

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: P331993

Luminaire Tested: **S123DIP-S775D1195U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331993
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-S775D1195U835-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 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: 7583.9 lumens
Efficiency: N/A
Efficacy: 133.3 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

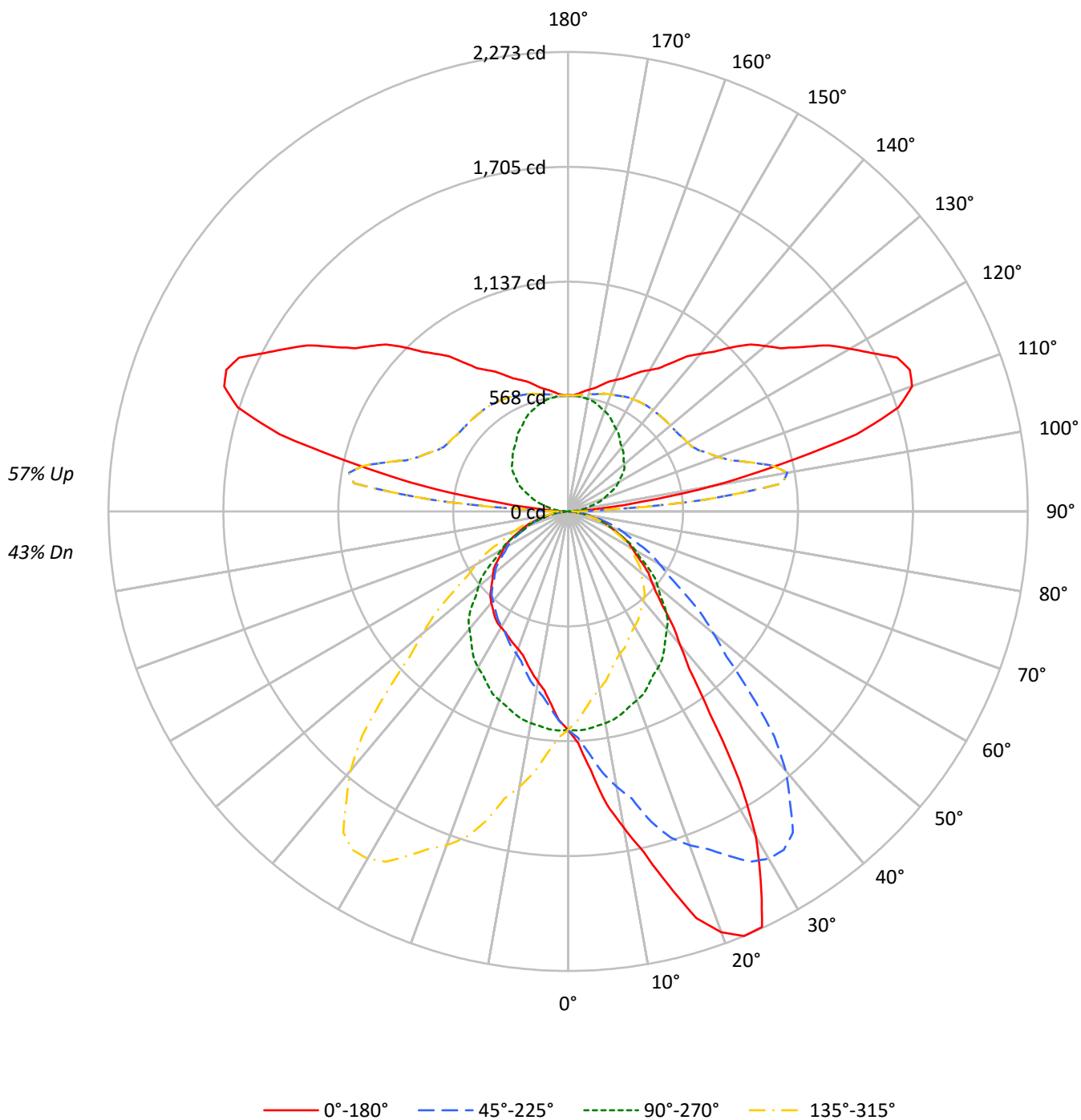
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50
1	96	92	89	85	88	85	81	78	70	68	66	57	55	54	44	43	42
2	88	81	75	70	80	74	69	65	62	58	55	50	47	45	39	38	36
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31
4	74	63	55	49	67	58	51	46	48	43	39	40	36	33	31	29	27
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	28	26	23
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21
7	58	45	38	32	52	42	35	30	35	30	26	29	25	22	23	21	18
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	16
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11630	11630	11630	11630
5°	13870	11681	10351	11681
10°	17361	11622	9349	11622
15°	21293	11528	8704	11528
20°	25366	11381	8287	11381
25°	26935	11204	8195	11204
30°	23086	11074	8238	11074
35°	16056	10889	8324	10889
40°	12094	10673	8297	10673
45°	10041	10353	8193	10353
50°	8994	9696	8118	9696
55°	8409	8989	8017	8989
60°	7890	8249	7935	8249
65°	7414	7521	7679	7521
70°	6952	6688	7314	6688
75°	6226	5856	6704	5856
80°	5455	4804	5777	4804
85°	4273	3495	3878	3495

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.4
10°-20°	341.3	4.5
20°-30°	572.8	7.6
30°-40°	648.6	8.6
40°-50°	581.7	7.7
50°-60°	469.4	6.2
60°-70°	327.1	4.3
70°-80°	171.9	2.3
80°-90°	46.5	0.6
90°-100°	319.4	4.2
100°-110°	904.4	11.9
110°-120°	889.7	11.7
120°-130°	709.7	9.4
130°-140°	559.5	7.4
140°-150°	417.6	5.5
150°-160°	291.1	3.8
160°-170°	171.0	2.3
170°-180°	55.6	0.7
0°-30°	1020.6	13.5
0°-40°	1669.2	22.0
0°-60°	2720.2	35.9
0°-90°	3265.7	43.1
90°-120°	2113.6	27.9
90°-150°	3800.4	50.1
90°-180°	4318.0	56.9
0°-180°	7583.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1080	1080	1080	1080	1080	
5°	1284	1081	958	1081	1284	133
15°	1911	1034	781	1034	1911	552
25°	2268	943	690	943	2268	995
35°	1222	829	634	829	1222	794
45°	660	680	538	680	660	522
55°	448	479	427	479	448	402
65°	291	295	302	295	291	290
75°	150	141	161	141	150	160
85°	35	28	31	28	35	42
90°	34	2	34	2	34	20
95°	135	40	135	40	135	243
105°	1478	135	1478	135	1478	1458
115°	1797	238	1797	238	1797	1746
125°	1418	331	1418	331	1418	1285
135°	1149	388	1149	388	1149	891
145°	898	443	898	443	898	571
155°	745	503	745	503	745	347
165°	650	550	650	550	650	186
175°	584	573	584	573	584	57
180°	574	574	574	574	574	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1146.7	1145.9	1143.8	1145.5	1142.1	1137.5	1137.1	1132.9	1120.7	1119.9	1116.6
5°	1283.7	1279.5	1279.0	1278.4	1271.1	1261.2	1242.3	1240.7	1215.6	1203.0	1187.9
7.5°	1461.0	1463.2	1455.6	1448.9	1426.5	1411.7	1391.5	1365.6	1334.8	1303.5	1282.6
10°	1588.4	1605.6	1584.2	1569.5	1555.9	1530.2	1500.4	1463.2	1426.1	1382.6	1349.6
12.5°	1724.9	1733.4	1729.1	1715.3	1694.1	1655.1	1602.2	1561.2	1527.0	1454.6	1425.4
15°	1910.8	1942.8	1922.4	1875.2	1876.3	1839.1	1770.0	1694.1	1653.8	1590.4	1504.1
17.5°	2108.9	2112.9	2104.2	2065.0	2038.8	1987.7	1923.9	1851.2	1769.5	1692.8	1601.2
20°	2214.5	2211.3	2193.0	2172.6	2127.6	2087.8	2018.2	1937.0	1832.3	1756.9	1656.9
22.5°	2273.1	2267.9	2259.2	2242.1	2204.6	2161.9	2099.4	2010.7	1911.1	1807.2	1691.7
25°	2267.9	2274.7	2275.7	2271.0	2257.9	2232.3	2183.1	2112.4	2012.9	1879.4	1759.0
27.5°	2062.7	2072.3	2100.3	2125.1	2152.8	2181.1	2177.3	2142.2	2068.6	1953.4	1806.1
30°	1857.4	1836.5	1888.3	1953.8	1998.3	2076.8	2120.8	2123.4	2082.0	1983.1	1839.6
32.5°	1572.6	1595.7	1618.6	1699.1	1796.4	1884.6	1972.1	2042.6	2050.6	1984.8	1859.3
35°	1221.9	1250.7	1292.6	1334.4	1439.2	1529.2	1683.1	1817.1	1923.9	1938.1	1861.1
37.5°	984.6	998.9	1025.4	1067.3	1135.8	1242.6	1361.7	1531.1	1685.8	1800.9	1805.9
40°	860.7	864.9	894.7	926.6	982.1	1070.1	1177.4	1327.1	1512.4	1673.2	1740.2
42.5°	767.7	776.9	789.6	820.2	864.4	930.6	1030.4	1154.1	1324.0	1509.0	1640.1
45°	659.6	670.1	678.0	698.4	729.8	774.3	843.9	957.0	1086.3	1277.4	1453.8
47.5°	588.2	589.1	594.9	610.3	631.7	665.1	714.3	787.0	905.7	1060.6	1241.8
50°	537.1	545.5	547.6	559.6	576.4	601.0	641.8	703.6	801.0	937.1	1103.6
52.5°	501.1	503.6	509.5	518.2	532.8	552.0	587.4	635.8	712.2	828.2	981.3
55°	448.1	448.1	453.9	460.7	469.1	486.3	509.9	545.5	603.6	693.7	820.4
57.5°	399.1	401.7	405.8	407.9	415.0	426.5	446.1	473.2	516.5	585.8	686.5
60°	366.5	371.2	370.7	374.8	381.1	390.0	406.8	428.8	467.5	523.0	607.8
62.5°	338.0	337.7	337.6	342.6	348.9	357.4	368.2	387.3	420.2	469.4	541.6
65°	291.1	290.0	293.7	296.8	298.9	305.2	313.6	330.3	352.3	389.0	445.0
