

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: P560925

Luminaire Tested: **SDL-PA1-70-750-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560925
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-PA1-70-750-U-5WQ
Description: Springdale
(1) 70 CRI, 5000K, 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: 8781 lumens
Efficiency: N/A
Efficacy: 121.6 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: B4 - U0 - G3

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



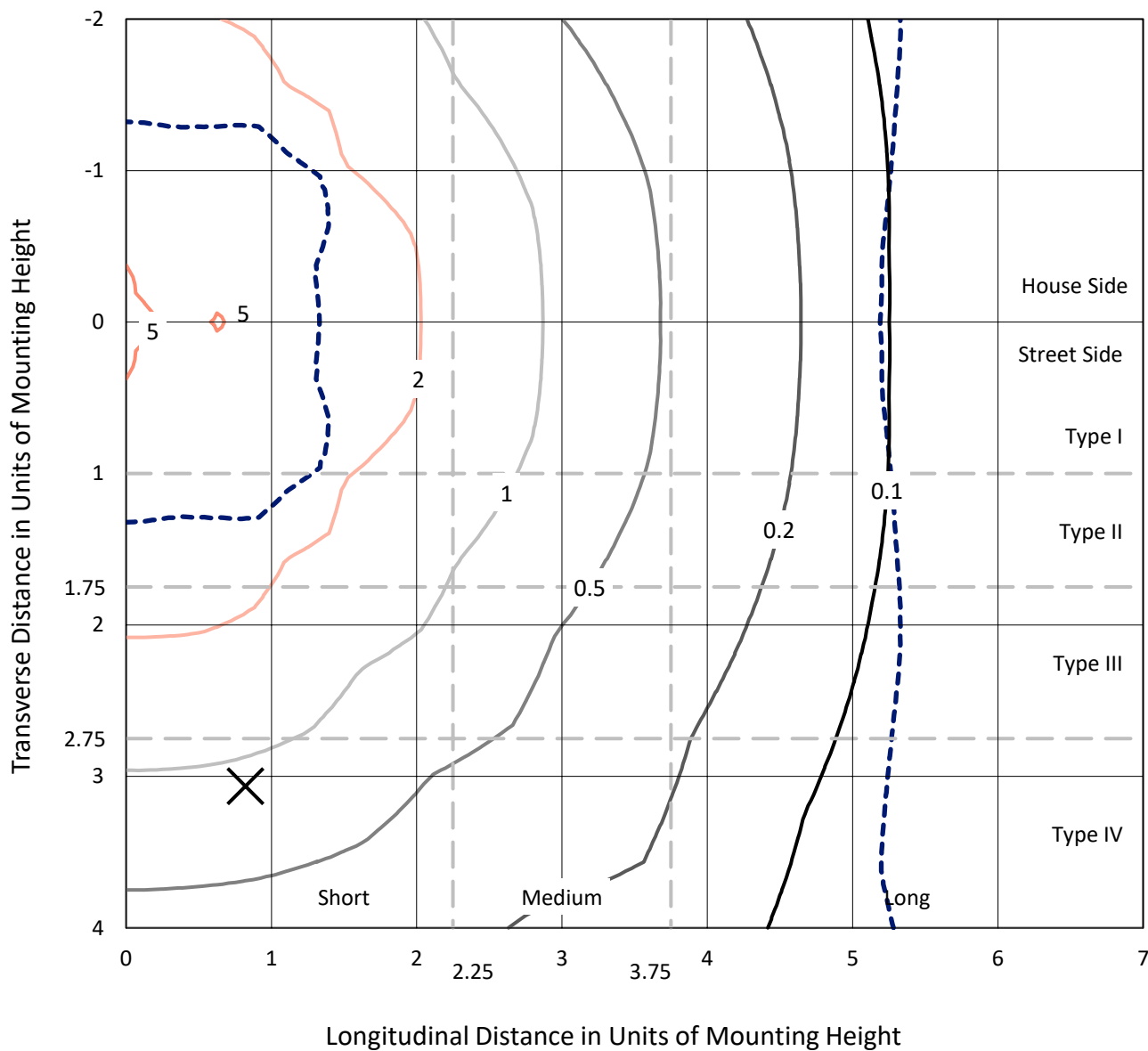
REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



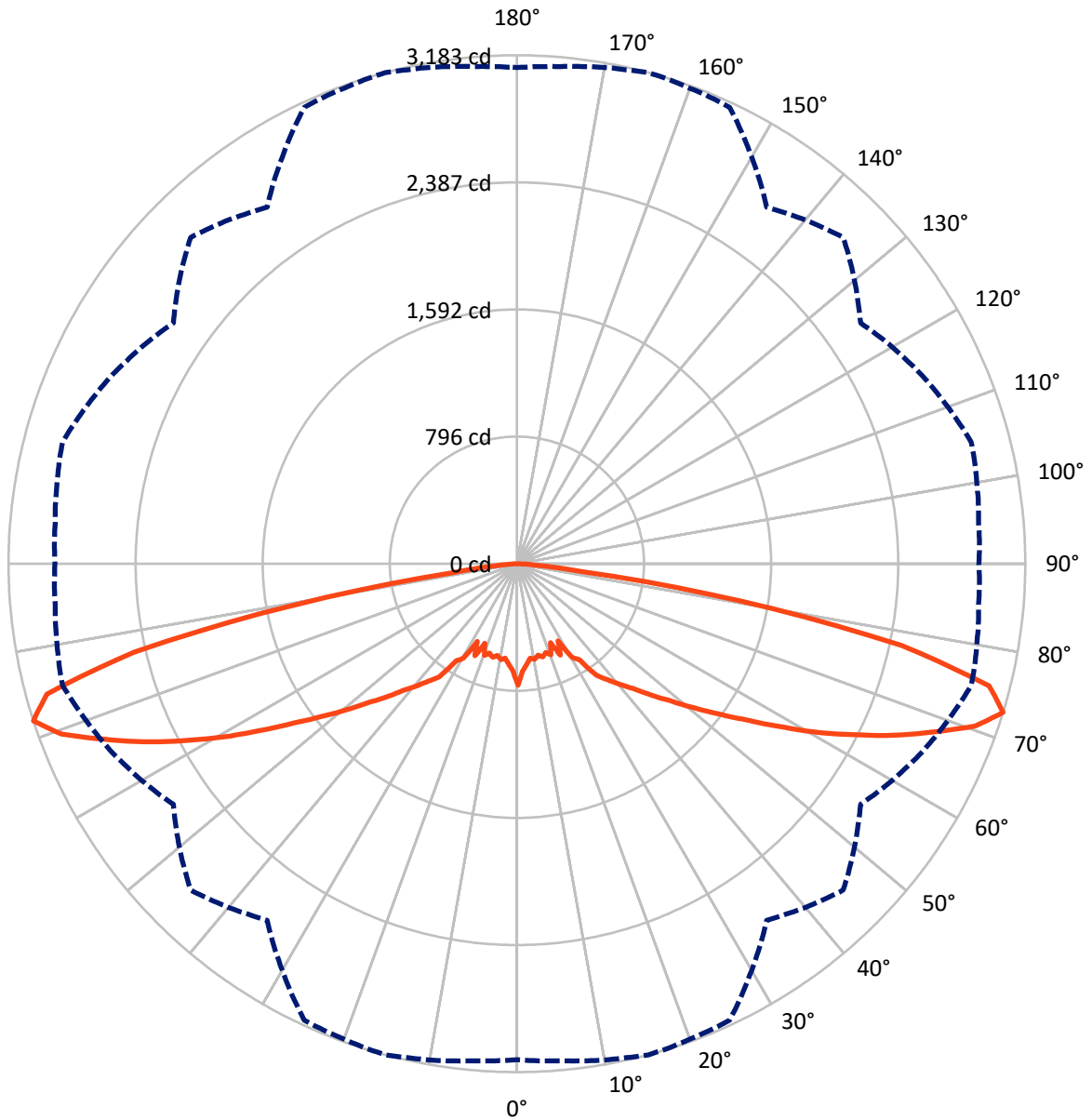
Based on 10 foot mounting height. Maximum calculated value = 7.6 fc

Type V - Short - N/A

REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

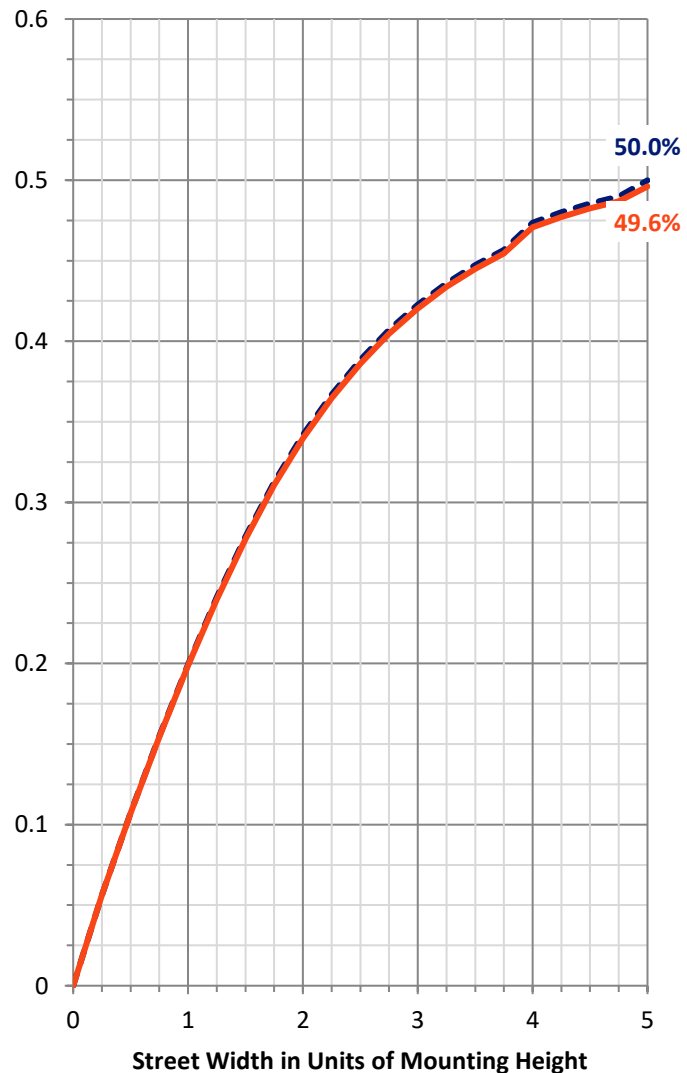
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4390.5	0.0	4390.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4390.5	0.0	4390.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8781.0	0.0	8781.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	0.7
10°-20°	138.6	1.6
20°-30°	247.3	2.8
30°-40°	473.1	5.4
40°-50°	805.8	9.2
50°-60°	1410.5	16.1
60°-70°	2380.1	27.1
70°-80°	2776.2	31.6
80°-90°	489.7	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°	8781.0	100.0
0°-180°	8781.0	100.0



REPORT NUMBER: P560925

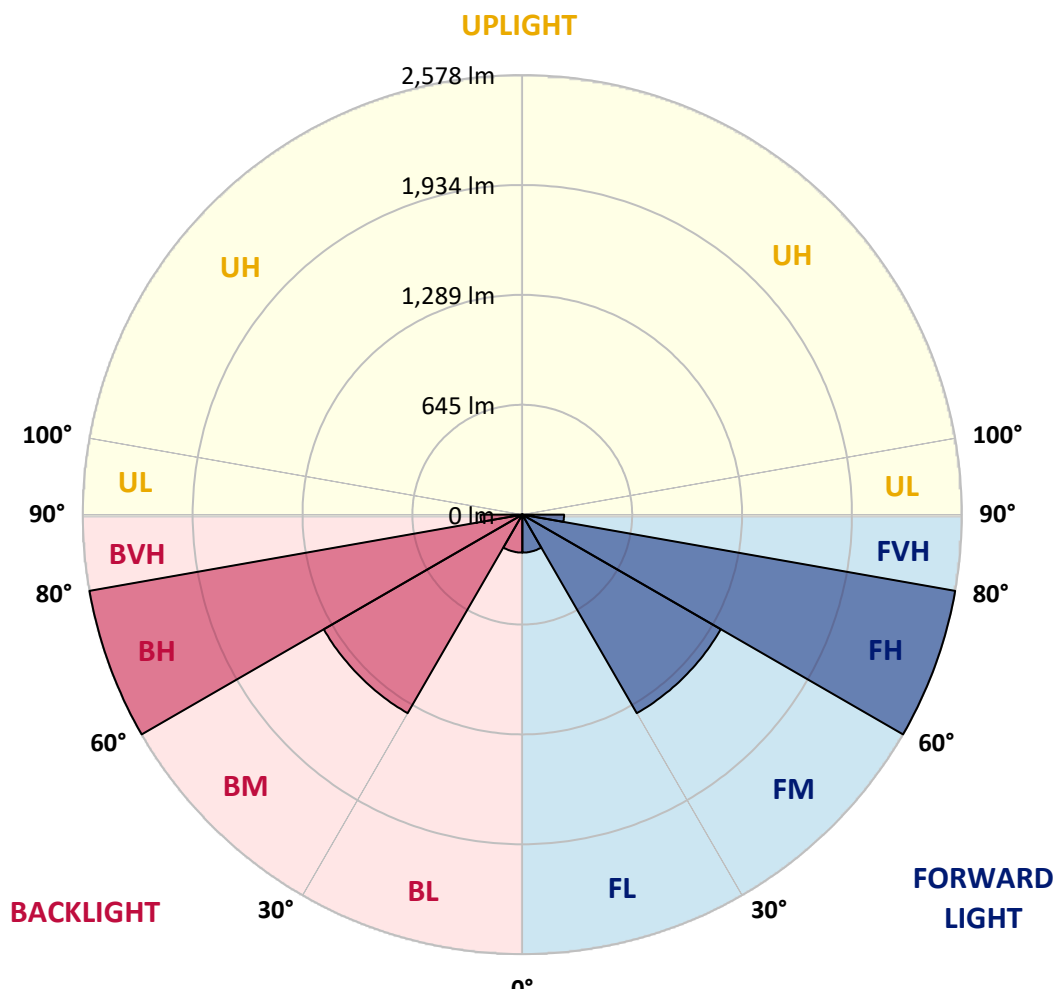
CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.8	2.5			
FM	(30°-60°)	1344.7	15.3			
FH	(60°-80°)	2578.1	29.4			G2/5000
FVH	(80°-90°)	244.8	2.8			G3/500
BL	(0°-30°)	222.8	2.5	B1/500		
BM	(30°-60°)	1344.7	15.3	B2/2500		
BH	(60°-80°)	2578.1	29.4	B4/5000		G2/5000
BVH	(80°-90°)	244.8	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	673.7	676.8	676.8	676.8	676.8	673.7	673.7	683.0	692.3	701.5	710.8
5°	636.6	636.6	636.6	636.6	636.6	633.5	633.5	633.5	633.5	633.5	633.5
7.5°	543.9	550.1	553.2	565.6	574.8	587.2	596.5	599.6	602.6	602.6	605.7
10°	611.9	611.9	611.9	611.9	611.9	608.8	608.8	602.6	599.6	593.4	587.2
12.5°	537.7	534.7	531.6	547.0	559.4	574.8	587.2	590.3	593.4	596.5	599.6
15°	618.1	618.1	618.1	615.0	611.9	608.8	605.7	584.1	562.5	537.7	516.1
17.5°	525.4	528.5	528.5	543.9	556.3	571.7	584.1	577.9	571.7	562.5	556.3
20°	630.5	630.5	630.5	624.3	621.2	615.0	608.8	571.7	534.7	494.5	457.4
22.5°	534.7	534.7	534.7	534.7	537.7	537.7	537.7	540.8	543.9	547.0	550.1
25°	652.1	655.2	655.2	649.0	645.9	639.7	633.5	602.6	568.6	537.7	503.7
27.5°	562.5	562.5	562.5	559.4	556.3	550.1	547.0	553.2	562.5	568.6	574.8
30°	689.2	689.2	689.2	686.1	686.1	683.0	679.9	649.0	615.0	584.1	550.1
32.5°	837.5	834.4	831.3	803.5	775.7	744.8	717.0	701.5	686.1	667.5	652.1
35°	890.1	890.1	887.0	880.8	874.6	865.3	859.2	828.3	797.3	766.4	735.5
37.5°	942.6	942.6	939.5	936.4	930.2	927.1	921.0	887.0	856.1	822.1	788.1
40°	1007.5	1010.6	1010.6	1007.5	1001.3	998.2	992.0	955.0	921.0	883.9	846.8
42.5°	1087.9	1087.9	1084.8	1081.7	1078.6	1072.4	1069.3	1035.3	998.2	964.2	927.1
45°	1183.7	1183.7	1180.6	1177.5	1177.5	1174.4	1171.3	1140.4	1106.4	1075.5	1041.5
47.5°	1301.1	1298.0	1294.9	1291.8	1285.6	1282.6	1276.4	1242.4	1211.5	1177.5	1143.5
50°	1424.7	1424.7	1424.7	1421.6	1418.5	1412.4	1409.3	1378.4	1347.5	1313.5	1282.6
52.5°	1557.6	1560.7	1560.7	1560.7	1557.6	1557.6	1554.5	1523.6	1492.7	1458.7	1427.8
55°	1715.2	1715.2	1715.2	1715.2	1718.3	1718.3	1718.3	1687.4	1656.5	1625.6	1594.7
57.5°	1894.5	1906.8	1916.1	1916.1	1916.1	1916.1	1916.1	1885.2	1854.3	1823.4	1792.5
60°	2101.5	2104.6	2107.7	2117.0	2123.2	2132.4	2138.6	2110.8	2083.0	2055.2	2027.4
62.5°	2305.5	2311.7	2314.8	2327.1	2336.4	2348.8	2358.0	2339.5	2317.9	2299.3	2277.7
65°	2515.7	2521.8	2524.9	2540.4	2558.9	2574.4	2589.8	2574.4	2562.0	2546.6	2531.1
67.5°	2738.2	2744.4	2747.4	2762.9	2781.4	2796.9	2812.3	2806.2	2800.0	2793.8	2787.6
70°	2976.1	2979.2	2979.2	2994.7	3013.2	3028.7	3044.1	3041.0	3037.9	3034.9	3031.8
72.5°	3105.9	3115.2	3124.5	3139.9	3155.4	3167.7	3183.2	3177.0	3167.7	3161.6	3152.3
75°	2939.1	2945.2	2951.4	2976.1	3004.0	3028.7	3053.4	3062.7	3075.0	3084.3	3093.6
77.5°	2302.4	2330.2	2354.9	2382.8	2407.5	2435.3	2460.0	2512.6	2562.0	2614.6	2664.0
80°	1140.4	1155.8	1171.3	1233.1	1294.9	1356.7	1418.5	1511.2	1607.1	1699.8	1792.5
82.5°	275.1	275.1	275.1	309.0	340.0	373.9	404.9	488.3	574.8	658.3	741.7
85°	55.6	58.7	61.8	77.3	92.7	105.1	120.5	132.9	145.3	157.6	170.0
87.5°	9.3	9.3	9.3	9.3	12.4	12.4	12.4	15.5	18.5	18.5	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	713.9	720.1	723.2	726.3	729.4	732.4	735.5	738.6	741.7	741.7	744.8
5°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	636.6	639.7	642.8
7.5°	608.8	611.9	615.0	618.1	618.1	618.1	615.0	615.0	611.9	611.9	608.8
