

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: P560815

Luminaire Tested: **SDL-PA1-60-830-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560815
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-PA1-60-830-U-5WQ
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6153.7 lumens
Efficiency: N/A
Efficacy: 98.6 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): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

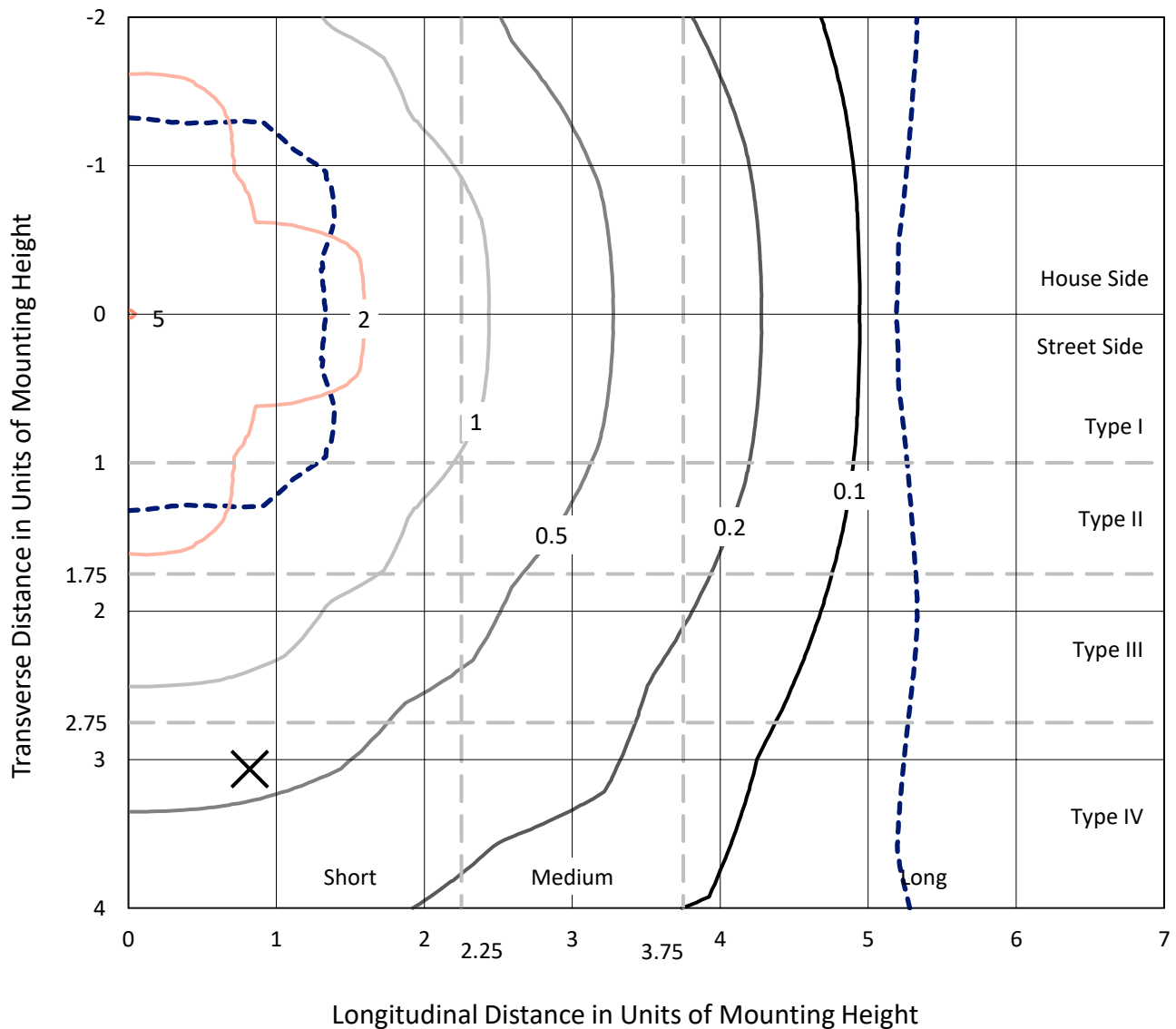


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

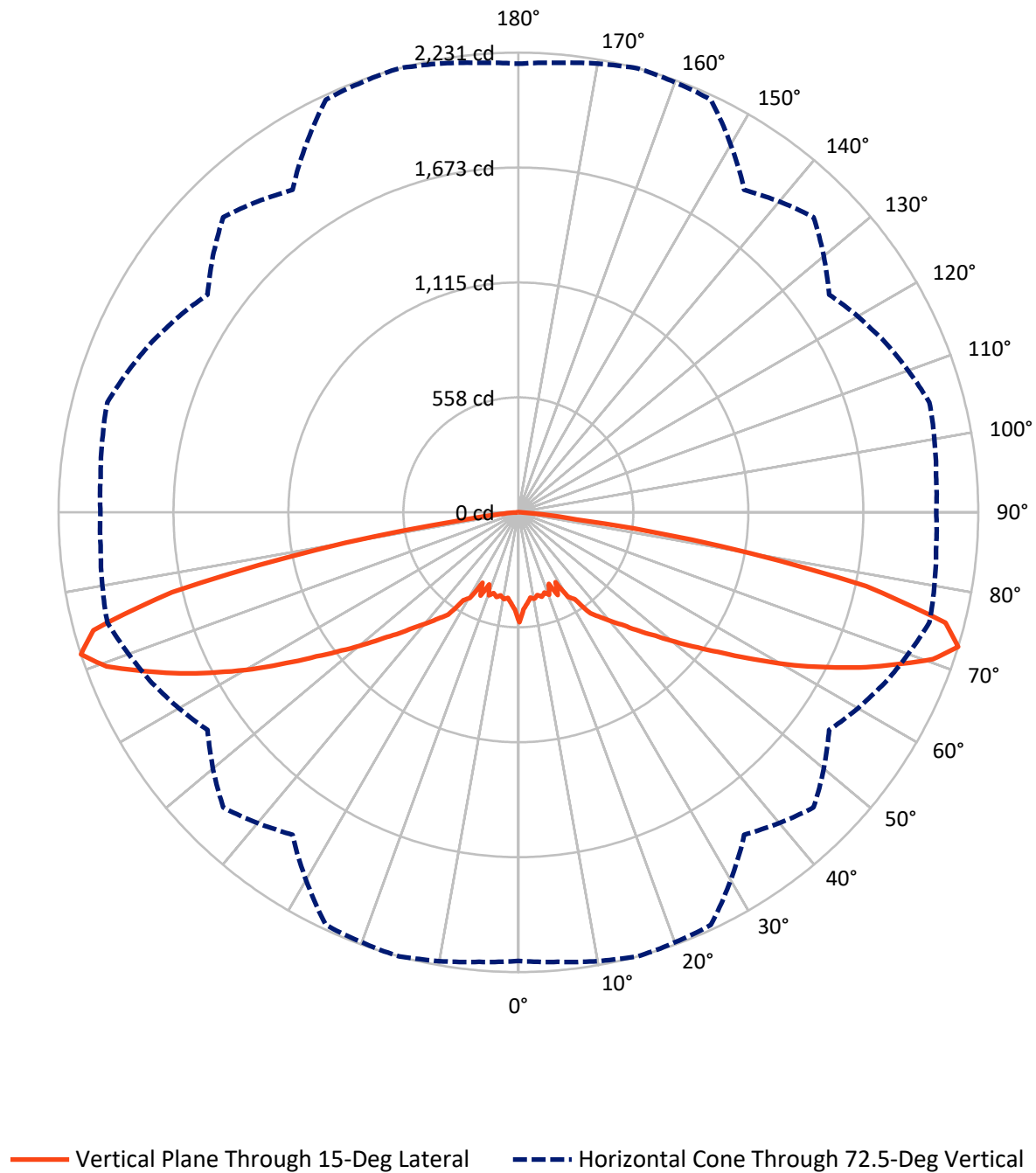


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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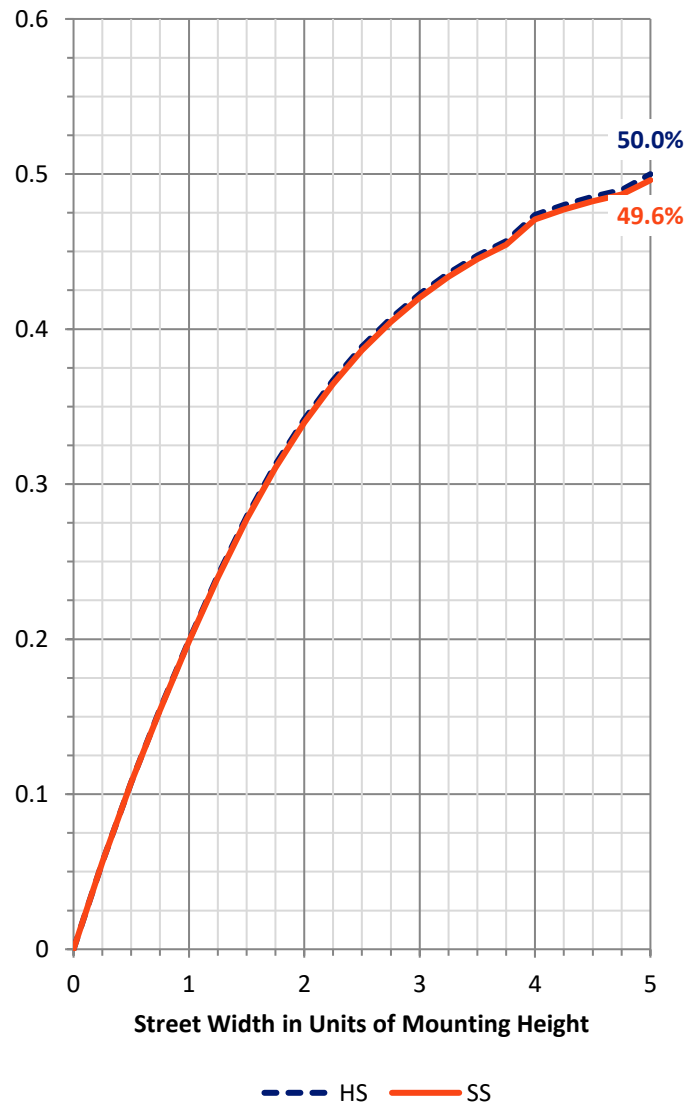
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3076.9	0.0	3076.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3076.9	0.0	3076.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6153.7	0.0	6153.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.7
10°-20°	97.1	1.6
20°-30°	173.3	2.8
30°-40°	331.6	5.4
40°-50°	564.7	9.2
50°-60°	988.5	16.1
60°-70°	1668.0	27.1
70°-80°	1945.5	31.6
80°-90°	343.2	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°	6153.7	100.0
0°-180°	6153.7	100.0

Coefficient of Utilization



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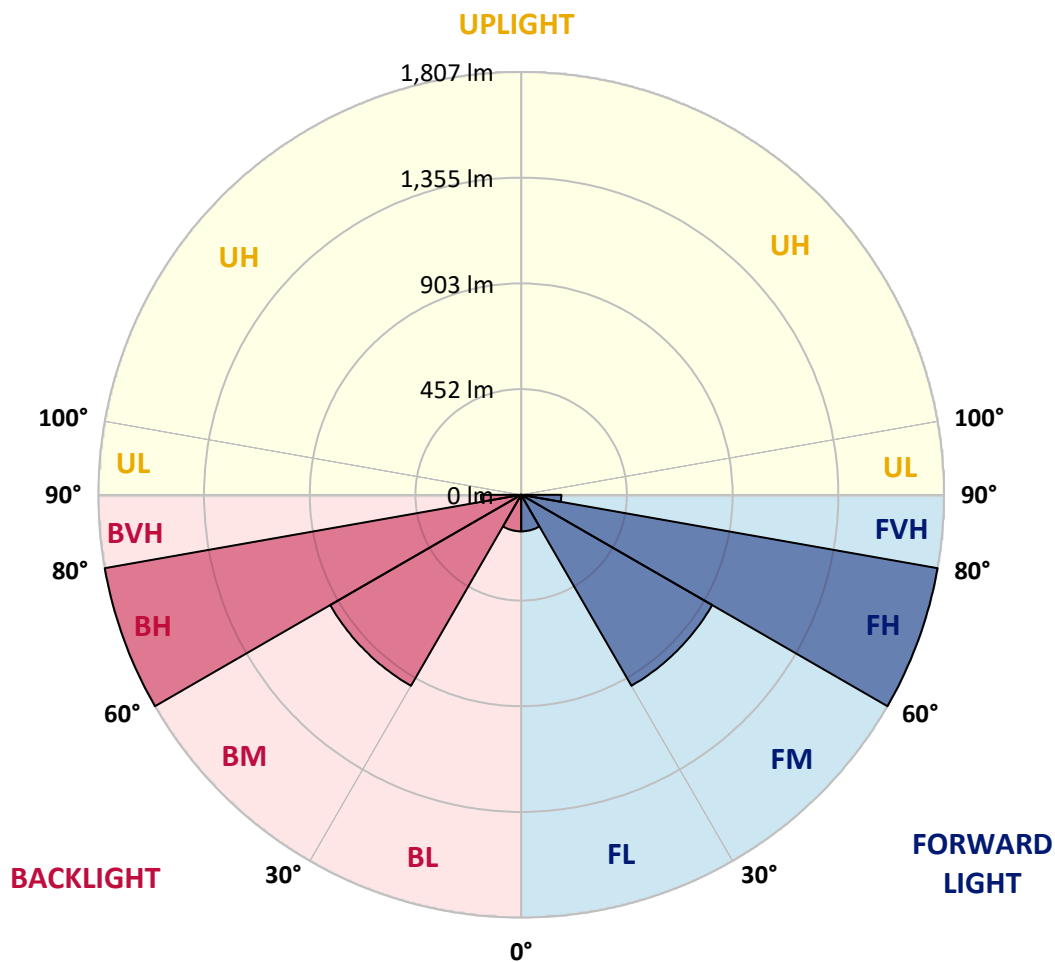
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.2	2.5			
FM	(30°-60°)	942.4	15.3			
FH	(60°-80°)	1806.7	29.4			G2/5000
FVH	(80°-90°)	171.6	2.8			G2/225
BL	(0°-30°)	156.2	2.5	B1/500		
BM	(30°-60°)	942.4	15.3	B1/1000		
BH	(60°-80°)	1806.7	29.4	B3/2500		G2/5000
BVH	(80°-90°)	171.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	472.1	474.3	474.3	474.3	474.3	472.1	472.1	478.6	485.1	491.6	498.1
5°	446.2	446.2	446.2	446.2	446.2	444.0	444.0	444.0	444.0	444.0	444.0
7.5°	381.2	385.5	387.7	396.3	402.8	411.5	418.0	420.2	422.3	422.3	424.5
10°	428.8	428.8	428.8	428.8	428.8	426.7	426.7	422.3	420.2	415.8	411.5
12.5°	376.9	374.7	372.5	383.3	392.0	402.8	411.5	413.7	415.8	418.0	420.2
15°	433.2	433.2	433.2	431.0	428.8	426.7	424.5	409.3	394.2	376.9	361.7
17.5°	368.2	370.4	370.4	381.2	389.8	400.7	409.3	405.0	400.7	394.2	389.8
20°	441.8	441.8	441.8	437.5	435.3	431.0	426.7	400.7	374.7	346.5	320.5
22.5°	374.7	374.7	374.7	374.7	376.9	376.9	376.9	379.0	381.2	383.3	385.5
25°	457.0	459.2	459.2	454.8	452.7	448.3	444.0	422.3	398.5	376.9	353.0
27.5°	394.2	394.2	394.2	392.0	389.8	385.5	383.3	387.7	394.2	398.5	402.8
30°	483.0	483.0	483.0	480.8	480.8	478.6	476.5	454.8	431.0	409.3	385.5
32.5°	586.9	584.8	582.6	563.1	543.6	522.0	502.5	491.6	480.8	467.8	457.0
35°	623.8	623.8	621.6	617.3	612.9	606.4	602.1	580.4	558.8	537.1	515.5
37.5°	660.6	660.6	658.4	656.2	651.9	649.7	645.4	621.6	599.9	576.1	552.3
40°	706.1	708.2	708.2	706.1	701.7	699.6	695.2	669.2	645.4	619.4	593.4
42.5°	762.4	762.4	760.2	758.0	755.9	751.5	749.4	725.5	699.6	675.7	649.7
45°	829.5	829.5	827.3	825.2	825.2	823.0	820.8	799.2	775.4	753.7	729.9
47.5°	911.8	909.6	907.5	905.3	901.0	898.8	894.5	870.7	849.0	825.2	801.3
50°	998.4	998.4	998.4	996.3	994.1	989.8	987.6	966.0	944.3	920.5	898.8
52.5°	1091.6	1093.7	1093.7	1093.7	1091.6	1091.6	1089.4	1067.7	1046.1	1022.3	1000.6
55°	1202.0	1202.0	1202.0	1202.0	1204.2	1204.2	1204.2	1182.5	1160.9	1139.2	1117.6
57.5°	1327.6	1336.3	1342.8	1342.8	1342.8	1342.8	1342.8	1321.1	1299.5	1277.8	1256.2
60°	1472.7	1474.9	1477.1	1483.6	1487.9	1494.4	1498.7	1479.2	1459.8	1440.3	1420.8
62.5°	1615.7	1620.0	1622.2	1630.9	1637.4	1646.0	1652.5	1639.5	1624.4	1611.4	1596.2
65°	1763.0	1767.3	1769.5	1780.3	1793.3	1804.1	1814.9	1804.1	1795.5	1784.6	1773.8
67.5°	1918.9	1923.2	1925.4	1936.2	1949.2	1960.1	1970.9	1966.6	1962.2	1957.9	1953.6
70°	2085.7	2087.8	2087.8	2098.7	2111.7	2122.5	2133.3	2131.2	2129.0	2126.8	2124.7
72.5°	2176.6	2183.1	2189.6	2200.5	2211.3	2220.0	2230.8	2226.5	2220.0	2215.6	2209.1
75°	2059.7	2064.0	2068.3	2085.7	2105.2	2122.5	2139.8	2146.3	2155.0	2161.5	2168.0
77.5°	1613.5	1633.0	1650.3	1669.8	1687.2	1706.7	1724.0	1760.8	1795.5	1832.3	1866.9
80°	799.2	810.0	820.8	864.2	907.5	950.8	994.1	1059.1	1126.2	1191.2	1256.2
82.5°	192.8	192.8	192.8	216.6	238.2	262.1	283.7	342.2	402.8	461.3	519.8
85°	39.0	41.2	43.3	54.1	65.0	73.6	84.5	93.1	101.8	110.5	119.1
87.5°	6.5	6.5	6.5	6.5	8.7	8.7	8.7	10.8	13.0	13.0	15.2
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°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	500.3	504.6	506.8	509.0	511.1	513.3	515.5	517.6	519.8	519.8	522.0
5°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	446.2	448.3	450.5
7.5°	426.7	428.8	431.0	433.2	433.2	433.2	431.0	431.0	428.8	428.8	426.7
