

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: P332038-927

Luminaire Tested: **S123DIP-S1000D1195U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332038-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1195U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6782.5 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

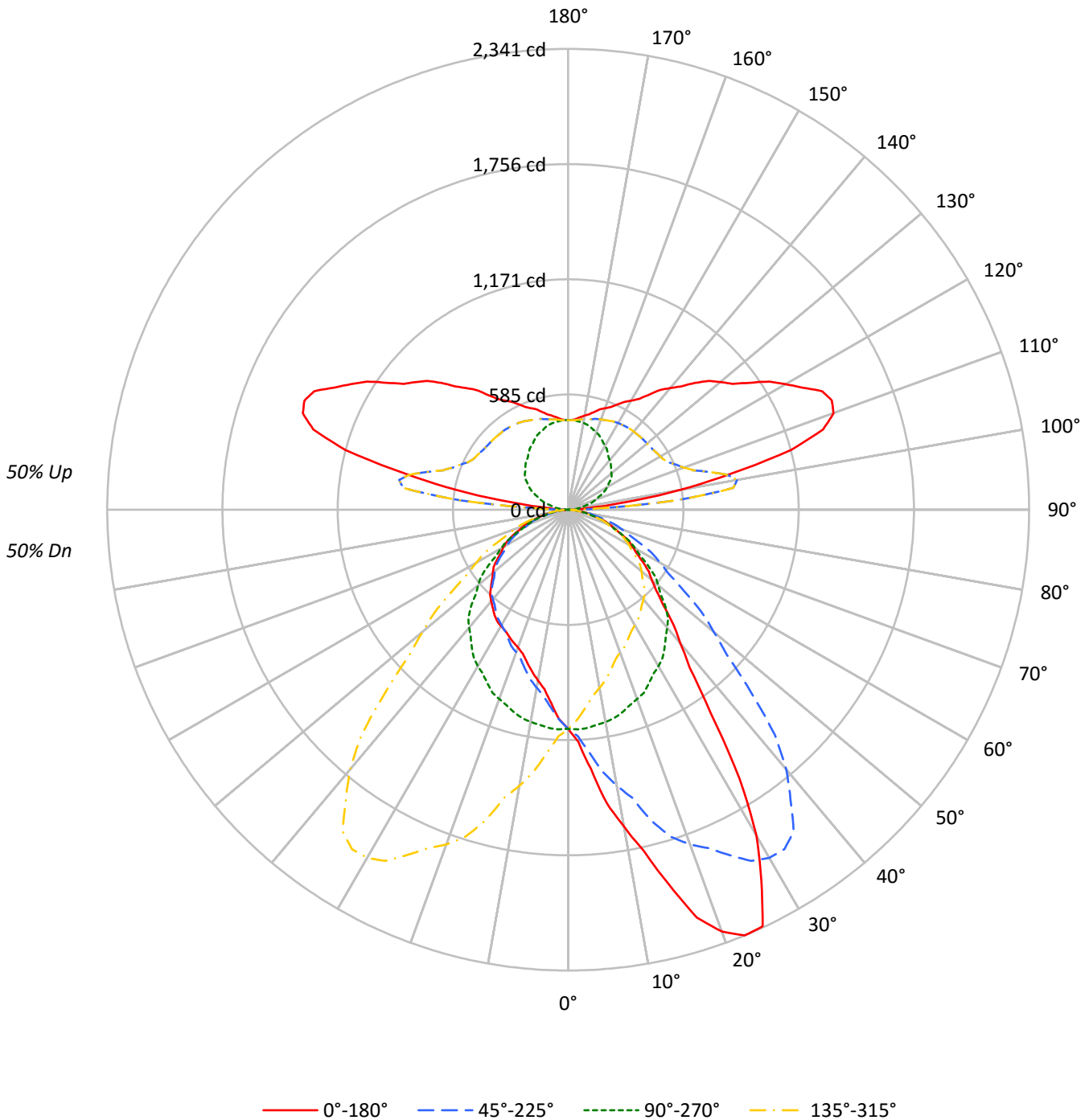
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

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	50	30	10	50	30	10	0																			
RCR																																														
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50																												
1	98	94	90	87	90	87	83	80	73	71	69	61	59	58	50	49	48	42																												
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36																												
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31																												
4	75	64	56	50	69	60	53	47	51	46	41	43	39	36	35	32	30	26																												
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23																												
6	63	51	43	38	58	48	41	36	41	36	31	35	30	27	29	26	23	20																												
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18																												
8	54	42	34	29	50	39	32	28	34	28	25	29	25	22	24	21	19	16																												
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15																												
10	47	35	28	23	44	33	27	22	29	23	20	25	20	17	21	17	15	13																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11976	11976	11976	11976
5°	14282	12028	10659	12028
10°	17876	11967	9627	11967
15°	21926	11870	8963	11870
20°	26120	11720	8534	11720
25°	27736	11537	8438	11537
30°	23772	11404	8483	11404
35°	16533	11213	8571	11213
40°	12452	10991	8545	10991
45°	10339	10660	8435	10660
50°	9262	9984	8359	9984
55°	8659	9256	8255	9256
60°	8122	8495	8170	8495
65°	7636	7743	7908	7743
70°	7160	6889	7531	6889
75°	6413	6030	6904	6030
80°	5610	4947	5945	4947
85°	4397	3594	3989	3594



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.6
10°-20°	351.5	5.2
20°-30°	589.8	8.7
30°-40°	667.9	9.8
40°-50°	598.9	8.8
50°-60°	483.3	7.1
60°-70°	336.8	5.0
70°-80°	177.0	2.6
80°-90°	46.8	0.7
90°-100°	253.0	3.7
100°-110°	716.5	10.6
110°-120°	704.8	10.4
120°-130°	562.2	8.3
130°-140°	443.3	6.5
140°-150°	330.8	4.9
150°-160°	230.6	3.4
160°-170°	135.5	2.0
170°-180°	44.1	0.6
0°-30°	1050.9	15.5
0°-40°	1718.8	25.3
0°-60°	2801.1	41.3
0°-90°	3361.7	49.6
90°-120°	1674.3	24.7
90°-150°	3010.6	44.4
90°-180°	3421.0	50.4
0°-180°	6782.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1113	1113	1113	1113	1113	
5°	1322	1113	986	1113	1322	137
15°	1968	1065	804	1065	1968	568
25°	2335	971	710	971	2335	1024
35°	1258	853	652	853	1258	817
45°	679	700	554	700	679	537
55°	461	493	440	493	461	414
65°	300	304	310	304	300	298
75°	154	145	166	145	154	165
85°	36	29	32	29	36	43
90°	27	2	27	2	27	16
95°	107	31	107	31	107	192
105°	1171	107	1171	107	1171	1155
115°	1424	189	1424	189	1424	1383
125°	1123	262	1123	262	1123	1018
135°	910	307	910	307	910	706
145°	712	351	712	351	712	452
155°	590	398	590	398	590	275
165°	514	435	514	435	514	147
175°	463	454	463	454	463	45
180°	455	455	455	455	455	



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1180.7	1180.0	1177.7	1179.5	1176.1	1171.3	1170.8	1166.6	1154.1	1153.2	1149.8
5°	1321.8	1317.5	1316.9	1316.4	1308.8	1298.6	1279.2	1277.6	1251.7	1238.8	1223.1
7.5°	1504.4	1506.7	1498.8	1491.9	1468.9	1453.7	1432.8	1406.2	1374.4	1342.2	1320.7
10°	1635.5	1653.4	1631.3	1616.1	1602.1	1575.7	1545.0	1506.7	1468.5	1423.7	1389.7
12.5°	1776.2	1784.9	1780.4	1766.2	1744.5	1704.2	1649.8	1607.7	1572.4	1497.9	1467.8
15°	1967.6	2000.5	1979.5	1930.9	1932.1	1893.8	1822.6	1744.5	1703.0	1637.7	1548.8
17.5°	2171.6	2175.7	2166.8	2126.3	2099.4	2046.8	1981.1	1906.1	1822.1	1743.1	1648.8
20°	2280.3	2277.0	2258.2	2237.1	2190.8	2149.8	2078.1	1994.6	1886.7	1809.1	1706.2
22.5°	2340.7	2335.3	2326.3	2308.7	2270.2	2226.2	2161.8	2070.4	1967.9	1860.9	1741.9
25°	2335.3	2342.2	2343.4	2338.5	2325.1	2298.6	2247.9	2175.2	2072.7	1935.3	1811.3
27.5°	2123.9	2133.9	2162.7	2188.2	2216.8	2245.9	2242.0	2205.9	2130.1	2011.4	1859.8
30°	1912.6	1891.1	1944.4	2011.8	2057.6	2138.5	2183.8	2186.5	2143.9	2042.0	1894.3
32.5°	1619.4	1643.1	1666.7	1749.6	1849.7	1940.5	2030.7	2103.2	2111.6	2043.8	1914.5
35°	1258.2	1287.9	1330.9	1374.1	1481.9	1574.6	1733.1	1871.1	1981.1	1995.7	1916.4
37.5°	1013.9	1028.6	1055.8	1099.1	1169.6	1279.5	1402.2	1576.6	1735.9	1854.4	1859.6
40°	886.2	890.6	921.3	954.2	1011.3	1101.8	1212.4	1366.5	1557.4	1722.9	1791.9
42.5°	790.5	799.9	813.0	844.6	890.1	958.2	1061.0	1188.4	1363.3	1553.8	1688.8
45°	679.2	690.0	698.1	719.1	751.5	797.3	869.0	985.4	1118.6	1315.3	1497.0
47.5°	605.7	606.6	612.6	628.4	650.5	684.8	735.5	810.3	932.6	1092.2	1278.7
50°	553.1	561.7	563.9	576.2	593.5	618.9	660.9	724.5	824.8	965.0	1136.4
52.5°	516.0	518.6	524.7	533.6	548.7	568.4	604.8	654.7	733.3	852.8	1010.4
