

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: P333412-935

Luminaire Tested: **S125DIW-S850D1050U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333412-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S850D1050U935-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6582.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

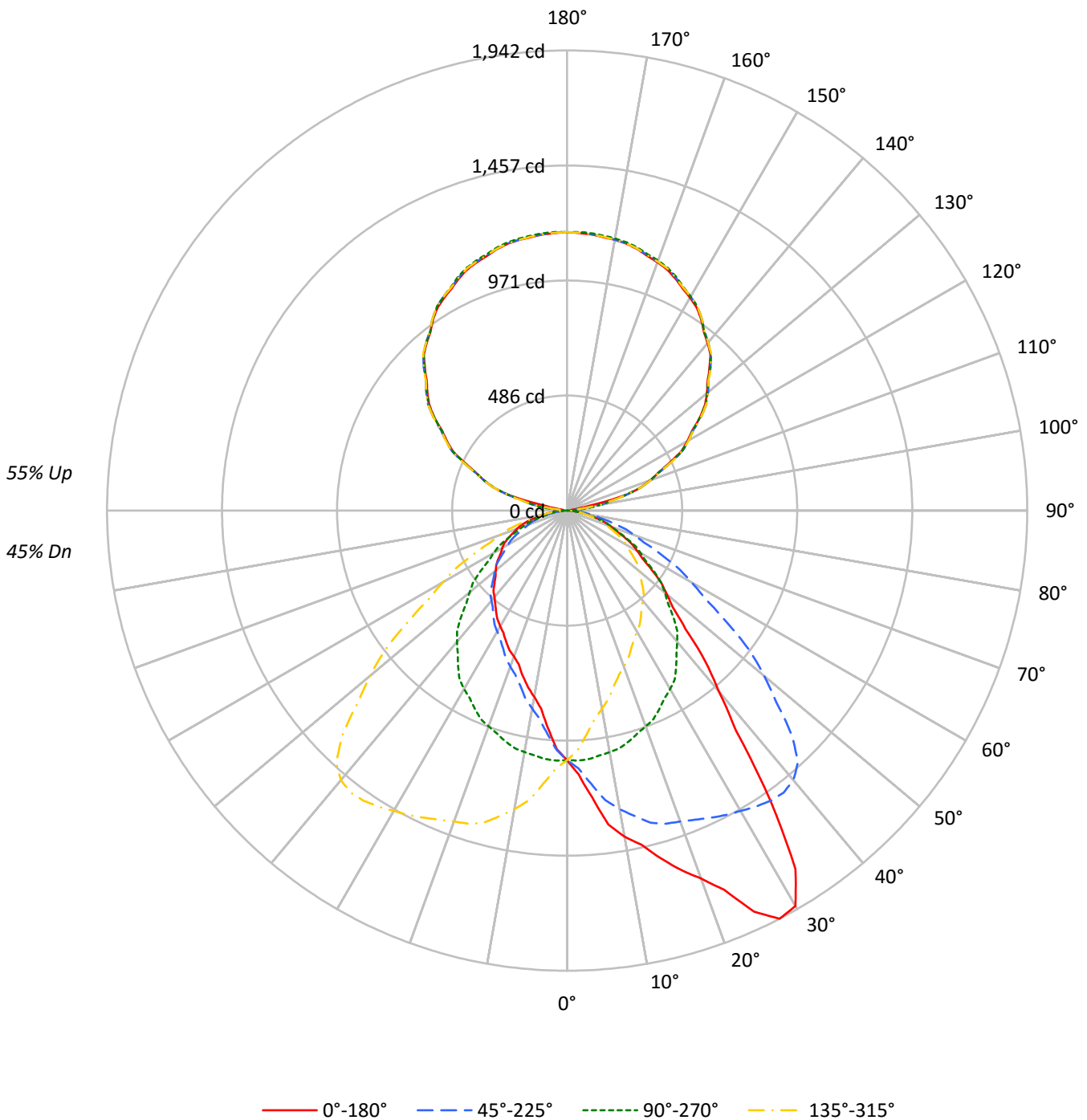
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	88	81	75	70	81	75	69	65	62	59	55	51	49	46	41	39	37	33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	28	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	17	15	13
10	46	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6803	6803	6803	6803
5°	7878	6825	5977	6825
10°	9165	6790	5237	6790
15°	10146	6740	4831	6740
20°	11357	6661	4504	6661
25°	13304	6572	4345	6572
30°	14370	6485	4207	6485
35°	11815	6320	4117	6320
40°	8398	6091	4018	6091
45°	6452	5782	3961	5782
50°	5507	5399	3953	5399
55°	4904	5024	3987	5024
60°	4423	4614	4088	4614
65°	4085	4201	4195	4201
70°	3714	3773	4254	3773
75°	3281	3324	4217	3324
80°	2760	2708	3861	2708
85°	2186	1949	3112	1949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	1.5
10°-20°	301.9	4.6
20°-30°	490.2	7.4
30°-40°	598.0	9.1
40°-50°	544.0	8.3
50°-60°	433.3	6.6
60°-70°	301.8	4.6
70°-80°	160.9	2.4
80°-90°	43.1	0.7
90°-100°	42.7	0.6
100°-110°	263.1	4.0
110°-120°	477.1	7.2
120°-130°	612.4	9.3
130°-140°	658.7	10.0
140°-150°	618.2	9.4
150°-160°	500.1	7.6
160°-170°	323.4	4.9
170°-180°	111.6	1.7
0°-30°	893.6	13.6
0°-40°	1491.6	22.7
0°-60°	2468.9	37.5
0°-90°	2974.7	45.2
90°-120°	782.9	11.9
90°-150°	2672.2	40.6
90°-180°	3607.0	54.8
0°-180°	6582.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1215	1053	922	1053	1215	122
15°	1517	1008	722	1008	1517	434
25°	1867	922	610	922	1867	853
35°	1499	802	522	802	1499	917
45°	706	633	434	633	706	565
55°	436	446	354	446	436	392
65°	267	275	274	275	267	265
75°	132	133	169	133	132	142
85°	30	26	42	26	30	35
90°	21	1	21	1	21	10
95°	18	50	18	50	18	15
105°	259	256	259	256	259	234
115°	477	481	477	481	477	474
125°	684	684	684	684	684	608
135°	849	852	849	852	849	655
145°	986	988	986	988	986	616
155°	1081	1088	1081	1088	1081	498
165°	1142	1149	1142	1149	1142	322
175°	1170	1175	1170	1175	1170	111
180°	1175	1175	1175	1175	1175	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1114.1	1112.7	1111.3	1108.4	1110.5	1104.5	1101.6	1096.6	1090.5	1088.4	1085.9
5°	1215.1	1217.4	1219.6	1210.2	1211.2	1204.9	1190.6	1179.0	1169.6	1157.5	1149.0
7.5°	1336.8	1331.5	1331.0	1325.0	1314.5	1306.1	1291.1	1272.0	1253.4	1232.3	1214.9
10°	1397.6	1398.0	1394.0	1386.8	1375.7	1367.6	1348.0	1329.1	1306.4	1279.5	1260.3
12.5°	1443.4	1445.2	1440.1	1430.5	1425.0	1407.0	1391.5	1369.2	1342.1	1320.7	1291.4
15°	1517.4	1512.4	1508.9	1496.8	1487.5	1468.7	1444.1	1420.8	1391.3	1364.0	1336.8
17.5°	1588.7	1592.7	1586.0	1574.9	1545.8	1523.9	1490.9	1459.1	1422.4	1385.8	1353.2
20°	1652.4	1656.0	1645.7	1626.5	1591.6	1569.7	1526.3	1485.2	1442.7	1395.8	1360.0
22.5°	1731.8	1729.0	1715.1	1685.8	1655.6	1615.1	1568.1	1518.1	1464.9	1411.9	1364.3
25°	1867.0	1848.2	1839.7	1803.5	1763.8	1704.3	1639.9	1566.6	1500.4	1430.2	1369.4
27.5°	1941.9	1936.0	1926.6	1901.3	1859.5	1796.0	1720.0	1630.6	1537.3	1448.7	1369.2
30°	1926.9	1927.8	1928.7	1920.6	1893.9	1846.0	1770.5	1674.3	1563.4	1463.7	1371.7
32.5°	1793.9	1810.2	1825.7	1844.1	1851.6	1842.5	1795.1	1708.3	1594.2	1480.9	1370.2
35°	1498.6	1503.6	1554.0	1604.1	1672.1	1724.8	1760.1	1721.7	1625.6	1495.5	1368.5
37.5°	1168.5	1192.7	1227.6	1284.2	1382.2	1470.1	1583.0	1635.0	1604.0	1500.2	1365.4
40°	996.1	1018.5	1041.2	1098.9	1181.6	1288.1	1416.3	1525.9	1551.3	1485.2	1354.6
42.5°	863.1	880.7	906.0	949.4	1018.6	1112.8	1235.4	1378.5	1466.6	1441.6	1332.1
45°	706.4	717.6	737.3	771.6	821.7	895.5	1003.7	1160.2	1296.5	1341.7	1278.7
47.5°	604.6	604.5	619.8	643.6	679.8	742.4	822.4	945.0	1090.7	1198.4	1193.4
50°	548.1	545.9	557.9	578.5	607.1	648.7	725.1	823.0	963.0	1085.0	1119.0
52.5°	499.5	499.7	507.1	522.4	546.3	581.9	638.9	727.2	846.8	972.1	1036.0
55°	435.5	433.7	442.1	452.5	469.8	493.1	534.3	601.8	698.8	822.2	905.3
57.5°	376.8	381.7	385.1	392.3	406.7	422.3	457.0	506.5	583.5	689.4	777.3
60°	342.4	347.4	350.1	357.2	368.9	382.3	409.1	449.4	514.1	605.4	692.5
62.5°	311.7	315.6	316.4	322.9	332.3	345.4	366.5	400.3	451.5	531.3	616.7
65°	267.3	267.3	269.1	275.9	280.3	292.0	308.1	332.6	373.8	435.9	508.8
67.5°	224.6	226.8	226.3	229.3	233.4	242.4	253.9	274.2	304.7	350.1	408.4
70°	196.7	198.5	198.0	200.3	204.7	210.6	220.0	239.2	261.1	300.0	350.1
72.5°	171.7	172.4	171.3	174.2	176.8	181.9	192.4	202.7	223.2	256.0	297.1
75°	131.5	132.3	133.2	135.0	137.7	140.3	145.8	156.0	169.4	194.1	220.4
77.5°	98.5	96.9	99.0	98.8	100.2	102.3	107.0	112.4	123.5	139.1	159.5
80°	74.2	74.6	74.6	75.1	77.3	78.7	82.7	86.7	95.2	106.9	121.1
