

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: P560991

Luminaire Tested: **SDL-PA1-70-830-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560991
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-PA1-70-830-U-5WQ
Description: Springdale
(1) 80 CRI, 3000K, 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: 6977.7 lumens
Efficiency: N/A
Efficacy: 96.6 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

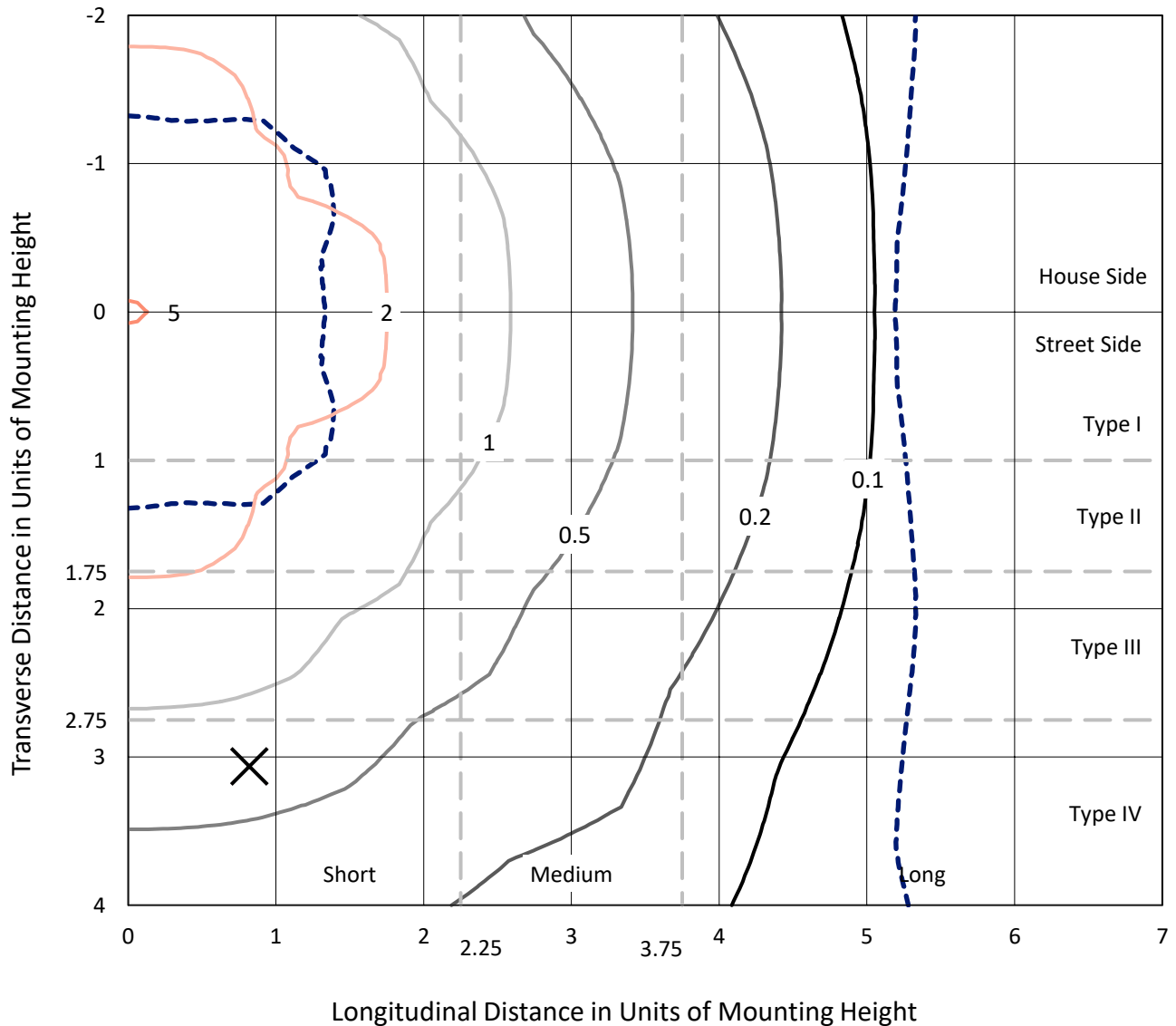
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

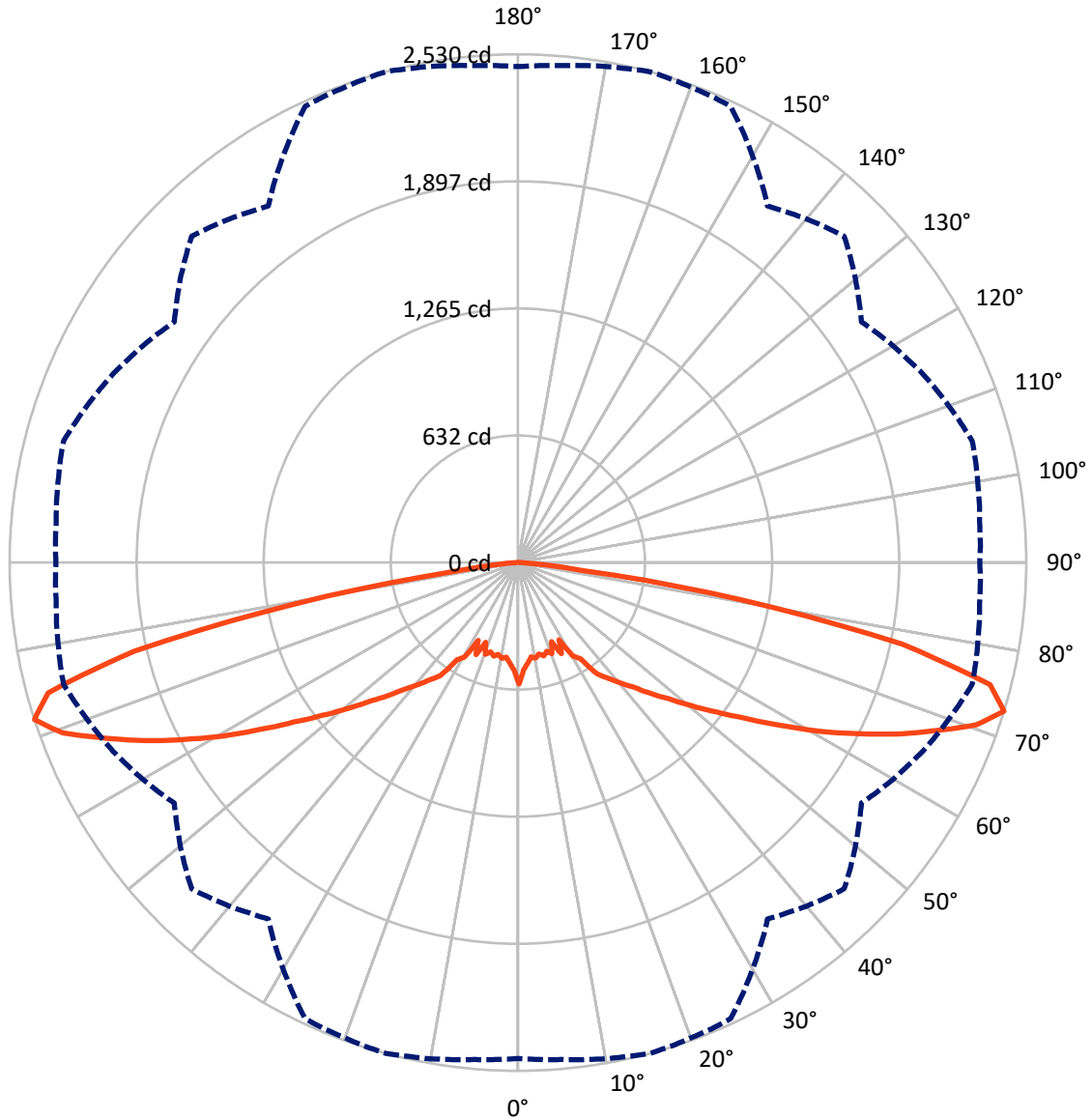
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P560991
CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560991

CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

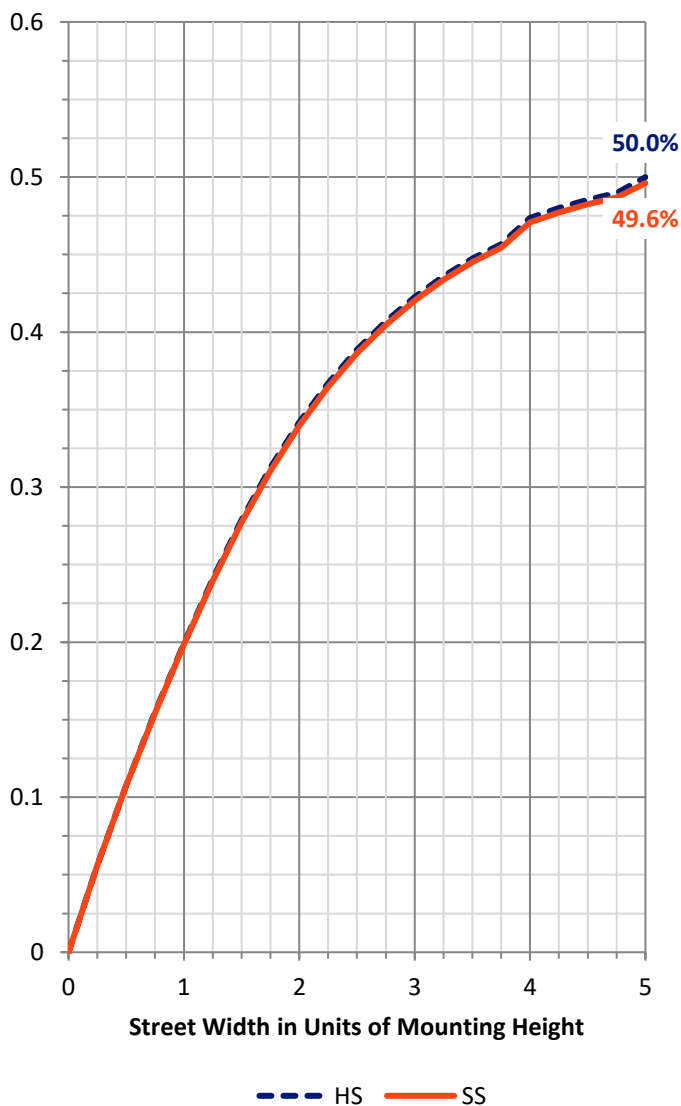
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3488.9	0.0	3488.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3488.9	0.0	3488.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6977.7	0.0	6977.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	0.7
10°-20°	110.1	1.6
20°-30°	196.5	2.8
30°-40°	376.0	5.4
40°-50°	640.3	9.2
50°-60°	1120.9	16.1
60°-70°	1891.3	27.1
70°-80°	2206.1	31.6
80°-90°	389.1	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°	6977.7	100.0
0°-180°	6977.7	100.0

Coefficient of Utilization



REPORT NUMBER: P560991

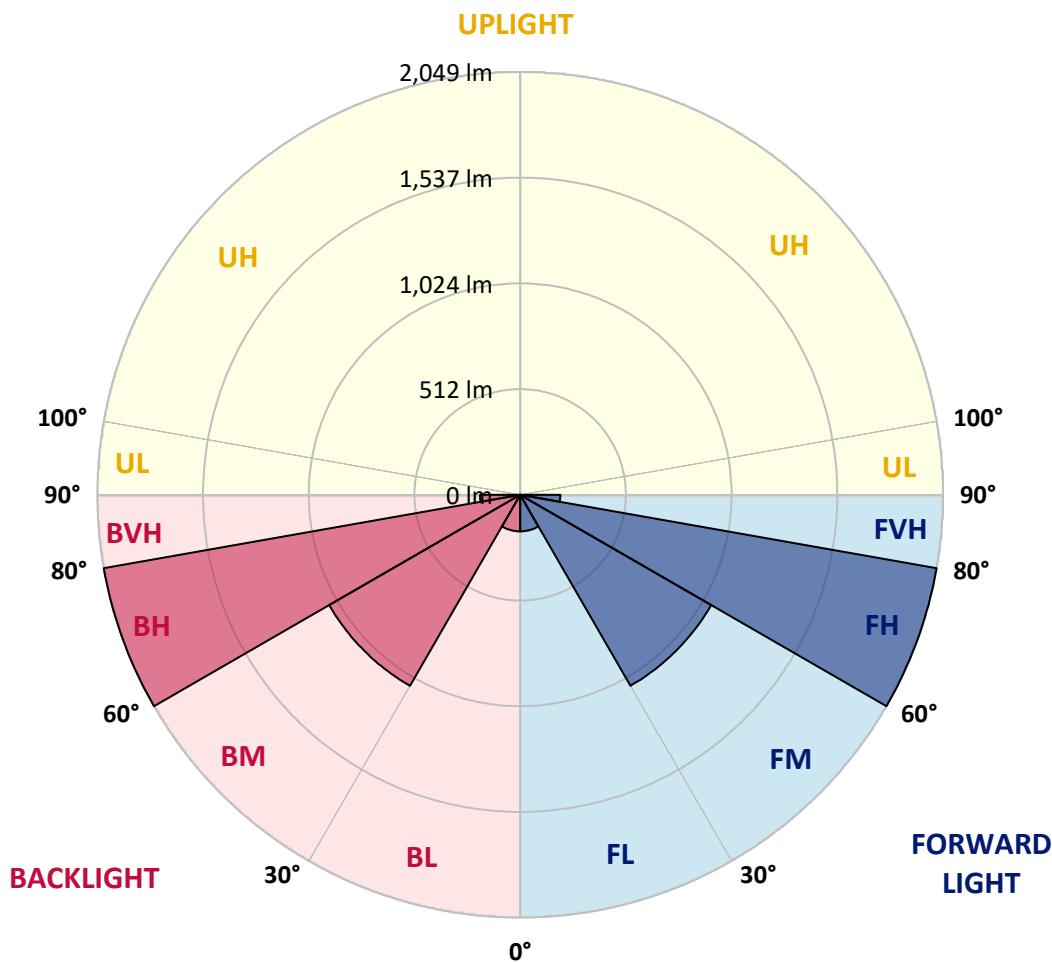
CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.1	2.5			
FM (30°-60°)	1068.6	15.3			
FH (60°-80°)	2048.7	29.4			G2/5000
FVH (80°-90°)	194.6	2.8			G2/225
BL (0°-30°)	177.1	2.5	B1/500		
BM (30°-60°)	1068.6	15.3	B2/2500		
BH (60°-80°)	2048.7	29.4	B3/2500		G2/5000
BVH (80°-90°)	194.6	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