55°	461.4	461.4	467.4	474.4	483.0	500.8	525.1	561.7	621.5	714.3	844.7
57.5°	411.0	413.7	417.9	420.0	427.4	439.1	459.4	487.2	531.9	603.2	706.9
60°	377.3	382.2	381.7	386.0	392.4	401.6	418.8	441.5	481.4	538.5	625.9
62.5°	348.0	347.7	347.6	352.8	359.3	368.0	379.2	398.8	432.7	483.3	557.7
65°	299.8	298.7	302.5	305.6	307.8	314.3	322.9	340.2	362.8	400.5	458.2
67.5°	256.8	253.7	255.7	256.8	260.5	265.5	273.6	284.3	302.3	332.6	376.0
70°	227.5	224.8	224.3	225.3	228.5	232.3	238.3	248.5	265.2	289.5	321.3
72.5°	197.3	195.4	195.4	197.7	199.2	201.7	205.9	215.3	228.5	246.8	276.5
75°	154.2	154.2	154.2	154.7	156.3	158.5	161.7	166.6	176.8	189.7	209.7
77.5°	115.6	115.5	114.8	114.7	117.1	118.0	118.8	123.3	129.0	137.8	152.3
80°	90.5	87.9	89.0	90.5	91.7	92.2	93.8	94.9	99.7	104.6	114.8
82.5°	67.3	65.0	65.2	67.7	67.9	68.4	70.1	71.6	73.4	77.9	83.3
85°	35.6	35.6	36.1	36.1	36.7	36.1	37.7	38.3	38.3	41.0	44.2
87.5°	18.3	17.6	17.8	18.1	17.8	17.9	18.1	18.4	18.6	19.3	19.2
90°	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0	22.1	23.0	20.3
92.5°	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5	106.8	141.6	155.7
95°	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4	442.7	545.8	486.0
97.5°	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9	904.9	845.8	619.2
100°	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1	1053.0	871.6	589.1
102.5°	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3	1060.3	823.8	544.9
105°	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5	1004.2	740.0	490.6
107.5°	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9	905.9	666.0	456.0
110°	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8	844.0	624.0	442.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3	790.3	596.0	435.4
115°	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6	725.2	566.0	432.6
117.5°	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8	686.0	548.3	434.3
120°	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2	665.4	540.3	437.2
122.5°	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9	648.5	535.1	442.4
125°	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7	626.8	528.3	450.0
127.5°	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1	607.7	525.0	458.9
130°	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2	597.3	522.8	464.8
132.5°	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8	587.8	522.0	469.2
135°	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9	575.3	520.9	475.9
137.5°	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3	564.4	518.9	480.3
140°	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0	557.8	518.2	483.2
142.5°	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5	551.8	516.7	485.4
145°	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4	544.0	514.5	486.9
147.5°	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1	536.2	511.0	486.9
150°	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2	531.1	508.0	486.9
152.5°	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2	525.2	504.4	484.7
155°	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0	516.3	498.0	482.3
157.5°	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1	506.4	492.3	479.2
160°	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7	499.8	487.8	477.7
162.5°	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9	493.1	483.4	474.8
165°	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5	484.1	476.7	470.3
167.5°	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6	475.5	470.2	465.9
170°	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9	470.3	465.7	463.0
172.5°	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1	465.2	462.0	460.7
175°	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1	459.3	457.4	457.4
177.5°	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1	455.4	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1147.2	1143.7	1140.3	1134.2	1129.0	1121.7	1119.5	1117.0	1109.2	1102.3	1097.1
5°	1217.2	1204.3	1185.4	1168.2	1154.1	1135.3	1124.5	1113.2	1097.0	1082.4	1070.6
7.5°	1290.5	1265.1	1235.8	1204.0	1174.6	1146.1	1123.1	1102.6	1080.0	1058.5	1041.8
10°	1348.8	1312.1	1271.1	1226.9	1189.2	1152.5	1121.8	1094.9	1065.7	1040.4	1019.4
12.5°	1415.2	1360.8	1304.3	1250.6	1206.0	1155.2	1117.9	1083.6	1050.7	1020.2	996.6
15°	1493.7	1424.7	1358.0	1284.0	1216.2	1152.5	1108.3	1065.2	1026.9	995.7	965.5
17.5°	1565.4	1487.2	1399.1	1309.3	1227.3	1151.9	1090.0	1041.2	993.4	955.1	925.0
20°	1605.9	1516.9	1417.2	1324.0	1233.4	1149.3	1081.4	1023.2	971.4	931.0	897.0
22.5°	1640.8	1536.8	1433.6	1333.9	1233.0	1142.4	1065.4	1005.5	949.4	909.8	873.7
25°	1677.0	1552.5	1449.1	1332.1	1219.4	1125.6	1039.3	971.4	915.4	869.0	831.8
27.5°	1708.1	1551.5	1428.6	1302.8	1198.0	1104.0	1011.9	939.1	879.6	829.2	791.5
30°	1728.8	1553.6	1407.5	1283.0	1177.3	1080.3	990.8	917.5	855.0	803.7	768.2
32.5°	1741.8	1552.3	1388.1	1255.4	1144.5	1058.8	968.0	892.1	827.8	777.4	743.1
35°	1749.3	1542.9	1354.7	1198.3	1091.6	1008.1	932.1	853.3	786.0	739.1	700.3