82.5°	54.2	55.4	54.7	55.4	57.3	58.3	60.5	63.8	68.8	77.9	88.3
85°	29.5	27.3	28.2	29.1	29.1	29.5	31.3	32.6	35.3	38.9	42.9
87.5°	12.7	13.3	13.6	13.5	13.7	13.6	14.8	14.6	15.5	16.4	17.6
90°	20.9	20.3	19.7	19.2	18.6	17.8	16.9	15.8	14.9	13.9	12.6
92.5°	19.5	19.2	18.9	18.7	18.4	17.8	16.9	15.8	14.9	13.9	12.7
95°	18.3	18.3	18.3	18.3	18.3	17.8	16.9	15.8	14.9	13.9	21.3
97.5°	18.3	18.3	18.3	18.3	18.3	21.0	26.4	31.9	37.4	42.9	57.4
100°	18.3	19.0	19.8	20.6	21.4	36.2	65.0	93.8	122.7	151.5	150.8
102.5°	109.5	122.7	135.9	149.0	162.2	171.5	176.9	182.4	187.9	193.3	192.9
105°	258.6	258.8	259.0	259.2	259.4	259.5	259.5	259.5	259.5	259.5	259.5
107.5°	326.1	326.6	327.2	327.8	328.4	328.6	328.6	328.6	328.5	328.5	328.0
110°	372.7	372.5	372.3	372.1	372.0	372.1	372.7	373.2	373.8	374.4	374.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	414.5	414.7	415.0	415.3	415.6	416.1	416.8	417.6	418.3	419.0	418.8
115°	477.2	478.4	479.5	480.7	481.8	482.8	483.5	484.3	485.1	485.9	485.7
117.5°	544.1	544.6	545.1	545.6	546.0	546.8	547.9	548.9	549.8	550.9	550.1
120°	585.1	586.2	587.1	588.1	589.0	589.7	590.1	590.5	590.9	591.2	590.6
122.5°	624.2	625.3	626.5	627.6	628.7	629.4	629.8	630.2	630.6	630.9	630.7
125°	683.5	684.2	684.8	685.4	685.9	686.6	687.3	688.1	688.9	689.7	689.7
127.5°	733.6	734.9	736.4	737.9	739.3	740.2	740.6	741.1	741.5	741.9	742.0
130°	769.8	770.8	771.7	772.7	773.6	774.4	775.0	775.6	776.2	776.7	776.5
132.5°	803.2	804.2	805.1	806.2	807.1	807.6	807.7	807.9	808.0	808.1	808.5
135°	849.0	850.2	851.4	852.5	853.7	854.5	854.8	855.2	855.6	856.0	856.4
137.5°	895.0	896.0	897.0	898.0	899.1	899.5	899.4	899.3	899.2	899.1	899.5
140°	922.1	923.3	924.5	925.7	926.8	927.2	926.8	926.4	926.0	925.7	925.8
142.5°	948.0	949.1	950.3	951.4	952.6	953.1	953.0	953.0	952.9	952.8	952.5
145°	985.8	986.9	988.1	989.2	990.4	990.8	990.7	990.5	990.3	990.1	990.1
147.5°	1016.9	1018.3	1019.7	1021.1	1022.5	1023.0	1022.9	1022.6	1022.4	1022.1	1021.9
150°	1037.1	1038.6	1040.2	1041.7	1043.3	1043.9	1043.5	1043.1	1042.8	1042.3	1042.0
152.5°	1055.9	1057.3	1058.7	1060.1	1061.5	1062.0	1061.6	1061.2	1060.8	1060.4	1060.1
155°	1080.6	1082.2	1083.7	1085.3	1086.8	1087.4	1086.8	1086.2	1085.5	1085.0	1084.6
157.5°	1101.4	1102.9	1104.5	1106.0	1107.6	1108.0	1107.4	1106.8	1106.2	1105.5	1105.5
160°	1114.7	1116.2	1117.8	1119.3	1120.8	1121.2	1120.4	1119.6	1118.9	1118.1	1117.9
162.5°	1126.4	1128.2	1129.9	1131.5	1133.2	1133.6	1132.5	1131.4	1130.3	1129.2	1129.0
165°	1142.5	1144.0	1145.6	1147.1	1148.7	1148.8	1147.7	1146.5	1145.4	1144.2	1144.0
167.5°	1153.7	1155.4	1157.1	1158.8	1160.6	1160.8	1159.3	1158.0	1156.6	1155.2	1155.0
170°	1159.9	1161.7	1163.4	1165.1	1166.8	1167.0	1165.4	1163.9	1162.4	1160.8	1160.5
172.5°	1164.1	1165.8	1167.5	1169.3	1171.0	1171.2	1169.8	1168.5	1167.0	1165.6	1165.3
175°	1169.5	1171.2	1172.9	1174.7	1176.5	1176.6	1175.0	1173.5	1171.9	1170.4	1170.2
177.5°	1172.6	1173.9	1175.1	1176.3	1177.6	1177.7	1176.6	1175.4	1174.4	1173.3	1173.1
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1083.7	1081.2	1078.3	1073.3	1067.3	1064.0	1059.0	1055.8	1049.4	1044.0	1038.3
5°	1138.7	1127.0	1116.4	1102.5	1087.3	1077.5	1065.8	1052.8	1039.5	1025.6	1010.4
7.5°	1195.7	1175.1	1152.7	1128.7	1105.2	1083.6	1062.9	1042.6	1023.6	1000.7	981.4
10°	1233.9	1208.0	1180.3	1147.6	1115.9	1088.2	1060.1	1035.4	1010.4	983.6	959.8
12.5°	1272.2	1237.7	1198.5	1162.7	1124.5	1091.1	1057.9	1026.5	995.1	965.4	937.7
15°	1299.2	1268.8	1232.6	1181.6	1138.7	1092.7	1048.9	1008.1	970.2	937.1	902.2
17.5°	1317.0	1277.8	1239.0	1190.1	1133.8	1082.3	1032.7	986.1	943.2	901.3	867.7
20°	1320.3	1280.0	1239.3	1191.5	1133.8	1074.8	1025.2	969.2	923.3	879.9	838.7
22.5°	1319.1	1273.6	1229.2	1180.0	1123.8	1069.4	1009.4	952.4	902.5	859.8	816.9
25°	1309.1	1260.3	1204.9	1155.3	1099.8	1042.2	981.4	922.3	871.3	822.6	780.2
27.5°	1300.6	1237.4	1174.7	1116.8	1063.2	1010.4	952.2	891.7	835.3	785.8	745.8
30°	1290.3	1221.0	1150.3	1089.9	1035.0	983.6	928.6	869.6	810.5	762.2	719.4
32.5°	1281.0	1200.2	1125.7	1060.0	1001.7	951.7	901.0	844.9	787.0	738.0	695.0
35°	1263.0	1169.6	1084.2	1010.0	947.8	896.4	853.9	801.6	748.4	701.0	659.9
37.5°	1240.2	1129.3	1037.7	959.8	891.7	837.6	798.1	757.9	706.8	661.2	624.0
40°	1222.3	1100.7	1003.7	924.1	853.5	797.1	760.5	722.5	680.0	637.6	598.2
42.5°	1199.8	1075.0	969.4	883.7	813.7	758.9	720.4	688.1	650.7	611.1	574.5
45°	1158.4	1028.3	913.9	821.7	751.1	697.0	657.2	633.1	604.9	567.3	536.5
47.5°	1097.5	972.2	853.9	758.8	685.9	635.8	598.5	575.3	555.4	527.5	499.6
50°	1043.4	930.4	810.5	716.2	643.3	592.8	558.4	537.4	520.4	498.9	475.3
52.5°	983.0	877.8	768.0	674.8	602.6	552.8	519.1	500.6	486.5	471.1	447.7
55°	887.0	797.6	695.7	607.1	540.5	491.8	462.3	446.2	434.5	422.9	408.6
57.5°	781.2	711.3	621.0	540.1	478.7	434.4	406.8	391.2	382.2	376.2	367.7