REPORT NUMBER: P560991

CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	535.4	537.8	537.8	537.8	537.8	535.4	535.4	542.7	550.1	557.5	564.8
5°	505.9	505.9	505.9	505.9	505.9	503.4	503.4	503.4	503.4	503.4	503.4
7.5°	432.2	437.1	439.6	449.4	456.8	466.6	474.0	476.4	478.9	478.9	481.3
10°	486.3	486.3	486.3	486.3	486.3	483.8	483.8	478.9	476.4	471.5	466.6
12.5°	427.3	424.9	422.4	434.7	444.5	456.8	466.6	469.1	471.5	474.0	476.4
15°	491.2	491.2	491.2	488.7	486.3	483.8	481.3	464.2	447.0	427.3	410.1
17.5°	417.5	419.9	419.9	432.2	442.0	454.3	464.2	459.2	454.3	447.0	442.0
20°	501.0	501.0	501.0	496.1	493.6	488.7	483.8	454.3	424.9	392.9	363.5
22.5°	424.9	424.9	424.9	424.9	427.3	427.3	427.3	429.8	432.2	434.7	437.1
25°	518.2	520.6	520.6	515.7	513.3	508.4	503.4	478.9	451.9	427.3	400.3
27.5°	447.0	447.0	447.0	444.5	442.0	437.1	434.7	439.6	447.0	451.9	456.8
30°	547.7	547.7	547.7	545.2	545.2	542.7	540.3	515.7	488.7	464.2	437.1
32.5°	665.5	663.1	660.6	638.5	616.4	591.9	569.8	557.5	545.2	530.5	518.2
35°	707.3	707.3	704.8	699.9	695.0	687.6	682.7	658.2	633.6	609.0	584.5
37.5°	749.0	749.0	746.6	744.1	739.2	736.7	731.8	704.8	680.3	653.3	626.2
40°	800.6	803.1	803.1	800.6	795.7	793.2	788.3	758.9	731.8	702.4	672.9
42.5°	864.5	864.5	862.0	859.5	857.1	852.2	849.7	822.7	793.2	766.2	736.7
45°	940.6	940.6	938.1	935.7	935.7	933.2	930.8	906.2	879.2	854.6	827.6
47.5°	1033.9	1031.4	1029.0	1026.5	1021.6	1019.2	1014.3	987.2	962.7	935.7	908.7
50°	1132.1	1132.1	1132.1	1129.7	1127.2	1122.3	1119.9	1095.3	1070.7	1043.7	1019.2
52.5°	1237.7	1240.2	1240.2	1240.2	1237.7	1237.7	1235.3	1210.7	1186.2	1159.2	1134.6
55°	1363.0	1363.0	1363.0	1363.0	1365.4	1365.4	1365.4	1340.9	1316.3	1291.8	1267.2
57.5°	1505.4	1515.2	1522.6	1522.6	1522.6	1522.6	1522.6	1498.1	1473.5	1448.9	1424.4
60°	1670.0	1672.4	1674.9	1682.2	1687.2	1694.5	1699.4	1677.3	1655.2	1633.1	1611.0
62.5°	1832.1	1837.0	1839.4	1849.2	1856.6	1866.4	1873.8	1859.1	1841.9	1827.1	1809.9
65°	1999.0	2004.0	2006.4	2018.7	2033.4	2045.7	2058.0	2045.7	2035.9	2023.6	2011.3
67.5°	2175.9	2180.8	2183.2	2195.5	2210.2	2222.5	2234.8	2229.9	2225.0	2220.1	2215.2
70°	2365.0	2367.4	2367.4	2379.7	2394.4	2406.7	2419.0	2416.5	2414.1	2411.6	2409.2
72.5°	2468.1	2475.5	2482.8	2495.1	2507.4	2517.2	2529.5	2524.6	2517.2	2512.3	2504.9
75°	2335.5	2340.4	2345.3	2365.0	2387.1	2406.7	2426.4	2433.7	2443.6	2450.9	2458.3
77.5°	1829.6	1851.7	1871.3	1893.4	1913.1	1935.2	1954.8	1996.6	2035.9	2077.6	2116.9
80°	906.2	918.5	930.8	979.9	1029.0	1078.1	1127.2	1200.9	1277.0	1350.7	1424.4
82.5°	218.6	218.6	218.6	245.6	270.1	297.2	321.7	388.0	456.8	523.1	589.4
85°	44.2	46.7	49.1	61.4	73.7	83.5	95.8	105.6	115.4	125.2	135.1
87.5°	7.4	7.4	7.4	7.4	9.8	9.8	9.8	12.3	14.7	14.7	17.2
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	567.3	572.2	574.7	577.1	579.6	582.0	584.5	586.9	589.4	589.4	591.9
5°	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	505.9	508.4	510.8
7.5°	483.8	486.3	488.7	491.2	491.2	491.2	488.7	488.7	486.3	486.3	483.8
10°	454.3	442.0	427.3	415.0	415.0	417.5	417.5	417.5	410.1	405.2	397.8
12.5°	466.6	456.8	444.5	434.7	417.5	402.8	385.6	368.4	363.5	358.6	353.6
15°	395.4	383.1	368.4	353.6	346.3	336.4	329.1	319.3	316.8	314.3	309.4
17.5°	429.8	417.5	402.8	390.5	365.9	341.4	316.8	292.2	304.5	319.3	331.5
20°	365.9	365.9	368.4	368.4	368.4	365.9	365.9	363.5	356.1	346.3	338.9
22.5°	417.5	395.4	375.7	353.6	358.6	363.5	368.4	373.3	361.0	348.7	334.0
25°	407.7	415.0	419.9	427.3	407.7	388.0	365.9	346.3	356.1	365.9	375.7
27.5°	442.0	427.3	410.1	395.4	402.8	410.1	415.0	422.4	410.1	397.8	385.6
30°	439.6	442.0	442.0	444.5	434.7	422.4	412.6	400.3	405.2	412.6	417.5
32.5°	503.4	486.3	471.5	454.3	454.3	454.3	451.9	451.9	451.9	454.3	454.3
35°	562.4	542.7	520.6	498.5	493.6	491.2	486.3	481.3	486.3	491.2	496.1
37.5°	604.1	579.6	557.5	532.9	530.5	528.0	523.1	520.6	520.6	520.6	520.6
40°	650.8	628.7	606.6	584.5	579.6	574.7	567.3	562.4	559.9	557.5	552.6
42.5°	714.6	690.1	668.0	643.4	636.1	626.2	618.9	609.0	606.6	604.1	599.2
45°	798.1	766.2	736.7	704.8	695.0	687.6	677.8	668.0	665.5	660.6	658.2
47.5°	874.3	842.4	808.0	773.6	768.7	761.3	756.4	749.0	744.1	736.7	731.8
50°	977.4	933.2	891.5	847.3	847.3	844.8	844.8	842.4	832.5	822.7	812.9
52.5°	1092.8	1048.6	1006.9	962.7	957.8	955.3	950.4	945.5	935.7	925.8	913.6
55°	1223.0	1178.8	1134.6	1090.4	1087.9	1087.9	1085.5	1083.0	1068.3	1053.6	1038.8
57.5°	1380.2	1338.4	1294.2	1250.0	1252.5	1252.5	1254.9	1254.9	1235.3	1215.6	1193.5
60°	1561.9	1512.8	1461.2	1412.1	1419.5	1429.3	1436.7	1444.0	1419.5	1394.9	1367.9
62.5°	1760.8	1709.3	1660.1	1608.6	1623.3	1638.0	1650.3	1665.1	1628.2	1591.4	1554.5
65°	1952.4	1893.4	1834.5	1775.6	1802.6	1832.1	1859.1	1886.1	1841.9	1797.7	1753.5
67.5°	2146.4	2080.1	2011.3	1942.6	1974.5	2006.4	2038.3	2070.3	2026.1	1979.4	1935.2
70°	2325.7	2242.2	2158.7	2075.2	2107.1	2139.0	2171.0	2202.9	2161.1	2119.4	2077.6
72.5°	2421.5	2335.5	2252.0	2166.0	2198.0	2232.4	2264.3	2296.2	2244.6	2193.1	2139.0
75°	2384.6	2308.5	2234.8	2158.7	2205.3	2252.0	2298.7	2345.3	2276.6	2205.3	2136.6
77.5°	2080.1	2045.7	2008.9	1972.0	2055.5	2139.0	2222.5	2306.0	2207.8	2107.1	2008.9
80°	1448.9	1476.0	1500.5	1525.1	1645.4	1765.7	1883.6	2004.0	1888.5	1775.6	1660.1
82.5°	665.5	741.7	815.3	891.5	1011.8	1132.1	1250.0	1370.4	1242.7	1114.9	984.8
85°	159.6	184.2	206.3	230.8	292.2	353.6	415.0	476.4	424.9	373.3	321.7
87.5°	19.6	22.1	22.1	24.6	22.1	22.1	19.6	17.2	19.6	19.6	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



