

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: P561343

Luminaire Tested: **SDL-PA1-90-830-U-5WQ**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561343  
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-PA1-90-830-U-5WQ  
Description: Springdale  
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8394.6 lumens  
Efficiency: N/A  
Efficacy: 90.9 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 - G3

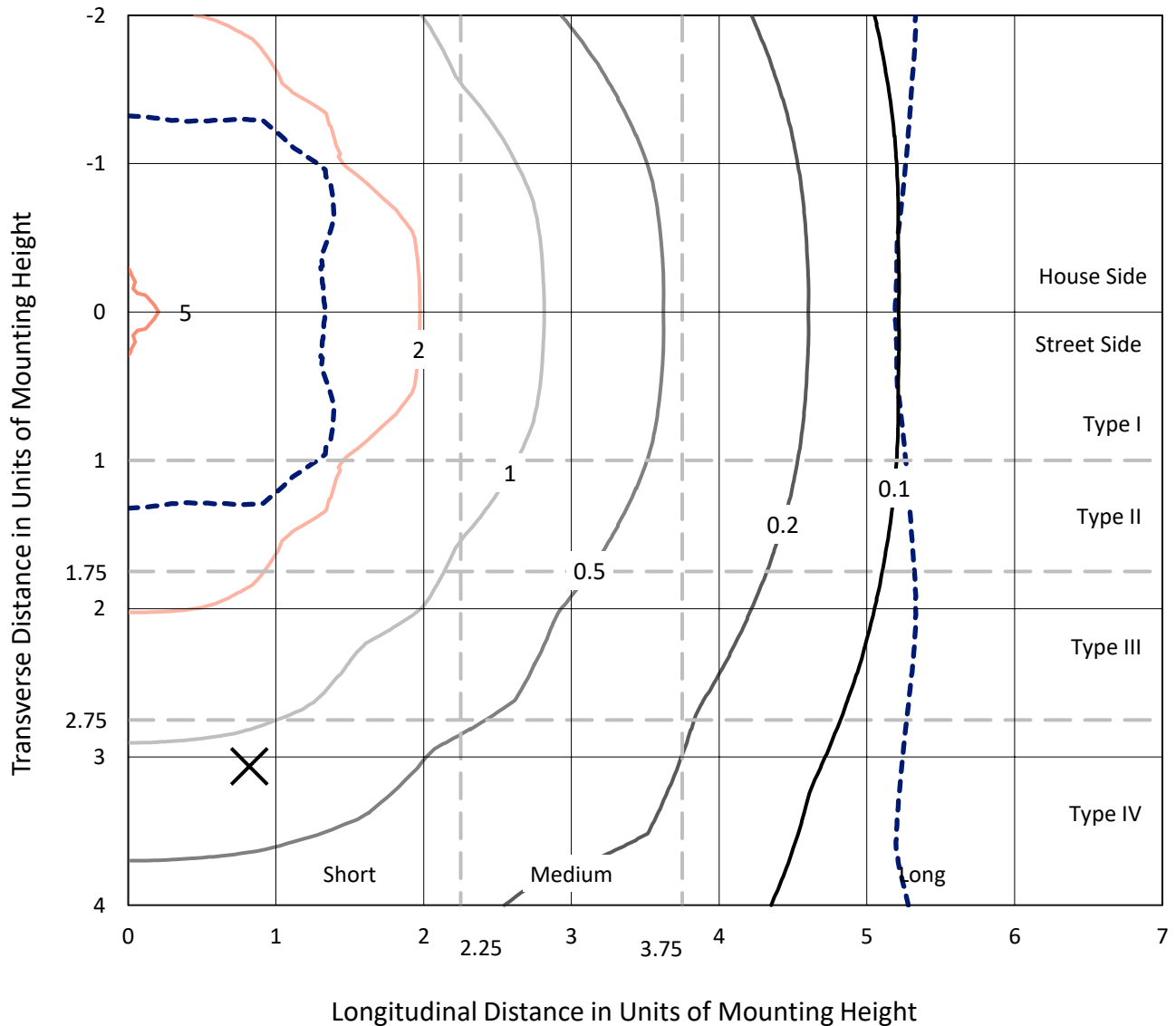
Input Watts (W): 92.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

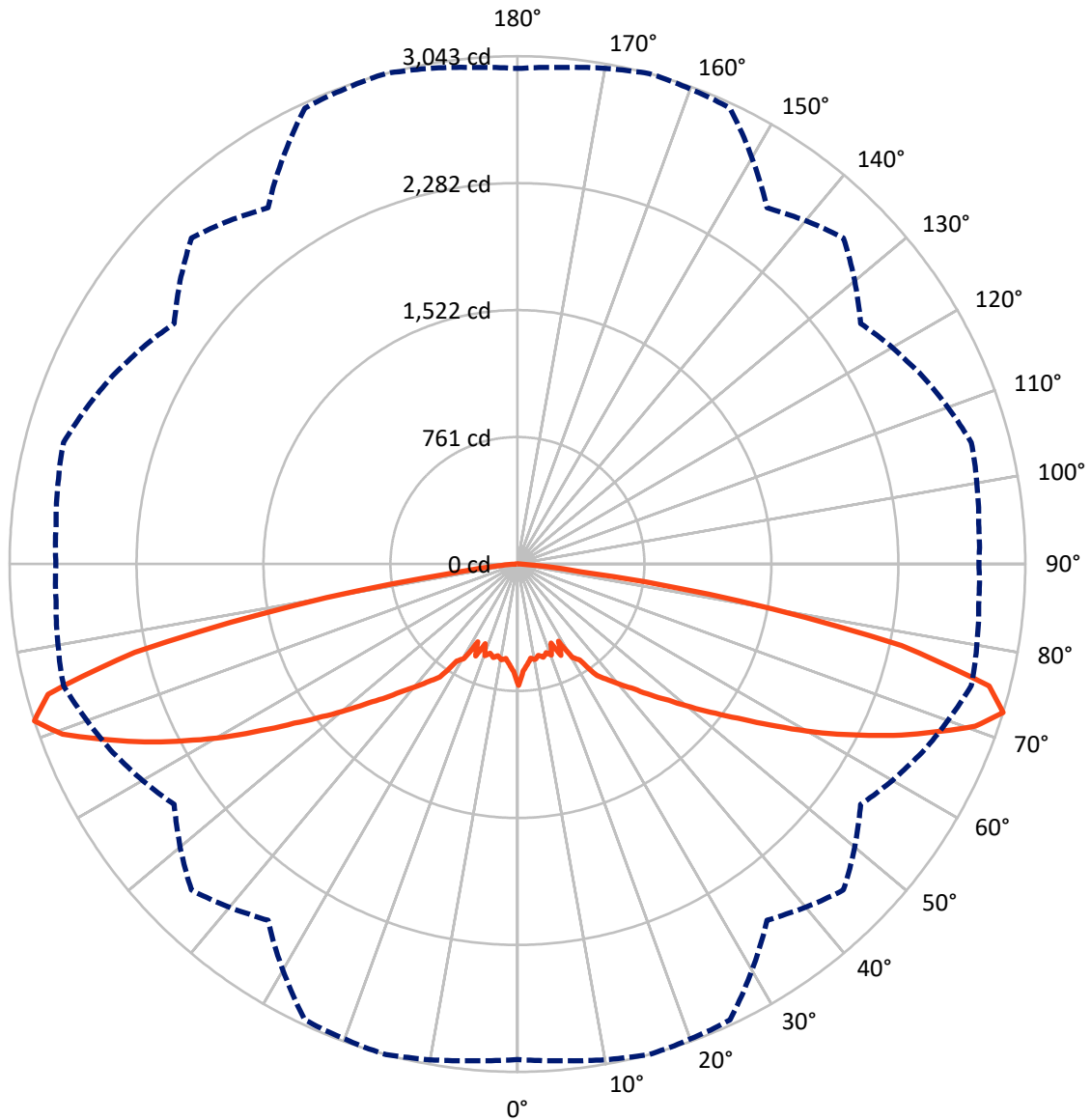
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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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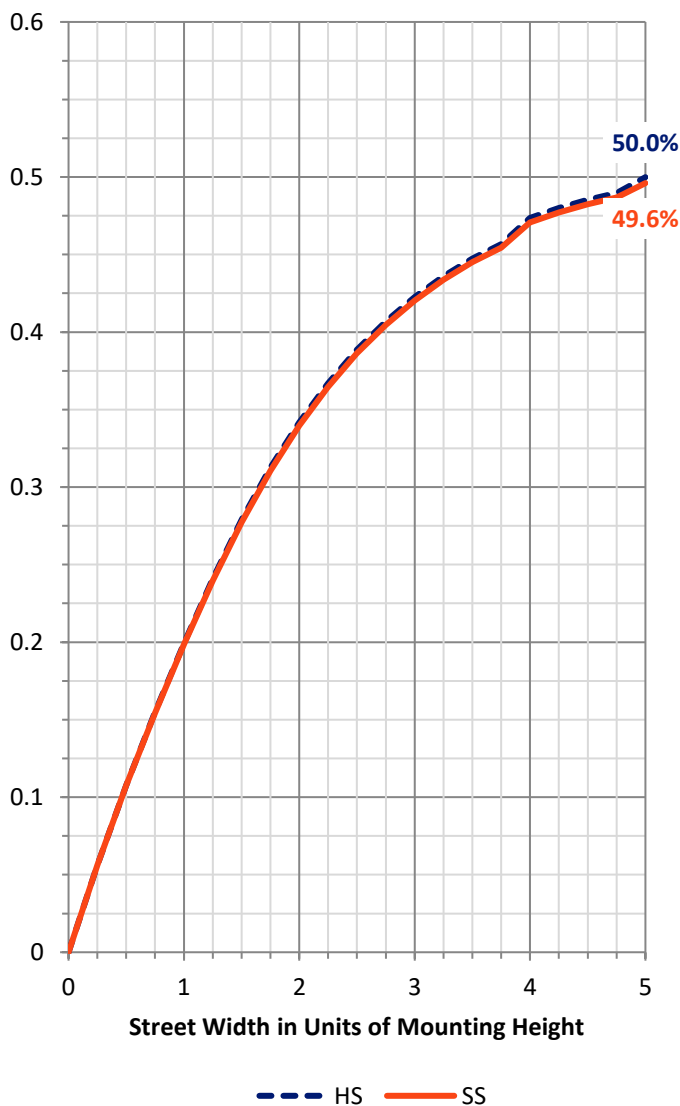
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4197.3	0.0	4197.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4197.3	0.0	4197.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8394.6	0.0	8394.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	0.7
10°-20°	132.5	1.6
20°-30°	236.5	2.8
30°-40°	452.3	5.4
40°-50°	770.3	9.2
50°-60°	1348.5	16.1
60°-70°	2275.3	27.1
70°-80°	2654.0	31.6
80°-90°	468.1	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°	8394.6	100.0
0°-180°	8394.6	100.0

**Coefficient of Utilization**



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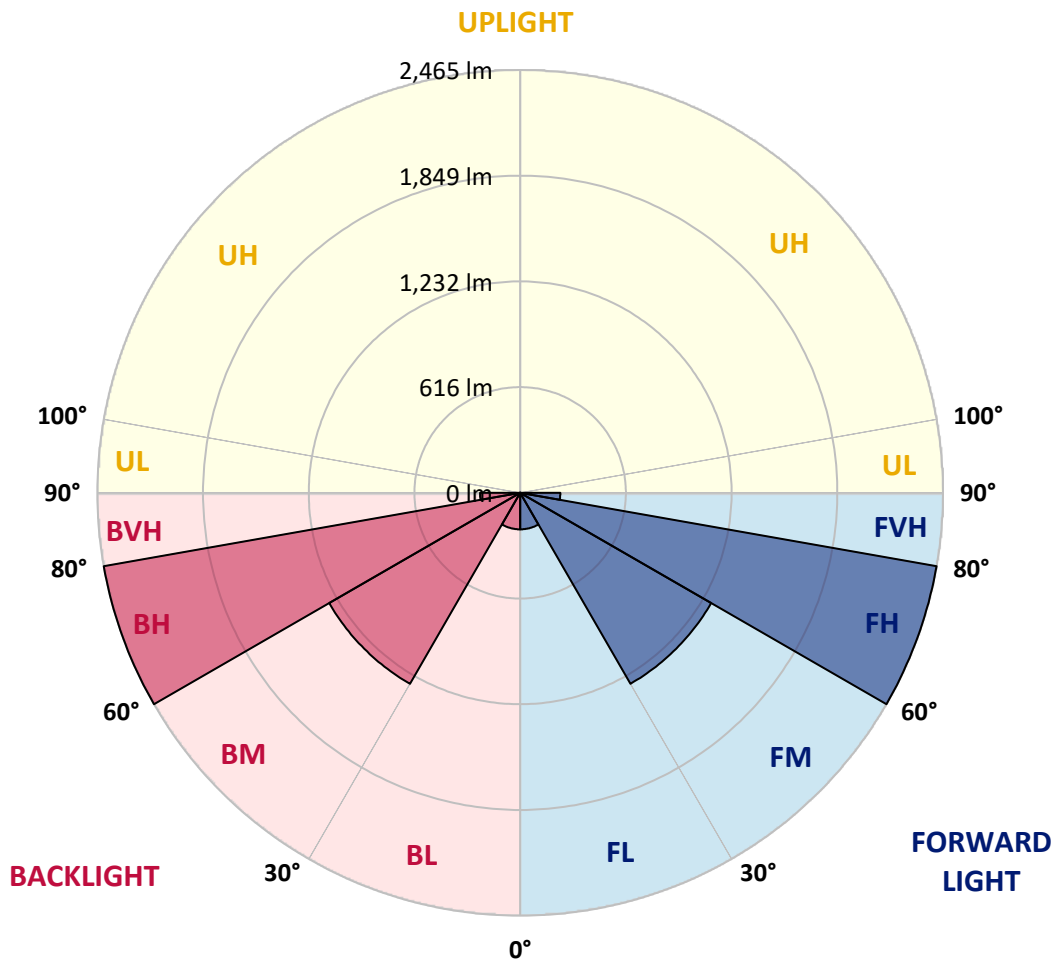
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.0	2.5			
FM (30°-60°)	1285.5	15.3			
FH (60°-80°)	2464.7	29.4			G2/5000
FVH (80°-90°)	234.1	2.8			G3/500
BL (0°-30°)	213.0	2.5	B1/500		
BM (30°-60°)	1285.5	15.3	B2/2500		
BH (60°-80°)	2464.7	29.4	B3/2500		G2/5000
BVH (80°-90°)	234.1	2.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-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°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	644.1	647.0	647.0	647.0	647.0	644.1	644.1	652.9	661.8	670.7	679.5
5°	608.6	608.6	608.6	608.6	608.6	605.7	605.7	605.7	605.7	605.7	605.7
7.5°	520.0	525.9	528.9	540.7	549.5	561.4	570.2	573.2	576.1	576.1	579.1
10°	585.0	585.0	585.0	585.0	585.0	582.0	582.0	576.1	573.2	567.3	561.4
12.5°	514.1	511.1	508.2	522.9	534.8	549.5	561.4	564.3	567.3	570.2	573.2
15°	590.9	590.9	590.9	587.9	585.0	582.0	579.1	558.4	537.7	514.1	493.4
17.5°	502.3	505.2	505.2	520.0	531.8	546.6	558.4	552.5	546.6	537.7	531.8
20°	602.7	602.7	602.7	596.8	593.9	587.9	582.0	546.6	511.1	472.7	437.3
22.5°	511.1	511.1	511.1	511.1	514.1	514.1	514.1	517.0	520.0	522.9	525.9
25°	623.4	626.4	626.4	620.4	617.5	611.6	605.7	576.1	543.6	514.1	481.6
27.5°	537.7	537.7	537.7	534.8	531.8	525.9	522.9	528.9	537.7	543.6	549.5
30°	658.9	658.9	658.9	655.9	655.9	652.9	650.0	620.4	587.9	558.4	525.9
32.5°	800.7	797.7	794.8	768.2	741.6	712.0	685.4	670.7	655.9	638.2	623.4
35°	850.9	850.9	847.9	842.0	836.1	827.3	821.3	791.8	762.3	732.7	703.2
37.5°	901.1	901.1	898.2	895.2	889.3	886.3	880.4	847.9	818.4	785.9	753.4
40°	963.2	966.1	966.1	963.2	957.3	954.3	948.4	912.9	880.4	845.0	809.5
42.5°	1040.0	1040.0	1037.0	1034.1	1031.1	1025.2	1022.3	989.8	954.3	921.8	886.3
45°	1131.6	1131.6	1128.6	1125.7	1125.7	1122.7	1119.8	1090.2	1057.7	1028.2	995.7
47.5°	1243.8	1240.9	1237.9	1235.0	1229.1	1226.1	1220.2	1187.7	1158.2	1125.7	1093.2
50°	1362.0	1362.0	1362.0	1359.1	1356.1	1350.2	1347.2	1317.7	1288.2	1255.7	1226.1
52.5°	1489.1	1492.0	1492.0	1492.0	1489.1	1489.1	1486.1	1456.6	1427.0	1394.5	1365.0
55°	1639.7	1639.7	1639.7	1639.7	1642.7	1642.7	1642.7	1613.2	1583.6	1554.1	1524.5
57.5°	1811.1	1822.9	1831.8	1831.8	1831.8	1831.8	1831.8	1802.2	1772.7	1743.2	1713.6
60°	2009.1	2012.0	2015.0	2023.8	2029.7	2038.6	2044.5	2017.9	1991.3	1964.7	1938.1
62.5°	2204.1	2210.0	2212.9	2224.7	2233.6	2245.4	2254.3	2236.6	2215.9	2198.1	2177.5
65°	2405.0	2410.9	2413.8	2428.6	2446.3	2461.1	2475.9	2461.1	2449.3	2434.5	2419.7
67.5°	2617.7	2623.6	2626.5	2641.3	2659.0	2673.8	2688.6	2682.7	2676.8	2670.9	2665.0
70°	2845.2	2848.1	2848.1	2862.9	2880.6	2895.4	2910.2	2907.2	2904.3	2901.3	2898.4
72.5°	2969.3	2978.1	2987.0	3001.8	3016.5	3028.4	3043.1	3037.2	3028.4	3022.4	3013.6
75°	2809.7	2815.6	2821.5	2845.2	2871.8	2895.4	2919.0	2927.9	2939.7	2948.6	2957.4
77.5°	2201.1	2227.7	2251.3	2277.9	2301.6	2328.1	2351.8	2402.0	2449.3	2499.5	2546.8
80°	1090.2	1105.0	1119.8	1178.8	1237.9	1297.0	1356.1	1444.7	1536.3	1625.0	1713.6
82.5°	262.9	262.9	262.9	295.4	325.0	357.5	387.0	466.8	549.5	629.3	709.1
85°	53.2	56.1	59.1	73.9	88.6	100.5	115.2	127.0	138.9	150.7	162.5
87.5°	8.9	8.9	8.9	8.9	11.8	11.8	11.8	14.8	17.7	17.7	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):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	682.5	688.4	691.4	694.3	697.3	700.2	703.2	706.1	709.1	709.1	712.0
5°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	608.6	611.6	614.5
7.5°	582.0	585.0	587.9	590.9	590.9	590.9	587.9	587.9	585.0	585.0	582.0