67.5°	249.4	246.4	248.4	249.4	253.0	257.9	265.7	276.1	293.6	323.0	365.2
70°	220.9	218.3	217.8	218.8	222.0	225.6	231.4	241.3	257.6	281.1	312.0
72.5°	191.6	189.8	189.7	192.0	193.5	195.9	200.0	209.1	222.0	239.7	268.5
75°	149.7	149.7	149.7	150.2	151.8	153.9	157.1	161.8	171.7	184.3	203.6
77.5°	112.2	112.1	111.5	111.4	113.7	114.7	115.4	119.8	125.3	133.8	147.9
80°	88.0	85.3	86.4	88.0	89.0	89.5	91.1	92.1	96.9	101.6	111.5
82.5°	65.3	63.1	63.3	65.8	66.0	66.5	68.1	69.5	71.3	75.6	80.9
85°	34.6	34.6	35.1	35.1	35.6	35.1	36.6	37.2	37.2	39.8	42.9
87.5°	19.3	18.7	18.9	19.1	18.9	18.8	19.0	19.2	19.4	20.0	19.8
90°	33.7	34.9	33.7	32.5	33.7	31.4	30.2	29.0	27.9	29.0	25.6
92.5°	56.0	58.1	56.9	60.4	62.5	68.5	77.6	97.8	134.8	178.7	196.6
95°	134.8	139.4	147.6	158.0	180.1	221.9	283.5	418.3	558.8	689.0	613.5
97.5°	366.9	376.9	408.3	460.6	546.3	685.3	835.1	1042.6	1142.3	1067.7	781.7
100°	728.5	727.3	772.6	857.4	974.8	1139.8	1275.7	1369.8	1329.2	1100.3	743.6
102.5°	1068.7	1095.4	1133.3	1200.4	1291.7	1396.3	1475.5	1478.6	1338.4	1039.9	687.8
105°	1477.9	1483.7	1520.9	1565.0	1618.5	1648.7	1626.6	1510.4	1267.6	934.1	619.3
107.5°	1713.5	1724.2	1736.7	1751.6	1750.7	1709.3	1607.5	1418.8	1143.5	840.7	575.6
110°	1810.2	1812.5	1814.8	1805.5	1773.0	1691.7	1545.3	1331.5	1065.4	787.7	558.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1829.7	1829.2	1820.4	1791.6	1732.1	1627.5	1463.5	1245.0	997.6	752.4	549.6
115°	1797.4	1791.6	1768.3	1717.2	1630.1	1503.4	1332.6	1130.5	915.5	714.5	546.1
117.5°	1694.7	1686.8	1653.3	1594.8	1503.9	1375.4	1222.0	1047.5	866.0	692.2	548.2
120°	1609.2	1602.2	1574.3	1509.2	1417.5	1300.1	1160.7	1003.8	840.0	682.0	551.9
122.5°	1529.2	1520.4	1489.7	1431.2	1349.6	1240.6	1111.4	969.4	818.6	675.5	558.4
125°	1417.5	1409.3	1380.3	1329.2	1254.8	1161.8	1050.3	923.7	791.2	666.9	568.1
127.5°	1325.4	1318.0	1291.7	1248.1	1181.8	1097.2	996.6	883.7	767.1	662.7	579.3
130°	1273.4	1264.1	1239.7	1197.9	1136.3	1057.3	963.2	858.6	754.0	659.9	586.7
132.5°	1222.3	1215.8	1194.1	1152.3	1094.5	1019.2	931.6	835.4	742.0	659.0	592.3
135°	1149.1	1140.9	1120.0	1085.2	1028.2	962.0	886.5	804.0	726.2	657.6	600.7
137.5°	1071.7	1066.3	1048.7	1013.4	965.5	908.1	843.0	775.4	712.4	655.0	606.3
140°	1017.8	1018.9	1000.4	967.8	923.7	873.7	817.9	758.7	704.1	654.1	610.0
142.5°	967.6	968.7	952.0	923.2	885.6	842.1	793.8	742.9	696.6	652.3	612.8
145°	898.1	895.8	886.5	862.1	833.0	799.4	762.2	723.8	686.7	649.5	614.6
147.5°	840.9	840.0	831.2	814.7	792.6	768.7	738.7	708.3	676.9	645.1	614.6
150°	807.5	807.5	800.5	787.7	770.3	748.2	723.8	697.1	670.4	641.3	614.6
152.5°	779.6	779.6	775.4	763.6	749.9	731.5	709.9	686.9	663.0	636.7	611.8
155°	744.7	743.6	741.3	732.0	721.5	707.6	690.1	671.5	651.8	628.6	608.8
157.5°	712.9	713.1	711.3	704.3	695.2	684.3	670.9	655.3	639.2	621.4	604.9
160°	692.5	693.6	693.6	686.7	678.5	670.4	658.8	646.0	630.9	615.8	603.0
162.5°	673.9	675.0	675.0	669.0	663.6	656.4	645.8	634.8	622.5	610.2	599.3
165°	649.5	649.5	650.6	646.0	641.3	635.5	627.4	620.4	611.1	601.8	593.7
167.5°	626.2	626.2	627.4	624.1	622.1	617.9	613.2	607.9	600.2	593.5	588.1
170°	612.3	612.3	613.5	611.1	610.0	607.6	603.0	599.5	593.7	587.9	584.4
172.5°	599.3	600.2	602.3	600.0	599.7	598.4	594.6	592.1	587.2	583.2	581.6
175°	584.4	585.6	586.7	585.6	585.6	585.6	583.2	582.1	579.8	577.4	577.4
177.5°	575.8	575.8	577.7	576.7	577.7	577.7	576.7	575.8	574.9	574.0	574.9
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1114.0	1110.7	1107.3	1101.5	1096.5	1089.3	1087.2	1084.7	1077.2	1070.5	1065.5
5°	1182.1	1169.5	1151.2	1134.5	1120.9	1102.5	1092.1	1081.1	1065.4	1051.2	1039.7
7.5°	1253.3	1228.6	1200.1	1169.3	1140.6	1113.0	1090.7	1070.8	1048.8	1028.0	1011.8
10°	1309.8	1274.2	1234.5	1191.5	1154.9	1119.3	1089.4	1063.3	1035.0	1010.4	990.0
12.5°	1374.3	1321.6	1266.7	1214.6	1171.2	1121.8	1085.7	1052.4	1020.3	990.7	967.8
15°	1450.7	1383.7	1318.7	1247.0	1181.1	1119.3	1076.4	1034.5	997.3	966.9	937.6
17.5°	1520.2	1444.3	1358.7	1271.5	1191.9	1118.7	1058.6	1011.2	964.7	927.6	898.4
20°	1559.6	1473.2	1376.3	1285.8	1197.8	1116.1	1050.2	993.6	943.4	904.1	871.1
22.5°	1593.5	1492.4	1392.2	1295.4	1197.4	1109.4	1034.7	976.5	922.0	883.6	848.5
25°	1628.7	1507.7	1407.2	1293.6	1184.2	1093.1	1009.3	943.4	888.9	843.9	807.8
27.5°	1658.8	1506.7	1387.4	1265.2	1163.5	1072.2	982.7	912.0	854.2	805.3	768.6
30°	1678.9	1508.8	1366.9	1246.0	1143.4	1049.1	962.2	891.0	830.3	780.6	746.0
32.5°	1691.5	1507.5	1348.1	1219.2	1111.5	1028.2	940.0	866.3	803.9	755.0	721.7
35°	1698.8	1498.3	1315.6	1163.8	1060.1	979.0	905.2	828.7	763.3	717.7	680.1
37.5°	1684.2	1478.9	1277.9	1110.4	996.9	917.0	854.9	789.8	727.2	677.0	644.6
40°	1661.1	1466.4	1248.6	1072.7	953.3	876.4	823.5	759.6	697.8	650.2	619.8
42.5°	1617.1	1440.8	1216.3	1030.8	908.1	831.1	782.5	729.1	670.6	625.9	595.6
