

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: P331514-840

Luminaire Tested: **S122DIW-S485D1240U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331514-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S485D1240U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6510.0 lumens
Efficiency: N/A
Efficacy: 121.0 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: Semi-Indirect

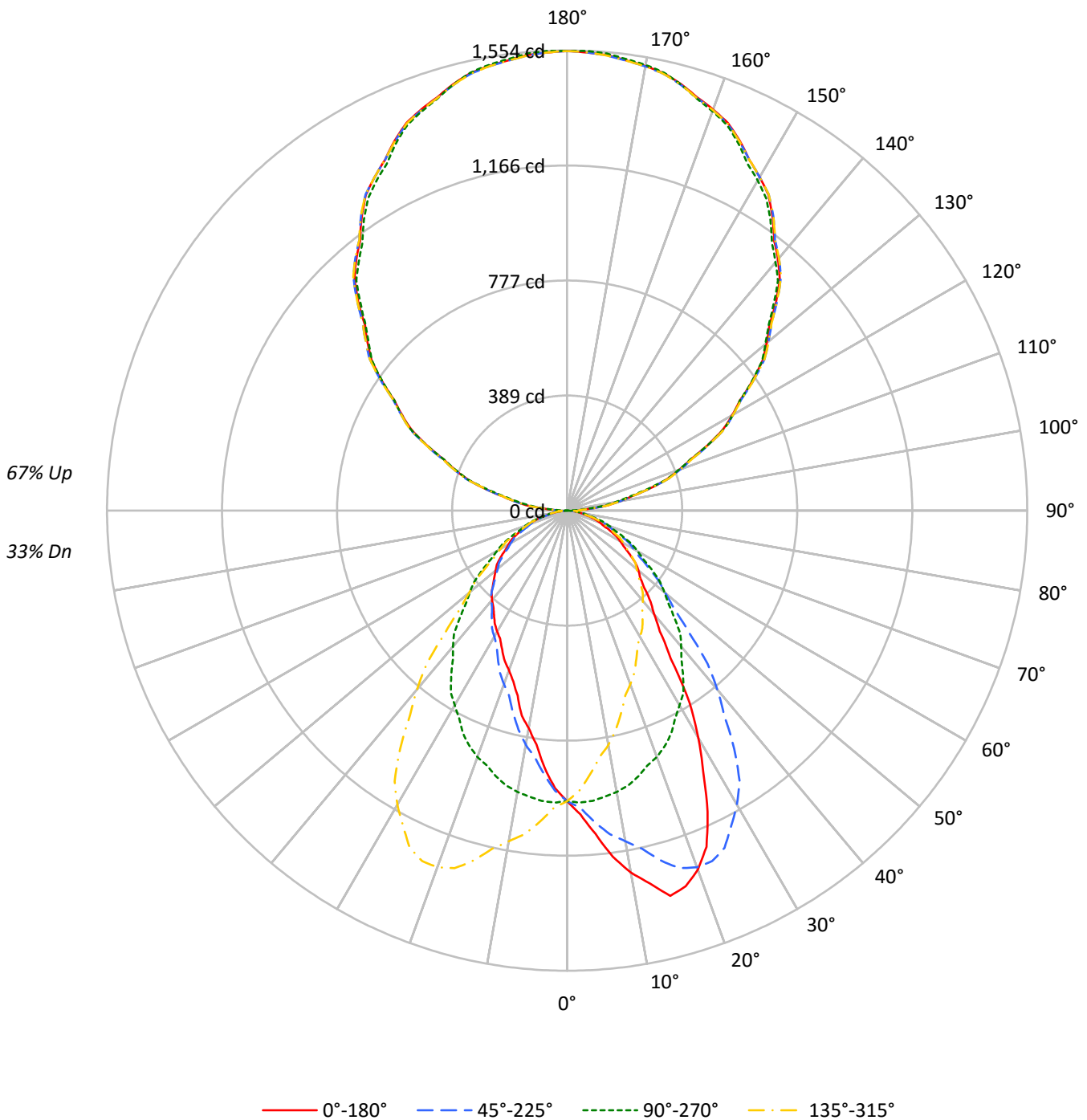
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	37	36	35	29
2	86	79	73	68	77	72	67	63	58	54	51	45	42	40	32	31	30	25
3	79	70	63	57	71	63	57	53	51	47	43	40	37	34	29	27	26	21
4	72	62	54	49	65	56	50	45	45	41	37	35	32	30	26	24	23	18
5	66	55	47	42	60	50	44	39	41	36	32	32	29	26	24	22	20	16
6	61	50	42	36	55	45	38	34	37	32	28	29	25	23	22	19	18	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	17	16	13
8	52	41	33	28	47	37	31	26	30	26	22	24	21	18	18	16	14	12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	21	26	21	18	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15844	15844	15844	15844
5°	17763	15948	14131	15948
10°	20354	15816	12231	15816
15°	22519	15527	10805	15527
20°	22175	15216	9850	15216
25°	19996	14801	9246	14801
30°	16524	14139	8804	14139
35°	12043	13448	8489	13448
40°	9619	12631	8315	12631
45°	8405	11686	8079	11686
50°	7902	10771	7920	10771
55°	7282	9841	7707	9841
60°	6675	8854	7379	8854
65°	6082	7966	7060	7966
70°	5519	7105	6590	7105
75°	4897	6145	5833	6145
80°	4203	5086	4695	5086
85°	3779	3779	2779	3779



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.4
10°-20°	271.7	4.2
20°-30°	394.3	6.1
30°-40°	416.1	6.4
40°-50°	368.4	5.7
50°-60°	294.0	4.5
60°-70°	199.8	3.1
70°-80°	102.5	1.6
80°-90°	30.9	0.5
90°-100°	98.3	1.5
100°-110°	305.4	4.7
110°-120°	522.0	8.0
120°-130°	686.4	10.5
130°-140°	770.4	11.8
140°-150°	755.4	11.6
150°-160°	633.6	9.7
160°-170°	420.3	6.5
170°-180°	146.9	2.3
0°-30°	759.5	11.7
0°-40°	1175.6	18.1
0°-60°	1838.0	28.2
0°-90°	2171.2	33.4
90°-120°	925.7	14.2
90°-150°	3138.0	48.2
90°-180°	4339.0	66.7
0°-180°	6510.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	981	981	981	981	981	
5°	1096	984	872	984	1096	109
15°	1347	929	646	929	1347	372
25°	1122	831	519	831	1122	507
35°	611	682	431	682	611	397
45°	368	512	354	512	368	289
55°	259	350	274	350	259	232
65°	159	208	185	208	159	158
75°	78	98	94	98	78	84
85°	20	20	15	20	20	24
90°	44	1	44	1	44	20
95°	81	68	81	68	81	91
105°	291	282	291	282	291	306
115°	524	524	524	524	524	517
125°	765	762	765	762	765	682
135°	998	986	998	986	998	768
145°	1210	1197	1210	1197	1210	756
155°	1379	1368	1379	1368	1379	635
165°	1490	1489	1490	1489	1490	420
175°	1544	1549	1544	1549	1544	147
180°	1552	1552	1552	1552	1552	



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1026.6	1026.9	1027.4	1022.7	1022.1	1022.1	1017.8	1014.2	1010.0	1004.2	1004.8
5°	1096.0	1100.1	1101.7	1097.1	1090.4	1089.5	1083.2	1072.6	1062.8	1054.9	1049.2
7.5°	1178.8	1180.4	1176.8	1170.8	1165.8	1156.7	1144.8	1133.1	1116.7	1101.7	1090.6
10°	1241.5	1243.9	1237.4	1228.7	1221.5	1211.0	1193.7	1175.9	1154.5	1133.7	1117.1
12.5°	1289.2	1294.8	1286.6	1285.5	1273.1	1258.7	1238.0	1229.0	1198.8	1169.9	1152.1
15°	1347.2	1346.8	1347.6	1340.4	1331.3	1329.1	1307.2	1283.4	1240.8	1223.9	1194.4
17.5°	1330.4	1336.2	1338.8	1338.7	1338.5	1337.1	1330.0	1315.0	1293.6	1266.2	1232.2
20°	1290.6	1298.1	1299.3	1308.0	1312.8	1319.3	1321.9	1317.8	1304.5	1281.5	1252.1
22.5°	1229.0	1231.1	1234.7	1248.2	1258.8	1274.9	1283.2	1297.2	1292.1	1280.9	1256.4
25°	1122.4	1118.6	1131.8	1138.6	1163.1	1188.7	1207.2	1227.6	1245.7	1256.7	1249.5
27.5°	994.3	988.7	1008.5	1026.4	1046.3	1074.1	1102.9	1136.9	1165.2	1200.6	1212.7
30°	886.3	889.7	908.6	927.8	958.0	997.1	1029.6	1066.9	1107.3	1146.9	1174.4
32.5°	769.8	782.8	794.8	824.3	850.8	894.5	942.1	988.8	1039.2	1084.1	1126.7
35°	611.0	626.0	642.7	664.2	701.5	744.9	791.2	854.2	922.9	984.3	1034.9
37.5°	514.2	511.9	521.4	536.9	567.1	602.2	655.5	717.8	798.6	870.8	942.1
40°	456.4	454.8	461.6	475.9	499.0	524.6	571.4	626.0	701.1	789.3	874.2
42.5°	416.5	417.4	421.2	431.3	447.1	468.2	503.2	549.8	618.4	701.6	792.7
45°	368.1	370.7	374.9	379.8	388.8	406.2	425.8	459.0	513.3	582.7	672.5
47.5°	333.3	333.4	337.5	341.8	347.2	357.0	373.0	393.8	432.1	488.7	565.8
50°	314.6	311.8	314.9	318.3	324.0	330.7	341.3	360.9	386.6	432.2	496.7
52.5°	291.6	291.6	294.4	295.7	300.7	307.5	317.2	330.7	354.0	389.7	442.7
55°	258.7	260.6	262.2	264.4	268.9	273.8	281.3	290.4	308.5	335.3	374.5
57.5°	227.8	228.4	229.9	234.2	237.1	241.6	248.7	257.0	268.7	288.6	318.1
60°	206.7	206.7	209.6	211.6	215.3	219.8	225.5	233.5	244.0	260.2	284.0
62.5°	187.3	187.0	188.2	191.4	194.2	198.4	204.1	210.9	220.8	235.2	254.7
65°	159.2	158.4	160.7	161.4	164.4	168.5	173.1	180.3	188.2	198.7	216.1
67.5°	132.0	132.9	134.1	135.5	137.2	141.6	144.6	149.7	156.3	165.1	176.9
70°	116.9	116.9	116.9	118.1	120.3	122.6	125.6	129.8	136.1	143.7	154.2