37.5°	1734.2	1522.9	1315.9	1143.4	1026.5	944.2	880.3	813.3	748.8	697.1	663.7
40°	1710.5	1510.0	1285.7	1104.5	981.7	902.4	848.0	782.2	718.6	669.6	638.3
42.5°	1665.2	1483.6	1252.5	1061.4	935.1	855.8	805.7	750.8	690.5	644.5	613.2
45°	1554.7	1426.4	1202.7	996.7	866.3	784.3	740.1	700.3	645.8	601.0	574.1
47.5°	1401.4	1340.2	1130.7	928.5	794.5	715.7	669.7	637.6	597.9	561.7	535.8
50°	1294.8	1269.6	1081.9	881.9	746.6	669.6	625.3	596.2	567.7	531.6	507.8
52.5°	1172.0	1187.6	1025.0	833.6	697.9	622.1	580.5	557.4	531.4	501.8	481.1
55°	998.9	1055.5	926.7	752.6	625.3	553.1	513.7	493.2	478.2	456.1	438.2
57.5°	836.9	908.9	820.4	669.0	554.1	491.7	454.0	431.7	422.0	410.4	396.4
60°	740.7	811.8	744.5	612.9	506.2	446.9	413.4	394.6	384.9	376.8	365.0
62.5°	654.9	726.9	670.3	556.0	459.1	404.2	375.1	356.6	349.1	344.9	334.8
65°	536.9	598.9	561.2	467.4	391.9	343.4	317.0	304.0	297.1	295.4	288.9
67.5°	437.0	484.2	456.7	387.7	328.3	286.4	264.0	252.9	247.6	247.0	242.2
70°	371.5	415.7	394.6	332.1	280.8	248.0	228.5	218.9	215.6	215.1	212.4
72.5°	320.5	351.3	334.6	282.5	242.9	213.0	198.8	188.7	185.0	185.8	183.9
75°	237.2	260.4	250.6	214.5	182.8	163.3	151.5	145.0	141.8	143.4	141.2
77.5°	170.6	185.4	176.6	151.6	132.0	118.0	109.2	105.2	102.3	102.2	101.2
80°	128.8	137.4	132.6	117.5	101.3	89.5	82.5	79.8	78.2	77.6	77.1
82.5°	91.7	99.1	93.4	83.0	72.0	64.9	60.9	57.4	56.2	56.5	55.9
85°	46.3	49.0	46.9	40.4	36.1	32.9	30.7	29.1	28.0	28.6	27.5
87.5°	19.5	19.3	17.5	15.4	14.2	12.3	12.0	10.7	10.2	10.6	10.7
90°	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8	3.6	5.5	8.3
92.5°	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4	17.0	24.6	31.8
95°	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3	34.1	44.2	59.8
97.5°	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4	54.3	62.2	75.8
100°	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1	69.0	75.5	88.3
102.5°	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6	85.2	90.9	103.1
105°	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8	109.6	115.0	126.1
107.5°	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4	134.2	139.5	150.4
110°	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1	151.9	156.5	166.6



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3	168.1	172.7	182.8
115°	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7	192.3	197.9	207.1
117.5°	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1	216.3	220.9	229.3
120°	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2	231.0	235.6	244.9
122.5°	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2	245.0	249.6	259.5
125°	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3	264.2	269.7	279.8
127.5°	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6	280.4	287.2	297.5
130°	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2	289.9	298.2	309.3
132.5°	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5	298.0	307.0	320.3
135°	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4	311.1	321.2	335.0
137.5°	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6	323.4	333.4	348.1
140°	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6	332.2	341.4	356.2
142.5°	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5	340.4	350.3	363.5
145°	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7	353.4	361.7	375.5
147.5°	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0	366.7	374.8	386.7
150°	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6	375.5	382.9	394.8
152.5°	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2	384.4	391.7	402.2
155°	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5	398.5	404.1	413.3
157.5°	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0	410.7	415.1	423.2
160°	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7	418.7	422.5	429.8
162.5°	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4	425.4	428.3	434.3
165°	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4	434.4	436.3	440.8
167.5°	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9	441.8	442.7	446.2
170°	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3	445.4	446.4	449.2
172.5°	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3	449.2	449.3	451.4
175°	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8	452.8	451.9	453.8
177.5°	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4	454.7	453.9	454.7
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1094.1	1091.1	1086.8	1080.3	1075.1	1066.9	1066.9	1068.3	1068.3	1067.8	1066.9
5°	1060.9	1052.8	1043.1	1031.8	1019.9	1008.1	1005.9	1001.6	998.4	996.2	993.5
7.5°	1025.9	1011.5	997.4	981.5	967.1	955.1	946.8	939.9	935.5	930.7	927.3
10°	1002.1	984.4	967.7	950.9	932.6	918.1	908.9	902.4	897.5	893.3	891.1
12.5°	974.1	953.7	935.3	919.4	899.4	884.4	875.7	872.7	867.0	857.9	853.1
15°	933.1	914.3	892.2	867.9	858.2	839.9	829.7	824.8	821.6	814.5	812.4
17.5°	898.1	873.4	848.6	830.5	812.5	797.6	791.9	785.8	781.6	775.9	774.1