10°	400.7	389.8	376.9	366.0	366.0	368.2	368.2	368.2	361.7	357.4	350.9
12.5°	411.5	402.8	392.0	383.3	368.2	355.2	340.0	324.9	320.5	316.2	311.9
15°	348.7	337.9	324.9	311.9	305.4	296.7	290.2	281.6	279.4	277.2	272.9
17.5°	379.0	368.2	355.2	344.4	322.7	301.0	279.4	257.7	268.6	281.6	292.4
20°	322.7	322.7	324.9	324.9	324.9	322.7	322.7	320.5	314.0	305.4	298.9
22.5°	368.2	348.7	331.4	311.9	316.2	320.5	324.9	329.2	318.4	307.5	294.5
25°	359.5	366.0	370.4	376.9	359.5	342.2	322.7	305.4	314.0	322.7	331.4
27.5°	389.8	376.9	361.7	348.7	355.2	361.7	366.0	372.5	361.7	350.9	340.0
30°	387.7	389.8	389.8	392.0	383.3	372.5	363.9	353.0	357.4	363.9	368.2
32.5°	444.0	428.8	415.8	400.7	400.7	400.7	398.5	398.5	398.5	400.7	400.7
35°	496.0	478.6	459.2	439.7	435.3	433.2	428.8	424.5	428.8	433.2	437.5
37.5°	532.8	511.1	491.6	470.0	467.8	465.6	461.3	459.2	459.2	459.2	459.2
40°	573.9	554.4	535.0	515.5	511.1	506.8	500.3	496.0	493.8	491.6	487.3
42.5°	630.3	608.6	589.1	567.4	560.9	552.3	545.8	537.1	535.0	532.8	528.5
45°	703.9	675.7	649.7	621.6	612.9	606.4	597.8	589.1	586.9	582.6	580.4
47.5°	771.0	742.9	712.6	682.2	677.9	671.4	667.1	660.6	656.2	649.7	645.4
50°	862.0	823.0	786.2	747.2	747.2	745.0	745.0	742.9	734.2	725.5	716.9
52.5°	963.8	924.8	888.0	849.0	844.7	842.5	838.2	833.8	825.2	816.5	805.7
55°	1078.6	1039.6	1000.6	961.6	959.5	959.5	957.3	955.1	942.1	929.1	916.1
57.5°	1217.2	1180.4	1141.4	1102.4	1104.6	1104.6	1106.7	1106.7	1089.4	1072.1	1052.6
60°	1377.5	1334.1	1288.7	1245.3	1251.8	1260.5	1267.0	1273.5	1251.8	1230.2	1206.4
62.5°	1552.9	1507.4	1464.1	1418.6	1431.6	1444.6	1455.4	1468.4	1435.9	1403.4	1371.0
65°	1721.8	1669.8	1617.9	1565.9	1589.7	1615.7	1639.5	1663.3	1624.4	1585.4	1546.4
67.5°	1892.9	1834.4	1773.8	1713.2	1741.3	1769.5	1797.6	1825.8	1786.8	1745.6	1706.7
70°	2051.0	1977.4	1903.7	1830.1	1858.3	1886.4	1914.6	1942.7	1905.9	1869.1	1832.3
72.5°	2135.5	2059.7	1986.0	1910.2	1938.4	1968.7	1996.9	2025.0	1979.5	1934.1	1886.4
75°	2103.0	2035.9	1970.9	1903.7	1944.9	1986.0	2027.2	2068.3	2007.7	1944.9	1884.3
77.5°	1834.4	1804.1	1771.6	1739.1	1812.8	1886.4	1960.1	2033.7	1947.1	1858.3	1771.6
80°	1277.8	1301.7	1323.3	1345.0	1451.1	1557.2	1661.2	1767.3	1665.5	1565.9	1464.1
82.5°	586.9	654.1	719.0	786.2	892.3	998.4	1102.4	1208.5	1095.9	983.3	868.5
85°	140.8	162.4	181.9	203.6	257.7	311.9	366.0	420.2	374.7	329.2	283.7
87.5°	17.3	19.5	19.5	21.7	19.5	19.5	17.3	15.2	17.3	17.3	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	522.0	524.1	524.1	526.3	526.3	526.3	526.3	524.1	524.1	524.1	526.3
5°	452.7	463.5	472.1	483.0	491.6	496.0	502.5	506.8	511.1	513.3	513.3
7.5°	424.5	420.2	413.7	409.3	402.8	411.5	422.3	431.0	439.7	441.8	444.0
10°	344.4	342.2	337.9	335.7	331.4	333.5	337.9	340.0	342.2	353.0	366.0
12.5°	307.5	309.7	311.9	314.0	316.2	309.7	303.2	294.5	288.1	298.9	309.7
15°	270.7	270.7	272.9	272.9	272.9	281.6	290.2	298.9	307.5	322.7	340.0
17.5°	303.2	298.9	294.5	288.1	283.7	285.9	285.9	288.1	288.1	296.7	303.2
20°	290.2	283.7	279.4	272.9	266.4	277.2	288.1	298.9	309.7	327.0	344.4
22.5°	283.7	296.7	307.5	320.5	331.4	324.9	318.4	309.7	303.2	303.2	303.2
25°	340.0	329.2	318.4	307.5	296.7	316.2	333.5	353.0	370.4	383.3	394.2
27.5°	329.2	337.9	346.5	353.0	361.7	372.5	383.3	394.2	405.0	424.5	441.8
30°	372.5	383.3	394.2	402.8	413.7	441.8	467.8	496.0	522.0	535.0	547.9
32.5°	400.7	422.3	441.8	463.5	483.0	498.1	513.3	528.5	543.6	556.6	571.8
35°	441.8	459.2	474.3	491.6	506.8	524.1	541.5	556.6	573.9	586.9	599.9
37.5°	459.2	478.6	498.1	515.5	535.0	556.6	576.1	597.8	617.3	628.1	636.7
40°	485.1	509.0	532.8	556.6	580.4	602.1	623.8	645.4	667.1	675.7	684.4
42.5°	526.3	552.3	578.3	602.1	628.1	651.9	673.6	697.4	719.0	727.7	736.4
45°	576.1	602.1	628.1	654.1	680.1	706.1	732.0	758.0	784.0	794.9	805.7
47.5°	638.9	664.9	693.1	719.0	745.0	777.5	807.8	840.3	870.7	879.3	888.0
50°	708.2	734.2	760.2	786.2	812.2	853.3	892.3	933.5	972.4	976.8	983.3
52.5°	797.0	823.0	846.8	872.8	896.6	942.1	987.6	1030.9	1076.4	1078.6	1082.9
55°	903.1	927.0	953.0	976.8	1000.6	1050.4	1098.1	1147.9	1195.5	1195.5	1197.7
57.5°	1035.3	1061.2	1087.2	1111.1	1137.0	1184.7	1232.3	1277.8	1325.5	1323.3	1321.1
60°	1184.7	1208.5	1230.2	1254.0	1275.7	1321.1	1368.8	1414.3	1459.8	1455.4	1448.9
62.5°	1338.5	1364.5	1390.4	1414.3	1440.3	1477.1	1516.1	1552.9	1589.7	1581.0	1572.4
65°	1507.4	1533.4	1561.5	1587.5	1613.5	1641.7	1672.0	1700.2	1728.3	1719.7	1713.2
67.5°	1665.5	1695.8	1726.1	1754.3	1784.6	1806.3	1827.9	1847.4	1869.1	1858.3	1847.4
70°	1795.5	1821.4	1847.4	1873.4	1899.4	1921.1	1942.7	1964.4	1986.0	1975.2	1964.4
72.5°	1840.9	1871.3	1901.6	1929.7	1960.1	1986.0	2012.0	2038.0	2064.0	2057.5	2048.9