72.5°	100.0	101.2	102.4	101.8	104.6	105.9	109.6	111.9	118.1	122.9	132.2
75°	78.5	78.5	78.5	80.3	81.5	82.6	84.8	87.2	90.2	96.1	101.1
77.5°	58.6	58.4	58.8	59.2	60.4	61.8	62.4	64.5	67.3	70.1	74.2
80°	45.2	46.0	46.4	47.2	47.2	47.9	48.3	50.9	52.8	54.7	57.4
82.5°	35.0	35.1	35.2	35.3	35.6	36.2	37.1	38.0	38.6	40.2	42.2
85°	20.4	20.0	20.0	20.7	20.4	20.4	21.1	21.9	21.9	22.2	23.4
87.5°	16.8	16.7	17.0	16.6	16.6	16.9	17.0	16.8	17.2	17.6	16.7
90°	44.5	44.2	43.9	43.6	43.3	43.5	44.1	44.6	45.2	45.8	39.4
92.5°	42.4	42.4	42.3	42.2	42.2	42.1	42.0	41.9	41.7	41.6	40.1
95°	81.2	81.8	82.3	82.9	83.5	83.8	83.8	83.8	83.8	83.8	83.2
97.5°	140.7	140.7	140.8	140.8	140.9	140.9	140.9	140.9	140.9	140.9	139.8
100°	179.4	179.7	180.0	180.3	180.6	180.7	180.7	180.7	180.7	180.7	179.9
102.5°	223.4	223.7	224.0	224.3	224.6	224.6	224.4	224.1	223.9	223.7	222.6
105°	290.7	290.7	290.7	290.7	290.7	290.4	289.8	289.2	288.6	288.1	287.5
107.5°	354.1	355.4	356.8	358.1	359.4	360.0	359.7	359.5	359.3	359.0	359.0
110°	403.3	404.1	405.1	406.0	406.8	407.3	407.3	407.3	407.3	407.3	407.3



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	450.4	451.1	451.7	452.3	453.0	453.6	454.3	455.0	455.8	456.5	456.7
115°	523.8	524.6	525.5	526.4	527.3	527.9	528.2	528.5	528.8	529.0	529.6
117.5°	593.7	594.6	595.4	596.3	597.2	597.9	598.6	599.4	600.1	600.8	602.4
120°	643.0	643.8	644.7	645.5	646.4	646.8	646.8	646.8	646.8	646.8	649.1
122.5°	691.2	691.8	692.4	693.1	693.7	694.4	695.1	695.8	696.4	697.1	698.7
125°	764.7	765.0	765.3	765.6	765.9	766.5	767.3	768.2	769.1	769.9	770.8
127.5°	831.7	832.7	833.6	834.6	835.5	836.5	837.5	838.6	839.6	840.6	841.7
130°	879.9	881.1	882.3	883.4	884.6	885.4	886.1	886.7	887.2	887.8	888.4
132.5°	926.0	927.0	927.9	928.9	929.8	930.9	932.1	933.4	934.7	935.9	935.8
135°	997.7	998.7	999.6	1000.4	1001.3	1001.9	1002.2	1002.5	1002.7	1003.0	1002.5
137.5°	1062.8	1063.9	1065.1	1066.2	1067.4	1068.1	1068.3	1068.5	1068.8	1069.0	1068.2
140°	1107.8	1108.9	1110.1	1111.3	1112.5	1113.0	1113.0	1113.0	1113.0	1113.0	1111.6
142.5°	1148.6	1149.8	1150.9	1152.2	1153.3	1153.8	1153.6	1153.3	1153.1	1152.9	1151.9
145°	1209.9	1211.1	1212.2	1213.5	1214.6	1215.0	1214.8	1214.5	1214.2	1213.9	1212.1
147.5°	1264.7	1265.8	1266.9	1268.0	1269.1	1269.3	1268.7	1268.0	1267.4	1266.8	1265.6
150°	1300.3	1301.1	1302.0	1302.9	1303.7	1303.7	1302.9	1302.0	1301.1	1300.3	1299.1
152.5°	1333.8	1334.9	1336.1	1337.1	1338.2	1338.2	1337.1	1336.1	1334.9	1333.8	1332.4
155°	1378.9	1379.7	1380.6	1381.5	1382.3	1382.0	1380.6	1379.2	1377.7	1376.2	1375.3
157.5°	1417.5	1419.0	1420.4	1421.8	1423.2	1422.9	1420.9	1419.0	1416.9	1415.0	1414.4
160°	1441.7	1442.9	1444.0	1445.2	1446.3	1446.0	1444.3	1442.6	1440.8	1439.1	1438.8
162.5°	1462.7	1464.0	1465.4	1466.8	1468.2	1467.9	1465.9	1464.0	1462.0	1460.1	1459.8
165°	1490.2	1491.6	1493.1	1494.5	1495.9	1495.7	1493.6	1491.6	1489.6	1487.5	1487.5
167.5°	1512.7	1514.2	1515.7	1517.2	1518.7	1518.4	1516.4	1514.4	1512.4	1510.3	1510.4
170°	1524.2	1525.9	1527.7	1529.4	1531.2	1531.1	1528.9	1526.9	1524.9	1522.9	1523.2
172.5°	1533.6	1535.4	1537.1	1538.8	1540.5	1540.4	1538.4	1536.4	1534.4	1532.3	1532.6
175°	1543.8	1545.6	1547.3	1549.0	1550.8	1550.6	1548.6	1546.6	1544.6	1542.5	1543.1
177.5°	1548.5	1549.9	1551.4	1552.8	1554.1	1554.1	1552.8	1551.4	1549.9	1548.5	1549.0
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1006.9	1004.5	1003.0	997.6	992.8	988.0	986.4	987.0	980.4	974.1	971.4
5°	1046.2	1038.6	1031.5	1021.3	1009.3	996.0	989.3	984.0	970.8	956.4	948.2
7.5°	1081.4	1070.6	1056.7	1037.6	1020.1	999.3	986.0	974.4	955.0	934.8	922.5
10°	1102.8	1088.0	1070.4	1046.9	1025.4	1000.2	982.5	964.7	942.1	918.0	902.9
12.5°	1121.2	1101.4	1083.9	1053.9	1028.4	996.8	975.8	950.9	927.1	898.4	883.5
15°	1165.0	1128.4	1095.2	1061.3	1030.0	985.8	962.5	928.9	897.6	862.1	845.2
17.5°	1198.8	1157.7	1105.5	1062.4	1025.8	976.9	942.6	902.4	865.4	824.9	801.8
20°	1218.2	1171.0	1114.8	1063.6	1019.8	964.0	926.7	885.6	842.1	796.5	771.6
22.5°	1229.6	1180.1	1124.5	1059.0	1007.7	953.4	906.5	861.4	817.4	768.2	742.0
25°	1233.2	1188.0	1129.1	1055.2	992.6	931.2	874.5	830.8	777.7	731.6	693.6
27.5°	1215.3	1182.9	1126.3	1048.1	975.2	903.3	840.3	790.7	734.6	684.7	646.3
30°	1193.3	1174.4	1119.3	1040.9	961.3	884.0	814.7	758.4	702.7	652.1	612.9
32.5°	1159.2	1155.1	1106.7	1030.7	946.5	859.6	787.8	730.9	669.1	619.5	582.1
35°	1092.2	1110.3	1079.7	1007.7	918.7	824.9	747.1	682.3	618.1	570.6	535.5
37.5°	1002.5	1047.4	1039.5	974.1	881.1	787.0	701.1	633.4	572.3	524.3	489.9
40°	940.6	997.9	1006.2	948.5	854.6	757.7	666.8	599.3	539.7	495.9	461.2
42.5°	874.2	941.2	964.0	917.8	825.7	726.9	636.0	566.1	507.2	464.5	433.8
45°	763.0	851.6	892.7	866.3	777.3	676.2	582.7	511.8	458.3	418.3	394.5
47.5°	658.9	755.8	811.1	801.7	723.5	623.4	531.0	462.9	410.8	378.9	357.6
50°	585.3	684.9	751.6	754.7	684.9	585.7	492.9	428.8	380.9	351.1	333.8