60°	706.8	647.0	569.1	495.3	435.5	396.1	369.3	357.2	349.7	344.7	338.5
62.5°	637.8	588.7	516.5	449.2	396.8	359.6	335.7	324.0	316.7	314.3	309.1
65°	536.1	498.1	438.6	382.7	338.0	306.3	286.1	274.9	270.4	267.8	268.3
67.5°	435.8	412.7	364.9	317.3	281.5	254.9	238.8	230.2	228.0	224.5	224.4
70°	374.6	357.2	317.0	275.4	243.7	223.1	208.8	199.8	197.6	195.8	195.4
72.5°	320.6	305.4	270.4	237.1	208.6	190.5	178.7	173.4	169.7	168.7	168.6
75°	241.0	232.5	204.7	178.4	158.7	146.2	138.2	133.2	130.5	130.1	130.5
77.5°	171.3	163.9	146.3	127.6	115.2	105.7	98.9	97.2	94.2	94.3	93.8
80°	128.7	123.8	112.7	97.9	87.6	79.6	76.0	72.8	72.0	70.6	72.0
82.5°	93.3	88.1	80.5	71.1	62.6	57.8	54.2	53.2	52.7	52.0	52.3
85°	46.1	46.5	42.0	34.9	31.3	28.6	26.3	26.3	25.9	25.5	25.9
87.5°	18.0	17.0	15.3	13.9	11.8	10.4	9.8	9.8	9.0	9.0	9.7
90°	11.2	9.9	8.5	7.1	5.5	4.0	2.4	0.9	2.4	4.0	5.5
92.5°	11.5	10.3	9.1	9.0	10.2	11.3	12.3	13.4	12.3	11.3	10.2
95°	28.7	36.0	43.3	47.4	47.9	48.5	49.1	49.6	49.1	48.5	47.9
97.5°	72.0	86.5	101.1	107.8	106.8	105.7	104.7	103.7	104.7	105.7	106.8
100°	150.0	149.2	148.4	147.7	147.1	146.5	146.0	145.4	146.0	146.5	147.1
102.5°	192.3	191.9	191.5	190.9	190.1	189.4	188.6	188.0	188.6	189.4	190.1
105°	259.5	259.5	259.5	259.1	258.3	257.5	256.8	256.0	256.8	257.5	258.3
107.5°	327.7	327.3	326.9	326.7	326.7	326.7	326.7	326.7	326.7	326.7	326.7
110°	373.7	373.2	372.9	372.7	372.7	372.7	372.7	372.7	372.7	372.7	372.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	418.5	418.4	418.1	417.8	417.2	416.8	416.4	415.9	416.4	416.8	417.2
115°	485.5	485.3	485.1	484.6	483.5	482.6	481.6	480.7	481.6	482.6	483.5
117.5°	549.4	548.6	547.9	547.6	547.6	547.7	547.7	547.8	547.7	547.7	547.6
120°	590.1	589.5	588.9	588.8	588.9	589.1	589.4	589.5	589.4	589.1	588.9
122.5°	630.4	630.2	629.9	629.4	628.6	627.9	627.2	626.5	627.2	627.9	628.6
125°	689.7	689.7	689.7	689.0	687.6	686.3	684.9	683.5	684.9	686.3	687.6
127.5°	742.2	742.3	742.4	741.9	741.0	740.0	739.1	738.0	739.1	740.0	741.0
130°	776.4	776.2	775.9	775.4	774.4	773.4	772.5	771.5	772.5	773.4	774.4
132.5°	808.9	809.3	809.8	809.4	808.3	807.2	806.1	804.9	806.1	807.2	808.3
135°	856.8	857.1	857.6	857.1	856.0	854.8	853.7	852.5	853.7	854.8	856.0
137.5°	899.9	900.3	900.6	900.3	899.2	898.2	897.2	896.2	897.2	898.2	899.2
140°	926.0	926.3	926.4	926.3	925.9	925.6	925.1	924.8	925.1	925.6	925.9
142.5°	952.3	952.0	951.7	951.5	951.2	951.1	950.8	950.5	950.8	951.1	951.2
145°	990.1	990.1	990.1	989.9	989.5	989.1	988.8	988.3	988.8	989.1	989.5
147.5°	1021.7	1021.4	1021.2	1021.1	1021.2	1021.3	1021.4	1021.4	1021.4	1021.3	1021.2
150°	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.0	1041.6	1041.2
152.5°	1059.7	1059.3	1058.9	1059.1	1060.0	1060.8	1061.7	1062.6	1061.7	1060.8	1060.0
155°	1084.3	1083.8	1083.5	1083.8	1085.0	1086.2	1087.4	1088.5	1087.4	1086.2	1085.0
157.5°	1105.4	1105.4	1105.4	1105.7	1106.5	1107.2	1107.8	1108.5	1107.8	1107.2	1106.5
160°	1117.8	1117.5	1117.3	1117.8	1119.0	1120.2	1121.3	1122.5	1121.3	1120.2	1119.0
162.5°	1128.9	1128.7	1128.4	1128.9	1130.1	1131.3	1132.5	1133.6	1132.5	1131.3	1130.1
165°	1143.8	1143.7	1143.4	1143.9	1145.1	1146.2	1147.5	1148.6	1147.5	1146.2	1145.1
167.5°	1154.8	1154.6	1154.4	1154.9	1156.2	1157.4	1158.6	1159.7	1158.6	1157.4	1156.2
170°	1160.4	1160.2	1160.0	1160.5	1161.9	1163.3	1164.7	1166.0	1164.7	1163.3	1161.9
172.5°	1164.9	1164.6	1164.2	1164.8	1166.1	1167.4	1168.8	1170.2	1168.8	1167.4	1166.1
175°	1169.9	1169.8	1169.6	1170.0	1171.2	1172.3	1173.5	1174.7	1173.5	1172.3	1171.2
177.5°	1173.0	1172.9	1172.7	1173.1	1174.0	1174.9	1175.9	1176.8	1175.9	1174.9	1174.0
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1035.1	1031.1	1027.9	1020.8	1016.8	1011.5	1007.2	1011.8	1006.9	1009.0	1005.7
5°	1002.8	990.3	981.4	968.4	957.2	946.9	939.4	938.0	934.4	932.6	927.2
7.5°	964.0	948.3	933.0	916.0	901.6	887.1	877.8	870.1	865.0	858.3	853.8
10°	941.1	920.1	902.2	881.7	863.8	848.1	835.6	829.3	823.5	815.0	811.9
12.5°	912.8	891.1	869.3	847.3	830.2	812.7	801.9	792.5	788.5	778.9	777.9
15°	879.0	846.4	824.8	802.5	778.8	764.5	755.5	745.3	740.8	734.1	729.2
17.5°	838.5	809.4	782.6	759.4	739.1	727.0	715.9	708.9	701.2	696.8	688.8
20°	809.3	781.5	754.7	730.0	714.5	700.6	691.6	684.9	676.9	674.7	666.6
22.5°	784.5	754.0	728.2	707.6	690.4	674.9	665.1	660.6	655.0	648.2	646.5
25°	744.4	712.6	690.8	670.2	655.0	640.7	634.0	628.2	622.8	617.9	616.0
27.5°	709.7	681.3	655.3	636.7	623.5	610.4	604.5	597.4	593.6	589.6	584.8
30°	685.4	656.3	633.5	615.6	601.3	589.7	583.4	578.5	575.0	571.4	568.7
32.5°	660.3	633.4	611.3	593.8	579.5	570.8	565.2	561.7	557.8	553.5	550.1
35°	627.2	597.7	576.3	561.1	549.9	543.2	536.9	533.8	529.3	529.3	525.7
37.5°	590.0	564.5	545.5	531.7	521.7	515.7	508.9	506.7	503.9	502.0	500.8
40°	567.8	544.1	526.2	512.4	501.6	496.7	491.4	487.8	485.9	483.7	482.8