75°	1821.4	1843.1	1864.8	1886.4	1908.1	1927.6	1949.2	1968.7	1988.2	1977.4	1966.6
77.5°	1682.8	1680.7	1676.3	1674.2	1669.8	1669.8	1672.0	1672.0	1672.0	1659.0	1646.0
80°	1362.3	1323.3	1284.3	1245.3	1206.4	1160.9	1115.4	1069.9	1024.4	981.1	937.8
82.5°	755.9	667.1	580.4	491.6	402.8	366.0	327.0	290.2	251.2	233.9	214.4
85°	238.2	207.9	177.6	147.3	117.0	110.5	104.0	95.3	88.8	82.3	75.8
87.5°	19.5	17.3	17.3	15.2	13.0	10.8	10.8	8.7	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	526.3	526.3	526.3	526.3	526.3	526.3	526.3	526.3	524.1	524.1	524.1
5°	515.5	515.5	515.5	515.5	515.5	515.5	515.5	513.3	513.3	511.1	506.8
7.5°	444.0	446.2	446.2	444.0	446.2	446.2	444.0	444.0	441.8	439.7	431.0
10°	376.9	387.7	387.7	387.7	387.7	387.7	376.9	366.0	353.0	342.2	340.0
12.5°	320.5	331.4	331.4	331.4	331.4	331.4	320.5	309.7	298.9	288.1	294.5
15°	355.2	370.4	370.4	370.4	370.4	370.4	355.2	340.0	322.7	307.5	298.9
17.5°	311.9	318.4	320.5	320.5	320.5	318.4	311.9	303.2	296.7	288.1	288.1
20°	359.5	376.9	379.0	381.2	379.0	376.9	359.5	344.4	327.0	309.7	298.9
22.5°	301.0	301.0	303.2	303.2	303.2	301.0	301.0	303.2	303.2	303.2	309.7
25°	407.2	418.0	418.0	415.8	418.0	418.0	407.2	394.2	383.3	370.4	353.0
27.5°	461.3	478.6	483.0	485.1	483.0	478.6	461.3	441.8	424.5	405.0	394.2
30°	560.9	573.9	573.9	573.9	573.9	573.9	560.9	547.9	535.0	522.0	496.0
32.5°	584.8	597.8	597.8	597.8	597.8	597.8	584.8	571.8	556.6	543.6	528.5
35°	610.8	623.8	625.9	625.9	625.9	623.8	610.8	599.9	586.9	573.9	556.6
37.5°	647.6	656.2	658.4	660.6	658.4	656.2	647.6	636.7	628.1	617.3	597.8
40°	690.9	699.6	699.6	699.6	699.6	699.6	690.9	684.4	675.7	667.1	645.4
42.5°	745.0	753.7	755.9	758.0	755.9	753.7	745.0	736.4	727.7	719.0	697.4
45°	814.3	825.2	827.3	829.5	827.3	825.2	814.3	805.7	794.9	784.0	758.0
47.5°	896.6	905.3	905.3	905.3	905.3	905.3	896.6	888.0	879.3	870.7	840.3
50°	987.6	991.9	994.1	994.1	994.1	991.9	987.6	983.3	976.8	972.4	933.5
52.5°	1085.1	1087.2	1087.2	1085.1	1087.2	1087.2	1085.1	1082.9	1078.6	1076.4	1030.9
55°	1197.7	1197.7	1195.5	1191.2	1195.5	1197.7	1197.7	1197.7	1195.5	1195.5	1147.9
57.5°	1319.0	1316.8	1316.8	1314.6	1316.8	1316.8	1319.0	1321.1	1323.3	1325.5	1277.8
60°	1444.6	1438.1	1435.9	1431.6	1435.9	1438.1	1444.6	1448.9	1455.4	1459.8	1414.3
62.5°	1563.7	1555.1	1555.1	1555.1	1555.1	1555.1	1563.7	1572.4	1581.0	1589.7	1552.9
65°	1704.5	1695.8	1691.5	1687.2	1691.5	1695.8	1704.5	1713.2	1719.7	1728.3	1700.2
67.5°	1836.6	1825.8	1821.4	1814.9	1821.4	1825.8	1836.6	1847.4	1858.3	1869.1	1847.4
70°	1951.4	1940.6	1938.4	1936.2	1938.4	1940.6	1951.4	1964.4	1975.2	1986.0	1964.4
72.5°	2042.4	2033.7	2031.5	2027.2	2031.5	2033.7	2042.4	2048.9	2057.5	2064.0	2038.0
75°	1955.7	1944.9	1938.4	1929.7	1938.4	1944.9	1955.7	1966.6	1977.4	1988.2	1968.7
77.5°	1633.0	1620.0	1615.7	1609.2	1615.7	1620.0	1633.0	1646.0	1659.0	1672.0	1672.0
80°	894.5	851.2	840.3	827.3	840.3	851.2	894.5	937.8	981.1	1024.4	1069.9
82.5°	197.1	177.6	171.1	162.4	171.1	177.6	197.1	214.4	233.9	251.2	290.2
85°	67.1	60.6	56.3	52.0	56.3	60.6	67.1	75.8	82.3	88.8	95.3
87.5°	6.5	6.5	6.5	4.3	6.5	6.5	6.5	6.5	6.5	6.5	8.7
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	526.3	526.3	526.3	526.3	524.1	524.1	522.0	522.0	519.8	519.8	517.6
5°	502.5	496.0	491.6	483.0	472.1	463.5	452.7	450.5	448.3	446.2	444.0
7.5°	422.3	411.5	402.8	409.3	413.7	420.2	424.5	426.7	428.8	428.8	431.0
10°	337.9	333.5	331.4	335.7	337.9	342.2	344.4	350.9	357.4	361.7	368.2
12.5°	303.2	309.7	316.2	314.0	311.9	309.7	307.5	311.9	316.2	320.5	324.9
15°	290.2	281.6	272.9	272.9	272.9	270.7	270.7	272.9	277.2	279.4	281.6
17.5°	285.9	285.9	283.7	288.1	294.5	298.9	303.2	292.4	281.6	268.6	257.7
20°	288.1	277.2	266.4	272.9	279.4	283.7	290.2	298.9	305.4	314.0	320.5
22.5°	318.4	324.9	331.4	320.5	307.5	296.7	283.7	294.5	307.5	318.4	329.2
25°	333.5	316.2	296.7	307.5	318.4	329.2	340.0	331.4	322.7	314.0	305.4
27.5°	383.3	372.5	361.7	353.0	346.5	337.9	329.2	340.0	350.9	361.7	372.5
30°	467.8	441.8	413.7	402.8	394.2	383.3	372.5	368.2	363.9	357.4	353.0
32.5°	513.3	498.1	483.0	463.5	441.8	422.3	400.7	400.7	400.7	398.5	398.5
35°	541.5	524.1	506.8	491.6	474.3	459.2	441.8	437.5	433.2	428.8	424.5
37.5°	576.1	556.6	535.0	515.5	498.1	478.6	459.2	459.2	459.2	459.2	459.2
40°	623.8	602.1	580.4	556.6	532.8	509.0	485.1	487.3	491.6	493.8	496.0
42.5°	673.6	651.9	628.1	602.1	578.3	552.3	526.3	528.5	532.8	535.0	537.1
45°	732.0	706.1	680.1	654.1	628.1	602.1	576.1	580.4	582.6	586.9	589.1
47.5°	807.8	777.5	745.0	719.0	693.1	664.9	638.9	645.4	649.7	656.2	660.6
50°	892.3	853.3	812.2	786.2	760.2	734.2	708.2	716.9	725.5	734.2	742.9
52.5°	987.6	942.1	896.6	872.8	846.8	823.0	797.0	805.7	816.5	825.2	833.8
