

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: P333569-830

Luminaire Tested: **S125RDIP-S850D1035U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333569-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D1035U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6465.6 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

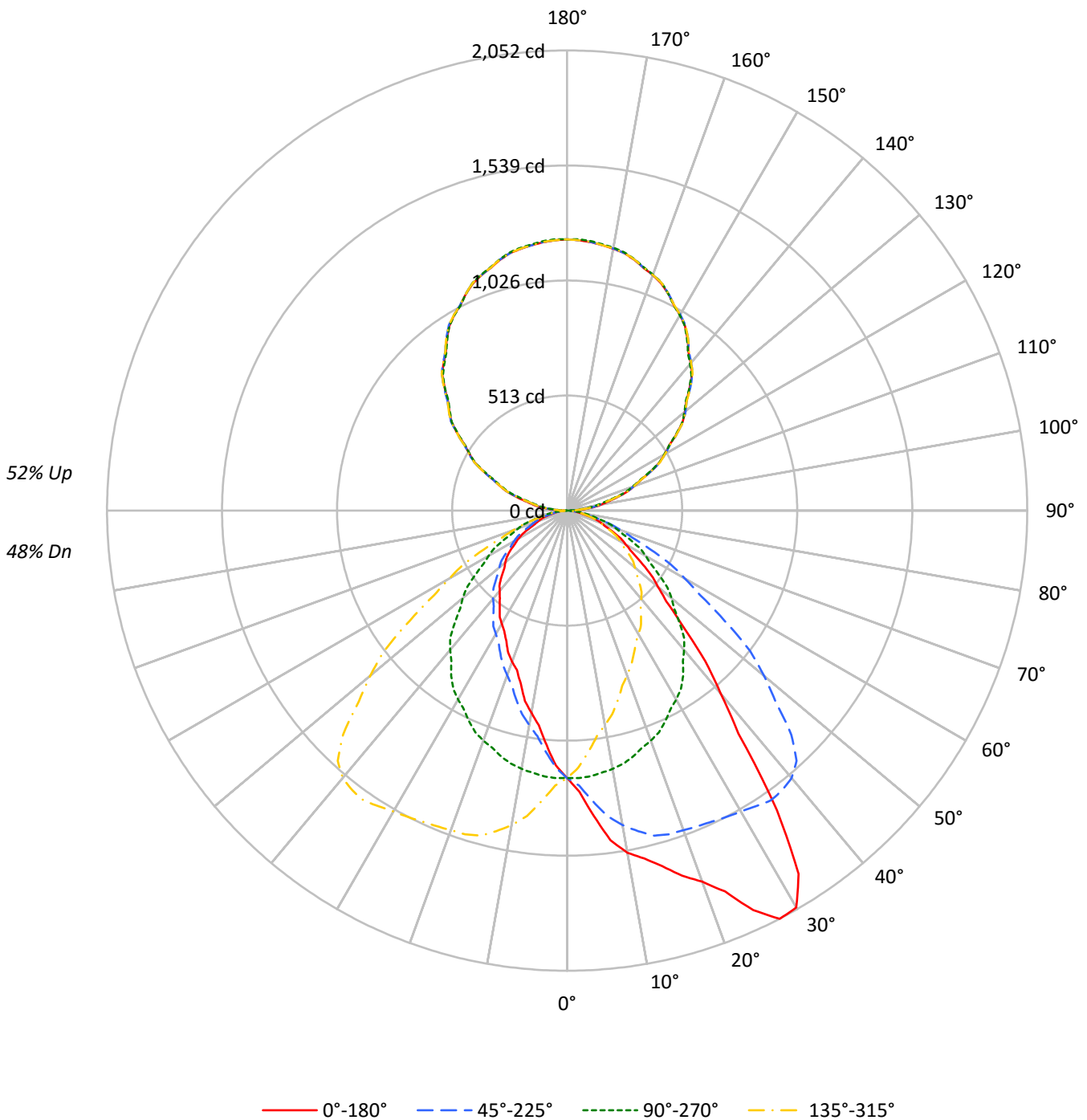
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	98	94	90	86	90	86	83	80	73	70	68	60	58	57	48	47	47	41
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	41	40	35
3	82	72	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30
4	75	64	57	51	69	60	53	48	51	46	41	42	39	36	35	32	30	26
5	69	57	49	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	21	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	24	44	33	27	22	29	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.8
10°-20°	335.0	5.2
20°-30°	531.2	8.2
30°-40°	640.6	9.9
40°-50°	572.1	8.8
50°-60°	438.7	6.8
60°-70°	285.1	4.4
70°-80°	138.6	2.1
80°-90°	35.7	0.6
90°-100°	81.0	1.3
100°-110°	239.1	3.7
110°-120°	405.1	6.3
120°-130°	533.1	8.2
130°-140°	597.3	9.2
140°-150°	585.5	9.1
150°-160°	491.7	7.6
160°-170°	326.9	5.1
170°-180°	114.4	1.8
0°-30°	980.6	15.2
0°-40°	1621.2	25.1
0°-60°	2632.0	40.7
0°-90°	3091.5	47.8
90°-120°	725.2	11.2
90°-150°	2441.1	37.8
90°-180°	3374.0	52.2
0°-180°	6465.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	26
90°	23	1	23	1	23	14
95°	81	61	81	61	81	82
105°	233	214	233	214	233	247
115°	409	406	409	406	409	405
125°	596	592	596	592	596	532
135°	772	770	772	770	772	596
145°	936	933	936	933	936	584
155°	1067	1067	1067	1067	1067	491
165°	1157	1160	1157	1160	1157	326
175°	1202	1206	1202	1206	1202	114
180°	1209	1209	1209	1209	1209	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	13.1	12.6	12.1	12.0	12.3	12.8	12.3	11.7	11.4	11.2	11.3
90°	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2	16.1	15.1	13.6
92.5°	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9	37.5	36.1	34.3
95°	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4	73.9	72.5	70.4
97.5°	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1	116.8	115.4	112.4
100°	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7	145.8	143.9	141.3
102.5°	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1	176.2	174.1	172.7
105°	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4	226.1	224.9	223.7
107.5°	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5	279.9	279.3	278.3
110°	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4	316.8	316.1	315.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4	354.1	353.8	353.0
115°	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8	411.0	411.2	410.8
117.5°	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2	467.1	466.9	466.6
120°	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3	505.3	505.3	505.1
122.5°	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6	542.8	542.9	542.4
125°	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7	598.0	598.5	598.2
127.5°	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2	652.4	652.7	652.4
130°	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3	688.6	688.8	688.3
132.5°	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0	723.2	723.4	723.5
135°	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3	776.3	776.3	776.1
137.5°	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2	827.9	827.6	827.3
140°	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9	860.4	860.1	859.4
142.5°	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0	892.7	892.4	891.6
145°	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1	939.1	939.1	938.5
147.5°	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8	981.4	980.9	980.3
150°	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7	1008.7	1008.7	1007.9
152.5°	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9	1033.3	1032.8	1032.5
155°	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7	1068.8	1068.0	1067.8
157.5°	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7	1099.9	1099.1	1098.9
160°	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6	1118.7	1117.9	1117.7
162.5°	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2	1136.2	1135.2	1135.2
165°	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9	1160.2	1159.3	1159.0