20°	870.1	848.0	825.3	805.9	787.0	770.9	766.0	761.7	757.4	754.7	752.6
22.5°	841.6	819.5	800.7	782.6	762.5	751.9	746.6	741.9	738.9	737.0	734.8
25°	801.6	782.2	761.2	745.0	728.8	721.8	718.6	715.9	713.8	711.1	710.5
27.5°	765.8	744.7	727.6	712.6	700.9	695.1	692.0	690.6	691.1	692.1	692.7
30°	739.1	719.7	705.7	692.7	681.9	676.5	676.0	676.0	678.2	678.7	679.8
32.5°	714.5	698.5	684.5	672.0	663.8	660.1	662.2	662.2	663.9	665.4	667.3
35°	678.7	664.6	653.9	643.1	636.1	637.7	638.8	639.8	642.5	645.8	648.0
37.5°	644.5	632.3	621.2	612.7	609.5	612.4	615.0	617.3	620.4	622.8	625.0
40°	620.0	610.8	600.0	592.5	593.5	595.2	597.3	600.0	602.7	604.3	606.5
42.5°	597.1	587.5	579.3	573.1	574.6	576.6	577.9	579.3	582.4	585.3	586.6
45°	562.3	554.7	547.2	543.4	544.5	545.6	546.6	548.3	551.0	553.1	553.7
47.5°	523.1	517.8	512.8	509.1	510.8	510.4	511.8	515.2	516.1	517.4	520.4
50°	498.1	493.2	487.4	486.2	486.2	486.2	486.8	491.1	491.1	493.2	495.4
52.5°	470.5	467.4	463.6	461.7	460.8	460.8	463.0	465.2	466.1	469.1	471.3
55°	429.7	426.4	423.2	421.5	420.5	421.5	425.9	426.9	429.7	431.3	432.8
57.5°	387.1	384.6	382.0	381.1	380.9	382.3	384.7	387.9	388.6	393.6	396.0
60°	359.0	355.2	353.1	353.1	352.0	356.9	355.8	361.2	362.3	365.5	369.2
62.5°	330.1	325.0	324.2	324.2	325.7	327.1	328.6	331.0	333.8	337.9	340.8
65°	283.5	280.8	284.6	284.1	283.0	286.2	286.2	288.9	292.2	296.0	301.9
67.5°	239.5	238.1	238.4	238.4	240.0	241.9	243.4	245.7	249.6	253.6	257.5
70°	209.7	211.4	208.7	210.8	212.4	212.9	214.0	217.2	221.6	224.3	228.5
72.5°	180.8	180.7	181.0	181.9	183.5	184.5	185.5	189.3	193.9	196.2	199.7
75°	139.1	138.6	140.1	140.1	142.8	143.9	145.0	146.6	150.9	154.2	156.9
77.5°	101.6	102.2	101.9	103.7	103.0	103.1	106.5	108.1	108.6	114.9	116.4
80°	76.5	77.6	78.2	78.7	79.2	78.2	81.9	83.6	83.6	87.3	90.0
82.5°	55.0	55.6	57.0	57.6	57.7	58.8	59.1	60.3	61.6	63.2	66.7
85°	27.5	29.1	29.6	29.1	29.6	28.6	30.2	30.7	31.3	31.3	31.3
87.5°	10.6	11.5	11.6	12.5	12.7	13.6	13.5	12.8	13.0	14.5	13.1
90°	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0	23.9	24.9	26.7
92.5°	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5	61.5	54.3	49.5
95°	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4	224.6	175.8	142.7
97.5°	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9	661.6	542.9	432.8
100°	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1	1010.6	902.9	772.2
102.5°	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3	1168.9	1106.1	1023.3
105°	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5	1288.6	1306.1	1282.1
107.5°	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9	1273.4	1354.1	1386.9
110°	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8	1224.2	1340.1	1404.5



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3	1159.4	1289.3	1372.1
115°	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6	1055.7	1191.0	1291.3
117.5°	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8	968.0	1089.6	1191.4
120°	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2	919.5	1029.9	1122.9
122.5°	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9	880.4	982.8	1069.1
125°	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7	832.0	920.4	994.0
127.5°	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1	789.5	869.2	936.2
130°	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2	763.0	837.6	900.2
132.5°	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8	738.0	807.4	867.0
135°	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9	702.3	762.1	814.5
137.5°	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3	667.8	719.4	764.9
140°	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0	647.9	692.1	731.7
142.5°	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5	628.8	667.1	701.6
145°	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4	603.8	633.3	659.9
147.5°	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1	585.2	609.0	627.9
150°	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2	573.4	592.7	610.2
152.5°	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2	562.4	579.5	594.1
155°	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0	546.7	560.5	571.6
157.5°	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1	531.5	542.1	550.7
160°	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7	521.9	531.1	537.5
162.5°	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9	511.6	520.0	525.7
165°	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5	497.0	503.4	508.0
167.5°	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6	485.8	489.5	492.8
170°	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9	477.7	481.3	483.2
172.5°	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1	471.0	474.0	475.1
175°	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1	462.0	463.9	463.9
177.5°	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1	456.9	457.6	457.6
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1063.9	1063.5	1066.5	1064.4	1066.5	1063.5	1063.9	1066.9	1067.8	1068.3	1068.3