42.5°	544.9	522.3	505.1	492.3	483.0	478.8	473.8	471.3	467.7	464.8	464.3
45°	510.1	488.2	472.6	462.3	454.3	449.4	446.2	440.8	439.0	435.5	435.0
47.5°	477.1	456.1	440.7	432.3	425.2	421.2	416.3	411.0	408.9	407.1	406.9
50°	452.5	433.3	418.9	410.9	404.2	398.4	393.4	389.9	388.5	388.5	389.4
52.5°	427.4	411.0	398.9	389.1	382.7	376.5	372.0	369.8	367.7	369.9	371.5
55°	390.7	374.2	365.2	355.9	349.7	342.4	340.3	339.3	338.0	341.6	343.4
57.5°	352.0	340.4	329.8	320.6	315.0	310.8	307.8	307.2	309.7	311.4	317.3
60°	327.3	313.8	304.4	297.3	290.6	287.9	287.1	286.1	287.9	292.8	300.4
62.5°	300.1	289.2	279.1	273.7	268.8	264.3	264.2	264.7	268.3	273.9	281.5
65°	260.2	250.8	244.1	237.8	233.8	231.2	232.0	233.8	237.8	245.5	253.9
67.5°	219.7	213.3	207.2	202.2	198.3	198.3	199.2	201.9	206.6	215.4	223.2
70°	193.6	186.4	181.5	179.3	176.2	174.4	177.0	181.5	185.5	193.6	200.3
72.5°	167.5	161.4	157.6	156.0	154.7	153.3	154.1	158.9	164.5	172.5	180.3
75°	128.7	126.5	123.8	122.1	120.7	121.6	122.5	127.0	131.5	139.9	148.9
77.5°	93.9	91.6	90.1	89.6	88.9	89.3	91.9	95.1	99.5	105.7	112.4
80°	71.1	70.2	69.3	68.9	68.9	69.3	72.8	75.1	79.1	85.0	90.3
82.5°	51.7	51.2	51.1	51.0	51.3	51.4	53.6	56.5	59.8	64.2	68.9
85°	27.3	26.3	27.7	28.2	27.3	28.6	29.5	31.3	32.6	34.9	37.1
87.5°	10.3	11.4	11.3	11.9	12.1	13.2	13.0	14.6	15.5	16.4	16.3
90°	7.1	8.5	9.9	11.2	12.6	13.9	14.9	15.8	16.9	17.8	18.6
92.5°	9.0	9.1	10.3	11.5	12.7	13.9	14.9	15.8	16.9	17.8	18.4
95°	47.4	43.3	36.0	28.7	21.3	13.9	14.9	15.8	16.9	17.8	18.3
97.5°	107.8	101.1	86.5	72.0	57.4	42.9	37.4	31.9	26.4	21.0	18.3
100°	147.7	148.4	149.2	150.0	150.8	151.5	122.7	93.8	65.0	36.2	21.4
102.5°	190.9	191.5	191.9	192.3	192.9	193.3	187.9	182.4	176.9	171.5	162.2
105°	259.1	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.4
107.5°	326.7	326.9	327.3	327.7	328.0	328.5	328.5	328.6	328.6	328.6	328.4
110°	372.7	372.9	373.2	373.7	374.0	374.4	373.8	373.2	372.7	372.1	372.0



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	417.8	418.1	418.4	418.5	418.8	419.0	418.3	417.6	416.8	416.1	415.6
115°	484.6	485.1	485.3	485.5	485.7	485.9	485.1	484.3	483.5	482.8	481.8
117.5°	547.6	547.9	548.6	549.4	550.1	550.9	549.8	548.9	547.9	546.8	546.0
120°	588.8	588.9	589.5	590.1	590.6	591.2	590.9	590.5	590.1	589.7	589.0
122.5°	629.4	629.9	630.2	630.4	630.7	630.9	630.6	630.2	629.8	629.4	628.7
125°	689.0	689.7	689.7	689.7	689.7	689.7	688.9	688.1	687.3	686.6	685.9
127.5°	741.9	742.4	742.3	742.2	742.0	741.9	741.5	741.1	740.6	740.2	739.3
130°	775.4	775.9	776.2	776.4	776.5	776.7	776.2	775.6	775.0	774.4	773.6
132.5°	809.4	809.8	809.3	808.9	808.5	808.1	808.0	807.9	807.7	807.6	807.1
135°	857.1	857.6	857.1	856.8	856.4	856.0	855.6	855.2	854.8	854.5	853.7
137.5°	900.3	900.6	900.3	899.9	899.5	899.1	899.2	899.3	899.4	899.5	899.1
140°	926.3	926.4	926.3	926.0	925.8	925.7	926.0	926.4	926.8	927.2	926.8
142.5°	951.5	951.7	952.0	952.3	952.5	952.8	952.9	953.0	953.0	953.1	952.6
145°	989.9	990.1	990.1	990.1	990.1	990.1	990.3	990.5	990.7	990.8	990.4
147.5°	1021.1	1021.2	1021.4	1021.7	1021.9	1022.1	1022.4	1022.6	1022.9	1023.0	1022.5
150°	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.8	1043.1	1043.5	1043.9	1043.3
152.5°	1059.1	1058.9	1059.3	1059.7	1060.1	1060.4	1060.8	1061.2	1061.6	1062.0	1061.5
155°	1083.8	1083.5	1083.8	1084.3	1084.6	1085.0	1085.5	1086.2	1086.8	1087.4	1086.8
157.5°	1105.7	1105.4	1105.4	1105.4	1105.5	1105.5	1106.2	1106.8	1107.4	1108.0	1107.6
160°	1117.8	1117.3	1117.5	1117.8	1117.9	1118.1	1118.9	1119.6	1120.4	1121.2	1120.8
162.5°	1128.9	1128.4	1128.7	1128.9	1129.0	1129.2	1130.3	1131.4	1132.5	1133.6	1133.2
165°	1143.9	1143.4	1143.7	1143.8	1144.0	1144.2	1145.4	1146.5	1147.7	1148.8	1148.7
167.5°	1154.9	1154.4	1154.6	1154.8	1155.0	1155.2	1156.6	1158.0	1159.3	1160.8	1160.6
170°	1160.5	1160.0	1160.2	1160.4	1160.5	1160.8	1162.4	1163.9	1165.4	1167.0	1166.8
172.5°	1164.8	1164.2	1164.6	1164.9	1165.3	1165.6	1167.0	1168.5	1169.8	1171.2	1171.0
175°	1170.0	1169.6	1169.8	1169.9	1170.2	1170.4	1171.9	1173.5	1175.0	1176.6	1176.5
177.5°	1173.1	1172.7	1172.9	1173.0	1173.1	1173.3	1174.4	1175.4	1176.6	1177.7	1177.6
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1003.6	1006.1	1003.9	1006.9	1003.9	1006.1	1003.6	1005.7	1009.0	1006.9	1011.8
5°	925.0	921.0	923.7	921.9	923.7	921.0	925.0	927.2	932.6	934.4	938.0
7.5°	852.4	848.5	844.2	842.1	844.2	848.5	852.4	853.8	858.3	865.0	870.1
10°	807.0	802.0	801.6	798.5	801.6	802.0	807.0	811.9	815.0	823.5	829.3
12.5°	773.7	769.1	764.1	762.8	764.1	769.1	773.7	777.9	778.9	788.5	792.5
15°	726.5	722.9	719.8	722.5	719.8	722.9	726.5	729.2	734.1	740.8	745.3
17.5°	687.3	684.3	683.7	680.4	683.7	684.3	687.3	688.8	696.8	701.2	708.9
20°	662.5	660.3	661.2	655.4	661.2	660.3	662.5	666.6	674.7	676.9	684.9
22.5°	642.9	638.5	638.0	636.8	638.0	638.5	642.9	646.5	648.2	655.0	660.6
