.4	483.3	506.6	527.3
30°	444.6	457.5	470.4	480.7	493.7	527.3	558.3	591.9	622.9	638.4	653.9
32.5°	478.2	504.0	527.3	553.1	576.4	594.5	612.6	630.6	648.7	664.2	682.3
35°	527.3	547.9	566.0	586.7	604.8	625.5	646.2	664.2	684.9	700.4	715.9
37.5°	547.9	571.2	594.5	615.1	638.4	664.2	687.5	713.4	736.6	749.5	759.9
40°	579.0	607.4	635.8	664.2	692.7	718.5	744.4	770.2	796.1	806.4	816.7
42.5°	628.1	659.1	690.1	718.5	749.5	778.0	803.8	832.2	858.1	868.4	878.8
45°	687.5	718.5	749.5	780.5	811.6	842.6	873.6	904.6	935.6	948.5	961.5
47.5°	762.5	793.5	827.1	858.1	889.1	927.9	964.1	1002.8	1039.0	1049.3	1059.7
50°	845.2	876.2	907.2	938.2	969.2	1018.3	1064.9	1114.0	1160.5	1165.7	1173.4
52.5°	951.1	982.1	1010.6	1041.6	1070.0	1124.3	1178.6	1230.3	1284.5	1287.1	1292.3
55°	1077.8	1106.2	1137.2	1165.7	1194.1	1253.5	1310.4	1369.8	1426.7	1426.7	1429.3
57.5°	1235.4	1266.5	1297.5	1325.9	1356.9	1413.8	1470.6	1524.9	1581.8	1579.2	1576.6
60°	1413.8	1442.2	1468.1	1496.5	1522.3	1576.6	1633.5	1687.7	1742.0	1736.9	1729.1
62.5°	1597.3	1628.3	1659.3	1687.7	1718.8	1762.7	1809.2	1853.2	1897.1	1886.8	1876.4
65°	1798.9	1829.9	1863.5	1894.5	1925.5	1959.1	1995.3	2028.9	2062.5	2052.2	2044.4
67.5°	1987.6	2023.7	2059.9	2093.5	2129.7	2155.6	2181.4	2204.7	2230.5	2217.6	2204.7
70°	2142.6	2173.7	2204.7	2235.7	2266.7	2292.5	2318.4	2344.2	2370.1	2357.2	2344.2
72.5°	2196.9	2233.1	2269.3	2302.9	2339.1	2370.1	2401.1	2432.1	2463.1	2455.4	2445.0
75°	2173.7	2199.5	2225.3	2251.2	2277.0	2300.3	2326.1	2349.4	2372.7	2359.7	2346.8
77.5°	2008.2	2005.7	2000.5	1997.9	1992.7	1992.7	1995.3	1995.3	1995.3	1979.8	1964.3
80°	1625.7	1579.2	1532.7	1486.1	1439.6	1385.3	1331.1	1276.8	1222.5	1170.8	1119.1
82.5°	902.0	796.1	692.7	586.7	480.7	436.8	390.3	346.3	299.8	279.1	255.9
85°	284.3	248.1	211.9	175.8	139.6	131.8	124.1	113.7	106.0	98.2	90.5
87.5°	23.3	20.7	20.7	18.1	15.5	12.9	12.9	10.3	7.8	7.8	7.8
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):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	625.5	625.5	625.5
5°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	612.6	612.6	610.0	604.8
7.5°	529.8	532.4	532.4	529.8	532.4	532.4	529.8	529.8	527.3	524.7	514.3
10°	449.7	462.6	462.6	462.6	462.6	462.6	449.7	436.8	421.3	408.4	405.8
12.5°	382.5	395.4	395.4	395.4	395.4	395.4	382.5	369.6	356.7	343.8	351.5
15°	423.9	442.0	442.0	442.0	442.0	442.0	423.9	405.8	385.1	367.0	356.7
17.5°	372.2	379.9	382.5	382.5	382.5	379.9	372.2	361.8	354.1	343.8	343.8
20°	429.0	449.7	452.3	454.9	452.3	449.7	429.0	411.0	390.3	369.6	356.7
22.5°	359.3	359.3	361.8	361.8	361.8	359.3	359.3	361.8	361.8	361.8	369.6
25°	485.9	498.8	498.8	496.2	498.8	498.8	485.9	470.4	457.5	442.0	421.3
27.5°	550.5	571.2	576.4	579.0	576.4	571.2	550.5	527.3	506.6	483.3	470.4
30°	669.4	684.9	684.9	684.9	684.9	684.9	669.4	653.9	638.4	622.9	591.9
32.5°	697.8	713.4	713.4	713.4	713.4	713.4	697.8	682.3	664.2	648.7	630.6
35°	728.9	744.4	747.0	747.0	747.0	744.4	728.9	715.9	700.4	684.9	664.2
37.5°	772.8	783.1	785.7	788.3	785.7	783.1	772.8	759.9	749.5	736.6	713.4
40°	824.5	834.8	834.8	834.8	834.8	834.8	824.5	816.7	806.4	796.1	770.2
42.5°	889.1	899.4	902.0	904.6	902.0	899.4	889.1	878.8	868.4	858.1	832.2
45°	971.8	984.7	987.3	989.9	987.3	984.7	971.8	961.5	948.5	935.6	904.6
47.5°	1070.0	1080.4	1080.4	1080.4	1080.4	1080.4	1070.0	1059.7	1049.3	1039.0	1002.8
50°	1178.6	1183.7	1186.3	1186.3	1186.3	1183.7	1178.6	1173.4	1165.7	1160.5	1114.0
52.5°	1294.9	1297.5	1297.5	1294.9	1297.5	1297.5	1294.9	1292.3	1287.1	1284.5	1230.3
55°	1429.3	1429.3	1426.7	1421.5	1426.7	1429.3	1429.3	1429.3	1426.7	1426.7	1369.8
57.5°	1574.0	1571.4	1571.4	1568.9	1571.4	1571.4	1574.0	1576.6	1579.2	1581.8	1524.9
60°	1723.9	1716.2	1713.6	1708.4	1713.6	1716.2	1723.9	1729.1	1736.9	1742.0	1687.7
