

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: P559913

Luminaire Tested: **SDL-PA1-100-827-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559913
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-PA1-100-827-U-5WQ
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7837.1 lumens
Efficiency: N/A
Efficacy: 83.6 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): 93.8
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

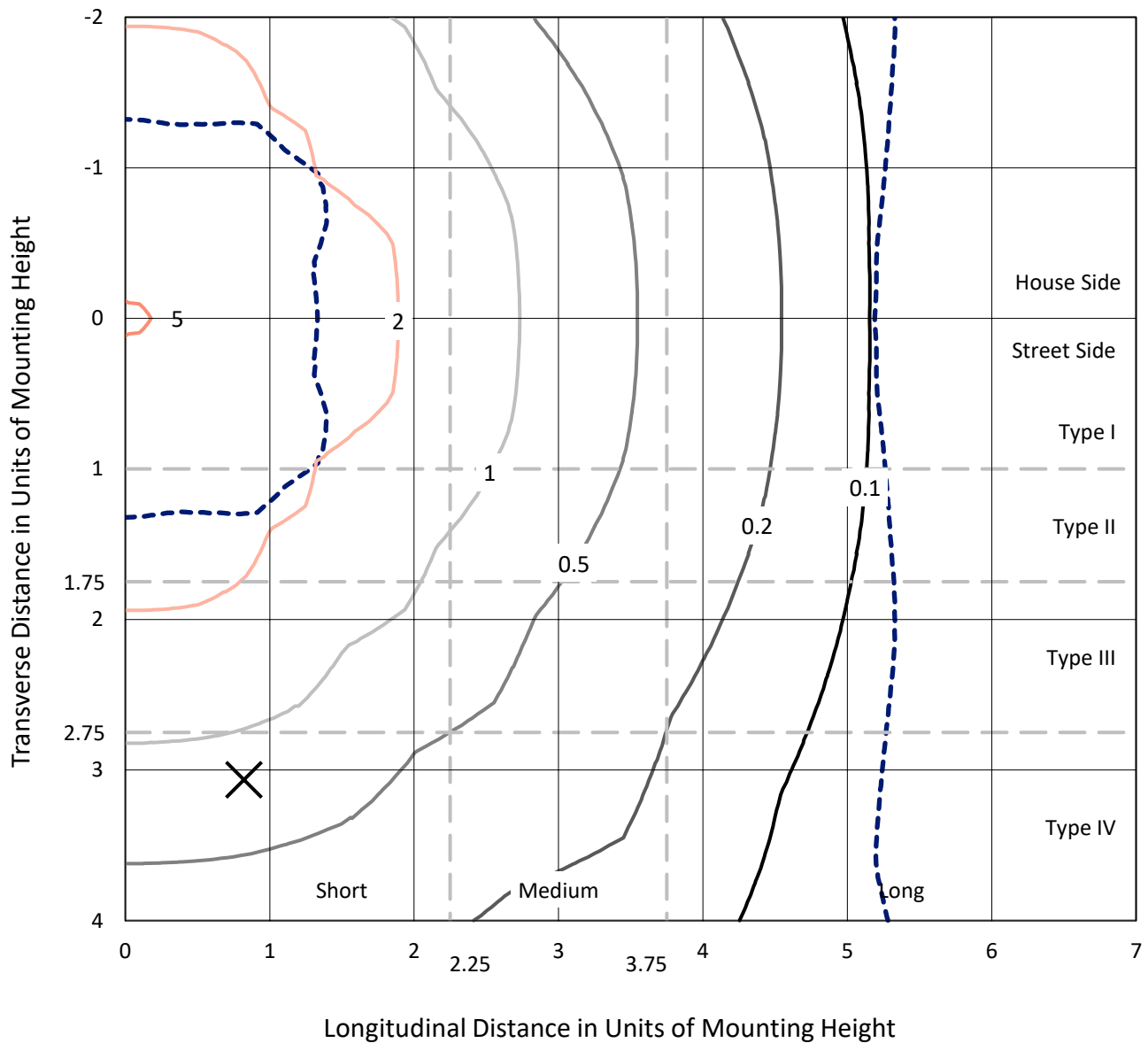


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

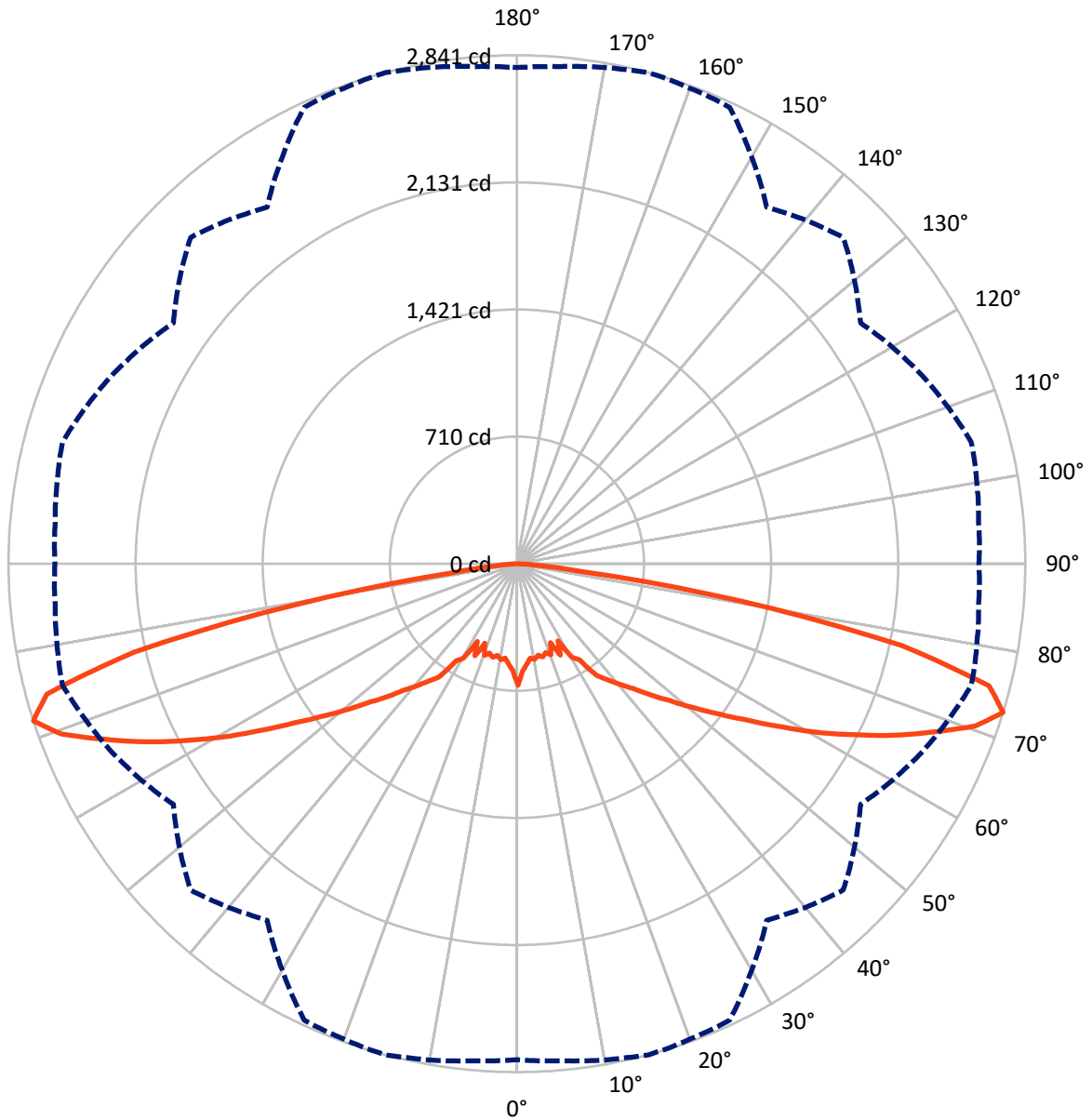


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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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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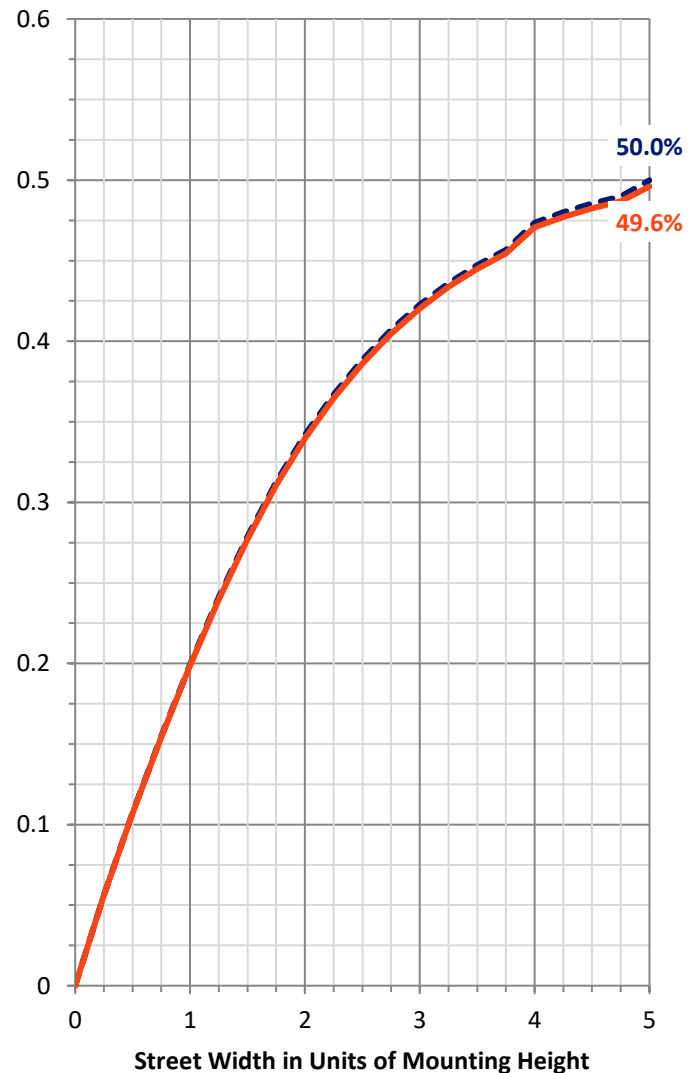
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3918.5	0.0	3918.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3918.5	0.0	3918.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7837.1	0.0	7837.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	0.7
10°-20°	123.7	1.6
20°-30°	220.7	2.8
30°-40°	422.3	5.4
40°-50°	719.2	9.2
50°-60°	1258.9	16.1
60°-70°	2124.2	27.1
70°-80°	2477.8	31.6
80°-90°	437.1	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°	7837.1	100.0
0°-180°	7837.1	100.0



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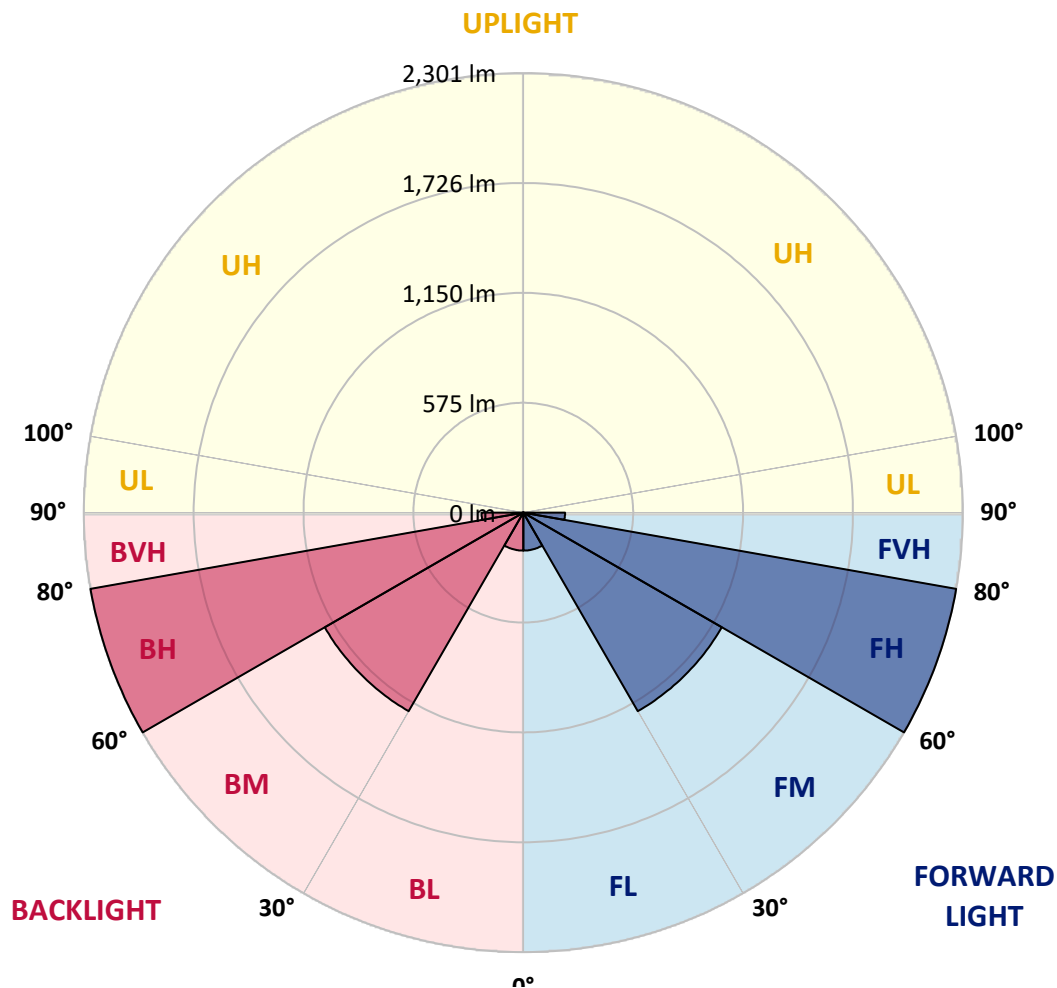
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.9	2.5			
FM	(30°-60°)	1200.2	15.3			
FH	(60°-80°)	2301.0	29.4			G2/5000
FVH	(80°-90°)	218.5	2.8			G2/225
BL	(0°-30°)	198.9	2.5	B1/500		
BM	(30°-60°)	1200.2	15.3	B2/2500		
BH	(60°-80°)	2301.0	29.4	B3/2500		G2/5000
BVH	(80°-90°)	218.5	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°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	601.3	604.1	604.1	604.1	604.1	601.3	601.3	609.6	617.9	626.1	634.4
5°	568.2	568.2	568.2	568.2	568.2	565.4	565.4	565.4	565.4	565.4	565.4
7.5°	485.5	491.0	493.7	504.8	513.0	524.1	532.3	535.1	537.9	537.9	540.6
10°	546.1	546.1	546.1	546.1	546.1	543.4	543.4	537.9	535.1	529.6	524.1
12.5°	479.9	477.2	474.4	488.2	499.2	513.0	524.1	526.8	529.6	532.3	535.1
15°	551.7	551.7	551.7	548.9	546.1	543.4	540.6	521.3	502.0	479.9	460.6
17.5°	468.9	471.7	471.7	485.5	496.5	510.3	521.3	515.8	510.3	502.0	496.5
20°	562.7	562.7	562.7	557.2	554.4	548.9	543.4	510.3	477.2	441.3	408.2
22.5°	477.2	477.2	477.2	477.2	479.9	479.9	479.9	482.7	485.5	488.2	491.0
25°	582.0	584.8	584.8	579.2	576.5	571.0	565.4	537.9	507.5	479.9	449.6
27.5°	502.0	502.0	502.0	499.2	496.5	491.0	488.2	493.7	502.0	507.5	513.0
30°	615.1	615.1	615.1	612.3	612.3	609.6	606.8	579.2	548.9	521.3	491.0
32.5°	747.5	744.7	742.0	717.2	692.3	664.7	639.9	626.1	612.3	595.8	582.0
35°	794.4	794.4	791.6	786.1	780.6	772.3	766.8	739.2	711.6	684.1	656.5
37.5°	841.3	841.3	838.5	835.8	830.2	827.5	822.0	791.6	764.0	733.7	703.4
40°	899.2	902.0	902.0	899.2	893.7	890.9	885.4	852.3	822.0	788.9	755.8
42.5°	970.9	970.9	968.2	965.4	962.6	957.1	954.4	924.0	890.9	860.6	827.5
45°	1056.4	1056.4	1053.7	1050.9	1050.9	1048.1	1045.4	1017.8	987.5	959.9	929.5
47.5°	1161.2	1158.5	1155.7	1153.0	1147.4	1144.7	1139.2	1108.8	1081.2	1050.9	1020.6
50°	1271.6	1271.6	1271.6	1268.8	1266.1	1260.5	1257.8	1230.2	1202.6	1172.3	1144.7
52.5°	1390.2	1392.9	1392.9	1392.9	1390.2	1390.2	1387.4	1359.8	1332.2	1301.9	1274.3
55°	1530.8	1530.8	1530.8	1530.8	1533.6	1533.6	1533.6	1506.0	1478.4	1450.9	1423.3
57.5°	1690.8	1701.9	1710.1	1710.1	1710.1	1710.1	1710.1	1682.6	1655.0	1627.4	1599.8
60°	1875.6	1878.4	1881.1	1889.4	1894.9	1903.2	1908.7	1883.9	1859.1	1834.3	1809.4
62.5°	2057.7	2063.2	2066.0	2077.0	2085.3	2096.3	2104.6	2088.0	2068.7	2052.2	2032.9
65°	2245.2	2250.8	2253.5	2267.3	2283.9	2297.6	2311.4	2297.6	2286.6	2272.8	2259.0
67.5°	2443.8	2449.4	2452.1	2465.9	2482.5	2496.2	2510.0	2504.5	2499.0	2493.5	2488.0
70°	2656.2	2659.0	2659.0	2672.8	2689.3	2703.1	2716.9	2714.1	2711.4	2708.6	2705.9
72.5°	2772.1	2780.3	2788.6	2802.4	2816.2	2827.2	2841.0	2835.5	2827.2	2821.7	2813.4
75°	2623.1	2628.6	2634.2	2656.2	2681.0	2703.1	2725.2	2733.5	2744.5	2752.8	2761.0
77.5°	2054.9	2079.7	2101.8	2126.6	2148.7	2173.5	2195.6	2242.5	2286.6	2333.5	2377.6
80°	1017.8	1031.6	1045.4	1100.6	1155.7	1210.9	1266.1	1348.8	1434.3	1517.1	1599.8
82.5°	245.5	245.5	245.5	275.8	303.4	333.8	361.3	435.8	513.0	587.5	662.0
85°	49.6	52.4	55.2	69.0	82.7	93.8	107.6	118.6	129.6	140.7	151.7
87.5°	8.3	8.3	8.3	8.3	11.0	11.0	11.0	13.8	16.5	16.5	19.3
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	637.2	642.7	645.4	648.2	651.0	653.7	656.5	659.2	662.0	662.0	664.7
5°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	568.2	571.0	573.7
7.5°	543.4	546.1	548.9	551.7	551.7	551.7	548.9	548.9	546.1	546.1	543.4
10°	510.3	496.5	479.9	466.1	466.1	468.9	468.9	468.9	460.6	455.1	446.8