167.5°	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6	1177.3	1176.0	1176.0
170°	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1	1187.9	1186.6	1186.6
172.5°	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7	1195.3	1194.1	1194.1
175°	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1	1203.8	1202.6	1202.6
177.5°	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9	1208.0	1206.9	1207.1
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	11.4	11.1	11.2	10.9	10.2	11.8	12.6	12.7	12.3	11.8	11.4
90°	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9
92.5°	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8	23.9	25.1	26.3
95°	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2	61.5	62.0	62.4
97.5°	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6	101.8	102.0	102.2
100°	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
102.5°	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1	164.9	165.8	166.6
105°	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5	215.6	216.6	217.7
107.5°	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2	271.3	272.3	273.4
110°	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7	309.7	310.8	311.8



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8	348.4	348.8	349.4
115°	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6	406.4	407.3	408.1
117.5°	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5	463.9	464.3	464.7
120°	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6	500.7	501.7	502.8
122.5°	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9	539.2	539.6	540.0
125°	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9	593.1	594.4	595.7
127.5°	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4	649.0	649.8	650.4
130°	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2	683.2	684.3	685.3
132.5°	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0	717.8	719.5	721.2
135°	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8	771.0	772.2	773.5
137.5°	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2	821.3	822.6	823.8
140°	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5	853.6	854.6	855.6
142.5°	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9	885.8	886.6	887.5
145°	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6	933.4	934.2	935.0
147.5°	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6	977.0	977.5	978.0
150°	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9	1005.7	1005.5	1005.3
152.5°	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0	1030.3	1030.6	1030.9
155°	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2	1099.8	1099.3	1098.8
160°	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7	1119.2	1118.5	1117.9
162.5°	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1	1136.6	1136.1	1135.7
165°	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3	1159.8	1159.4	1159.0
167.5°	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8	1178.9	1178.2	1177.3
170°	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3	1189.5	1188.6	1187.9
172.5°	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9	1197.0	1196.2	1195.3
175°	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4	1205.5	1204.7	1203.8
177.5°	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7	1210.0	1209.4	1208.6
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	11.3	11.6	11.5	12.6	11.7	12.4	12.6	12.4	12.6	12.8	12.6
90°	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2	18.2	19.2	20.1
92.5°	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9	40.2	41.7	42.6
95°	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4	76.8	78.3	79.3
97.5°	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1	119.5	120.9	121.7
100°	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7	149.6	151.5	152.7
102.5°	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1	180.2	182.3	183.6
105°	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4	228.7	229.9	230.8
107.5°	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5	281.2	281.8	282.1
110°	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4	318.0	318.7	318.9



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4	354.7	355.0	355.0
115°	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8	410.6	410.4	410.2