10°	571.7	556.3	537.7	522.3	522.3	525.4	525.4	525.4	516.1	509.9	500.7
12.5°	587.2	574.8	559.4	547.0	525.4	506.8	485.2	463.6	457.4	451.2	445.0
15°	497.6	482.1	463.6	445.0	435.8	423.4	414.1	401.8	398.7	395.6	389.4
17.5°	540.8	525.4	506.8	491.4	460.5	429.6	398.7	367.8	383.2	401.8	417.2
20°	460.5	460.5	463.6	463.6	463.6	460.5	460.5	457.4	448.1	435.8	426.5
22.5°	525.4	497.6	472.8	445.0	451.2	457.4	463.6	469.8	454.3	438.8	420.3
25°	513.0	522.3	528.5	537.7	513.0	488.3	460.5	435.8	448.1	460.5	472.8
27.5°	556.3	537.7	516.1	497.6	506.8	516.1	522.3	531.6	516.1	500.7	485.2
30°	553.2	556.3	556.3	559.4	547.0	531.6	519.2	503.7	509.9	519.2	525.4
32.5°	633.5	611.9	593.4	571.7	571.7	571.7	568.6	568.6	568.6	571.7	571.7
35°	707.7	683.0	655.2	627.4	621.2	618.1	611.9	605.7	611.9	618.1	624.3
37.5°	760.3	729.4	701.5	670.6	667.5	664.5	658.3	655.2	655.2	655.2	655.2
40°	819.0	791.2	763.3	735.5	729.4	723.2	713.9	707.7	704.6	701.5	695.4
42.5°	899.3	868.4	840.6	809.7	800.4	788.1	778.8	766.4	763.3	760.3	754.1
45°	1004.4	964.2	927.1	887.0	874.6	865.3	853.0	840.6	837.5	831.3	828.3
47.5°	1100.2	1060.0	1016.8	973.5	967.3	958.1	951.9	942.6	936.4	927.1	921.0
50°	1230.0	1174.4	1121.8	1066.2	1066.2	1063.1	1063.1	1060.0	1047.7	1035.3	1023.0
52.5°	1375.3	1319.6	1267.1	1211.5	1205.3	1202.2	1196.0	1189.8	1177.5	1165.1	1149.7
55°	1539.1	1483.4	1427.8	1372.2	1369.1	1369.1	1366.0	1362.9	1344.4	1325.8	1307.3
57.5°	1736.9	1684.3	1628.7	1573.1	1576.1	1576.1	1579.2	1579.2	1554.5	1529.8	1502.0
60°	1965.5	1903.7	1838.8	1777.0	1786.3	1798.7	1807.9	1817.2	1786.3	1755.4	1721.4
62.5°	2215.9	2151.0	2089.2	2024.3	2042.8	2061.4	2076.8	2095.3	2049.0	2002.6	1956.3
65°	2456.9	2382.8	2308.6	2234.4	2268.4	2305.5	2339.5	2373.5	2317.9	2262.2	2206.6
67.5°	2701.1	2617.6	2531.1	2444.6	2484.8	2524.9	2565.1	2605.3	2549.7	2490.9	2435.3
70°	2926.7	2821.6	2716.5	2611.5	2651.6	2691.8	2732.0	2772.2	2719.6	2667.1	2614.6
72.5°	3047.2	2939.1	2834.0	2725.8	2766.0	2809.3	2849.4	2889.6	2824.7	2759.8	2691.8
75°	3000.9	2905.1	2812.3	2716.5	2775.3	2834.0	2892.7	2951.4	2864.9	2775.3	2688.7
77.5°	2617.6	2574.4	2528.0	2481.7	2586.7	2691.8	2796.9	2902.0	2778.3	2651.6	2528.0
80°	1823.4	1857.4	1888.3	1919.2	2070.6	2222.1	2370.4	2521.8	2376.6	2234.4	2089.2
82.5°	837.5	933.3	1026.0	1121.8	1273.3	1424.7	1573.1	1724.5	1563.8	1403.1	1239.3
85°	200.9	231.8	259.6	290.5	367.8	445.0	522.3	599.6	534.7	469.8	404.9
87.5°	24.7	27.8	27.8	30.9	27.8	27.8	24.7	21.6	24.7	24.7	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	744.8	747.9	747.9	751.0	751.0	751.0	751.0	747.9	747.9	747.9	751.0
5°	645.9	661.4	673.7	689.2	701.5	707.7	717.0	723.2	729.4	732.4	732.4
7.5°	605.7	599.6	590.3	584.1	574.8	587.2	602.6	615.0	627.4	630.5	633.5
10°	491.4	488.3	482.1	479.0	472.8	475.9	482.1	485.2	488.3	503.7	522.3
12.5°	438.8	441.9	445.0	448.1	451.2	441.9	432.7	420.3	411.0	426.5	441.9
15°	386.3	386.3	389.4	389.4	389.4	401.8	414.1	426.5	438.8	460.5	485.2
17.5°	432.7	426.5	420.3	411.0	404.9	407.9	407.9	411.0	411.0	423.4	432.7
20°	414.1	404.9	398.7	389.4	380.1	395.6	411.0	426.5	441.9	466.7	491.4
22.5°	404.9	423.4	438.8	457.4	472.8	463.6	454.3	441.9	432.7	432.7	432.7
25°	485.2	469.8	454.3	438.8	423.4	451.2	475.9	503.7	528.5	547.0	562.5
27.5°	469.8	482.1	494.5	503.7	516.1	531.6	547.0	562.5	577.9	605.7	630.5
30°	531.6	547.0	562.5	574.8	590.3	630.5	667.5	707.7	744.8	763.3	781.9
32.5°	571.7	602.6	630.5	661.4	689.2	710.8	732.4	754.1	775.7	794.3	815.9
35°	630.5	655.2	676.8	701.5	723.2	747.9	772.6	794.3	819.0	837.5	856.1
37.5°	655.2	683.0	710.8	735.5	763.3	794.3	822.1	853.0	880.8	896.2	908.6
40°	692.3	726.3	760.3	794.3	828.3	859.2	890.1	921.0	951.9	964.2	976.6
42.5°	751.0	788.1	825.2	859.2	896.2	930.2	961.1	995.1	1026.0	1038.4	1050.8
45°	822.1	859.2	896.2	933.3	970.4	1007.5	1044.6	1081.7	1118.8	1134.2	1149.7
47.5°	911.7	948.8	989.0	1026.0	1063.1	1109.5	1152.8	1199.1	1242.4	1254.7	1267.1
50°	1010.6	1047.7	1084.8	1121.8	1158.9	1217.7	1273.3	1332.0	1387.6	1393.8	1403.1
52.5°	1137.3	1174.4	1208.4	1245.5	1279.5	1344.4	1409.3	1471.1	1536.0	1539.1	1545.2
55°	1288.7	1322.7	1359.8	1393.8	1427.8	1498.9	1566.9	1638.0	1705.9	1705.9	1709.0
57.5°	1477.3	1514.3	1551.4	1585.4	1622.5	1690.5	1758.5	1823.4	1891.4	1888.3	1885.2
60°	1690.5	1724.5	1755.4	1789.4	1820.3	1885.2	1953.2	2018.1	2083.0	2076.8	2067.5
62.5°	1909.9	1947.0	1984.1	2018.1	2055.2	2107.7	2163.3	2215.9	2268.4	2256.1	2243.7
65°	2151.0	2188.1	2228.2	2265.3	2302.4	2342.6	2385.9	2426.0	2466.2	2453.8	2444.6
67.5°	2376.6	2419.9	2463.1	2503.3	2546.6	2577.5	2608.4	2636.2	2667.1	2651.6	2636.2
70°	2562.0	2599.1	2636.2	2673.3	2710.4	2741.3	2772.2	2803.1	2834.0	2818.5	2803.1
72.5°	2626.9	2670.2	2713.4	2753.6	2796.9	2834.0	2871.1	2908.1	2945.2	2936.0	2923.6
75°	2599.1	2630.0	2660.9	2691.8	2722.7	2750.5	2781.4	2809.3	2837.1	2821.6	2806.2