45°	1509.8	1385.2	1168.0	968.0	841.3	761.7	718.8	680.1	627.2	583.7	557.5
47.5°	1360.9	1301.6	1098.0	901.7	771.6	695.0	650.4	619.2	580.6	545.5	520.4
50°	1257.5	1232.9	1050.7	856.5	725.1	650.2	607.3	579.0	551.3	516.2	493.2
52.5°	1138.1	1153.3	995.4	809.6	677.7	604.1	563.7	541.3	516.1	487.3	467.2
55°	970.1	1025.0	899.9	730.8	607.3	537.1	498.9	479.0	464.4	442.9	425.6
57.5°	812.7	882.7	796.7	649.7	538.1	477.6	440.9	419.2	409.8	398.6	385.0
60°	719.3	788.4	723.0	595.2	491.6	434.0	401.5	383.2	373.8	365.9	354.4
62.5°	636.0	705.9	650.9	540.0	445.9	392.5	364.3	346.4	339.0	334.9	325.1
65°	521.4	581.6	545.0	453.9	380.6	333.5	307.8	295.3	288.5	286.9	280.6
67.5°	424.4	470.2	443.5	376.5	318.8	278.1	256.3	245.6	240.4	239.9	235.2
70°	360.7	403.6	383.2	322.5	272.8	240.8	222.0	212.5	209.4	208.9	206.3
72.5°	311.3	341.2	325.0	274.3	235.9	206.9	193.1	183.2	179.7	180.4	178.6
75°	230.3	252.9	243.4	208.4	177.5	158.6	147.1	140.8	137.7	139.3	137.2
77.5°	165.7	180.0	171.5	147.2	128.2	114.5	106.1	102.2	99.4	99.3	98.3
80°	125.1	133.5	128.8	114.1	98.4	86.9	80.1	77.5	75.9	75.4	74.9
82.5°	89.1	96.2	90.7	80.6	69.9	63.0	59.2	55.7	54.6	54.9	54.3
85°	45.0	47.6	45.5	39.3	35.1	31.9	29.8	28.3	27.2	27.7	26.7
87.5°	19.9	19.6	17.7	15.5	14.2	12.3	11.8	10.5	10.1	10.6	10.9
90°	22.1	18.6	15.1	12.8	10.5	7.0	4.6	2.3	4.6	7.0	10.5
92.5°	147.6	97.6	67.2	50.0	40.2	31.1	21.4	14.4	21.4	31.1	40.2
95°	422.9	249.8	151.0	105.7	75.5	55.8	43.0	39.5	43.0	55.8	75.5
97.5°	464.0	268.9	174.5	125.5	95.7	78.5	68.5	67.4	68.5	78.5	95.7
100°	438.0	266.1	184.7	139.4	111.5	95.3	87.1	86.0	87.1	95.3	111.5
102.5°	415.7	269.8	196.8	155.2	130.1	114.8	107.6	105.5	107.6	114.8	130.1
105°	399.7	280.0	217.3	181.2	159.2	145.2	138.3	134.8	138.3	145.2	159.2
107.5°	398.5	299.1	244.0	210.5	189.8	176.1	169.4	165.9	169.4	176.1	189.8
110°	403.2	314.9	262.6	230.0	210.3	197.5	191.7	188.2	191.7	197.5	210.3

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	412.5	330.7	282.1	250.5	230.7	218.0	212.2	208.7	212.2	218.0	230.7
115°	427.6	356.7	312.5	281.2	261.4	249.8	242.8	238.2	242.8	249.8	261.4
117.5°	447.5	384.3	340.7	311.6	289.5	278.8	273.0	267.7	273.0	278.8	289.5
120°	462.4	402.0	360.2	331.1	309.1	297.4	291.6	288.1	291.6	297.4	309.1
122.5°	476.4	420.6	379.7	348.8	327.6	315.1	309.3	305.8	309.3	315.1	327.6
125°	498.4	447.3	406.6	375.3	353.2	340.4	333.5	331.1	333.5	340.4	353.2
127.5°	516.6	470.5	431.3	399.9	375.5	362.5	353.9	350.4	353.9	362.5	375.5
130°	528.6	484.5	446.1	414.8	390.4	376.4	366.0	362.5	366.0	376.4	390.4
132.5°	539.8	496.6	459.2	428.7	404.3	387.6	376.2	371.8	376.2	387.6	404.3
135°	554.2	514.7	478.7	447.3	422.9	405.5	392.7	388.1	392.7	405.5	422.9
137.5°	564.9	527.2	492.6	463.6	439.4	420.8	408.3	403.4	408.3	420.8	439.4
140°	570.5	535.6	501.9	472.9	449.6	431.0	419.4	413.6	419.4	431.0	449.6
142.5°	576.0	542.1	509.4	482.2	458.9	442.2	429.7	424.8	429.7	442.2	458.9
145°	582.1	550.7	520.5	493.8	474.0	456.6	446.1	442.7	446.1	456.6	474.0
147.5°	585.8	557.7	530.0	507.3	488.2	473.1	462.9	460.8	462.9	473.1	488.2
150°	586.7	562.3	535.6	514.7	498.4	483.3	474.0	472.9	474.0	483.3	498.4
152.5°	588.6	565.1	542.1	522.1	507.7	494.5	485.2	485.0	485.2	494.5	507.7
155°	589.1	570.5	550.7	534.4	521.7	510.1	503.1	503.1	503.1	510.1	521.7
157.5°	590.2	573.5	557.7	545.1	534.2	524.0	518.4	517.5	518.4	524.0	534.2
160°	590.2	576.3	562.3	550.7	542.6	533.3	528.6	528.6	528.6	533.3	542.6
162.5°	589.3	577.2	565.1	555.4	548.2	540.7	537.0	537.0	537.0	540.7	548.2
165°	586.7	578.6	569.3	561.2	556.5	550.7	548.4	549.6	548.4	550.7	556.5
167.5°	584.9	578.4	571.6	566.5	563.3	558.8	557.7	559.1	557.7	558.8	563.3
170°	582.1	577.4	571.6	569.3	567.0	563.5	562.3	564.7	562.3	563.5	567.0
172.5°	581.2	577.4	572.6	571.2	569.8	567.2	567.0	568.4	567.0	567.2	569.8
175°	578.6	576.3	574.0	572.8	572.8	570.5	571.6	572.8	571.6	570.5	572.8
177.5°	576.7	574.9	574.0	574.0	574.0	573.0	574.0	574.9	574.0	573.0	574.0
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1062.5	1059.6	1055.4	1049.1	1044.1	1036.1	1036.1	1037.4	1037.4	1037.0	1036.1
5°	1030.3	1022.4	1013.0	1002.0	990.5	979.0	976.9	972.7	969.6	967.5	964.8
7.5°	996.3	982.3	968.6	953.2	939.2	927.6	919.5	912.8	908.5	903.9	900.6
10°	973.2	955.9	939.7	923.5	905.7	891.6	882.7	876.4	871.7	867.5	865.4
12.5°	946.0	926.2	908.3	892.9	873.4	858.9	850.4	847.5	841.9	833.1	828.5
15°	906.2	887.9	866.4	842.9	833.4	815.6	805.7	801.0	797.8	791.0	788.9
17.5°	872.2	848.2	824.1	806.5	789.0	774.6	769.0	763.2	759.0	753.4	751.8
20°	845.0	823.5	801.5	782.7	764.3	748.6	743.9	739.7	735.5	732.9	730.8
22.5°	817.3	795.9	777.6	760.0	740.5	730.2	725.1	720.5	717.5	715.8	713.7
25°	778.5	759.6	739.2	723.5	707.8	701.0	697.8	695.2	693.1	690.5	690.0
27.5°	743.7	723.2	706.6	692.0	680.7	675.0	672.0	670.7	671.2	672.1	672.7
30°	717.7	698.9	685.3	672.7	662.3	657.0	656.5	656.5	658.6	659.1	660.2