10°	546.6	531.8	514.1	499.3	499.3	502.3	502.3	502.3	493.4	487.5	478.6
12.5°	561.4	549.5	534.8	522.9	502.3	484.5	463.9	443.2	437.3	431.4	425.4
15°	475.7	460.9	443.2	425.4	416.6	404.8	395.9	384.1	381.1	378.2	372.3
17.5°	517.0	502.3	484.5	469.8	440.2	410.7	381.1	351.6	366.4	384.1	398.9
20°	440.2	440.2	443.2	443.2	443.2	440.2	440.2	437.3	428.4	416.6	407.7
22.5°	502.3	475.7	452.0	425.4	431.4	437.3	443.2	449.1	434.3	419.5	401.8
25°	490.4	499.3	505.2	514.1	490.4	466.8	440.2	416.6	428.4	440.2	452.0
27.5°	531.8	514.1	493.4	475.7	484.5	493.4	499.3	508.2	493.4	478.6	463.9
30°	528.9	531.8	531.8	534.8	522.9	508.2	496.4	481.6	487.5	496.4	502.3
32.5°	605.7	585.0	567.3	546.6	546.6	546.6	543.6	543.6	543.6	546.6	546.6
35°	676.6	652.9	626.4	599.8	593.9	590.9	585.0	579.1	585.0	590.9	596.8
37.5°	726.8	697.3	670.7	641.1	638.2	635.2	629.3	626.4	626.4	626.4	626.4
40°	782.9	756.4	729.8	703.2	697.3	691.4	682.5	676.6	673.6	670.7	664.8
42.5°	859.8	830.2	803.6	774.1	765.2	753.4	744.5	732.7	729.8	726.8	720.9
45°	960.2	921.8	886.3	847.9	836.1	827.3	815.4	803.6	800.7	794.8	791.8
47.5°	1051.8	1013.4	972.0	930.7	924.8	915.9	910.0	901.1	895.2	886.3	880.4
50°	1175.9	1122.7	1072.5	1019.3	1019.3	1016.3	1016.3	1013.4	1001.6	989.8	977.9
52.5°	1314.7	1261.6	1211.3	1158.2	1152.3	1149.3	1143.4	1137.5	1125.7	1113.8	1099.1
55°	1471.3	1418.2	1365.0	1311.8	1308.8	1308.8	1305.9	1302.9	1285.2	1267.5	1249.8
57.5°	1660.4	1610.2	1557.0	1503.8	1506.8	1506.8	1509.7	1509.7	1486.1	1462.5	1435.9
60°	1879.1	1820.0	1757.9	1698.8	1707.7	1719.5	1728.4	1737.2	1707.7	1678.2	1645.7
62.5°	2118.4	2056.3	1997.2	1935.2	1952.9	1970.6	1985.4	2003.1	1958.8	1914.5	1870.2
65°	2348.8	2277.9	2207.0	2136.1	2168.6	2204.1	2236.6	2269.1	2215.9	2162.7	2109.5
67.5°	2582.2	2502.5	2419.7	2337.0	2375.4	2413.8	2452.2	2490.6	2437.5	2381.3	2328.1
70°	2797.9	2697.5	2597.0	2496.5	2535.0	2573.4	2611.8	2650.2	2600.0	2549.7	2499.5
72.5°	2913.1	2809.7	2709.3	2605.9	2644.3	2685.6	2724.0	2762.5	2700.4	2638.4	2573.4
75°	2868.8	2777.2	2688.6	2597.0	2653.1	2709.3	2765.4	2821.5	2738.8	2653.1	2570.4
77.5°	2502.5	2461.1	2416.8	2372.5	2472.9	2573.4	2673.8	2774.3	2656.1	2535.0	2416.8
80°	1743.2	1775.7	1805.2	1834.7	1979.5	2124.3	2266.1	2410.9	2272.0	2136.1	1997.2
82.5°	800.7	892.3	980.9	1072.5	1217.3	1362.0	1503.8	1648.6	1495.0	1341.3	1184.8
85°	192.0	221.6	248.2	277.7	351.6	425.4	499.3	573.2	511.1	449.1	387.0
87.5°	23.6	26.6	26.6	29.5	26.6	26.6	23.6	20.7	23.6	23.6	26.6
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):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	712.0	715.0	715.0	717.9	717.9	717.9	717.9	715.0	715.0	715.0	717.9
5°	617.5	632.3	644.1	658.9	670.7	676.6	685.4	691.4	697.3	700.2	700.2
7.5°	579.1	573.2	564.3	558.4	549.5	561.4	576.1	587.9	599.8	602.7	605.7
10°	469.8	466.8	460.9	457.9	452.0	455.0	460.9	463.9	466.8	481.6	499.3
12.5°	419.5	422.5	425.4	428.4	431.4	422.5	413.6	401.8	392.9	407.7	422.5
15°	369.3	369.3	372.3	372.3	372.3	384.1	395.9	407.7	419.5	440.2	463.9
17.5°	413.6	407.7	401.8	392.9	387.0	390.0	390.0	392.9	392.9	404.8	413.6
20°	395.9	387.0	381.1	372.3	363.4	378.2	392.9	407.7	422.5	446.1	469.8
22.5°	387.0	404.8	419.5	437.3	452.0	443.2	434.3	422.5	413.6	413.6	413.6
25°	463.9	449.1	434.3	419.5	404.8	431.4	455.0	481.6	505.2	522.9	537.7
27.5°	449.1	460.9	472.7	481.6	493.4	508.2	522.9	537.7	552.5	579.1	602.7
30°	508.2	522.9	537.7	549.5	564.3	602.7	638.2	676.6	712.0	729.8	747.5
32.5°	546.6	576.1	602.7	632.3	658.9	679.5	700.2	720.9	741.6	759.3	780.0
35°	602.7	626.4	647.0	670.7	691.4	715.0	738.6	759.3	782.9	800.7	818.4
37.5°	626.4	652.9	679.5	703.2	729.8	759.3	785.9	815.4	842.0	856.8	868.6
40°	661.8	694.3	726.8	759.3	791.8	821.3	850.9	880.4	910.0	921.8	933.6
42.5°	717.9	753.4	788.8	821.3	856.8	889.3	918.8	951.3	980.9	992.7	1004.5
45°	785.9	821.3	856.8	892.3	927.7	963.2	998.6	1034.1	1069.5	1084.3	1099.1
47.5°	871.6	907.0	945.4	980.9	1016.3	1060.7	1102.0	1146.3	1187.7	1199.5	1211.3
50°	966.1	1001.6	1037.0	1072.5	1107.9	1164.1	1217.3	1273.4	1326.6	1332.5	1341.3
52.5°	1087.3	1122.7	1155.2	1190.7	1223.2	1285.2	1347.2	1406.3	1468.4	1471.3	1477.2
55°	1232.0	1264.5	1300.0	1332.5	1365.0	1432.9	1497.9	1565.9	1630.9	1630.9	1633.8
57.5°	1412.2	1447.7	1483.2	1515.7	1551.1	1616.1	1681.1	1743.2	1808.2	1805.2	1802.2
60°	1616.1	1648.6	1678.2	1710.7	1740.2	1802.2	1867.2	1929.3	1991.3	1985.4	1976.6
62.5°	1825.9	1861.3	1896.8	1929.3	1964.7	2015.0	2068.1	2118.4	2168.6	2156.8	2145.0
65°	2056.3	2091.8	2130.2	2165.6	2201.1	2239.5	2280.9	2319.3	2357.7	2345.9	2337.0
67.5°	2272.0	2313.4	2354.7	2393.1	2434.5	2464.0	2493.6	2520.2	2549.7	2535.0	2520.2
70°	2449.3	2484.7	2520.2	2555.6	2591.1	2620.6	2650.2	2679.7	2709.3	2694.5	2679.7
72.5°	2511.3	2552.7	2594.0	2632.5	2673.8	2709.3	2744.7	2780.2	2815.6	2806.8	2795.0
75°	2484.7	2514.3	2543.8	2573.4	2602.9	2629.5	2659.0	2685.6	2712.2	2697.5	2682.7