25°	612.1	609.8	607.6	609.8	607.6	609.8	612.1	616.0	617.9	622.8	628.2
27.5°	585.1	582.5	581.9	582.1	581.9	582.5	585.1	584.8	589.6	593.6	597.4
30°	568.7	564.2	564.6	564.2	564.6	564.2	568.7	568.7	571.4	575.0	578.5
32.5°	550.8	547.8	547.2	546.3	547.2	547.8	550.8	550.1	553.5	557.8	561.7
35°	524.4	524.4	522.2	522.2	522.2	524.4	524.4	525.7	529.3	529.3	533.8
37.5°	499.6	499.2	497.8	498.1	497.8	499.2	499.6	500.8	502.0	503.9	506.7
40°	481.0	480.6	479.2	476.6	479.2	480.6	481.0	482.8	483.7	485.9	487.8
42.5°	463.1	461.7	461.1	460.1	461.1	461.7	463.1	464.3	464.8	467.7	471.3
45°	435.0	435.0	434.1	433.7	434.1	435.0	435.0	435.0	435.5	439.0	440.8
47.5°	407.7	408.5	410.2	409.9	410.2	408.5	407.7	406.9	407.1	408.9	411.0
50°	391.2	391.7	393.0	393.4	393.0	391.7	391.2	389.4	388.5	388.5	389.9
52.5°	373.0	375.6	377.2	376.9	377.2	375.6	373.0	371.5	369.9	367.7	369.8
55°	347.4	350.5	353.6	354.1	353.6	350.5	347.4	343.4	341.6	338.0	339.3
57.5°	322.1	326.5	329.8	330.8	329.8	326.5	322.1	317.3	311.4	309.7	307.2
60°	304.9	310.7	314.8	316.5	314.8	310.7	304.9	300.4	292.8	287.9	286.1
62.5°	288.4	295.0	299.0	299.4	299.0	295.0	288.4	281.5	273.9	268.3	264.7
65°	261.6	268.3	271.8	274.5	271.8	268.3	261.6	253.9	245.5	237.8	233.8
67.5°	232.6	239.3	243.2	245.4	243.2	239.3	232.6	223.2	215.4	206.6	201.9
70°	211.5	218.2	223.5	225.3	223.5	218.2	211.5	200.3	193.6	185.5	181.5
72.5°	190.7	196.7	201.0	203.1	201.0	196.7	190.7	180.3	172.5	164.5	158.9
75°	154.7	162.7	166.8	169.0	166.8	162.7	154.7	148.9	139.9	131.5	127.0
77.5°	119.2	126.7	129.1	130.2	129.1	126.7	119.2	112.4	105.7	99.5	95.1
80°	95.7	100.1	103.2	103.8	103.2	100.1	95.7	90.3	85.0	79.1	75.1
82.5°	73.5	77.2	78.3	79.4	78.3	77.2	73.5	68.9	64.2	59.8	56.5
85°	40.2	42.0	42.4	42.0	42.4	42.0	40.2	37.1	34.9	32.6	31.3
87.5°	17.0	16.8	17.0	17.7	17.0	16.8	17.0	16.3	16.4	15.5	14.6
90°	19.2	19.7	20.3	20.9	20.3	19.7	19.2	18.6	17.8	16.9	15.8
92.5°	18.7	18.9	19.2	19.5	19.2	18.9	18.7	18.4	17.8	16.9	15.8
95°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	17.8	16.9	15.8
97.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	21.0	26.4	31.9
100°	20.6	19.8	19.0	18.3	19.0	19.8	20.6	21.4	36.2	65.0	93.8
102.5°	149.0	135.9	122.7	109.5	122.7	135.9	149.0	162.2	171.5	176.9	182.4
105°	259.2	259.0	258.8	258.6	258.8	259.0	259.2	259.4	259.5	259.5	259.5
107.5°	327.8	327.2	326.6	326.1	326.6	327.2	327.8	328.4	328.6	328.6	328.6
110°	372.1	372.3	372.5	372.7	372.5	372.3	372.1	372.0	372.1	372.7	373.2



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	415.3	415.0	414.7	414.5	414.7	415.0	415.3	415.6	416.1	416.8	417.6
115°	480.7	479.5	478.4	477.2	478.4	479.5	480.7	481.8	482.8	483.5	484.3
117.5°	545.6	545.1	544.6	544.1	544.6	545.1	545.6	546.0	546.8	547.9	548.9
120°	588.1	587.1	586.2	585.1	586.2	587.1	588.1	589.0	589.7	590.1	590.5
122.5°	627.6	626.5	625.3	624.2	625.3	626.5	627.6	628.7	629.4	629.8	630.2
125°	685.4	684.8	684.2	683.5	684.2	684.8	685.4	685.9	686.6	687.3	688.1
127.5°	737.9	736.4	734.9	733.6	734.9	736.4	737.9	739.3	740.2	740.6	741.1
130°	772.7	771.7	770.8	769.8	770.8	771.7	772.7	773.6	774.4	775.0	775.6
132.5°	806.2	805.1	804.2	803.2	804.2	805.1	806.2	807.1	807.6	807.7	807.9
135°	852.5	851.4	850.2	849.0	850.2	851.4	852.5	853.7	854.5	854.8	855.2
137.5°	898.0	897.0	896.0	895.0	896.0	897.0	898.0	899.1	899.5	899.4	899.3
140°	925.7	924.5	923.3	922.1	923.3	924.5	925.7	926.8	927.2	926.8	926.4
142.5°	951.4	950.3	949.1	948.0	949.1	950.3	951.4	952.6	953.1	953.0	953.0
145°	989.2	988.1	986.9	985.8	986.9	988.1	989.2	990.4	990.8	990.7	990.5
147.5°	1021.1	1019.7	1018.3	1016.9	1018.3	1019.7	1021.1	1022.5	1023.0	1022.9	1022.6
150°	1041.7	1040.2	1038.6	1037.1	1038.6	1040.2	1041.7	1043.3	1043.9	1043.5	1043.1
152.5°	1060.1	1058.7	1057.3	1055.9	1057.3	1058.7	1060.1	1061.5	1062.0	1061.6	1061.2
155°	1085.3	1083.7	1082.2	1080.6	1082.2	1083.7	1085.3	1086.8	1087.4	1086.8	1086.2
157.5°	1106.0	1104.5	1102.9	1101.4	1102.9	1104.5	1106.0	1107.6	1108.0	1107.4	1106.8
160°	1119.3	1117.8	1116.2	1114.7	1116.2	1117.8	1119.3	1120.8	1121.2	1120.4	1119.6
162.5°	1131.5	1129.9	1128.2	1126.4	1128.2	1129.9	1131.5	1133.2	1133.6	1132.5	1131.4
165°	1147.1	1145.6	1144.0	1142.5	1144.0	1145.6	1147.1	1148.7	1148.8	1147.7	1146.5
167.5°	1158.8	1157.1	1155.4	1153.7	1155.4	1157.1	1158.8	1160.6	1160.8	1159.3	1158.0
170°	1165.1	1163.4	1161.7	1159.9	1161.7	1163.4	1165.1	1166.8	1167.0	1165.4	1163.9
172.5°	1169.3	1167.5	1165.8	1164.1	1165.8	1167.5	1169.3	1171.0	1171.2	1169.8	1168.5
175°	1174.7	1172.9	1171.2	1169.5	1171.2	1172.9	1174.7	1176.5	1176.6	1175.0	1173.5
177.5°	1176.3	1175.1	1173.9	1172.6	1173.9	1175.1	1176.3	1177.6	1177.7	1176.6	1175.4
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1007.2	1011.5	1016.8	1020.8	1027.9	1031.1	1035.1	1038.3	1044.0	1049.4	1055.8
5°	939.4	946.9	957.2	968.4	981.4	990.3	1002.8	1010.4	1025.6	1039.5	1052.8