32.5°	693.9	678.4	664.8	652.6	644.7	641.1	643.1	643.1	644.8	646.1	648.0
35°	659.1	645.5	635.0	624.6	617.8	619.3	620.4	621.4	624.0	627.2	629.3
37.5°	625.9	614.1	603.2	595.0	591.9	594.7	597.2	599.4	602.5	604.9	607.0
40°	602.0	593.1	582.7	575.3	576.4	578.0	580.1	582.7	585.3	586.9	589.0
42.5°	579.8	570.5	562.6	556.5	558.0	560.0	561.2	562.6	565.6	568.4	569.7
45°	546.0	538.7	531.4	527.7	528.8	529.8	530.8	532.4	535.0	537.1	537.7
47.5°	508.0	502.9	498.0	494.4	496.1	495.7	497.0	500.4	501.2	502.5	505.4
50°	483.7	479.0	473.3	472.2	472.2	472.2	472.7	476.9	476.9	479.0	481.1
52.5°	456.9	453.9	450.2	448.3	447.5	447.5	449.7	451.8	452.6	455.6	457.7
55°	417.2	414.1	411.0	409.4	408.3	409.4	413.6	414.6	417.2	418.8	420.4
57.5°	375.9	373.5	371.0	370.1	369.9	371.3	373.6	376.7	377.4	382.2	384.6
60°	348.7	345.0	342.9	342.9	341.9	346.6	345.5	350.8	351.8	354.9	358.6
62.5°	320.6	315.7	314.8	314.8	316.3	317.7	319.1	321.4	324.2	328.1	331.0
65°	275.4	272.8	276.4	275.9	274.8	278.0	278.0	280.6	283.7	287.4	293.2
67.5°	232.5	231.2	231.5	231.5	233.1	234.9	236.3	238.6	242.4	246.3	250.0
70°	203.6	205.2	202.6	204.7	206.3	206.8	207.8	211.0	215.2	217.8	222.0
72.5°	175.6	175.5	175.8	176.6	178.2	179.1	180.2	183.8	188.4	190.6	193.9
75°	135.1	134.5	136.1	136.1	138.7	139.8	140.8	142.4	146.6	149.7	152.3
77.5°	98.6	99.3	98.9	100.7	100.0	100.2	103.4	105.0	105.4	111.6	113.0
80°	74.3	75.4	75.9	76.4	77.0	75.9	79.6	81.1	81.1	84.8	87.4
82.5°	53.4	54.0	55.4	55.9	56.0	57.1	57.4	58.5	59.8	61.4	64.8
85°	26.7	28.3	28.8	28.3	28.8	27.7	29.3	29.8	30.4	30.4	30.4
87.5°	10.9	11.8	12.1	13.2	13.5	14.6	14.4	13.8	14.0	15.5	14.3
90°	12.8	15.1	18.6	22.1	25.6	29.0	27.9	29.0	30.2	31.4	33.7
92.5°	50.0	67.2	97.6	147.6	196.6	178.7	134.8	97.8	77.6	68.5	62.5
95°	105.7	151.0	249.8	422.9	613.5	689.0	558.8	418.3	283.5	221.9	180.1
97.5°	125.5	174.5	268.9	464.0	781.7	1067.7	1142.3	1042.6	835.1	685.3	546.3
100°	139.4	184.7	266.1	438.0	743.6	1100.3	1329.2	1369.8	1275.7	1139.8	974.8
102.5°	155.2	196.8	269.8	415.7	687.8	1039.9	1338.4	1478.6	1475.5	1396.3	1291.7
105°	181.2	217.3	280.0	399.7	619.3	934.1	1267.6	1510.4	1626.6	1648.7	1618.5
107.5°	210.5	244.0	299.1	398.5	575.6	840.7	1143.5	1418.8	1607.5	1709.3	1750.7
110°	230.0	262.6	314.9	403.2	558.8	787.7	1065.4	1331.5	1545.3	1691.7	1773.0

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	250.5	282.1	330.7	412.5	549.6	752.4	997.6	1245.0	1463.5	1627.5	1732.1
115°	281.2	312.5	356.7	427.6	546.1	714.5	915.5	1130.5	1332.6	1503.4	1630.1
117.5°	311.6	340.7	384.3	447.5	548.2	692.2	866.0	1047.5	1222.0	1375.4	1503.9
120°	331.1	360.2	402.0	462.4	551.9	682.0	840.0	1003.8	1160.7	1300.1	1417.5
122.5°	348.8	379.7	420.6	476.4	558.4	675.5	818.6	969.4	1111.4	1240.6	1349.6
125°	375.3	406.6	447.3	498.4	568.1	666.9	791.2	923.7	1050.3	1161.8	1254.8
127.5°	399.9	431.3	470.5	516.6	579.3	662.7	767.1	883.7	996.6	1097.2	1181.8
130°	414.8	446.1	484.5	528.6	586.7	659.9	754.0	858.6	963.2	1057.3	1136.3
132.5°	428.7	459.2	496.6	539.8	592.3	659.0	742.0	835.4	931.6	1019.2	1094.5
135°	447.3	478.7	514.7	554.2	600.7	657.6	726.2	804.0	886.5	962.0	1028.2
137.5°	463.6	492.6	527.2	564.9	606.3	655.0	712.4	775.4	843.0	908.1	965.5
140°	472.9	501.9	535.6	570.5	610.0	654.1	704.1	758.7	817.9	873.7	923.7
142.5°	482.2	509.4	542.1	576.0	612.8	652.3	696.6	742.9	793.8	842.1	885.6
145°	493.8	520.5	550.7	582.1	614.6	649.5	686.7	723.8	762.2	799.4	833.0
147.5°	507.3	530.0	557.7	585.8	614.6	645.1	676.9	708.3	738.7	768.7	792.6
150°	514.7	535.6	562.3	586.7	614.6	641.3	670.4	697.1	723.8	748.2	770.3
152.5°	522.1	542.1	565.1	588.6	611.8	636.7	663.0	686.9	709.9	731.5	749.9
155°	534.4	550.7	570.5	589.1	608.8	628.6	651.8	671.5	690.1	707.6	721.5
157.5°	545.1	557.7	573.5	590.2	604.9	621.4	639.2	655.3	670.9	684.3	695.2
160°	550.7	562.3	576.3	590.2	603.0	615.8	630.9	646.0	658.8	670.4	678.5
162.5°	555.4	565.1	577.2	589.3	599.3	610.2	622.5	634.8	645.8	656.4	663.6
165°	561.2	569.3	578.6	586.7	593.7	601.8	611.1	620.4	627.4	635.5	641.3
167.5°	566.5	571.6	578.4	584.9	588.1	593.5	600.2	607.9	613.2	617.9	622.1
170°	569.3	571.6	577.4	582.1	584.4	587.9	593.7	599.5	603.0	607.6	610.0
172.5°	571.2	572.6	577.4	581.2	581.6	583.2	587.2	592.1	594.6	598.4	599.7
175°	572.8	574.0	576.3	578.6	577.4	577.4	579.8	582.1	583.2	585.6	585.6
177.5°	574.0	574.0	574.9	576.7	574.9	574.0	574.9	575.8	576.7	577.7	577.7
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1033.2	1032.8	1035.7	1033.6	1035.7	1032.8	1033.2	1036.1	1037.0	1037.4	1037.4
5°	961.7	963.3	958.0	958.0	958.0	963.3	961.7	964.8	967.5	969.6	972.7
7.5°	898.0	895.7	895.9	893.1	895.9	895.7	898.0	900.6	903.9	908.5	912.8
10°	859.1	856.0	854.9	855.4	854.9	856.0	859.1	865.4	867.5	871.7	876.4
12.5°	826.8	826.2	819.3	819.4	819.3	826.2	826.8	828.5	833.1	841.9	847.5
15°	788.9	779.0	777.9	781.1	777.9	779.0	788.9	788.9	791.0	797.8	801.0