77.5°	2295.6	2292.7	2286.8	2283.8	2277.9	2277.9	2280.9	2280.9	2280.9	2263.1	2245.4
80°	1858.4	1805.2	1752.0	1698.8	1645.7	1583.6	1521.6	1459.5	1397.5	1338.4	1279.3
82.5°	1031.1	910.0	791.8	670.7	549.5	499.3	446.1	395.9	342.7	319.1	292.5
85°	325.0	283.6	242.3	200.9	159.5	150.7	141.8	130.0	121.1	112.3	103.4
87.5°	26.6	23.6	23.6	20.7	17.7	14.8	14.8	11.8	8.9	8.9	8.9
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):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	715.0	715.0	715.0
5°	703.2	703.2	703.2	703.2	703.2	703.2	703.2	700.2	700.2	697.3	691.4
7.5°	605.7	608.6	608.6	605.7	608.6	608.6	605.7	605.7	602.7	599.8	587.9
10°	514.1	528.9	528.9	528.9	528.9	528.9	514.1	499.3	481.6	466.8	463.9
12.5°	437.3	452.0	452.0	452.0	452.0	452.0	437.3	422.5	407.7	392.9	401.8
15°	484.5	505.2	505.2	505.2	505.2	505.2	484.5	463.9	440.2	419.5	407.7
17.5°	425.4	434.3	437.3	437.3	437.3	434.3	425.4	413.6	404.8	392.9	392.9
20°	490.4	514.1	517.0	520.0	517.0	514.1	490.4	469.8	446.1	422.5	407.7
22.5°	410.7	410.7	413.6	413.6	413.6	410.7	410.7	413.6	413.6	413.6	422.5
25°	555.4	570.2	570.2	567.3	570.2	570.2	555.4	537.7	522.9	505.2	481.6
27.5°	629.3	652.9	658.9	661.8	658.9	652.9	629.3	602.7	579.1	552.5	537.7
30°	765.2	782.9	782.9	782.9	782.9	782.9	765.2	747.5	729.8	712.0	676.6
32.5°	797.7	815.4	815.4	815.4	815.4	815.4	797.7	780.0	759.3	741.6	720.9
35°	833.2	850.9	853.8	853.8	853.8	850.9	833.2	818.4	800.7	782.9	759.3
37.5°	883.4	895.2	898.2	901.1	898.2	895.2	883.4	868.6	856.8	842.0	815.4
40°	942.5	954.3	954.3	954.3	954.3	954.3	942.5	933.6	921.8	910.0	880.4
42.5°	1016.3	1028.2	1031.1	1034.1	1031.1	1028.2	1016.3	1004.5	992.7	980.9	951.3
45°	1110.9	1125.7	1128.6	1131.6	1128.6	1125.7	1110.9	1099.1	1084.3	1069.5	1034.1
47.5°	1223.2	1235.0	1235.0	1235.0	1235.0	1235.0	1223.2	1211.3	1199.5	1187.7	1146.3
50°	1347.2	1353.2	1356.1	1356.1	1356.1	1353.2	1347.2	1341.3	1332.5	1326.6	1273.4
52.5°	1480.2	1483.2	1483.2	1480.2	1483.2	1483.2	1480.2	1477.2	1471.3	1468.4	1406.3
55°	1633.8	1633.8	1630.9	1625.0	1630.9	1633.8	1633.8	1633.8	1630.9	1630.9	1565.9
57.5°	1799.3	1796.3	1796.3	1793.4	1796.3	1796.3	1799.3	1802.2	1805.2	1808.2	1743.2
60°	1970.6	1961.8	1958.8	1952.9	1958.8	1961.8	1970.6	1976.6	1985.4	1991.3	1929.3
62.5°	2133.1	2121.3	2121.3	2121.3	2121.3	2121.3	2133.1	2145.0	2156.8	2168.6	2118.4
65°	2325.2	2313.4	2307.5	2301.6	2307.5	2313.4	2325.2	2337.0	2345.9	2357.7	2319.3
67.5°	2505.4	2490.6	2484.7	2475.9	2484.7	2490.6	2505.4	2520.2	2535.0	2549.7	2520.2
70°	2662.0	2647.2	2644.3	2641.3	2644.3	2647.2	2662.0	2679.7	2694.5	2709.3	2679.7
72.5°	2786.1	2774.3	2771.3	2765.4	2771.3	2774.3	2786.1	2795.0	2806.8	2815.6	2780.2
75°	2667.9	2653.1	2644.3	2632.5	2644.3	2653.1	2667.9	2682.7	2697.5	2712.2	2685.6
77.5°	2227.7	2210.0	2204.1	2195.2	2204.1	2210.0	2227.7	2245.4	2263.1	2280.9	2280.9
80°	1220.2	1161.1	1146.3	1128.6	1146.3	1161.1	1220.2	1279.3	1338.4	1397.5	1459.5
82.5°	268.9	242.3	233.4	221.6	233.4	242.3	268.9	292.5	319.1	342.7	395.9
85°	91.6	82.7	76.8	70.9	76.8	82.7	91.6	103.4	112.3	121.1	130.0
87.5°	8.9	8.9	8.9	5.9	8.9	8.9	8.9	8.9	8.9	8.9	11.8
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: P561343  
 CATALOG NUMBER: SDL-PA1-90-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	717.9	717.9	717.9	717.9	715.0	715.0	712.0	712.0	709.1	709.1	706.1
5°	685.4	676.6	670.7	658.9	644.1	632.3	617.5	614.5	611.6	608.6	605.7
7.5°	576.1	561.4	549.5	558.4	564.3	573.2	579.1	582.0	585.0	585.0	587.9
10°	460.9	455.0	452.0	457.9	460.9	466.8	469.8	478.6	487.5	493.4	502.3
12.5°	413.6	422.5	431.4	428.4	425.4	422.5	419.5	425.4	431.4	437.3	443.2
15°	395.9	384.1	372.3	372.3	372.3	369.3	369.3	372.3	378.2	381.1	384.1
17.5°	390.0	390.0	387.0	392.9	401.8	407.7	413.6	398.9	384.1	366.4	351.6
20°	392.9	378.2	363.4	372.3	381.1	387.0	395.9	407.7	416.6	428.4	437.3
22.5°	434.3	443.2	452.0	437.3	419.5	404.8	387.0	401.8	419.5	434.3	449.1
25°	455.0	431.4	404.8	419.5	434.3	449.1	463.9	452.0	440.2	428.4	416.6
27.5°	522.9	508.2	493.4	481.6	472.7	460.9	449.1	463.9	478.6	493.4	508.2
30°	638.2	602.7	564.3	549.5	537.7	522.9	508.2	502.3	496.4	487.5	481.6
32.5°	700.2	679.5	658.9	632.3	602.7	576.1	546.6	546.6	546.6	543.6	543.6
35°	738.6	715.0	691.4	670.7	647.0	626.4	602.7	596.8	590.9	585.0	579.1
37.5°	785.9	759.3	729.8	703.2	679.5	652.9	626.4	626.4	626.4	626.4	626.4
40°	850.9	821.3	791.8	759.3	726.8	694.3	661.8	664.8	670.7	673.6	676.6
42.5°	918.8	889.3	856.8	821.3	788.8	753.4	717.9	720.9	726.8	729.8	732.7
45°	998.6	963.2	927.7	892.3	856.8	821.3	785.9	791.8	794.8	800.7	803.6
47.5°	1102.0	1060.7	1016.3	980.9	945.4	907.0	871.6	880.4	886.3	895.2	901.1
50°	1217.3	1164.1	1107.9	1072.5	1037.0	1001.6	966.1	977.9	989.8	1001.6	1013.4
52.5°	1347.2	1285.2	1223.2	1190.7	1155.2	1122.7	1087.3	1099.1	1113.8	1125.7	1137.5
55°	1497.9	1432.9	1365.0	1332.5	1300.0	1264.5	1232.0	1249.8	1267.5	1285.2	1302.9