REPORT NUMBER: P560991

CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	591.9	594.3	594.3	596.8	596.8	596.8	596.8	594.3	594.3	594.3	596.8
5°	513.3	525.5	535.4	547.7	557.5	562.4	569.8	574.7	579.6	582.0	582.0
7.5°	481.3	476.4	469.1	464.2	456.8	466.6	478.9	488.7	498.5	501.0	503.4
10°	390.5	388.0	383.1	380.7	375.7	378.2	383.1	385.6	388.0	400.3	415.0
12.5°	348.7	351.2	353.6	356.1	358.6	351.2	343.8	334.0	326.6	338.9	351.2
15°	307.0	307.0	309.4	309.4	309.4	319.3	329.1	338.9	348.7	365.9	385.6
17.5°	343.8	338.9	334.0	326.6	321.7	324.2	324.2	326.6	326.6	336.4	343.8
20°	329.1	321.7	316.8	309.4	302.1	314.3	326.6	338.9	351.2	370.8	390.5
22.5°	321.7	336.4	348.7	363.5	375.7	368.4	361.0	351.2	343.8	343.8	343.8
25°	385.6	373.3	361.0	348.7	336.4	358.6	378.2	400.3	419.9	434.7	447.0
27.5°	373.3	383.1	392.9	400.3	410.1	422.4	434.7	447.0	459.2	481.3	501.0
30°	422.4	434.7	447.0	456.8	469.1	501.0	530.5	562.4	591.9	606.6	621.3
32.5°	454.3	478.9	501.0	525.5	547.7	564.8	582.0	599.2	616.4	631.1	648.3
35°	501.0	520.6	537.8	557.5	574.7	594.3	614.0	631.1	650.8	665.5	680.3
37.5°	520.6	542.7	564.8	584.5	606.6	631.1	653.3	677.8	699.9	712.2	722.0
40°	550.1	577.1	604.1	631.1	658.2	682.7	707.3	731.8	756.4	766.2	776.0
42.5°	596.8	626.2	655.7	682.7	712.2	739.2	763.8	790.8	815.3	825.2	835.0
45°	653.3	682.7	712.2	741.7	771.1	800.6	830.1	859.5	889.0	901.3	913.6
47.5°	724.5	753.9	785.9	815.3	844.8	881.6	916.0	952.9	987.2	997.1	1006.9
50°	803.1	832.5	862.0	891.5	920.9	967.6	1011.8	1058.5	1102.7	1107.6	1114.9
52.5°	903.7	933.2	960.2	989.7	1016.7	1068.3	1119.9	1169.0	1220.5	1223.0	1227.9
55°	1024.1	1051.1	1080.6	1107.6	1134.6	1191.1	1245.1	1301.6	1355.6	1355.6	1358.1
57.5°	1173.9	1203.4	1232.8	1259.8	1289.3	1343.3	1397.4	1448.9	1503.0	1500.5	1498.1
60°	1343.3	1370.4	1394.9	1421.9	1446.5	1498.1	1552.1	1603.7	1655.2	1650.3	1643.0
62.5°	1517.7	1547.2	1576.6	1603.7	1633.1	1674.9	1719.1	1760.8	1802.6	1792.8	1782.9
65°	1709.3	1738.7	1770.7	1800.1	1829.6	1861.5	1895.9	1927.8	1959.8	1949.9	1942.6
67.5°	1888.5	1922.9	1957.3	1989.2	2023.6	2048.2	2072.7	2094.8	2119.4	2107.1	2094.8
70°	2035.9	2065.4	2094.8	2124.3	2153.8	2178.3	2202.9	2227.4	2252.0	2239.7	2227.4
72.5°	2087.5	2121.8	2156.2	2188.1	2222.5	2252.0	2281.5	2310.9	2340.4	2333.0	2323.2
75°	2065.4	2089.9	2114.5	2139.0	2163.6	2185.7	2210.2	2232.4	2254.5	2242.2	2229.9
77.5°	1908.2	1905.7	1900.8	1898.4	1893.4	1893.4	1895.9	1895.9	1895.9	1881.2	1866.4
80°	1544.7	1500.5	1456.3	1412.1	1367.9	1316.3	1264.8	1213.2	1161.6	1112.5	1063.4
82.5°	857.1	756.4	658.2	557.5	456.8	415.0	370.8	329.1	284.9	265.2	243.1
85°	270.1	235.8	201.4	167.0	132.6	125.2	117.9	108.1	100.7	93.3	86.0
87.5°	22.1	19.6	19.6	17.2	14.7	12.3	12.3	9.8	7.4	7.4	7.4
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	596.8	596.8	596.8	596.8	596.8	596.8	596.8	596.8	594.3	594.3	594.3
5°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	582.0	582.0	579.6	574.7
7.5°	503.4	505.9	505.9	503.4	505.9	505.9	503.4	503.4	501.0	498.5	488.7
10°	427.3	439.6	439.6	439.6	439.6	439.6	427.3	415.0	400.3	388.0	385.6
12.5°	363.5	375.7	375.7	375.7	375.7	375.7	363.5	351.2	338.9	326.6	334.0
15°	402.8	419.9	419.9	419.9	419.9	419.9	402.8	385.6	365.9	348.7	338.9
17.5°	353.6	361.0	363.5	363.5	363.5	361.0	353.6	343.8	336.4	326.6	326.6
20°	407.7	427.3	429.8	432.2	429.8	427.3	407.7	390.5	370.8	351.2	338.9
22.5°	341.4	341.4	343.8	343.8	343.8	341.4	341.4	343.8	343.8	343.8	351.2
25°	461.7	474.0	474.0	471.5	474.0	474.0	461.7	447.0	434.7	419.9	400.3
27.5°	523.1	542.7	547.7	550.1	547.7	542.7	523.1	501.0	481.3	459.2	447.0
30°	636.1	650.8	650.8	650.8	650.8	650.8	636.1	621.3	606.6	591.9	562.4
32.5°	663.1	677.8	677.8	677.8	677.8	677.8	663.1	648.3	631.1	616.4	599.2
35°	692.5	707.3	709.7	709.7	709.7	707.3	692.5	680.3	665.5	650.8	631.1
37.5°	734.3	744.1	746.6	749.0	746.6	744.1	734.3	722.0	712.2	699.9	677.8
40°	783.4	793.2	793.2	793.2	793.2	793.2	783.4	776.0	766.2	756.4	731.8
42.5°	844.8	854.6	857.1	859.5	857.1	854.6	844.8	835.0	825.2	815.3	790.8
45°	923.4	935.7	938.1	940.6	938.1	935.7	923.4	913.6	901.3	889.0	859.5
47.5°	1016.7	1026.5	1026.5	1026.5	1026.5	1026.5	1016.7	1006.9	997.1	987.2	952.9
50°	1119.9	1124.8	1127.2	1127.2	1127.2	1124.8	1119.9	1114.9	1107.6	1102.7	1058.5
52.5°	1230.4	1232.8	1232.8	1230.4	1232.8	1232.8	1230.4	1227.9	1223.0	1220.5	1169.0
55°	1358.1	1358.1	1355.6	1350.7	1355.6	1358.1	1358.1	1358.1	1355.6	1355.6	1301.6
57.5°	1495.6	1493.1	1493.1	1490.7	1493.1	1493.1	1495.6	1498.1	1500.5	1503.0	1448.9
60°	1638.0	1630.7	1628.2	1623.3	1628.2	1630.7	1638.0	1643.0	1650.3	1655.2	1603.7
62.5°	1773.1	1763.3	1763.3	1763.3	1763.3	1763.3	1773.1	1782.9	1792.8	1802.6	1760.8
65°	1932.7	1922.9	1918.0	1913.1	1918.0	1922.9	1932.7	1942.6	1949.9	1959.8	1927.8
67.5°	2082.5	2070.3	2065.4	2058.0	2065.4	2070.3	2082.5	2094.8	2107.1	2119.4	2094.8
70°	2212.7	2200.4	2198.0	2195.5	2198.0	2200.4	2212.7	2227.4	2239.7	2252.0	2227.4
72.5°	2315.8	2306.0	2303.6	2298.7	2303.6	2306.0	2315.8	2323.2	2333.0	2340.4	2310.9
75°	2217.6	2205.3	2198.0	2188.1	2198.0	2205.3	2217.6	2229.9	2242.2	2254.5	2232.4
77.5°	1851.7	1837.0	1832.1	1824.7	1832.1	1837.0	1851.7	1866.4	1881.2	1895.9	1895.9
80°	1014.3	965.1	952.9	938.1	952.9	965.1	1014.3	1063.4	1112.5	1161.6	1213.2
82.5°	223.5	201.4	194.0	184.2	194.0	201.4	223.5	243.1	265.2	284.9	329.1
85°	76.1	68.8	63.9	58.9	63.9	68.8	76.1	86.0	93.3	100.7	108.1
87.5°	7.4	7.4	7.4	4.9	7.4	7.4	7.4	7.4	7.4	7.4	9.8
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	596.8	596.8	596.8	596.8	594.3	594.3	591.9	591.9	589.4	589.4	586.9
5°	569.8	562.4	557.5	547.7	535.4	525.5	513.3	510.8	508.4	505.9	503.4
7.5°	478.9	466.6	456.8	464.2	469.1	476.4	481.3	483.8	486.3	486.3	488.7
10°	383.1	378.2	375.7	380.7	383.1	388.0	390.5	397.8	405.2	410.1	417.5
12.5°	343.8	351.2	358.6	356.1	353.6	351.2	348.7	353.6	358.6	363.5	368.4
15°	329.1	319.3	309.4	309.4	309.4	307.0	307.0	309.4	314.3	316.8	319.3
17.5°	324.2	324.2	321.7	326.6	334.0	338.9	343.8	331.5	319.3	304.5	292.2
20°	326.6	314.3	302.1	309.4	316.8	321.7	329.1	338.9	346.3	356.1	363.5
22.5°	361.0	368.4	375.7	363.5	348.7	336.4	321.7	334.0	348.7	361.0	373.3
25°	378.2	358.6	336.4	348.7	361.0	373.3	385.6	375.7	365.9	356.1	346.3
27.5°	434.7	422.4	410.1	400.3	392.9	383.1	373.3	385.6	397.8	410.1	422.4
30°	530.5	501.0	469.1	456.8	447.0	434.7	422.4	417.5	412.6	405.2	400.3
32.5°	582.0	564.8	547.7	525.5	501.0	478.9	454.3	454.3	454.3	451.9	451.9
35°	614.0	594.3	574.7	557.5	537.8	520.6	501.0	496.1	491.2	486.3	481.3
37.5°	653.3	631.1	606.6	584.5	564.8	542.7	520.6	520.6	520.6	520.6	520.6
40°	707.3	682.7	658.2	631.1	604.1	577.1	550.1	552.6	557.5	559.9	562.4
42.5°	763.8	739.2	712.2	682.7	655.7	626.2	596.8	599.2	604.1	606.6	609.0
45°	830.1	800.6	771.1	741.7	712.2	682.7	653.3	658.2	660.6	665.5	668.0
47.5°	916.0	881.6	844.8	815.3	785.9	753.9	724.5	731.8	736.7	744.1	749.0
50°	1011.8	967.6	920.9	891.5	862.0	832.5	803.1	812.9	822.7	832.5	842.4
52.5°	1119.9	1068.3	1016.7	989.7	960.2	933.2	903.7	913.6	925.8	935.7	945.5
55°	1245.1	1191.1	1134.6	1107.6	1080.6	1051.1	1024.1	1038.8	1053.6	1068.3	1083.0
57.5°	1397.4	1343.3	1289.3	1259.8	1232.8	1203.4	1173.9	1193.5	1215.6	1235.3	1254.9
60°	1552.1	1498.1	1446.5	1421.9	1394.9	1370.4	1343.3	1367.9	1394.9	1419.5	1444.0
62.5°	1719.1	1674.9	1633.1	1603.7	1576.6	1547.2	1517.7	1554.5	1591.4	1628.2	1665.1
65°	1895.9	1861.5	1829.6	1800.1	1770.7	1738.7	1709.3	1753.5	1797.7	1841.9	1886.1
67.5°	2072.7	2048.2	2023.6	1989.2	1957.3	1922.9	1888.5	1935.2	1979.4	2026.1	2070.3
70°	2202.9	2178.3	2153.8	2124.3	2094.8	2065.4	2035.9	2077.6	2119.4	2161.1	2202.9
72.5°	2281.5	2252.0	2222.5	2188.1	2156.2	2121.8	2087.5	2139.0	2193.1	2244.6	2296.2
75°	2210.2	2185.7	2163.6	2139.0	2114.5	2089.9	2065.4	2136.6	2205.3	2276.6	2345.3
77.5°	1895.9	1893.4	1893.4	1898.4	1900.8	1905.7	1908.2	2008.9	2107.1	2207.8	2306.0
80°	1264.8	1316.3	1367.9	1412.1	1456.3	1500.5	1544.7	1660.1	1775.6	1888.5	2004.0
82.5°	370.8	415.0	456.8	557.5	658.2	756.4	857.1	984.8	1114.9	1242.7	1370.4
85°	117.9	125.2	132.6	167.0	201.4	235.8	270.1	321.7	373.3	424.9	476.4
87.5°	12.3	12.3	14.7	17.2	19.6	19.6	22.1	22.1	19.6	19.6	17.2