5°	990.3	991.9	986.5	986.5	986.5	991.9	990.3	993.5	996.2	998.4	1001.6
7.5°	924.7	922.3	922.6	919.6	922.6	922.3	924.7	927.3	930.7	935.5	939.9
10°	884.6	881.4	880.3	880.8	880.3	881.4	884.6	891.1	893.3	897.5	902.4
12.5°	851.4	850.8	843.7	843.8	843.7	850.8	851.4	853.1	857.9	867.0	872.7
15°	812.4	802.2	801.1	804.3	801.1	802.2	812.4	812.4	814.5	821.6	824.8
17.5°	773.2	767.9	768.2	766.6	768.2	767.9	773.2	774.1	775.9	781.6	785.8
20°	752.6	749.3	748.8	745.0	748.8	749.3	752.6	752.6	754.7	757.4	761.7
22.5°	733.6	732.5	732.8	728.6	732.8	732.5	733.6	734.8	737.0	738.9	741.9
25°	710.0	712.6	710.5	710.5	710.5	712.6	710.0	710.5	711.1	713.8	715.9
27.5°	694.0	693.9	692.8	692.8	692.8	693.9	694.0	692.7	692.1	691.1	690.6
30°	681.9	681.4	682.5	682.5	682.5	681.4	681.9	679.8	678.7	678.2	676.0
32.5°	669.9	670.6	670.8	671.2	670.8	670.6	669.9	667.3	665.4	663.9	662.2
35°	651.2	651.7	653.4	652.3	653.4	651.7	651.2	648.0	645.8	642.5	639.8
37.5°	626.0	628.4	627.9	628.8	627.9	628.4	626.0	625.0	622.8	620.4	617.3
40°	607.0	608.6	608.1	608.1	608.1	608.6	607.0	606.5	604.3	602.7	600.0
42.5°	587.6	588.7	587.4	586.5	587.4	588.7	587.6	586.6	585.3	582.4	579.3
45°	555.8	554.7	556.3	554.1	556.3	554.7	555.8	553.7	553.1	551.0	548.3
47.5°	520.2	521.3	521.7	523.3	521.7	521.3	520.2	520.4	517.4	516.1	515.2
50°	496.5	499.7	499.7	499.2	499.7	499.7	496.5	495.4	493.2	491.1	491.1
52.5°	473.2	474.7	476.9	476.7	476.9	474.7	473.2	471.3	469.1	466.1	465.2
55°	437.2	438.2	439.3	439.9	439.3	438.2	437.2	432.8	431.3	429.7	426.9
57.5°	399.9	399.4	402.0	402.8	402.0	399.4	399.9	396.0	393.6	388.6	387.9
60°	373.6	373.6	377.9	379.5	377.9	373.6	373.6	369.2	365.5	362.3	361.2
62.5°	345.5	347.3	351.6	349.4	351.6	347.3	345.5	340.8	337.9	333.8	331.0
65°	304.6	308.9	308.3	310.5	308.3	308.9	304.6	301.9	296.0	292.2	288.9
67.5°	261.7	264.4	268.3	268.7	268.3	264.4	261.7	257.5	253.6	249.6	245.7
70°	232.9	235.6	237.7	239.3	237.7	235.6	232.9	228.5	224.3	221.6	217.2
72.5°	204.9	206.3	211.4	209.1	211.4	206.3	204.9	199.7	196.2	193.9	189.3
75°	160.7	164.4	167.6	166.0	167.6	164.4	160.7	156.9	154.2	150.9	146.6
77.5°	118.8	122.6	124.1	122.7	124.1	122.6	118.8	116.4	114.9	108.6	108.1
80°	93.8	93.2	96.5	95.9	96.5	93.2	93.8	90.0	87.3	83.6	83.6
82.5°	68.8	68.3	69.8	70.1	69.8	68.3	68.8	66.7	63.2	61.6	60.3
85°	33.4	35.0	32.9	32.3	32.9	35.0	33.4	31.3	31.3	31.3	30.7
87.5°	12.9	13.1	12.8	12.2	12.8	13.1	12.9	13.1	14.5	13.0	12.8
90°	25.7	26.7	27.6	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0
92.5°	47.8	45.1	46.0	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5
95°	125.2	116.9	110.4	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4
97.5°	364.9	323.4	298.6	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9
100°	679.2	612.0	576.2	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1
102.5°	950.9	897.8	867.8	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3
105°	1239.8	1204.8	1175.4	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5
107.5°	1387.6	1375.8	1365.9	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9
110°	1430.3	1437.7	1435.8	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1419.3	1442.1	1449.1	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3
115°	1360.3	1400.8	1419.3	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6
117.5°	1263.4	1309.7	1336.3	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8
120°	1195.6	1247.1	1269.2	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2
122.5°	1133.8	1180.1	1204.4	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9
125°	1053.0	1093.4	1116.4	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7
127.5°	988.7	1023.3	1044.1	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1
130°	949.0	982.1	1001.4	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2
132.5°	912.8	945.9	963.1	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8
135°	859.7	887.2	903.8	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9
137.5°	802.8	830.8	844.7	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3
140°	766.7	792.5	807.2	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0
142.5°	731.3	754.2	767.4	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5
145°	682.9	702.3	709.6	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4
147.5°	645.4	658.5	665.4	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1
150°	624.0	634.1	639.7	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2
152.5°	604.9	614.3	617.6	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2
155°	579.9	587.2	589.1	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0
157.5°	557.9	563.5	564.9	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1
160°	544.0	549.5	549.5	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7
162.5°	530.0	534.7	534.7	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9
165°	511.7	515.4	514.5	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5
167.5°	494.4	497.0	496.1	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6