57.5°	1681.1	1616.1	1551.1	1515.7	1483.2	1447.7	1412.2	1435.9	1462.5	1486.1	1509.7
60°	1867.2	1802.2	1740.2	1710.7	1678.2	1648.6	1616.1	1645.7	1678.2	1707.7	1737.2
62.5°	2068.1	2015.0	1964.7	1929.3	1896.8	1861.3	1825.9	1870.2	1914.5	1958.8	2003.1
65°	2280.9	2239.5	2201.1	2165.6	2130.2	2091.8	2056.3	2109.5	2162.7	2215.9	2269.1
67.5°	2493.6	2464.0	2434.5	2393.1	2354.7	2313.4	2272.0	2328.1	2381.3	2437.5	2490.6
70°	2650.2	2620.6	2591.1	2555.6	2520.2	2484.7	2449.3	2499.5	2549.7	2600.0	2650.2
72.5°	2744.7	2709.3	2673.8	2632.5	2594.0	2552.7	2511.3	2573.4	2638.4	2700.4	2762.5
75°	2659.0	2629.5	2602.9	2573.4	2543.8	2514.3	2484.7	2570.4	2653.1	2738.8	2821.5
77.5°	2280.9	2277.9	2277.9	2283.8	2286.8	2292.7	2295.6	2416.8	2535.0	2656.1	2774.3
80°	1521.6	1583.6	1645.7	1698.8	1752.0	1805.2	1858.4	1997.2	2136.1	2272.0	2410.9
82.5°	446.1	499.3	549.5	670.7	791.8	910.0	1031.1	1184.8	1341.3	1495.0	1648.6
85°	141.8	150.7	159.5	200.9	242.3	283.6	325.0	387.0	449.1	511.1	573.2
87.5°	14.8	14.8	17.7	20.7	23.6	23.6	26.6	26.6	23.6	23.6	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):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	703.2	700.2	697.3	694.3	691.4	688.4	682.5	679.5	670.7	661.8	652.9
5°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
7.5°	587.9	590.9	590.9	590.9	587.9	585.0	582.0	579.1	576.1	576.1	573.2
10°	502.3	502.3	499.3	499.3	514.1	531.8	546.6	561.4	567.3	573.2	576.1
12.5°	463.9	484.5	502.3	522.9	534.8	549.5	561.4	573.2	570.2	567.3	564.3
15°	395.9	404.8	416.6	425.4	443.2	460.9	475.7	493.4	514.1	537.7	558.4
17.5°	381.1	410.7	440.2	469.8	484.5	502.3	517.0	531.8	537.7	546.6	552.5
20°	440.2	440.2	443.2	443.2	443.2	440.2	440.2	437.3	472.7	511.1	546.6
22.5°	443.2	437.3	431.4	425.4	452.0	475.7	502.3	525.9	522.9	520.0	517.0
25°	440.2	466.8	490.4	514.1	505.2	499.3	490.4	481.6	514.1	543.6	576.1
27.5°	499.3	493.4	484.5	475.7	493.4	514.1	531.8	549.5	543.6	537.7	528.9
30°	496.4	508.2	522.9	534.8	531.8	531.8	528.9	525.9	558.4	587.9	620.4
32.5°	543.6	546.6	546.6	546.6	567.3	585.0	605.7	623.4	638.2	655.9	670.7
35°	585.0	590.9	593.9	599.8	626.4	652.9	676.6	703.2	732.7	762.3	791.8
37.5°	629.3	635.2	638.2	641.1	670.7	697.3	726.8	753.4	785.9	818.4	847.9
40°	682.5	691.4	697.3	703.2	729.8	756.4	782.9	809.5	845.0	880.4	912.9
42.5°	744.5	753.4	765.2	774.1	803.6	830.2	859.8	886.3	921.8	954.3	989.8
45°	815.4	827.3	836.1	847.9	886.3	921.8	960.2	995.7	1028.2	1057.7	1090.2
47.5°	910.0	915.9	924.8	930.7	972.0	1013.4	1051.8	1093.2	1125.7	1158.2	1187.7
50°	1016.3	1016.3	1019.3	1019.3	1072.5	1122.7	1175.9	1226.1	1255.7	1288.2	1317.7
52.5°	1143.4	1149.3	1152.3	1158.2	1211.3	1261.6	1314.7	1365.0	1394.5	1427.0	1456.6
55°	1305.9	1308.8	1308.8	1311.8	1365.0	1418.2	1471.3	1524.5	1554.1	1583.6	1613.2
57.5°	1509.7	1506.8	1506.8	1503.8	1557.0	1610.2	1660.4	1713.6	1743.2	1772.7	1802.2
60°	1728.4	1719.5	1707.7	1698.8	1757.9	1820.0	1879.1	1938.1	1964.7	1991.3	2017.9
62.5°	1985.4	1970.6	1952.9	1935.2	1997.2	2056.3	2118.4	2177.5	2198.1	2215.9	2236.6
65°	2236.6	2204.1	2168.6	2136.1	2207.0	2277.9	2348.8	2419.7	2434.5	2449.3	2461.1
67.5°	2452.2	2413.8	2375.4	2337.0	2419.7	2502.5	2582.2	2665.0	2670.9	2676.8	2682.7
70°	2611.8	2573.4	2535.0	2496.5	2597.0	2697.5	2797.9	2898.4	2901.3	2904.3	2907.2
72.5°	2724.0	2685.6	2644.3	2605.9	2709.3	2809.7	2913.1	3013.6	3022.4	3028.4	3037.2
75°	2765.4	2709.3	2653.1	2597.0	2688.6	2777.2	2868.8	2957.4	2948.6	2939.7	2927.9
77.5°	2673.8	2573.4	2472.9	2372.5	2416.8	2461.1	2502.5	2546.8	2499.5	2449.3	2402.0
80°	2266.1	2124.3	1979.5	1834.7	1805.2	1775.7	1743.2	1713.6	1625.0	1536.3	1444.7
82.5°	1503.8	1362.0	1217.3	1072.5	980.9	892.3	800.7	709.1	629.3	549.5	466.8
85°	499.3	425.4	351.6	277.7	248.2	221.6	192.0	162.5	150.7	138.9	127.0
87.5°	23.6	26.6	26.6	29.5	26.6	26.6	23.6	20.7	17.7	17.7	14.8
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):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	644.1	644.1	647.0	647.0	647.0	647.0	644.1	647.0	647.0	647.0	647.0
5°	605.7	605.7	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6	608.6
7.5°	570.2	561.4	549.5	540.7	528.9	525.9	520.0	525.9	528.9	540.7	549.5
10°	582.0	582.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0
12.5°	561.4	549.5	534.8	522.9	508.2	511.1	514.1	511.1	508.2	522.9	534.8
15°	579.1	582.0	585.0	587.9	590.9	590.9	590.9	590.9	590.9	587.9	585.0
17.5°	558.4	546.6	531.8	520.0	505.2	505.2	502.3	505.2	505.2	520.0	531.8
20°	582.0	587.9	593.9	596.8	602.7	602.7	602.7	602.7	602.7	596.8	593.9
22.5°	514.1	514.1	514.1	511.1	511.1	511.1	511.1	511.1	511.1	511.1	514.1
25°	605.7	611.6	617.5	620.4	626.4	626.4	623.4	626.4	626.4	620.4	617.5
27.5°	522.9	525.9	531.8	534.8	537.7	537.7	537.7	537.7	537.7	534.8	531.8
30°	650.0	652.9	655.9	655.9	658.9	658.9	658.9	658.9	658.9	655.9	655.9