55°	1098.1	1050.4	1000.6	976.8	953.0	927.0	903.1	916.1	929.1	942.1	955.1
57.5°	1232.3	1184.7	1137.0	1111.1	1087.2	1061.2	1035.3	1052.6	1072.1	1089.4	1106.7
60°	1368.8	1321.1	1275.7	1254.0	1230.2	1208.5	1184.7	1206.4	1230.2	1251.8	1273.5
62.5°	1516.1	1477.1	1440.3	1414.3	1390.4	1364.5	1338.5	1371.0	1403.4	1435.9	1468.4
65°	1672.0	1641.7	1613.5	1587.5	1561.5	1533.4	1507.4	1546.4	1585.4	1624.4	1663.3
67.5°	1827.9	1806.3	1784.6	1754.3	1726.1	1695.8	1665.5	1706.7	1745.6	1786.8	1825.8
70°	1942.7	1921.1	1899.4	1873.4	1847.4	1821.4	1795.5	1832.3	1869.1	1905.9	1942.7
72.5°	2012.0	1986.0	1960.1	1929.7	1901.6	1871.3	1840.9	1886.4	1934.1	1979.5	2025.0
75°	1949.2	1927.6	1908.1	1886.4	1864.8	1843.1	1821.4	1884.3	1944.9	2007.7	2068.3
77.5°	1672.0	1669.8	1669.8	1674.2	1676.3	1680.7	1682.8	1771.6	1858.3	1947.1	2033.7
80°	1115.4	1160.9	1206.4	1245.3	1284.3	1323.3	1362.3	1464.1	1565.9	1665.5	1767.3
82.5°	327.0	366.0	402.8	491.6	580.4	667.1	755.9	868.5	983.3	1095.9	1208.5
85°	104.0	110.5	117.0	147.3	177.6	207.9	238.2	283.7	329.2	374.7	420.2
87.5°	10.8	10.8	13.0	15.2	17.3	17.3	19.5	19.5	17.3	17.3	15.2
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	515.5	513.3	511.1	509.0	506.8	504.6	500.3	498.1	491.6	485.1	478.6
5°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
7.5°	431.0	433.2	433.2	433.2	431.0	428.8	426.7	424.5	422.3	422.3	420.2
10°	368.2	368.2	366.0	366.0	376.9	389.8	400.7	411.5	415.8	420.2	422.3
12.5°	340.0	355.2	368.2	383.3	392.0	402.8	411.5	420.2	418.0	415.8	413.7
15°	290.2	296.7	305.4	311.9	324.9	337.9	348.7	361.7	376.9	394.2	409.3
17.5°	279.4	301.0	322.7	344.4	355.2	368.2	379.0	389.8	394.2	400.7	405.0
20°	322.7	322.7	324.9	324.9	324.9	322.7	322.7	320.5	346.5	374.7	400.7
22.5°	324.9	320.5	316.2	311.9	331.4	348.7	368.2	385.5	383.3	381.2	379.0
25°	322.7	342.2	359.5	376.9	370.4	366.0	359.5	353.0	376.9	398.5	422.3
27.5°	366.0	361.7	355.2	348.7	361.7	376.9	389.8	402.8	398.5	394.2	387.7
30°	363.9	372.5	383.3	392.0	389.8	389.8	387.7	385.5	409.3	431.0	454.8
32.5°	398.5	400.7	400.7	400.7	415.8	428.8	444.0	457.0	467.8	480.8	491.6
35°	428.8	433.2	435.3	439.7	459.2	478.6	496.0	515.5	537.1	558.8	580.4
37.5°	461.3	465.6	467.8	470.0	491.6	511.1	532.8	552.3	576.1	599.9	621.6
40°	500.3	506.8	511.1	515.5	535.0	554.4	573.9	593.4	619.4	645.4	669.2
42.5°	545.8	552.3	560.9	567.4	589.1	608.6	630.3	649.7	675.7	699.6	725.5
45°	597.8	606.4	612.9	621.6	649.7	675.7	703.9	729.9	753.7	775.4	799.2
47.5°	667.1	671.4	677.9	682.2	712.6	742.9	771.0	801.3	825.2	849.0	870.7
50°	745.0	745.0	747.2	747.2	786.2	823.0	862.0	898.8	920.5	944.3	966.0
52.5°	838.2	842.5	844.7	849.0	888.0	924.8	963.8	1000.6	1022.3	1046.1	1067.7
55°	957.3	959.5	959.5	961.6	1000.6	1039.6	1078.6	1117.6	1139.2	1160.9	1182.5
57.5°	1106.7	1104.6	1104.6	1102.4	1141.4	1180.4	1217.2	1256.2	1277.8	1299.5	1321.1
60°	1267.0	1260.5	1251.8	1245.3	1288.7	1334.1	1377.5	1420.8	1440.3	1459.8	1479.2
62.5°	1455.4	1444.6	1431.6	1418.6	1464.1	1507.4	1552.9	1596.2	1611.4	1624.4	1639.5
65°	1639.5	1615.7	1589.7	1565.9	1617.9	1669.8	1721.8	1773.8	1784.6	1795.5	1804.1
67.5°	1797.6	1769.5	1741.3	1713.2	1773.8	1834.4	1892.9	1953.6	1957.9	1962.2	1966.6
70°	1914.6	1886.4	1858.3	1830.1	1903.7	1977.4	2051.0	2124.7	2126.8	2129.0	2131.2
72.5°	1996.9	1968.7	1938.4	1910.2	1986.0	2059.7	2135.5	2209.1	2215.6	2220.0	2226.5
75°	2027.2	1986.0	1944.9	1903.7	1970.9	2035.9	2103.0	2168.0	2161.5	2155.0	2146.3
77.5°	1960.1	1886.4	1812.8	1739.1	1771.6	1804.1	1834.4	1866.9	1832.3	1795.5	1760.8
80°	1661.2	1557.2	1451.1	1345.0	1323.3	1301.7	1277.8	1256.2	1191.2	1126.2	1059.1
82.5°	1102.4	998.4	892.3	786.2	719.0	654.1	586.9	519.8	461.3	402.8	342.2
85°	366.0	311.9	257.7	203.6	181.9	162.4	140.8	119.1	110.5	101.8	93.1
87.5°	17.3	19.5	19.5	21.7	19.5	19.5	17.3	15.2	13.0	13.0	10.8
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	472.1	472.1	474.3	474.3	474.3	474.3	472.1	474.3	474.3	474.3	474.3
5°	444.0	444.0	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2	446.2
7.5°	418.0	411.5	402.8	396.3	387.7	385.5	381.2	385.5	387.7	396.3	402.8
10°	426.7	426.7	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
12.5°	411.5	402.8	392.0	383.3	372.5	374.7	376.9	374.7	372.5	383.3	392.0
15°	424.5	426.7	428.8	431.0	433.2	433.2	433.2	433.2	433.2	431.0	428.8
17.5°	409.3	400.7	389.8	381.2	370.4	370.4	368.2	370.4	370.4	381.2	389.8
20°	426.7	431.0	435.3	437.5	441.8	441.8	441.8	441.8	441.8	437.5	435.3
22.5°	376.9	376.9	376.9	374.7	374.7	374.7	374.7	374.7	374.7	374.7	376.9
25°	444.0	448.3	452.7	454.8	459.2	459.2	457.0	459.2	459.2	454.8	452.7
27.5°	383.3	385.5	389.8	392.0	394.2	394.2	394.2	394.2	394.2	392.0	389.8