170°	484.1	486.0	485.1	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9
172.5°	475.3	477.1	475.5	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1
175°	463.9	464.8	463.9	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1
177.5°	456.9	457.6	456.1	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1066.9	1066.9	1075.1	1080.3	1086.8	1091.1	1094.1	1097.1	1102.3	1109.2	1117.0
5°	1005.9	1008.1	1019.9	1031.8	1043.1	1052.8	1060.9	1070.6	1082.4	1097.0	1113.2
7.5°	946.8	955.1	967.1	981.5	997.4	1011.5	1025.9	1041.8	1058.5	1080.0	1102.6
10°	908.9	918.1	932.6	950.9	967.7	984.4	1002.1	1019.4	1040.4	1065.7	1094.9
12.5°	875.7	884.4	899.4	919.4	935.3	953.7	974.1	996.6	1020.2	1050.7	1083.6
15°	829.7	839.9	858.2	867.9	892.2	914.3	933.1	965.5	995.7	1026.9	1065.2
17.5°	791.9	797.6	812.5	830.5	848.6	873.4	898.1	925.0	955.1	993.4	1041.2
20°	766.0	770.9	787.0	805.9	825.3	848.0	870.1	897.0	931.0	971.4	1023.2
22.5°	746.6	751.9	762.5	782.6	800.7	819.5	841.6	873.7	909.8	949.4	1005.5
25°	718.6	721.8	728.8	745.0	761.2	782.2	801.6	831.8	869.0	915.4	971.4
27.5°	692.0	695.1	700.9	712.6	727.6	744.7	765.8	791.5	829.2	879.6	939.1
30°	676.0	676.5	681.9	692.7	705.7	719.7	739.1	768.2	803.7	855.0	917.5
32.5°	662.2	660.1	663.8	672.0	684.5	698.5	714.5	743.1	777.4	827.8	892.1
35°	638.8	637.7	636.1	643.1	653.9	664.6	678.7	700.3	739.1	786.0	853.3
37.5°	615.0	612.4	609.5	612.7	621.2	632.3	644.5	663.7	697.1	748.8	813.3
40°	597.3	595.2	593.5	592.5	600.0	610.8	620.0	638.3	669.6	718.6	782.2
42.5°	577.9	576.6	574.6	573.1	579.3	587.5	597.1	613.2	644.5	690.5	750.8
45°	546.6	545.6	544.5	543.4	547.2	554.7	562.3	574.1	601.0	645.8	700.3
47.5°	511.8	510.4	510.8	509.1	512.8	517.8	523.1	535.8	561.7	597.9	637.6
50°	486.8	486.2	486.2	486.2	487.4	493.2	498.1	507.8	531.6	567.7	596.2
52.5°	463.0	460.8	460.8	461.7	463.6	467.4	470.5	481.1	501.8	531.4	557.4
55°	425.9	421.5	420.5	421.5	423.2	426.4	429.7	438.2	456.1	478.2	493.2
57.5°	384.7	382.3	380.9	381.1	382.0	384.6	387.1	396.4	410.4	422.0	431.7
60°	355.8	356.9	352.0	353.1	353.1	355.2	359.0	365.0	376.8	384.9	394.6
62.5°	328.6	327.1	325.7	324.2	324.2	325.0	330.1	334.8	344.9	349.1	356.6
65°	286.2	286.2	283.0	284.1	284.6	280.8	283.5	288.9	295.4	297.1	304.0
67.5°	243.4	241.9	240.0	238.4	238.4	238.1	239.5	242.2	247.0	247.6	252.9
70°	214.0	212.9	212.4	210.8	208.7	211.4	209.7	212.4	215.1	215.6	218.9
72.5°	185.5	184.5	183.5	181.9	181.0	180.7	180.8	183.9	185.8	185.0	188.7
75°	145.0	143.9	142.8	140.1	140.1	138.6	139.1	141.2	143.4	141.8	145.0
77.5°	106.5	103.1	103.0	103.7	101.9	102.2	101.6	101.2	102.2	102.3	105.2
80°	81.9	78.2	79.2	78.7	78.2	77.6	76.5	77.1	77.6	78.2	79.8
82.5°	59.1	58.8	57.7	57.6	57.0	55.6	55.0	55.9	56.5	56.2	57.4
85°	30.2	28.6	29.6	29.1	29.6	29.1	27.5	27.5	28.6	28.0	29.1
87.5°	13.5	13.6	12.7	12.5	11.6	11.5	10.6	10.7	10.6	10.2	10.7
90°	22.1	23.0	20.3	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8
92.5°	106.8	141.6	155.7	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4
95°	442.7	545.8	486.0	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3
97.5°	904.9	845.8	619.2	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4
100°	1053.0	871.6	589.1	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1
102.5°	1060.3	823.8	544.9	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6
105°	1004.2	740.0	490.6	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8
107.5°	905.9	666.0	456.0	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4
110°	844.0	624.0	442.7	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	790.3	596.0	435.4	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3
115°	725.2	566.0	432.6	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7
117.5°	686.0	548.3	434.3	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1
120°	665.4	540.3	437.2	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2
122.5°	648.5	535.1	442.4	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2
125°	626.8	528.3	450.0	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3
127.5°	607.7	525.0	458.9	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6
130°	597.3	522.8	464.8	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2
132.5°	587.8	522.0	469.2	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5
135°	575.3	520.9	475.9	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4
137.5°	564.4	518.9	480.3	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6
140°	557.8	518.2	483.2	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6
142.5°	551.8	516.7	485.4	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5
145°	544.0	514.5	486.9	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7
147.5°	536.2	511.0	486.9	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0
150°	531.1	508.0	486.9	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6
152.5°	525.2	504.4	484.7	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2
155°	516.3	498.0	482.3	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5