77.5°	2401.3	2398.2	2392.0	2388.9	2382.8	2382.8	2385.9	2385.9	2385.9	2367.3	2348.8
80°	1943.9	1888.3	1832.7	1777.0	1721.4	1656.5	1591.6	1526.7	1461.8	1400.0	1338.2
82.5°	1078.6	951.9	828.3	701.5	574.8	522.3	466.7	414.1	358.5	333.8	306.0
85°	340.0	296.7	253.4	210.2	166.9	157.6	148.3	136.0	126.7	117.4	108.2
87.5°	27.8	24.7	24.7	21.6	18.5	15.5	15.5	12.4	9.3	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	751.0	751.0	751.0	751.0	751.0	751.0	751.0	751.0	747.9	747.9	747.9
5°	735.5	735.5	735.5	735.5	735.5	735.5	735.5	732.4	732.4	729.4	723.2
7.5°	633.5	636.6	636.6	633.5	636.6	636.6	633.5	633.5	630.5	627.4	615.0
10°	537.7	553.2	553.2	553.2	553.2	553.2	537.7	522.3	503.7	488.3	485.2
12.5°	457.4	472.8	472.8	472.8	472.8	472.8	457.4	441.9	426.5	411.0	420.3
15°	506.8	528.5	528.5	528.5	528.5	528.5	506.8	485.2	460.5	438.8	426.5
17.5°	445.0	454.3	457.4	457.4	457.4	454.3	445.0	432.7	423.4	411.0	411.0
20°	513.0	537.7	540.8	543.9	540.8	537.7	513.0	491.4	466.7	441.9	426.5
22.5°	429.6	429.6	432.7	432.7	432.7	429.6	429.6	432.7	432.7	432.7	441.9
25°	581.0	596.5	596.5	593.4	596.5	596.5	581.0	562.5	547.0	528.5	503.7
27.5°	658.3	683.0	689.2	692.3	689.2	683.0	658.3	630.5	605.7	577.9	562.5
30°	800.4	819.0	819.0	819.0	819.0	819.0	800.4	781.9	763.3	744.8	707.7
32.5°	834.4	853.0	853.0	853.0	853.0	853.0	834.4	815.9	794.3	775.7	754.1
35°	871.5	890.1	893.2	893.2	893.2	890.1	871.5	856.1	837.5	819.0	794.3
37.5°	924.1	936.4	939.5	942.6	939.5	936.4	924.1	908.6	896.2	880.8	853.0
40°	985.9	998.2	998.2	998.2	998.2	998.2	985.9	976.6	964.2	951.9	921.0
42.5°	1063.1	1075.5	1078.6	1081.7	1078.6	1075.5	1063.1	1050.8	1038.4	1026.0	995.1
45°	1162.0	1177.5	1180.6	1183.7	1180.6	1177.5	1162.0	1149.7	1134.2	1118.8	1081.7
47.5°	1279.5	1291.8	1291.8	1291.8	1291.8	1291.8	1279.5	1267.1	1254.7	1242.4	1199.1
50°	1409.3	1415.4	1418.5	1418.5	1418.5	1415.4	1409.3	1403.1	1393.8	1387.6	1332.0
52.5°	1548.3	1551.4	1551.4	1548.3	1551.4	1551.4	1548.3	1545.2	1539.1	1536.0	1471.1
55°	1709.0	1709.0	1705.9	1699.8	1705.9	1709.0	1709.0	1709.0	1705.9	1705.9	1638.0
57.5°	1882.1	1879.0	1879.0	1875.9	1879.0	1879.0	1882.1	1885.2	1888.3	1891.4	1823.4
60°	2061.4	2052.1	2049.0	2042.8	2049.0	2052.1	2061.4	2067.5	2076.8	2083.0	2018.1
62.5°	2231.3	2219.0	2219.0	2219.0	2219.0	2219.0	2231.3	2243.7	2256.1	2268.4	2215.9
65°	2432.2	2419.9	2413.7	2407.5	2413.7	2419.9	2432.2	2444.6	2453.8	2466.2	2426.0
67.5°	2620.7	2605.3	2599.1	2589.8	2599.1	2605.3	2620.7	2636.2	2651.6	2667.1	2636.2
70°	2784.5	2769.1	2766.0	2762.9	2766.0	2769.1	2784.5	2803.1	2818.5	2834.0	2803.1
72.5°	2914.3	2902.0	2898.9	2892.7	2898.9	2902.0	2914.3	2923.6	2936.0	2945.2	2908.1
75°	2790.7	2775.3	2766.0	2753.6	2766.0	2775.3	2790.7	2806.2	2821.6	2837.1	2809.3
77.5°	2330.2	2311.7	2305.5	2296.2	2305.5	2311.7	2330.2	2348.8	2367.3	2385.9	2385.9
80°	1276.4	1214.6	1199.1	1180.6	1199.1	1214.6	1276.4	1338.2	1400.0	1461.8	1526.7
82.5°	281.2	253.4	244.1	231.8	244.1	253.4	281.2	306.0	333.8	358.5	414.1
85°	95.8	86.5	80.4	74.2	80.4	86.5	95.8	108.2	117.4	126.7	136.0
87.5°	9.3	9.3	9.3	6.2	9.3	9.3	9.3	9.3	9.3	9.3	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	751.0	751.0	751.0	751.0	747.9	747.9	744.8	744.8	741.7	741.7	738.6
5°	717.0	707.7	701.5	689.2	673.7	661.4	645.9	642.8	639.7	636.6	633.5
7.5°	602.6	587.2	574.8	584.1	590.3	599.6	605.7	608.8	611.9	611.9	615.0
10°	482.1	475.9	472.8	479.0	482.1	488.3	491.4	500.7	509.9	516.1	525.4
12.5°	432.7	441.9	451.2	448.1	445.0	441.9	438.8	445.0	451.2	457.4	463.6
15°	414.1	401.8	389.4	389.4	389.4	386.3	386.3	389.4	395.6	398.7	401.8
17.5°	407.9	407.9	404.9	411.0	420.3	426.5	432.7	417.2	401.8	383.2	367.8
20°	411.0	395.6	380.1	389.4	398.7	404.9	414.1	426.5	435.8	448.1	457.4
22.5°	454.3	463.6	472.8	457.4	438.8	423.4	404.9	420.3	438.8	454.3	469.8
25°	475.9	451.2	423.4	438.8	454.3	469.8	485.2	472.8	460.5	448.1	435.8
27.5°	547.0	531.6	516.1	503.7	494.5	482.1	469.8	485.2	500.7	516.1	531.6
30°	667.5	630.5	590.3	574.8	562.5	547.0	531.6	525.4	519.2	509.9	503.7
32.5°	732.4	710.8	689.2	661.4	630.5	602.6	571.7	571.7	571.7	568.6	568.6
35°	772.6	747.9	723.2	701.5	676.8	655.2	630.5	624.3	618.1	611.9	605.7
37.5°	822.1	794.3	763.3	735.5	710.8	683.0	655.2	655.2	655.2	655.2	655.2
40°	890.1	859.2	828.3	794.3	760.3	726.3	692.3	695.4	701.5	704.6	707.7
42.5°	961.1	930.2	896.2	859.2	825.2	788.1	751.0	754.1	760.3	763.3	766.4
45°	1044.6	1007.5	970.4	933.3	896.2	859.2	822.1	828.3	831.3	837.5	840.6
47.5°	1152.8	1109.5	1063.1	1026.0	989.0	948.8	911.7	921.0	927.1	936.4	942.6
50°	1273.3	1217.7	1158.9	1121.8	1084.8	1047.7	1010.6	1023.0	1035.3	1047.7	1060.0
52.5°	1409.3	1344.4	1279.5	1245.5	1208.4	1174.4	1137.3	1149.7	1165.1	1177.5	1189.8
55°	1566.9	1498.9	1427.8	1393.8	1359.8	1322.7	1288.7	1307.3	1325.8	1344.4	1362.9