30°	476.5	478.6	480.8	480.8	483.0	483.0	483.0	483.0	483.0	480.8	480.8
32.5°	502.5	522.0	543.6	563.1	582.6	584.8	586.9	584.8	582.6	563.1	543.6
35°	602.1	606.4	612.9	617.3	621.6	623.8	623.8	623.8	621.6	617.3	612.9
37.5°	645.4	649.7	651.9	656.2	658.4	660.6	660.6	660.6	658.4	656.2	651.9
40°	695.2	699.6	701.7	706.1	708.2	708.2	706.1	708.2	708.2	706.1	701.7
42.5°	749.4	751.5	755.9	758.0	760.2	762.4	762.4	762.4	760.2	758.0	755.9
45°	820.8	823.0	825.2	825.2	827.3	829.5	829.5	829.5	827.3	825.2	825.2
47.5°	894.5	898.8	901.0	905.3	907.5	909.6	911.8	909.6	907.5	905.3	901.0
50°	987.6	989.8	994.1	996.3	998.4	998.4	998.4	998.4	998.4	996.3	994.1
52.5°	1089.4	1091.6	1091.6	1093.7	1093.7	1093.7	1091.6	1093.7	1093.7	1093.7	1091.6
55°	1204.2	1204.2	1204.2	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1204.2
57.5°	1342.8	1342.8	1342.8	1342.8	1342.8	1336.3	1327.6	1336.3	1342.8	1342.8	1342.8
60°	1498.7	1494.4	1487.9	1483.6	1477.1	1474.9	1472.7	1474.9	1477.1	1483.6	1487.9
62.5°	1652.5	1646.0	1637.4	1630.9	1622.2	1620.0	1615.7	1620.0	1622.2	1630.9	1637.4
65°	1814.9	1804.1	1793.3	1780.3	1769.5	1767.3	1763.0	1767.3	1769.5	1780.3	1793.3
67.5°	1970.9	1960.1	1949.2	1936.2	1925.4	1923.2	1918.9	1923.2	1925.4	1936.2	1949.2
70°	2133.3	2122.5	2111.7	2098.7	2087.8	2087.8	2085.7	2087.8	2087.8	2098.7	2111.7
72.5°	2230.8	2220.0	2211.3	2200.5	2189.6	2183.1	2176.6	2183.1	2189.6	2200.5	2211.3
75°	2139.8	2122.5	2105.2	2085.7	2068.3	2064.0	2059.7	2064.0	2068.3	2085.7	2105.2
77.5°	1724.0	1706.7	1687.2	1669.8	1650.3	1633.0	1613.5	1633.0	1650.3	1669.8	1687.2
80°	994.1	950.8	907.5	864.2	820.8	810.0	799.2	810.0	820.8	864.2	907.5
82.5°	283.7	262.1	238.2	216.6	192.8	192.8	192.8	192.8	192.8	216.6	238.2
85°	84.5	73.6	65.0	54.1	43.3	41.2	39.0	41.2	43.3	54.1	65.0
87.5°	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.7
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	472.1	472.1	478.6	485.1	491.6	498.1	500.3	504.6	506.8	509.0	511.1
5°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
7.5°	411.5	418.0	420.2	422.3	422.3	424.5	426.7	428.8	431.0	433.2	433.2
10°	426.7	426.7	422.3	420.2	415.8	411.5	400.7	389.8	376.9	366.0	366.0
12.5°	402.8	411.5	413.7	415.8	418.0	420.2	411.5	402.8	392.0	383.3	368.2
15°	426.7	424.5	409.3	394.2	376.9	361.7	348.7	337.9	324.9	311.9	305.4
17.5°	400.7	409.3	405.0	400.7	394.2	389.8	379.0	368.2	355.2	344.4	322.7
20°	431.0	426.7	400.7	374.7	346.5	320.5	322.7	322.7	324.9	324.9	324.9
22.5°	376.9	376.9	379.0	381.2	383.3	385.5	368.2	348.7	331.4	311.9	316.2
25°	448.3	444.0	422.3	398.5	376.9	353.0	359.5	366.0	370.4	376.9	359.5
27.5°	385.5	383.3	387.7	394.2	398.5	402.8	389.8	376.9	361.7	348.7	355.2
30°	478.6	476.5	454.8	431.0	409.3	385.5	387.7	389.8	389.8	392.0	383.3
32.5°	522.0	502.5	491.6	480.8	467.8	457.0	444.0	428.8	415.8	400.7	400.7
35°	606.4	602.1	580.4	558.8	537.1	515.5	496.0	478.6	459.2	439.7	435.3
37.5°	649.7	645.4	621.6	599.9	576.1	552.3	532.8	511.1	491.6	470.0	467.8
40°	699.6	695.2	669.2	645.4	619.4	593.4	573.9	554.4	535.0	515.5	511.1
42.5°	751.5	749.4	725.5	699.6	675.7	649.7	630.3	608.6	589.1	567.4	560.9
45°	823.0	820.8	799.2	775.4	753.7	729.9	703.9	675.7	649.7	621.6	612.9
47.5°	898.8	894.5	870.7	849.0	825.2	801.3	771.0	742.9	712.6	682.2	677.9
50°	989.8	987.6	966.0	944.3	920.5	898.8	862.0	823.0	786.2	747.2	747.2
52.5°	1091.6	1089.4	1067.7	1046.1	1022.3	1000.6	963.8	924.8	888.0	849.0	844.7
55°	1204.2	1204.2	1182.5	1160.9	1139.2	1117.6	1078.6	1039.6	1000.6	961.6	959.5
57.5°	1342.8	1342.8	1321.1	1299.5	1277.8	1256.2	1217.2	1180.4	1141.4	1102.4	1104.6
60°	1494.4	1498.7	1479.2	1459.8	1440.3	1420.8	1377.5	1334.1	1288.7	1245.3	1251.8
62.5°	1646.0	1652.5	1639.5	1624.4	1611.4	1596.2	1552.9	1507.4	1464.1	1418.6	1431.6
65°	1804.1	1814.9	1804.1	1795.5	1784.6	1773.8	1721.8	1669.8	1617.9	1565.9	1589.7
67.5°	1960.1	1970.9	1966.6	1962.2	1957.9	1953.6	1892.9	1834.4	1773.8	1713.2	1741.3
70°	2122.5	2133.3	2131.2	2129.0	2126.8	2124.7	2051.0	1977.4	1903.7	1830.1	1858.3
72.5°	2220.0	2230.8	2226.5	2220.0	2215.6	2209.1	2135.5	2059.7	1986.0	1910.2	1938.4
75°	2122.5	2139.8	2146.3	2155.0	2161.5	2168.0	2103.0	2035.9	1970.9	1903.7	1944.9
77.5°	1706.7	1724.0	1760.8	1795.5	1832.3	1866.9	1834.4	1804.1	1771.6	1739.1	1812.8
80°	950.8	994.1	1059.1	1126.2	1191.2	1256.2	1277.8	1301.7	1323.3	1345.0	1451.1
82.5°	262.1	283.7	342.2	402.8	461.3	519.8	586.9	654.1	719.0	786.2	892.3
85°	73.6	84.5	93.1	101.8	110.5	119.1	140.8	162.4	181.9	203.6	257.7
87.5°	8.7	8.7	10.8	13.0	13.0	15.2	17.3	19.5	19.5	21.7	19.5
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	513.3	515.5	517.6	519.8	519.8	522.0	522.0	524.1	524.1	526.3	526.3
5°	444.0	444.0	444.0	446.2	448.3	450.5	452.7	463.5	472.1	483.0	491.6