17.5°	750.9	745.7	746.0	744.4	746.0	745.7	750.9	751.8	753.4	759.0	763.2
20°	730.8	727.7	727.2	723.5	727.2	727.7	730.8	730.8	732.9	735.5	739.7
22.5°	712.4	711.4	711.7	707.6	711.7	711.4	712.4	713.7	715.8	717.5	720.5
25°	689.5	692.1	690.0	690.0	690.0	692.1	689.5	690.0	690.5	693.1	695.2
27.5°	674.0	673.9	672.8	672.8	672.8	673.9	674.0	672.7	672.1	671.2	670.7
30°	662.3	661.7	662.8	662.8	662.8	661.7	662.3	660.2	659.1	658.6	656.5
32.5°	650.5	651.3	651.5	651.9	651.5	651.3	650.5	648.0	646.1	644.8	643.1
35°	632.4	632.9	634.5	633.5	634.5	632.9	632.4	629.3	627.2	624.0	621.4
37.5°	607.9	610.3	609.8	610.6	609.8	610.3	607.9	607.0	604.9	602.5	599.4
40°	589.5	591.1	590.5	590.5	590.5	591.1	589.5	589.0	586.9	585.3	582.7
42.5°	570.6	571.8	570.4	569.6	570.4	571.8	570.6	569.7	568.4	565.6	562.6
45°	539.7	538.7	540.3	538.2	540.3	538.7	539.7	537.7	537.1	535.0	532.4
47.5°	505.2	506.2	506.7	508.2	506.7	506.2	505.2	505.4	502.5	501.2	500.4
50°	482.2	485.3	485.3	484.8	485.3	485.3	482.2	481.1	479.0	476.9	476.9
52.5°	459.5	461.0	463.1	463.0	463.1	461.0	459.5	457.7	455.6	452.6	451.8
55°	424.6	425.6	426.7	427.2	426.7	425.6	424.6	420.4	418.8	417.2	414.6
57.5°	388.3	387.9	390.4	391.2	390.4	387.9	388.3	384.6	382.2	377.4	376.7
60°	362.8	362.8	367.0	368.6	367.0	362.8	362.8	358.6	354.9	351.8	350.8
62.5°	335.6	337.3	341.4	339.2	341.4	337.3	335.6	331.0	328.1	324.2	321.4
65°	295.8	300.0	299.5	301.5	299.5	300.0	295.8	293.2	287.4	283.7	280.6
67.5°	254.2	256.8	260.6	260.9	260.6	256.8	254.2	250.0	246.3	242.4	238.6
70°	226.2	228.8	230.9	232.4	230.9	228.8	226.2	222.0	217.8	215.2	211.0
72.5°	198.9	200.3	205.3	203.1	205.3	200.3	198.9	193.9	190.6	188.4	183.8
75°	156.0	159.7	162.8	161.2	162.8	159.7	156.0	152.3	149.7	146.6	142.4
77.5°	115.4	119.0	120.5	119.2	120.5	119.0	115.4	113.0	111.6	105.4	105.0
80°	91.1	90.6	93.7	93.2	93.7	90.6	91.1	87.4	84.8	81.1	81.1
82.5°	66.8	66.3	67.7	68.1	67.7	66.3	66.8	64.8	61.4	59.8	58.5
85°	32.5	34.0	31.9	31.4	31.9	34.0	32.5	30.4	30.4	30.4	29.8
87.5°	14.0	14.3	14.1	13.4	14.1	14.3	14.0	14.3	15.5	14.0	13.8
90°	32.5	33.7	34.9	33.7	34.9	33.7	32.5	33.7	31.4	30.2	29.0
92.5°	60.4	56.9	58.1	56.0	58.1	56.9	60.4	62.5	68.5	77.6	97.8
95°	158.0	147.6	139.4	134.8	139.4	147.6	158.0	180.1	221.9	283.5	418.3
97.5°	460.6	408.3	376.9	366.9	376.9	408.3	460.6	546.3	685.3	835.1	1042.6
100°	857.4	772.6	727.3	728.5	727.3	772.6	857.4	974.8	1139.8	1275.7	1369.8
102.5°	1200.4	1133.3	1095.4	1068.7	1095.4	1133.3	1200.4	1291.7	1396.3	1475.5	1478.6
105°	1565.0	1520.9	1483.7	1477.9	1483.7	1520.9	1565.0	1618.5	1648.7	1626.6	1510.4
107.5°	1751.6	1736.7	1724.2	1713.5	1724.2	1736.7	1751.6	1750.7	1709.3	1607.5	1418.8
110°	1805.5	1814.8	1812.5	1810.2	1812.5	1814.8	1805.5	1773.0	1691.7	1545.3	1331.5

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1791.6	1820.4	1829.2	1829.7	1829.2	1820.4	1791.6	1732.1	1627.5	1463.5	1245.0
115°	1717.2	1768.3	1791.6	1797.4	1791.6	1768.3	1717.2	1630.1	1503.4	1332.6	1130.5
117.5°	1594.8	1653.3	1686.8	1694.7	1686.8	1653.3	1594.8	1503.9	1375.4	1222.0	1047.5
120°	1509.2	1574.3	1602.2	1609.2	1602.2	1574.3	1509.2	1417.5	1300.1	1160.7	1003.8
122.5°	1431.2	1489.7	1520.4	1529.2	1520.4	1489.7	1431.2	1349.6	1240.6	1111.4	969.4
125°	1329.2	1380.3	1409.3	1417.5	1409.3	1380.3	1329.2	1254.8	1161.8	1050.3	923.7
127.5°	1248.1	1291.7	1318.0	1325.4	1318.0	1291.7	1248.1	1181.8	1097.2	996.6	883.7
130°	1197.9	1239.7	1264.1	1273.4	1264.1	1239.7	1197.9	1136.3	1057.3	963.2	858.6
132.5°	1152.3	1194.1	1215.8	1222.3	1215.8	1194.1	1152.3	1094.5	1019.2	931.6	835.4
135°	1085.2	1120.0	1140.9	1149.1	1140.9	1120.0	1085.2	1028.2	962.0	886.5	804.0
137.5°	1013.4	1048.7	1066.3	1071.7	1066.3	1048.7	1013.4	965.5	908.1	843.0	775.4
140°	967.8	1000.4	1018.9	1017.8	1018.9	1000.4	967.8	923.7	873.7	817.9	758.7
142.5°	923.2	952.0	968.7	967.6	968.7	952.0	923.2	885.6	842.1	793.8	742.9
145°	862.1	886.5	895.8	898.1	895.8	886.5	862.1	833.0	799.4	762.2	723.8
147.5°	814.7	831.2	840.0	840.9	840.0	831.2	814.7	792.6	768.7	738.7	708.3
150°	787.7	800.5	807.5	807.5	807.5	800.5	787.7	770.3	748.2	723.8	697.1
152.5°	763.6	775.4	779.6	779.6	779.6	775.4	763.6	749.9	731.5	709.9	686.9
155°	732.0	741.3	743.6	744.7	743.6	741.3	732.0	721.5	707.6	690.1	671.5
157.5°	704.3	711.3	713.1	712.9	713.1	711.3	704.3	695.2	684.3	670.9	655.3
160°	686.7	693.6	693.6	692.5	693.6	693.6	686.7	678.5	670.4	658.8	646.0
162.5°	669.0	675.0	675.0	673.9	675.0	675.0	669.0	663.6	656.4	645.8	634.8
165°	646.0	650.6	649.5	649.5	649.5	650.6	646.0	641.3	635.5	627.4	620.4
167.5°	624.1	627.4	626.2	626.2	626.2	627.4	624.1	622.1	617.9	613.2	607.9
170°	611.1	613.5	612.3	612.3	612.3	613.5	611.1	610.0	607.6	603.0	599.5
172.5°	600.0	602.3	600.2	599.3	600.2	602.3	600.0	599.7	598.4	594.6	592.1
175°	585.6	586.7	585.6	584.4	585.6	586.7	585.6	585.6	585.6	583.2	582.1