32.5°	685.4	712.0	741.6	768.2	794.8	797.7	800.7	797.7	794.8	768.2	741.6
35°	821.3	827.3	836.1	842.0	847.9	850.9	850.9	850.9	847.9	842.0	836.1
37.5°	880.4	886.3	889.3	895.2	898.2	901.1	901.1	901.1	898.2	895.2	889.3
40°	948.4	954.3	957.3	963.2	966.1	966.1	963.2	966.1	966.1	963.2	957.3
42.5°	1022.3	1025.2	1031.1	1034.1	1037.0	1040.0	1040.0	1040.0	1037.0	1034.1	1031.1
45°	1119.8	1122.7	1125.7	1125.7	1128.6	1131.6	1131.6	1131.6	1128.6	1125.7	1125.7
47.5°	1220.2	1226.1	1229.1	1235.0	1237.9	1240.9	1243.8	1240.9	1237.9	1235.0	1229.1
50°	1347.2	1350.2	1356.1	1359.1	1362.0	1362.0	1362.0	1362.0	1362.0	1359.1	1356.1
52.5°	1486.1	1489.1	1489.1	1492.0	1492.0	1492.0	1489.1	1492.0	1492.0	1492.0	1489.1
55°	1642.7	1642.7	1642.7	1639.7	1639.7	1639.7	1639.7	1639.7	1639.7	1639.7	1642.7
57.5°	1831.8	1831.8	1831.8	1831.8	1831.8	1822.9	1811.1	1822.9	1831.8	1831.8	1831.8
60°	2044.5	2038.6	2029.7	2023.8	2015.0	2012.0	2009.1	2012.0	2015.0	2023.8	2029.7
62.5°	2254.3	2245.4	2233.6	2224.7	2212.9	2210.0	2204.1	2210.0	2212.9	2224.7	2233.6
65°	2475.9	2461.1	2446.3	2428.6	2413.8	2410.9	2405.0	2410.9	2413.8	2428.6	2446.3
67.5°	2688.6	2673.8	2659.0	2641.3	2626.5	2623.6	2617.7	2623.6	2626.5	2641.3	2659.0
70°	2910.2	2895.4	2880.6	2862.9	2848.1	2848.1	2845.2	2848.1	2848.1	2862.9	2880.6
72.5°	3043.1	3028.4	3016.5	3001.8	2987.0	2978.1	2969.3	2978.1	2987.0	3001.8	3016.5
75°	2919.0	2895.4	2871.8	2845.2	2821.5	2815.6	2809.7	2815.6	2821.5	2845.2	2871.8
77.5°	2351.8	2328.1	2301.6	2277.9	2251.3	2227.7	2201.1	2227.7	2251.3	2277.9	2301.6
80°	1356.1	1297.0	1237.9	1178.8	1119.8	1105.0	1090.2	1105.0	1119.8	1178.8	1237.9
82.5°	387.0	357.5	325.0	295.4	262.9	262.9	262.9	262.9	262.9	295.4	325.0
85°	115.2	100.5	88.6	73.9	59.1	56.1	53.2	56.1	59.1	73.9	88.6
87.5°	11.8	11.8	11.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.8
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: P561343

CATALOG NUMBER: SDL-PA1-90-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	644.1	644.1	652.9	661.8	670.7	679.5	682.5	688.4	691.4	694.3	697.3
5°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7
7.5°	561.4	570.2	573.2	576.1	576.1	579.1	582.0	585.0	587.9	590.9	590.9
10°	582.0	582.0	576.1	573.2	567.3	561.4	546.6	531.8	514.1	499.3	499.3
12.5°	549.5	561.4	564.3	567.3	570.2	573.2	561.4	549.5	534.8	522.9	502.3
15°	582.0	579.1	558.4	537.7	514.1	493.4	475.7	460.9	443.2	425.4	416.6
17.5°	546.6	558.4	552.5	546.6	537.7	531.8	517.0	502.3	484.5	469.8	440.2
20°	587.9	582.0	546.6	511.1	472.7	437.3	440.2	440.2	443.2	443.2	443.2
22.5°	514.1	514.1	517.0	520.0	522.9	525.9	502.3	475.7	452.0	425.4	431.4
25°	611.6	605.7	576.1	543.6	514.1	481.6	490.4	499.3	505.2	514.1	490.4
27.5°	525.9	522.9	528.9	537.7	543.6	549.5	531.8	514.1	493.4	475.7	484.5
30°	652.9	650.0	620.4	587.9	558.4	525.9	528.9	531.8	531.8	534.8	522.9
32.5°	712.0	685.4	670.7	655.9	638.2	623.4	605.7	585.0	567.3	546.6	546.6
35°	827.3	821.3	791.8	762.3	732.7	703.2	676.6	652.9	626.4	599.8	593.9
37.5°	886.3	880.4	847.9	818.4	785.9	753.4	726.8	697.3	670.7	641.1	638.2
40°	954.3	948.4	912.9	880.4	845.0	809.5	782.9	756.4	729.8	703.2	697.3
42.5°	1025.2	1022.3	989.8	954.3	921.8	886.3	859.8	830.2	803.6	774.1	765.2
45°	1122.7	1119.8	1090.2	1057.7	1028.2	995.7	960.2	921.8	886.3	847.9	836.1
47.5°	1226.1	1220.2	1187.7	1158.2	1125.7	1093.2	1051.8	1013.4	972.0	930.7	924.8
50°	1350.2	1347.2	1317.7	1288.2	1255.7	1226.1	1175.9	1122.7	1072.5	1019.3	1019.3
52.5°	1489.1	1486.1	1456.6	1427.0	1394.5	1365.0	1314.7	1261.6	1211.3	1158.2	1152.3
55°	1642.7	1642.7	1613.2	1583.6	1554.1	1524.5	1471.3	1418.2	1365.0	1311.8	1308.8
57.5°	1831.8	1831.8	1802.2	1772.7	1743.2	1713.6	1660.4	1610.2	1557.0	1503.8	1506.8
60°	2038.6	2044.5	2017.9	1991.3	1964.7	1938.1	1879.1	1820.0	1757.9	1698.8	1707.7
62.5°	2245.4	2254.3	2236.6	2215.9	2198.1	2177.5	2118.4	2056.3	1997.2	1935.2	1952.9
65°	2461.1	2475.9	2461.1	2449.3	2434.5	2419.7	2348.8	2277.9	2207.0	2136.1	2168.6
67.5°	2673.8	2688.6	2682.7	2676.8	2670.9	2665.0	2582.2	2502.5	2419.7	2337.0	2375.4
70°	2895.4	2910.2	2907.2	2904.3	2901.3	2898.4	2797.9	2697.5	2597.0	2496.5	2535.0
72.5°	3028.4	3043.1	3037.2	3028.4	3022.4	3013.6	2913.1	2809.7	2709.3	2605.9	2644.3
75°	2895.4	2919.0	2927.9	2939.7	2948.6	2957.4	2868.8	2777.2	2688.6	2597.0	2653.1
77.5°	2328.1	2351.8	2402.0	2449.3	2499.5	2546.8	2502.5	2461.1	2416.8	2372.5	2472.9
80°	1297.0	1356.1	1444.7	1536.3	1625.0	1713.6	1743.2	1775.7	1805.2	1834.7	1979.5
82.5°	357.5	387.0	466.8	549.5	629.3	709.1	800.7	892.3	980.9	1072.5	1217.3
85°	100.5	115.2	127.0	138.9	150.7	162.5	192.0	221.6	248.2	277.7	351.6
87.5°	11.8	11.8	14.8	17.7	17.7	20.7	23.6	26.6	26.6	29.5	26.6
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: P561343  
 CATALOG NUMBER: SDL-PA1-90-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	700.2	703.2	706.1	709.1	709.1	712.0	712.0	715.0	715.0	717.9	717.9
5°	605.7	605.7	605.7	608.6	611.6	614.5	617.5	632.3	644.1	658.9	670.7
