

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: NEO-RAY

Report Number: P331447

Luminaire Tested: **SA2XXDIP-C1005D925U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331447  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

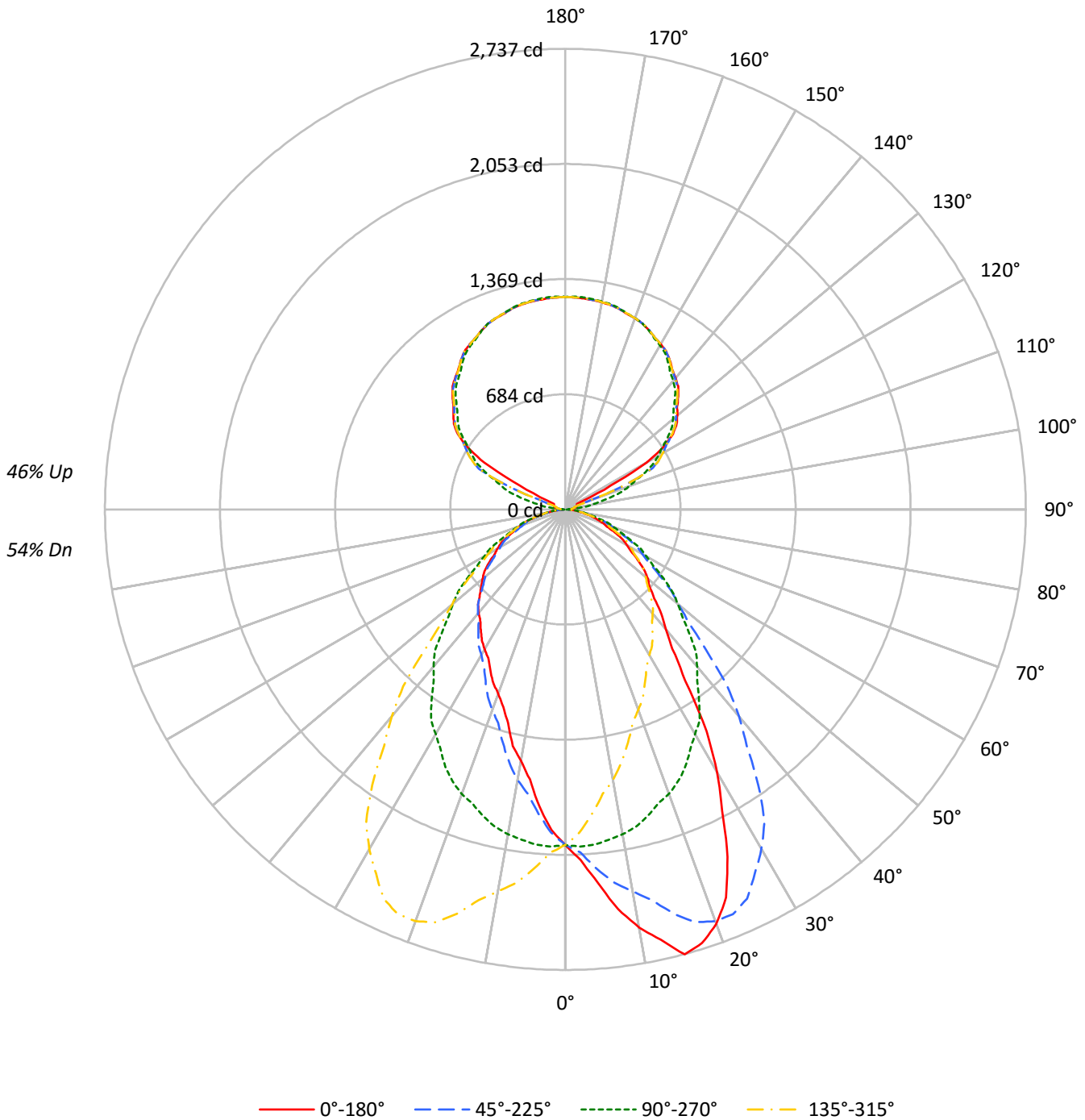
Lumens per Lamp: N/A  
Luminaire Lumens: 8101.2 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 66.8  
Input Voltage (V): 120  
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: 25 FT



TEST NUMBER: P331447  
CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

### Luminous Intensity Polar Plot





TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40	40	40	40	
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35	35	35	35	
4	76	66	58	52	71	62	55	50	53	48	44	46	42	39	39	36	34	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	30	27	27	27	27	
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24	24	24	24	
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21	21	21	21	
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19	19	19	19	
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17	17	17	17	
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16	16	16	16	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	32195	32195	32195	32195
5°	36094	32405	28716	32405
10°	41361	32139	24851	32139
15°	45757	31550	21956	31550
20°	45060	30917	20015	30917
25°	40631	30077	18786	30077
30°	33575	28732	17889	28732
35°	24471	27325	17251	27325
40°	19545	25665	16895	25665
45°	17080	23745	16413	23745
50°	16053	21886	16093	21886
55°	14798	19997	15662	19997
60°	13563	17990	14996	17990
65°	12355	16191	14346	16191
70°	11216	14436	13388	14436
75°	9944	12477	11859	12477
80°	8554	10330	9549	10330
85°	7669	7669	5687	7669



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	2.3
10°-20°	552.1	6.8
20°-30°	801.2	9.9
30°-40°	845.5	10.4
40°-50°	748.6	9.2
50°-60°	597.4	7.4
60°-70°	406.1	5.0
70°-80°	208.2	2.6
80°-90°	53.3	0.7
90°-100°	42.1	0.5
100°-110°	154.4	1.9
110°-120°	412.7	5.1
120°-130°	681.3	8.4
130°-140°	724.5	8.9
140°-150°	673.4	8.3
150°-160°	541.4	6.7
160°-170°	348.9	4.3
170°-180°	120.1	1.5
0°-30°	1543.2	19.0
0°-40°	2388.7	29.5
0°-60°	3734.8	46.1
0°-90°	4402.4	54.3
90°-120°	609.2	7.5
90°-150°	2688.4	33.2
90°-180°	3699.0	45.7
0°-180°	8101.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1994	1994	1994	1994	1994	
5°	2227	1999	1772	1999	2227	222
15°	2737	1888	1314	1888	2737	755
25°	2281	1688	1054	1688	2281	1031
35°	1242	1386	875	1386	1242	807
45°	748	1040	719	1040	748	588
55°	526	710	556	710	526	471
65°	323	424	376	424	323	322
75°	159	200	190	200	159	170
85°	41	41	31	41	41	46
90°	25	1	25	1	25	13
95°	39	59	39	59	39	37
105°	69	278	69	278	69	72
115°	75	525	75	525	75	188
125°	781	742	781	742	781	676
135°	949	919	949	919	949	731
145°	1082	1066	1082	1066	1082	677
155°	1174	1174	1174	1174	1174	542
165°	1234	1237	1234	1237	1234	348
175°	1258	1265	1258	1265	1258	120
180°	1262	1262	1262	1262	1262	