52.5°	521.4	616.4	689.2	705.2	641.8	546.4	458.8	395.1	352.8	325.5	309.9
55°	437.9	518.2	599.0	628.3	577.4	486.9	405.8	349.6	310.0	291.1	277.6
57.5°	364.1	431.0	505.5	538.1	506.6	429.2	353.1	304.4	272.3	255.7	245.3
60°	325.1	377.9	444.2	483.1	456.0	387.0	320.5	274.2	247.8	233.1	223.3
62.5°	288.9	335.7	391.7	427.3	412.5	347.4	288.0	247.0	224.3	210.5	203.4
65°	238.3	275.3	318.7	351.5	341.7	292.3	243.7	208.5	190.5	179.6	173.9
67.5°	196.2	223.0	253.1	281.8	273.9	238.8	199.9	172.5	159.0	149.6	146.2
70°	169.8	190.1	216.8	239.8	233.5	204.8	173.9	150.5	138.8	130.9	127.4
72.5°	144.4	161.1	181.6	200.4	196.0	172.2	146.4	128.8	119.8	112.5	109.7
75°	109.0	121.8	134.3	146.7	145.6	127.1	112.0	98.5	91.3	85.6	84.5
77.5°	80.5	87.7	96.1	103.5	101.5	90.9	79.1	71.3	66.0	62.2	61.6
80°	61.5	65.6	71.7	77.0	74.3	69.8	60.4	54.7	50.9	47.2	45.6
82.5°	44.5	48.8	52.3	55.2	53.2	49.0	43.1	39.3	37.1	34.4	33.8
85°	23.4	25.7	27.2	27.9	27.2	24.5	21.9	20.4	18.5	17.4	17.0
87.5°	15.7	14.3	13.1	12.7	11.1	10.4	8.5	6.9	7.3	7.7	7.8
90°	33.0	26.7	20.2	15.2	11.8	8.3	4.8	1.3	4.8	8.3	11.8
92.5°	38.6	37.1	35.5	33.5	31.0	28.5	25.9	23.3	25.9	28.5	31.0
95°	82.6	82.1	81.5	79.8	76.9	73.9	71.0	68.1	71.0	73.9	76.9
97.5°	138.7	137.5	136.4	134.6	132.1	129.6	126.9	124.4	126.9	129.6	132.1
100°	178.9	178.0	177.2	175.6	173.3	171.0	168.6	166.3	168.6	171.0	173.3
102.5°	221.5	220.4	219.2	217.7	215.9	214.0	212.2	210.3	212.2	214.0	215.9
105°	286.9	286.3	285.8	285.0	284.2	283.3	282.4	281.6	282.4	283.3	284.2
107.5°	359.0	359.0	359.0	358.4	357.1	355.9	354.6	353.3	354.6	355.9	357.1
110°	407.3	407.3	407.3	406.4	404.7	402.8	401.1	399.4	401.1	402.8	404.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	457.0	457.2	457.4	456.7	454.9	453.1	451.4	449.7	451.4	453.1	454.9
115°	530.2	530.8	531.3	530.8	529.0	527.3	525.5	523.8	525.5	527.3	529.0
117.5°	604.0	605.6	607.3	606.9	604.6	602.3	600.0	597.6	600.0	602.3	604.6
120°	651.6	653.9	656.2	656.2	653.9	651.6	649.1	646.8	649.1	651.6	653.9
122.5°	700.4	702.1	703.7	703.1	700.2	697.5	694.7	691.9	694.7	697.5	700.2
125°	771.7	772.5	773.5	772.5	769.9	767.3	764.7	762.0	764.7	767.3	769.9
127.5°	842.7	843.8	844.9	843.7	840.4	837.1	833.7	830.4	833.7	837.1	840.4
130°	889.0	889.6	890.1	888.5	884.7	881.0	877.2	873.4	877.2	881.0	884.7
132.5°	935.7	935.6	935.5	933.9	930.8	927.8	924.6	921.6	924.6	927.8	930.8
135°	1001.9	1001.3	1000.7	998.9	995.6	992.4	989.2	986.0	989.2	992.4	995.6
137.5°	1067.5	1066.7	1066.0	1064.3	1061.7	1059.0	1056.4	1053.8	1056.4	1059.0	1061.7
140°	1110.1	1108.6	1107.2	1105.2	1102.6	1099.9	1097.3	1094.7	1097.3	1099.9	1102.6
142.5°	1150.8	1149.8	1148.8	1147.1	1144.5	1141.9	1139.2	1136.6	1139.2	1141.9	1144.5
145°	1210.3	1208.6	1206.9	1205.0	1203.0	1200.9	1198.9	1196.8	1198.9	1200.9	1203.0
147.5°	1264.5	1263.2	1262.1	1260.3	1257.9	1255.4	1252.9	1250.5	1252.9	1255.4	1257.9
150°	1298.0	1296.8	1295.7	1294.1	1292.4	1290.7	1288.9	1287.2	1288.9	1290.7	1292.4
152.5°	1331.0	1329.6	1328.2	1326.7	1324.8	1323.1	1321.4	1319.7	1321.4	1323.1	1324.8
155°	1374.4	1373.6	1372.7	1371.9	1371.0	1370.1	1369.3	1368.4	1369.3	1370.1	1371.0
157.5°	1413.9	1413.4	1412.9	1412.3	1411.8	1411.2	1410.6	1410.0	1410.6	1411.2	1411.8
160°	1438.5	1438.1	1437.9	1437.4	1436.9	1436.3	1435.7	1435.1	1435.7	1436.3	1436.9
162.5°	1459.5	1459.2	1458.9	1458.6	1458.5	1458.4	1458.3	1458.1	1458.3	1458.4	1458.5
165°	1487.5	1487.5	1487.5	1487.6	1487.9	1488.2	1488.5	1488.8	1488.5	1488.2	1487.9
167.5°	1510.5	1510.5	1510.6	1511.0	1511.9	1512.8	1513.6	1514.5	1513.6	1512.8	1511.9
170°	1523.5	1523.8	1524.1	1524.6	1525.5	1526.4	1527.2	1528.1	1527.2	1526.4	1525.5
172.5°	1532.9	1533.2	1533.5	1534.1	1534.9	1535.8	1536.7	1537.5	1536.7	1535.8	1534.9
175°	1543.7	1544.3	1544.9	1545.6	1546.4	1547.3	1548.2	1549.0	1548.2	1547.3	1546.4
177.5°	1549.4	1549.9	1550.4	1551.0	1551.7	1552.4	1553.1	1553.8	1553.1	1552.4	1551.7
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	968.4	966.5	960.2	956.8	951.5	946.3	943.0	944.5	945.7	945.1	944.2
5°	940.6	933.4	922.5	913.0	906.3	893.8	888.6	886.0	883.6	881.0	878.4
7.5°	907.6	896.3	880.6	867.2	854.4	839.0	830.2	824.9	819.4	813.4	808.2
10°	884.0	868.2	851.6	832.7	817.7	803.7	791.2	782.9	775.4	768.2	763.0
12.5°	859.3	841.0	820.5	794.8	778.1	758.1	756.3	741.6	729.8	725.4	719.2
15°	819.9	794.3	768.2	737.7	724.5	706.4	695.1	683.8	673.6	666.4	664.5
17.5°	775.2	741.9	716.1	694.2	672.6	654.0	643.6	634.5	626.1	616.5	615.3
20°	741.0	712.5	684.2	664.9	642.7	623.8	611.0	601.9	594.7	589.1	584.2
22.5°	708.8	677.4	651.6	630.5	608.5	593.3	583.2	574.5	568.6	562.3	557.6
25°	657.0	632.5	604.2	580.5	562.3	552.5	544.2	536.6	532.9	528.8	523.5
27.5°	611.7	584.4	558.0	539.6	523.6	514.9	509.1	503.9	500.4	498.0	494.9
30°	579.7	552.1	531.4	513.3	500.1	491.4	487.7	484.6	480.5	479.0	477.5
32.5°	548.9	524.1	506.3	490.7	478.1	472.4	469.0	466.3	463.0	461.5	458.5