117.5°	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2	467.4	467.6	467.2
120°	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3	505.3	505.3	504.9
122.5°	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6	542.4	542.2	541.9
125°	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7	597.2	596.8	596.4
127.5°	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2	652.1	651.9	651.5
130°	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3	688.2	688.0	687.7
132.5°	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0	722.8	722.6	722.2
135°	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3	776.3	776.3	775.9
137.5°	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2	828.4	828.7	828.3
140°	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9	861.3	861.8	861.4
142.5°	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0	893.2	893.4	893.1
145°	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1	939.1	939.1	938.8
147.5°	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8	982.4	982.9	982.4
150°	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7	1008.7	1008.7	1008.5
152.5°	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9	1034.3	1034.8	1034.7
155°	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7	1070.5	1071.4	1071.3
157.5°	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7	1101.5	1102.4	1102.1
160°	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6	1120.4	1121.2	1121.2
162.5°	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2	1138.2	1139.3	1139.2
165°	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9	1161.8	1162.6	1162.4
167.5°	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6	1179.8	1181.1	1181.0
170°	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1	1190.3	1191.6	1191.5
172.5°	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7	1197.9	1199.1	1199.1
175°	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1	1206.4	1207.6	1207.5
177.5°	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9	1209.9	1210.9	1210.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	13.1	12.9	13.0	13.1	13.0	12.9	13.1	12.6	12.8	12.6	12.4
90°	20.7	21.3	22.0	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2
92.5°	43.1	43.5	43.9	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9
95°	79.6	80.1	80.5	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4
97.5°	122.0	122.2	122.4	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1
100°	153.1	153.4	153.9	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7
102.5°	184.2	184.7	185.4	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1
105°	231.5	232.1	232.7	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4
107.5°	282.0	282.0	282.0	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5
110°	318.7	318.5	318.3	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	354.6	354.2	353.8	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4
115°	409.9	409.7	409.5	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8
117.5°	466.4	465.6	464.8	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2
120°	504.1	503.2	502.4	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3
122.5°	541.2	540.5	539.9	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6
125°	596.3	596.1	595.9	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7
127.5°	651.1	650.6	650.3	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2
130°	687.2	686.8	686.4	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3
132.5°	721.6	721.0	720.5	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0
135°	775.1	774.2	773.4	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3
137.5°	827.3	826.2	825.2	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2
140°	860.4	859.3	858.3	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9
142.5°	892.0	891.0	889.9	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0
145°	938.2	937.5	936.9	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1
147.5°	981.0	979.6	978.2	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8
150°	1008.1	1007.7	1007.3	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7
152.5°	1034.0	1033.2	1032.5	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9
155°	1070.3	1069.1	1068.1	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7
157.5°	1100.8	1099.4	1098.0	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7