62.5°	1866.1	1855.7	1855.7	1855.7	1855.7	1855.7	1866.1	1876.4	1886.8	1897.1	1853.2
65°	2034.1	2023.7	2018.6	2013.4	2018.6	2023.7	2034.1	2044.4	2052.2	2062.5	2028.9
67.5°	2191.7	2178.8	2173.7	2165.9	2173.7	2178.8	2191.7	2204.7	2217.6	2230.5	2204.7
70°	2328.7	2315.8	2313.2	2310.6	2313.2	2315.8	2328.7	2344.2	2357.2	2370.1	2344.2
72.5°	2437.3	2426.9	2424.4	2419.2	2424.4	2426.9	2437.3	2445.0	2455.4	2463.1	2432.1
75°	2333.9	2321.0	2313.2	2302.9	2313.2	2321.0	2333.9	2346.8	2359.7	2372.7	2349.4
77.5°	1948.8	1933.3	1928.1	1920.4	1928.1	1933.3	1948.8	1964.3	1979.8	1995.3	1995.3
80°	1067.4	1015.7	1002.8	987.3	1002.8	1015.7	1067.4	1119.1	1170.8	1222.5	1276.8
82.5°	235.2	211.9	204.2	193.8	204.2	211.9	235.2	255.9	279.1	299.8	346.3
85°	80.1	72.4	67.2	62.0	67.2	72.4	80.1	90.5	98.2	106.0	113.7
87.5°	7.8	7.8	7.8	5.2	7.8	7.8	7.8	7.8	7.8	7.8	10.3
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):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	628.1	628.1	628.1	628.1	625.5	625.5	622.9	622.9	620.3	620.3	617.7
5°	599.6	591.9	586.7	576.4	563.4	553.1	540.2	537.6	535.0	532.4	529.8
7.5°	504.0	491.1	480.7	488.5	493.7	501.4	506.6	509.2	511.8	511.8	514.3
10°	403.2	398.0	395.4	400.6	403.2	408.4	411.0	418.7	426.5	431.6	439.4
12.5°	361.8	369.6	377.4	374.8	372.2	369.6	367.0	372.2	377.4	382.5	387.7
15°	346.3	336.0	325.7	325.7	325.7	323.1	323.1	325.7	330.8	333.4	336.0
17.5°	341.2	341.2	338.6	343.8	351.5	356.7	361.8	348.9	336.0	320.5	307.6
20°	343.8	330.8	317.9	325.7	333.4	338.6	346.3	356.7	364.4	374.8	382.5
22.5°	379.9	387.7	395.4	382.5	367.0	354.1	338.6	351.5	367.0	379.9	392.9
25°	398.0	377.4	354.1	367.0	379.9	392.9	405.8	395.4	385.1	374.8	364.4
27.5°	457.5	444.6	431.6	421.3	413.5	403.2	392.9	405.8	418.7	431.6	444.6
30°	558.3	527.3	493.7	480.7	470.4	457.5	444.6	439.4	434.2	426.5	421.3
32.5°	612.6	594.5	576.4	553.1	527.3	504.0	478.2	478.2	478.2	475.6	475.6
35°	646.2	625.5	604.8	586.7	566.0	547.9	527.3	522.1	516.9	511.8	506.6
37.5°	687.5	664.2	638.4	615.1	594.5	571.2	547.9	547.9	547.9	547.9	547.9
40°	744.4	718.5	692.7	664.2	635.8	607.4	579.0	581.5	586.7	589.3	591.9
42.5°	803.8	778.0	749.5	718.5	690.1	659.1	628.1	630.6	635.8	638.4	641.0
45°	873.6	842.6	811.6	780.5	749.5	718.5	687.5	692.7	695.3	700.4	703.0
47.5°	964.1	927.9	889.1	858.1	827.1	793.5	762.5	770.2	775.4	783.1	788.3
50°	1064.9	1018.3	969.2	938.2	907.2	876.2	845.2	855.5	865.8	876.2	886.5
52.5°	1178.6	1124.3	1070.0	1041.6	1010.6	982.1	951.1	961.5	974.4	984.7	995.1
55°	1310.4	1253.5	1194.1	1165.7	1137.2	1106.2	1077.8	1093.3	1108.8	1124.3	1139.8
57.5°	1470.6	1413.8	1356.9	1325.9	1297.5	1266.5	1235.4	1256.1	1279.4	1300.1	1320.7
60°	1633.5	1576.6	1522.3	1496.5	1468.1	1442.2	1413.8	1439.6	1468.1	1493.9	1519.7
62.5°	1809.2	1762.7	1718.8	1687.7	1659.3	1628.3	1597.3	1636.1	1674.8	1713.6	1752.4
65°	1995.3	1959.1	1925.5	1894.5	1863.5	1829.9	1798.9	1845.4	1891.9	1938.5	1985.0
67.5°	2181.4	2155.6	2129.7	2093.5	2059.9	2023.7	1987.6	2036.7	2083.2	2132.3	2178.8
70°	2318.4	2292.5	2266.7	2235.7	2204.7	2173.7	2142.6	2186.6	2230.5	2274.5	2318.4
72.5°	2401.1	2370.1	2339.1	2302.9	2269.3	2233.1	2196.9	2251.2	2308.0	2362.3	2416.6
75°	2326.1	2300.3	2277.0	2251.2	2225.3	2199.5	2173.7	2248.6	2321.0	2395.9	2468.3
77.5°	1995.3	1992.7	1992.7	1997.9	2000.5	2005.7	2008.2	2114.2	2217.6	2323.6	2426.9
80°	1331.1	1385.3	1439.6	1486.1	1532.7	1579.2	1625.7	1747.2	1868.7	1987.6	2109.0
82.5°	390.3	436.8	480.7	586.7	692.7	796.1	902.0	1036.4	1173.4	1307.8	1442.2
85°	124.1	131.8	139.6	175.8	211.9	248.1	284.3	338.6	392.9	447.1	501.4
87.5°	12.9	12.9	15.5	18.1	20.7	20.7	23.3	23.3	20.7	20.7	18.1
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°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	615.1	612.6	610.0	607.4	604.8	602.2	597.0	594.5	586.7	579.0	571.2