57.5°	1758.5	1690.5	1622.5	1585.4	1551.4	1514.3	1477.3	1502.0	1529.8	1554.5	1579.2
60°	1953.2	1885.2	1820.3	1789.4	1755.4	1724.5	1690.5	1721.4	1755.4	1786.3	1817.2
62.5°	2163.3	2107.7	2055.2	2018.1	1984.1	1947.0	1909.9	1956.3	2002.6	2049.0	2095.3
65°	2385.9	2342.6	2302.4	2265.3	2228.2	2188.1	2151.0	2206.6	2262.2	2317.9	2373.5
67.5°	2608.4	2577.5	2546.6	2503.3	2463.1	2419.9	2376.6	2435.3	2490.9	2549.7	2605.3
70°	2772.2	2741.3	2710.4	2673.3	2636.2	2599.1	2562.0	2614.6	2667.1	2719.6	2772.2
72.5°	2871.1	2834.0	2796.9	2753.6	2713.4	2670.2	2626.9	2691.8	2759.8	2824.7	2889.6
75°	2781.4	2750.5	2722.7	2691.8	2660.9	2630.0	2599.1	2688.7	2775.3	2864.9	2951.4
77.5°	2385.9	2382.8	2382.8	2388.9	2392.0	2398.2	2401.3	2528.0	2651.6	2778.3	2902.0
80°	1591.6	1656.5	1721.4	1777.0	1832.7	1888.3	1943.9	2089.2	2234.4	2376.6	2521.8
82.5°	466.7	522.3	574.8	701.5	828.3	951.9	1078.6	1239.3	1403.1	1563.8	1724.5
85°	148.3	157.6	166.9	210.2	253.4	296.7	340.0	404.9	469.8	534.7	599.6
87.5°	15.5	15.5	18.5	21.6	24.7	24.7	27.8	27.8	24.7	24.7	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	735.5	732.4	729.4	726.3	723.2	720.1	713.9	710.8	701.5	692.3	683.0
5°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5
7.5°	615.0	618.1	618.1	618.1	615.0	611.9	608.8	605.7	602.6	602.6	599.6
10°	525.4	525.4	522.3	522.3	537.7	556.3	571.7	587.2	593.4	599.6	602.6
12.5°	485.2	506.8	525.4	547.0	559.4	574.8	587.2	599.6	596.5	593.4	590.3
15°	414.1	423.4	435.8	445.0	463.6	482.1	497.6	516.1	537.7	562.5	584.1
17.5°	398.7	429.6	460.5	491.4	506.8	525.4	540.8	556.3	562.5	571.7	577.9
20°	460.5	460.5	463.6	463.6	463.6	460.5	460.5	457.4	494.5	534.7	571.7
22.5°	463.6	457.4	451.2	445.0	472.8	497.6	525.4	550.1	547.0	543.9	540.8
25°	460.5	488.3	513.0	537.7	528.5	522.3	513.0	503.7	537.7	568.6	602.6
27.5°	522.3	516.1	506.8	497.6	516.1	537.7	556.3	574.8	568.6	562.5	553.2
30°	519.2	531.6	547.0	559.4	556.3	556.3	553.2	550.1	584.1	615.0	649.0
32.5°	568.6	571.7	571.7	571.7	593.4	611.9	633.5	652.1	667.5	686.1	701.5
35°	611.9	618.1	621.2	627.4	655.2	683.0	707.7	735.5	766.4	797.3	828.3
37.5°	658.3	664.5	667.5	670.6	701.5	729.4	760.3	788.1	822.1	856.1	887.0
40°	713.9	723.2	729.4	735.5	763.3	791.2	819.0	846.8	883.9	921.0	955.0
42.5°	778.8	788.1	800.4	809.7	840.6	868.4	899.3	927.1	964.2	998.2	1035.3
45°	853.0	865.3	874.6	887.0	927.1	964.2	1004.4	1041.5	1075.5	1106.4	1140.4
47.5°	951.9	958.1	967.3	973.5	1016.8	1060.0	1100.2	1143.5	1177.5	1211.5	1242.4
50°	1063.1	1063.1	1066.2	1066.2	1121.8	1174.4	1230.0	1282.6	1313.5	1347.5	1378.4
52.5°	1196.0	1202.2	1205.3	1211.5	1267.1	1319.6	1375.3	1427.8	1458.7	1492.7	1523.6
55°	1366.0	1369.1	1369.1	1372.2	1427.8	1483.4	1539.1	1594.7	1625.6	1656.5	1687.4
57.5°	1579.2	1576.1	1576.1	1573.1	1628.7	1684.3	1736.9	1792.5	1823.4	1854.3	1885.2
60°	1807.9	1798.7	1786.3	1777.0	1838.8	1903.7	1965.5	2027.4	2055.2	2083.0	2110.8
62.5°	2076.8	2061.4	2042.8	2024.3	2089.2	2151.0	2215.9	2277.7	2299.3	2317.9	2339.5
65°	2339.5	2305.5	2268.4	2234.4	2308.6	2382.8	2456.9	2531.1	2546.6	2562.0	2574.4
67.5°	2565.1	2524.9	2484.8	2444.6	2531.1	2617.6	2701.1	2787.6	2793.8	2800.0	2806.2
70°	2732.0	2691.8	2651.6	2611.5	2716.5	2821.6	2926.7	3031.8	3034.9	3037.9	3041.0
72.5°	2849.4	2809.3	2766.0	2725.8	2834.0	2939.1	3047.2	3152.3	3161.6	3167.7	3177.0
75°	2892.7	2834.0	2775.3	2716.5	2812.3	2905.1	3000.9	3093.6	3084.3	3075.0	3062.7
77.5°	2796.9	2691.8	2586.7	2481.7	2528.0	2574.4	2617.6	2664.0	2614.6	2562.0	2512.6
80°	2370.4	2222.1	2070.6	1919.2	1888.3	1857.4	1823.4	1792.5	1699.8	1607.1	1511.2
82.5°	1573.1	1424.7	1273.3	1121.8	1026.0	933.3	837.5	741.7	658.3	574.8	488.3
85°	522.3	445.0	367.8	290.5	259.6	231.8	200.9	170.0	157.6	145.3	132.9
87.5°	24.7	27.8	27.8	30.9	27.8	27.8	24.7	21.6	18.5	18.5	15.5
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: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	673.7	673.7	676.8	676.8	676.8	676.8	673.7	676.8	676.8	676.8	676.8
5°	633.5	633.5	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
7.5°	596.5	587.2	574.8	565.6	553.2	550.1	543.9	550.1	553.2	565.6	574.8
10°	608.8	608.8	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9
12.5°	587.2	574.8	559.4	547.0	531.6	534.7	537.7	534.7	531.6	547.0	559.4
15°	605.7	608.8	611.9	615.0	618.1	618.1	618.1	618.1	618.1	615.0	611.9
17.5°	584.1	571.7	556.3	543.9	528.5	528.5	525.4	528.5	528.5	543.9	556.3
20°	608.8	615.0	621.2	624.3	630.5	630.5	630.5	630.5	630.5	624.3	621.2
22.5°	537.7	537.7	537.7	534.7	534.7	534.7	534.7	534.7	534.7	534.7	537.7
25°	633.5	639.7	645.9	649.0	655.2	655.2	652.1	655.2	655.2	649.0	645.9
27.5°	547.0	550.1	556.3	559.4	562.5	562.5	562.5	562.5	562.5	559.4	556.3
30°	679.9	683.0	686.1	686.1	689.2	689.2	689.2	689.2	689.2	686.1	686.1