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	584.5	582.0	579.6	577.1	574.7	572.2	567.3	564.8	557.5	550.1	542.7
5°	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4
7.5°	488.7	491.2	491.2	491.2	488.7	486.3	483.8	481.3	478.9	478.9	476.4
10°	417.5	417.5	415.0	415.0	427.3	442.0	454.3	466.6	471.5	476.4	478.9
12.5°	385.6	402.8	417.5	434.7	444.5	456.8	466.6	476.4	474.0	471.5	469.1
15°	329.1	336.4	346.3	353.6	368.4	383.1	395.4	410.1	427.3	447.0	464.2
17.5°	316.8	341.4	365.9	390.5	402.8	417.5	429.8	442.0	447.0	454.3	459.2
20°	365.9	365.9	368.4	368.4	368.4	365.9	365.9	363.5	392.9	424.9	454.3
22.5°	368.4	363.5	358.6	353.6	375.7	395.4	417.5	437.1	434.7	432.2	429.8
25°	365.9	388.0	407.7	427.3	419.9	415.0	407.7	400.3	427.3	451.9	478.9
27.5°	415.0	410.1	402.8	395.4	410.1	427.3	442.0	456.8	451.9	447.0	439.6
30°	412.6	422.4	434.7	444.5	442.0	442.0	439.6	437.1	464.2	488.7	515.7
32.5°	451.9	454.3	454.3	454.3	471.5	486.3	503.4	518.2	530.5	545.2	557.5
35°	486.3	491.2	493.6	498.5	520.6	542.7	562.4	584.5	609.0	633.6	658.2
37.5°	523.1	528.0	530.5	532.9	557.5	579.6	604.1	626.2	653.3	680.3	704.8
40°	567.3	574.7	579.6	584.5	606.6	628.7	650.8	672.9	702.4	731.8	758.9
42.5°	618.9	626.2	636.1	643.4	668.0	690.1	714.6	736.7	766.2	793.2	822.7
45°	677.8	687.6	695.0	704.8	736.7	766.2	798.1	827.6	854.6	879.2	906.2
47.5°	756.4	761.3	768.7	773.6	808.0	842.4	874.3	908.7	935.7	962.7	987.2
50°	844.8	844.8	847.3	847.3	891.5	933.2	977.4	1019.2	1043.7	1070.7	1095.3
52.5°	950.4	955.3	957.8	962.7	1006.9	1048.6	1092.8	1134.6	1159.2	1186.2	1210.7
55°	1085.5	1087.9	1087.9	1090.4	1134.6	1178.8	1223.0	1267.2	1291.8	1316.3	1340.9
57.5°	1254.9	1252.5	1252.5	1250.0	1294.2	1338.4	1380.2	1424.4	1448.9	1473.5	1498.1
60°	1436.7	1429.3	1419.5	1412.1	1461.2	1512.8	1561.9	1611.0	1633.1	1655.2	1677.3
62.5°	1650.3	1638.0	1623.3	1608.6	1660.1	1709.3	1760.8	1809.9	1827.1	1841.9	1859.1
65°	1859.1	1832.1	1802.6	1775.6	1834.5	1893.4	1952.4	2011.3	2023.6	2035.9	2045.7
67.5°	2038.3	2006.4	1974.5	1942.6	2011.3	2080.1	2146.4	2215.2	2220.1	2225.0	2229.9
70°	2171.0	2139.0	2107.1	2075.2	2158.7	2242.2	2325.7	2409.2	2411.6	2414.1	2416.5
72.5°	2264.3	2232.4	2198.0	2166.0	2252.0	2335.5	2421.5	2504.9	2512.3	2517.2	2524.6
75°	2298.7	2252.0	2205.3	2158.7	2234.8	2308.5	2384.6	2458.3	2450.9	2443.6	2433.7
77.5°	2222.5	2139.0	2055.5	1972.0	2008.9	2045.7	2080.1	2116.9	2077.6	2035.9	1996.6
80°	1883.6	1765.7	1645.4	1525.1	1500.5	1476.0	1448.9	1424.4	1350.7	1277.0	1200.9
82.5°	1250.0	1132.1	1011.8	891.5	815.3	741.7	665.5	589.4	523.1	456.8	388.0
85°	415.0	353.6	292.2	230.8	206.3	184.2	159.6	135.1	125.2	115.4	105.6
87.5°	19.6	22.1	22.1	24.6	22.1	22.1	19.6	17.2	14.7	14.7	12.3
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	535.4	535.4	537.8	537.8	537.8	537.8	535.4	537.8	537.8	537.8	537.8
5°	503.4	503.4	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9	505.9
7.5°	474.0	466.6	456.8	449.4	439.6	437.1	432.2	437.1	439.6	449.4	456.8
10°	483.8	483.8	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
12.5°	466.6	456.8	444.5	434.7	422.4	424.9	427.3	424.9	422.4	434.7	444.5
15°	481.3	483.8	486.3	488.7	491.2	491.2	491.2	491.2	491.2	488.7	486.3
17.5°	464.2	454.3	442.0	432.2	419.9	419.9	417.5	419.9	419.9	432.2	442.0
20°	483.8	488.7	493.6	496.1	501.0	501.0	501.0	501.0	501.0	496.1	493.6
22.5°	427.3	427.3	427.3	424.9	424.9	424.9	424.9	424.9	424.9	424.9	427.3
25°	503.4	508.4	513.3	515.7	520.6	520.6	518.2	520.6	520.6	515.7	513.3
27.5°	434.7	437.1	442.0	444.5	447.0	447.0	447.0	447.0	447.0	444.5	442.0
30°	540.3	542.7	545.2	545.2	547.7	547.7	547.7	547.7	547.7	545.2	545.2
32.5°	569.8	591.9	616.4	638.5	660.6	663.1	665.5	663.1	660.6	638.5	616.4
35°	682.7	687.6	695.0	699.9	704.8	707.3	707.3	707.3	704.8	699.9	695.0
37.5°	731.8	736.7	739.2	744.1	746.6	749.0	749.0	749.0	746.6	744.1	739.2
40°	788.3	793.2	795.7	800.6	803.1	803.1	800.6	803.1	803.1	800.6	795.7
42.5°	849.7	852.2	857.1	859.5	862.0	864.5	864.5	864.5	862.0	859.5	857.1
45°	930.8	933.2	935.7	935.7	938.1	940.6	940.6	940.6	938.1	935.7	935.7
47.5°	1014.3	1019.2	1021.6	1026.5	1029.0	1031.4	1033.9	1031.4	1029.0	1026.5	1021.6
50°	1119.9	1122.3	1127.2	1129.7	1132.1	1132.1	1132.1	1132.1	1132.1	1129.7	1127.2
52.5°	1235.3	1237.7	1237.7	1240.2	1240.2	1240.2	1237.7	1240.2	1240.2	1240.2	1237.7
55°	1365.4	1365.4	1365.4	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1365.4
57.5°	1522.6	1522.6	1522.6	1522.6	1522.6	1515.2	1505.4	1515.2	1522.6	1522.6	1522.6
60°	1699.4	1694.5	1687.2	1682.2	1674.9	1672.4	1670.0	1672.4	1674.9	1682.2	1687.2
62.5°	1873.8	1866.4	1856.6	1849.2	1839.4	1837.0	1832.1	1837.0	1839.4	1849.2	1856.6
65°	2058.0	2045.7	2033.4	2018.7	2006.4	2004.0	1999.0	2004.0	2006.4	2018.7	2033.4
67.5°	2234.8	2222.5	2210.2	2195.5	2183.2	2180.8	2175.9	2180.8	2183.2	2195.5	2210.2
70°	2419.0	2406.7	2394.4	2379.7	2367.4	2367.4	2365.0	2367.4	2367.4	2379.7	2394.4
72.5°	2529.5	2517.2	2507.4	2495.1	2482.8	2475.5	2468.1	2475.5	2482.8	2495.1	2507.4
75°	2426.4	2406.7	2387.1	2365.0	2345.3	2340.4	2335.5	2340.4	2345.3	2365.0	2387.1
77.5°	1954.8	1935.2	1913.1	1893.4	1871.3	1851.7	1829.6	1851.7	1871.3	1893.4	1913.1
80°	1127.2	1078.1	1029.0	979.9	930.8	918.5	906.2	918.5	930.8	979.9	1029.0
82.5°	321.7	297.2	270.1	245.6	218.6	218.6	218.6	218.6	218.6	245.6	270.1
85°	95.8	83.5	73.7	61.4	49.1	46.7	44.2	46.7	49.1	61.4	73.7
87.5°	9.8	9.8	9.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	9.8
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	535.4	535.4	542.7	550.1	557.5	564.8	567.3	572.2	574.7	577.1	579.6
5°	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4
7.5°	466.6	474.0	476.4	478.9	478.9	481.3	483.8	486.3	488.7	491.2	491.2
10°	483.8	483.8	478.9	476.4	471.5	466.6	454.3	442.0	427.3	415.0	415.0
12.5°	456.8	466.6	469.1	471.5	474.0	476.4	466.6	456.8	444.5	434.7	417.5
15°	483.8	481.3	464.2	447.0	427.3	410.1	395.4	383.1	368.4	353.6	346.3
17.5°	454.3	464.2	459.2	454.3	447.0	442.0	429.8	417.5	402.8	390.5	365.9
20°	488.7	483.8	454.3	424.9	392.9	363.5	365.9	365.9	368.4	368.4	368.4
22.5°	427.3	427.3	429.8	432.2	434.7	437.1	417.5	395.4	375.7	353.6	358.6
25°	508.4	503.4	478.9	451.9	427.3	400.3	407.7	415.0	419.9	427.3	407.7
27.5°	437.1	434.7	439.6	447.0	451.9	456.8	442.0	427.3	410.1	395.4	402.8
30°	542.7	540.3	515.7	488.7	464.2	437.1	439.6	442.0	442.0	444.5	434.7
32.5°	591.9	569.8	557.5	545.2	530.5	518.2	503.4	486.3	471.5	454.3	454.3
35°	687.6	682.7	658.2	633.6	609.0	584.5	562.4	542.7	520.6	498.5	493.6
37.5°	736.7	731.8	704.8	680.3	653.3	626.2	604.1	579.6	557.5	532.9	530.5
40°	793.2	788.3	758.9	731.8	702.4	672.9	650.8	628.7	606.6	584.5	579.6
42.5°	852.2	849.7	822.7	793.2	766.2	736.7	714.6	690.1	668.0	643.4	636.1
45°	933.2	930.8	906.2	879.2	854.6	827.6	798.1	766.2	736.7	704.8	695.0
47.5°	1019.2	1014.3	987.2	962.7	935.7	908.7	874.3	842.4	808.0	773.6	768.7
50°	1122.3	1119.9	1095.3	1070.7	1043.7	1019.2	977.4	933.2	891.5	847.3	847.3
52.5°	1237.7	1235.3	1210.7	1186.2	1159.2	1134.6	1092.8	1048.6	1006.9	962.7	957.8
55°	1365.4	1365.4	1340.9	1316.3	1291.8	1267.2	1223.0	1178.8	1134.6	1090.4	1087.9
57.5°	1522.6	1522.6	1498.1	1473.5	1448.9	1424.4	1380.2	1338.4	1294.2	1250.0	1252.5
60°	1694.5	1699.4	1677.3	1655.2	1633.1	1611.0	1561.9	1512.8	1461.2	1412.1	1419.5
62.5°	1866.4	1873.8	1859.1	1841.9	1827.1	1809.9	1760.8	1709.3	1660.1	1608.6	1623.3
65°	2045.7	2058.0	2045.7	2035.9	2023.6	2011.3	1952.4	1893.4	1834.5	1775.6	1802.6
67.5°	2222.5	2234.8	2229.9	2225.0	2220.1	2215.2	2146.4	2080.1	2011.3	1942.6	1974.5
70°	2406.7	2419.0	2416.5	2414.1	2411.6	2409.2	2325.7	2242.2	2158.7	2075.2	2107.1
72.5°	2517.2	2529.5	2524.6	2517.2	2512.3	2504.9	2421.5	2335.5	2252.0	2166.0	2198.0
75°	2406.7	2426.4	2433.7	2443.6	2450.9	2458.3	2384.6	2308.5	2234.8	2158.7	2205.3
77.5°	1935.2	1954.8	1996.6	2035.9	2077.6	2116.9	2080.1	2045.7	2008.9	1972.0	2055.5
80°	1078.1	1127.2	1200.9	1277.0	1350.7	1424.4	1448.9	1476.0	1500.5	1525.1	1645.4
82.5°	297.2	321.7	388.0	456.8	523.1	589.4	665.5	741.7	815.3	891.5	1011.8
85°	83.5	95.8	105.6	115.4	125.2	135.1	159.6	184.2	206.3	230.8	292.2
87.5°	9.8	9.8	12.3	14.7	14.7	17.2	19.6	22.1	22.1	24.6	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