157.5°	506.4	492.3	479.2	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0
160°	499.8	487.8	477.7	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7
162.5°	493.1	483.4	474.8	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4
165°	484.1	476.7	470.3	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4
167.5°	475.5	470.2	465.9	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9
170°	470.3	465.7	463.0	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3
172.5°	465.2	462.0	460.7	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3
175°	459.3	457.4	457.4	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8
177.5°	455.4	454.7	455.4	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1119.5	1121.7	1129.0	1134.2	1140.3	1143.7	1147.2	1149.8	1153.2	1154.1	1166.6
5°	1124.5	1135.3	1154.1	1168.2	1185.4	1204.3	1217.2	1223.1	1238.8	1251.7	1277.6
7.5°	1123.1	1146.1	1174.6	1204.0	1235.8	1265.1	1290.5	1320.7	1342.2	1374.4	1406.2
10°	1121.8	1152.5	1189.2	1226.9	1271.1	1312.1	1348.8	1389.7	1423.7	1468.5	1506.7
12.5°	1117.9	1155.2	1206.0	1250.6	1304.3	1360.8	1415.2	1467.8	1497.9	1572.4	1607.7
15°	1108.3	1152.5	1216.2	1284.0	1358.0	1424.7	1493.7	1548.8	1637.7	1703.0	1744.5
17.5°	1090.0	1151.9	1227.3	1309.3	1399.1	1487.2	1565.4	1648.8	1743.1	1822.1	1906.1
20°	1081.4	1149.3	1233.4	1324.0	1417.2	1516.9	1605.9	1706.2	1809.1	1886.7	1994.6
22.5°	1065.4	1142.4	1233.0	1333.9	1433.6	1536.8	1640.8	1741.9	1860.9	1967.9	2070.4
25°	1039.3	1125.6	1219.4	1332.1	1449.1	1552.5	1677.0	1811.3	1935.3	2072.7	2175.2
27.5°	1011.9	1104.0	1198.0	1302.8	1428.6	1551.5	1708.1	1859.8	2011.4	2130.1	2205.9
30°	990.8	1080.3	1177.3	1283.0	1407.5	1553.6	1728.8	1894.3	2042.0	2143.9	2186.5
32.5°	968.0	1058.8	1144.5	1255.4	1388.1	1552.3	1741.8	1914.5	2043.8	2111.6	2103.2
35°	932.1	1008.1	1091.6	1198.3	1354.7	1542.9	1749.3	1916.4	1995.7	1981.1	1871.1
37.5°	880.3	944.2	1026.5	1143.4	1315.9	1522.9	1734.2	1859.6	1854.4	1735.9	1576.6
40°	848.0	902.4	981.7	1104.5	1285.7	1510.0	1710.5	1791.9	1722.9	1557.4	1366.5
42.5°	805.7	855.8	935.1	1061.4	1252.5	1483.6	1665.2	1688.8	1553.8	1363.3	1188.4
45°	740.1	784.3	866.3	996.7	1202.7	1426.4	1554.7	1497.0	1315.3	1118.6	985.4
47.5°	669.7	715.7	794.5	928.5	1130.7	1340.2	1401.4	1278.7	1092.2	932.6	810.3
50°	625.3	669.6	746.6	881.9	1081.9	1269.6	1294.8	1136.4	965.0	824.8	724.5
52.5°	580.5	622.1	697.9	833.6	1025.0	1187.6	1172.0	1010.4	852.8	733.3	654.7
55°	513.7	553.1	625.3	752.6	926.7	1055.5	998.9	844.7	714.3	621.5	561.7
57.5°	454.0	491.7	554.1	669.0	820.4	908.9	836.9	706.9	603.2	531.9	487.2
60°	413.4	446.9	506.2	612.9	744.5	811.8	740.7	625.9	538.5	481.4	441.5
62.5°	375.1	404.2	459.1	556.0	670.3	726.9	654.9	557.7	483.3	432.7	398.8
65°	317.0	343.4	391.9	467.4	561.2	598.9	536.9	458.2	400.5	362.8	340.2
67.5°	264.0	286.4	328.3	387.7	456.7	484.2	437.0	376.0	332.6	302.3	284.3
70°	228.5	248.0	280.8	332.1	394.6	415.7	371.5	321.3	289.5	265.2	248.5
72.5°	198.8	213.0	242.9	282.5	334.6	351.3	320.5	276.5	246.8	228.5	215.3
75°	151.5	163.3	182.8	214.5	250.6	260.4	237.2	209.7	189.7	176.8	166.6
77.5°	109.2	118.0	132.0	151.6	176.6	185.4	170.6	152.3	137.8	129.0	123.3
80°	82.5	89.5	101.3	117.5	132.6	137.4	128.8	114.8	104.6	99.7	94.9
82.5°	60.9	64.9	72.0	83.0	93.4	99.1	91.7	83.3	77.9	73.4	71.6
85°	30.7	32.9	36.1	40.4	46.9	49.0	46.3	44.2	41.0	38.3	38.3
87.5°	12.0	12.3	14.2	15.4	17.5	19.3	19.5	19.2	19.3	18.6	18.4
90°	3.6	5.5	8.3	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0
92.5°	17.0	24.6	31.8	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5
95°	34.1	44.2	59.8	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4
97.5°	54.3	62.2	75.8	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9
100°	69.0	75.5	88.3	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1
102.5°	85.2	90.9	103.1	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3
105°	109.6	115.0	126.1	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5
107.5°	134.2	139.5	150.4	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9
110°	151.9	156.5	166.6	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	172.7	182.8	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3
115°	192.3	197.9	207.1	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6
117.5°	216.3	220.9	229.3	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8
120°	231.0	235.6	244.9	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2
122.5°	245.0	249.6	259.5	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9
125°	264.2	269.7	279.8	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7
127.5°	280.4	287.2	297.5	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1
130°	289.9	298.2	309.3	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2
132.5°	298.0	307.0	320.3	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8
135°	311.1	321.2	335.0	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9
137.5°	323.4	333.4	348.1	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3