12.5°	524.1	513.0	499.2	488.2	468.9	452.4	433.0	413.7	408.2	402.7	397.2
15°	444.1	430.3	413.7	397.2	388.9	377.9	369.6	358.6	355.8	353.1	347.5
17.5°	482.7	468.9	452.4	438.6	411.0	383.4	355.8	328.2	342.0	358.6	372.4
20°	411.0	411.0	413.7	413.7	413.7	411.0	411.0	408.2	400.0	388.9	380.6
22.5°	468.9	444.1	422.0	397.2	402.7	408.2	413.7	419.3	405.5	391.7	375.1
25°	457.9	466.1	471.7	479.9	457.9	435.8	411.0	388.9	400.0	411.0	422.0
27.5°	496.5	479.9	460.6	444.1	452.4	460.6	466.1	474.4	460.6	446.8	433.0
30°	493.7	496.5	496.5	499.2	488.2	474.4	463.4	449.6	455.1	463.4	468.9
32.5°	565.4	546.1	529.6	510.3	510.3	510.3	507.5	507.5	507.5	510.3	510.3
35°	631.6	609.6	584.8	559.9	554.4	551.7	546.1	540.6	546.1	551.7	557.2
37.5°	678.5	651.0	626.1	598.5	595.8	593.0	587.5	584.8	584.8	584.8	584.8
40°	730.9	706.1	681.3	656.5	651.0	645.4	637.2	631.6	628.9	626.1	620.6
42.5°	802.7	775.1	750.3	722.7	714.4	703.4	695.1	684.1	681.3	678.5	673.0
45°	896.4	860.6	827.5	791.6	780.6	772.3	761.3	750.3	747.5	742.0	739.2
47.5°	981.9	946.1	907.5	868.9	863.3	855.1	849.6	841.3	835.8	827.5	822.0
50°	1097.8	1048.1	1001.3	951.6	951.6	948.8	948.8	946.1	935.1	924.0	913.0
52.5°	1227.4	1177.8	1130.9	1081.2	1075.7	1073.0	1067.5	1061.9	1050.9	1039.9	1026.1
55°	1373.6	1324.0	1274.3	1224.7	1221.9	1221.9	1219.2	1216.4	1199.9	1183.3	1166.8
57.5°	1550.2	1503.3	1453.6	1404.0	1406.7	1406.7	1409.5	1409.5	1387.4	1365.3	1340.5
60°	1754.3	1699.1	1641.2	1586.0	1594.3	1605.3	1613.6	1621.9	1594.3	1566.7	1536.4
62.5°	1977.7	1919.8	1864.6	1806.7	1823.2	1839.8	1853.6	1870.1	1828.7	1787.4	1746.0
65°	2192.8	2126.6	2060.4	1994.2	2024.6	2057.7	2088.0	2118.4	2068.7	2019.1	1969.4
67.5°	2410.7	2336.3	2259.0	2181.8	2217.7	2253.5	2289.4	2325.2	2275.6	2223.2	2173.5
70°	2612.1	2518.3	2424.5	2330.7	2366.6	2402.5	2438.3	2474.2	2427.3	2380.4	2333.5
72.5°	2719.7	2623.1	2529.3	2432.8	2468.7	2507.3	2543.1	2579.0	2521.1	2463.1	2402.5
75°	2678.3	2592.8	2510.0	2424.5	2476.9	2529.3	2581.7	2634.2	2556.9	2476.9	2399.7
77.5°	2336.3	2297.6	2256.3	2214.9	2308.7	2402.5	2496.2	2590.0	2479.7	2366.6	2256.3
80°	1627.4	1657.7	1685.3	1712.9	1848.0	1983.2	2115.6	2250.8	2121.1	1994.2	1864.6
82.5°	747.5	833.0	915.7	1001.3	1136.4	1271.6	1404.0	1539.1	1395.7	1252.3	1106.1
85°	179.3	206.9	231.7	259.3	328.2	397.2	466.1	535.1	477.2	419.3	361.3
87.5°	22.1	24.8	24.8	27.6	24.8	24.8	22.1	19.3	22.1	22.1	24.8
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°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	664.7	667.5	667.5	670.3	670.3	670.3	670.3	667.5	667.5	667.5	670.3
5°	576.5	590.3	601.3	615.1	626.1	631.6	639.9	645.4	651.0	653.7	653.7
7.5°	540.6	535.1	526.8	521.3	513.0	524.1	537.9	548.9	559.9	562.7	565.4
10°	438.6	435.8	430.3	427.5	422.0	424.8	430.3	433.0	435.8	449.6	466.1
12.5°	391.7	394.4	397.2	400.0	402.7	394.4	386.2	375.1	366.9	380.6	394.4
15°	344.8	344.8	347.5	347.5	347.5	358.6	369.6	380.6	391.7	411.0	433.0
17.5°	386.2	380.6	375.1	366.9	361.3	364.1	364.1	366.9	366.9	377.9	386.2
20°	369.6	361.3	355.8	347.5	339.3	353.1	366.9	380.6	394.4	416.5	438.6
22.5°	361.3	377.9	391.7	408.2	422.0	413.7	405.5	394.4	386.2	386.2	386.2
25°	433.0	419.3	405.5	391.7	377.9	402.7	424.8	449.6	471.7	488.2	502.0
27.5°	419.3	430.3	441.3	449.6	460.6	474.4	488.2	502.0	515.8	540.6	562.7
30°	474.4	488.2	502.0	513.0	526.8	562.7	595.8	631.6	664.7	681.3	697.8
32.5°	510.3	537.9	562.7	590.3	615.1	634.4	653.7	673.0	692.3	708.9	728.2
35°	562.7	584.8	604.1	626.1	645.4	667.5	689.6	708.9	730.9	747.5	764.0
37.5°	584.8	609.6	634.4	656.5	681.3	708.9	733.7	761.3	786.1	799.9	810.9
40°	617.9	648.2	678.5	708.9	739.2	766.8	794.4	822.0	849.6	860.6	871.6
42.5°	670.3	703.4	736.5	766.8	799.9	830.2	857.8	888.2	915.7	926.8	937.8
45°	733.7	766.8	799.9	833.0	866.1	899.2	932.3	965.4	998.5	1012.3	1026.1
47.5°	813.7	846.8	882.6	915.7	948.8	990.2	1028.8	1070.2	1108.8	1119.9	1130.9
50°	902.0	935.1	968.2	1001.3	1034.4	1086.8	1136.4	1188.8	1238.5	1244.0	1252.3
52.5°	1015.0	1048.1	1078.5	1111.6	1141.9	1199.9	1257.8	1312.9	1370.9	1373.6	1379.1
55°	1150.2	1180.5	1213.6	1244.0	1274.3	1337.8	1398.4	1461.9	1522.6	1522.6	1525.3
57.5°	1318.5	1351.6	1384.7	1415.0	1448.1	1508.8	1569.5	1627.4	1688.1	1685.3	1682.6
60°	1508.8	1539.1	1566.7	1597.0	1624.6	1682.6	1743.2	1801.2	1859.1	1853.6	1845.3
62.5°	1704.6	1737.7	1770.8	1801.2	1834.3	1881.1	1930.8	1977.7	2024.6	2013.5	2002.5
65°	1919.8	1952.9	1988.7	2021.8	2054.9	2090.8	2129.4	2165.2	2201.1	2190.1	2181.8
67.5°	2121.1	2159.7	2198.3	2234.2	2272.8	2300.4	2328.0	2352.8	2380.4	2366.6	2352.8
70°	2286.6	2319.7	2352.8	2385.9	2419.0	2446.6	2474.2	2501.8	2529.3	2515.6	2501.8
72.5°	2344.5	2383.2	2421.8	2457.6	2496.2	2529.3	2562.4	2595.5	2628.6	2620.4	2609.3
75°	2319.7	2347.3	2374.9	2402.5	2430.0	2454.9	2482.5	2507.3	2532.1	2518.3	2504.5