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2086.0	2086.6	2087.8	2078.0	2076.8	2076.8	2068.2	2060.9	2052.3	2040.6	2041.9
5°	2227.0	2235.4	2238.5	2229.3	2215.5	2214.0	2201.0	2179.5	2159.6	2143.5	2132.0
7.5°	2395.3	2398.7	2391.2	2379.1	2368.8	2350.4	2326.2	2302.4	2269.2	2238.7	2216.0
10°	2522.8	2527.4	2514.4	2496.8	2482.2	2460.8	2425.5	2389.5	2345.8	2303.7	2269.9
12.5°	2619.7	2631.0	2614.3	2612.0	2587.1	2557.6	2515.6	2497.4	2435.9	2377.2	2341.1
15°	2737.4	2736.6	2738.2	2723.6	2705.2	2700.6	2656.2	2607.9	2521.3	2486.8	2427.0
17.5°	2703.4	2715.0	2720.4	2720.2	2719.8	2716.9	2702.6	2672.1	2628.7	2572.8	2503.8
20°	2622.5	2637.8	2640.1	2657.7	2667.7	2680.7	2686.1	2677.6	2650.8	2604.1	2544.3
22.5°	2497.4	2501.7	2508.9	2536.3	2557.9	2590.6	2607.6	2635.9	2625.7	2602.8	2552.9
25°	2280.7	2273.0	2299.8	2313.6	2363.4	2415.5	2453.1	2494.5	2531.3	2553.5	2538.9
27.5°	2020.4	2008.9	2049.1	2085.7	2126.2	2182.6	2241.1	2310.2	2367.7	2439.6	2464.3
30°	1800.9	1807.8	1846.1	1885.2	1946.5	2026.2	2092.1	2168.0	2250.0	2330.5	2386.4
32.5°	1564.3	1590.8	1615.0	1674.9	1728.9	1817.8	1914.3	2009.2	2111.5	2203.0	2289.6
35°	1241.5	1272.1	1305.9	1349.5	1425.4	1513.5	1607.8	1735.8	1875.3	2000.2	2102.9
37.5°	1045.0	1040.1	1059.4	1091.0	1152.4	1223.6	1332.1	1458.5	1622.7	1769.5	1914.3
40°	927.3	924.2	938.0	967.1	1013.9	1066.0	1161.0	1272.1	1424.6	1604.0	1776.4
42.5°	846.4	848.2	855.9	876.4	908.4	951.3	1022.5	1117.0	1256.7	1425.6	1610.9
45°	748.0	753.3	761.8	771.7	790.1	825.4	865.2	932.7	1043.0	1184.0	1366.4
47.5°	677.1	677.3	685.9	694.6	705.5	725.4	757.9	800.2	878.1	992.9	1149.7
50°	639.1	633.8	639.9	646.8	658.3	672.1	693.5	733.4	785.5	878.2	1009.3
52.5°	592.5	592.7	598.2	600.8	611.1	624.9	644.5	672.1	719.3	791.8	899.5
55°	525.7	529.5	532.6	537.2	546.4	556.4	571.7	590.1	626.9	681.3	761.0
57.5°	462.9	464.1	467.2	475.9	481.7	490.9	505.5	522.2	546.1	586.4	646.3
60°	420.0	420.0	426.1	429.9	437.6	446.8	458.3	474.4	495.8	528.8	577.1
62.5°	380.7	380.1	382.6	388.8	394.7	403.3	414.7	428.4	448.6	477.9	517.6
65°	323.4	321.9	326.5	328.0	334.1	342.6	351.8	366.3	382.4	403.9	439.1
67.5°	268.2	270.1	272.5	275.4	278.8	287.7	293.8	304.1	317.7	335.5	359.4
70°	237.6	237.6	237.6	239.9	244.5	249.1	255.2	263.6	276.7	292.0	313.4
72.5°	203.2	205.7	208.1	206.8	212.6	215.3	222.7	227.5	239.9	249.7	268.7
75°	159.4	159.4	159.4	163.2	165.5	167.8	172.4	177.0	183.2	195.4	205.4
77.5°	118.9	118.6	119.4	120.3	122.8	125.5	126.9	131.0	136.7	142.4	150.8
80°	92.0	93.5	94.3	95.8	95.8	97.3	98.1	103.5	107.3	111.1	116.5
82.5°	71.1	71.4	71.6	71.9	72.5	73.4	75.4	77.1	78.5	81.7	85.8
85°	41.4	40.6	40.6	42.1	41.4	41.4	42.9	44.4	44.4	45.2	47.5
87.5°	20.9	20.8	21.3	20.6	20.5	21.0	20.8	20.0	20.4	20.8	21.1
90°	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3	19.3	18.3	16.6
92.5°	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2	21.7	21.2	20.4
95°	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6	36.6	35.6	34.2
97.5°	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3	48.5	47.7	44.4
100°	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3	53.7	52.1	48.6
102.5°	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7	55.6	53.5	48.2
105°	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2	57.9	55.7	48.6
107.5°	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4	75.7	78.0	144.4
110°	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2	139.5	159.8	218.5