160°	1120.1	1119.1	1118.0	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6
162.5°	1137.9	1136.7	1135.5	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2
165°	1161.2	1159.9	1158.7	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9
167.5°	1179.8	1178.5	1177.1	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6
170°	1190.1	1188.5	1187.1	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1
172.5°	1197.8	1196.6	1195.2	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7
175°	1206.1	1204.6	1203.1	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1
177.5°	1209.7	1208.5	1207.3	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	12.6	12.4	11.7	12.6	11.5	11.6	11.3	11.4	11.8	12.3	12.7
90°	16.1	15.1	13.6	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9
92.5°	37.5	36.1	34.3	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8
95°	73.9	72.5	70.4	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2
97.5°	116.8	115.4	112.4	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6
100°	145.8	143.9	141.3	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8
102.5°	176.2	174.1	172.7	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1
105°	226.1	224.9	223.7	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5
107.5°	279.9	279.3	278.3	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2
110°	316.8	316.1	315.6	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7



TEST NUMBER: P333569-830

CATALOG NUMBER: S125RDIP-S850D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	353.8	353.0	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8
115°	411.0	411.2	410.8	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6
117.5°	467.1	466.9	466.6	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5
120°	505.3	505.3	505.1	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6
122.5°	542.8	542.9	542.4	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9
125°	598.0	598.5	598.2	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9
127.5°	652.4	652.7	652.4	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4
130°	688.6	688.8	688.3	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2
132.5°	723.2	723.4	723.5	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0
135°	776.3	776.3	776.1	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8
137.5°	827.9	827.6	827.3	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2
140°	860.4	860.1	859.4	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5
142.5°	892.7	892.4	891.6	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9
145°	939.1	939.1	938.5	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6
147.5°	981.4	980.9	980.3	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6
150°	1008.7	1008.7	1007.9	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9
152.5°	1033.3	1032.8	1032.5	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0
155°	1068.8	1068.0	1067.8	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1099.9	1099.1	1098.9	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2
160°	1118.7	1117.9	1117.7	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7
162.5°	1136.2	1135.2	1135.2	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1
165°	1160.2	1159.3	1159.0	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3
167.5°	1177.3	1176.0	1176.0	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8
170°	1187.9	1186.6	1186.6	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3
172.5°	1195.3	1194.1	1194.1	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9
175°	1203.8	1202.6	1202.6	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4
177.5°	1208.0	1206.9	1207.1	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.6	11.8	10.2	10.9	11.2	11.1	11.4	11.3	11.2	11.4	11.7
90°	2.6	4.2	5.9	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2
92.5°	23.9	25.1	26.3	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9
95°	61.5	62.0	62.4	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4
97.5°	101.8	102.0	102.2	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1
100°	131.8	131.8	131.8	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7
102.5°	164.9	165.8	166.6	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1
105°	215.6	216.6	217.7	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4