77.5°	2143.2	2140.4	2134.9	2132.2	2126.6	2126.6	2129.4	2129.4	2129.4	2112.8	2096.3
80°	1735.0	1685.3	1635.7	1586.0	1536.4	1478.4	1420.5	1362.6	1304.7	1249.5	1194.3
82.5°	962.6	849.6	739.2	626.1	513.0	466.1	416.5	369.6	320.0	297.9	273.1
85°	303.4	264.8	226.2	187.6	148.9	140.7	132.4	121.4	113.1	104.8	96.5
87.5°	24.8	22.1	22.1	19.3	16.5	13.8	13.8	11.0	8.3	8.3	8.3
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°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	667.5	667.5	667.5
5°	656.5	656.5	656.5	656.5	656.5	656.5	656.5	653.7	653.7	651.0	645.4
7.5°	565.4	568.2	568.2	565.4	568.2	568.2	565.4	565.4	562.7	559.9	548.9
10°	479.9	493.7	493.7	493.7	493.7	493.7	479.9	466.1	449.6	435.8	433.0
12.5°	408.2	422.0	422.0	422.0	422.0	422.0	408.2	394.4	380.6	366.9	375.1
15°	452.4	471.7	471.7	471.7	471.7	471.7	452.4	433.0	411.0	391.7	380.6
17.5°	397.2	405.5	408.2	408.2	408.2	405.5	397.2	386.2	377.9	366.9	366.9
20°	457.9	479.9	482.7	485.5	482.7	479.9	457.9	438.6	416.5	394.4	380.6
22.5°	383.4	383.4	386.2	386.2	386.2	383.4	383.4	386.2	386.2	386.2	394.4
25°	518.6	532.3	532.3	529.6	532.3	532.3	518.6	502.0	488.2	471.7	449.6
27.5°	587.5	609.6	615.1	617.9	615.1	609.6	587.5	562.7	540.6	515.8	502.0
30°	714.4	730.9	730.9	730.9	730.9	730.9	714.4	697.8	681.3	664.7	631.6
32.5°	744.7	761.3	761.3	761.3	761.3	761.3	744.7	728.2	708.9	692.3	673.0
35°	777.8	794.4	797.1	797.1	797.1	794.4	777.8	764.0	747.5	730.9	708.9
37.5°	824.7	835.8	838.5	841.3	838.5	835.8	824.7	810.9	799.9	786.1	761.3
40°	879.9	890.9	890.9	890.9	890.9	890.9	879.9	871.6	860.6	849.6	822.0
42.5°	948.8	959.9	962.6	965.4	962.6	959.9	948.8	937.8	926.8	915.7	888.2
45°	1037.1	1050.9	1053.7	1056.4	1053.7	1050.9	1037.1	1026.1	1012.3	998.5	965.4
47.5°	1141.9	1153.0	1153.0	1153.0	1153.0	1153.0	1141.9	1130.9	1119.9	1108.8	1070.2
50°	1257.8	1263.3	1266.1	1266.1	1266.1	1263.3	1257.8	1252.3	1244.0	1238.5	1188.8
52.5°	1381.9	1384.7	1384.7	1381.9	1384.7	1384.7	1381.9	1379.1	1373.6	1370.9	1312.9
55°	1525.3	1525.3	1522.6	1517.1	1522.6	1525.3	1525.3	1525.3	1522.6	1522.6	1461.9
57.5°	1679.8	1677.0	1677.0	1674.3	1677.0	1677.0	1679.8	1682.6	1685.3	1688.1	1627.4
60°	1839.8	1831.5	1828.7	1823.2	1828.7	1831.5	1839.8	1845.3	1853.6	1859.1	1801.2
62.5°	1991.5	1980.4	1980.4	1980.4	1980.4	1980.4	1991.5	2002.5	2013.5	2024.6	1977.7
65°	2170.8	2159.7	2154.2	2148.7	2154.2	2159.7	2170.8	2181.8	2190.1	2201.1	2165.2
67.5°	2339.0	2325.2	2319.7	2311.4	2319.7	2325.2	2339.0	2352.8	2366.6	2380.4	2352.8
70°	2485.2	2471.4	2468.7	2465.9	2468.7	2471.4	2485.2	2501.8	2515.6	2529.3	2501.8
72.5°	2601.1	2590.0	2587.3	2581.7	2587.3	2590.0	2601.1	2609.3	2620.4	2628.6	2595.5
75°	2490.7	2476.9	2468.7	2457.6	2468.7	2476.9	2490.7	2504.5	2518.3	2532.1	2507.3
77.5°	2079.7	2063.2	2057.7	2049.4	2057.7	2063.2	2079.7	2096.3	2112.8	2129.4	2129.4
80°	1139.2	1084.0	1070.2	1053.7	1070.2	1084.0	1139.2	1194.3	1249.5	1304.7	1362.6
82.5°	251.0	226.2	217.9	206.9	217.9	226.2	251.0	273.1	297.9	320.0	369.6
85°	85.5	77.2	71.7	66.2	71.7	77.2	85.5	96.5	104.8	113.1	121.4
87.5°	8.3	8.3	8.3	5.5	8.3	8.3	8.3	8.3	8.3	8.3	11.0
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-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	670.3	670.3	670.3	670.3	667.5	667.5	664.7	664.7	662.0	662.0	659.2
5°	639.9	631.6	626.1	615.1	601.3	590.3	576.5	573.7	571.0	568.2	565.4
7.5°	537.9	524.1	513.0	521.3	526.8	535.1	540.6	543.4	546.1	546.1	548.9
10°	430.3	424.8	422.0	427.5	430.3	435.8	438.6	446.8	455.1	460.6	468.9
12.5°	386.2	394.4	402.7	400.0	397.2	394.4	391.7	397.2	402.7	408.2	413.7
15°	369.6	358.6	347.5	347.5	347.5	344.8	344.8	347.5	353.1	355.8	358.6
17.5°	364.1	364.1	361.3	366.9	375.1	380.6	386.2	372.4	358.6	342.0	328.2
20°	366.9	353.1	339.3	347.5	355.8	361.3	369.6	380.6	388.9	400.0	408.2
22.5°	405.5	413.7	422.0	408.2	391.7	377.9	361.3	375.1	391.7	405.5	419.3
25°	424.8	402.7	377.9	391.7	405.5	419.3	433.0	422.0	411.0	400.0	388.9
27.5°	488.2	474.4	460.6	449.6	441.3	430.3	419.3	433.0	446.8	460.6	474.4
30°	595.8	562.7	526.8	513.0	502.0	488.2	474.4	468.9	463.4	455.1	449.6
32.5°	653.7	634.4	615.1	590.3	562.7	537.9	510.3	510.3	510.3	507.5	507.5
35°	689.6	667.5	645.4	626.1	604.1	584.8	562.7	557.2	551.7	546.1	540.6
37.5°	733.7	708.9	681.3	656.5	634.4	609.6	584.8	584.8	584.8	584.8	584.8
40°	794.4	766.8	739.2	708.9	678.5	648.2	617.9	620.6	626.1	628.9	631.6
42.5°	857.8	830.2	799.9	766.8	736.5	703.4	670.3	673.0	678.5	681.3	684.1
45°	932.3	899.2	866.1	833.0	799.9	766.8	733.7	739.2	742.0	747.5	750.3
47.5°	1028.8	990.2	948.8	915.7	882.6	846.8	813.7	822.0	827.5	835.8	841.3
50°	1136.4	1086.8	1034.4	1001.3	968.2	935.1	902.0	913.0	924.0	935.1	946.1
52.5°	1257.8	1199.9	1141.9	1111.6	1078.5	1048.1	1015.0	1026.1	1039.9	1050.9	1061.9
55°	1398.4	1337.8	1274.3	1244.0	1213.6	1180.5	1150.2	1166.8	1183.3	1199.9	1216.4
57.5°	1569.5	1508.8	1448.1	1415.0	1384.7	1351.6	1318.5	1340.5	1365.3	1387.4	1409.5