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1	329.1	403.1	417.6
115°	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6	469.5	563.5	558.4
117.5°	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7	601.4	624.1	620.7
120°	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3	671.9	669.4	665.8
122.5°	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5	714.0	712.6	708.6
125°	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6	773.2	771.7	767.9
127.5°	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2	827.1	825.1	822.2
130°	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9	861.6	859.4	857.2
132.5°	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6	895.7	893.7	891.5
135°	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7	943.6	941.6	939.8
137.5°	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3	988.3	986.4	984.3
140°	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2	1017.4	1015.6	1013.4
142.5°	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9	1044.3	1042.6	1040.1
145°	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3	1081.8	1080.4	1077.0
147.5°	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8	1114.7	1113.7	1110.3
150°	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8	1134.6	1133.4	1130.2
152.5°	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1	1152.9	1151.7	1148.6
155°	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8	1177.5	1176.3	1173.9
157.5°	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5	1198.2	1196.8	1195.1
160°	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6	1210.4	1209.2	1208.0
162.5°	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9	1221.5	1220.2	1219.1
165°	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9	1233.3
167.5°	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2	1246.8	1245.4	1244.8
170°	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1	1252.6	1251.2	1250.8
172.5°	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4	1257.0	1255.6	1255.2
175°	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2	1261.8	1260.3	1259.9
177.5°	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7	1262.6	1261.4	1261.3
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2046.2	2041.3	2038.2	2027.2	2017.3	2007.5	2004.5	2005.7	1992.2	1979.3	1973.8
5°	2125.9	2110.5	2096.0	2075.3	2050.8	2023.9	2010.1	1999.4	1972.6	1943.5	1926.6
7.5°	2197.3	2175.4	2147.3	2108.4	2072.7	2030.5	2003.7	1979.9	1940.7	1899.6	1874.5
10°	2240.8	2210.9	2174.9	2127.4	2083.7	2032.4	1996.3	1960.3	1914.3	1865.3	1834.6
12.5°	2278.2	2237.9	2202.5	2141.5	2089.8	2025.6	1982.9	1932.1	1883.7	1825.4	1795.4
15°	2367.3	2292.9	2225.5	2156.5	2092.9	2003.2	1955.7	1887.5	1823.9	1751.9	1717.4
17.5°	2436.1	2352.5	2246.3	2158.7	2084.5	1985.2	1915.4	1833.7	1758.5	1676.2	1629.3
20°	2475.3	2379.5	2265.3	2161.1	2072.2	1958.8	1882.9	1799.4	1711.3	1618.5	1568.0
22.5°	2498.6	2397.9	2285.0	2151.9	2047.7	1937.3	1841.8	1750.3	1661.0	1560.9	1507.9
25°	2506.0	2414.0	2294.5	2144.3	2017.0	1892.1	1777.2	1688.3	1580.2	1486.7	1409.3
27.5°	2469.5	2403.6	2288.6	2129.8	1981.6	1835.6	1707.4	1606.7	1492.7	1391.2	1313.4
30°	2424.7	2386.4	2274.5	2115.1	1953.4	1796.3	1655.3	1541.1	1427.7	1325.0	1245.3
32.5°	2355.5	2347.2	2248.8	2094.3	1923.4	1746.7	1600.8	1485.3	1359.7	1258.8	1182.8
35°	2219.4	2256.1	2194.1	2047.7	1866.8	1676.0	1518.1	1386.3	1256.1	1159.5	1088.2
37.5°	2037.0	2128.3	2112.1	1979.5	1790.5	1599.1	1424.8	1287.0	1162.9	1065.4	995.5
40°	1911.3	2027.8	2044.6	1927.4	1736.6	1539.6	1354.9	1217.7	1096.6	1007.8	937.2
42.5°	1776.4	1912.5	1958.8	1864.8	1677.7	1477.1	1292.4	1150.3	1030.4	944.0	881.5
45°	1550.3	1730.4	1814.0	1760.3	1579.5	1374.1	1184.0	1039.9	931.1	849.9	801.6
47.5°	1339.0	1535.8	1648.1	1629.1	1470.2	1266.8	1078.9	940.6	834.7	769.9	726.7
50°	1189.4	1391.7	1527.3	1533.5	1391.7	1190.1	1001.6	871.3	774.0	713.5	678.2
52.5°	1059.4	1252.5	1400.4	1432.9	1304.0	1110.4	932.3	802.7	717.0	661.4	629.8
55°	889.7	1053.0	1217.0	1276.7	1173.3	989.4	824.6	710.4	629.9	591.6	564.0
57.5°	739.7	875.8	1027.2	1093.3	1029.5	872.1	717.6	618.4	553.2	519.6	498.4
60°	660.6	767.9	902.8	981.7	926.5	786.3	651.4	557.1	503.5	473.6	453.7
62.5°	587.0	682.1	796.1	868.3	838.2	706.0	585.2	502.0	455.7	427.6	413.2
65°	484.3	559.4	647.6	714.2	694.3	593.9	495.1	423.8	387.0	364.8	353.3
67.5°	398.8	453.1	514.2	572.6	556.5	485.4	406.0	350.5	323.1	303.9	297.0
70°	344.9	386.2	440.7	487.4	474.4	416.1	353.3	305.8	282.0	265.9	259.0
72.5°	293.4	327.4	368.9	407.1	398.3	349.9	297.5	261.6	243.4	228.5	222.9
75°	221.5	247.5	272.8	298.1	295.8	258.3	227.6	200.0	185.5	174.0	171.7
77.5°	163.5	178.1	195.3	210.3	206.1	184.7	160.6	144.8	134.1	126.4	125.2
80°	124.9	133.3	145.6	156.3	151.0	141.8	122.6	111.1	103.5	95.8	92.7
82.5°	90.6	99.0	106.4	112.2	108.1	99.5	87.7	79.9	75.3	70.0	68.8
85°	47.5	52.1	55.2	56.7	55.2	49.8	44.4	41.4	37.6	35.3	34.5
87.5°	21.4	21.1	20.7	21.6	19.3	18.9	16.0	13.7	13.5	13.3	12.6
90°	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9	3.1	5.4	7.6
92.5°	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4	18.2	18.0	17.8
95°	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4	52.7	46.0	39.3
97.5°	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8	98.9	80.1	61.2
100°	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7	133.8	106.0	78.2
102.5°	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9	204.0	198.1	192.2
105°	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6	283.7	289.8	295.9
107.5°	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9	359.8	364.7	369.6
110°	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6	408.9	413.1	417.4





TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3	455.1	458.9	462.7
115°	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1	528.6	532.0	535.5
117.5°	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1	594.9	598.8	602.7
120°	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3	642.3	645.4	648.4
122.5°	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2	683.4	686.6	689.8
125°	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5	745.1	747.8	750.4
127.5°	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9	801.9	804.8	807.7
130°	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8	838.0	841.2	844.5
132.5°	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3	874.0	876.8	879.6
135°	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8	922.0	925.3	928.5
137.5°	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8	969.1	971.4	973.6
140°	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2	999.9	1001.5	1003.1
142.5°	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5	1026.0	1027.5	1028.9
145°	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8	1065.6	1065.4	1065.2
147.5°	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8	1101.0	1100.3	1099.5
150°	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2	1123.8	1122.3	1120.9
152.5°	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9	1143.3	1141.7	1140.2
155°	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6	1171.8	1169.9	1168.1
157.5°	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0	1194.5	1193.0	1191.4
160°	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1208.0	1206.8	1205.5
162.5°	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9	1219.7	1218.5	1217.2
165°	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6	1235.4	1234.2	1232.9
167.5°	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3	1247.1	1245.9	1244.6
170°	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9	1253.6	1252.4	1251.2
172.5°	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2	1258.0	1256.8	1255.6
175°	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9	1263.5	1262.1	1260.6
177.5°	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8	1264.7	1263.6	1262.4
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1967.7	1964.0	1951.1	1944.4	1933.4	1922.9	1916.2	1919.3	1921.7	1920.5	1918.6
5°	1911.3	1896.7	1874.5	1855.3	1841.5	1816.3	1805.5	1800.2	1795.6	1790.2	1784.8
7.5°	1844.1	1821.2	1789.3	1762.0	1736.2	1704.8	1686.9	1676.2	1665.1	1653.0	1642.3
10°	1796.3	1764.1	1730.4	1692.1	1661.5	1633.1	1607.8	1590.9	1575.6	1561.1	1550.3
12.5°	1746.1	1709.0	1667.3	1614.9	1581.1	1540.5	1536.7	1507.0	1483.0	1474.0	1461.4
15°	1666.0	1613.9	1561.1	1499.0	1472.2	1435.4	1412.4	1389.4	1368.7	1354.1	1350.3
17.5°	1575.2	1507.7	1455.1	1410.5	1366.6	1328.9	1307.7	1289.3	1272.3	1252.8	1250.2
20°	1505.9	1447.6	1390.2	1351.1	1305.9	1267.5	1241.5	1223.1	1208.5	1197.0	1187.1
22.5°	1440.3	1376.5	1323.9	1281.2	1236.6	1205.6	1185.1	1167.3	1155.2	1142.5	1133.1
25°	1335.0	1285.2	1227.7	1179.4	1142.6	1122.7	1105.8	1090.5	1082.9	1074.4	1063.7
27.5°	1242.9	1187.5	1133.7	1096.3	1064.0	1046.4	1034.4	1024.0	1016.8	1011.9	1005.8
30°	1177.9	1121.9	1079.8	1043.0	1016.2	998.6	990.9	984.8	976.3	973.3	970.2
32.5°	1115.3	1064.9	1028.9	997.0	971.4	959.9	952.9	947.4	940.8	937.7	931.6
35°	1026.9	984.8	949.5	931.9	911.2	901.2	895.9	888.2	882.1	879.0	878.2
37.5°	943.7	907.1	883.9	861.2	852.5	846.4	839.0	833.8	832.0	831.5	830.7
40°	889.7	859.8	839.2	820.8	816.9	807.7	801.6	797.0	797.0	797.8	797.0
42.5°	840.7	813.9	795.6	779.7	775.2	769.7	763.6	763.3	764.5	767.1	764.5
45°	766.4	747.2	734.2	726.5	718.1	712.7	711.9	714.2	715.0	715.8	718.1
47.5°	698.0	685.3	673.5	665.0	661.4	660.4	659.5	663.5	667.2	668.6	672.1
50°	657.5	643.0	633.0	627.6	624.6	623.0	624.6	629.2	632.2	636.1	638.4
52.5°	612.2	601.9	595.0	590.9	589.6	590.6	590.9	596.1	601.0	602.4	603.4
55°	549.5	541.8	540.3	533.4	536.4	535.7	539.5	542.6	547.2	551.8	552.5
57.5°	486.9	480.8	476.7	477.3	478.2	481.6	484.8	490.2	495.1	500.0	500.4
60°	445.3	442.2	439.9	439.9	441.4	446.0	449.8	455.2	458.3	461.3	463.6
62.5°	407.2	404.2	401.9	403.1	407.1	409.8	414.3	417.2	420.3	423.3	424.4
65°	347.2	345.6	347.9	349.5	350.2	354.1	359.4	361.7	364.8	366.3	371.7
67.5°	291.8	292.1	291.8	294.0	298.4	299.3	304.4	309.8	310.4	313.3	316.8
70°	254.4	256.0	257.5	259.0	262.9	264.4	268.2	270.5	273.6	275.9	278.2
72.5°	220.1	220.4	221.9	221.6	224.8	228.2	231.4	233.7	236.8	239.7	242.0
75°	169.4	169.4	170.9	171.7	175.5	179.3	178.6	180.1	183.2	186.2	187.8
77.5°	123.7	122.0	123.7	124.5	125.7	128.9	129.5	131.7	135.2	134.1	135.8
80°	94.3	92.0	94.3	95.0	95.0	98.9	98.9	100.4	102.7	100.4	102.7
82.5°	67.3	66.2	67.9	68.1	69.3	69.4	70.7	71.0	73.3	72.2	73.3
85°	33.7	33.0	33.7	33.0	33.7	34.5	34.5	33.7	33.7	35.3	33.0
87.5°	12.4	12.2	11.9	12.2	11.9	11.6	11.2	11.4	11.6	10.6	10.7
90°	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3	21.3	22.3	23.0
92.5°	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2	22.8	23.3	23.7
95°	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6	38.7	39.7	40.1
97.5°	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3	50.1	50.9	51.4
100°	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3	56.9	58.6	59.6
102.5°	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7	59.9	62.0	63.3
105°	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2	62.4	64.6	66.2
107.5°	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4	71.2	68.9	68.2
110°	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2	98.9	78.6	68.9