5°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
7.5°	514.3	516.9	516.9	516.9	514.3	511.8	509.2	506.6	504.0	504.0	501.4
10°	439.4	439.4	436.8	436.8	449.7	465.2	478.2	491.1	496.2	501.4	504.0
12.5°	405.8	423.9	439.4	457.5	467.8	480.7	491.1	501.4	498.8	496.2	493.7
15°	346.3	354.1	364.4	372.2	387.7	403.2	416.1	431.6	449.7	470.4	488.5
17.5°	333.4	359.3	385.1	411.0	423.9	439.4	452.3	465.2	470.4	478.2	483.3
20°	385.1	385.1	387.7	387.7	387.7	385.1	385.1	382.5	413.5	447.1	478.2
22.5°	387.7	382.5	377.4	372.2	395.4	416.1	439.4	460.1	457.5	454.9	452.3
25°	385.1	408.4	429.0	449.7	442.0	436.8	429.0	421.3	449.7	475.6	504.0
27.5°	436.8	431.6	423.9	416.1	431.6	449.7	465.2	480.7	475.6	470.4	462.6
30°	434.2	444.6	457.5	467.8	465.2	465.2	462.6	460.1	488.5	514.3	542.8
32.5°	475.6	478.2	478.2	478.2	496.2	511.8	529.8	545.4	558.3	573.8	586.7
35°	511.8	516.9	519.5	524.7	547.9	571.2	591.9	615.1	641.0	666.8	692.7
37.5°	550.5	555.7	558.3	560.9	586.7	610.0	635.8	659.1	687.5	715.9	741.8
40°	597.0	604.8	610.0	615.1	638.4	661.7	684.9	708.2	739.2	770.2	798.6
42.5°	651.3	659.1	669.4	677.2	703.0	726.3	752.1	775.4	806.4	834.8	865.8
45°	713.4	723.7	731.4	741.8	775.4	806.4	840.0	871.0	899.4	925.3	953.7
47.5°	796.1	801.2	809.0	814.1	850.3	886.5	920.1	956.3	984.7	1013.2	1039.0
50°	889.1	889.1	891.7	891.7	938.2	982.1	1028.7	1072.6	1098.5	1126.9	1152.7
52.5°	1000.2	1005.4	1008.0	1013.2	1059.7	1103.6	1150.1	1194.1	1219.9	1248.4	1274.2
55°	1142.4	1145.0	1145.0	1147.6	1194.1	1240.6	1287.1	1333.7	1359.5	1385.3	1411.2
57.5°	1320.7	1318.1	1318.1	1315.6	1362.1	1408.6	1452.5	1499.1	1524.9	1550.8	1576.6
60°	1512.0	1504.2	1493.9	1486.1	1537.8	1592.1	1643.8	1695.5	1718.8	1742.0	1765.3
62.5°	1736.9	1723.9	1708.4	1692.9	1747.2	1798.9	1853.2	1904.9	1922.9	1938.5	1956.5
65°	1956.5	1928.1	1897.1	1868.7	1930.7	1992.7	2054.8	2116.8	2129.7	2142.6	2153.0
67.5°	2145.2	2111.6	2078.0	2044.4	2116.8	2189.2	2258.9	2331.3	2336.5	2341.6	2346.8
70°	2284.8	2251.2	2217.6	2184.0	2271.9	2359.7	2447.6	2535.5	2538.1	2540.7	2543.2
72.5°	2383.0	2349.4	2313.2	2279.6	2370.1	2458.0	2548.4	2636.3	2644.0	2649.2	2657.0
75°	2419.2	2370.1	2321.0	2271.9	2352.0	2429.5	2509.6	2587.2	2579.4	2571.7	2561.3
77.5°	2339.1	2251.2	2163.3	2075.4	2114.2	2153.0	2189.2	2227.9	2186.6	2142.6	2101.3
80°	1982.4	1858.3	1731.7	1605.0	1579.2	1553.3	1524.9	1499.1	1421.5	1344.0	1263.9
82.5°	1315.6	1191.5	1064.9	938.2	858.1	780.5	700.4	620.3	550.5	480.7	408.4
85°	436.8	372.2	307.6	243.0	217.1	193.8	168.0	142.2	131.8	121.5	111.1
87.5°	20.7	23.3	23.3	25.8	23.3	23.3	20.7	18.1	15.5	15.5	12.9
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°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	563.4	563.4	566.0	566.0	566.0	566.0	563.4	566.0	566.0	566.0	566.0
5°	529.8	529.8	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4
7.5°	498.8	491.1	480.7	473.0	462.6	460.1	454.9	460.1	462.6	473.0	480.7
10°	509.2	509.2	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
12.5°	491.1	480.7	467.8	457.5	444.6	447.1	449.7	447.1	444.6	457.5	467.8
15°	506.6	509.2	511.8	514.3	516.9	516.9	516.9	516.9	516.9	514.3	511.8
17.5°	488.5	478.2	465.2	454.9	442.0	442.0	439.4	442.0	442.0	454.9	465.2
20°	509.2	514.3	519.5	522.1	527.3	527.3	527.3	527.3	527.3	522.1	519.5
22.5°	449.7	449.7	449.7	447.1	447.1	447.1	447.1	447.1	447.1	447.1	449.7
25°	529.8	535.0	540.2	542.8	547.9	547.9	545.4	547.9	547.9	542.8	540.2
27.5°	457.5	460.1	465.2	467.8	470.4	470.4	470.4	470.4	470.4	467.8	465.2
30°	568.6	571.2	573.8	573.8	576.4	576.4	576.4	576.4	576.4	573.8	573.8
32.5°	599.6	622.9	648.7	672.0	695.3	697.8	700.4	697.8	695.3	672.0	648.7
35°	718.5	723.7	731.4	736.6	741.8	744.4	744.4	744.4	741.8	736.6	731.4
37.5°	770.2	775.4	778.0	783.1	785.7	788.3	788.3	788.3	785.7	783.1	778.0