7.5°	877.8	887.1	901.6	916.0	933.0	948.3	964.0	981.4	1000.7	1023.6	1042.6
10°	835.6	848.1	863.8	881.7	902.2	920.1	941.1	959.8	983.6	1010.4	1035.4
12.5°	801.9	812.7	830.2	847.3	869.3	891.1	912.8	937.7	965.4	995.1	1026.5
15°	755.5	764.5	778.8	802.5	824.8	846.4	879.0	902.2	937.1	970.2	1008.1
17.5°	715.9	727.0	739.1	759.4	782.6	809.4	838.5	867.7	901.3	943.2	986.1
20°	691.6	700.6	714.5	730.0	754.7	781.5	809.3	838.7	879.9	923.3	969.2
22.5°	665.1	674.9	690.4	707.6	728.2	754.0	784.5	816.9	859.8	902.5	952.4
25°	634.0	640.7	655.0	670.2	690.8	712.6	744.4	780.2	822.6	871.3	922.3
27.5°	604.5	610.4	623.5	636.7	655.3	681.3	709.7	745.8	785.8	835.3	891.7
30°	583.4	589.7	601.3	615.6	633.5	656.3	685.4	719.4	762.2	810.5	869.6
32.5°	565.2	570.8	579.5	593.8	611.3	633.4	660.3	695.0	738.0	787.0	844.9
35°	536.9	543.2	549.9	561.1	576.3	597.7	627.2	659.9	701.0	748.4	801.6
37.5°	508.9	515.7	521.7	531.7	545.5	564.5	590.0	624.0	661.2	706.8	757.9
40°	491.4	496.7	501.6	512.4	526.2	544.1	567.8	598.2	637.6	680.0	722.5
42.5°	473.8	478.8	483.0	492.3	505.1	522.3	544.9	574.5	611.1	650.7	688.1
45°	446.2	449.4	454.3	462.3	472.6	488.2	510.1	536.5	567.3	604.9	633.1
47.5°	416.3	421.2	425.2	432.3	440.7	456.1	477.1	499.6	527.5	555.4	575.3
50°	393.4	398.4	404.2	410.9	418.9	433.3	452.5	475.3	498.9	520.4	537.4
52.5°	372.0	376.5	382.7	389.1	398.9	411.0	427.4	447.7	471.1	486.5	500.6
55°	340.3	342.4	349.7	355.9	365.2	374.2	390.7	408.6	422.9	434.5	446.2
57.5°	307.8	310.8	315.0	320.6	329.8	340.4	352.0	367.7	376.2	382.2	391.2
60°	287.1	287.9	290.6	297.3	304.4	313.8	327.3	338.5	344.7	349.7	357.2
62.5°	264.2	264.3	268.8	273.7	279.1	289.2	300.1	309.1	314.3	316.7	324.0
65°	232.0	231.2	233.8	237.8	244.1	250.8	260.2	268.3	267.8	270.4	274.9
67.5°	199.2	198.3	198.3	202.2	207.2	213.3	219.7	224.4	224.5	228.0	230.2
70°	177.0	174.4	176.2	179.3	181.5	186.4	193.6	195.4	195.8	197.6	199.8
72.5°	154.1	153.3	154.7	156.0	157.6	161.4	167.5	168.6	168.7	169.7	173.4
75°	122.5	121.6	120.7	122.1	123.8	126.5	128.7	130.5	130.1	130.5	133.2
77.5°	91.9	89.3	88.9	89.6	90.1	91.6	93.9	93.8	94.3	94.2	97.2
80°	72.8	69.3	68.9	68.9	69.3	70.2	71.1	72.0	70.6	72.0	72.8
82.5°	53.6	51.4	51.3	51.0	51.1	51.2	51.7	52.3	52.0	52.7	53.2
85°	29.5	28.6	27.3	28.2	27.7	26.3	27.3	25.9	25.5	25.9	26.3
87.5°	13.0	13.2	12.1	11.9	11.3	11.4	10.3	9.7	9.0	9.0	9.8
90°	14.9	13.9	12.6	11.2	9.9	8.5	7.1	5.5	4.0	2.4	0.9
92.5°	14.9	13.9	12.7	11.5	10.3	9.1	9.0	10.2	11.3	12.3	13.4
95°	14.9	13.9	21.3	28.7	36.0	43.3	47.4	47.9	48.5	49.1	49.6
97.5°	37.4	42.9	57.4	72.0	86.5	101.1	107.8	106.8	105.7	104.7	103.7
100°	122.7	151.5	150.8	150.0	149.2	148.4	147.7	147.1	146.5	146.0	145.4
102.5°	187.9	193.3	192.9	192.3	191.9	191.5	190.9	190.1	189.4	188.6	188.0
105°	259.5	259.5	259.5	259.5	259.5	259.5	259.1	258.3	257.5	256.8	256.0
107.5°	328.5	328.5	328.0	327.7	327.3	326.9	326.7	326.7	326.7	326.7	326.7
110°	373.8	374.4	374.0	373.7	373.2	372.9	372.7	372.7	372.7	372.7	372.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	418.3	419.0	418.8	418.5	418.4	418.1	417.8	417.2	416.8	416.4	415.9
115°	485.1	485.9	485.7	485.5	485.3	485.1	484.6	483.5	482.6	481.6	480.7
117.5°	549.8	550.9	550.1	549.4	548.6	547.9	547.6	547.6	547.7	547.7	547.8
120°	590.9	591.2	590.6	590.1	589.5	588.9	588.8	588.9	589.1	589.4	589.5
122.5°	630.6	630.9	630.7	630.4	630.2	629.9	629.4	628.6	627.9	627.2	626.5
125°	688.9	689.7	689.7	689.7	689.7	689.7	689.0	687.6	686.3	684.9	683.5
127.5°	741.5	741.9	742.0	742.2	742.3	742.4	741.9	741.0	740.0	739.1	738.0
130°	776.2	776.7	776.5	776.4	776.2	775.9	775.4	774.4	773.4	772.5	771.5
132.5°	808.0	808.1	808.5	808.9	809.3	809.8	809.4	808.3	807.2	806.1	804.9
135°	855.6	856.0	856.4	856.8	857.1	857.6	857.1	856.0	854.8	853.7	852.5
137.5°	899.2	899.1	899.5	899.9	900.3	900.6	900.3	899.2	898.2	897.2	896.2
140°	926.0	925.7	925.8	926.0	926.3	926.4	926.3	925.9	925.6	925.1	924.8
142.5°	952.9	952.8	952.5	952.3	952.0	951.7	951.5	951.2	951.1	950.8	950.5
145°	990.3	990.1	990.1	990.1	990.1	990.1	989.9	989.5	989.1	988.8	988.3
147.5°	1022.4	1022.1	1021.9	1021.7	1021.4	1021.2	1021.1	1021.2	1021.3	1021.4	1021.4
150°	1042.8	1042.3	1042.0	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3
152.5°	1060.8	1060.4	1060.1	1059.7	1059.3	1058.9	1059.1	1060.0	1060.8	1061.7	1062.6
155°	1085.5	1085.0	1084.6	1084.3	1083.8	1083.5	1083.8	1085.0	1086.2	1087.4	1088.5
157.5°	1106.2	1105.5	1105.5	1105.4	1105.4	1105.4	1105.7	1106.5	1107.2	1107.8	1108.5
160°	1118.9	1118.1	1117.9	1117.8	1117.5	1117.3	1117.8	1119.0	1120.2	1121.3	1122.5
162.5°	1130.3	1129.2	1129.0	1128.9	1128.7	1128.4	1128.9	1130.1	1131.3	1132.5	1133.6
165°	1145.4	1144.2	1144.0	1143.8	1143.7	1143.4	1143.9	1145.1	1146.2	1147.5	1148.6
167.5°	1156.6	1155.2	1155.0	1154.8	1154.6	1154.4	1154.9	1156.2	1157.4	1158.6	1159.7
170°	1162.4	1160.8	1160.5	1160.4	1160.2	1160.0	1160.5	1161.9	1163.3	1164.7	1166.0