35°	505.3	484.6	467.3	458.6	448.4	443.5	440.9	437.1	434.1	432.6	432.2
37.5°	464.4	446.4	434.9	423.8	419.5	416.5	412.9	410.3	409.4	409.2	408.8
40°	437.9	423.1	412.9	403.9	402.0	397.5	394.5	392.2	392.2	392.6	392.2
42.5°	413.7	400.5	391.5	383.7	381.5	378.8	375.8	375.7	376.3	377.5	376.3
45°	377.2	367.7	361.3	357.5	353.4	350.7	350.3	351.5	351.8	352.2	353.4
47.5°	343.5	337.2	331.4	327.3	325.5	325.0	324.6	326.5	328.3	329.0	330.7
50°	323.6	316.4	311.5	308.9	307.4	306.6	307.4	309.6	311.1	313.1	314.2
52.5°	301.2	296.2	292.9	290.7	290.1	290.6	290.7	293.4	295.8	296.4	297.0
55°	270.4	266.6	265.9	262.5	264.0	263.6	265.5	267.0	269.2	271.6	272.0
57.5°	239.6	236.6	234.6	234.9	235.3	237.0	238.5	241.3	243.7	246.0	246.3
60°	219.1	217.6	216.5	216.5	217.2	219.5	221.4	224.0	225.5	227.0	228.1
62.5°	200.5	198.9	197.7	198.3	200.4	201.7	203.9	205.3	206.8	208.3	208.8
65°	170.9	170.1	171.3	172.0	172.4	174.2	176.9	178.0	179.6	180.3	182.9
67.5°	143.6	143.8	143.6	144.7	146.8	147.3	149.8	152.5	152.8	154.2	155.9
70°	125.2	125.9	126.7	127.4	129.4	130.1	132.0	133.1	134.6	135.7	136.9
72.5°	108.4	108.5	109.3	109.1	110.7	112.3	113.9	115.0	116.5	118.0	119.1
75°	83.3	83.3	84.1	84.5	86.3	88.3	87.9	88.7	90.2	91.7	92.4
77.5°	60.9	60.1	60.9	61.2	61.8	63.4	63.7	64.8	66.6	66.0	66.9
80°	46.4	45.2	46.4	46.8	46.8	48.7	48.7	49.4	50.5	49.4	50.5
82.5°	33.1	32.6	33.4	33.5	34.1	34.1	34.7	34.9	36.1	35.5	36.1
85°	16.6	16.3	16.6	16.3	16.6	17.0	17.0	16.6	16.6	17.4	16.3
87.5°	8.2	8.9	9.9	11.1	12.1	13.1	12.6	12.5	12.4	11.7	11.7
90°	15.2	20.2	26.7	33.0	39.4	45.8	45.2	44.6	44.1	43.5	43.3
92.5°	33.5	35.5	37.1	38.6	40.1	41.6	41.7	41.9	42.0	42.1	42.2
95°	79.8	81.5	82.1	82.6	83.2	83.8	83.8	83.8	83.8	83.8	83.5
97.5°	134.6	136.4	137.5	138.7	139.8	140.9	140.9	140.9	140.9	140.9	140.9
100°	175.6	177.2	178.0	178.9	179.9	180.7	180.7	180.7	180.7	180.7	180.6
102.5°	217.7	219.2	220.4	221.5	222.6	223.7	223.9	224.1	224.4	224.6	224.6
105°	285.0	285.8	286.3	286.9	287.5	288.1	288.6	289.2	289.8	290.4	290.7
107.5°	358.4	359.0	359.0	359.0	359.0	359.0	359.3	359.5	359.7	360.0	359.4
110°	406.4	407.3	407.3	407.3	407.3	407.3	407.3	407.3	407.3	407.3	406.8



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	456.7	457.4	457.2	457.0	456.7	456.5	455.8	455.0	454.3	453.6	453.0
115°	530.8	531.3	530.8	530.2	529.6	529.0	528.8	528.5	528.2	527.9	527.3
117.5°	606.9	607.3	605.6	604.0	602.4	600.8	600.1	599.4	598.6	597.9	597.2
120°	656.2	656.2	653.9	651.6	649.1	646.8	646.8	646.8	646.8	646.8	646.4
122.5°	703.1	703.7	702.1	700.4	698.7	697.1	696.4	695.8	695.1	694.4	693.7
125°	772.5	773.5	772.5	771.7	770.8	769.9	769.1	768.2	767.3	766.5	765.9
127.5°	843.7	844.9	843.8	842.7	841.7	840.6	839.6	838.6	837.5	836.5	835.5
130°	888.5	890.1	889.6	889.0	888.4	887.8	887.2	886.7	886.1	885.4	884.6
132.5°	933.9	935.5	935.6	935.7	935.8	935.9	934.7	933.4	932.1	930.9	929.8
135°	998.9	1000.7	1001.3	1001.9	1002.5	1003.0	1002.7	1002.5	1002.2	1001.9	1001.3
137.5°	1064.3	1066.0	1066.7	1067.5	1068.2	1069.0	1068.8	1068.5	1068.3	1068.1	1067.4
140°	1105.2	1107.2	1108.6	1110.1	1111.6	1113.0	1113.0	1113.0	1113.0	1113.0	1112.5
142.5°	1147.1	1148.8	1149.8	1150.8	1151.9	1152.9	1153.1	1153.3	1153.6	1153.8	1153.3
145°	1205.0	1206.9	1208.6	1210.3	1212.1	1213.9	1214.2	1214.5	1214.8	1215.0	1214.6
147.5°	1260.3	1262.1	1263.2	1264.5	1265.6	1266.8	1267.4	1268.0	1268.7	1269.3	1269.1
150°	1294.1	1295.7	1296.8	1298.0	1299.1	1300.3	1301.1	1302.0	1302.9	1303.7	1303.7
152.5°	1326.7	1328.2	1329.6	1331.0	1332.4	1333.8	1334.9	1336.1	1337.1	1338.2	1338.2
155°	1371.9	1372.7	1373.6	1374.4	1375.3	1376.2	1377.7	1379.2	1380.6	1382.0	1382.3
157.5°	1412.3	1412.9	1413.4	1413.9	1414.4	1415.0	1416.9	1419.0	1420.9	1422.9	1423.2
160°	1437.4	1437.9	1438.1	1438.5	1438.8	1439.1	1440.8	1442.6	1444.3	1446.0	1446.3
162.5°	1458.6	1458.9	1459.2	1459.5	1459.8	1460.1	1462.0	1464.0	1465.9	1467.9	1468.2
165°	1487.6	1487.5	1487.5	1487.5	1487.5	1487.5	1489.6	1491.6	1493.6	1495.7	1495.9
167.5°	1511.0	1510.6	1510.5	1510.5	1510.4	1510.3	1512.4	1514.4	1516.4	1518.4	1518.7
170°	1524.6	1524.1	1523.8	1523.5	1523.2	1522.9	1524.9	1526.9	1528.9	1531.1	1531.2
172.5°	1534.1	1533.5	1533.2	1532.9	1532.6	1532.3	1534.4	1536.4	1538.4	1540.4	1540.5
175°	1545.6	1544.9	1544.3	1543.7	1543.1	1542.5	1544.6	1546.6	1548.6	1550.6	1550.8
177.5°	1551.0	1550.4	1549.9	1549.4	1549.0	1548.5	1549.9	1551.4	1552.8	1554.1	1554.1
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	941.2	940.6	940.6	937.9	940.6	940.6	941.2	944.2	945.1	945.7	944.5
5°	873.1	871.9	870.1	871.9	870.1	871.9	873.1	878.4	881.0	883.6	886.0
7.5°	805.8	801.2	800.5	796.1	800.5	801.2	805.8	808.2	813.4	819.4	824.9
10°	756.6	753.6	753.2	746.0	753.2	753.6	756.6	763.0	768.2	775.4	782.9
12.5°	719.1	711.9	713.4	709.2	713.4	711.9	719.1	719.2	725.4	729.8	741.6
15°	654.3	654.3	652.9	646.4	652.9	654.3	654.3	664.5	666.4	673.6	683.8
17.5°	607.8	607.0	603.4	605.2	603.4	607.0	607.8	615.3	616.5	626.1	634.5