7.5°	433.2	431.0	431.0	428.8	428.8	426.7	424.5	420.2	413.7	409.3	402.8
10°	368.2	368.2	368.2	361.7	357.4	350.9	344.4	342.2	337.9	335.7	331.4
12.5°	355.2	340.0	324.9	320.5	316.2	311.9	307.5	309.7	311.9	314.0	316.2
15°	296.7	290.2	281.6	279.4	277.2	272.9	270.7	270.7	272.9	272.9	272.9
17.5°	301.0	279.4	257.7	268.6	281.6	292.4	303.2	298.9	294.5	288.1	283.7
20°	322.7	322.7	320.5	314.0	305.4	298.9	290.2	283.7	279.4	272.9	266.4
22.5°	320.5	324.9	329.2	318.4	307.5	294.5	283.7	296.7	307.5	320.5	331.4
25°	342.2	322.7	305.4	314.0	322.7	331.4	340.0	329.2	318.4	307.5	296.7
27.5°	361.7	366.0	372.5	361.7	350.9	340.0	329.2	337.9	346.5	353.0	361.7
30°	372.5	363.9	353.0	357.4	363.9	368.2	372.5	383.3	394.2	402.8	413.7
32.5°	400.7	398.5	398.5	398.5	400.7	400.7	400.7	422.3	441.8	463.5	483.0
35°	433.2	428.8	424.5	428.8	433.2	437.5	441.8	459.2	474.3	491.6	506.8
37.5°	465.6	461.3	459.2	459.2	459.2	459.2	459.2	478.6	498.1	515.5	535.0
40°	506.8	500.3	496.0	493.8	491.6	487.3	485.1	509.0	532.8	556.6	580.4
42.5°	552.3	545.8	537.1	535.0	532.8	528.5	526.3	552.3	578.3	602.1	628.1
45°	606.4	597.8	589.1	586.9	582.6	580.4	576.1	602.1	628.1	654.1	680.1
47.5°	671.4	667.1	660.6	656.2	649.7	645.4	638.9	664.9	693.1	719.0	745.0
50°	745.0	745.0	742.9	734.2	725.5	716.9	708.2	734.2	760.2	786.2	812.2
52.5°	842.5	838.2	833.8	825.2	816.5	805.7	797.0	823.0	846.8	872.8	896.6
55°	959.5	957.3	955.1	942.1	929.1	916.1	903.1	927.0	953.0	976.8	1000.6
57.5°	1104.6	1106.7	1106.7	1089.4	1072.1	1052.6	1035.3	1061.2	1087.2	1111.1	1137.0
60°	1260.5	1267.0	1273.5	1251.8	1230.2	1206.4	1184.7	1208.5	1230.2	1254.0	1275.7
62.5°	1444.6	1455.4	1468.4	1435.9	1403.4	1371.0	1338.5	1364.5	1390.4	1414.3	1440.3
65°	1615.7	1639.5	1663.3	1624.4	1585.4	1546.4	1507.4	1533.4	1561.5	1587.5	1613.5
67.5°	1769.5	1797.6	1825.8	1786.8	1745.6	1706.7	1665.5	1695.8	1726.1	1754.3	1784.6
70°	1886.4	1914.6	1942.7	1905.9	1869.1	1832.3	1795.5	1821.4	1847.4	1873.4	1899.4
72.5°	1968.7	1996.9	2025.0	1979.5	1934.1	1886.4	1840.9	1871.3	1901.6	1929.7	1960.1
75°	1986.0	2027.2	2068.3	2007.7	1944.9	1884.3	1821.4	1843.1	1864.8	1886.4	1908.1
77.5°	1886.4	1960.1	2033.7	1947.1	1858.3	1771.6	1682.8	1680.7	1676.3	1674.2	1669.8
80°	1557.2	1661.2	1767.3	1665.5	1565.9	1464.1	1362.3	1323.3	1284.3	1245.3	1206.4
82.5°	998.4	1102.4	1208.5	1095.9	983.3	868.5	755.9	667.1	580.4	491.6	402.8
85°	311.9	366.0	420.2	374.7	329.2	283.7	238.2	207.9	177.6	147.3	117.0
87.5°	19.5	17.3	15.2	17.3	17.3	19.5	19.5	17.3	17.3	15.2	13.0
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	526.3	526.3	524.1	524.1	524.1	526.3	526.3	526.3	526.3	526.3	526.3
5°	496.0	502.5	506.8	511.1	513.3	513.3	515.5	515.5	515.5	515.5	515.5
7.5°	411.5	422.3	431.0	439.7	441.8	444.0	444.0	446.2	446.2	444.0	446.2
10°	333.5	337.9	340.0	342.2	353.0	366.0	376.9	387.7	387.7	387.7	387.7
12.5°	309.7	303.2	294.5	288.1	298.9	309.7	320.5	331.4	331.4	331.4	331.4
15°	281.6	290.2	298.9	307.5	322.7	340.0	355.2	370.4	370.4	370.4	370.4
17.5°	285.9	285.9	288.1	288.1	296.7	303.2	311.9	318.4	320.5	320.5	320.5
20°	277.2	288.1	298.9	309.7	327.0	344.4	359.5	376.9	379.0	381.2	379.0
22.5°	324.9	318.4	309.7	303.2	303.2	303.2	301.0	301.0	303.2	303.2	303.2
25°	316.2	333.5	353.0	370.4	383.3	394.2	407.2	418.0	418.0	415.8	418.0
27.5°	372.5	383.3	394.2	405.0	424.5	441.8	461.3	478.6	483.0	485.1	483.0
30°	441.8	467.8	496.0	522.0	535.0	547.9	560.9	573.9	573.9	573.9	573.9
32.5°	498.1	513.3	528.5	543.6	556.6	571.8	584.8	597.8	597.8	597.8	597.8
35°	524.1	541.5	556.6	573.9	586.9	599.9	610.8	623.8	625.9	625.9	625.9
37.5°	556.6	576.1	597.8	617.3	628.1	636.7	647.6	656.2	658.4	660.6	658.4
40°	602.1	623.8	645.4	667.1	675.7	684.4	690.9	699.6	699.6	699.6	699.6
42.5°	651.9	673.6	697.4	719.0	727.7	736.4	745.0	753.7	755.9	758.0	755.9
45°	706.1	732.0	758.0	784.0	794.9	805.7	814.3	825.2	827.3	829.5	827.3
47.5°	777.5	807.8	840.3	870.7	879.3	888.0	896.6	905.3	905.3	905.3	905.3
50°	853.3	892.3	933.5	972.4	976.8	983.3	987.6	991.9	994.1	994.1	994.1
52.5°	942.1	987.6	1030.9	1076.4	1078.6	1082.9	1085.1	1087.2	1087.2	1085.1	1087.2
55°	1050.4	1098.1	1147.9	1195.5	1195.5	1197.7	1197.7	1197.7	1195.5	1191.2	1195.5
57.5°	1184.7	1232.3	1277.8	1325.5	1323.3	1321.1	1319.0	1316.8	1316.8	1314.6	1316.8
60°	1321.1	1368.8	1414.3	1459.8	1455.4	1448.9	1444.6	1438.1	1435.9	1431.6	1435.9
62.5°	1477.1	1516.1	1552.9	1589.7	1581.0	1572.4	1563.7	1555.1	1555.1	1555.1	1555.1
65°	1641.7	1672.0	1700.2	1728.3	1719.7	1713.2	1704.5	1695.8	1691.5	1687.2	1691.5
67.5°	1806.3	1827.9	1847.4	1869.1	1858.3	1847.4	1836.6	1825.8	1821.4	1814.9	1821.4
70°	1921.1	1942.7	1964.4	1986.0	1975.2	1964.4	1951.4	1940.6	1938.4	1936.2	1938.4