177.5°	576.7	577.7	575.8	575.8	575.8	577.7	576.7	577.7	577.7	576.7	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1036.1	1036.1	1044.1	1049.1	1055.4	1059.6	1062.5	1065.5	1070.5	1077.2	1084.7
5°	976.9	979.0	990.5	1002.0	1013.0	1022.4	1030.3	1039.7	1051.2	1065.4	1081.1
7.5°	919.5	927.6	939.2	953.2	968.6	982.3	996.3	1011.8	1028.0	1048.8	1070.8
10°	882.7	891.6	905.7	923.5	939.7	955.9	973.2	990.0	1010.4	1035.0	1063.3
12.5°	850.4	858.9	873.4	892.9	908.3	926.2	946.0	967.8	990.7	1020.3	1052.4
15°	805.7	815.6	833.4	842.9	866.4	887.9	906.2	937.6	966.9	997.3	1034.5
17.5°	769.0	774.6	789.0	806.5	824.1	848.2	872.2	898.4	927.6	964.7	1011.2
20°	743.9	748.6	764.3	782.7	801.5	823.5	845.0	871.1	904.1	943.4	993.6
22.5°	725.1	730.2	740.5	760.0	777.6	795.9	817.3	848.5	883.6	922.0	976.5
25°	697.8	701.0	707.8	723.5	739.2	759.6	778.5	807.8	843.9	888.9	943.4
27.5°	672.0	675.0	680.7	692.0	706.6	723.2	743.7	768.6	805.3	854.2	912.0
30°	656.5	657.0	662.3	672.7	685.3	698.9	717.7	746.0	780.6	830.3	891.0
32.5°	643.1	641.1	644.7	652.6	664.8	678.4	693.9	721.7	755.0	803.9	866.3
35°	620.4	619.3	617.8	624.6	635.0	645.5	659.1	680.1	717.7	763.3	828.7
37.5°	597.2	594.7	591.9	595.0	603.2	614.1	625.9	644.6	677.0	727.2	789.8
40°	580.1	578.0	576.4	575.3	582.7	593.1	602.0	619.8	650.2	697.8	759.6
42.5°	561.2	560.0	558.0	556.5	562.6	570.5	579.8	595.6	625.9	670.6	729.1
45°	530.8	529.8	528.8	527.7	531.4	538.7	546.0	557.5	583.7	627.2	680.1
47.5°	497.0	495.7	496.1	494.4	498.0	502.9	508.0	520.4	545.5	580.6	619.2
50°	472.7	472.2	472.2	472.2	473.3	479.0	483.7	493.2	516.2	551.3	579.0
52.5°	449.7	447.5	447.5	448.3	450.2	453.9	456.9	467.2	487.3	516.1	541.3
55°	413.6	409.4	408.3	409.4	411.0	414.1	417.2	425.6	442.9	464.4	479.0
57.5°	373.6	371.3	369.9	370.1	371.0	373.5	375.9	385.0	398.6	409.8	419.2
60°	345.5	346.6	341.9	342.9	342.9	345.0	348.7	354.4	365.9	373.8	383.2
62.5°	319.1	317.7	316.3	314.8	314.8	315.7	320.6	325.1	334.9	339.0	346.4
65°	278.0	278.0	274.8	275.9	276.4	272.8	275.4	280.6	286.9	288.5	295.3
67.5°	236.3	234.9	233.1	231.5	231.5	231.2	232.5	235.2	239.9	240.4	245.6
70°	207.8	206.8	206.3	204.7	202.6	205.2	203.6	206.3	208.9	209.4	212.5
72.5°	180.2	179.1	178.2	176.6	175.8	175.5	175.6	178.6	180.4	179.7	183.2
75°	140.8	139.8	138.7	136.1	136.1	134.5	135.1	137.2	139.3	137.7	140.8
77.5°	103.4	100.2	100.0	100.7	98.9	99.3	98.6	98.3	99.3	99.4	102.2
80°	79.6	75.9	77.0	76.4	75.9	75.4	74.3	74.9	75.4	75.9	77.5
82.5°	57.4	57.1	56.0	55.9	55.4	54.0	53.4	54.3	54.9	54.6	55.7
85°	29.3	27.7	28.8	28.3	28.8	28.3	26.7	26.7	27.7	27.2	28.3
87.5°	14.4	14.6	13.5	13.2	12.1	11.8	10.9	10.9	10.6	10.1	10.5
90°	27.9	29.0	25.6	22.1	18.6	15.1	12.8	10.5	7.0	4.6	2.3
92.5°	134.8	178.7	196.6	147.6	97.6	67.2	50.0	40.2	31.1	21.4	14.4
95°	558.8	689.0	613.5	422.9	249.8	151.0	105.7	75.5	55.8	43.0	39.5
97.5°	1142.3	1067.7	781.7	464.0	268.9	174.5	125.5	95.7	78.5	68.5	67.4
100°	1329.2	1100.3	743.6	438.0	266.1	184.7	139.4	111.5	95.3	87.1	86.0
102.5°	1338.4	1039.9	687.8	415.7	269.8	196.8	155.2	130.1	114.8	107.6	105.5
105°	1267.6	934.1	619.3	399.7	280.0	217.3	181.2	159.2	145.2	138.3	134.8
107.5°	1143.5	840.7	575.6	398.5	299.1	244.0	210.5	189.8	176.1	169.4	165.9
110°	1065.4	787.7	558.8	403.2	314.9	262.6	230.0	210.3	197.5	191.7	188.2

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	997.6	752.4	549.6	412.5	330.7	282.1	250.5	230.7	218.0	212.2	208.7
115°	915.5	714.5	546.1	427.6	356.7	312.5	281.2	261.4	249.8	242.8	238.2
117.5°	866.0	692.2	548.2	447.5	384.3	340.7	311.6	289.5	278.8	273.0	267.7
120°	840.0	682.0	551.9	462.4	402.0	360.2	331.1	309.1	297.4	291.6	288.1
122.5°	818.6	675.5	558.4	476.4	420.6	379.7	348.8	327.6	315.1	309.3	305.8
125°	791.2	666.9	568.1	498.4	447.3	406.6	375.3	353.2	340.4	333.5	331.1
127.5°	767.1	662.7	579.3	516.6	470.5	431.3	399.9	375.5	362.5	353.9	350.4
130°	754.0	659.9	586.7	528.6	484.5	446.1	414.8	390.4	376.4	366.0	362.5
132.5°	742.0	659.0	592.3	539.8	496.6	459.2	428.7	404.3	387.6	376.2	371.8
135°	726.2	657.6	600.7	554.2	514.7	478.7	447.3	422.9	405.5	392.7	388.1
137.5°	712.4	655.0	606.3	564.9	527.2	492.6	463.6	439.4	420.8	408.3	403.4
140°	704.1	654.1	610.0	570.5	535.6	501.9	472.9	449.6	431.0	419.4	413.6
142.5°	696.6	652.3	612.8	576.0	542.1	509.4	482.2	458.9	442.2	429.7	424.8
145°	686.7	649.5	614.6	582.1	550.7	520.5	493.8	474.0	456.6	446.1	442.7
147.5°	676.9	645.1	614.6	585.8	557.7	530.0	507.3	488.2	473.1	462.9	460.8
150°	670.4	641.3	614.6	586.7	562.3	535.6	514.7	498.4	483.3	474.0	472.9
152.5°	663.0	636.7	611.8	588.6	565.1	542.1	522.1	507.7	494.5	485.2	485.0
155°	651.8	628.6	608.8	589.1	570.5	550.7	534.4	521.7	510.1	503.1	503.1
157.5°	639.2	621.4	604.9	590.2	573.5	557.7	545.1	534.2	524.0	518.4	517.5
160°	630.9	615.8	603.0	590.2	576.3	562.3	550.7	542.6	533.3	528.6	528.6
162.5°	622.5	610.2	599.3	589.3	577.2	565.1	555.4	548.2	540.7	537.0	537.0
165°	611.1	601.8	593.7	586.7	578.6	569.3	561.2	556.5	550.7	548.4	549.6