REPORT NUMBER: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	582.0	584.5	586.9	589.4	589.4	591.9	591.9	594.3	594.3	596.8	596.8
5°	503.4	503.4	503.4	505.9	508.4	510.8	513.3	525.5	535.4	547.7	557.5
7.5°	491.2	488.7	488.7	486.3	486.3	483.8	481.3	476.4	469.1	464.2	456.8
10°	417.5	417.5	417.5	410.1	405.2	397.8	390.5	388.0	383.1	380.7	375.7
12.5°	402.8	385.6	368.4	363.5	358.6	353.6	348.7	351.2	353.6	356.1	358.6
15°	336.4	329.1	319.3	316.8	314.3	309.4	307.0	307.0	309.4	309.4	309.4
17.5°	341.4	316.8	292.2	304.5	319.3	331.5	343.8	338.9	334.0	326.6	321.7
20°	365.9	365.9	363.5	356.1	346.3	338.9	329.1	321.7	316.8	309.4	302.1
22.5°	363.5	368.4	373.3	361.0	348.7	334.0	321.7	336.4	348.7	363.5	375.7
25°	388.0	365.9	346.3	356.1	365.9	375.7	385.6	373.3	361.0	348.7	336.4
27.5°	410.1	415.0	422.4	410.1	397.8	385.6	373.3	383.1	392.9	400.3	410.1
30°	422.4	412.6	400.3	405.2	412.6	417.5	422.4	434.7	447.0	456.8	469.1
32.5°	454.3	451.9	451.9	451.9	454.3	454.3	454.3	478.9	501.0	525.5	547.7
35°	491.2	486.3	481.3	486.3	491.2	496.1	501.0	520.6	537.8	557.5	574.7
37.5°	528.0	523.1	520.6	520.6	520.6	520.6	520.6	542.7	564.8	584.5	606.6
40°	574.7	567.3	562.4	559.9	557.5	552.6	550.1	577.1	604.1	631.1	658.2
42.5°	626.2	618.9	609.0	606.6	604.1	599.2	596.8	626.2	655.7	682.7	712.2
45°	687.6	677.8	668.0	665.5	660.6	658.2	653.3	682.7	712.2	741.7	771.1
47.5°	761.3	756.4	749.0	744.1	736.7	731.8	724.5	753.9	785.9	815.3	844.8
50°	844.8	844.8	842.4	832.5	822.7	812.9	803.1	832.5	862.0	891.5	920.9
52.5°	955.3	950.4	945.5	935.7	925.8	913.6	903.7	933.2	960.2	989.7	1016.7
55°	1087.9	1085.5	1083.0	1068.3	1053.6	1038.8	1024.1	1051.1	1080.6	1107.6	1134.6
57.5°	1252.5	1254.9	1254.9	1235.3	1215.6	1193.5	1173.9	1203.4	1232.8	1259.8	1289.3
60°	1429.3	1436.7	1444.0	1419.5	1394.9	1367.9	1343.3	1370.4	1394.9	1421.9	1446.5
62.5°	1638.0	1650.3	1665.1	1628.2	1591.4	1554.5	1517.7	1547.2	1576.6	1603.7	1633.1
65°	1832.1	1859.1	1886.1	1841.9	1797.7	1753.5	1709.3	1738.7	1770.7	1800.1	1829.6
67.5°	2006.4	2038.3	2070.3	2026.1	1979.4	1935.2	1888.5	1922.9	1957.3	1989.2	2023.6
70°	2139.0	2171.0	2202.9	2161.1	2119.4	2077.6	2035.9	2065.4	2094.8	2124.3	2153.8
72.5°	2232.4	2264.3	2296.2	2244.6	2193.1	2139.0	2087.5	2121.8	2156.2	2188.1	2222.5
75°	2252.0	2298.7	2345.3	2276.6	2205.3	2136.6	2065.4	2089.9	2114.5	2139.0	2163.6
77.5°	2139.0	2222.5	2306.0	2207.8	2107.1	2008.9	1908.2	1905.7	1900.8	1898.4	1893.4
80°	1765.7	1883.6	2004.0	1888.5	1775.6	1660.1	1544.7	1500.5	1456.3	1412.1	1367.9
82.5°	1132.1	1250.0	1370.4	1242.7	1114.9	984.8	857.1	756.4	658.2	557.5	456.8
85°	353.6	415.0	476.4	424.9	373.3	321.7	270.1	235.8	201.4	167.0	132.6
87.5°	22.1	19.6	17.2	19.6	19.6	22.1	22.1	19.6	19.6	17.2	14.7
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	596.8	596.8	594.3	594.3	594.3	596.8	596.8	596.8	596.8	596.8	596.8
5°	562.4	569.8	574.7	579.6	582.0	582.0	584.5	584.5	584.5	584.5	584.5
7.5°	466.6	478.9	488.7	498.5	501.0	503.4	503.4	505.9	505.9	503.4	505.9
10°	378.2	383.1	385.6	388.0	400.3	415.0	427.3	439.6	439.6	439.6	439.6
12.5°	351.2	343.8	334.0	326.6	338.9	351.2	363.5	375.7	375.7	375.7	375.7
15°	319.3	329.1	338.9	348.7	365.9	385.6	402.8	419.9	419.9	419.9	419.9
17.5°	324.2	324.2	326.6	326.6	336.4	343.8	353.6	361.0	363.5	363.5	363.5
20°	314.3	326.6	338.9	351.2	370.8	390.5	407.7	427.3	429.8	432.2	429.8
22.5°	368.4	361.0	351.2	343.8	343.8	343.8	341.4	341.4	343.8	343.8	343.8
25°	358.6	378.2	400.3	419.9	434.7	447.0	461.7	474.0	474.0	471.5	474.0
27.5°	422.4	434.7	447.0	459.2	481.3	501.0	523.1	542.7	547.7	550.1	547.7
30°	501.0	530.5	562.4	591.9	606.6	621.3	636.1	650.8	650.8	650.8	650.8
32.5°	564.8	582.0	599.2	616.4	631.1	648.3	663.1	677.8	677.8	677.8	677.8
35°	594.3	614.0	631.1	650.8	665.5	680.3	692.5	707.3	709.7	709.7	709.7
37.5°	631.1	653.3	677.8	699.9	712.2	722.0	734.3	744.1	746.6	749.0	746.6
40°	682.7	707.3	731.8	756.4	766.2	776.0	783.4	793.2	793.2	793.2	793.2
42.5°	739.2	763.8	790.8	815.3	825.2	835.0	844.8	854.6	857.1	859.5	857.1
45°	800.6	830.1	859.5	889.0	901.3	913.6	923.4	935.7	938.1	940.6	938.1
47.5°	881.6	916.0	952.9	987.2	997.1	1006.9	1016.7	1026.5	1026.5	1026.5	1026.5
50°	967.6	1011.8	1058.5	1102.7	1107.6	1114.9	1119.9	1124.8	1127.2	1127.2	1127.2
52.5°	1068.3	1119.9	1169.0	1220.5	1223.0	1227.9	1230.4	1232.8	1232.8	1230.4	1232.8
55°	1191.1	1245.1	1301.6	1355.6	1355.6	1358.1	1358.1	1358.1	1355.6	1350.7	1355.6
57.5°	1343.3	1397.4	1448.9	1503.0	1500.5	1498.1	1495.6	1493.1	1493.1	1490.7	1493.1
60°	1498.1	1552.1	1603.7	1655.2	1650.3	1643.0	1638.0	1630.7	1628.2	1623.3	1628.2
62.5°	1674.9	1719.1	1760.8	1802.6	1792.8	1782.9	1773.1	1763.3	1763.3	1763.3	1763.3
65°	1861.5	1895.9	1927.8	1959.8	1949.9	1942.6	1932.7	1922.9	1918.0	1913.1	1918.0
67.5°	2048.2	2072.7	2094.8	2119.4	2107.1	2094.8	2082.5	2070.3	2065.4	2058.0	2065.4
70°	2178.3	2202.9	2227.4	2252.0	2239.7	2227.4	2212.7	2200.4	2198.0	2195.5	2198.0
72.5°	2252.0	2281.5	2310.9	2340.4	2333.0	2323.2	2315.8	2306.0	2303.6	2298.7	2303.6
75°	2185.7	2210.2	2232.4	2254.5	2242.2	2229.9	2217.6	2205.3	2198.0	2188.1	2198.0
77.5°	1893.4	1895.9	1895.9	1895.9	1881.2	1866.4	1851.7	1837.0	1832.1	1824.7	1832.1
80°	1316.3	1264.8	1213.2	1161.6	1112.5	1063.4	1014.3	965.1	952.9	938.1	952.9
82.5°	415.0	370.8	329.1	284.9	265.2	243.1	223.5	201.4	194.0	184.2	194.0
85°	125.2	117.9	108.1	100.7	93.3	86.0	76.1	68.8	63.9	58.9	63.9
87.5°	12.3	12.3	9.8	7.4	7.4	7.4	7.4	7.4	7.4	4.9	7.4
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: P560991

CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	596.8	596.8	596.8	594.3	594.3	594.3	596.8	596.8	596.8	596.8	594.3
5°	584.5	584.5	582.0	582.0	579.6	574.7	569.8	562.4	557.5	547.7	535.4
7.5°	505.9	503.4	503.4	501.0	498.5	488.7	478.9	466.6	456.8	464.2	469.1
10°	439.6	427.3	415.0	400.3	388.0	385.6	383.1	378.2	375.7	380.7	383.1
12.5°	375.7	363.5	351.2	338.9	326.6	334.0	343.8	351.2	358.6	356.1	353.6
15°	419.9	402.8	385.6	365.9	348.7	338.9	329.1	319.3	309.4	309.4	309.4
17.5°	361.0	353.6	343.8	336.4	326.6	326.6	324.2	324.2	321.7	326.6	334.0
20°	427.3	407.7	390.5	370.8	351.2	338.9	326.6	314.3	302.1	309.4	316.8
22.5°	341.4	341.4	343.8	343.8	343.8	351.2	361.0	368.4	375.7	363.5	348.7
25°	474.0	461.7	447.0	434.7	419.9	400.3	378.2	358.6	336.4	348.7	361.0
27.5°	542.7	523.1	501.0	481.3	459.2	447.0	434.7	422.4	410.1	400.3	392.9
30°	650.8	636.1	621.3	606.6	591.9	562.4	530.5	501.0	469.1	456.8	447.0
32.5°	677.8	663.1	648.3	631.1	616.4	599.2	582.0	564.8	547.7	525.5	501.0
35°	707.3	692.5	680.3	665.5	650.8	631.1	614.0	594.3	574.7	557.5	537.8
37.5°	744.1	734.3	722.0	712.2	699.9	677.8	653.3	631.1	606.6	584.5	564.8
40°	793.2	783.4	776.0	766.2	756.4	731.8	707.3	682.7	658.2	631.1	604.1
42.5°	854.6	844.8	835.0	825.2	815.3	790.8	763.8	739.2	712.2	682.7	655.7
45°	935.7	923.4	913.6	901.3	889.0	859.5	830.1	800.6	771.1	741.7	712.2
47.5°	1026.5	1016.7	1006.9	997.1	987.2	952.9	916.0	881.6	844.8	815.3	785.9
50°	1124.8	1119.9	1114.9	1107.6	1102.7	1058.5	1011.8	967.6	920.9	891.5	862.0
52.5°	1232.8	1230.4	1227.9	1223.0	1220.5	1169.0	1119.9	1068.3	1016.7	989.7	960.2
55°	1358.1	1358.1	1358.1	1355.6	1355.6	1301.6	1245.1	1191.1	1134.6	1107.6	1080.6
57.5°	1493.1	1495.6	1498.1	1500.5	1503.0	1448.9	1397.4	1343.3	1289.3	1259.8	1232.8
60°	1630.7	1638.0	1643.0	1650.3	1655.2	1603.7	1552.1	1498.1	1446.5	1421.9	1394.9
62.5°	1763.3	1773.1	1782.9	1792.8	1802.6	1760.8	1719.1	1674.9	1633.1	1603.7	1576.6
65°	1922.9	1932.7	1942.6	1949.9	1959.8	1927.8	1895.9	1861.5	1829.6	1800.1	1770.7
67.5°	2070.3	2082.5	2094.8	2107.1	2119.4	2094.8	2072.7	2048.2	2023.6	1989.2	1957.3
70°	2200.4	2212.7	2227.4	2239.7	2252.0	2227.4	2202.9	2178.3	2153.8	2124.3	2094.8
72.5°	2306.0	2315.8	2323.2	2333.0	2340.4	2310.9	2281.5	2252.0	2222.5	2188.1	2156.2
75°	2205.3	2217.6	2229.9	2242.2	2254.5	2232.4	2210.2	2185.7	2163.6	2139.0	2114.5
77.5°	1837.0	1851.7	1866.4	1881.2	1895.9	1895.9	1895.9	1893.4	1893.4	1898.4	1900.8
80°	965.1	1014.3	1063.4	1112.5	1161.6	1213.2	1264.8	1316.3	1367.9	1412.1	1456.3
82.5°	201.4	223.5	243.1	265.2	284.9	329.1	370.8	415.0	456.8	557.5	658.2
85°	68.8	76.1	86.0	93.3	100.7	108.1	117.9	125.2	132.6	167.0	201.4
87.5°	7.4	7.4	7.4	7.4	7.4	9.8	12.3	12.3	14.7	17.2	19.6
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: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	594.3	591.9	591.9	589.4	589.4	586.9	584.5	582.0	579.6	577.1	574.7
5°	525.5	513.3	510.8	508.4	505.9	503.4	503.4	503.4	503.4	503.4	503.4
7.5°	476.4	481.3	483.8	486.3	486.3	488.7	488.7	491.2	491.2	491.2	488.7
10°	388.0	390.5	397.8	405.2	410.1	417.5	417.5	417.5	415.0	415.0	427.3
12.5°	351.2	348.7	353.6	358.6	363.5	368.4	385.6	402.8	417.5	434.7	444.5
15°	307.0	307.0	309.4	314.3	316.8	319.3	329.1	336.4	346.3	353.6	368.4
17.5°	338.9	343.8	331.5	319.3	304.5	292.2	316.8	341.4	365.9	390.5	402.8
20°	321.7	329.1	338.9	346.3	356.1	363.5	365.9	365.9	368.4	368.4	368.4
22.5°	336.4	321.7	334.0	348.7	361.0	373.3	368.4	363.5	358.6	353.6	375.7
25°	373.3	385.6	375.7	365.9	356.1	346.3	365.9	388.0	407.7	427.3	419.9
27.5°	383.1	373.3	385.6	397.8	410.1	422.4	415.0	410.1	402.8	395.4	410.1
30°	434.7	422.4	417.5	412.6	405.2	400.3	412.6	422.4	434.7	444.5	442.0
32.5°	478.9	454.3	454.3	454.3	451.9	451.9	451.9	454.3	454.3	454.3	471.5
35°	520.6	501.0	496.1	491.2	486.3	481.3	486.3	491.2	493.6	498.5	520.6
37.5°	542.7	520.6	520.6	520.6	520.6	520.6	523.1	528.0	530.5	532.9	557.5
40°	577.1	550.1	552.6	557.5	559.9	562.4	567.3	574.7	579.6	584.5	606.6
42.5°	626.2	596.8	599.2	604.1	606.6	609.0	618.9	626.2	636.1	643.4	668.0
45°	682.7	653.3	658.2	660.6	665.5	668.0	677.8	687.6	695.0	704.8	736.7
47.5°	753.9	724.5	731.8	736.7	744.1	749.0	756.4	761.3	768.7	773.6	808.0
50°	832.5	803.1	812.9	822.7	832.5	842.4	844.8	844.8	847.3	847.3	891.5
52.5°	933.2	903.7	913.6	925.8	935.7	945.5	950.4	955.3	957.8	962.7	1006.9
55°	1051.1	1024.1	1038.8	1053.6	1068.3	1083.0	1085.5	1087.9	1087.9	1090.4	1134.6
57.5°	1203.4	1173.9	1193.5	1215.6	1235.3	1254.9	1254.9	1252.5	1252.5	1250.0	1294.2
60°	1370.4	1343.3	1367.9	1394.9	1419.5	1444.0	1436.7	1429.3	1419.5	1412.1	1461.2
62.5°	1547.2	1517.7	1554.5	1591.4	1628.2	1665.1	1650.3	1638.0	1623.3	1608.6	1660.1
65°	1738.7	1709.3	1753.5	1797.7	1841.9	1886.1	1859.1	1832.1	1802.6	1775.6	1834.5
67.5°	1922.9	1888.5	1935.2	1979.4	2026.1	2070.3	2038.3	2006.4	1974.5	1942.6	2011.3
70°	2065.4	2035.9	2077.6	2119.4	2161.1	2202.9	2171.0	2139.0	2107.1	2075.2	2158.7
72.5°	2121.8	2087.5	2139.0	2193.1	2244.6	2296.2	2264.3	2232.4	2198.0	2166.0	2252.0
75°	2089.9	2065.4	2136.6	2205.3	2276.6	2345.3	2298.7	2252.0	2205.3	2158.7	2234.8
77.5°	1905.7	1908.2	2008.9	2107.1	2207.8	2306.0	2222.5	2139.0	2055.5	1972.0	2008.9
80°	1500.5	1544.7	1660.1	1775.6	1888.5	2004.0	1883.6	1765.7	1645.4	1525.1	1500.5
82.5°	756.4	857.1	984.8	1114.9	1242.7	1370.4	1250.0	1132.1	1011.8	891.5	815.3
85°	235.8	270.1	321.7	373.3	424.9	476.4	415.0	353.6	292.2	230.8	206.3
87.5°	19.6	22.1	22.1	19.6	19.6	17.2	19.6	22.1	22.1	24.6	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