40°	829.7	834.8	837.4	842.6	845.2	845.2	842.6	845.2	845.2	842.6	837.4
42.5°	894.3	896.9	902.0	904.6	907.2	909.8	909.8	909.8	907.2	904.6	902.0
45°	979.6	982.1	984.7	984.7	987.3	989.9	989.9	989.9	987.3	984.7	984.7
47.5°	1067.4	1072.6	1075.2	1080.4	1082.9	1085.5	1088.1	1085.5	1082.9	1080.4	1075.2
50°	1178.6	1181.2	1186.3	1188.9	1191.5	1191.5	1191.5	1191.5	1191.5	1188.9	1186.3
52.5°	1300.1	1302.6	1302.6	1305.2	1305.2	1305.2	1302.6	1305.2	1305.2	1305.2	1302.6
55°	1437.0	1437.0	1437.0	1434.5	1434.5	1434.5	1434.5	1434.5	1434.5	1434.5	1437.0
57.5°	1602.5	1602.5	1602.5	1602.5	1602.5	1594.7	1584.4	1594.7	1602.5	1602.5	1602.5
60°	1788.5	1783.4	1775.6	1770.5	1762.7	1760.1	1757.5	1760.1	1762.7	1770.5	1775.6
62.5°	1972.1	1964.3	1954.0	1946.2	1935.9	1933.3	1928.1	1933.3	1935.9	1946.2	1954.0
65°	2165.9	2153.0	2140.1	2124.5	2111.6	2109.0	2103.9	2109.0	2111.6	2124.5	2140.1
67.5°	2352.0	2339.1	2326.1	2310.6	2297.7	2295.1	2290.0	2295.1	2297.7	2310.6	2326.1
70°	2545.8	2532.9	2520.0	2504.5	2491.6	2491.6	2489.0	2491.6	2491.6	2504.5	2520.0
72.5°	2662.1	2649.2	2638.9	2626.0	2613.0	2605.3	2597.5	2605.3	2613.0	2626.0	2638.9
75°	2553.6	2532.9	2512.2	2489.0	2468.3	2463.1	2458.0	2463.1	2468.3	2489.0	2512.2
77.5°	2057.3	2036.7	2013.4	1992.7	1969.5	1948.8	1925.5	1948.8	1969.5	1992.7	2013.4
80°	1186.3	1134.6	1082.9	1031.3	979.6	966.6	953.7	966.6	979.6	1031.3	1082.9
82.5°	338.6	312.7	284.3	258.5	230.0	230.0	230.0	230.0	230.0	258.5	284.3
85°	100.8	87.9	77.5	64.6	51.7	49.1	46.5	49.1	51.7	64.6	77.5
87.5°	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	10.3
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):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	563.4	563.4	571.2	579.0	586.7	594.5	597.0	602.2	604.8	607.4	610.0
5°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
7.5°	491.1	498.8	501.4	504.0	504.0	506.6	509.2	511.8	514.3	516.9	516.9
10°	509.2	509.2	504.0	501.4	496.2	491.1	478.2	465.2	449.7	436.8	436.8
12.5°	480.7	491.1	493.7	496.2	498.8	501.4	491.1	480.7	467.8	457.5	439.4
15°	509.2	506.6	488.5	470.4	449.7	431.6	416.1	403.2	387.7	372.2	364.4
17.5°	478.2	488.5	483.3	478.2	470.4	465.2	452.3	439.4	423.9	411.0	385.1
20°	514.3	509.2	478.2	447.1	413.5	382.5	385.1	385.1	387.7	387.7	387.7
22.5°	449.7	449.7	452.3	454.9	457.5	460.1	439.4	416.1	395.4	372.2	377.4
25°	535.0	529.8	504.0	475.6	449.7	421.3	429.0	436.8	442.0	449.7	429.0
27.5°	460.1	457.5	462.6	470.4	475.6	480.7	465.2	449.7	431.6	416.1	423.9
30°	571.2	568.6	542.8	514.3	488.5	460.1	462.6	465.2	465.2	467.8	457.5
32.5°	622.9	599.6	586.7	573.8	558.3	545.4	529.8	511.8	496.2	478.2	478.2
35°	723.7	718.5	692.7	666.8	641.0	615.1	591.9	571.2	547.9	524.7	519.5
37.5°	775.4	770.2	741.8	715.9	687.5	659.1	635.8	610.0	586.7	560.9	558.3
40°	834.8	829.7	798.6	770.2	739.2	708.2	684.9	661.7	638.4	615.1	610.0
42.5°	896.9	894.3	865.8	834.8	806.4	775.4	752.1	726.3	703.0	677.2	669.4
45°	982.1	979.6	953.7	925.3	899.4	871.0	840.0	806.4	775.4	741.8	731.4
47.5°	1072.6	1067.4	1039.0	1013.2	984.7	956.3	920.1	886.5	850.3	814.1	809.0
50°	1181.2	1178.6	1152.7	1126.9	1098.5	1072.6	1028.7	982.1	938.2	891.7	891.7
52.5°	1302.6	1300.1	1274.2	1248.4	1219.9	1194.1	1150.1	1103.6	1059.7	1013.2	1008.0
55°	1437.0	1437.0	1411.2	1385.3	1359.5	1333.7	1287.1	1240.6	1194.1	1147.6	1145.0
57.5°	1602.5	1602.5	1576.6	1550.8	1524.9	1499.1	1452.5	1408.6	1362.1	1315.6	1318.1
60°	1783.4	1788.5	1765.3	1742.0	1718.8	1695.5	1643.8	1592.1	1537.8	1486.1	1493.9
62.5°	1964.3	1972.1	1956.5	1938.5	1922.9	1904.9	1853.2	1798.9	1747.2	1692.9	1708.4
65°	2153.0	2165.9	2153.0	2142.6	2129.7	2116.8	2054.8	1992.7	1930.7	1868.7	1897.1
67.5°	2339.1	2352.0	2346.8	2341.6	2336.5	2331.3	2258.9	2189.2	2116.8	2044.4	2078.0
70°	2532.9	2545.8	2543.2	2540.7	2538.1	2535.5	2447.6	2359.7	2271.9	2184.0	2217.6