32.5°	717.0	744.8	775.7	803.5	831.3	834.4	837.5	834.4	831.3	803.5	775.7
35°	859.2	865.3	874.6	880.8	887.0	890.1	890.1	890.1	887.0	880.8	874.6
37.5°	921.0	927.1	930.2	936.4	939.5	942.6	942.6	942.6	939.5	936.4	930.2
40°	992.0	998.2	1001.3	1007.5	1010.6	1010.6	1007.5	1010.6	1010.6	1007.5	1001.3
42.5°	1069.3	1072.4	1078.6	1081.7	1084.8	1087.9	1087.9	1087.9	1084.8	1081.7	1078.6
45°	1171.3	1174.4	1177.5	1177.5	1180.6	1183.7	1183.7	1183.7	1180.6	1177.5	1177.5
47.5°	1276.4	1282.6	1285.6	1291.8	1294.9	1298.0	1301.1	1298.0	1294.9	1291.8	1285.6
50°	1409.3	1412.4	1418.5	1421.6	1424.7	1424.7	1424.7	1424.7	1424.7	1421.6	1418.5
52.5°	1554.5	1557.6	1557.6	1560.7	1560.7	1560.7	1557.6	1560.7	1560.7	1560.7	1557.6
55°	1718.3	1718.3	1718.3	1715.2	1715.2	1715.2	1715.2	1715.2	1715.2	1715.2	1718.3
57.5°	1916.1	1916.1	1916.1	1916.1	1916.1	1906.8	1894.5	1906.8	1916.1	1916.1	1916.1
60°	2138.6	2132.4	2123.2	2117.0	2107.7	2104.6	2101.5	2104.6	2107.7	2117.0	2123.2
62.5°	2358.0	2348.8	2336.4	2327.1	2314.8	2311.7	2305.5	2311.7	2314.8	2327.1	2336.4
65°	2589.8	2574.4	2558.9	2540.4	2524.9	2521.8	2515.7	2521.8	2524.9	2540.4	2558.9
67.5°	2812.3	2796.9	2781.4	2762.9	2747.4	2744.4	2738.2	2744.4	2747.4	2762.9	2781.4
70°	3044.1	3028.7	3013.2	2994.7	2979.2	2979.2	2976.1	2979.2	2979.2	2994.7	3013.2
72.5°	3183.2	3167.7	3155.4	3139.9	3124.5	3115.2	3105.9	3115.2	3124.5	3139.9	3155.4
75°	3053.4	3028.7	3004.0	2976.1	2951.4	2945.2	2939.1	2945.2	2951.4	2976.1	3004.0
77.5°	2460.0	2435.3	2407.5	2382.8	2354.9	2330.2	2302.4	2330.2	2354.9	2382.8	2407.5
80°	1418.5	1356.7	1294.9	1233.1	1171.3	1155.8	1140.4	1155.8	1171.3	1233.1	1294.9
82.5°	404.9	373.9	340.0	309.0	275.1	275.1	275.1	275.1	275.1	309.0	340.0
85°	120.5	105.1	92.7	77.3	61.8	58.7	55.6	58.7	61.8	77.3	92.7
87.5°	12.4	12.4	12.4	9.3	9.3	9.3	9.3	9.3	9.3	9.3	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	673.7	673.7	683.0	692.3	701.5	710.8	713.9	720.1	723.2	726.3	729.4
5°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5
7.5°	587.2	596.5	599.6	602.6	602.6	605.7	608.8	611.9	615.0	618.1	618.1
10°	608.8	608.8	602.6	599.6	593.4	587.2	571.7	556.3	537.7	522.3	522.3
12.5°	574.8	587.2	590.3	593.4	596.5	599.6	587.2	574.8	559.4	547.0	525.4
15°	608.8	605.7	584.1	562.5	537.7	516.1	497.6	482.1	463.6	445.0	435.8
17.5°	571.7	584.1	577.9	571.7	562.5	556.3	540.8	525.4	506.8	491.4	460.5
20°	615.0	608.8	571.7	534.7	494.5	457.4	460.5	460.5	463.6	463.6	463.6
22.5°	537.7	537.7	540.8	543.9	547.0	550.1	525.4	497.6	472.8	445.0	451.2
25°	639.7	633.5	602.6	568.6	537.7	503.7	513.0	522.3	528.5	537.7	513.0
27.5°	550.1	547.0	553.2	562.5	568.6	574.8	556.3	537.7	516.1	497.6	506.8
30°	683.0	679.9	649.0	615.0	584.1	550.1	553.2	556.3	556.3	559.4	547.0
32.5°	744.8	717.0	701.5	686.1	667.5	652.1	633.5	611.9	593.4	571.7	571.7
35°	865.3	859.2	828.3	797.3	766.4	735.5	707.7	683.0	655.2	627.4	621.2
37.5°	927.1	921.0	887.0	856.1	822.1	788.1	760.3	729.4	701.5	670.6	667.5
40°	998.2	992.0	955.0	921.0	883.9	846.8	819.0	791.2	763.3	735.5	729.4
42.5°	1072.4	1069.3	1035.3	998.2	964.2	927.1	899.3	868.4	840.6	809.7	800.4
45°	1174.4	1171.3	1140.4	1106.4	1075.5	1041.5	1004.4	964.2	927.1	887.0	874.6
47.5°	1282.6	1276.4	1242.4	1211.5	1177.5	1143.5	1100.2	1060.0	1016.8	973.5	967.3
50°	1412.4	1409.3	1378.4	1347.5	1313.5	1282.6	1230.0	1174.4	1121.8	1066.2	1066.2
52.5°	1557.6	1554.5	1523.6	1492.7	1458.7	1427.8	1375.3	1319.6	1267.1	1211.5	1205.3
55°	1718.3	1718.3	1687.4	1656.5	1625.6	1594.7	1539.1	1483.4	1427.8	1372.2	1369.1
57.5°	1916.1	1916.1	1885.2	1854.3	1823.4	1792.5	1736.9	1684.3	1628.7	1573.1	1576.1
60°	2132.4	2138.6	2110.8	2083.0	2055.2	2027.4	1965.5	1903.7	1838.8	1777.0	1786.3
62.5°	2348.8	2358.0	2339.5	2317.9	2299.3	2277.7	2215.9	2151.0	2089.2	2024.3	2042.8
65°	2574.4	2589.8	2574.4	2562.0	2546.6	2531.1	2456.9	2382.8	2308.6	2234.4	2268.4
67.5°	2796.9	2812.3	2806.2	2800.0	2793.8	2787.6	2701.1	2617.6	2531.1	2444.6	2484.8
70°	3028.7	3044.1	3041.0	3037.9	3034.9	3031.8	2926.7	2821.6	2716.5	2611.5	2651.6
72.5°	3167.7	3183.2	3177.0	3167.7	3161.6	3152.3	3047.2	2939.1	2834.0	2725.8	2766.0
75°	3028.7	3053.4	3062.7	3075.0	3084.3	3093.6	3000.9	2905.1	2812.3	2716.5	2775.3
77.5°	2435.3	2460.0	2512.6	2562.0	2614.6	2664.0	2617.6	2574.4	2528.0	2481.7	2586.7
80°	1356.7	1418.5	1511.2	1607.1	1699.8	1792.5	1823.4	1857.4	1888.3	1919.2	2070.6
82.5°	373.9	404.9	488.3	574.8	658.3	741.7	837.5	933.3	1026.0	1121.8	1273.3
85°	105.1	120.5	132.9	145.3	157.6	170.0	200.9	231.8	259.6	290.5	367.8
87.5°	12.4	12.4	15.5	18.5	18.5	21.6	24.7	27.8	27.8	30.9	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	732.4	735.5	738.6	741.7	741.7	744.8	744.8	747.9	747.9	751.0	751.0
5°	633.5	633.5	633.5	636.6	639.7	642.8	645.9	661.4	673.7	689.2	701.5