60°	1743.2	1682.6	1624.6	1597.0	1566.7	1539.1	1508.8	1536.4	1566.7	1594.3	1621.9
62.5°	1930.8	1881.1	1834.3	1801.2	1770.8	1737.7	1704.6	1746.0	1787.4	1828.7	1870.1
65°	2129.4	2090.8	2054.9	2021.8	1988.7	1952.9	1919.8	1969.4	2019.1	2068.7	2118.4
67.5°	2328.0	2300.4	2272.8	2234.2	2198.3	2159.7	2121.1	2173.5	2223.2	2275.6	2325.2
70°	2474.2	2446.6	2419.0	2385.9	2352.8	2319.7	2286.6	2333.5	2380.4	2427.3	2474.2
72.5°	2562.4	2529.3	2496.2	2457.6	2421.8	2383.2	2344.5	2402.5	2463.1	2521.1	2579.0
75°	2482.5	2454.9	2430.0	2402.5	2374.9	2347.3	2319.7	2399.7	2476.9	2556.9	2634.2
77.5°	2129.4	2126.6	2126.6	2132.2	2134.9	2140.4	2143.2	2256.3	2366.6	2479.7	2590.0
80°	1420.5	1478.4	1536.4	1586.0	1635.7	1685.3	1735.0	1864.6	1994.2	2121.1	2250.8
82.5°	416.5	466.1	513.0	626.1	739.2	849.6	962.6	1106.1	1252.3	1395.7	1539.1
85°	132.4	140.7	148.9	187.6	226.2	264.8	303.4	361.3	419.3	477.2	535.1
87.5°	13.8	13.8	16.5	19.3	22.1	22.1	24.8	24.8	22.1	22.1	19.3
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-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	656.5	653.7	651.0	648.2	645.4	642.7	637.2	634.4	626.1	617.9	609.6
5°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
7.5°	548.9	551.7	551.7	551.7	548.9	546.1	543.4	540.6	537.9	537.9	535.1
10°	468.9	468.9	466.1	466.1	479.9	496.5	510.3	524.1	529.6	535.1	537.9
12.5°	433.0	452.4	468.9	488.2	499.2	513.0	524.1	535.1	532.3	529.6	526.8
15°	369.6	377.9	388.9	397.2	413.7	430.3	444.1	460.6	479.9	502.0	521.3
17.5°	355.8	383.4	411.0	438.6	452.4	468.9	482.7	496.5	502.0	510.3	515.8
20°	411.0	411.0	413.7	413.7	413.7	411.0	411.0	408.2	441.3	477.2	510.3
22.5°	413.7	408.2	402.7	397.2	422.0	444.1	468.9	491.0	488.2	485.5	482.7
25°	411.0	435.8	457.9	479.9	471.7	466.1	457.9	449.6	479.9	507.5	537.9
27.5°	466.1	460.6	452.4	444.1	460.6	479.9	496.5	513.0	507.5	502.0	493.7
30°	463.4	474.4	488.2	499.2	496.5	496.5	493.7	491.0	521.3	548.9	579.2
32.5°	507.5	510.3	510.3	510.3	529.6	546.1	565.4	582.0	595.8	612.3	626.1
35°	546.1	551.7	554.4	559.9	584.8	609.6	631.6	656.5	684.1	711.6	739.2
37.5°	587.5	593.0	595.8	598.5	626.1	651.0	678.5	703.4	733.7	764.0	791.6
40°	637.2	645.4	651.0	656.5	681.3	706.1	730.9	755.8	788.9	822.0	852.3
42.5°	695.1	703.4	714.4	722.7	750.3	775.1	802.7	827.5	860.6	890.9	924.0
45°	761.3	772.3	780.6	791.6	827.5	860.6	896.4	929.5	959.9	987.5	1017.8
47.5°	849.6	855.1	863.3	868.9	907.5	946.1	981.9	1020.6	1050.9	1081.2	1108.8
50°	948.8	948.8	951.6	951.6	1001.3	1048.1	1097.8	1144.7	1172.3	1202.6	1230.2
52.5°	1067.5	1073.0	1075.7	1081.2	1130.9	1177.8	1227.4	1274.3	1301.9	1332.2	1359.8
55°	1219.2	1221.9	1221.9	1224.7	1274.3	1324.0	1373.6	1423.3	1450.9	1478.4	1506.0
57.5°	1409.5	1406.7	1406.7	1404.0	1453.6	1503.3	1550.2	1599.8	1627.4	1655.0	1682.6
60°	1613.6	1605.3	1594.3	1586.0	1641.2	1699.1	1754.3	1809.4	1834.3	1859.1	1883.9
62.5°	1853.6	1839.8	1823.2	1806.7	1864.6	1919.8	1977.7	2032.9	2052.2	2068.7	2088.0
65°	2088.0	2057.7	2024.6	1994.2	2060.4	2126.6	2192.8	2259.0	2272.8	2286.6	2297.6
67.5°	2289.4	2253.5	2217.7	2181.8	2259.0	2336.3	2410.7	2488.0	2493.5	2499.0	2504.5
70°	2438.3	2402.5	2366.6	2330.7	2424.5	2518.3	2612.1	2705.9	2708.6	2711.4	2714.1
72.5°	2543.1	2507.3	2468.7	2432.8	2529.3	2623.1	2719.7	2813.4	2821.7	2827.2	2835.5
75°	2581.7	2529.3	2476.9	2424.5	2510.0	2592.8	2678.3	2761.0	2752.8	2744.5	2733.5
77.5°	2496.2	2402.5	2308.7	2214.9	2256.3	2297.6	2336.3	2377.6	2333.5	2286.6	2242.5
80°	2115.6	1983.2	1848.0	1712.9	1685.3	1657.7	1627.4	1599.8	1517.1	1434.3	1348.8
82.5°	1404.0	1271.6	1136.4	1001.3	915.7	833.0	747.5	662.0	587.5	513.0	435.8
85°	466.1	397.2	328.2	259.3	231.7	206.9	179.3	151.7	140.7	129.6	118.6
87.5°	22.1	24.8	24.8	27.6	24.8	24.8	22.1	19.3	16.5	16.5	13.8
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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CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	601.3	601.3	604.1	604.1	604.1	604.1	601.3	604.1	604.1	604.1	604.1
5°	565.4	565.4	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
7.5°	532.3	524.1	513.0	504.8	493.7	491.0	485.5	491.0	493.7	504.8	513.0
10°	543.4	543.4	546.1	546.1	546.1	546.1	546.1	546.1	546.1	546.1	546.1
12.5°	524.1	513.0	499.2	488.2	474.4	477.2	479.9	477.2	474.4	488.2	499.2
15°	540.6	543.4	546.1	548.9	551.7	551.7	551.7	551.7	551.7	548.9	546.1
17.5°	521.3	510.3	496.5	485.5	471.7	471.7	468.9	471.7	471.7	485.5	496.5
20°	543.4	548.9	554.4	557.2	562.7	562.7	562.7	562.7	562.7	557.2	554.4
22.5°	479.9	479.9	479.9	477.2	477.2	477.2	477.2	477.2	477.2	477.2	479.9
25°	565.4	571.0	576.5	579.2	584.8	584.8	582.0	584.8	584.8	579.2	576.5
27.5°	488.2	491.0	496.5	499.2	502.0	502.0	502.0	502.0	502.0	499.2	496.5
30°	606.8	609.6	612.3	612.3	615.1	615.1	615.1	615.1	615.1	612.3	612.3
32.5°	639.9	664.7	692.3	717.2	742.0	744.7	747.5	744.7	742.0	717.2	692.3