72.5°	2649.2	2662.1	2657.0	2649.2	2644.0	2636.3	2548.4	2458.0	2370.1	2279.6	2313.2
75°	2532.9	2553.6	2561.3	2571.7	2579.4	2587.2	2509.6	2429.5	2352.0	2271.9	2321.0
77.5°	2036.7	2057.3	2101.3	2142.6	2186.6	2227.9	2189.2	2153.0	2114.2	2075.4	2163.3
80°	1134.6	1186.3	1263.9	1344.0	1421.5	1499.1	1524.9	1553.3	1579.2	1605.0	1731.7
82.5°	312.7	338.6	408.4	480.7	550.5	620.3	700.4	780.5	858.1	938.2	1064.9
85°	87.9	100.8	111.1	121.5	131.8	142.2	168.0	193.8	217.1	243.0	307.6
87.5°	10.3	10.3	12.9	15.5	15.5	18.1	20.7	23.3	23.3	25.8	23.3
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):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	612.6	615.1	617.7	620.3	620.3	622.9	622.9	625.5	625.5	628.1	628.1
5°	529.8	529.8	529.8	532.4	535.0	537.6	540.2	553.1	563.4	576.4	586.7
7.5°	516.9	514.3	514.3	511.8	511.8	509.2	506.6	501.4	493.7	488.5	480.7
10°	439.4	439.4	439.4	431.6	426.5	418.7	411.0	408.4	403.2	400.6	395.4
12.5°	423.9	405.8	387.7	382.5	377.4	372.2	367.0	369.6	372.2	374.8	377.4
15°	354.1	346.3	336.0	333.4	330.8	325.7	323.1	323.1	325.7	325.7	325.7
17.5°	359.3	333.4	307.6	320.5	336.0	348.9	361.8	356.7	351.5	343.8	338.6
20°	385.1	385.1	382.5	374.8	364.4	356.7	346.3	338.6	333.4	325.7	317.9
22.5°	382.5	387.7	392.9	379.9	367.0	351.5	338.6	354.1	367.0	382.5	395.4
25°	408.4	385.1	364.4	374.8	385.1	395.4	405.8	392.9	379.9	367.0	354.1
27.5°	431.6	436.8	444.6	431.6	418.7	405.8	392.9	403.2	413.5	421.3	431.6
30°	444.6	434.2	421.3	426.5	434.2	439.4	444.6	457.5	470.4	480.7	493.7
32.5°	478.2	475.6	475.6	475.6	478.2	478.2	478.2	504.0	527.3	553.1	576.4
35°	516.9	511.8	506.6	511.8	516.9	522.1	527.3	547.9	566.0	586.7	604.8
37.5°	555.7	550.5	547.9	547.9	547.9	547.9	547.9	571.2	594.5	615.1	638.4
40°	604.8	597.0	591.9	589.3	586.7	581.5	579.0	607.4	635.8	664.2	692.7
42.5°	659.1	651.3	641.0	638.4	635.8	630.6	628.1	659.1	690.1	718.5	749.5
45°	723.7	713.4	703.0	700.4	695.3	692.7	687.5	718.5	749.5	780.5	811.6
47.5°	801.2	796.1	788.3	783.1	775.4	770.2	762.5	793.5	827.1	858.1	889.1
50°	889.1	889.1	886.5	876.2	865.8	855.5	845.2	876.2	907.2	938.2	969.2
52.5°	1005.4	1000.2	995.1	984.7	974.4	961.5	951.1	982.1	1010.6	1041.6	1070.0
55°	1145.0	1142.4	1139.8	1124.3	1108.8	1093.3	1077.8	1106.2	1137.2	1165.7	1194.1
57.5°	1318.1	1320.7	1320.7	1300.1	1279.4	1256.1	1235.4	1266.5	1297.5	1325.9	1356.9
60°	1504.2	1512.0	1519.7	1493.9	1468.1	1439.6	1413.8	1442.2	1468.1	1496.5	1522.3
62.5°	1723.9	1736.9	1752.4	1713.6	1674.8	1636.1	1597.3	1628.3	1659.3	1687.7	1718.8
65°	1928.1	1956.5	1985.0	1938.5	1891.9	1845.4	1798.9	1829.9	1863.5	1894.5	1925.5
67.5°	2111.6	2145.2	2178.8	2132.3	2083.2	2036.7	1987.6	2023.7	2059.9	2093.5	2129.7
70°	2251.2	2284.8	2318.4	2274.5	2230.5	2186.6	2142.6	2173.7	2204.7	2235.7	2266.7
72.5°	2349.4	2383.0	2416.6	2362.3	2308.0	2251.2	2196.9	2233.1	2269.3	2302.9	2339.1
75°	2370.1	2419.2	2468.3	2395.9	2321.0	2248.6	2173.7	2199.5	2225.3	2251.2	2277.0
77.5°	2251.2	2339.1	2426.9	2323.6	2217.6	2114.2	2008.2	2005.7	2000.5	1997.9	1992.7
80°	1858.3	1982.4	2109.0	1987.6	1868.7	1747.2	1625.7	1579.2	1532.7	1486.1	1439.6
82.5°	1191.5	1315.6	1442.2	1307.8	1173.4	1036.4	902.0	796.1	692.7	586.7	480.7
85°	372.2	436.8	501.4	447.1	392.9	338.6	284.3	248.1	211.9	175.8	139.6
87.5°	23.3	20.7	18.1	20.7	20.7	23.3	23.3	20.7	20.7	18.1	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



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	628.1	628.1	625.5	625.5	625.5	628.1	628.1	628.1	628.1	628.1	628.1
5°	591.9	599.6	604.8	610.0	612.6	612.6	615.1	615.1	615.1	615.1	615.1
7.5°	491.1	504.0	514.3	524.7	527.3	529.8	529.8	532.4	532.4	529.8	532.4
10°	398.0	403.2	405.8	408.4	421.3	436.8	449.7	462.6	462.6	462.6	462.6
12.5°	369.6	361.8	351.5	343.8	356.7	369.6	382.5	395.4	395.4	395.4	395.4