167.5°	600.2	593.5	588.1	584.9	578.4	571.6	566.5	563.3	558.8	557.7	559.1
170°	593.7	587.9	584.4	582.1	577.4	571.6	569.3	567.0	563.5	562.3	564.7
172.5°	587.2	583.2	581.6	581.2	577.4	572.6	571.2	569.8	567.2	567.0	568.4
175°	579.8	577.4	577.4	578.6	576.3	574.0	572.8	572.8	570.5	571.6	572.8
177.5°	574.9	574.0	574.9	576.7	574.9	574.0	574.0	574.0	573.0	574.0	574.9
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331993

CATALOG NUMBER: S123DIP-S775D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1087.2	1089.3	1096.5	1101.5	1107.3	1110.7	1114.0	1116.6	1119.9	1120.7	1132.9
5°	1092.1	1102.5	1120.9	1134.5	1151.2	1169.5	1182.1	1187.9	1203.0	1215.6	1240.7
7.5°	1090.7	1113.0	1140.6	1169.3	1200.1	1228.6	1253.3	1282.6	1303.5	1334.8	1365.6
10°	1089.4	1119.3	1154.9	1191.5	1234.5	1274.2	1309.8	1349.6	1382.6	1426.1	1463.2
12.5°	1085.7	1121.8	1171.2	1214.6	1266.7	1321.6	1374.3	1425.4	1454.6	1527.0	1561.2
15°	1076.4	1119.3	1181.1	1247.0	1318.7	1383.7	1450.7	1504.1	1590.4	1653.8	1694.1
17.5°	1058.6	1118.7	1191.9	1271.5	1358.7	1444.3	1520.2	1601.2	1692.8	1769.5	1851.2
20°	1050.2	1116.1	1197.8	1285.8	1376.3	1473.2	1559.6	1656.9	1756.9	1832.3	1937.0
22.5°	1034.7	1109.4	1197.4	1295.4	1392.2	1492.4	1593.5	1691.7	1807.2	1911.1	2010.7
25°	1009.3	1093.1	1184.2	1293.6	1407.2	1507.7	1628.7	1759.0	1879.4	2012.9	2112.4
27.5°	982.7	1072.2	1163.5	1265.2	1387.4	1506.7	1658.8	1806.1	1953.4	2068.6	2142.2
30°	962.2	1049.1	1143.4	1246.0	1366.9	1508.8	1678.9	1839.6	1983.1	2082.0	2123.4
32.5°	940.0	1028.2	1111.5	1219.2	1348.1	1507.5	1691.5	1859.3	1984.8	2050.6	2042.6
35°	905.2	979.0	1060.1	1163.8	1315.6	1498.3	1698.8	1861.1	1938.1	1923.9	1817.1
37.5°	854.9	917.0	996.9	1110.4	1277.9	1478.9	1684.2	1805.9	1800.9	1685.8	1531.1
40°	823.5	876.4	953.3	1072.7	1248.6	1466.4	1661.1	1740.2	1673.2	1512.4	1327.1
42.5°	782.5	831.1	908.1	1030.8	1216.3	1440.8	1617.1	1640.1	1509.0	1324.0	1154.1
45°	718.8	761.7	841.3	968.0	1168.0	1385.2	1509.8	1453.8	1277.4	1086.3	957.0
47.5°	650.4	695.0	771.6	901.7	1098.0	1301.6	1360.9	1241.8	1060.6	905.7	787.0
50°	607.3	650.2	725.1	856.5	1050.7	1232.9	1257.5	1103.6	937.1	801.0	703.6
52.5°	563.7	604.1	677.7	809.6	995.4	1153.3	1138.1	981.3	828.2	712.2	635.8
55°	498.9	537.1	607.3	730.8	899.9	1025.0	970.1	820.4	693.7	603.6	545.5
57.5°	440.9	477.6	538.1	649.7	796.7	882.7	812.7	686.5	585.8	516.5	473.2
60°	401.5	434.0	491.6	595.2	723.0	788.4	719.3	607.8	523.0	467.5	428.8
62.5°	364.3	392.5	445.9	540.0	650.9	705.9	636.0	541.6	469.4	420.2	387.3
65°	307.8	333.5	380.6	453.9	545.0	581.6	521.4	445.0	389.0	352.3	330.3
67.5°	256.3	278.1	318.8	376.5	443.5	470.2	424.4	365.2	323.0	293.6	276.1
70°	222.0	240.8	272.8	322.5	383.2	403.6	360.7	312.0	281.1	257.6	241.3
72.5°	193.1	206.9	235.9	274.3	325.0	341.2	311.3	268.5	239.7	222.0	209.1
75°	147.1	158.6	177.5	208.4	243.4	252.9	230.3	203.6	184.3	171.7	161.8
77.5°	106.1	114.5	128.2	147.2	171.5	180.0	165.7	147.9	133.8	125.3	119.8
80°	80.1	86.9	98.4	114.1	128.8	133.5	125.1	111.5	101.6	96.9	92.1
82.5°	59.2	63.0	69.9	80.6	90.7	96.2	89.1	80.9	75.6	71.3	69.5
85°	29.8	31.9	35.1	39.3	45.5	47.6	45.0	42.9	39.8	37.2	37.2
87.5°	11.8	12.3	14.2	15.5	17.7	19.6	19.9	19.8	20.0	19.4	19.2
90°	4.6	7.0	10.5	12.8	15.1	18.6	22.1	25.6	29.0	27.9	29.0
92.5°	21.4	31.1	40.2	50.0	67.2	97.6	147.6	196.6	178.7	134.8	97.8
95°	43.0	55.8	75.5	105.7	151.0	249.8	422.9	613.5	689.0	558.8	418.3
97.5°	68.5	78.5	95.7	125.5	174.5	268.9	464.0	781.7	1067.7	1142.3	1042.6
100°	87.1	95.3	111.5	139.4	184.7	266.1	438.0	743.6	1100.3	1329.2	1369.8
102.5°	107.6	114.8	130.1	155.2	196.8	269.8	415.7	687.8	1039.9	1338.4	1478.6
105°	138.3	145.2	159.2	181.2	217.3	280.0	399.7	619.3	934.1	1267.6	1510.4
107.5°	169.4	176.1	189.8	210.5	244.0	299.1	398.5	575.6	840.7	1143.5	1418.8
110°	191.7	197.5	210.3	230.0	262.6	314.9	403.2	558.8	787.7	1065.4	1331.5

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	212.2	218.0	230.7	250.5	282.1	330.7	412.5	549.6	752.4	997.6	1245.0
115°	242.8	249.8	261.4	281.2	312.5	356.7	427.6	546.1	714.5	915.5	1130.5
117.5°	273.0	278.8	289.5	311.6	340.7	384.3	447.5	548.2	692.2	866.0	1047.5
120°	291.6	297.4	309.1	331.1	360.2	402.0	462.4	551.9	682.0	840.0	1003.8
122.5°	309.3	315.1	327.6	348.8	379.7	420.6	476.4	558.4	675.5	818.6	969.4
125°	333.5	340.4	353.2	375.3	406.6	447.3	498.4	568.1	666.9	791.2	923.7
127.5°	353.9	362.5	375.5	399.9	431.3	470.5	516.6	579.3	662.7	767.1	883.7
130°	366.0	376.4	390.4	414.8	446.1	484.5	528.6	586.7	659.9	754.0	858.6
132.5°	376.2	387.6	404.3	428.7	459.2	496.6	539.8	592.3	659.0	742.0	835.4
135°	392.7	405.5	422.9	447.3	478.7	514.7	554.2	600.7	657.6	726.2	804.0
137.5°	408.3	420.8	439.4	463.6	492.6	527.2	564.9	606.3	655.0	712.4	775.4
140°	419.4	431.0	449.6	472.9	501.9	535.6	570.5	610.0	654.1	704.1	758.7
142.5°	429.7	442.2	458.9	482.2	509.4	542.1	576.0	612.8	652.3	696.6	742.9