35°	766.8	772.3	780.6	786.1	791.6	794.4	794.4	794.4	791.6	786.1	780.6
37.5°	822.0	827.5	830.2	835.8	838.5	841.3	841.3	841.3	838.5	835.8	830.2
40°	885.4	890.9	893.7	899.2	902.0	902.0	899.2	902.0	902.0	899.2	893.7
42.5°	954.4	957.1	962.6	965.4	968.2	970.9	970.9	970.9	968.2	965.4	962.6
45°	1045.4	1048.1	1050.9	1050.9	1053.7	1056.4	1056.4	1056.4	1053.7	1050.9	1050.9
47.5°	1139.2	1144.7	1147.4	1153.0	1155.7	1158.5	1161.2	1158.5	1155.7	1153.0	1147.4
50°	1257.8	1260.5	1266.1	1268.8	1271.6	1271.6	1271.6	1271.6	1271.6	1268.8	1266.1
52.5°	1387.4	1390.2	1390.2	1392.9	1392.9	1392.9	1390.2	1392.9	1392.9	1392.9	1390.2
55°	1533.6	1533.6	1533.6	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1533.6
57.5°	1710.1	1710.1	1710.1	1710.1	1710.1	1701.9	1690.8	1701.9	1710.1	1710.1	1710.1
60°	1908.7	1903.2	1894.9	1889.4	1881.1	1878.4	1875.6	1878.4	1881.1	1889.4	1894.9
62.5°	2104.6	2096.3	2085.3	2077.0	2066.0	2063.2	2057.7	2063.2	2066.0	2077.0	2085.3
65°	2311.4	2297.6	2283.9	2267.3	2253.5	2250.8	2245.2	2250.8	2253.5	2267.3	2283.9
67.5°	2510.0	2496.2	2482.5	2465.9	2452.1	2449.4	2443.8	2449.4	2452.1	2465.9	2482.5
70°	2716.9	2703.1	2689.3	2672.8	2659.0	2659.0	2656.2	2659.0	2659.0	2672.8	2689.3
72.5°	2841.0	2827.2	2816.2	2802.4	2788.6	2780.3	2772.1	2780.3	2788.6	2802.4	2816.2
75°	2725.2	2703.1	2681.0	2656.2	2634.2	2628.6	2623.1	2628.6	2634.2	2656.2	2681.0
77.5°	2195.6	2173.5	2148.7	2126.6	2101.8	2079.7	2054.9	2079.7	2101.8	2126.6	2148.7
80°	1266.1	1210.9	1155.7	1100.6	1045.4	1031.6	1017.8	1031.6	1045.4	1100.6	1155.7
82.5°	361.3	333.8	303.4	275.8	245.5	245.5	245.5	245.5	245.5	275.8	303.4
85°	107.6	93.8	82.7	69.0	55.2	52.4	49.6	52.4	55.2	69.0	82.7
87.5°	11.0	11.0	11.0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.0
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: P559913

CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	601.3	601.3	609.6	617.9	626.1	634.4	637.2	642.7	645.4	648.2	651.0
5°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
7.5°	524.1	532.3	535.1	537.9	537.9	540.6	543.4	546.1	548.9	551.7	551.7
10°	543.4	543.4	537.9	535.1	529.6	524.1	510.3	496.5	479.9	466.1	466.1
12.5°	513.0	524.1	526.8	529.6	532.3	535.1	524.1	513.0	499.2	488.2	468.9
15°	543.4	540.6	521.3	502.0	479.9	460.6	444.1	430.3	413.7	397.2	388.9
17.5°	510.3	521.3	515.8	510.3	502.0	496.5	482.7	468.9	452.4	438.6	411.0
20°	548.9	543.4	510.3	477.2	441.3	408.2	411.0	411.0	413.7	413.7	413.7
22.5°	479.9	479.9	482.7	485.5	488.2	491.0	468.9	444.1	422.0	397.2	402.7
25°	571.0	565.4	537.9	507.5	479.9	449.6	457.9	466.1	471.7	479.9	457.9
27.5°	491.0	488.2	493.7	502.0	507.5	513.0	496.5	479.9	460.6	444.1	452.4
30°	609.6	606.8	579.2	548.9	521.3	491.0	493.7	496.5	496.5	499.2	488.2
32.5°	664.7	639.9	626.1	612.3	595.8	582.0	565.4	546.1	529.6	510.3	510.3
35°	772.3	766.8	739.2	711.6	684.1	656.5	631.6	609.6	584.8	559.9	554.4
37.5°	827.5	822.0	791.6	764.0	733.7	703.4	678.5	651.0	626.1	598.5	595.8
40°	890.9	885.4	852.3	822.0	788.9	755.8	730.9	706.1	681.3	656.5	651.0
42.5°	957.1	954.4	924.0	890.9	860.6	827.5	802.7	775.1	750.3	722.7	714.4
45°	1048.1	1045.4	1017.8	987.5	959.9	929.5	896.4	860.6	827.5	791.6	780.6
47.5°	1144.7	1139.2	1108.8	1081.2	1050.9	1020.6	981.9	946.1	907.5	868.9	863.3
50°	1260.5	1257.8	1230.2	1202.6	1172.3	1144.7	1097.8	1048.1	1001.3	951.6	951.6
52.5°	1390.2	1387.4	1359.8	1332.2	1301.9	1274.3	1227.4	1177.8	1130.9	1081.2	1075.7
55°	1533.6	1533.6	1506.0	1478.4	1450.9	1423.3	1373.6	1324.0	1274.3	1224.7	1221.9
57.5°	1710.1	1710.1	1682.6	1655.0	1627.4	1599.8	1550.2	1503.3	1453.6	1404.0	1406.7
60°	1903.2	1908.7	1883.9	1859.1	1834.3	1809.4	1754.3	1699.1	1641.2	1586.0	1594.3
62.5°	2096.3	2104.6	2088.0	2068.7	2052.2	2032.9	1977.7	1919.8	1864.6	1806.7	1823.2
65°	2297.6	2311.4	2297.6	2286.6	2272.8	2259.0	2192.8	2126.6	2060.4	1994.2	2024.6
67.5°	2496.2	2510.0	2504.5	2499.0	2493.5	2488.0	2410.7	2336.3	2259.0	2181.8	2217.7
70°	2703.1	2716.9	2714.1	2711.4	2708.6	2705.9	2612.1	2518.3	2424.5	2330.7	2366.6
72.5°	2827.2	2841.0	2835.5	2827.2	2821.7	2813.4	2719.7	2623.1	2529.3	2432.8	2468.7
75°	2703.1	2725.2	2733.5	2744.5	2752.8	2761.0	2678.3	2592.8	2510.0	2424.5	2476.9
77.5°	2173.5	2195.6	2242.5	2286.6	2333.5	2377.6	2336.3	2297.6	2256.3	2214.9	2308.7
80°	1210.9	1266.1	1348.8	1434.3	1517.1	1599.8	1627.4	1657.7	1685.3	1712.9	1848.0
82.5°	333.8	361.3	435.8	513.0	587.5	662.0	747.5	833.0	915.7	1001.3	1136.4
85°	93.8	107.6	118.6	129.6	140.7	151.7	179.3	206.9	231.7	259.3	328.2
87.5°	11.0	11.0	13.8	16.5	16.5	19.3	22.1	24.8	24.8	27.6	24.8
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: P559913

CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	653.7	656.5	659.2	662.0	662.0	664.7	664.7	667.5	667.5	670.3	670.3
5°	565.4	565.4	565.4	568.2	571.0	573.7	576.5	590.3	601.3	615.1	626.1
7.5°	551.7	548.9	548.9	546.1	546.1	543.4	540.6	535.1	526.8	521.3	513.0