7.5°	590.9	587.9	587.9	585.0	585.0	582.0	579.1	573.2	564.3	558.4	549.5
10°	502.3	502.3	502.3	493.4	487.5	478.6	469.8	466.8	460.9	457.9	452.0
12.5°	484.5	463.9	443.2	437.3	431.4	425.4	419.5	422.5	425.4	428.4	431.4
15°	404.8	395.9	384.1	381.1	378.2	372.3	369.3	369.3	372.3	372.3	372.3
17.5°	410.7	381.1	351.6	366.4	384.1	398.9	413.6	407.7	401.8	392.9	387.0
20°	440.2	440.2	437.3	428.4	416.6	407.7	395.9	387.0	381.1	372.3	363.4
22.5°	437.3	443.2	449.1	434.3	419.5	401.8	387.0	404.8	419.5	437.3	452.0
25°	466.8	440.2	416.6	428.4	440.2	452.0	463.9	449.1	434.3	419.5	404.8
27.5°	493.4	499.3	508.2	493.4	478.6	463.9	449.1	460.9	472.7	481.6	493.4
30°	508.2	496.4	481.6	487.5	496.4	502.3	508.2	522.9	537.7	549.5	564.3
32.5°	546.6	543.6	543.6	543.6	546.6	546.6	546.6	576.1	602.7	632.3	658.9
35°	590.9	585.0	579.1	585.0	590.9	596.8	602.7	626.4	647.0	670.7	691.4
37.5°	635.2	629.3	626.4	626.4	626.4	626.4	626.4	652.9	679.5	703.2	729.8
40°	691.4	682.5	676.6	673.6	670.7	664.8	661.8	694.3	726.8	759.3	791.8
42.5°	753.4	744.5	732.7	729.8	726.8	720.9	717.9	753.4	788.8	821.3	856.8
45°	827.3	815.4	803.6	800.7	794.8	791.8	785.9	821.3	856.8	892.3	927.7
47.5°	915.9	910.0	901.1	895.2	886.3	880.4	871.6	907.0	945.4	980.9	1016.3
50°	1016.3	1016.3	1013.4	1001.6	989.8	977.9	966.1	1001.6	1037.0	1072.5	1107.9
52.5°	1149.3	1143.4	1137.5	1125.7	1113.8	1099.1	1087.3	1122.7	1155.2	1190.7	1223.2
55°	1308.8	1305.9	1302.9	1285.2	1267.5	1249.8	1232.0	1264.5	1300.0	1332.5	1365.0
57.5°	1506.8	1509.7	1509.7	1486.1	1462.5	1435.9	1412.2	1447.7	1483.2	1515.7	1551.1
60°	1719.5	1728.4	1737.2	1707.7	1678.2	1645.7	1616.1	1648.6	1678.2	1710.7	1740.2
62.5°	1970.6	1985.4	2003.1	1958.8	1914.5	1870.2	1825.9	1861.3	1896.8	1929.3	1964.7
65°	2204.1	2236.6	2269.1	2215.9	2162.7	2109.5	2056.3	2091.8	2130.2	2165.6	2201.1
67.5°	2413.8	2452.2	2490.6	2437.5	2381.3	2328.1	2272.0	2313.4	2354.7	2393.1	2434.5
70°	2573.4	2611.8	2650.2	2600.0	2549.7	2499.5	2449.3	2484.7	2520.2	2555.6	2591.1
72.5°	2685.6	2724.0	2762.5	2700.4	2638.4	2573.4	2511.3	2552.7	2594.0	2632.5	2673.8
75°	2709.3	2765.4	2821.5	2738.8	2653.1	2570.4	2484.7	2514.3	2543.8	2573.4	2602.9
77.5°	2573.4	2673.8	2774.3	2656.1	2535.0	2416.8	2295.6	2292.7	2286.8	2283.8	2277.9
80°	2124.3	2266.1	2410.9	2272.0	2136.1	1997.2	1858.4	1805.2	1752.0	1698.8	1645.7
82.5°	1362.0	1503.8	1648.6	1495.0	1341.3	1184.8	1031.1	910.0	791.8	670.7	549.5
85°	425.4	499.3	573.2	511.1	449.1	387.0	325.0	283.6	242.3	200.9	159.5
87.5°	26.6	23.6	20.7	23.6	23.6	26.6	26.6	23.6	23.6	20.7	17.7
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):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	717.9	717.9	715.0	715.0	715.0	717.9	717.9	717.9	717.9	717.9	717.9
5°	676.6	685.4	691.4	697.3	700.2	700.2	703.2	703.2	703.2	703.2	703.2
7.5°	561.4	576.1	587.9	599.8	602.7	605.7	605.7	608.6	608.6	605.7	608.6
10°	455.0	460.9	463.9	466.8	481.6	499.3	514.1	528.9	528.9	528.9	528.9
12.5°	422.5	413.6	401.8	392.9	407.7	422.5	437.3	452.0	452.0	452.0	452.0
15°	384.1	395.9	407.7	419.5	440.2	463.9	484.5	505.2	505.2	505.2	505.2
17.5°	390.0	390.0	392.9	392.9	404.8	413.6	425.4	434.3	437.3	437.3	437.3
20°	378.2	392.9	407.7	422.5	446.1	469.8	490.4	514.1	517.0	520.0	517.0
22.5°	443.2	434.3	422.5	413.6	413.6	413.6	410.7	410.7	413.6	413.6	413.6
25°	431.4	455.0	481.6	505.2	522.9	537.7	555.4	570.2	570.2	567.3	570.2
27.5°	508.2	522.9	537.7	552.5	579.1	602.7	629.3	652.9	658.9	661.8	658.9
30°	602.7	638.2	676.6	712.0	729.8	747.5	765.2	782.9	782.9	782.9	782.9
32.5°	679.5	700.2	720.9	741.6	759.3	780.0	797.7	815.4	815.4	815.4	815.4
35°	715.0	738.6	759.3	782.9	800.7	818.4	833.2	850.9	853.8	853.8	853.8
37.5°	759.3	785.9	815.4	842.0	856.8	868.6	883.4	895.2	898.2	901.1	898.2
40°	821.3	850.9	880.4	910.0	921.8	933.6	942.5	954.3	954.3	954.3	954.3
42.5°	889.3	918.8	951.3	980.9	992.7	1004.5	1016.3	1028.2	1031.1	1034.1	1031.1
45°	963.2	998.6	1034.1	1069.5	1084.3	1099.1	1110.9	1125.7	1128.6	1131.6	1128.6
47.5°	1060.7	1102.0	1146.3	1187.7	1199.5	1211.3	1223.2	1235.0	1235.0	1235.0	1235.0
50°	1164.1	1217.3	1273.4	1326.6	1332.5	1341.3	1347.2	1353.2	1356.1	1356.1	1356.1
52.5°	1285.2	1347.2	1406.3	1468.4	1471.3	1477.2	1480.2	1483.2	1483.2	1480.2	1483.2
55°	1432.9	1497.9	1565.9	1630.9	1630.9	1633.8	1633.8	1633.8	1630.9	1625.0	1630.9
57.5°	1616.1	1681.1	1743.2	1808.2	1805.2	1802.2	1799.3	1796.3	1796.3	1793.4	1796.3
60°	1802.2	1867.2	1929.3	1991.3	1985.4	1976.6	1970.6	1961.8	1958.8	1952.9	1958.8
62.5°	2015.0	2068.1	2118.4	2168.6	2156.8	2145.0	2133.1	2121.3	2121.3	2121.3	2121.3
65°	2239.5	2280.9	2319.3	2357.7	2345.9	2337.0	2325.2	2313.4	2307.5	2301.6	2307.5
67.5°	2464.0	2493.6	2520.2	2549.7	2535.0	2520.2	2505.4	2490.6	2484.7	2475.9	2484.7
70°	2620.6	2650.2	2679.7	2709.3	2694.5	2679.7	2662.0	2647.2	2644.3	2641.3	2644.3
72.5°	2709.3	2744.7	2780.2	2815.6	2806.8	2795.0	2786.1	2774.3	2771.3	2765.4	2771.3