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1	181.0	107.0	70.3
115°	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6	281.6	187.6	133.3
117.5°	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7	556.0	533.2	497.8
120°	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3	676.8	679.2	666.7
122.5°	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5	716.9	718.4	716.5
125°	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6	776.0	777.4	778.4
127.5°	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2	831.3	833.4	834.4
130°	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9	866.1	868.3	869.4
132.5°	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6	899.5	901.4	902.2
135°	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7	947.7	949.7	950.5
137.5°	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3	992.3	994.3	995.0
140°	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2	1021.1	1022.9	1023.3
142.5°	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9	1047.6	1049.3	1049.6
145°	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3	1084.7	1086.1	1086.3
147.5°	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8	1116.8	1117.9	1118.0
150°	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8	1137.1	1138.3	1138.4
152.5°	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1	1155.3	1156.5	1156.5
155°	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8	1180.0	1181.2	1181.0
157.5°	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5	1200.9	1202.3	1202.2
160°	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6	1212.9	1214.1	1214.0
162.5°	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9	1224.3	1225.7	1225.5
165°	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5
167.5°	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2	1249.6	1251.1	1250.8
170°	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1	1255.5	1256.9	1256.7
172.5°	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4	1259.9	1261.3	1261.1
175°	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2	1264.6	1266.0	1265.7
177.5°	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7	1264.9	1266.0	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1912.5	1911.3	1911.3	1905.8	1911.3	1911.3	1912.5	1918.6	1920.5	1921.7	1919.3
5°	1774.1	1771.8	1768.0	1771.8	1768.0	1771.8	1774.1	1784.8	1790.2	1795.6	1800.2
7.5°	1637.2	1628.0	1626.7	1617.6	1626.7	1628.0	1637.2	1642.3	1653.0	1665.1	1676.2
10°	1537.3	1531.2	1530.4	1515.8	1530.4	1531.2	1537.3	1550.3	1561.1	1575.6	1590.9
12.5°	1461.3	1446.6	1449.5	1441.0	1449.5	1446.6	1461.3	1461.4	1474.0	1483.0	1507.0
15°	1329.6	1329.6	1326.6	1313.5	1326.6	1329.6	1329.6	1350.3	1354.1	1368.7	1389.4
17.5°	1235.1	1233.5	1226.2	1229.8	1226.2	1233.5	1235.1	1250.2	1252.8	1272.3	1289.3
20°	1178.6	1174.1	1164.9	1164.9	1164.9	1174.1	1178.6	1187.1	1197.0	1208.5	1223.1
22.5°	1125.3	1125.0	1115.2	1118.3	1115.2	1125.0	1125.3	1133.1	1142.5	1155.2	1167.3
25°	1062.9	1056.8	1052.2	1054.5	1052.2	1056.8	1062.9	1063.7	1074.4	1082.9	1090.5
27.5°	1003.8	1000.4	1000.1	993.8	1000.1	1000.4	1003.8	1005.8	1011.9	1016.8	1024.0
30°	969.4	961.8	963.3	959.5	963.3	961.8	969.4	970.2	973.3	976.3	984.8
32.5°	930.2	927.4	925.9	922.7	925.9	927.4	930.2	931.6	937.7	940.8	947.4
35°	876.7	877.5	873.6	875.2	873.6	877.5	876.7	878.2	879.0	882.1	888.2
37.5°	830.0	832.4	830.6	831.0	830.6	832.4	830.0	830.7	831.5	832.0	833.8
40°	799.3	799.3	799.3	801.6	799.3	799.3	799.3	797.0	797.8	797.0	797.0
42.5°	769.9	768.7	767.4	767.3	767.4	768.7	769.9	764.5	767.1	764.5	763.3
45°	719.6	721.9	722.7	718.8	722.7	721.9	719.6	718.1	715.8	715.0	714.2
47.5°	674.1	674.4	674.1	677.5	674.1	674.4	674.1	672.1	668.6	667.2	663.5
50°	642.2	640.7	642.2	640.7	642.2	640.7	642.2	638.4	636.1	632.2	629.2
52.5°	608.5	608.8	607.9	607.6	607.9	608.8	608.5	603.4	602.4	601.0	596.1
55°	555.6	557.1	556.4	556.4	556.4	557.1	555.6	552.5	551.8	547.2	542.6
57.5°	500.9	502.3	503.3	500.0	503.3	502.3	500.9	500.4	500.0	495.1	490.2
60°	462.9	466.7	465.9	464.4	465.9	466.7	462.9	463.6	461.3	458.3	455.2
62.5°	427.9	429.3	429.2	428.9	429.2	429.3	427.9	424.4	423.3	420.3	417.2
65°	374.0	375.5	373.2	375.5	373.2	375.5	374.0	371.7	366.3	364.8	361.7
67.5°	315.9	316.4	318.0	319.1	318.0	316.4	315.9	316.8	313.3	310.4	309.8
70°	279.7	279.0	281.3	283.6	281.3	279.0	279.7	278.2	275.9	273.6	270.5
72.5°	241.7	243.4	242.6	244.3	242.6	243.4	241.7	242.0	239.7	236.8	233.7
75°	186.2	188.5	187.8	190.1	187.8	188.5	186.2	187.8	186.2	183.2	180.1
77.5°	134.6	134.9	134.6	135.8	134.6	134.9	134.6	135.8	134.1	135.2	131.7
80°	102.7	101.2	99.6	102.7	99.6	101.2	102.7	102.7	100.4	102.7	100.4
82.5°	71.4	72.3	70.8	70.8	70.8	72.3	71.4	73.3	72.2	73.3	71.0
85°	33.0	32.2	30.7	30.7	30.7	32.2	33.0	33.0	35.3	33.7	33.7
87.5°	10.8	10.3	10.4	9.8	10.4	10.3	10.8	10.7	10.6	11.6	11.4
90°	23.4	23.8	24.3	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3
92.5°	23.9	24.2	24.4	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2
95°	39.9	39.7	39.5	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6
97.5°	51.7	51.9	52.2	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3
100°	60.0	60.4	60.8	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3
102.5°	63.9	64.4	65.0	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7
105°	67.0	67.8	68.6	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2
107.5°	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4
110°	69.7	70.5	71.3	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	70.9	71.6	72.2	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1
115°	118.7	104.1	89.5	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6
117.5°	449.8	401.8	353.8	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7
120°	639.3	611.9	584.5	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3
122.5°	711.2	705.8	700.5	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5
125°	779.0	779.6	780.3	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6
127.5°	834.6	834.7	834.8	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2
130°	869.2	868.9	868.7	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9
132.5°	902.0	901.8	901.6	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6
135°	950.1	949.7	949.3	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7
137.5°	994.3	993.6	992.9	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3
140°	1022.3	1021.3	1020.3	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2
142.5°	1048.6	1047.6	1046.6	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9
145°	1085.3	1084.3	1083.3	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3
147.5°	1117.1	1116.3	1115.4	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8
150°	1137.4	1136.3	1135.3	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8
152.5°	1155.1	1153.8	1152.5	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1
155°	1179.4	1177.7	1176.1	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8
157.5°	1200.6	1199.0	1197.4	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5
160°	1212.5	1211.1	1209.7	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6
162.5°	1223.8	1222.0	1220.3	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9
165°	1238.1	1236.7	1235.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7
167.5°	1249.0	1247.2	1245.4	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2
170°	1254.9	1253.0	1251.2	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1
172.5°	1259.2	1257.4	1255.6	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4
175°	1263.7	1261.7	1259.6	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2
177.5°	1264.4	1262.9	1261.4	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	1916.2	1922.9	1933.4	1944.4	1951.1	1964.0	1967.7	1973.8	1979.3	1992.2	2005.7
5°	1805.5	1816.3	1841.5	1855.3	1874.5	1896.7	1911.3	1926.6	1943.5	1972.6	1999.4
7.5°	1686.9	1704.8	1736.2	1762.0	1789.3	1821.2	1844.1	1874.5	1899.6	1940.7	1979.9
10°	1607.8	1633.1	1661.5	1692.1	1730.4	1764.1	1796.3	1834.6	1865.3	1914.3	1960.3
12.5°	1536.7	1540.5	1581.1	1614.9	1667.3	1709.0	1746.1	1795.4	1825.4	1883.7	1932.1
15°	1412.4	1435.4	1472.2	1499.0	1561.1	1613.9	1666.0	1717.4	1751.9	1823.9	1887.5
17.5°	1307.7	1328.9	1366.6	1410.5	1455.1	1507.7	1575.2	1629.3	1676.2	1758.5	1833.7