7.5°	618.1	615.0	615.0	611.9	611.9	608.8	605.7	599.6	590.3	584.1	574.8
10°	525.4	525.4	525.4	516.1	509.9	500.7	491.4	488.3	482.1	479.0	472.8
12.5°	506.8	485.2	463.6	457.4	451.2	445.0	438.8	441.9	445.0	448.1	451.2
15°	423.4	414.1	401.8	398.7	395.6	389.4	386.3	386.3	389.4	389.4	389.4
17.5°	429.6	398.7	367.8	383.2	401.8	417.2	432.7	426.5	420.3	411.0	404.9
20°	460.5	460.5	457.4	448.1	435.8	426.5	414.1	404.9	398.7	389.4	380.1
22.5°	457.4	463.6	469.8	454.3	438.8	420.3	404.9	423.4	438.8	457.4	472.8
25°	488.3	460.5	435.8	448.1	460.5	472.8	485.2	469.8	454.3	438.8	423.4
27.5°	516.1	522.3	531.6	516.1	500.7	485.2	469.8	482.1	494.5	503.7	516.1
30°	531.6	519.2	503.7	509.9	519.2	525.4	531.6	547.0	562.5	574.8	590.3
32.5°	571.7	568.6	568.6	568.6	571.7	571.7	571.7	602.6	630.5	661.4	689.2
35°	618.1	611.9	605.7	611.9	618.1	624.3	630.5	655.2	676.8	701.5	723.2
37.5°	664.5	658.3	655.2	655.2	655.2	655.2	655.2	683.0	710.8	735.5	763.3
40°	723.2	713.9	707.7	704.6	701.5	695.4	692.3	726.3	760.3	794.3	828.3
42.5°	788.1	778.8	766.4	763.3	760.3	754.1	751.0	788.1	825.2	859.2	896.2
45°	865.3	853.0	840.6	837.5	831.3	828.3	822.1	859.2	896.2	933.3	970.4
47.5°	958.1	951.9	942.6	936.4	927.1	921.0	911.7	948.8	989.0	1026.0	1063.1
50°	1063.1	1063.1	1060.0	1047.7	1035.3	1023.0	1010.6	1047.7	1084.8	1121.8	1158.9
52.5°	1202.2	1196.0	1189.8	1177.5	1165.1	1149.7	1137.3	1174.4	1208.4	1245.5	1279.5
55°	1369.1	1366.0	1362.9	1344.4	1325.8	1307.3	1288.7	1322.7	1359.8	1393.8	1427.8
57.5°	1576.1	1579.2	1579.2	1554.5	1529.8	1502.0	1477.3	1514.3	1551.4	1585.4	1622.5
60°	1798.7	1807.9	1817.2	1786.3	1755.4	1721.4	1690.5	1724.5	1755.4	1789.4	1820.3
62.5°	2061.4	2076.8	2095.3	2049.0	2002.6	1956.3	1909.9	1947.0	1984.1	2018.1	2055.2
65°	2305.5	2339.5	2373.5	2317.9	2262.2	2206.6	2151.0	2188.1	2228.2	2265.3	2302.4
67.5°	2524.9	2565.1	2605.3	2549.7	2490.9	2435.3	2376.6	2419.9	2463.1	2503.3	2546.6
70°	2691.8	2732.0	2772.2	2719.6	2667.1	2614.6	2562.0	2599.1	2636.2	2673.3	2710.4
72.5°	2809.3	2849.4	2889.6	2824.7	2759.8	2691.8	2626.9	2670.2	2713.4	2753.6	2796.9
75°	2834.0	2892.7	2951.4	2864.9	2775.3	2688.7	2599.1	2630.0	2660.9	2691.8	2722.7
77.5°	2691.8	2796.9	2902.0	2778.3	2651.6	2528.0	2401.3	2398.2	2392.0	2388.9	2382.8
80°	2222.1	2370.4	2521.8	2376.6	2234.4	2089.2	1943.9	1888.3	1832.7	1777.0	1721.4
82.5°	1424.7	1573.1	1724.5	1563.8	1403.1	1239.3	1078.6	951.9	828.3	701.5	574.8
85°	445.0	522.3	599.6	534.7	469.8	404.9	340.0	296.7	253.4	210.2	166.9
87.5°	27.8	24.7	21.6	24.7	24.7	27.8	27.8	24.7	24.7	21.6	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	751.0	751.0	747.9	747.9	747.9	751.0	751.0	751.0	751.0	751.0	751.0
5°	707.7	717.0	723.2	729.4	732.4	732.4	735.5	735.5	735.5	735.5	735.5
7.5°	587.2	602.6	615.0	627.4	630.5	633.5	633.5	636.6	636.6	633.5	636.6
10°	475.9	482.1	485.2	488.3	503.7	522.3	537.7	553.2	553.2	553.2	553.2
12.5°	441.9	432.7	420.3	411.0	426.5	441.9	457.4	472.8	472.8	472.8	472.8
15°	401.8	414.1	426.5	438.8	460.5	485.2	506.8	528.5	528.5	528.5	528.5
17.5°	407.9	407.9	411.0	411.0	423.4	432.7	445.0	454.3	457.4	457.4	457.4
20°	395.6	411.0	426.5	441.9	466.7	491.4	513.0	537.7	540.8	543.9	540.8
22.5°	463.6	454.3	441.9	432.7	432.7	432.7	429.6	429.6	432.7	432.7	432.7
25°	451.2	475.9	503.7	528.5	547.0	562.5	581.0	596.5	596.5	593.4	596.5
27.5°	531.6	547.0	562.5	577.9	605.7	630.5	658.3	683.0	689.2	692.3	689.2
30°	630.5	667.5	707.7	744.8	763.3	781.9	800.4	819.0	819.0	819.0	819.0
32.5°	710.8	732.4	754.1	775.7	794.3	815.9	834.4	853.0	853.0	853.0	853.0
35°	747.9	772.6	794.3	819.0	837.5	856.1	871.5	890.1	893.2	893.2	893.2
37.5°	794.3	822.1	853.0	880.8	896.2	908.6	924.1	936.4	939.5	942.6	939.5
40°	859.2	890.1	921.0	951.9	964.2	976.6	985.9	998.2	998.2	998.2	998.2
42.5°	930.2	961.1	995.1	1026.0	1038.4	1050.8	1063.1	1075.5	1078.6	1081.7	1078.6
45°	1007.5	1044.6	1081.7	1118.8	1134.2	1149.7	1162.0	1177.5	1180.6	1183.7	1180.6
47.5°	1109.5	1152.8	1199.1	1242.4	1254.7	1267.1	1279.5	1291.8	1291.8	1291.8	1291.8
50°	1217.7	1273.3	1332.0	1387.6	1393.8	1403.1	1409.3	1415.4	1418.5	1418.5	1418.5
52.5°	1344.4	1409.3	1471.1	1536.0	1539.1	1545.2	1548.3	1551.4	1551.4	1548.3	1551.4
55°	1498.9	1566.9	1638.0	1705.9	1705.9	1709.0	1709.0	1709.0	1705.9	1699.8	1705.9
57.5°	1690.5	1758.5	1823.4	1891.4	1888.3	1885.2	1882.1	1879.0	1879.0	1875.9	1879.0
60°	1885.2	1953.2	2018.1	2083.0	2076.8	2067.5	2061.4	2052.1	2049.0	2042.8	2049.0
62.5°	2107.7	2163.3	2215.9	2268.4	2256.1	2243.7	2231.3	2219.0	2219.0	2219.0	2219.0
65°	2342.6	2385.9	2426.0	2466.2	2453.8	2444.6	2432.2	2419.9	2413.7	2407.5	2413.7
67.5°	2577.5	2608.4	2636.2	2667.1	2651.6	2636.2	2620.7	2605.3	2599.1	2589.8	2599.1
70°	2741.3	2772.2	2803.1	2834.0	2818.5	2803.1	2784.5	2769.1	2766.0	2762.9	2766.0
72.5°	2834.0	2871.1	2908.1	2945.2	2936.0	2923.6	2914.3	2902.0	2898.9	2892.7	2898.9