75°	2629.5	2659.0	2685.6	2712.2	2697.5	2682.7	2667.9	2653.1	2644.3	2632.5	2644.3
77.5°	2277.9	2280.9	2280.9	2280.9	2263.1	2245.4	2227.7	2210.0	2204.1	2195.2	2204.1
80°	1583.6	1521.6	1459.5	1397.5	1338.4	1279.3	1220.2	1161.1	1146.3	1128.6	1146.3
82.5°	499.3	446.1	395.9	342.7	319.1	292.5	268.9	242.3	233.4	221.6	233.4
85°	150.7	141.8	130.0	121.1	112.3	103.4	91.6	82.7	76.8	70.9	76.8
87.5°	14.8	14.8	11.8	8.9	8.9	8.9	8.9	8.9	8.9	5.9	8.9
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: P561343  
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**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	717.9	717.9	717.9	715.0	715.0	715.0	717.9	717.9	717.9	717.9	715.0
5°	703.2	703.2	700.2	700.2	697.3	691.4	685.4	676.6	670.7	658.9	644.1
7.5°	608.6	605.7	605.7	602.7	599.8	587.9	576.1	561.4	549.5	558.4	564.3
10°	528.9	514.1	499.3	481.6	466.8	463.9	460.9	455.0	452.0	457.9	460.9
12.5°	452.0	437.3	422.5	407.7	392.9	401.8	413.6	422.5	431.4	428.4	425.4
15°	505.2	484.5	463.9	440.2	419.5	407.7	395.9	384.1	372.3	372.3	372.3
17.5°	434.3	425.4	413.6	404.8	392.9	392.9	390.0	390.0	387.0	392.9	401.8
20°	514.1	490.4	469.8	446.1	422.5	407.7	392.9	378.2	363.4	372.3	381.1
22.5°	410.7	410.7	413.6	413.6	413.6	422.5	434.3	443.2	452.0	437.3	419.5
25°	570.2	555.4	537.7	522.9	505.2	481.6	455.0	431.4	404.8	419.5	434.3
27.5°	652.9	629.3	602.7	579.1	552.5	537.7	522.9	508.2	493.4	481.6	472.7
30°	782.9	765.2	747.5	729.8	712.0	676.6	638.2	602.7	564.3	549.5	537.7
32.5°	815.4	797.7	780.0	759.3	741.6	720.9	700.2	679.5	658.9	632.3	602.7
35°	850.9	833.2	818.4	800.7	782.9	759.3	738.6	715.0	691.4	670.7	647.0
37.5°	895.2	883.4	868.6	856.8	842.0	815.4	785.9	759.3	729.8	703.2	679.5
40°	954.3	942.5	933.6	921.8	910.0	880.4	850.9	821.3	791.8	759.3	726.8
42.5°	1028.2	1016.3	1004.5	992.7	980.9	951.3	918.8	889.3	856.8	821.3	788.8
45°	1125.7	1110.9	1099.1	1084.3	1069.5	1034.1	998.6	963.2	927.7	892.3	856.8
47.5°	1235.0	1223.2	1211.3	1199.5	1187.7	1146.3	1102.0	1060.7	1016.3	980.9	945.4
50°	1353.2	1347.2	1341.3	1332.5	1326.6	1273.4	1217.3	1164.1	1107.9	1072.5	1037.0
52.5°	1483.2	1480.2	1477.2	1471.3	1468.4	1406.3	1347.2	1285.2	1223.2	1190.7	1155.2
55°	1633.8	1633.8	1633.8	1630.9	1630.9	1565.9	1497.9	1432.9	1365.0	1332.5	1300.0
57.5°	1796.3	1799.3	1802.2	1805.2	1808.2	1743.2	1681.1	1616.1	1551.1	1515.7	1483.2
60°	1961.8	1970.6	1976.6	1985.4	1991.3	1929.3	1867.2	1802.2	1740.2	1710.7	1678.2
62.5°	2121.3	2133.1	2145.0	2156.8	2168.6	2118.4	2068.1	2015.0	1964.7	1929.3	1896.8
65°	2313.4	2325.2	2337.0	2345.9	2357.7	2319.3	2280.9	2239.5	2201.1	2165.6	2130.2
67.5°	2490.6	2505.4	2520.2	2535.0	2549.7	2520.2	2493.6	2464.0	2434.5	2393.1	2354.7
70°	2647.2	2662.0	2679.7	2694.5	2709.3	2679.7	2650.2	2620.6	2591.1	2555.6	2520.2
72.5°	2774.3	2786.1	2795.0	2806.8	2815.6	2780.2	2744.7	2709.3	2673.8	2632.5	2594.0
75°	2653.1	2667.9	2682.7	2697.5	2712.2	2685.6	2659.0	2629.5	2602.9	2573.4	2543.8
77.5°	2210.0	2227.7	2245.4	2263.1	2280.9	2280.9	2280.9	2277.9	2277.9	2283.8	2286.8
80°	1161.1	1220.2	1279.3	1338.4	1397.5	1459.5	1521.6	1583.6	1645.7	1698.8	1752.0
82.5°	242.3	268.9	292.5	319.1	342.7	395.9	446.1	499.3	549.5	670.7	791.8
85°	82.7	91.6	103.4	112.3	121.1	130.0	141.8	150.7	159.5	200.9	242.3
87.5°	8.9	8.9	8.9	8.9	8.9	11.8	14.8	14.8	17.7	20.7	23.6
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):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	715.0	712.0	712.0	709.1	709.1	706.1	703.2	700.2	697.3	694.3	691.4
5°	632.3	617.5	614.5	611.6	608.6	605.7	605.7	605.7	605.7	605.7	605.7
7.5°	573.2	579.1	582.0	585.0	585.0	587.9	587.9	590.9	590.9	590.9	587.9
10°	466.8	469.8	478.6	487.5	493.4	502.3	502.3	502.3	499.3	499.3	514.1
12.5°	422.5	419.5	425.4	431.4	437.3	443.2	463.9	484.5	502.3	522.9	534.8
15°	369.3	369.3	372.3	378.2	381.1	384.1	395.9	404.8	416.6	425.4	443.2
17.5°	407.7	413.6	398.9	384.1	366.4	351.6	381.1	410.7	440.2	469.8	484.5
20°	387.0	395.9	407.7	416.6	428.4	437.3	440.2	440.2	443.2	443.2	443.2
22.5°	404.8	387.0	401.8	419.5	434.3	449.1	443.2	437.3	431.4	425.4	452.0
25°	449.1	463.9	452.0	440.2	428.4	416.6	440.2	466.8	490.4	514.1	505.2
27.5°	460.9	449.1	463.9	478.6	493.4	508.2	499.3	493.4	484.5	475.7	493.4
30°	522.9	508.2	502.3	496.4	487.5	481.6	496.4	508.2	522.9	534.8	531.8
32.5°	576.1	546.6	546.6	546.6	543.6	543.6	543.6	546.6	546.6	546.6	567.3
35°	626.4	602.7	596.8	590.9	585.0	579.1	585.0	590.9	593.9	599.8	626.4
37.5°	652.9	626.4	626.4	626.4	626.4	626.4	629.3	635.2	638.2	641.1	670.7
40°	694.3	661.8	664.8	670.7	673.6	676.6	682.5	691.4	697.3	703.2	729.8
42.5°	753.4	717.9	720.9	726.8	729.8	732.7	744.5	753.4	765.2	774.1	803.6
45°	821.3	785.9	791.8	794.8	800.7	803.6	815.4	827.3	836.1	847.9	886.3
47.5°	907.0	871.6	880.4	886.3	895.2	901.1	910.0	915.9	924.8	930.7	972.0
50°	1001.6	966.1	977.9	989.8	1001.6	1013.4	1016.3	1016.3	1019.3	1019.3	1072.5