20°	580.1	577.7	573.3	573.3	573.3	577.7	580.1	584.2	589.1	594.7	601.9
22.5°	553.8	553.6	548.9	550.4	548.9	553.6	553.8	557.6	562.3	568.6	574.5
25°	523.1	520.1	517.9	519.0	517.9	520.1	523.1	523.5	528.8	532.9	536.6
27.5°	494.0	492.3	492.2	489.1	492.2	492.3	494.0	494.9	498.0	500.4	503.9
30°	477.1	473.3	474.0	472.2	474.0	473.3	477.1	477.5	479.0	480.5	484.6
32.5°	457.8	456.5	455.7	454.0	455.7	456.5	457.8	458.5	461.5	463.0	466.3
35°	431.4	431.8	429.9	430.7	429.9	431.8	431.4	432.2	432.6	434.1	437.1
37.5°	408.5	409.7	408.8	409.0	408.8	409.7	408.5	408.8	409.2	409.4	410.3
40°	393.3	393.3	393.3	394.5	393.3	393.3	393.3	392.2	392.6	392.2	392.2
42.5°	378.9	378.3	377.7	377.6	377.7	378.3	378.9	376.3	377.5	376.3	375.7
45°	354.2	355.3	355.7	353.8	355.7	355.3	354.2	353.4	352.2	351.8	351.5
47.5°	331.7	331.8	331.7	333.4	331.7	331.8	331.7	330.7	329.0	328.3	326.5
50°	316.1	315.3	316.1	315.3	316.1	315.3	316.1	314.2	313.1	311.1	309.6
52.5°	299.4	299.6	299.1	299.0	299.1	299.6	299.4	297.0	296.4	295.8	293.4
55°	273.5	274.2	273.8	273.8	273.8	274.2	273.5	272.0	271.6	269.2	267.0
57.5°	246.5	247.2	247.7	246.0	247.7	247.2	246.5	246.3	246.0	243.7	241.3
60°	227.8	229.6	229.3	228.5	229.3	229.6	227.8	228.1	227.0	225.5	224.0
62.5°	210.6	211.3	211.2	211.1	211.2	211.3	210.6	208.8	208.3	206.8	205.3
65°	184.0	184.8	183.7	184.8	183.7	184.8	184.0	182.9	180.3	179.6	178.0
67.5°	155.4	155.7	156.5	157.0	156.5	155.7	155.4	155.9	154.2	152.8	152.5
70°	137.6	137.2	138.5	139.6	138.5	137.2	137.6	136.9	135.7	134.6	133.1
72.5°	119.0	119.8	119.4	120.3	119.4	119.8	119.0	119.1	118.0	116.5	115.0
75°	91.7	92.8	92.4	93.5	92.4	92.8	91.7	92.4	91.7	90.2	88.7
77.5°	66.2	66.3	66.2	66.9	66.2	66.3	66.2	66.9	66.0	66.6	64.8
80°	50.5	49.8	49.0	50.5	49.0	49.8	50.5	50.5	49.4	50.5	49.4
82.5°	35.1	35.6	34.8	34.8	34.8	35.6	35.1	36.1	35.5	36.1	34.9
85°	16.3	15.9	15.0	15.0	15.0	15.9	16.3	16.3	17.4	16.6	16.6
87.5°	11.7	11.5	11.5	11.3	11.5	11.5	11.7	11.7	11.7	12.4	12.5
90°	43.6	43.9	44.2	44.5	44.2	43.9	43.6	43.3	43.5	44.1	44.6
92.5°	42.2	42.3	42.4	42.4	42.4	42.3	42.2	42.2	42.1	42.0	41.9
95°	82.9	82.3	81.8	81.2	81.8	82.3	82.9	83.5	83.8	83.8	83.8
97.5°	140.8	140.8	140.7	140.7	140.7	140.8	140.8	140.9	140.9	140.9	140.9
100°	180.3	180.0	179.7	179.4	179.7	180.0	180.3	180.6	180.7	180.7	180.7
102.5°	224.3	224.0	223.7	223.4	223.7	224.0	224.3	224.6	224.6	224.4	224.1
105°	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.4	289.8	289.2
107.5°	358.1	356.8	355.4	354.1	355.4	356.8	358.1	359.4	360.0	359.7	359.5
110°	406.0	405.1	404.1	403.3	404.1	405.1	406.0	406.8	407.3	407.3	407.3



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	452.3	451.7	451.1	450.4	451.1	451.7	452.3	453.0	453.6	454.3	455.0
115°	526.4	525.5	524.6	523.8	524.6	525.5	526.4	527.3	527.9	528.2	528.5
117.5°	596.3	595.4	594.6	593.7	594.6	595.4	596.3	597.2	597.9	598.6	599.4
120°	645.5	644.7	643.8	643.0	643.8	644.7	645.5	646.4	646.8	646.8	646.8
122.5°	693.1	692.4	691.8	691.2	691.8	692.4	693.1	693.7	694.4	695.1	695.8
125°	765.6	765.3	765.0	764.7	765.0	765.3	765.6	765.9	766.5	767.3	768.2
127.5°	834.6	833.6	832.7	831.7	832.7	833.6	834.6	835.5	836.5	837.5	838.6
130°	883.4	882.3	881.1	879.9	881.1	882.3	883.4	884.6	885.4	886.1	886.7
132.5°	928.9	927.9	927.0	926.0	927.0	927.9	928.9	929.8	930.9	932.1	933.4
135°	1000.4	999.6	998.7	997.7	998.7	999.6	1000.4	1001.3	1001.9	1002.2	1002.5
137.5°	1066.2	1065.1	1063.9	1062.8	1063.9	1065.1	1066.2	1067.4	1068.1	1068.3	1068.5
140°	1111.3	1110.1	1108.9	1107.8	1108.9	1110.1	1111.3	1112.5	1113.0	1113.0	1113.0
142.5°	1152.2	1150.9	1149.8	1148.6	1149.8	1150.9	1152.2	1153.3	1153.8	1153.6	1153.3
145°	1213.5	1212.2	1211.1	1209.9	1211.1	1212.2	1213.5	1214.6	1215.0	1214.8	1214.5
147.5°	1268.0	1266.9	1265.8	1264.7	1265.8	1266.9	1268.0	1269.1	1269.3	1268.7	1268.0
150°	1302.9	1302.0	1301.1	1300.3	1301.1	1302.0	1302.9	1303.7	1303.7	1302.9	1302.0
152.5°	1337.1	1336.1	1334.9	1333.8	1334.9	1336.1	1337.1	1338.2	1338.2	1337.1	1336.1
155°	1381.5	1380.6	1379.7	1378.9	1379.7	1380.6	1381.5	1382.3	1382.0	1380.6	1379.2
157.5°	1421.8	1420.4	1419.0	1417.5	1419.0	1420.4	1421.8	1423.2	1422.9	1420.9	1419.0
160°	1445.2	1444.0	1442.9	1441.7	1442.9	1444.0	1445.2	1446.3	1446.0	1444.3	1442.6
162.5°	1466.8	1465.4	1464.0	1462.7	1464.0	1465.4	1466.8	1468.2	1467.9	1465.9	1464.0
165°	1494.5	1493.1	1491.6	1490.2	1491.6	1493.1	1494.5	1495.9	1495.7	1493.6	1491.6
167.5°	1517.2	1515.7	1514.2	1512.7	1514.2	1515.7	1517.2	1518.7	1518.4	1516.4	1514.4
170°	1529.4	1527.7	1525.9	1524.2	1525.9	1527.7	1529.4	1531.2	1531.1	1528.9	1526.9
172.5°	1538.8	1537.1	1535.4	1533.6	1535.4	1537.1	1538.8	1540.5	1540.4	1538.4	1536.4
175°	1549.0	1547.3	1545.6	1543.8	1545.6	1547.3	1549.0	1550.8	1550.6	1548.6	1546.6
177.5°	1552.8	1551.4	1549.9	1548.5	1549.9	1551.4	1552.8	1554.1	1554.1	1552.8	1551.4