20°	1241.5	1267.5	1305.9	1351.1	1390.2	1447.6	1505.9	1568.0	1618.5	1711.3	1799.4
22.5°	1185.1	1205.6	1236.6	1281.2	1323.9	1376.5	1440.3	1507.9	1560.9	1661.0	1750.3
25°	1105.8	1122.7	1142.6	1179.4	1227.7	1285.2	1335.0	1409.3	1486.7	1580.2	1688.3
27.5°	1034.4	1046.4	1064.0	1096.3	1133.7	1187.5	1242.9	1313.4	1391.2	1492.7	1606.7
30°	990.9	998.6	1016.2	1043.0	1079.8	1121.9	1177.9	1245.3	1325.0	1427.7	1541.1
32.5°	952.9	959.9	971.4	997.0	1028.9	1064.9	1115.3	1182.8	1258.8	1359.7	1485.3
35°	895.9	901.2	911.2	931.9	949.5	984.8	1026.9	1088.2	1159.5	1256.1	1386.3
37.5°	839.0	846.4	852.5	861.2	883.9	907.1	943.7	995.5	1065.4	1162.9	1287.0
40°	801.6	807.7	816.9	820.8	839.2	859.8	889.7	937.2	1007.8	1096.6	1217.7
42.5°	763.6	769.7	775.2	779.7	795.6	813.9	840.7	881.5	944.0	1030.4	1150.3
45°	711.9	712.7	718.1	726.5	734.2	747.2	766.4	801.6	849.9	931.1	1039.9
47.5°	659.5	660.4	661.4	665.0	673.5	685.3	698.0	726.7	769.9	834.7	940.6
50°	624.6	623.0	624.6	627.6	633.0	643.0	657.5	678.2	713.5	774.0	871.3
52.5°	590.9	590.6	589.6	590.9	595.0	601.9	612.2	629.8	661.4	717.0	802.7
55°	539.5	535.7	536.4	533.4	540.3	541.8	549.5	564.0	591.6	629.9	710.4
57.5°	484.8	481.6	478.2	477.3	476.7	480.8	486.9	498.4	519.6	553.2	618.4
60°	449.8	446.0	441.4	439.9	439.9	442.2	445.3	453.7	473.6	503.5	557.1
62.5°	414.3	409.8	407.1	403.1	401.9	404.2	407.2	413.2	427.6	455.7	502.0
65°	359.4	354.1	350.2	349.5	347.9	345.6	347.2	353.3	364.8	387.0	423.8
67.5°	304.4	299.3	298.4	294.0	291.8	292.1	291.8	297.0	303.9	323.1	350.5
70°	268.2	264.4	262.9	259.0	257.5	256.0	254.4	259.0	265.9	282.0	305.8
72.5°	231.4	228.2	224.8	221.6	221.9	220.4	220.1	222.9	228.5	243.4	261.6
75°	178.6	179.3	175.5	171.7	170.9	169.4	169.4	171.7	174.0	185.5	200.0
77.5°	129.5	128.9	125.7	124.5	123.7	122.0	123.7	125.2	126.4	134.1	144.8
80°	98.9	98.9	95.0	95.0	94.3	92.0	94.3	92.7	95.8	103.5	111.1
82.5°	70.7	69.4	69.3	68.1	67.9	66.2	67.3	68.8	70.0	75.3	79.9
85°	34.5	34.5	33.7	33.0	33.7	33.0	33.7	34.5	35.3	37.6	41.4
87.5°	11.2	11.6	11.9	12.2	11.9	12.2	12.4	12.6	13.3	13.5	13.7
90°	19.3	18.3	16.6	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9
92.5°	21.7	21.2	20.4	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4
95°	36.6	35.6	34.2	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4
97.5°	48.5	47.7	44.4	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8
100°	53.7	52.1	48.6	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7
102.5°	55.6	53.5	82.4	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9
105°	57.9	55.7	111.1	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6
107.5°	75.7	78.0	144.4	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9
110°	139.5	159.8	218.5	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	329.1	403.1	417.6	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3
115°	469.5	563.5	558.4	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1
117.5°	601.4	624.1	620.7	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1
120°	671.9	669.4	665.8	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3
122.5°	714.0	712.6	708.6	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2
125°	773.2	771.7	767.9	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5
127.5°	827.1	825.1	822.2	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9
130°	861.6	859.4	857.2	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8
132.5°	895.7	893.7	891.5	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3
135°	943.6	941.6	939.8	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8
137.5°	988.3	986.4	984.3	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8
140°	1017.4	1015.6	1013.4	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2
142.5°	1044.3	1042.6	1040.1	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5
145°	1081.8	1080.4	1077.0	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8
147.5°	1114.7	1113.7	1110.3	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8
150°	1134.6	1133.4	1130.2	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2
152.5°	1152.9	1151.7	1148.6	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9
155°	1177.5	1176.3	1173.9	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6
157.5°	1198.2	1196.8	1195.1	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0
160°	1210.4	1209.2	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2
162.5°	1221.5	1220.2	1219.1	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9
165°	1235.3	1233.9	1233.3	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6
167.5°	1246.8	1245.4	1244.8	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3
170°	1252.6	1251.2	1250.8	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9
172.5°	1257.0	1255.6	1255.2	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2
175°	1261.8	1260.3	1259.9	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9
177.5°	1262.6	1261.4	1261.3	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2004.5	2007.5	2017.3	2027.2	2038.2	2041.3	2046.2	2041.9	2040.6	2052.3	2060.9
5°	2010.1	2023.9	2050.8	2075.3	2096.0	2110.5	2125.9	2132.0	2143.5	2159.6	2179.5
7.5°	2003.7	2030.5	2072.7	2108.4	2147.3	2175.4	2197.3	2216.0	2238.7	2269.2	2302.4
10°	1996.3	2032.4	2083.7	2127.4	2174.9	2210.9	2240.8	2269.9	2303.7	2345.8	2389.5
12.5°	1982.9	2025.6	2089.8	2141.5	2202.5	2237.9	2278.2	2341.1	2377.2	2435.9	2497.4
15°	1955.7	2003.2	2092.9	2156.5	2225.5	2292.9	2367.3	2427.0	2486.8	2521.3	2607.9
17.5°	1915.4	1985.2	2084.5	2158.7	2246.3	2352.5	2436.1	2503.8	2572.8	2628.7	2672.1
20°	1882.9	1958.8	2072.2	2161.1	2265.3	2379.5	2475.3	2544.3	2604.1	2650.8	2677.6
22.5°	1841.8	1937.3	2047.7	2151.9	2285.0	2397.9	2498.6	2552.9	2602.8	2625.7	2635.9
25°	1777.2	1892.1	2017.0	2144.3	2294.5	2414.0	2506.0	2538.9	2553.5	2531.3	2494.5
27.5°	1707.4	1835.6	1981.6	2129.8	2288.6	2403.6	2469.5	2464.3	2439.6	2367.7	2310.2
30°	1655.3	1796.3	1953.4	2115.1	2274.5	2386.4	2424.7	2386.4	2330.5	2250.0	2168.0
32.5°	1600.8	1746.7	1923.4	2094.3	2248.8	2347.2	2355.5	2289.6	2203.0	2111.5	2009.2
35°	1518.1	1676.0	1866.8	2047.7	2194.1	2256.1	2219.4	2102.9	2000.2	1875.3	1735.8
37.5°	1424.8	1599.1	1790.5	1979.5	2112.1	2128.3	2037.0	1914.3	1769.5	1622.7	1458.5
40°	1354.9	1539.6	1736.6	1927.4	2044.6	2027.8	1911.3	1776.4	1604.0	1424.6	1272.1
42.5°	1292.4	1477.1	1677.7	1864.8	1958.8	1912.5	1776.4	1610.9	1425.6	1256.7	1117.0
45°	1184.0	1374.1	1579.5	1760.3	1814.0	1730.4	1550.3	1366.4	1184.0	1043.0	932.7
47.5°	1078.9	1266.8	1470.2	1629.1	1648.1	1535.8	1339.0	1149.7	992.9	878.1	800.2
50°	1001.6	1190.1	1391.7	1533.5	1527.3	1391.7	1189.4	1009.3	878.2	785.5	733.4
52.5°	932.3	1110.4	1304.0	1432.9	1400.4	1252.5	1059.4	899.5	791.8	719.3	672.1
55°	824.6	989.4	1173.3	1276.7	1217.0	1053.0	889.7	761.0	681.3	626.9	590.1
57.5°	717.6	872.1	1029.5	1093.3	1027.2	875.8	739.7	646.3	586.4	546.1	522.2
60°	651.4	786.3	926.5	981.7	902.8	767.9	660.6	577.1	528.8	495.8	474.4
62.5°	585.2	706.0	838.2	868.3	796.1	682.1	587.0	517.6	477.9	448.6	428.4
65°	495.1	593.9	694.3	714.2	647.6	559.4	484.3	439.1	403.9	382.4	366.3
67.5°	406.0	485.4	556.5	572.6	514.2	453.1	398.8	359.4	335.5	317.7	304.1
70°	353.3	416.1	474.4	487.4	440.7	386.2	344.9	313.4	292.0	276.7	263.6
72.5°	297.5	349.9	398.3	407.1	368.9	327.4	293.4	268.7	249.7	239.9	227.5
75°	227.6	258.3	295.8	298.1	272.8	247.5	221.5	205.4	195.4	183.2	177.0
77.5°	160.6	184.7	206.1	210.3	195.3	178.1	163.5	150.8	142.4	136.7	131.0
80°	122.6	141.8	151.0	156.3	145.6	133.3	124.9	116.5	111.1	107.3	103.5
82.5°	87.7	99.5	108.1	112.2	106.4	99.0	90.6	85.8	81.7	78.5	77.1
85°	44.4	49.8	55.2	56.7	55.2	52.1	47.5	47.5	45.2	44.4	44.4
87.5°	16.0	18.9	19.3	21.6	20.7	21.1	21.4	21.1	20.8	20.4	20.0
90°	3.1	5.4	7.6	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3
92.5°	18.2	18.0	17.8	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2
95°	52.7	46.0	39.3	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6
97.5°	98.9	80.1	61.2	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3
100°	133.8	106.0	78.2	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3
102.5°	204.0	198.1	192.2	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7
105°	283.7	289.8	295.9	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2
107.5°	359.8	364.7	369.6	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4
110°	408.9	413.1	417.4	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2





TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.1	458.9	462.7	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1
115°	528.6	532.0	535.5	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6
117.5°	594.9	598.8	602.7	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7
120°	642.3	645.4	648.4	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3
122.5°	683.4	686.6	689.8	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5
125°	745.1	747.8	750.4	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6
127.5°	801.9	804.8	807.7	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2
130°	838.0	841.2	844.5	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9
132.5°	874.0	876.8	879.6	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6
135°	922.0	925.3	928.5	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7
137.5°	969.1	971.4	973.6	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3
140°	999.9	1001.5	1003.1	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2
142.5°	1026.0	1027.5	1028.9	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9
145°	1065.6	1065.4	1065.2	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3
147.5°	1101.0	1100.3	1099.5	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8
150°	1123.8	1122.3	1120.9	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8
152.5°	1143.3	1141.7	1140.2	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1
155°	1171.8	1169.9	1168.1	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8
157.5°	1194.5	1193.0	1191.4	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5
160°	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6
162.5°	1219.7	1218.5	1217.2	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9
165°	1235.4	1234.2	1232.9	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7
167.5°	1247.1	1245.9	1244.6	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2
170°	1253.6	1252.4	1251.2	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1
172.5°	1258.0	1256.8	1255.6	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4
175°	1263.5	1262.1	1260.6	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2
177.5°	1264.7	1263.6	1262.4	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0	1994.0
2.5°	2068.2	2076.8	2076.8	2078.0	2087.8	2086.6	2086.0
5°	2201.0	2214.0	2215.5	2229.3	2238.5	2235.4	2227.0
7.5°	2326.2	2350.4	2368.8	2379.1	2391.2	2398.7	2395.3
10°	2425.5	2460.8	2482.2	2496.8	2514.4	2527.4	2522.8
12.5°	2515.6	2557.6	2587.1	2612.0	2614.3	2631.0	2619.7
15°	2656.2	2700.6	2705.2	2723.6	2738.2	2736.6	2737.4
17.5°	2702.6	2716.9	2719.8	2720.2	2720.4	2715.0	2703.4
20°	2686.1	2680.7	2667.7	2657.7	2640.1	2637.8	2622.5
22.5°	2607.6	2590.6	2557.9	2536.3	2508.9	2501.7	2497.4
25°	2453.1	2415.5	2363.4	2313.6	2299.8	2273.0	2280.7
27.5°	2241.1	2182.6	2126.2	2085.7	2049.1	2008.9	2020.4
30°	2092.1	2026.2	1946.5	1885.2	1846.1	1807.8	1800.9
32.5°	1914.3	1817.8	1728.9	1674.9	1615.0	1590.8	1564.3
35°	1607.8	1513.5	1425.4	1349.5	1305.9	1272.1	1241.5
37.5°	1332.1	1223.6	1152.4	1091.0	1059.4	1040.1	1045.0
40°	1161.0	1066.0	1013.9	967.1	938.0	924.2	927.3
42.5°	1022.5	951.3	908.4	876.4	855.9	848.2	846.4
45°	865.2	825.4	790.1	771.7	761.8	753.3	748.0
47.5°	757.9	725.4	705.5	694.6	685.9	677.3	677.1
50°	693.5	672.1	658.3	646.8	639.9	633.8	639.1
52.5°	644.5	624.9	611.1	600.8	598.2	592.7	592.5
55°	571.7	556.4	546.4	537.2	532.6	529.5	525.7
57.5°	505.5	490.9	481.7	475.9	467.2	464.1	462.9
60°	458.3	446.8	437.6	429.9	426.1	420.0	420.0
62.5°	414.7	403.3	394.7	388.8	382.6	380.1	380.7
65°	351.8	342.6	334.1	328.0	326.5	321.9	323.4
67.5°	293.8	287.7	278.8	275.4	272.5	270.1	268.2
70°	255.2	249.1	244.5	239.9	237.6	237.6	237.6
72.5°	222.7	215.3	212.6	206.8	208.1	205.7	203.2
75°	172.4	167.8	165.5	163.2	159.4	159.4	159.4
77.5°	126.9	125.5	122.8	120.3	119.4	118.6	118.9
80°	98.1	97.3	95.8	95.8	94.3	93.5	92.0
82.5°	75.4	73.4	72.5	71.9	71.6	71.4	71.1
85°	42.9	41.4	41.4	42.1	40.6	40.6	41.4
87.5°	20.8	21.0	20.5	20.6	21.3	20.8	20.9
90°	21.3	22.3	23.0	23.4	23.8	24.3	24.7
92.5°	22.8	23.3	23.7	23.9	24.2	24.4	24.7
95°	38.7	39.7	40.1	39.9	39.7	39.5	39.3
97.5°	50.1	50.9	51.4	51.7	51.9	52.2	52.4
100°	56.9	58.6	59.6	60.0	60.4	60.8	61.2
102.5°	59.9	62.0	63.3	63.9	64.4	65.0	65.6
105°	62.4	64.6	66.2	67.0	67.8	68.6	69.4
107.5°	71.2	68.9	68.2	69.0	69.8	70.6	71.4
110°	98.9	78.6	68.9	69.7	70.5	71.3	72.2