10°	468.9	468.9	468.9	460.6	455.1	446.8	438.6	435.8	430.3	427.5	422.0
12.5°	452.4	433.0	413.7	408.2	402.7	397.2	391.7	394.4	397.2	400.0	402.7
15°	377.9	369.6	358.6	355.8	353.1	347.5	344.8	344.8	347.5	347.5	347.5
17.5°	383.4	355.8	328.2	342.0	358.6	372.4	386.2	380.6	375.1	366.9	361.3
20°	411.0	411.0	408.2	400.0	388.9	380.6	369.6	361.3	355.8	347.5	339.3
22.5°	408.2	413.7	419.3	405.5	391.7	375.1	361.3	377.9	391.7	408.2	422.0
25°	435.8	411.0	388.9	400.0	411.0	422.0	433.0	419.3	405.5	391.7	377.9
27.5°	460.6	466.1	474.4	460.6	446.8	433.0	419.3	430.3	441.3	449.6	460.6
30°	474.4	463.4	449.6	455.1	463.4	468.9	474.4	488.2	502.0	513.0	526.8
32.5°	510.3	507.5	507.5	507.5	510.3	510.3	510.3	537.9	562.7	590.3	615.1
35°	551.7	546.1	540.6	546.1	551.7	557.2	562.7	584.8	604.1	626.1	645.4
37.5°	593.0	587.5	584.8	584.8	584.8	584.8	584.8	609.6	634.4	656.5	681.3
40°	645.4	637.2	631.6	628.9	626.1	620.6	617.9	648.2	678.5	708.9	739.2
42.5°	703.4	695.1	684.1	681.3	678.5	673.0	670.3	703.4	736.5	766.8	799.9
45°	772.3	761.3	750.3	747.5	742.0	739.2	733.7	766.8	799.9	833.0	866.1
47.5°	855.1	849.6	841.3	835.8	827.5	822.0	813.7	846.8	882.6	915.7	948.8
50°	948.8	948.8	946.1	935.1	924.0	913.0	902.0	935.1	968.2	1001.3	1034.4
52.5°	1073.0	1067.5	1061.9	1050.9	1039.9	1026.1	1015.0	1048.1	1078.5	1111.6	1141.9
55°	1221.9	1219.2	1216.4	1199.9	1183.3	1166.8	1150.2	1180.5	1213.6	1244.0	1274.3
57.5°	1406.7	1409.5	1409.5	1387.4	1365.3	1340.5	1318.5	1351.6	1384.7	1415.0	1448.1
60°	1605.3	1613.6	1621.9	1594.3	1566.7	1536.4	1508.8	1539.1	1566.7	1597.0	1624.6
62.5°	1839.8	1853.6	1870.1	1828.7	1787.4	1746.0	1704.6	1737.7	1770.8	1801.2	1834.3
65°	2057.7	2088.0	2118.4	2068.7	2019.1	1969.4	1919.8	1952.9	1988.7	2021.8	2054.9
67.5°	2253.5	2289.4	2325.2	2275.6	2223.2	2173.5	2121.1	2159.7	2198.3	2234.2	2272.8
70°	2402.5	2438.3	2474.2	2427.3	2380.4	2333.5	2286.6	2319.7	2352.8	2385.9	2419.0
72.5°	2507.3	2543.1	2579.0	2521.1	2463.1	2402.5	2344.5	2383.2	2421.8	2457.6	2496.2
75°	2529.3	2581.7	2634.2	2556.9	2476.9	2399.7	2319.7	2347.3	2374.9	2402.5	2430.0
77.5°	2402.5	2496.2	2590.0	2479.7	2366.6	2256.3	2143.2	2140.4	2134.9	2132.2	2126.6
80°	1983.2	2115.6	2250.8	2121.1	1994.2	1864.6	1735.0	1685.3	1635.7	1586.0	1536.4
82.5°	1271.6	1404.0	1539.1	1395.7	1252.3	1106.1	962.6	849.6	739.2	626.1	513.0
85°	397.2	466.1	535.1	477.2	419.3	361.3	303.4	264.8	226.2	187.6	148.9
87.5°	24.8	22.1	19.3	22.1	22.1	24.8	24.8	22.1	22.1	19.3	16.5
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: P559913

CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	670.3	670.3	667.5	667.5	667.5	670.3	670.3	670.3	670.3	670.3	670.3
5°	631.6	639.9	645.4	651.0	653.7	653.7	656.5	656.5	656.5	656.5	656.5
7.5°	524.1	537.9	548.9	559.9	562.7	565.4	565.4	568.2	568.2	565.4	568.2
10°	424.8	430.3	433.0	435.8	449.6	466.1	479.9	493.7	493.7	493.7	493.7
12.5°	394.4	386.2	375.1	366.9	380.6	394.4	408.2	422.0	422.0	422.0	422.0
15°	358.6	369.6	380.6	391.7	411.0	433.0	452.4	471.7	471.7	471.7	471.7
17.5°	364.1	364.1	366.9	366.9	377.9	386.2	397.2	405.5	408.2	408.2	408.2
20°	353.1	366.9	380.6	394.4	416.5	438.6	457.9	479.9	482.7	485.5	482.7
22.5°	413.7	405.5	394.4	386.2	386.2	386.2	383.4	383.4	386.2	386.2	386.2
25°	402.7	424.8	449.6	471.7	488.2	502.0	518.6	532.3	532.3	529.6	532.3
27.5°	474.4	488.2	502.0	515.8	540.6	562.7	587.5	609.6	615.1	617.9	615.1
30°	562.7	595.8	631.6	664.7	681.3	697.8	714.4	730.9	730.9	730.9	730.9
32.5°	634.4	653.7	673.0	692.3	708.9	728.2	744.7	761.3	761.3	761.3	761.3
35°	667.5	689.6	708.9	730.9	747.5	764.0	777.8	794.4	797.1	797.1	797.1
37.5°	708.9	733.7	761.3	786.1	799.9	810.9	824.7	835.8	838.5	841.3	838.5
40°	766.8	794.4	822.0	849.6	860.6	871.6	879.9	890.9	890.9	890.9	890.9
42.5°	830.2	857.8	888.2	915.7	926.8	937.8	948.8	959.9	962.6	965.4	962.6
45°	899.2	932.3	965.4	998.5	1012.3	1026.1	1037.1	1050.9	1053.7	1056.4	1053.7
47.5°	990.2	1028.8	1070.2	1108.8	1119.9	1130.9	1141.9	1153.0	1153.0	1153.0	1153.0
50°	1086.8	1136.4	1188.8	1238.5	1244.0	1252.3	1257.8	1263.3	1266.1	1266.1	1266.1
52.5°	1199.9	1257.8	1312.9	1370.9	1373.6	1379.1	1381.9	1384.7	1384.7	1381.9	1384.7
55°	1337.8	1398.4	1461.9	1522.6	1522.6	1525.3	1525.3	1525.3	1522.6	1517.1	1522.6
57.5°	1508.8	1569.5	1627.4	1688.1	1685.3	1682.6	1679.8	1677.0	1677.0	1674.3	1677.0
60°	1682.6	1743.2	1801.2	1859.1	1853.6	1845.3	1839.8	1831.5	1828.7	1823.2	1828.7
62.5°	1881.1	1930.8	1977.7	2024.6	2013.5	2002.5	1991.5	1980.4	1980.4	1980.4	1980.4
65°	2090.8	2129.4	2165.2	2201.1	2190.1	2181.8	2170.8	2159.7	2154.2	2148.7	2154.2
67.5°	2300.4	2328.0	2352.8	2380.4	2366.6	2352.8	2339.0	2325.2	2319.7	2311.4	2319.7
70°	2446.6	2474.2	2501.8	2529.3	2515.6	2501.8	2485.2	2471.4	2468.7	2465.9	2468.7
72.5°	2529.3	2562.4	2595.5	2628.6	2620.4	2609.3	2601.1	2590.0	2587.3	2581.7	2587.3
75°	2454.9	2482.5	2507.3	2532.1	2518.3	2504.5	2490.7	2476.9	2468.7	2457.6	2468.7