140°	332.2	341.4	356.2	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0
142.5°	340.4	350.3	363.5	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5
145°	353.4	361.7	375.5	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4
147.5°	366.7	374.8	386.7	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1
150°	375.5	382.9	394.8	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2
152.5°	384.4	391.7	402.2	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2
155°	398.5	404.1	413.3	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0
157.5°	410.7	415.1	423.2	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1
160°	418.7	422.5	429.8	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7
162.5°	425.4	428.3	434.3	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9
165°	434.4	436.3	440.8	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5
167.5°	441.8	442.7	446.2	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6
170°	445.4	446.4	449.2	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9
172.5°	449.2	449.3	451.4	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1
175°	452.8	451.9	453.8	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1
177.5°	454.7	453.9	454.7	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1170.8	1171.3	1176.1	1179.5	1177.7	1180.0	1180.7
5°	1279.2	1298.6	1308.8	1316.4	1316.9	1317.5	1321.8
7.5°	1432.8	1453.7	1468.9	1491.9	1498.8	1506.7	1504.4
10°	1545.0	1575.7	1602.1	1616.1	1631.3	1653.4	1635.5
12.5°	1649.8	1704.2	1744.5	1766.2	1780.4	1784.9	1776.2
15°	1822.6	1893.8	1932.1	1930.9	1979.5	2000.5	1967.6
17.5°	1981.1	2046.8	2099.4	2126.3	2166.8	2175.7	2171.6
20°	2078.1	2149.8	2190.8	2237.1	2258.2	2277.0	2280.3
22.5°	2161.8	2226.2	2270.2	2308.7	2326.3	2335.3	2340.7
25°	2247.9	2298.6	2325.1	2338.5	2343.4	2342.2	2335.3
27.5°	2242.0	2245.9	2216.8	2188.2	2162.7	2133.9	2123.9
30°	2183.8	2138.5	2057.6	2011.8	1944.4	1891.1	1912.6
32.5°	2030.7	1940.5	1849.7	1749.6	1666.7	1643.1	1619.4
35°	1733.1	1574.6	1481.9	1374.1	1330.9	1287.9	1258.2
37.5°	1402.2	1279.5	1169.6	1099.1	1055.8	1028.6	1013.9
40°	1212.4	1101.8	1011.3	954.2	921.3	890.6	886.2
42.5°	1061.0	958.2	890.1	844.6	813.0	799.9	790.5
45°	869.0	797.3	751.5	719.1	698.1	690.0	679.2
47.5°	735.5	684.8	650.5	628.4	612.6	606.6	605.7
50°	660.9	618.9	593.5	576.2	563.9	561.7	553.1
52.5°	604.8	568.4	548.7	533.6	524.7	518.6	516.0
55°	525.1	500.8	483.0	474.4	467.4	461.4	461.4
57.5°	459.4	439.1	427.4	420.0	417.9	413.7	411.0
60°	418.8	401.6	392.4	386.0	381.7	382.2	377.3
62.5°	379.2	368.0	359.3	352.8	347.6	347.7	348.0
65°	322.9	314.3	307.8	305.6	302.5	298.7	299.8
67.5°	273.6	265.5	260.5	256.8	255.7	253.7	256.8
70°	238.3	232.3	228.5	225.3	224.3	224.8	227.5
72.5°	205.9	201.7	199.2	197.7	195.4	195.4	197.3
75°	161.7	158.5	156.3	154.7	154.2	154.2	154.2
77.5°	118.8	118.0	117.1	114.7	114.8	115.5	115.6
80°	93.8	92.2	91.7	90.5	89.0	87.9	90.5
82.5°	70.1	68.4	67.9	67.7	65.2	65.0	67.3
85°	37.7	36.1	36.7	36.1	36.1	35.6	35.6
87.5°	18.1	17.9	17.8	18.1	17.8	17.6	18.3
90°	23.9	24.9	26.7	25.7	26.7	27.6	26.7
92.5°	61.5	54.3	49.5	47.8	45.1	46.0	44.4
95°	224.6	175.8	142.7	125.2	116.9	110.4	106.8
97.5°	661.6	542.9	432.8	364.9	323.4	298.6	290.7
100°	1010.6	902.9	772.2	679.2	612.0	576.2	577.1
102.5°	1168.9	1106.1	1023.3	950.9	897.8	867.8	846.6
105°	1288.6	1306.1	1282.1	1239.8	1204.8	1175.4	1170.8
107.5°	1273.4	1354.1	1386.9	1387.6	1375.8	1365.9	1357.4
110°	1224.2	1340.1	1404.5	1430.3	1437.7	1435.8	1434.0



TEST NUMBER: P332038-927

CATALOG NUMBER: S123DIP-S1000D1195U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1159.4	1289.3	1372.1	1419.3	1442.1	1449.1	1449.5
115°	1055.7	1191.0	1291.3	1360.3	1400.8	1419.3	1423.9
117.5°	968.0	1089.6	1191.4	1263.4	1309.7	1336.3	1342.5
120°	919.5	1029.9	1122.9	1195.6	1247.1	1269.2	1274.8
122.5°	880.4	982.8	1069.1	1133.8	1180.1	1204.4	1211.4
125°	832.0	920.4	994.0	1053.0	1093.4	1116.4	1122.9
127.5°	789.5	869.2	936.2	988.7	1023.3	1044.1	1050.0
130°	763.0	837.6	900.2	949.0	982.1	1001.4	1008.8
132.5°	738.0	807.4	867.0	912.8	945.9	963.1	968.3
135°	702.3	762.1	814.5	859.7	887.2	903.8	910.3
137.5°	667.8	719.4	764.9	802.8	830.8	844.7	849.0
140°	647.9	692.1	731.7	766.7	792.5	807.2	806.3
142.5°	628.8	667.1	701.6	731.3	754.2	767.4	766.5
145°	603.8	633.3	659.9	682.9	702.3	709.6	711.5
147.5°	585.2	609.0	627.9	645.4	658.5	665.4	666.1
150°	573.4	592.7	610.2	624.0	634.1	639.7	639.7
152.5°	562.4	579.5	594.1	604.9	614.3	617.6	617.6
155°	546.7	560.5	571.6	579.9	587.2	589.1	589.9
157.5°	531.5	542.1	550.7	557.9	563.5	564.9	564.7
160°	521.9	531.1	537.5	544.0	549.5	549.5	548.6
162.5°	511.6	520.0	525.7	530.0	534.7	534.7	533.9
165°	497.0	503.4	508.0	511.7	515.4	514.5	514.5
167.5°	485.8	489.5	492.8	494.4	497.0	496.1	496.1
170°	477.7	481.3	483.2	484.1	486.0	485.1	485.1
172.5°	471.0	474.0	475.1	475.3	477.1	475.5	474.8
175°	462.0	463.9	463.9	463.9	464.8	463.9	463.0
177.5°	456.9	457.6	457.6	456.9	457.6	456.1	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7

(END OF REPORT)