52.5°	1122.7	1087.3	1099.1	1113.8	1125.7	1137.5	1143.4	1149.3	1152.3	1158.2	1211.3
55°	1264.5	1232.0	1249.8	1267.5	1285.2	1302.9	1305.9	1308.8	1308.8	1311.8	1365.0
57.5°	1447.7	1412.2	1435.9	1462.5	1486.1	1509.7	1509.7	1506.8	1506.8	1503.8	1557.0
60°	1648.6	1616.1	1645.7	1678.2	1707.7	1737.2	1728.4	1719.5	1707.7	1698.8	1757.9
62.5°	1861.3	1825.9	1870.2	1914.5	1958.8	2003.1	1985.4	1970.6	1952.9	1935.2	1997.2
65°	2091.8	2056.3	2109.5	2162.7	2215.9	2269.1	2236.6	2204.1	2168.6	2136.1	2207.0
67.5°	2313.4	2272.0	2328.1	2381.3	2437.5	2490.6	2452.2	2413.8	2375.4	2337.0	2419.7
70°	2484.7	2449.3	2499.5	2549.7	2600.0	2650.2	2611.8	2573.4	2535.0	2496.5	2597.0
72.5°	2552.7	2511.3	2573.4	2638.4	2700.4	2762.5	2724.0	2685.6	2644.3	2605.9	2709.3
75°	2514.3	2484.7	2570.4	2653.1	2738.8	2821.5	2765.4	2709.3	2653.1	2597.0	2688.6
77.5°	2292.7	2295.6	2416.8	2535.0	2656.1	2774.3	2673.8	2573.4	2472.9	2372.5	2416.8
80°	1805.2	1858.4	1997.2	2136.1	2272.0	2410.9	2266.1	2124.3	1979.5	1834.7	1805.2
82.5°	910.0	1031.1	1184.8	1341.3	1495.0	1648.6	1503.8	1362.0	1217.3	1072.5	980.9
85°	283.6	325.0	387.0	449.1	511.1	573.2	499.3	425.4	351.6	277.7	248.2
87.5°	23.6	26.6	26.6	23.6	23.6	20.7	23.6	26.6	26.6	29.5	26.6
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):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8	726.8
2.5°	688.4	682.5	679.5	670.7	661.8	652.9	644.1	644.1	647.0	647.0	647.0
5°	605.7	605.7	605.7	605.7	605.7	605.7	605.7	605.7	608.6	608.6	608.6
7.5°	585.0	582.0	579.1	576.1	576.1	573.2	570.2	561.4	549.5	540.7	528.9
10°	531.8	546.6	561.4	567.3	573.2	576.1	582.0	582.0	585.0	585.0	585.0
12.5°	549.5	561.4	573.2	570.2	567.3	564.3	561.4	549.5	534.8	522.9	508.2
15°	460.9	475.7	493.4	514.1	537.7	558.4	579.1	582.0	585.0	587.9	590.9
17.5°	502.3	517.0	531.8	537.7	546.6	552.5	558.4	546.6	531.8	520.0	505.2
20°	440.2	440.2	437.3	472.7	511.1	546.6	582.0	587.9	593.9	596.8	602.7
22.5°	475.7	502.3	525.9	522.9	520.0	517.0	514.1	514.1	514.1	511.1	511.1
25°	499.3	490.4	481.6	514.1	543.6	576.1	605.7	611.6	617.5	620.4	626.4
27.5°	514.1	531.8	549.5	543.6	537.7	528.9	522.9	525.9	531.8	534.8	537.7
30°	531.8	528.9	525.9	558.4	587.9	620.4	650.0	652.9	655.9	655.9	658.9
32.5°	585.0	605.7	623.4	638.2	655.9	670.7	685.4	712.0	741.6	768.2	794.8
35°	652.9	676.6	703.2	732.7	762.3	791.8	821.3	827.3	836.1	842.0	847.9
37.5°	697.3	726.8	753.4	785.9	818.4	847.9	880.4	886.3	889.3	895.2	898.2
40°	756.4	782.9	809.5	845.0	880.4	912.9	948.4	954.3	957.3	963.2	966.1
42.5°	830.2	859.8	886.3	921.8	954.3	989.8	1022.3	1025.2	1031.1	1034.1	1037.0
45°	921.8	960.2	995.7	1028.2	1057.7	1090.2	1119.8	1122.7	1125.7	1125.7	1128.6
47.5°	1013.4	1051.8	1093.2	1125.7	1158.2	1187.7	1220.2	1226.1	1229.1	1235.0	1237.9
50°	1122.7	1175.9	1226.1	1255.7	1288.2	1317.7	1347.2	1350.2	1356.1	1359.1	1362.0
52.5°	1261.6	1314.7	1365.0	1394.5	1427.0	1456.6	1486.1	1489.1	1489.1	1492.0	1492.0
55°	1418.2	1471.3	1524.5	1554.1	1583.6	1613.2	1642.7	1642.7	1642.7	1639.7	1639.7
57.5°	1610.2	1660.4	1713.6	1743.2	1772.7	1802.2	1831.8	1831.8	1831.8	1831.8	1831.8
60°	1820.0	1879.1	1938.1	1964.7	1991.3	2017.9	2044.5	2038.6	2029.7	2023.8	2015.0
62.5°	2056.3	2118.4	2177.5	2198.1	2215.9	2236.6	2254.3	2245.4	2233.6	2224.7	2212.9
65°	2277.9	2348.8	2419.7	2434.5	2449.3	2461.1	2475.9	2461.1	2446.3	2428.6	2413.8
67.5°	2502.5	2582.2	2665.0	2670.9	2676.8	2682.7	2688.6	2673.8	2659.0	2641.3	2626.5
70°	2697.5	2797.9	2898.4	2901.3	2904.3	2907.2	2910.2	2895.4	2880.6	2862.9	2848.1
72.5°	2809.7	2913.1	3013.6	3022.4	3028.4	3037.2	3043.1	3028.4	3016.5	3001.8	2987.0
75°	2777.2	2868.8	2957.4	2948.6	2939.7	2927.9	2919.0	2895.4	2871.8	2845.2	2821.5
77.5°	2461.1	2502.5	2546.8	2499.5	2449.3	2402.0	2351.8	2328.1	2301.6	2277.9	2251.3
80°	1775.7	1743.2	1713.6	1625.0	1536.3	1444.7	1356.1	1297.0	1237.9	1178.8	1119.8
82.5°	892.3	800.7	709.1	629.3	549.5	466.8	387.0	357.5	325.0	295.4	262.9
85°	221.6	192.0	162.5	150.7	138.9	127.0	115.2	100.5	88.6	73.9	59.1
87.5°	26.6	23.6	20.7	17.7	17.7	14.8	11.8	11.8	11.8	8.9	8.9
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: P561343

CATALOG NUMBER: SDL-PA1-90-830-U-5WQ

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	726.8	726.8
2.5°	647.0	644.1
5°	608.6	608.6
7.5°	525.9	520.0
10°	585.0	585.0
12.5°	511.1	514.1
15°	590.9	590.9
17.5°	505.2	502.3
20°	602.7	602.7
22.5°	511.1	511.1
25°	626.4	623.4
27.5°	537.7	537.7
30°	658.9	658.9
32.5°	797.7	800.7
35°	850.9	850.9
37.5°	901.1	901.1
40°	966.1	963.2
42.5°	1040.0	1040.0
45°	1131.6	1131.6
47.5°	1240.9	1243.8
50°	1362.0	1362.0
52.5°	1492.0	1489.1
55°	1639.7	1639.7
57.5°	1822.9	1811.1
60°	2012.0	2009.1
62.5°	2210.0	2204.1
65°	2410.9	2405.0
67.5°	2623.6	2617.7
70°	2848.1	2845.2
72.5°	2978.1	2969.3
75°	2815.6	2809.7
77.5°	2227.7	2201.1
80°	1105.0	1090.2
82.5°	262.9	262.9
85°	56.1	53.2
87.5°	8.9	8.9
90°	0.0	0.0

(END OF REPORT)