72.5°	1986.0	2012.0	2038.0	2064.0	2057.5	2048.9	2042.4	2033.7	2031.5	2027.2	2031.5
75°	1927.6	1949.2	1968.7	1988.2	1977.4	1966.6	1955.7	1944.9	1938.4	1929.7	1938.4
77.5°	1669.8	1672.0	1672.0	1672.0	1659.0	1646.0	1633.0	1620.0	1615.7	1609.2	1615.7
80°	1160.9	1115.4	1069.9	1024.4	981.1	937.8	894.5	851.2	840.3	827.3	840.3
82.5°	366.0	327.0	290.2	251.2	233.9	214.4	197.1	177.6	171.1	162.4	171.1
85°	110.5	104.0	95.3	88.8	82.3	75.8	67.1	60.6	56.3	52.0	56.3
87.5°	10.8	10.8	8.7	6.5	6.5	6.5	6.5	6.5	6.5	4.3	6.5
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	526.3	526.3	526.3	524.1	524.1	524.1	526.3	526.3	526.3	526.3	524.1
5°	515.5	515.5	513.3	513.3	511.1	506.8	502.5	496.0	491.6	483.0	472.1
7.5°	446.2	444.0	444.0	441.8	439.7	431.0	422.3	411.5	402.8	409.3	413.7
10°	387.7	376.9	366.0	353.0	342.2	340.0	337.9	333.5	331.4	335.7	337.9
12.5°	331.4	320.5	309.7	298.9	288.1	294.5	303.2	309.7	316.2	314.0	311.9
15°	370.4	355.2	340.0	322.7	307.5	298.9	290.2	281.6	272.9	272.9	272.9
17.5°	318.4	311.9	303.2	296.7	288.1	288.1	285.9	285.9	283.7	288.1	294.5
20°	376.9	359.5	344.4	327.0	309.7	298.9	288.1	277.2	266.4	272.9	279.4
22.5°	301.0	301.0	303.2	303.2	303.2	309.7	318.4	324.9	331.4	320.5	307.5
25°	418.0	407.2	394.2	383.3	370.4	353.0	333.5	316.2	296.7	307.5	318.4
27.5°	478.6	461.3	441.8	424.5	405.0	394.2	383.3	372.5	361.7	353.0	346.5
30°	573.9	560.9	547.9	535.0	522.0	496.0	467.8	441.8	413.7	402.8	394.2
32.5°	597.8	584.8	571.8	556.6	543.6	528.5	513.3	498.1	483.0	463.5	441.8
35°	623.8	610.8	599.9	586.9	573.9	556.6	541.5	524.1	506.8	491.6	474.3
37.5°	656.2	647.6	636.7	628.1	617.3	597.8	576.1	556.6	535.0	515.5	498.1
40°	699.6	690.9	684.4	675.7	667.1	645.4	623.8	602.1	580.4	556.6	532.8
42.5°	753.7	745.0	736.4	727.7	719.0	697.4	673.6	651.9	628.1	602.1	578.3
45°	825.2	814.3	805.7	794.9	784.0	758.0	732.0	706.1	680.1	654.1	628.1
47.5°	905.3	896.6	888.0	879.3	870.7	840.3	807.8	777.5	745.0	719.0	693.1
50°	991.9	987.6	983.3	976.8	972.4	933.5	892.3	853.3	812.2	786.2	760.2
52.5°	1087.2	1085.1	1082.9	1078.6	1076.4	1030.9	987.6	942.1	896.6	872.8	846.8
55°	1197.7	1197.7	1197.7	1195.5	1195.5	1147.9	1098.1	1050.4	1000.6	976.8	953.0
57.5°	1316.8	1319.0	1321.1	1323.3	1325.5	1277.8	1232.3	1184.7	1137.0	1111.1	1087.2
60°	1438.1	1444.6	1448.9	1455.4	1459.8	1414.3	1368.8	1321.1	1275.7	1254.0	1230.2
62.5°	1555.1	1563.7	1572.4	1581.0	1589.7	1552.9	1516.1	1477.1	1440.3	1414.3	1390.4
65°	1695.8	1704.5	1713.2	1719.7	1728.3	1700.2	1672.0	1641.7	1613.5	1587.5	1561.5
67.5°	1825.8	1836.6	1847.4	1858.3	1869.1	1847.4	1827.9	1806.3	1784.6	1754.3	1726.1
70°	1940.6	1951.4	1964.4	1975.2	1986.0	1964.4	1942.7	1921.1	1899.4	1873.4	1847.4
72.5°	2033.7	2042.4	2048.9	2057.5	2064.0	2038.0	2012.0	1986.0	1960.1	1929.7	1901.6
75°	1944.9	1955.7	1966.6	1977.4	1988.2	1968.7	1949.2	1927.6	1908.1	1886.4	1864.8
77.5°	1620.0	1633.0	1646.0	1659.0	1672.0	1672.0	1672.0	1669.8	1669.8	1674.2	1676.3
80°	851.2	894.5	937.8	981.1	1024.4	1069.9	1115.4	1160.9	1206.4	1245.3	1284.3
82.5°	177.6	197.1	214.4	233.9	251.2	290.2	327.0	366.0	402.8	491.6	580.4
85°	60.6	67.1	75.8	82.3	88.8	95.3	104.0	110.5	117.0	147.3	177.6
87.5°	6.5	6.5	6.5	6.5	6.5	8.7	10.8	10.8	13.0	15.2	17.3
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: P560815

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	524.1	522.0	522.0	519.8	519.8	517.6	515.5	513.3	511.1	509.0	506.8
5°	463.5	452.7	450.5	448.3	446.2	444.0	444.0	444.0	444.0	444.0	444.0
7.5°	420.2	424.5	426.7	428.8	428.8	431.0	431.0	433.2	433.2	433.2	431.0
10°	342.2	344.4	350.9	357.4	361.7	368.2	368.2	368.2	366.0	366.0	376.9
12.5°	309.7	307.5	311.9	316.2	320.5	324.9	340.0	355.2	368.2	383.3	392.0
15°	270.7	270.7	272.9	277.2	279.4	281.6	290.2	296.7	305.4	311.9	324.9
17.5°	298.9	303.2	292.4	281.6	268.6	257.7	279.4	301.0	322.7	344.4	355.2
20°	283.7	290.2	298.9	305.4	314.0	320.5	322.7	322.7	324.9	324.9	324.9
22.5°	296.7	283.7	294.5	307.5	318.4	329.2	324.9	320.5	316.2	311.9	331.4
25°	329.2	340.0	331.4	322.7	314.0	305.4	322.7	342.2	359.5	376.9	370.4
27.5°	337.9	329.2	340.0	350.9	361.7	372.5	366.0	361.7	355.2	348.7	361.7
30°	383.3	372.5	368.2	363.9	357.4	353.0	363.9	372.5	383.3	392.0	389.8
32.5°	422.3	400.7	400.7	400.7	398.5	398.5	398.5	400.7	400.7	400.7	415.8
35°	459.2	441.8	437.5	433.2	428.8	424.5	428.8	433.2	435.3	439.7	459.2
37.5°	478.6	459.2	459.2	459.2	459.2	459.2	461.3	465.6	467.8	470.0	491.6
40°	509.0	485.1	487.3	491.6	493.8	496.0	500.3	506.8	511.1	515.5	535.0
42.5°	552.3	526.3	528.5	532.8	535.0	537.1	545.8	552.3	560.9	567.4	589.1
45°	602.1	576.1	580.4	582.6	586.9	589.1	597.8	606.4	612.9	621.6	649.7
47.5°	664.9	638.9	645.4	649.7	656.2	660.6	667.1	671.4	677.9	682.2	712.6