15°	336.0	346.3	356.7	367.0	385.1	405.8	423.9	442.0	442.0	442.0	442.0
17.5°	341.2	341.2	343.8	343.8	354.1	361.8	372.2	379.9	382.5	382.5	382.5
20°	330.8	343.8	356.7	369.6	390.3	411.0	429.0	449.7	452.3	454.9	452.3
22.5°	387.7	379.9	369.6	361.8	361.8	361.8	359.3	359.3	361.8	361.8	361.8
25°	377.4	398.0	421.3	442.0	457.5	470.4	485.9	498.8	498.8	496.2	498.8
27.5°	444.6	457.5	470.4	483.3	506.6	527.3	550.5	571.2	576.4	579.0	576.4
30°	527.3	558.3	591.9	622.9	638.4	653.9	669.4	684.9	684.9	684.9	684.9
32.5°	594.5	612.6	630.6	648.7	664.2	682.3	697.8	713.4	713.4	713.4	713.4
35°	625.5	646.2	664.2	684.9	700.4	715.9	728.9	744.4	747.0	747.0	747.0
37.5°	664.2	687.5	713.4	736.6	749.5	759.9	772.8	783.1	785.7	788.3	785.7
40°	718.5	744.4	770.2	796.1	806.4	816.7	824.5	834.8	834.8	834.8	834.8
42.5°	778.0	803.8	832.2	858.1	868.4	878.8	889.1	899.4	902.0	904.6	902.0
45°	842.6	873.6	904.6	935.6	948.5	961.5	971.8	984.7	987.3	989.9	987.3
47.5°	927.9	964.1	1002.8	1039.0	1049.3	1059.7	1070.0	1080.4	1080.4	1080.4	1080.4
50°	1018.3	1064.9	1114.0	1160.5	1165.7	1173.4	1178.6	1183.7	1186.3	1186.3	1186.3
52.5°	1124.3	1178.6	1230.3	1284.5	1287.1	1292.3	1294.9	1297.5	1297.5	1294.9	1297.5
55°	1253.5	1310.4	1369.8	1426.7	1426.7	1429.3	1429.3	1429.3	1426.7	1421.5	1426.7
57.5°	1413.8	1470.6	1524.9	1581.8	1579.2	1576.6	1574.0	1571.4	1571.4	1568.9	1571.4
60°	1576.6	1633.5	1687.7	1742.0	1736.9	1729.1	1723.9	1716.2	1713.6	1708.4	1713.6
62.5°	1762.7	1809.2	1853.2	1897.1	1886.8	1876.4	1866.1	1855.7	1855.7	1855.7	1855.7
65°	1959.1	1995.3	2028.9	2062.5	2052.2	2044.4	2034.1	2023.7	2018.6	2013.4	2018.6
67.5°	2155.6	2181.4	2204.7	2230.5	2217.6	2204.7	2191.7	2178.8	2173.7	2165.9	2173.7
70°	2292.5	2318.4	2344.2	2370.1	2357.2	2344.2	2328.7	2315.8	2313.2	2310.6	2313.2
72.5°	2370.1	2401.1	2432.1	2463.1	2455.4	2445.0	2437.3	2426.9	2424.4	2419.2	2424.4
75°	2300.3	2326.1	2349.4	2372.7	2359.7	2346.8	2333.9	2321.0	2313.2	2302.9	2313.2
77.5°	1992.7	1995.3	1995.3	1995.3	1979.8	1964.3	1948.8	1933.3	1928.1	1920.4	1928.1
80°	1385.3	1331.1	1276.8	1222.5	1170.8	1119.1	1067.4	1015.7	1002.8	987.3	1002.8
82.5°	436.8	390.3	346.3	299.8	279.1	255.9	235.2	211.9	204.2	193.8	204.2
85°	131.8	124.1	113.7	106.0	98.2	90.5	80.1	72.4	67.2	62.0	67.2
87.5°	12.9	12.9	10.3	7.8	7.8	7.8	7.8	7.8	7.8	5.2	7.8
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):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	628.1	628.1	628.1	625.5	625.5	625.5	628.1	628.1	628.1	628.1	625.5
5°	615.1	615.1	612.6	612.6	610.0	604.8	599.6	591.9	586.7	576.4	563.4
7.5°	532.4	529.8	529.8	527.3	524.7	514.3	504.0	491.1	480.7	488.5	493.7
10°	462.6	449.7	436.8	421.3	408.4	405.8	403.2	398.0	395.4	400.6	403.2
12.5°	395.4	382.5	369.6	356.7	343.8	351.5	361.8	369.6	377.4	374.8	372.2
15°	442.0	423.9	405.8	385.1	367.0	356.7	346.3	336.0	325.7	325.7	325.7
17.5°	379.9	372.2	361.8	354.1	343.8	343.8	341.2	341.2	338.6	343.8	351.5
20°	449.7	429.0	411.0	390.3	369.6	356.7	343.8	330.8	317.9	325.7	333.4
22.5°	359.3	359.3	361.8	361.8	361.8	369.6	379.9	387.7	395.4	382.5	367.0
25°	498.8	485.9	470.4	457.5	442.0	421.3	398.0	377.4	354.1	367.0	379.9
27.5°	571.2	550.5	527.3	506.6	483.3	470.4	457.5	444.6	431.6	421.3	413.5
30°	684.9	669.4	653.9	638.4	622.9	591.9	558.3	527.3	493.7	480.7	470.4
32.5°	713.4	697.8	682.3	664.2	648.7	630.6	612.6	594.5	576.4	553.1	527.3
35°	744.4	728.9	715.9	700.4	684.9	664.2	646.2	625.5	604.8	586.7	566.0
37.5°	783.1	772.8	759.9	749.5	736.6	713.4	687.5	664.2	638.4	615.1	594.5
40°	834.8	824.5	816.7	806.4	796.1	770.2	744.4	718.5	692.7	664.2	635.8
42.5°	899.4	889.1	878.8	868.4	858.1	832.2	803.8	778.0	749.5	718.5	690.1
45°	984.7	971.8	961.5	948.5	935.6	904.6	873.6	842.6	811.6	780.5	749.5
47.5°	1080.4	1070.0	1059.7	1049.3	1039.0	1002.8	964.1	927.9	889.1	858.1	827.1