77.5°	2126.6	2129.4	2129.4	2129.4	2112.8	2096.3	2079.7	2063.2	2057.7	2049.4	2057.7
80°	1478.4	1420.5	1362.6	1304.7	1249.5	1194.3	1139.2	1084.0	1070.2	1053.7	1070.2
82.5°	466.1	416.5	369.6	320.0	297.9	273.1	251.0	226.2	217.9	206.9	217.9
85°	140.7	132.4	121.4	113.1	104.8	96.5	85.5	77.2	71.7	66.2	71.7
87.5°	13.8	13.8	11.0	8.3	8.3	8.3	8.3	8.3	8.3	5.5	8.3
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: P559913

CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	670.3	670.3	670.3	667.5	667.5	667.5	670.3	670.3	670.3	670.3	667.5
5°	656.5	656.5	653.7	653.7	651.0	645.4	639.9	631.6	626.1	615.1	601.3
7.5°	568.2	565.4	565.4	562.7	559.9	548.9	537.9	524.1	513.0	521.3	526.8
10°	493.7	479.9	466.1	449.6	435.8	433.0	430.3	424.8	422.0	427.5	430.3
12.5°	422.0	408.2	394.4	380.6	366.9	375.1	386.2	394.4	402.7	400.0	397.2
15°	471.7	452.4	433.0	411.0	391.7	380.6	369.6	358.6	347.5	347.5	347.5
17.5°	405.5	397.2	386.2	377.9	366.9	366.9	364.1	364.1	361.3	366.9	375.1
20°	479.9	457.9	438.6	416.5	394.4	380.6	366.9	353.1	339.3	347.5	355.8
22.5°	383.4	383.4	386.2	386.2	386.2	394.4	405.5	413.7	422.0	408.2	391.7
25°	532.3	518.6	502.0	488.2	471.7	449.6	424.8	402.7	377.9	391.7	405.5
27.5°	609.6	587.5	562.7	540.6	515.8	502.0	488.2	474.4	460.6	449.6	441.3
30°	730.9	714.4	697.8	681.3	664.7	631.6	595.8	562.7	526.8	513.0	502.0
32.5°	761.3	744.7	728.2	708.9	692.3	673.0	653.7	634.4	615.1	590.3	562.7
35°	794.4	777.8	764.0	747.5	730.9	708.9	689.6	667.5	645.4	626.1	604.1
37.5°	835.8	824.7	810.9	799.9	786.1	761.3	733.7	708.9	681.3	656.5	634.4
40°	890.9	879.9	871.6	860.6	849.6	822.0	794.4	766.8	739.2	708.9	678.5
42.5°	959.9	948.8	937.8	926.8	915.7	888.2	857.8	830.2	799.9	766.8	736.5
45°	1050.9	1037.1	1026.1	1012.3	998.5	965.4	932.3	899.2	866.1	833.0	799.9
47.5°	1153.0	1141.9	1130.9	1119.9	1108.8	1070.2	1028.8	990.2	948.8	915.7	882.6
50°	1263.3	1257.8	1252.3	1244.0	1238.5	1188.8	1136.4	1086.8	1034.4	1001.3	968.2
52.5°	1384.7	1381.9	1379.1	1373.6	1370.9	1312.9	1257.8	1199.9	1141.9	1111.6	1078.5
55°	1525.3	1525.3	1525.3	1522.6	1522.6	1461.9	1398.4	1337.8	1274.3	1244.0	1213.6
57.5°	1677.0	1679.8	1682.6	1685.3	1688.1	1627.4	1569.5	1508.8	1448.1	1415.0	1384.7
60°	1831.5	1839.8	1845.3	1853.6	1859.1	1801.2	1743.2	1682.6	1624.6	1597.0	1566.7
62.5°	1980.4	1991.5	2002.5	2013.5	2024.6	1977.7	1930.8	1881.1	1834.3	1801.2	1770.8
65°	2159.7	2170.8	2181.8	2190.1	2201.1	2165.2	2129.4	2090.8	2054.9	2021.8	1988.7
67.5°	2325.2	2339.0	2352.8	2366.6	2380.4	2352.8	2328.0	2300.4	2272.8	2234.2	2198.3
70°	2471.4	2485.2	2501.8	2515.6	2529.3	2501.8	2474.2	2446.6	2419.0	2385.9	2352.8
72.5°	2590.0	2601.1	2609.3	2620.4	2628.6	2595.5	2562.4	2529.3	2496.2	2457.6	2421.8
75°	2476.9	2490.7	2504.5	2518.3	2532.1	2507.3	2482.5	2454.9	2430.0	2402.5	2374.9
77.5°	2063.2	2079.7	2096.3	2112.8	2129.4	2129.4	2129.4	2126.6	2126.6	2132.2	2134.9
80°	1084.0	1139.2	1194.3	1249.5	1304.7	1362.6	1420.5	1478.4	1536.4	1586.0	1635.7
82.5°	226.2	251.0	273.1	297.9	320.0	369.6	416.5	466.1	513.0	626.1	739.2
85°	77.2	85.5	96.5	104.8	113.1	121.4	132.4	140.7	148.9	187.6	226.2
87.5°	8.3	8.3	8.3	8.3	8.3	11.0	13.8	13.8	16.5	19.3	22.1
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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CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	667.5	664.7	664.7	662.0	662.0	659.2	656.5	653.7	651.0	648.2	645.4
5°	590.3	576.5	573.7	571.0	568.2	565.4	565.4	565.4	565.4	565.4	565.4
7.5°	535.1	540.6	543.4	546.1	546.1	548.9	548.9	551.7	551.7	551.7	548.9
10°	435.8	438.6	446.8	455.1	460.6	468.9	468.9	468.9	466.1	466.1	479.9
12.5°	394.4	391.7	397.2	402.7	408.2	413.7	433.0	452.4	468.9	488.2	499.2
15°	344.8	344.8	347.5	353.1	355.8	358.6	369.6	377.9	388.9	397.2	413.7
17.5°	380.6	386.2	372.4	358.6	342.0	328.2	355.8	383.4	411.0	438.6	452.4
20°	361.3	369.6	380.6	388.9	400.0	408.2	411.0	411.0	413.7	413.7	413.7
22.5°	377.9	361.3	375.1	391.7	405.5	419.3	413.7	408.2	402.7	397.2	422.0
25°	419.3	433.0	422.0	411.0	400.0	388.9	411.0	435.8	457.9	479.9	471.7
27.5°	430.3	419.3	433.0	446.8	460.6	474.4	466.1	460.6	452.4	444.1	460.6
30°	488.2	474.4	468.9	463.4	455.1	449.6	463.4	474.4	488.2	499.2	496.5
32.5°	537.9	510.3	510.3	510.3	507.5	507.5	507.5	510.3	510.3	510.3	529.6
35°	584.8	562.7	557.2	551.7	546.1	540.6	546.1	551.7	554.4	559.9	584.8
37.5°	609.6	584.8	584.8	584.8	584.8	584.8	587.5	593.0	595.8	598.5	626.1
40°	648.2	617.9	620.6	626.1	628.9	631.6	637.2	645.4	651.0	656.5	681.3
42.5°	703.4	670.3	673.0	678.5	681.3	684.1	695.1	703.4	714.4	722.7	750.3
45°	766.8	733.7	739.2	742.0	747.5	750.3	761.3	772.3	780.6	791.6	827.5
47.5°	846.8	813.7	822.0	827.5	835.8	841.3	849.6	855.1	863.3	868.9	907.5
50°	935.1	902.0	913.0	924.0	935.1	946.1	948.8	948.8	951.6	951.6	1001.3
52.5°	1048.1	1015.0	1026.1	1039.9	1050.9	1061.9	1067.5	1073.0	1075.7	1081.2	1130.9