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	943.0	946.3	951.5	956.8	960.2	966.5	968.4	971.4	974.1	980.4	987.0
5°	888.6	893.8	906.3	913.0	922.5	933.4	940.6	948.2	956.4	970.8	984.0
7.5°	830.2	839.0	854.4	867.2	880.6	896.3	907.6	922.5	934.8	955.0	974.4
10°	791.2	803.7	817.7	832.7	851.6	868.2	884.0	902.9	918.0	942.1	964.7
12.5°	756.3	758.1	778.1	794.8	820.5	841.0	859.3	883.5	898.4	927.1	950.9
15°	695.1	706.4	724.5	737.7	768.2	794.3	819.9	845.2	862.1	897.6	928.9
17.5°	643.6	654.0	672.6	694.2	716.1	741.9	775.2	801.8	824.9	865.4	902.4
20°	611.0	623.8	642.7	664.9	684.2	712.5	741.0	771.6	796.5	842.1	885.6
22.5°	583.2	593.3	608.5	630.5	651.6	677.4	708.8	742.0	768.2	817.4	861.4
25°	544.2	552.5	562.3	580.5	604.2	632.5	657.0	693.6	731.6	777.7	830.8
27.5°	509.1	514.9	523.6	539.6	558.0	584.4	611.7	646.3	684.7	734.6	790.7
30°	487.7	491.4	500.1	513.3	531.4	552.1	579.7	612.9	652.1	702.7	758.4
32.5°	469.0	472.4	478.1	490.7	506.3	524.1	548.9	582.1	619.5	669.1	730.9
35°	440.9	443.5	448.4	458.6	467.3	484.6	505.3	535.5	570.6	618.1	682.3
37.5°	412.9	416.5	419.5	423.8	434.9	446.4	464.4	489.9	524.3	572.3	633.4
40°	394.5	397.5	402.0	403.9	412.9	423.1	437.9	461.2	495.9	539.7	599.3
42.5°	375.8	378.8	381.5	383.7	391.5	400.5	413.7	433.8	464.5	507.2	566.1
45°	350.3	350.7	353.4	357.5	361.3	367.7	377.2	394.5	418.3	458.3	511.8
47.5°	324.6	325.0	325.5	327.3	331.4	337.2	343.5	357.6	378.9	410.8	462.9
50°	307.4	306.6	307.4	308.9	311.5	316.4	323.6	333.8	351.1	380.9	428.8
52.5°	290.7	290.6	290.1	290.7	292.9	296.2	301.2	309.9	325.5	352.8	395.1
55°	265.5	263.6	264.0	262.5	265.9	266.6	270.4	277.6	291.1	310.0	349.6
57.5°	238.5	237.0	235.3	234.9	234.6	236.6	239.6	245.3	255.7	272.3	304.4
60°	221.4	219.5	217.2	216.5	216.5	217.6	219.1	223.3	233.1	247.8	274.2
62.5°	203.9	201.7	200.4	198.3	197.7	198.9	200.5	203.4	210.5	224.3	247.0
65°	176.9	174.2	172.4	172.0	171.3	170.1	170.9	173.9	179.6	190.5	208.5
67.5°	149.8	147.3	146.8	144.7	143.6	143.8	143.6	146.2	149.6	159.0	172.5
70°	132.0	130.1	129.4	127.4	126.7	125.9	125.2	127.4	130.9	138.8	150.5
72.5°	113.9	112.3	110.7	109.1	109.3	108.5	108.4	109.7	112.5	119.8	128.8
75°	87.9	88.3	86.3	84.5	84.1	83.3	83.3	84.5	85.6	91.3	98.5
77.5°	63.7	63.4	61.8	61.2	60.9	60.1	60.9	61.6	62.2	66.0	71.3
80°	48.7	48.7	46.8	46.8	46.4	45.2	46.4	45.6	47.2	50.9	54.7
82.5°	34.7	34.1	34.1	33.5	33.4	32.6	33.1	33.8	34.4	37.1	39.3
85°	17.0	17.0	16.6	16.3	16.6	16.3	16.6	17.0	17.4	18.5	20.4
87.5°	12.6	13.1	12.1	11.1	9.9	8.9	8.2	7.8	7.7	7.3	6.9
90°	45.2	45.8	39.4	33.0	26.7	20.2	15.2	11.8	8.3	4.8	1.3
92.5°	41.7	41.6	40.1	38.6	37.1	35.5	33.5	31.0	28.5	25.9	23.3
95°	83.8	83.8	83.2	82.6	82.1	81.5	79.8	76.9	73.9	71.0	68.1
97.5°	140.9	140.9	139.8	138.7	137.5	136.4	134.6	132.1	129.6	126.9	124.4
100°	180.7	180.7	179.9	178.9	178.0	177.2	175.6	173.3	171.0	168.6	166.3
102.5°	223.9	223.7	222.6	221.5	220.4	219.2	217.7	215.9	214.0	212.2	210.3
105°	288.6	288.1	287.5	286.9	286.3	285.8	285.0	284.2	283.3	282.4	281.6
107.5°	359.3	359.0	359.0	359.0	359.0	359.0	358.4	357.1	355.9	354.6	353.3
110°	407.3	407.3	407.3	407.3	407.3	407.3	406.4	404.7	402.8	401.1	399.4



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	455.8	456.5	456.7	457.0	457.2	457.4	456.7	454.9	453.1	451.4	449.7
115°	528.8	529.0	529.6	530.2	530.8	531.3	530.8	529.0	527.3	525.5	523.8
117.5°	600.1	600.8	602.4	604.0	605.6	607.3	606.9	604.6	602.3	600.0	597.6
120°	646.8	646.8	649.1	651.6	653.9	656.2	656.2	653.9	651.6	649.1	646.8
122.5°	696.4	697.1	698.7	700.4	702.1	703.7	703.1	700.2	697.5	694.7	691.9
125°	769.1	769.9	770.8	771.7	772.5	773.5	772.5	769.9	767.3	764.7	762.0
127.5°	839.6	840.6	841.7	842.7	843.8	844.9	843.7	840.4	837.1	833.7	830.4
130°	887.2	887.8	888.4	889.0	889.6	890.1	888.5	884.7	881.0	877.2	873.4
132.5°	934.7	935.9	935.8	935.7	935.6	935.5	933.9	930.8	927.8	924.6	921.6
135°	1002.7	1003.0	1002.5	1001.9	1001.3	1000.7	998.9	995.6	992.4	989.2	986.0
137.5°	1068.8	1069.0	1068.2	1067.5	1066.7	1066.0	1064.3	1061.7	1059.0	1056.4	1053.8
140°	1113.0	1113.0	1111.6	1110.1	1108.6	1107.2	1105.2	1102.6	1099.9	1097.3	1094.7
142.5°	1153.1	1152.9	1151.9	1150.8	1149.8	1148.8	1147.1	1144.5	1141.9	1139.2	1136.6
145°	1214.2	1213.9	1212.1	1210.3	1208.6	1206.9	1205.0	1203.0	1200.9	1198.9	1196.8
147.5°	1267.4	1266.8	1265.6	1264.5	1263.2	1262.1	1260.3	1257.9	1255.4	1252.9	1250.5
150°	1301.1	1300.3	1299.1	1298.0	1296.8	1295.7	1294.1	1292.4	1290.7	1288.9	1287.2
152.5°	1334.9	1333.8	1332.4	1331.0	1329.6	1328.2	1326.7	1324.8	1323.1	1321.4	1319.7
155°	1377.7	1376.2	1375.3	1374.4	1373.6	1372.7	1371.9	1371.0	1370.1	1369.3	1368.4
157.5°	1416.9	1415.0	1414.4	1413.9	1413.4	1412.9	1412.3	1411.8	1411.2	1410.6	1410.0
160°	1440.8	1439.1	1438.8	1438.5	1438.1	1437.9	1437.4	1436.9	1436.3	1435.7	1435.1
162.5°	1462.0	1460.1	1459.8	1459.5	1459.2	1458.9	1458.6	1458.5	1458.4	1458.3	1458.1
165°	1489.6	1487.5	1487.5	1487.5	1487.5	1487.5	1487.6	1487.9	1488.2	1488.5	1488.8