TEST NUMBER: P331447

CATALOG NUMBER: SA2XXDIP-C1005D925U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	181.0	107.0	70.3	70.9	71.6	72.2	72.9
115°	281.6	187.6	133.3	118.7	104.1	89.5	74.9
117.5°	556.0	533.2	497.8	449.8	401.8	353.8	305.8
120°	676.8	679.2	666.7	639.3	611.9	584.5	557.1
122.5°	716.9	718.4	716.5	711.2	705.8	700.5	695.2
125°	776.0	777.4	778.4	779.0	779.6	780.3	780.9
127.5°	831.3	833.4	834.4	834.6	834.7	834.8	834.9
130°	866.1	868.3	869.4	869.2	868.9	868.7	868.5
132.5°	899.5	901.4	902.2	902.0	901.8	901.6	901.4
135°	947.7	949.7	950.5	950.1	949.7	949.3	948.9
137.5°	992.3	994.3	995.0	994.3	993.6	992.9	992.2
140°	1021.1	1022.9	1023.3	1022.3	1021.3	1020.3	1019.2
142.5°	1047.6	1049.3	1049.6	1048.6	1047.6	1046.6	1045.5
145°	1084.7	1086.1	1086.3	1085.3	1084.3	1083.3	1082.3
147.5°	1116.8	1117.9	1118.0	1117.1	1116.3	1115.4	1114.6
150°	1137.1	1138.3	1138.4	1137.4	1136.3	1135.3	1134.3
152.5°	1155.3	1156.5	1156.5	1155.1	1153.8	1152.5	1151.1
155°	1180.0	1181.2	1181.0	1179.4	1177.7	1176.1	1174.5
157.5°	1200.9	1202.3	1202.2	1200.6	1199.0	1197.4	1195.9
160°	1212.9	1214.1	1214.0	1212.5	1211.1	1209.7	1208.3
162.5°	1224.3	1225.7	1225.5	1223.8	1222.0	1220.3	1218.5
165°	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9
167.5°	1249.6	1251.1	1250.8	1249.0	1247.2	1245.4	1243.5
170°	1255.5	1256.9	1256.7	1254.9	1253.0	1251.2	1249.4
172.5°	1259.9	1261.3	1261.1	1259.2	1257.4	1255.6	1253.8
175°	1264.6	1266.0	1265.7	1263.7	1261.7	1259.6	1257.6
177.5°	1264.9	1266.0	1265.8	1264.4	1262.9	1261.4	1260.0
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2

(END OF REPORT)