145°	446.1	456.6	474.0	493.8	520.5	550.7	582.1	614.6	649.5	686.7	723.8
147.5°	462.9	473.1	488.2	507.3	530.0	557.7	585.8	614.6	645.1	676.9	708.3
150°	474.0	483.3	498.4	514.7	535.6	562.3	586.7	614.6	641.3	670.4	697.1
152.5°	485.2	494.5	507.7	522.1	542.1	565.1	588.6	611.8	636.7	663.0	686.9
155°	503.1	510.1	521.7	534.4	550.7	570.5	589.1	608.8	628.6	651.8	671.5
157.5°	518.4	524.0	534.2	545.1	557.7	573.5	590.2	604.9	621.4	639.2	655.3
160°	528.6	533.3	542.6	550.7	562.3	576.3	590.2	603.0	615.8	630.9	646.0
162.5°	537.0	540.7	548.2	555.4	565.1	577.2	589.3	599.3	610.2	622.5	634.8
165°	548.4	550.7	556.5	561.2	569.3	578.6	586.7	593.7	601.8	611.1	620.4
167.5°	557.7	558.8	563.3	566.5	571.6	578.4	584.9	588.1	593.5	600.2	607.9
170°	562.3	563.5	567.0	569.3	571.6	577.4	582.1	584.4	587.9	593.7	599.5
172.5°	567.0	567.2	569.8	571.2	572.6	577.4	581.2	581.6	583.2	587.2	592.1
175°	571.6	570.5	572.8	572.8	574.0	576.3	578.6	577.4	577.4	579.8	582.1
177.5°	574.0	573.0	574.0	574.0	574.0	574.9	576.7	574.9	574.0	574.9	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5	1080.5
2.5°	1137.1	1137.5	1142.1	1145.5	1143.8	1145.9	1146.7
5°	1242.3	1261.2	1271.1	1278.4	1279.0	1279.5	1283.7
7.5°	1391.5	1411.7	1426.5	1448.9	1455.6	1463.2	1461.0
10°	1500.4	1530.2	1555.9	1569.5	1584.2	1605.6	1588.4
12.5°	1602.2	1655.1	1694.1	1715.3	1729.1	1733.4	1724.9
15°	1770.0	1839.1	1876.3	1875.2	1922.4	1942.8	1910.8
17.5°	1923.9	1987.7	2038.8	2065.0	2104.2	2112.9	2108.9
20°	2018.2	2087.8	2127.6	2172.6	2193.0	2211.3	2214.5
22.5°	2099.4	2161.9	2204.6	2242.1	2259.2	2267.9	2273.1
25°	2183.1	2232.3	2257.9	2271.0	2275.7	2274.7	2267.9
27.5°	2177.3	2181.1	2152.8	2125.1	2100.3	2072.3	2062.7
30°	2120.8	2076.8	1998.3	1953.8	1888.3	1836.5	1857.4
32.5°	1972.1	1884.6	1796.4	1699.1	1618.6	1595.7	1572.6
35°	1683.1	1529.2	1439.2	1334.4	1292.6	1250.7	1221.9
37.5°	1361.7	1242.6	1135.8	1067.3	1025.4	998.9	984.6
40°	1177.4	1070.1	982.1	926.6	894.7	864.9	860.7
42.5°	1030.4	930.6	864.4	820.2	789.6	776.9	767.7
45°	843.9	774.3	729.8	698.4	678.0	670.1	659.6
47.5°	714.3	665.1	631.7	610.3	594.9	589.1	588.2
50°	641.8	601.0	576.4	559.6	547.6	545.5	537.1
52.5°	587.4	552.0	532.8	518.2	509.5	503.6	501.1
55°	509.9	486.3	469.1	460.7	453.9	448.1	448.1
57.5°	446.1	426.5	415.0	407.9	405.8	401.7	399.1
60°	406.8	390.0	381.1	374.8	370.7	371.2	366.5
62.5°	368.2	357.4	348.9	342.6	337.6	337.7	338.0
65°	313.6	305.2	298.9	296.8	293.7	290.0	291.1
67.5°	265.7	257.9	253.0	249.4	248.4	246.4	249.4
70°	231.4	225.6	222.0	218.8	217.8	218.3	220.9
72.5°	200.0	195.9	193.5	192.0	189.7	189.8	191.6
75°	157.1	153.9	151.8	150.2	149.7	149.7	149.7
77.5°	115.4	114.7	113.7	111.4	111.5	112.1	112.2
80°	91.1	89.5	89.0	88.0	86.4	85.3	88.0
82.5°	68.1	66.5	66.0	65.8	63.3	63.1	65.3
85°	36.6	35.1	35.6	35.1	35.1	34.6	34.6
87.5°	19.0	18.8	18.9	19.1	18.9	18.7	19.3
90°	30.2	31.4	33.7	32.5	33.7	34.9	33.7
92.5°	77.6	68.5	62.5	60.4	56.9	58.1	56.0
95°	283.5	221.9	180.1	158.0	147.6	139.4	134.8
97.5°	835.1	685.3	546.3	460.6	408.3	376.9	366.9
100°	1275.7	1139.8	974.8	857.4	772.6	727.3	728.5
102.5°	1475.5	1396.3	1291.7	1200.4	1133.3	1095.4	1068.7
105°	1626.6	1648.7	1618.5	1565.0	1520.9	1483.7	1477.9
107.5°	1607.5	1709.3	1750.7	1751.6	1736.7	1724.2	1713.5
110°	1545.3	1691.7	1773.0	1805.5	1814.8	1812.5	1810.2

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1463.5	1627.5	1732.1	1791.6	1820.4	1829.2	1829.7
115°	1332.6	1503.4	1630.1	1717.2	1768.3	1791.6	1797.4
117.5°	1222.0	1375.4	1503.9	1594.8	1653.3	1686.8	1694.7
120°	1160.7	1300.1	1417.5	1509.2	1574.3	1602.2	1609.2
122.5°	1111.4	1240.6	1349.6	1431.2	1489.7	1520.4	1529.2
125°	1050.3	1161.8	1254.8	1329.2	1380.3	1409.3	1417.5
127.5°	996.6	1097.2	1181.8	1248.1	1291.7	1318.0	1325.4
130°	963.2	1057.3	1136.3	1197.9	1239.7	1264.1	1273.4
132.5°	931.6	1019.2	1094.5	1152.3	1194.1	1215.8	1222.3
135°	886.5	962.0	1028.2	1085.2	1120.0	1140.9	1149.1
137.5°	843.0	908.1	965.5	1013.4	1048.7	1066.3	1071.7
140°	817.9	873.7	923.7	967.8	1000.4	1018.9	1017.8
142.5°	793.8	842.1	885.6	923.2	952.0	968.7	967.6
145°	762.2	799.4	833.0	862.1	886.5	895.8	898.1
147.5°	738.7	768.7	792.6	814.7	831.2	840.0	840.9
150°	723.8	748.2	770.3	787.7	800.5	807.5	807.5
152.5°	709.9	731.5	749.9	763.6	775.4	779.6	779.6
155°	690.1	707.6	721.5	732.0	741.3	743.6	744.7
157.5°	670.9	684.3	695.2	704.3	711.3	713.1	712.9
160°	658.8	670.4	678.5	686.7	693.6	693.6	692.5
162.5°	645.8	656.4	663.6	669.0	675.0	675.0	673.9
165°	627.4	635.5	641.3	646.0	650.6	649.5	649.5
167.5°	613.2	617.9	622.1	624.1	627.4	626.2	626.2
170°	603.0	607.6	610.0	611.1	613.5	612.3	612.3
172.5°	594.6	598.4	599.7	600.0	602.3	600.2	599.3
175°	583.2	585.6	585.6	585.6	586.7	585.6	584.4
177.5°	576.7	577.7	577.7	576.7	577.7	575.8	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0

(END OF REPORT)