167.5°	1512.4	1510.3	1510.4	1510.5	1510.5	1510.6	1511.0	1511.9	1512.8	1513.6	1514.5
170°	1524.9	1522.9	1523.2	1523.5	1523.8	1524.1	1524.6	1525.5	1526.4	1527.2	1528.1
172.5°	1534.4	1532.3	1532.6	1532.9	1533.2	1533.5	1534.1	1534.9	1535.8	1536.7	1537.5
175°	1544.6	1542.5	1543.1	1543.7	1544.3	1544.9	1545.6	1546.4	1547.3	1548.2	1549.0
177.5°	1549.9	1548.5	1549.0	1549.4	1549.9	1550.4	1551.0	1551.7	1552.4	1553.1	1553.8
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	986.4	988.0	992.8	997.6	1003.0	1004.5	1006.9	1004.8	1004.2	1010.0	1014.2
5°	989.3	996.0	1009.3	1021.3	1031.5	1038.6	1046.2	1049.2	1054.9	1062.8	1072.6
7.5°	986.0	999.3	1020.1	1037.6	1056.7	1070.6	1081.4	1090.6	1101.7	1116.7	1133.1
10°	982.5	1000.2	1025.4	1046.9	1070.4	1088.0	1102.8	1117.1	1133.7	1154.5	1175.9
12.5°	975.8	996.8	1028.4	1053.9	1083.9	1101.4	1121.2	1152.1	1169.9	1198.8	1229.0
15°	962.5	985.8	1030.0	1061.3	1095.2	1128.4	1165.0	1194.4	1223.9	1240.8	1283.4
17.5°	942.6	976.9	1025.8	1062.4	1105.5	1157.7	1198.8	1232.2	1266.2	1293.6	1315.0
20°	926.7	964.0	1019.8	1063.6	1114.8	1171.0	1218.2	1252.1	1281.5	1304.5	1317.8
22.5°	906.5	953.4	1007.7	1059.0	1124.5	1180.1	1229.6	1256.4	1280.9	1292.1	1297.2
25°	874.5	931.2	992.6	1055.2	1129.1	1188.0	1233.2	1249.5	1256.7	1245.7	1227.6
27.5°	840.3	903.3	975.2	1048.1	1126.3	1182.9	1215.3	1212.7	1200.6	1165.2	1136.9
30°	814.7	884.0	961.3	1040.9	1119.3	1174.4	1193.3	1174.4	1146.9	1107.3	1066.9
32.5°	787.8	859.6	946.5	1030.7	1106.7	1155.1	1159.2	1126.7	1084.1	1039.2	988.8
35°	747.1	824.9	918.7	1007.7	1079.7	1110.3	1092.2	1034.9	984.3	922.9	854.2
37.5°	701.1	787.0	881.1	974.1	1039.5	1047.4	1002.5	942.1	870.8	798.6	717.8
40°	666.8	757.7	854.6	948.5	1006.2	997.9	940.6	874.2	789.3	701.1	626.0
42.5°	636.0	726.9	825.7	917.8	964.0	941.2	874.2	792.7	701.6	618.4	549.8
45°	582.7	676.2	777.3	866.3	892.7	851.6	763.0	672.5	582.7	513.3	459.0
47.5°	531.0	623.4	723.5	801.7	811.1	755.8	658.9	565.8	488.7	432.1	393.8
50°	492.9	585.7	684.9	754.7	751.6	684.9	585.3	496.7	432.2	386.6	360.9
52.5°	458.8	546.4	641.8	705.2	689.2	616.4	521.4	442.7	389.7	354.0	330.7
55°	405.8	486.9	577.4	628.3	599.0	518.2	437.9	374.5	335.3	308.5	290.4
57.5°	353.1	429.2	506.6	538.1	505.5	431.0	364.1	318.1	288.6	268.7	257.0
60°	320.5	387.0	456.0	483.1	444.2	377.9	325.1	284.0	260.2	244.0	233.5
62.5°	288.0	347.4	412.5	427.3	391.7	335.7	288.9	254.7	235.2	220.8	210.9
65°	243.7	292.3	341.7	351.5	318.7	275.3	238.3	216.1	198.7	188.2	180.3
67.5°	199.9	238.8	273.9	281.8	253.1	223.0	196.2	176.9	165.1	156.3	149.7
70°	173.9	204.8	233.5	239.8	216.8	190.1	169.8	154.2	143.7	136.1	129.8
72.5°	146.4	172.2	196.0	200.4	181.6	161.1	144.4	132.2	122.9	118.1	111.9
75°	112.0	127.1	145.6	146.7	134.3	121.8	109.0	101.1	96.1	90.2	87.2
77.5°	79.1	90.9	101.5	103.5	96.1	87.7	80.5	74.2	70.1	67.3	64.5
80°	60.4	69.8	74.3	77.0	71.7	65.6	61.5	57.4	54.7	52.8	50.9
82.5°	43.1	49.0	53.2	55.2	52.3	48.8	44.5	42.2	40.2	38.6	38.0
85°	21.9	24.5	27.2	27.9	27.2	25.7	23.4	23.4	22.2	21.9	21.9
87.5°	8.5	10.4	11.1	12.7	13.1	14.3	15.7	16.7	17.6	17.2	16.8
90°	4.8	8.3	11.8	15.2	20.2	26.7	33.0	39.4	45.8	45.2	44.6
92.5°	25.9	28.5	31.0	33.5	35.5	37.1	38.6	40.1	41.6	41.7	41.9
95°	71.0	73.9	76.9	79.8	81.5	82.1	82.6	83.2	83.8	83.8	83.8
97.5°	126.9	129.6	132.1	134.6	136.4	137.5	138.7	139.8	140.9	140.9	140.9
100°	168.6	171.0	173.3	175.6	177.2	178.0	178.9	179.9	180.7	180.7	180.7
102.5°	212.2	214.0	215.9	217.7	219.2	220.4	221.5	222.6	223.7	223.9	224.1
105°	282.4	283.3	284.2	285.0	285.8	286.3	286.9	287.5	288.1	288.6	289.2
107.5°	354.6	355.9	357.1	358.4	359.0	359.0	359.0	359.0	359.0	359.3	359.5
110°	401.1	402.8	404.7	406.4	407.3	407.3	407.3	407.3	407.3	407.3	407.3



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	451.4	453.1	454.9	456.7	457.4	457.2	457.0	456.7	456.5	455.8	455.0
115°	525.5	527.3	529.0	530.8	531.3	530.8	530.2	529.6	529.0	528.8	528.5
117.5°	600.0	602.3	604.6	606.9	607.3	605.6	604.0	602.4	600.8	600.1	599.4
120°	649.1	651.6	653.9	656.2	656.2	653.9	651.6	649.1	646.8	646.8	646.8
122.5°	694.7	697.5	700.2	703.1	703.7	702.1	700.4	698.7	697.1	696.4	695.8
125°	764.7	767.3	769.9	772.5	773.5	772.5	771.7	770.8	769.9	769.1	768.2
127.5°	833.7	837.1	840.4	843.7	844.9	843.8	842.7	841.7	840.6	839.6	838.6
130°	877.2	881.0	884.7	888.5	890.1	889.6	889.0	888.4	887.8	887.2	886.7
132.5°	924.6	927.8	930.8	933.9	935.5	935.6	935.7	935.8	935.9	934.7	933.4
135°	989.2	992.4	995.6	998.9	1000.7	1001.3	1001.9	1002.5	1003.0	1002.7	1002.5
137.5°	1056.4	1059.0	1061.7	1064.3	1066.0	1066.7	1067.5	1068.2	1069.0	1068.8	1068.5
140°	1097.3	1099.9	1102.6	1105.2	1107.2	1108.6	1110.1	1111.6	1113.0	1113.0	1113.0
142.5°	1139.2	1141.9	1144.5	1147.1	1148.8	1149.8	1150.8	1151.9	1152.9	1153.1	1153.3
145°	1198.9	1200.9	1203.0	1205.0	1206.9	1208.6	1210.3	1212.1	1213.9	1214.2	1214.5
147.5°	1252.9	1255.4	1257.9	1260.3	1262.1	1263.2	1264.5	1265.6	1266.8	1267.4	1268.0