50°	1183.7	1178.6	1173.4	1165.7	1160.5	1114.0	1064.9	1018.3	969.2	938.2	907.2
52.5°	1297.5	1294.9	1292.3	1287.1	1284.5	1230.3	1178.6	1124.3	1070.0	1041.6	1010.6
55°	1429.3	1429.3	1429.3	1426.7	1426.7	1369.8	1310.4	1253.5	1194.1	1165.7	1137.2
57.5°	1571.4	1574.0	1576.6	1579.2	1581.8	1524.9	1470.6	1413.8	1356.9	1325.9	1297.5
60°	1716.2	1723.9	1729.1	1736.9	1742.0	1687.7	1633.5	1576.6	1522.3	1496.5	1468.1
62.5°	1855.7	1866.1	1876.4	1886.8	1897.1	1853.2	1809.2	1762.7	1718.8	1687.7	1659.3
65°	2023.7	2034.1	2044.4	2052.2	2062.5	2028.9	1995.3	1959.1	1925.5	1894.5	1863.5
67.5°	2178.8	2191.7	2204.7	2217.6	2230.5	2204.7	2181.4	2155.6	2129.7	2093.5	2059.9
70°	2315.8	2328.7	2344.2	2357.2	2370.1	2344.2	2318.4	2292.5	2266.7	2235.7	2204.7
72.5°	2426.9	2437.3	2445.0	2455.4	2463.1	2432.1	2401.1	2370.1	2339.1	2302.9	2269.3
75°	2321.0	2333.9	2346.8	2359.7	2372.7	2349.4	2326.1	2300.3	2277.0	2251.2	2225.3
77.5°	1933.3	1948.8	1964.3	1979.8	1995.3	1995.3	1995.3	1992.7	1992.7	1997.9	2000.5
80°	1015.7	1067.4	1119.1	1170.8	1222.5	1276.8	1331.1	1385.3	1439.6	1486.1	1532.7
82.5°	211.9	235.2	255.9	279.1	299.8	346.3	390.3	436.8	480.7	586.7	692.7
85°	72.4	80.1	90.5	98.2	106.0	113.7	124.1	131.8	139.6	175.8	211.9
87.5°	7.8	7.8	7.8	7.8	7.8	10.3	12.9	12.9	15.5	18.1	20.7
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°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	625.5	622.9	622.9	620.3	620.3	617.7	615.1	612.6	610.0	607.4	604.8
5°	553.1	540.2	537.6	535.0	532.4	529.8	529.8	529.8	529.8	529.8	529.8
7.5°	501.4	506.6	509.2	511.8	511.8	514.3	514.3	516.9	516.9	516.9	514.3
10°	408.4	411.0	418.7	426.5	431.6	439.4	439.4	439.4	436.8	436.8	449.7
12.5°	369.6	367.0	372.2	377.4	382.5	387.7	405.8	423.9	439.4	457.5	467.8
15°	323.1	323.1	325.7	330.8	333.4	336.0	346.3	354.1	364.4	372.2	387.7
17.5°	356.7	361.8	348.9	336.0	320.5	307.6	333.4	359.3	385.1	411.0	423.9
20°	338.6	346.3	356.7	364.4	374.8	382.5	385.1	385.1	387.7	387.7	387.7
22.5°	354.1	338.6	351.5	367.0	379.9	392.9	387.7	382.5	377.4	372.2	395.4
25°	392.9	405.8	395.4	385.1	374.8	364.4	385.1	408.4	429.0	449.7	442.0
27.5°	403.2	392.9	405.8	418.7	431.6	444.6	436.8	431.6	423.9	416.1	431.6
30°	457.5	444.6	439.4	434.2	426.5	421.3	434.2	444.6	457.5	467.8	465.2
32.5°	504.0	478.2	478.2	478.2	475.6	475.6	475.6	478.2	478.2	478.2	496.2
35°	547.9	527.3	522.1	516.9	511.8	506.6	511.8	516.9	519.5	524.7	547.9
37.5°	571.2	547.9	547.9	547.9	547.9	547.9	550.5	555.7	558.3	560.9	586.7
40°	607.4	579.0	581.5	586.7	589.3	591.9	597.0	604.8	610.0	615.1	638.4
42.5°	659.1	628.1	630.6	635.8	638.4	641.0	651.3	659.1	669.4	677.2	703.0
45°	718.5	687.5	692.7	695.3	700.4	703.0	713.4	723.7	731.4	741.8	775.4
47.5°	793.5	762.5	770.2	775.4	783.1	788.3	796.1	801.2	809.0	814.1	850.3
50°	876.2	845.2	855.5	865.8	876.2	886.5	889.1	889.1	891.7	891.7	938.2
52.5°	982.1	951.1	961.5	974.4	984.7	995.1	1000.2	1005.4	1008.0	1013.2	1059.7
55°	1106.2	1077.8	1093.3	1108.8	1124.3	1139.8	1142.4	1145.0	1145.0	1147.6	1194.1
57.5°	1266.5	1235.4	1256.1	1279.4	1300.1	1320.7	1320.7	1318.1	1318.1	1315.6	1362.1
60°	1442.2	1413.8	1439.6	1468.1	1493.9	1519.7	1512.0	1504.2	1493.9	1486.1	1537.8
62.5°	1628.3	1597.3	1636.1	1674.8	1713.6	1752.4	1736.9	1723.9	1708.4	1692.9	1747.2
65°	1829.9	1798.9	1845.4	1891.9	1938.5	1985.0	1956.5	1928.1	1897.1	1868.7	1930.7
67.5°	2023.7	1987.6	2036.7	2083.2	2132.3	2178.8	2145.2	2111.6	2078.0	2044.4	2116.8
70°	2173.7	2142.6	2186.6	2230.5	2274.5	2318.4	2284.8	2251.2	2217.6	2184.0	2271.9
72.5°	2233.1	2196.9	2251.2	2308.0	2362.3	2416.6	2383.0	2349.4	2313.2	2279.6	2370.1
75°	2199.5	2173.7	2248.6	2321.0	2395.9	2468.3	2419.2	2370.1	2321.0	2271.9	2352.0
77.5°	2005.7	2008.2	2114.2	2217.6	2323.6	2426.9	2339.1	2251.2	2163.3	2075.4	2114.2
80°	1579.2	1625.7	1747.2	1868.7	1987.6	2109.0	1982.4	1858.3	1731.7	1605.0	1579.2