50°	734.2	708.2	716.9	725.5	734.2	742.9	745.0	745.0	747.2	747.2	786.2
52.5°	823.0	797.0	805.7	816.5	825.2	833.8	838.2	842.5	844.7	849.0	888.0
55°	927.0	903.1	916.1	929.1	942.1	955.1	957.3	959.5	959.5	961.6	1000.6
57.5°	1061.2	1035.3	1052.6	1072.1	1089.4	1106.7	1106.7	1104.6	1104.6	1102.4	1141.4
60°	1208.5	1184.7	1206.4	1230.2	1251.8	1273.5	1267.0	1260.5	1251.8	1245.3	1288.7
62.5°	1364.5	1338.5	1371.0	1403.4	1435.9	1468.4	1455.4	1444.6	1431.6	1418.6	1464.1
65°	1533.4	1507.4	1546.4	1585.4	1624.4	1663.3	1639.5	1615.7	1589.7	1565.9	1617.9
67.5°	1695.8	1665.5	1706.7	1745.6	1786.8	1825.8	1797.6	1769.5	1741.3	1713.2	1773.8
70°	1821.4	1795.5	1832.3	1869.1	1905.9	1942.7	1914.6	1886.4	1858.3	1830.1	1903.7
72.5°	1871.3	1840.9	1886.4	1934.1	1979.5	2025.0	1996.9	1968.7	1938.4	1910.2	1986.0
75°	1843.1	1821.4	1884.3	1944.9	2007.7	2068.3	2027.2	1986.0	1944.9	1903.7	1970.9
77.5°	1680.7	1682.8	1771.6	1858.3	1947.1	2033.7	1960.1	1886.4	1812.8	1739.1	1771.6
80°	1323.3	1362.3	1464.1	1565.9	1665.5	1767.3	1661.2	1557.2	1451.1	1345.0	1323.3
82.5°	667.1	755.9	868.5	983.3	1095.9	1208.5	1102.4	998.4	892.3	786.2	719.0
85°	207.9	238.2	283.7	329.2	374.7	420.2	366.0	311.9	257.7	203.6	181.9
87.5°	17.3	19.5	19.5	17.3	17.3	15.2	17.3	19.5	19.5	21.7	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8	532.8
2.5°	504.6	500.3	498.1	491.6	485.1	478.6	472.1	472.1	474.3	474.3	474.3
5°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	446.2	446.2	446.2
7.5°	428.8	426.7	424.5	422.3	422.3	420.2	418.0	411.5	402.8	396.3	387.7
10°	389.8	400.7	411.5	415.8	420.2	422.3	426.7	426.7	428.8	428.8	428.8
12.5°	402.8	411.5	420.2	418.0	415.8	413.7	411.5	402.8	392.0	383.3	372.5
15°	337.9	348.7	361.7	376.9	394.2	409.3	424.5	426.7	428.8	431.0	433.2
17.5°	368.2	379.0	389.8	394.2	400.7	405.0	409.3	400.7	389.8	381.2	370.4
20°	322.7	322.7	320.5	346.5	374.7	400.7	426.7	431.0	435.3	437.5	441.8
22.5°	348.7	368.2	385.5	383.3	381.2	379.0	376.9	376.9	376.9	374.7	374.7
25°	366.0	359.5	353.0	376.9	398.5	422.3	444.0	448.3	452.7	454.8	459.2
27.5°	376.9	389.8	402.8	398.5	394.2	387.7	383.3	385.5	389.8	392.0	394.2
30°	389.8	387.7	385.5	409.3	431.0	454.8	476.5	478.6	480.8	480.8	483.0
32.5°	428.8	444.0	457.0	467.8	480.8	491.6	502.5	522.0	543.6	563.1	582.6
35°	478.6	496.0	515.5	537.1	558.8	580.4	602.1	606.4	612.9	617.3	621.6
37.5°	511.1	532.8	552.3	576.1	599.9	621.6	645.4	649.7	651.9	656.2	658.4
40°	554.4	573.9	593.4	619.4	645.4	669.2	695.2	699.6	701.7	706.1	708.2
42.5°	608.6	630.3	649.7	675.7	699.6	725.5	749.4	751.5	755.9	758.0	760.2
45°	675.7	703.9	729.9	753.7	775.4	799.2	820.8	823.0	825.2	825.2	827.3
47.5°	742.9	771.0	801.3	825.2	849.0	870.7	894.5	898.8	901.0	905.3	907.5
50°	823.0	862.0	898.8	920.5	944.3	966.0	987.6	989.8	994.1	996.3	998.4
52.5°	924.8	963.8	1000.6	1022.3	1046.1	1067.7	1089.4	1091.6	1091.6	1093.7	1093.7
55°	1039.6	1078.6	1117.6	1139.2	1160.9	1182.5	1204.2	1204.2	1204.2	1202.0	1202.0
57.5°	1180.4	1217.2	1256.2	1277.8	1299.5	1321.1	1342.8	1342.8	1342.8	1342.8	1342.8
60°	1334.1	1377.5	1420.8	1440.3	1459.8	1479.2	1498.7	1494.4	1487.9	1483.6	1477.1
62.5°	1507.4	1552.9	1596.2	1611.4	1624.4	1639.5	1652.5	1646.0	1637.4	1630.9	1622.2
65°	1669.8	1721.8	1773.8	1784.6	1795.5	1804.1	1814.9	1804.1	1793.3	1780.3	1769.5
67.5°	1834.4	1892.9	1953.6	1957.9	1962.2	1966.6	1970.9	1960.1	1949.2	1936.2	1925.4
70°	1977.4	2051.0	2124.7	2126.8	2129.0	2131.2	2133.3	2122.5	2111.7	2098.7	2087.8
72.5°	2059.7	2135.5	2209.1	2215.6	2220.0	2226.5	2230.8	2220.0	2211.3	2200.5	2189.6
75°	2035.9	2103.0	2168.0	2161.5	2155.0	2146.3	2139.8	2122.5	2105.2	2085.7	2068.3
77.5°	1804.1	1834.4	1866.9	1832.3	1795.5	1760.8	1724.0	1706.7	1687.2	1669.8	1650.3
80°	1301.7	1277.8	1256.2	1191.2	1126.2	1059.1	994.1	950.8	907.5	864.2	820.8
82.5°	654.1	586.9	519.8	461.3	402.8	342.2	283.7	262.1	238.2	216.6	192.8
85°	162.4	140.8	119.1	110.5	101.8	93.1	84.5	73.6	65.0	54.1	43.3
87.5°	19.5	17.3	15.2	13.0	13.0	10.8	8.7	8.7	8.7	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	532.8	532.8
2.5°	474.3	472.1
5°	446.2	446.2
7.5°	385.5	381.2
10°	428.8	428.8
12.5°	374.7	376.9
15°	433.2	433.2
17.5°	370.4	368.2
20°	441.8	441.8
22.5°	374.7	374.7
25°	459.2	457.0
27.5°	394.2	394.2
30°	483.0	483.0
32.5°	584.8	586.9
35°	623.8	623.8
37.5°	660.6	660.6
40°	708.2	706.1
42.5°	762.4	762.4
45°	829.5	829.5
47.5°	909.6	911.8
50°	998.4	998.4
52.5°	1093.7	1091.6
55°	1202.0	1202.0
57.5°	1336.3	1327.6
60°	1474.9	1472.7
62.5°	1620.0	1615.7
65°	1767.3	1763.0
67.5°	1923.2	1918.9
70°	2087.8	2085.7
72.5°	2183.1	2176.6
75°	2064.0	2059.7
77.5°	1633.0	1613.5
80°	810.0	799.2
82.5°	192.8	192.8
85°	41.2	39.0
87.5°	6.5	6.5
90°	0.0	0.0

(END OF REPORT)