75°	2750.5	2781.4	2809.3	2837.1	2821.6	2806.2	2790.7	2775.3	2766.0	2753.6	2766.0
77.5°	2382.8	2385.9	2385.9	2385.9	2367.3	2348.8	2330.2	2311.7	2305.5	2296.2	2305.5
80°	1656.5	1591.6	1526.7	1461.8	1400.0	1338.2	1276.4	1214.6	1199.1	1180.6	1199.1
82.5°	522.3	466.7	414.1	358.5	333.8	306.0	281.2	253.4	244.1	231.8	244.1
85°	157.6	148.3	136.0	126.7	117.4	108.2	95.8	86.5	80.4	74.2	80.4
87.5°	15.5	15.5	12.4	9.3	9.3	9.3	9.3	9.3	9.3	6.2	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	751.0	751.0	751.0	747.9	747.9	747.9	751.0	751.0	751.0	751.0	747.9
5°	735.5	735.5	732.4	732.4	729.4	723.2	717.0	707.7	701.5	689.2	673.7
7.5°	636.6	633.5	633.5	630.5	627.4	615.0	602.6	587.2	574.8	584.1	590.3
10°	553.2	537.7	522.3	503.7	488.3	485.2	482.1	475.9	472.8	479.0	482.1
12.5°	472.8	457.4	441.9	426.5	411.0	420.3	432.7	441.9	451.2	448.1	445.0
15°	528.5	506.8	485.2	460.5	438.8	426.5	414.1	401.8	389.4	389.4	389.4
17.5°	454.3	445.0	432.7	423.4	411.0	411.0	407.9	407.9	404.9	411.0	420.3
20°	537.7	513.0	491.4	466.7	441.9	426.5	411.0	395.6	380.1	389.4	398.7
22.5°	429.6	429.6	432.7	432.7	432.7	441.9	454.3	463.6	472.8	457.4	438.8
25°	596.5	581.0	562.5	547.0	528.5	503.7	475.9	451.2	423.4	438.8	454.3
27.5°	683.0	658.3	630.5	605.7	577.9	562.5	547.0	531.6	516.1	503.7	494.5
30°	819.0	800.4	781.9	763.3	744.8	707.7	667.5	630.5	590.3	574.8	562.5
32.5°	853.0	834.4	815.9	794.3	775.7	754.1	732.4	710.8	689.2	661.4	630.5
35°	890.1	871.5	856.1	837.5	819.0	794.3	772.6	747.9	723.2	701.5	676.8
37.5°	936.4	924.1	908.6	896.2	880.8	853.0	822.1	794.3	763.3	735.5	710.8
40°	998.2	985.9	976.6	964.2	951.9	921.0	890.1	859.2	828.3	794.3	760.3
42.5°	1075.5	1063.1	1050.8	1038.4	1026.0	995.1	961.1	930.2	896.2	859.2	825.2
45°	1177.5	1162.0	1149.7	1134.2	1118.8	1081.7	1044.6	1007.5	970.4	933.3	896.2
47.5°	1291.8	1279.5	1267.1	1254.7	1242.4	1199.1	1152.8	1109.5	1063.1	1026.0	989.0
50°	1415.4	1409.3	1403.1	1393.8	1387.6	1332.0	1273.3	1217.7	1158.9	1121.8	1084.8
52.5°	1551.4	1548.3	1545.2	1539.1	1536.0	1471.1	1409.3	1344.4	1279.5	1245.5	1208.4
55°	1709.0	1709.0	1709.0	1705.9	1705.9	1638.0	1566.9	1498.9	1427.8	1393.8	1359.8
57.5°	1879.0	1882.1	1885.2	1888.3	1891.4	1823.4	1758.5	1690.5	1622.5	1585.4	1551.4
60°	2052.1	2061.4	2067.5	2076.8	2083.0	2018.1	1953.2	1885.2	1820.3	1789.4	1755.4
62.5°	2219.0	2231.3	2243.7	2256.1	2268.4	2215.9	2163.3	2107.7	2055.2	2018.1	1984.1
65°	2419.9	2432.2	2444.6	2453.8	2466.2	2426.0	2385.9	2342.6	2302.4	2265.3	2228.2
67.5°	2605.3	2620.7	2636.2	2651.6	2667.1	2636.2	2608.4	2577.5	2546.6	2503.3	2463.1
70°	2769.1	2784.5	2803.1	2818.5	2834.0	2803.1	2772.2	2741.3	2710.4	2673.3	2636.2
72.5°	2902.0	2914.3	2923.6	2936.0	2945.2	2908.1	2871.1	2834.0	2796.9	2753.6	2713.4
75°	2775.3	2790.7	2806.2	2821.6	2837.1	2809.3	2781.4	2750.5	2722.7	2691.8	2660.9
77.5°	2311.7	2330.2	2348.8	2367.3	2385.9	2385.9	2385.9	2382.8	2382.8	2388.9	2392.0
80°	1214.6	1276.4	1338.2	1400.0	1461.8	1526.7	1591.6	1656.5	1721.4	1777.0	1832.7
82.5°	253.4	281.2	306.0	333.8	358.5	414.1	466.7	522.3	574.8	701.5	828.3
85°	86.5	95.8	108.2	117.4	126.7	136.0	148.3	157.6	166.9	210.2	253.4
87.5°	9.3	9.3	9.3	9.3	9.3	12.4	15.5	15.5	18.5	21.6	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	747.9	744.8	744.8	741.7	741.7	738.6	735.5	732.4	729.4	726.3	723.2
5°	661.4	645.9	642.8	639.7	636.6	633.5	633.5	633.5	633.5	633.5	633.5
7.5°	599.6	605.7	608.8	611.9	611.9	615.0	615.0	618.1	618.1	618.1	615.0
10°	488.3	491.4	500.7	509.9	516.1	525.4	525.4	525.4	522.3	522.3	537.7
12.5°	441.9	438.8	445.0	451.2	457.4	463.6	485.2	506.8	525.4	547.0	559.4
15°	386.3	386.3	389.4	395.6	398.7	401.8	414.1	423.4	435.8	445.0	463.6
17.5°	426.5	432.7	417.2	401.8	383.2	367.8	398.7	429.6	460.5	491.4	506.8
20°	404.9	414.1	426.5	435.8	448.1	457.4	460.5	460.5	463.6	463.6	463.6
22.5°	423.4	404.9	420.3	438.8	454.3	469.8	463.6	457.4	451.2	445.0	472.8
25°	469.8	485.2	472.8	460.5	448.1	435.8	460.5	488.3	513.0	537.7	528.5
27.5°	482.1	469.8	485.2	500.7	516.1	531.6	522.3	516.1	506.8	497.6	516.1
30°	547.0	531.6	525.4	519.2	509.9	503.7	519.2	531.6	547.0	559.4	556.3
32.5°	602.6	571.7	571.7	571.7	568.6	568.6	568.6	571.7	571.7	571.7	593.4
35°	655.2	630.5	624.3	618.1	611.9	605.7	611.9	618.1	621.2	627.4	655.2
37.5°	683.0	655.2	655.2	655.2	655.2	655.2	658.3	664.5	667.5	670.6	701.5
40°	726.3	692.3	695.4	701.5	704.6	707.7	713.9	723.2	729.4	735.5	763.3
42.5°	788.1	751.0	754.1	760.3	763.3	766.4	778.8	788.1	800.4	809.7	840.6
45°	859.2	822.1	828.3	831.3	837.5	840.6	853.0	865.3	874.6	887.0	927.1
47.5°	948.8	911.7	921.0	927.1	936.4	942.6	951.9	958.1	967.3	973.5	1016.8
50°	1047.7	1010.6	1023.0	1035.3	1047.7	1060.0	1063.1	1063.1	1066.2	1066.2	1121.8
52.5°	1174.4	1137.3	1149.7	1165.1	1177.5	1189.8	1196.0	1202.2	1205.3	1211.5	1267.1