REPORT NUMBER: P560991
 CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1	604.1
2.5°	572.2	567.3	564.8	557.5	550.1	542.7	535.4	535.4	537.8	537.8	537.8
5°	503.4	503.4	503.4	503.4	503.4	503.4	503.4	503.4	505.9	505.9	505.9
7.5°	486.3	483.8	481.3	478.9	478.9	476.4	474.0	466.6	456.8	449.4	439.6
10°	442.0	454.3	466.6	471.5	476.4	478.9	483.8	483.8	486.3	486.3	486.3
12.5°	456.8	466.6	476.4	474.0	471.5	469.1	466.6	456.8	444.5	434.7	422.4
15°	383.1	395.4	410.1	427.3	447.0	464.2	481.3	483.8	486.3	488.7	491.2
17.5°	417.5	429.8	442.0	447.0	454.3	459.2	464.2	454.3	442.0	432.2	419.9
20°	365.9	365.9	363.5	392.9	424.9	454.3	483.8	488.7	493.6	496.1	501.0
22.5°	395.4	417.5	437.1	434.7	432.2	429.8	427.3	427.3	427.3	424.9	424.9
25°	415.0	407.7	400.3	427.3	451.9	478.9	503.4	508.4	513.3	515.7	520.6
27.5°	427.3	442.0	456.8	451.9	447.0	439.6	434.7	437.1	442.0	444.5	447.0
30°	442.0	439.6	437.1	464.2	488.7	515.7	540.3	542.7	545.2	545.2	547.7
32.5°	486.3	503.4	518.2	530.5	545.2	557.5	569.8	591.9	616.4	638.5	660.6
35°	542.7	562.4	584.5	609.0	633.6	658.2	682.7	687.6	695.0	699.9	704.8
37.5°	579.6	604.1	626.2	653.3	680.3	704.8	731.8	736.7	739.2	744.1	746.6
40°	628.7	650.8	672.9	702.4	731.8	758.9	788.3	793.2	795.7	800.6	803.1
42.5°	690.1	714.6	736.7	766.2	793.2	822.7	849.7	852.2	857.1	859.5	862.0
45°	766.2	798.1	827.6	854.6	879.2	906.2	930.8	933.2	935.7	935.7	938.1
47.5°	842.4	874.3	908.7	935.7	962.7	987.2	1014.3	1019.2	1021.6	1026.5	1029.0
50°	933.2	977.4	1019.2	1043.7	1070.7	1095.3	1119.9	1122.3	1127.2	1129.7	1132.1
52.5°	1048.6	1092.8	1134.6	1159.2	1186.2	1210.7	1235.3	1237.7	1237.7	1240.2	1240.2
55°	1178.8	1223.0	1267.2	1291.8	1316.3	1340.9	1365.4	1365.4	1365.4	1363.0	1363.0
57.5°	1338.4	1380.2	1424.4	1448.9	1473.5	1498.1	1522.6	1522.6	1522.6	1522.6	1522.6
60°	1512.8	1561.9	1611.0	1633.1	1655.2	1677.3	1699.4	1694.5	1687.2	1682.2	1674.9
62.5°	1709.3	1760.8	1809.9	1827.1	1841.9	1859.1	1873.8	1866.4	1856.6	1849.2	1839.4
65°	1893.4	1952.4	2011.3	2023.6	2035.9	2045.7	2058.0	2045.7	2033.4	2018.7	2006.4
67.5°	2080.1	2146.4	2215.2	2220.1	2225.0	2229.9	2234.8	2222.5	2210.2	2195.5	2183.2
70°	2242.2	2325.7	2409.2	2411.6	2414.1	2416.5	2419.0	2406.7	2394.4	2379.7	2367.4
72.5°	2335.5	2421.5	2504.9	2512.3	2517.2	2524.6	2529.5	2517.2	2507.4	2495.1	2482.8
75°	2308.5	2384.6	2458.3	2450.9	2443.6	2433.7	2426.4	2406.7	2387.1	2365.0	2345.3
77.5°	2045.7	2080.1	2116.9	2077.6	2035.9	1996.6	1954.8	1935.2	1913.1	1893.4	1871.3
80°	1476.0	1448.9	1424.4	1350.7	1277.0	1200.9	1127.2	1078.1	1029.0	979.9	930.8
82.5°	741.7	665.5	589.4	523.1	456.8	388.0	321.7	297.2	270.1	245.6	218.6
85°	184.2	159.6	135.1	125.2	115.4	105.6	95.8	83.5	73.7	61.4	49.1
87.5°	22.1	19.6	17.2	14.7	14.7	12.3	9.8	9.8	9.8	7.4	7.4
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: P560991

CATALOG NUMBER: SDL-PA1-70-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	604.1	604.1
2.5°	537.8	535.4
5°	505.9	505.9
7.5°	437.1	432.2
10°	486.3	486.3
12.5°	424.9	427.3
15°	491.2	491.2
17.5°	419.9	417.5
20°	501.0	501.0
22.5°	424.9	424.9
25°	520.6	518.2
27.5°	447.0	447.0
30°	547.7	547.7
32.5°	663.1	665.5
35°	707.3	707.3
37.5°	749.0	749.0
40°	803.1	800.6
42.5°	864.5	864.5
45°	940.6	940.6
47.5°	1031.4	1033.9
50°	1132.1	1132.1
52.5°	1240.2	1237.7
55°	1363.0	1363.0
57.5°	1515.2	1505.4
60°	1672.4	1670.0
62.5°	1837.0	1832.1
65°	2004.0	1999.0
67.5°	2180.8	2175.9
70°	2367.4	2365.0
72.5°	2475.5	2468.1
75°	2340.4	2335.5
77.5°	1851.7	1829.6
80°	918.5	906.2
82.5°	218.6	218.6
85°	46.7	44.2
87.5°	7.4	7.4
90°	0.0	0.0

(END OF REPORT)