55°	1180.5	1150.2	1166.8	1183.3	1199.9	1216.4	1219.2	1221.9	1221.9	1224.7	1274.3
57.5°	1351.6	1318.5	1340.5	1365.3	1387.4	1409.5	1409.5	1406.7	1406.7	1404.0	1453.6
60°	1539.1	1508.8	1536.4	1566.7	1594.3	1621.9	1613.6	1605.3	1594.3	1586.0	1641.2
62.5°	1737.7	1704.6	1746.0	1787.4	1828.7	1870.1	1853.6	1839.8	1823.2	1806.7	1864.6
65°	1952.9	1919.8	1969.4	2019.1	2068.7	2118.4	2088.0	2057.7	2024.6	1994.2	2060.4
67.5°	2159.7	2121.1	2173.5	2223.2	2275.6	2325.2	2289.4	2253.5	2217.7	2181.8	2259.0
70°	2319.7	2286.6	2333.5	2380.4	2427.3	2474.2	2438.3	2402.5	2366.6	2330.7	2424.5
72.5°	2383.2	2344.5	2402.5	2463.1	2521.1	2579.0	2543.1	2507.3	2468.7	2432.8	2529.3
75°	2347.3	2319.7	2399.7	2476.9	2556.9	2634.2	2581.7	2529.3	2476.9	2424.5	2510.0
77.5°	2140.4	2143.2	2256.3	2366.6	2479.7	2590.0	2496.2	2402.5	2308.7	2214.9	2256.3
80°	1685.3	1735.0	1864.6	1994.2	2121.1	2250.8	2115.6	1983.2	1848.0	1712.9	1685.3
82.5°	849.6	962.6	1106.1	1252.3	1395.7	1539.1	1404.0	1271.6	1136.4	1001.3	915.7
85°	264.8	303.4	361.3	419.3	477.2	535.1	466.1	397.2	328.2	259.3	231.7
87.5°	22.1	24.8	24.8	22.1	22.1	19.3	22.1	24.8	24.8	27.6	24.8
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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CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5	678.5
2.5°	642.7	637.2	634.4	626.1	617.9	609.6	601.3	601.3	604.1	604.1	604.1
5°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	568.2	568.2	568.2
7.5°	546.1	543.4	540.6	537.9	537.9	535.1	532.3	524.1	513.0	504.8	493.7
10°	496.5	510.3	524.1	529.6	535.1	537.9	543.4	543.4	546.1	546.1	546.1
12.5°	513.0	524.1	535.1	532.3	529.6	526.8	524.1	513.0	499.2	488.2	474.4
15°	430.3	444.1	460.6	479.9	502.0	521.3	540.6	543.4	546.1	548.9	551.7
17.5°	468.9	482.7	496.5	502.0	510.3	515.8	521.3	510.3	496.5	485.5	471.7
20°	411.0	411.0	408.2	441.3	477.2	510.3	543.4	548.9	554.4	557.2	562.7
22.5°	444.1	468.9	491.0	488.2	485.5	482.7	479.9	479.9	479.9	477.2	477.2
25°	466.1	457.9	449.6	479.9	507.5	537.9	565.4	571.0	576.5	579.2	584.8
27.5°	479.9	496.5	513.0	507.5	502.0	493.7	488.2	491.0	496.5	499.2	502.0
30°	496.5	493.7	491.0	521.3	548.9	579.2	606.8	609.6	612.3	612.3	615.1
32.5°	546.1	565.4	582.0	595.8	612.3	626.1	639.9	664.7	692.3	717.2	742.0
35°	609.6	631.6	656.5	684.1	711.6	739.2	766.8	772.3	780.6	786.1	791.6
37.5°	651.0	678.5	703.4	733.7	764.0	791.6	822.0	827.5	830.2	835.8	838.5
40°	706.1	730.9	755.8	788.9	822.0	852.3	885.4	890.9	893.7	899.2	902.0
42.5°	775.1	802.7	827.5	860.6	890.9	924.0	954.4	957.1	962.6	965.4	968.2
45°	860.6	896.4	929.5	959.9	987.5	1017.8	1045.4	1048.1	1050.9	1050.9	1053.7
47.5°	946.1	981.9	1020.6	1050.9	1081.2	1108.8	1139.2	1144.7	1147.4	1153.0	1155.7
50°	1048.1	1097.8	1144.7	1172.3	1202.6	1230.2	1257.8	1260.5	1266.1	1268.8	1271.6
52.5°	1177.8	1227.4	1274.3	1301.9	1332.2	1359.8	1387.4	1390.2	1390.2	1392.9	1392.9
55°	1324.0	1373.6	1423.3	1450.9	1478.4	1506.0	1533.6	1533.6	1533.6	1530.8	1530.8
57.5°	1503.3	1550.2	1599.8	1627.4	1655.0	1682.6	1710.1	1710.1	1710.1	1710.1	1710.1
60°	1699.1	1754.3	1809.4	1834.3	1859.1	1883.9	1908.7	1903.2	1894.9	1889.4	1881.1
62.5°	1919.8	1977.7	2032.9	2052.2	2068.7	2088.0	2104.6	2096.3	2085.3	2077.0	2066.0
65°	2126.6	2192.8	2259.0	2272.8	2286.6	2297.6	2311.4	2297.6	2283.9	2267.3	2253.5
67.5°	2336.3	2410.7	2488.0	2493.5	2499.0	2504.5	2510.0	2496.2	2482.5	2465.9	2452.1
70°	2518.3	2612.1	2705.9	2708.6	2711.4	2714.1	2716.9	2703.1	2689.3	2672.8	2659.0
72.5°	2623.1	2719.7	2813.4	2821.7	2827.2	2835.5	2841.0	2827.2	2816.2	2802.4	2788.6
75°	2592.8	2678.3	2761.0	2752.8	2744.5	2733.5	2725.2	2703.1	2681.0	2656.2	2634.2
77.5°	2297.6	2336.3	2377.6	2333.5	2286.6	2242.5	2195.6	2173.5	2148.7	2126.6	2101.8
80°	1657.7	1627.4	1599.8	1517.1	1434.3	1348.8	1266.1	1210.9	1155.7	1100.6	1045.4
82.5°	833.0	747.5	662.0	587.5	513.0	435.8	361.3	333.8	303.4	275.8	245.5
85°	206.9	179.3	151.7	140.7	129.6	118.6	107.6	93.8	82.7	69.0	55.2
87.5°	24.8	22.1	19.3	16.5	16.5	13.8	11.0	11.0	11.0	8.3	8.3
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: P559913

CATALOG NUMBER: SDL-PA1-100-827-U-5WQ

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	678.5	678.5
2.5°	604.1	601.3
5°	568.2	568.2
7.5°	491.0	485.5
10°	546.1	546.1
12.5°	477.2	479.9
15°	551.7	551.7
17.5°	471.7	468.9
20°	562.7	562.7
22.5°	477.2	477.2
25°	584.8	582.0
27.5°	502.0	502.0
30°	615.1	615.1
32.5°	744.7	747.5
35°	794.4	794.4
37.5°	841.3	841.3
40°	902.0	899.2
42.5°	970.9	970.9
45°	1056.4	1056.4
47.5°	1158.5	1161.2
50°	1271.6	1271.6
52.5°	1392.9	1390.2
55°	1530.8	1530.8
57.5°	1701.9	1690.8
60°	1878.4	1875.6
62.5°	2063.2	2057.7
65°	2250.8	2245.2
67.5°	2449.4	2443.8
70°	2659.0	2656.2
72.5°	2780.3	2772.1
75°	2628.6	2623.1
77.5°	2079.7	2054.9
80°	1031.6	1017.8
82.5°	245.5	245.5
85°	52.4	49.6
87.5°	8.3	8.3
90°	0.0	0.0



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