55°	1322.7	1288.7	1307.3	1325.8	1344.4	1362.9	1366.0	1369.1	1369.1	1372.2	1427.8
57.5°	1514.3	1477.3	1502.0	1529.8	1554.5	1579.2	1579.2	1576.1	1576.1	1573.1	1628.7
60°	1724.5	1690.5	1721.4	1755.4	1786.3	1817.2	1807.9	1798.7	1786.3	1777.0	1838.8
62.5°	1947.0	1909.9	1956.3	2002.6	2049.0	2095.3	2076.8	2061.4	2042.8	2024.3	2089.2
65°	2188.1	2151.0	2206.6	2262.2	2317.9	2373.5	2339.5	2305.5	2268.4	2234.4	2308.6
67.5°	2419.9	2376.6	2435.3	2490.9	2549.7	2605.3	2565.1	2524.9	2484.8	2444.6	2531.1
70°	2599.1	2562.0	2614.6	2667.1	2719.6	2772.2	2732.0	2691.8	2651.6	2611.5	2716.5
72.5°	2670.2	2626.9	2691.8	2759.8	2824.7	2889.6	2849.4	2809.3	2766.0	2725.8	2834.0
75°	2630.0	2599.1	2688.7	2775.3	2864.9	2951.4	2892.7	2834.0	2775.3	2716.5	2812.3
77.5°	2398.2	2401.3	2528.0	2651.6	2778.3	2902.0	2796.9	2691.8	2586.7	2481.7	2528.0
80°	1888.3	1943.9	2089.2	2234.4	2376.6	2521.8	2370.4	2222.1	2070.6	1919.2	1888.3
82.5°	951.9	1078.6	1239.3	1403.1	1563.8	1724.5	1573.1	1424.7	1273.3	1121.8	1026.0
85°	296.7	340.0	404.9	469.8	534.7	599.6	522.3	445.0	367.8	290.5	259.6
87.5°	24.7	27.8	27.8	24.7	24.7	21.6	24.7	27.8	27.8	30.9	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	720.1	713.9	710.8	701.5	692.3	683.0	673.7	673.7	676.8	676.8	676.8
5°	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	636.6	636.6	636.6
7.5°	611.9	608.8	605.7	602.6	602.6	599.6	596.5	587.2	574.8	565.6	553.2
10°	556.3	571.7	587.2	593.4	599.6	602.6	608.8	608.8	611.9	611.9	611.9
12.5°	574.8	587.2	599.6	596.5	593.4	590.3	587.2	574.8	559.4	547.0	531.6
15°	482.1	497.6	516.1	537.7	562.5	584.1	605.7	608.8	611.9	615.0	618.1
17.5°	525.4	540.8	556.3	562.5	571.7	577.9	584.1	571.7	556.3	543.9	528.5
20°	460.5	460.5	457.4	494.5	534.7	571.7	608.8	615.0	621.2	624.3	630.5
22.5°	497.6	525.4	550.1	547.0	543.9	540.8	537.7	537.7	537.7	534.7	534.7
25°	522.3	513.0	503.7	537.7	568.6	602.6	633.5	639.7	645.9	649.0	655.2
27.5°	537.7	556.3	574.8	568.6	562.5	553.2	547.0	550.1	556.3	559.4	562.5
30°	556.3	553.2	550.1	584.1	615.0	649.0	679.9	683.0	686.1	686.1	689.2
32.5°	611.9	633.5	652.1	667.5	686.1	701.5	717.0	744.8	775.7	803.5	831.3
35°	683.0	707.7	735.5	766.4	797.3	828.3	859.2	865.3	874.6	880.8	887.0
37.5°	729.4	760.3	788.1	822.1	856.1	887.0	921.0	927.1	930.2	936.4	939.5
40°	791.2	819.0	846.8	883.9	921.0	955.0	992.0	998.2	1001.3	1007.5	1010.6
42.5°	868.4	899.3	927.1	964.2	998.2	1035.3	1069.3	1072.4	1078.6	1081.7	1084.8
45°	964.2	1004.4	1041.5	1075.5	1106.4	1140.4	1171.3	1174.4	1177.5	1177.5	1180.6
47.5°	1060.0	1100.2	1143.5	1177.5	1211.5	1242.4	1276.4	1282.6	1285.6	1291.8	1294.9
50°	1174.4	1230.0	1282.6	1313.5	1347.5	1378.4	1409.3	1412.4	1418.5	1421.6	1424.7
52.5°	1319.6	1375.3	1427.8	1458.7	1492.7	1523.6	1554.5	1557.6	1557.6	1560.7	1560.7
55°	1483.4	1539.1	1594.7	1625.6	1656.5	1687.4	1718.3	1718.3	1718.3	1715.2	1715.2
57.5°	1684.3	1736.9	1792.5	1823.4	1854.3	1885.2	1916.1	1916.1	1916.1	1916.1	1916.1
60°	1903.7	1965.5	2027.4	2055.2	2083.0	2110.8	2138.6	2132.4	2123.2	2117.0	2107.7
62.5°	2151.0	2215.9	2277.7	2299.3	2317.9	2339.5	2358.0	2348.8	2336.4	2327.1	2314.8
65°	2382.8	2456.9	2531.1	2546.6	2562.0	2574.4	2589.8	2574.4	2558.9	2540.4	2524.9
67.5°	2617.6	2701.1	2787.6	2793.8	2800.0	2806.2	2812.3	2796.9	2781.4	2762.9	2747.4
70°	2821.6	2926.7	3031.8	3034.9	3037.9	3041.0	3044.1	3028.7	3013.2	2994.7	2979.2
72.5°	2939.1	3047.2	3152.3	3161.6	3167.7	3177.0	3183.2	3167.7	3155.4	3139.9	3124.5
75°	2905.1	3000.9	3093.6	3084.3	3075.0	3062.7	3053.4	3028.7	3004.0	2976.1	2951.4
77.5°	2574.4	2617.6	2664.0	2614.6	2562.0	2512.6	2460.0	2435.3	2407.5	2382.8	2354.9
80°	1857.4	1823.4	1792.5	1699.8	1607.1	1511.2	1418.5	1356.7	1294.9	1233.1	1171.3
82.5°	933.3	837.5	741.7	658.3	574.8	488.3	404.9	373.9	340.0	309.0	275.1
85°	231.8	200.9	170.0	157.6	145.3	132.9	120.5	105.1	92.7	77.3	61.8
87.5°	27.8	24.7	21.6	18.5	18.5	15.5	12.4	12.4	12.4	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560925

CATALOG NUMBER: SDL-PA1-70-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	760.3	760.3
2.5°	676.8	673.7
5°	636.6	636.6
7.5°	550.1	543.9
10°	611.9	611.9
12.5°	534.7	537.7
15°	618.1	618.1
17.5°	528.5	525.4
20°	630.5	630.5
22.5°	534.7	534.7
25°	655.2	652.1
27.5°	562.5	562.5
30°	689.2	689.2
32.5°	834.4	837.5
35°	890.1	890.1
37.5°	942.6	942.6
40°	1010.6	1007.5
42.5°	1087.9	1087.9
45°	1183.7	1183.7
47.5°	1298.0	1301.1
50°	1424.7	1424.7
52.5°	1560.7	1557.6
55°	1715.2	1715.2
57.5°	1906.8	1894.5
60°	2104.6	2101.5
62.5°	2311.7	2305.5
65°	2521.8	2515.7
67.5°	2744.4	2738.2
70°	2979.2	2976.1
72.5°	3115.2	3105.9
75°	2945.2	2939.1
77.5°	2330.2	2302.4
80°	1155.8	1140.4
82.5°	275.1	275.1
85°	58.7	55.6
87.5°	9.3	9.3
90°	0.0	0.0

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