172.5°	1167.0	1165.6	1165.3	1164.9	1164.6	1164.2	1164.8	1166.1	1167.4	1168.8	1170.2
175°	1171.9	1170.4	1170.2	1169.9	1169.8	1169.6	1170.0	1171.2	1172.3	1173.5	1174.7
177.5°	1174.4	1173.3	1173.1	1173.0	1172.9	1172.7	1173.1	1174.0	1174.9	1175.9	1176.8
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



TEST NUMBER: P333412-935

CATALOG NUMBER: S125DIW-S850D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1059.0	1064.0	1067.3	1073.3	1078.3	1081.2	1083.7	1085.9	1088.4	1090.5	1096.6
5°	1065.8	1077.5	1087.3	1102.5	1116.4	1127.0	1138.7	1149.0	1157.5	1169.6	1179.0
7.5°	1062.9	1083.6	1105.2	1128.7	1152.7	1175.1	1195.7	1214.9	1232.3	1253.4	1272.0
10°	1060.1	1088.2	1115.9	1147.6	1180.3	1208.0	1233.9	1260.3	1279.5	1306.4	1329.1
12.5°	1057.9	1091.1	1124.5	1162.7	1198.5	1237.7	1272.2	1291.4	1320.7	1342.1	1369.2
15°	1048.9	1092.7	1138.7	1181.6	1232.6	1268.8	1299.2	1336.8	1364.0	1391.3	1420.8
17.5°	1032.7	1082.3	1133.8	1190.1	1239.0	1277.8	1317.0	1353.2	1385.8	1422.4	1459.1
20°	1025.2	1074.8	1133.8	1191.5	1239.3	1280.0	1320.3	1360.0	1395.8	1442.7	1485.2
22.5°	1009.4	1069.4	1123.8	1180.0	1229.2	1273.6	1319.1	1364.3	1411.9	1464.9	1518.1
25°	981.4	1042.2	1099.8	1155.3	1204.9	1260.3	1309.1	1369.4	1430.2	1500.4	1566.6
27.5°	952.2	1010.4	1063.2	1116.8	1174.7	1237.4	1300.6	1369.2	1448.7	1537.3	1630.6
30°	928.6	983.6	1035.0	1089.9	1150.3	1221.0	1290.3	1371.7	1463.7	1563.4	1674.3
32.5°	901.0	951.7	1001.7	1060.0	1125.7	1200.2	1281.0	1370.2	1480.9	1594.2	1708.3
35°	853.9	896.4	947.8	1010.0	1084.2	1169.6	1263.0	1368.5	1495.5	1625.6	1721.7
37.5°	798.1	837.6	891.7	959.8	1037.7	1129.3	1240.2	1365.4	1500.2	1604.0	1635.0
40°	760.5	797.1	853.5	924.1	1003.7	1100.7	1222.3	1354.6	1485.2	1551.3	1525.9
42.5°	720.4	758.9	813.7	883.7	969.4	1075.0	1199.8	1332.1	1441.6	1466.6	1378.5
45°	657.2	697.0	751.1	821.7	913.9	1028.3	1158.4	1278.7	1341.7	1296.5	1160.2
47.5°	598.5	635.8	685.9	758.8	853.9	972.2	1097.5	1193.4	1198.4	1090.7	945.0
50°	558.4	592.8	643.3	716.2	810.5	930.4	1043.4	1119.0	1085.0	963.0	823.0
52.5°	519.1	552.8	602.6	674.8	768.0	877.8	983.0	1036.0	972.1	846.8	727.2
55°	462.3	491.8	540.5	607.1	695.7	797.6	887.0	905.3	822.2	698.8	601.8
57.5°	406.8	434.4	478.7	540.1	621.0	711.3	781.2	777.3	689.4	583.5	506.5
60°	369.3	396.1	435.5	495.3	569.1	647.0	706.8	692.5	605.4	514.1	449.4
62.5°	335.7	359.6	396.8	449.2	516.5	588.7	637.8	616.7	531.3	451.5	400.3
65°	286.1	306.3	338.0	382.7	438.6	498.1	536.1	508.8	435.9	373.8	332.6
67.5°	238.8	254.9	281.5	317.3	364.9	412.7	435.8	408.4	350.1	304.7	274.2
70°	208.8	223.1	243.7	275.4	317.0	357.2	374.6	350.1	300.0	261.1	239.2
72.5°	178.7	190.5	208.6	237.1	270.4	305.4	320.6	297.1	256.0	223.2	202.7
75°	138.2	146.2	158.7	178.4	204.7	232.5	241.0	220.4	194.1	169.4	156.0
77.5°	98.9	105.7	115.2	127.6	146.3	163.9	171.3	159.5	139.1	123.5	112.4
80°	76.0	79.6	87.6	97.9	112.7	123.8	128.7	121.1	106.9	95.2	86.7
82.5°	54.2	57.8	62.6	71.1	80.5	88.1	93.3	88.3	77.9	68.8	63.8
85°	26.3	28.6	31.3	34.9	42.0	46.5	46.1	42.9	38.9	35.3	32.6
87.5°	9.8	10.4	11.8	13.9	15.3	17.0	18.0	17.6	16.4	15.5	14.6
90°	2.4	4.0	5.5	7.1	8.5	9.9	11.2	12.6	13.9	14.9	15.8
92.5°	12.3	11.3	10.2	9.0	9.1	10.3	11.5	12.7	13.9	14.9	15.8
95°	49.1	48.5	47.9	47.4	43.3	36.0	28.7	21.3	13.9	14.9	15.8
97.5°	104.7	105.7	106.8	107.8	101.1	86.5	72.0	57.4	42.9	37.4	31.9
100°	146.0	146.5	147.1	147.7	148.4	149.2	150.0	150.8	151.5	122.7	93.8
102.5°	188.6	189.4	190.1	190.9	191.5	191.9	192.3	192.9	193.3	187.9	182.4
105°	256.8	257.5	258.3	259.1	259.5	259.5	259.5	259.5	259.5	259.5	259.5
107.5°	326.7	326.7	326.7	326.7	326.9	327.3	327.7	328.0	328.5	328.5	328.6
110°	372.7	372.7	372.7	372.7	372.9	373.2	373.7	374.0	374.4	373.8	373.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	416.4	416.8	417.2	417.8	418.1	418.4	418.5	418.8	419.0	418.3	417.6
115°	481.6	482.6	483.5	484.6	485.1	485.3	485.5	485.7	485.9	485.1	484.3
117.5°	547.7	547.7	547.6	547.6	547.9	548.6	549.4	550.1	550.9	549.8	548.9
120°	589.4	589.1	588.9	588.8	588.9	589.5	590.1	590.6	591.2	590.9	590.5
122.5°	627.2	627.9	628.6	629.4	629.9	630.2	630.4	630.7	630.9	630.6	630.2
125°	684.9	686.3	687.6	689.0	689.7	689.7	689.7	689.7	689.7	688.9	688.1
127.5°	739.1	740.0	741.0	741.9	742.4	742.3	742.2	742.0	741.9	741.5	741.1
130°	772.5	773.4	774.4	775.4	775.9	776.2	776.4	776.5	776.7	776.2	775.6
132.5°	806.1	807.2	808.3	809.4	809.8	809.3	808.9	808.5	808.1	808.0	807.9
135°	853.7	854.8	856.0	857.1	857.6	857.1	856.8	856.4	856.0	855.6	855.2
137.5°	897.2	898.2	899.2	900.3	900.6	900.3	899.9	899.5	899.1	899.2	899.3
140°	925.1	925.6	925.9	926.3	926.4	926.3	926.0	925.8	925.7	926.0	926.4
142.5°	950.8	951.1	951.2	951.5	951.7	952.0	952.3	952.5	952.8	952.9	953.0
145°	988.8	989.1	989.5	989.9	990.1	990.1	990.1	990.1	990.1	990.3	990.5