82.5°	796.1	902.0	1036.4	1173.4	1307.8	1442.2	1315.6	1191.5	1064.9	938.2	858.1
85°	248.1	284.3	338.6	392.9	447.1	501.4	436.8	372.2	307.6	243.0	217.1
87.5°	20.7	23.3	23.3	20.7	20.7	18.1	20.7	23.3	23.3	25.8	23.3
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-PA1-70-727-U-5WQ

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8	635.8
2.5°	602.2	597.0	594.5	586.7	579.0	571.2	563.4	563.4	566.0	566.0	566.0
5°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	532.4	532.4	532.4
7.5°	511.8	509.2	506.6	504.0	504.0	501.4	498.8	491.1	480.7	473.0	462.6
10°	465.2	478.2	491.1	496.2	501.4	504.0	509.2	509.2	511.8	511.8	511.8
12.5°	480.7	491.1	501.4	498.8	496.2	493.7	491.1	480.7	467.8	457.5	444.6
15°	403.2	416.1	431.6	449.7	470.4	488.5	506.6	509.2	511.8	514.3	516.9
17.5°	439.4	452.3	465.2	470.4	478.2	483.3	488.5	478.2	465.2	454.9	442.0
20°	385.1	385.1	382.5	413.5	447.1	478.2	509.2	514.3	519.5	522.1	527.3
22.5°	416.1	439.4	460.1	457.5	454.9	452.3	449.7	449.7	449.7	447.1	447.1
25°	436.8	429.0	421.3	449.7	475.6	504.0	529.8	535.0	540.2	542.8	547.9
27.5°	449.7	465.2	480.7	475.6	470.4	462.6	457.5	460.1	465.2	467.8	470.4
30°	465.2	462.6	460.1	488.5	514.3	542.8	568.6	571.2	573.8	573.8	576.4
32.5°	511.8	529.8	545.4	558.3	573.8	586.7	599.6	622.9	648.7	672.0	695.3
35°	571.2	591.9	615.1	641.0	666.8	692.7	718.5	723.7	731.4	736.6	741.8
37.5°	610.0	635.8	659.1	687.5	715.9	741.8	770.2	775.4	778.0	783.1	785.7
40°	661.7	684.9	708.2	739.2	770.2	798.6	829.7	834.8	837.4	842.6	845.2
42.5°	726.3	752.1	775.4	806.4	834.8	865.8	894.3	896.9	902.0	904.6	907.2
45°	806.4	840.0	871.0	899.4	925.3	953.7	979.6	982.1	984.7	984.7	987.3
47.5°	886.5	920.1	956.3	984.7	1013.2	1039.0	1067.4	1072.6	1075.2	1080.4	1082.9
50°	982.1	1028.7	1072.6	1098.5	1126.9	1152.7	1178.6	1181.2	1186.3	1188.9	1191.5
52.5°	1103.6	1150.1	1194.1	1219.9	1248.4	1274.2	1300.1	1302.6	1302.6	1305.2	1305.2
55°	1240.6	1287.1	1333.7	1359.5	1385.3	1411.2	1437.0	1437.0	1437.0	1434.5	1434.5
57.5°	1408.6	1452.5	1499.1	1524.9	1550.8	1576.6	1602.5	1602.5	1602.5	1602.5	1602.5
60°	1592.1	1643.8	1695.5	1718.8	1742.0	1765.3	1788.5	1783.4	1775.6	1770.5	1762.7
62.5°	1798.9	1853.2	1904.9	1922.9	1938.5	1956.5	1972.1	1964.3	1954.0	1946.2	1935.9
65°	1992.7	2054.8	2116.8	2129.7	2142.6	2153.0	2165.9	2153.0	2140.1	2124.5	2111.6
67.5°	2189.2	2258.9	2331.3	2336.5	2341.6	2346.8	2352.0	2339.1	2326.1	2310.6	2297.7
70°	2359.7	2447.6	2535.5	2538.1	2540.7	2543.2	2545.8	2532.9	2520.0	2504.5	2491.6
72.5°	2458.0	2548.4	2636.3	2644.0	2649.2	2657.0	2662.1	2649.2	2638.9	2626.0	2613.0
75°	2429.5	2509.6	2587.2	2579.4	2571.7	2561.3	2553.6	2532.9	2512.2	2489.0	2468.3
77.5°	2153.0	2189.2	2227.9	2186.6	2142.6	2101.3	2057.3	2036.7	2013.4	1992.7	1969.5
80°	1553.3	1524.9	1499.1	1421.5	1344.0	1263.9	1186.3	1134.6	1082.9	1031.3	979.6
82.5°	780.5	700.4	620.3	550.5	480.7	408.4	338.6	312.7	284.3	258.5	230.0
85°	193.8	168.0	142.2	131.8	121.5	111.1	100.8	87.9	77.5	64.6	51.7
87.5°	23.3	20.7	18.1	15.5	15.5	12.9	10.3	10.3	10.3	7.8	7.8
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):

	357.5°	360°
0°	635.8	635.8
2.5°	566.0	563.4
5°	532.4	532.4
7.5°	460.1	454.9
10°	511.8	511.8
12.5°	447.1	449.7
15°	516.9	516.9
17.5°	442.0	439.4
20°	527.3	527.3
22.5°	447.1	447.1
25°	547.9	545.4
27.5°	470.4	470.4
30°	576.4	576.4
32.5°	697.8	700.4
35°	744.4	744.4
37.5°	788.3	788.3
40°	845.2	842.6
42.5°	909.8	909.8
45°	989.9	989.9
47.5°	1085.5	1088.1
50°	1191.5	1191.5
52.5°	1305.2	1302.6
55°	1434.5	1434.5
57.5°	1594.7	1584.4
60°	1760.1	1757.5
62.5°	1933.3	1928.1
65°	2109.0	2103.9
67.5°	2295.1	2290.0
70°	2491.6	2489.0
72.5°	2605.3	2597.5
75°	2463.1	2458.0
77.5°	1948.8	1925.5
80°	966.6	953.7
82.5°	230.0	230.0
85°	49.1	46.5
87.5°	7.8	7.8
90°	0.0	0.0

(END OF REPORT)