107.5°	271.3	272.3	273.4	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5
110°	309.7	310.8	311.8	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	348.4	348.8	349.4	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4
115°	406.4	407.3	408.1	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8
117.5°	463.9	464.3	464.7	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2
120°	500.7	501.7	502.8	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3
122.5°	539.2	539.6	540.0	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6
125°	593.1	594.4	595.7	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7
127.5°	649.0	649.8	650.4	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2
130°	683.2	684.3	685.3	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3
132.5°	717.8	719.5	721.2	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0
135°	771.0	772.2	773.5	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3
137.5°	821.3	822.6	823.8	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2
140°	853.6	854.6	855.6	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9
142.5°	885.8	886.6	887.5	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0
145°	933.4	934.2	935.0	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1
147.5°	977.0	977.5	978.0	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8
150°	1005.7	1005.5	1005.3	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7
152.5°	1030.3	1030.6	1030.9	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9
155°	1067.1	1067.1	1067.1	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7
157.5°	1099.8	1099.3	1098.8	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7
160°	1119.2	1118.5	1117.9	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6
162.5°	1136.6	1136.1	1135.7	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2
165°	1159.8	1159.4	1159.0	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9
167.5°	1178.9	1178.2	1177.3	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6
170°	1189.5	1188.6	1187.9	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1
172.5°	1197.0	1196.2	1195.3	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7
175°	1205.5	1204.7	1203.8	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1
177.5°	1210.0	1209.4	1208.6	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	12.3	12.8	12.3	12.0	12.1	12.6	13.1
90°	18.2	19.2	20.1	20.7	21.3	22.0	22.6
92.5°	40.2	41.7	42.6	43.1	43.5	43.9	44.4
95°	76.8	78.3	79.3	79.6	80.1	80.5	81.0
97.5°	119.5	120.9	121.7	122.0	122.2	122.4	122.7
100°	149.6	151.5	152.7	153.1	153.4	153.9	154.3
102.5°	180.2	182.3	183.6	184.2	184.7	185.4	186.0
105°	228.7	229.9	230.8	231.5	232.1	232.7	233.4
107.5°	281.2	281.8	282.1	282.0	282.0	282.0	281.9
110°	318.0	318.7	318.9	318.7	318.5	318.3	318.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	354.7	355.0	355.0	354.6	354.2	353.8	353.5
115°	410.6	410.4	410.2	409.9	409.7	409.5	409.3
117.5°	467.4	467.6	467.2	466.4	465.6	464.8	463.9
120°	505.3	505.3	504.9	504.1	503.2	502.4	501.5
122.5°	542.4	542.2	541.9	541.2	540.5	539.9	539.2
125°	597.2	596.8	596.4	596.3	596.1	595.9	595.7
127.5°	652.1	651.9	651.5	651.1	650.6	650.3	649.9
130°	688.2	688.0	687.7	687.2	686.8	686.4	686.0
132.5°	722.8	722.6	722.2	721.6	721.0	720.5	719.8
135°	776.3	776.3	775.9	775.1	774.2	773.4	772.5
137.5°	828.4	828.7	828.3	827.3	826.2	825.2	824.2
140°	861.3	861.8	861.4	860.4	859.3	858.3	857.2
142.5°	893.2	893.4	893.1	892.0	891.0	889.9	888.8
145°	939.1	939.1	938.8	938.2	937.5	936.9	936.3
147.5°	982.4	982.9	982.4	981.0	979.6	978.2	976.8
150°	1008.7	1008.7	1008.5	1008.1	1007.7	1007.3	1006.8
152.5°	1034.3	1034.8	1034.7	1034.0	1033.2	1032.5	1031.7
155°	1070.5	1071.4	1071.3	1070.3	1069.1	1068.1	1067.1
157.5°	1101.5	1102.4	1102.1	1100.8	1099.4	1098.0	1096.6
160°	1120.4	1121.2	1121.2	1120.1	1119.1	1118.0	1116.9
162.5°	1138.2	1139.3	1139.2	1137.9	1136.7	1135.5	1134.3
165°	1161.8	1162.6	1162.4	1161.2	1159.9	1158.7	1157.4
167.5°	1179.8	1181.1	1181.0	1179.8	1178.5	1177.1	1175.8
170°	1190.3	1191.6	1191.5	1190.1	1188.5	1187.1	1185.6
172.5°	1197.9	1199.1	1199.1	1197.8	1196.6	1195.2	1193.9
175°	1206.4	1207.6	1207.5	1206.1	1204.6	1203.1	1201.6
177.5°	1209.9	1210.9	1210.9	1209.7	1208.5	1207.3	1206.2
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2

(END OF REPORT)