147.5°	1021.4	1021.3	1021.2	1021.1	1021.2	1021.4	1021.7	1021.9	1022.1	1022.4	1022.6
150°	1042.0	1041.6	1041.2	1040.8	1040.8	1041.2	1041.6	1042.0	1042.3	1042.8	1043.1
152.5°	1061.7	1060.8	1060.0	1059.1	1058.9	1059.3	1059.7	1060.1	1060.4	1060.8	1061.2
155°	1087.4	1086.2	1085.0	1083.8	1083.5	1083.8	1084.3	1084.6	1085.0	1085.5	1086.2
157.5°	1107.8	1107.2	1106.5	1105.7	1105.4	1105.4	1105.4	1105.5	1105.5	1106.2	1106.8
160°	1121.3	1120.2	1119.0	1117.8	1117.3	1117.5	1117.8	1117.9	1118.1	1118.9	1119.6
162.5°	1132.5	1131.3	1130.1	1128.9	1128.4	1128.7	1128.9	1129.0	1129.2	1130.3	1131.4
165°	1147.5	1146.2	1145.1	1143.9	1143.4	1143.7	1143.8	1144.0	1144.2	1145.4	1146.5
167.5°	1158.6	1157.4	1156.2	1154.9	1154.4	1154.6	1154.8	1155.0	1155.2	1156.6	1158.0
170°	1164.7	1163.3	1161.9	1160.5	1160.0	1160.2	1160.4	1160.5	1160.8	1162.4	1163.9
172.5°	1168.8	1167.4	1166.1	1164.8	1164.2	1164.6	1164.9	1165.3	1165.6	1167.0	1168.5
175°	1173.5	1172.3	1171.2	1170.0	1169.6	1169.8	1169.9	1170.2	1170.4	1171.9	1173.5
177.5°	1175.9	1174.9	1174.0	1173.1	1172.7	1172.9	1173.0	1173.1	1173.3	1174.4	1175.4
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1101.6	1104.5	1110.5	1108.4	1111.3	1112.7	1114.1
5°	1190.6	1204.9	1211.2	1210.2	1219.6	1217.4	1215.1
7.5°	1291.1	1306.1	1314.5	1325.0	1331.0	1331.5	1336.8
10°	1348.0	1367.6	1375.7	1386.8	1394.0	1398.0	1397.6
12.5°	1391.5	1407.0	1425.0	1430.5	1440.1	1445.2	1443.4
15°	1444.1	1468.7	1487.5	1496.8	1508.9	1512.4	1517.4
17.5°	1490.9	1523.9	1545.8	1574.9	1586.0	1592.7	1588.7
20°	1526.3	1569.7	1591.6	1626.5	1645.7	1656.0	1652.4
22.5°	1568.1	1615.1	1655.6	1685.8	1715.1	1729.0	1731.8
25°	1639.9	1704.3	1763.8	1803.5	1839.7	1848.2	1867.0
27.5°	1720.0	1796.0	1859.5	1901.3	1926.6	1936.0	1941.9
30°	1770.5	1846.0	1893.9	1920.6	1928.7	1927.8	1926.9
32.5°	1795.1	1842.5	1851.6	1844.1	1825.7	1810.2	1793.9
35°	1760.1	1724.8	1672.1	1604.1	1554.0	1503.6	1498.6
37.5°	1583.0	1470.1	1382.2	1284.2	1227.6	1192.7	1168.5
40°	1416.3	1288.1	1181.6	1098.9	1041.2	1018.5	996.1
42.5°	1235.4	1112.8	1018.6	949.4	906.0	880.7	863.1
45°	1003.7	895.5	821.7	771.6	737.3	717.6	706.4
47.5°	822.4	742.4	679.8	643.6	619.8	604.5	604.6
50°	725.1	648.7	607.1	578.5	557.9	545.9	548.1
52.5°	638.9	581.9	546.3	522.4	507.1	499.7	499.5
55°	534.3	493.1	469.8	452.5	442.1	433.7	435.5
57.5°	457.0	422.3	406.7	392.3	385.1	381.7	376.8
60°	409.1	382.3	368.9	357.2	350.1	347.4	342.4
62.5°	366.5	345.4	332.3	322.9	316.4	315.6	311.7
65°	308.1	292.0	280.3	275.9	269.1	267.3	267.3
67.5°	253.9	242.4	233.4	229.3	226.3	226.8	224.6
70°	220.0	210.6	204.7	200.3	198.0	198.5	196.7
72.5°	192.4	181.9	176.8	174.2	171.3	172.4	171.7
75°	145.8	140.3	137.7	135.0	133.2	132.3	131.5
77.5°	107.0	102.3	100.2	98.8	99.0	96.9	98.5
80°	82.7	78.7	77.3	75.1	74.6	74.6	74.2
82.5°	60.5	58.3	57.3	55.4	54.7	55.4	54.2
85°	31.3	29.5	29.1	29.1	28.2	27.3	29.5
87.5°	14.8	13.6	13.7	13.5	13.6	13.3	12.7
90°	16.9	17.8	18.6	19.2	19.7	20.3	20.9
92.5°	16.9	17.8	18.4	18.7	18.9	19.2	19.5
95°	16.9	17.8	18.3	18.3	18.3	18.3	18.3
97.5°	26.4	21.0	18.3	18.3	18.3	18.3	18.3
100°	65.0	36.2	21.4	20.6	19.8	19.0	18.3
102.5°	176.9	171.5	162.2	149.0	135.9	122.7	109.5
105°	259.5	259.5	259.4	259.2	259.0	258.8	258.6
107.5°	328.6	328.6	328.4	327.8	327.2	326.6	326.1
110°	372.7	372.1	372.0	372.1	372.3	372.5	372.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	416.8	416.1	415.6	415.3	415.0	414.7	414.5
115°	483.5	482.8	481.8	480.7	479.5	478.4	477.2
117.5°	547.9	546.8	546.0	545.6	545.1	544.6	544.1
120°	590.1	589.7	589.0	588.1	587.1	586.2	585.1
122.5°	629.8	629.4	628.7	627.6	626.5	625.3	624.2
125°	687.3	686.6	685.9	685.4	684.8	684.2	683.5
127.5°	740.6	740.2	739.3	737.9	736.4	734.9	733.6
130°	775.0	774.4	773.6	772.7	771.7	770.8	769.8
132.5°	807.7	807.6	807.1	806.2	805.1	804.2	803.2
135°	854.8	854.5	853.7	852.5	851.4	850.2	849.0
137.5°	899.4	899.5	899.1	898.0	897.0	896.0	895.0
140°	926.8	927.2	926.8	925.7	924.5	923.3	922.1
142.5°	953.0	953.1	952.6	951.4	950.3	949.1	948.0
145°	990.7	990.8	990.4	989.2	988.1	986.9	985.8
147.5°	1022.9	1023.0	1022.5	1021.1	1019.7	1018.3	1016.9
150°	1043.5	1043.9	1043.3	1041.7	1040.2	1038.6	1037.1
152.5°	1061.6	1062.0	1061.5	1060.1	1058.7	1057.3	1055.9
155°	1086.8	1087.4	1086.8	1085.3	1083.7	1082.2	1080.6
157.5°	1107.4	1108.0	1107.6	1106.0	1104.5	1102.9	1101.4
160°	1120.4	1121.2	1120.8	1119.3	1117.8	1116.2	1114.7
162.5°	1132.5	1133.6	1133.2	1131.5	1129.9	1128.2	1126.4
165°	1147.7	1148.8	1148.7	1147.1	1145.6	1144.0	1142.5
167.5°	1159.3	1160.8	1160.6	1158.8	1157.1	1155.4	1153.7
170°	1165.4	1167.0	1166.8	1165.1	1163.4	1161.7	1159.9
172.5°	1169.8	1171.2	1171.0	1169.3	1167.5	1165.8	1164.1
175°	1175.0	1176.6	1176.5	1174.7	1172.9	1171.2	1169.5
177.5°	1176.6	1177.7	1177.6	1176.3	1175.1	1173.9	1172.6
180°	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7	1174.7

(END OF REPORT)