150°	1288.9	1290.7	1292.4	1294.1	1295.7	1296.8	1298.0	1299.1	1300.3	1301.1	1302.0
152.5°	1321.4	1323.1	1324.8	1326.7	1328.2	1329.6	1331.0	1332.4	1333.8	1334.9	1336.1
155°	1369.3	1370.1	1371.0	1371.9	1372.7	1373.6	1374.4	1375.3	1376.2	1377.7	1379.2
157.5°	1410.6	1411.2	1411.8	1412.3	1412.9	1413.4	1413.9	1414.4	1415.0	1416.9	1419.0
160°	1435.7	1436.3	1436.9	1437.4	1437.9	1438.1	1438.5	1438.8	1439.1	1440.8	1442.6
162.5°	1458.3	1458.4	1458.5	1458.6	1458.9	1459.2	1459.5	1459.8	1460.1	1462.0	1464.0
165°	1488.5	1488.2	1487.9	1487.6	1487.5	1487.5	1487.5	1487.5	1487.5	1489.6	1491.6
167.5°	1513.6	1512.8	1511.9	1511.0	1510.6	1510.5	1510.5	1510.4	1510.3	1512.4	1514.4
170°	1527.2	1526.4	1525.5	1524.6	1524.1	1523.8	1523.5	1523.2	1522.9	1524.9	1526.9
172.5°	1536.7	1535.8	1534.9	1534.1	1533.5	1533.2	1532.9	1532.6	1532.3	1534.4	1536.4
175°	1548.2	1547.3	1546.4	1545.6	1544.9	1544.3	1543.7	1543.1	1542.5	1544.6	1546.6
177.5°	1553.1	1552.4	1551.7	1551.0	1550.4	1549.9	1549.4	1549.0	1548.5	1549.9	1551.4
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	981.3	981.3	981.3	981.3	981.3	981.3	981.3
2.5°	1017.8	1022.1	1022.1	1022.7	1027.4	1026.9	1026.6
5°	1083.2	1089.5	1090.4	1097.1	1101.7	1100.1	1096.0
7.5°	1144.8	1156.7	1165.8	1170.8	1176.8	1180.4	1178.8
10°	1193.7	1211.0	1221.5	1228.7	1237.4	1243.9	1241.5
12.5°	1238.0	1258.7	1273.1	1285.5	1286.6	1294.8	1289.2
15°	1307.2	1329.1	1331.3	1340.4	1347.6	1346.8	1347.2
17.5°	1330.0	1337.1	1338.5	1338.7	1338.8	1336.2	1330.4
20°	1321.9	1319.3	1312.8	1308.0	1299.3	1298.1	1290.6
22.5°	1283.2	1274.9	1258.8	1248.2	1234.7	1231.1	1229.0
25°	1207.2	1188.7	1163.1	1138.6	1131.8	1118.6	1122.4
27.5°	1102.9	1074.1	1046.3	1026.4	1008.5	988.7	994.3
30°	1029.6	997.1	958.0	927.8	908.6	889.7	886.3
32.5°	942.1	894.5	850.8	824.3	794.8	782.8	769.8
35°	791.2	744.9	701.5	664.2	642.7	626.0	611.0
37.5°	655.5	602.2	567.1	536.9	521.4	511.9	514.2
40°	571.4	524.6	499.0	475.9	461.6	454.8	456.4
42.5°	503.2	468.2	447.1	431.3	421.2	417.4	416.5
45°	425.8	406.2	388.8	379.8	374.9	370.7	368.1
47.5°	373.0	357.0	347.2	341.8	337.5	333.4	333.3
50°	341.3	330.7	324.0	318.3	314.9	311.8	314.6
52.5°	317.2	307.5	300.7	295.7	294.4	291.6	291.6
55°	281.3	273.8	268.9	264.4	262.2	260.6	258.7
57.5°	248.7	241.6	237.1	234.2	229.9	228.4	227.8
60°	225.5	219.8	215.3	211.6	209.6	206.7	206.7
62.5°	204.1	198.4	194.2	191.4	188.2	187.0	187.3
65°	173.1	168.5	164.4	161.4	160.7	158.4	159.2
67.5°	144.6	141.6	137.2	135.5	134.1	132.9	132.0
70°	125.6	122.6	120.3	118.1	116.9	116.9	116.9
72.5°	109.6	105.9	104.6	101.8	102.4	101.2	100.0
75°	84.8	82.6	81.5	80.3	78.5	78.5	78.5
77.5°	62.4	61.8	60.4	59.2	58.8	58.4	58.6
80°	48.3	47.9	47.2	47.2	46.4	46.0	45.2
82.5°	37.1	36.2	35.6	35.3	35.2	35.1	35.0
85°	21.1	20.4	20.4	20.7	20.0	20.0	20.4
87.5°	17.0	16.9	16.6	16.6	17.0	16.7	16.8
90°	44.1	43.5	43.3	43.6	43.9	44.2	44.5
92.5°	42.0	42.1	42.2	42.2	42.3	42.4	42.4
95°	83.8	83.8	83.5	82.9	82.3	81.8	81.2
97.5°	140.9	140.9	140.9	140.8	140.8	140.7	140.7
100°	180.7	180.7	180.6	180.3	180.0	179.7	179.4
102.5°	224.4	224.6	224.6	224.3	224.0	223.7	223.4
105°	289.8	290.4	290.7	290.7	290.7	290.7	290.7
107.5°	359.7	360.0	359.4	358.1	356.8	355.4	354.1
110°	407.3	407.3	406.8	406.0	405.1	404.1	403.3



TEST NUMBER: P331514-840

CATALOG NUMBER: S122DIW-S485D1240U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	454.3	453.6	453.0	452.3	451.7	451.1	450.4
115°	528.2	527.9	527.3	526.4	525.5	524.6	523.8
117.5°	598.6	597.9	597.2	596.3	595.4	594.6	593.7
120°	646.8	646.8	646.4	645.5	644.7	643.8	643.0
122.5°	695.1	694.4	693.7	693.1	692.4	691.8	691.2
125°	767.3	766.5	765.9	765.6	765.3	765.0	764.7
127.5°	837.5	836.5	835.5	834.6	833.6	832.7	831.7
130°	886.1	885.4	884.6	883.4	882.3	881.1	879.9
132.5°	932.1	930.9	929.8	928.9	927.9	927.0	926.0
135°	1002.2	1001.9	1001.3	1000.4	999.6	998.7	997.7
137.5°	1068.3	1068.1	1067.4	1066.2	1065.1	1063.9	1062.8
140°	1113.0	1113.0	1112.5	1111.3	1110.1	1108.9	1107.8
142.5°	1153.6	1153.8	1153.3	1152.2	1150.9	1149.8	1148.6
145°	1214.8	1215.0	1214.6	1213.5	1212.2	1211.1	1209.9
147.5°	1268.7	1269.3	1269.1	1268.0	1266.9	1265.8	1264.7
150°	1302.9	1303.7	1303.7	1302.9	1302.0	1301.1	1300.3
152.5°	1337.1	1338.2	1338.2	1337.1	1336.1	1334.9	1333.8
155°	1380.6	1382.0	1382.3	1381.5	1380.6	1379.7	1378.9
157.5°	1420.9	1422.9	1423.2	1421.8	1420.4	1419.0	1417.5
160°	1444.3	1446.0	1446.3	1445.2	1444.0	1442.9	1441.7
162.5°	1465.9	1467.9	1468.2	1466.8	1465.4	1464.0	1462.7
165°	1493.6	1495.7	1495.9	1494.5	1493.1	1491.6	1490.2
167.5°	1516.4	1518.4	1518.7	1517.2	1515.7	1514.2	1512.7
170°	1528.9	1531.1	1531.2	1529.4	1527.7	1525.9	1524.2
172.5°	1538.4	1540.4	1540.5	1538.8	1537.1	1535.4	1533.6
175°	1548.6	1550.6	1550.8	1549.0	1547.3	1545.6	1543.8
177.5°	1552.8	1554.1	1554.1	1552.8	1551.4	1549.9	1548.5
180°	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7	1551.7

(END OF REPORT)