

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: P333576-830

Luminaire Tested: **S125RDIP-S850D1205U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333576-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D1205U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7165.5 lumens
Efficiency: N/A
Efficacy: 125.9 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

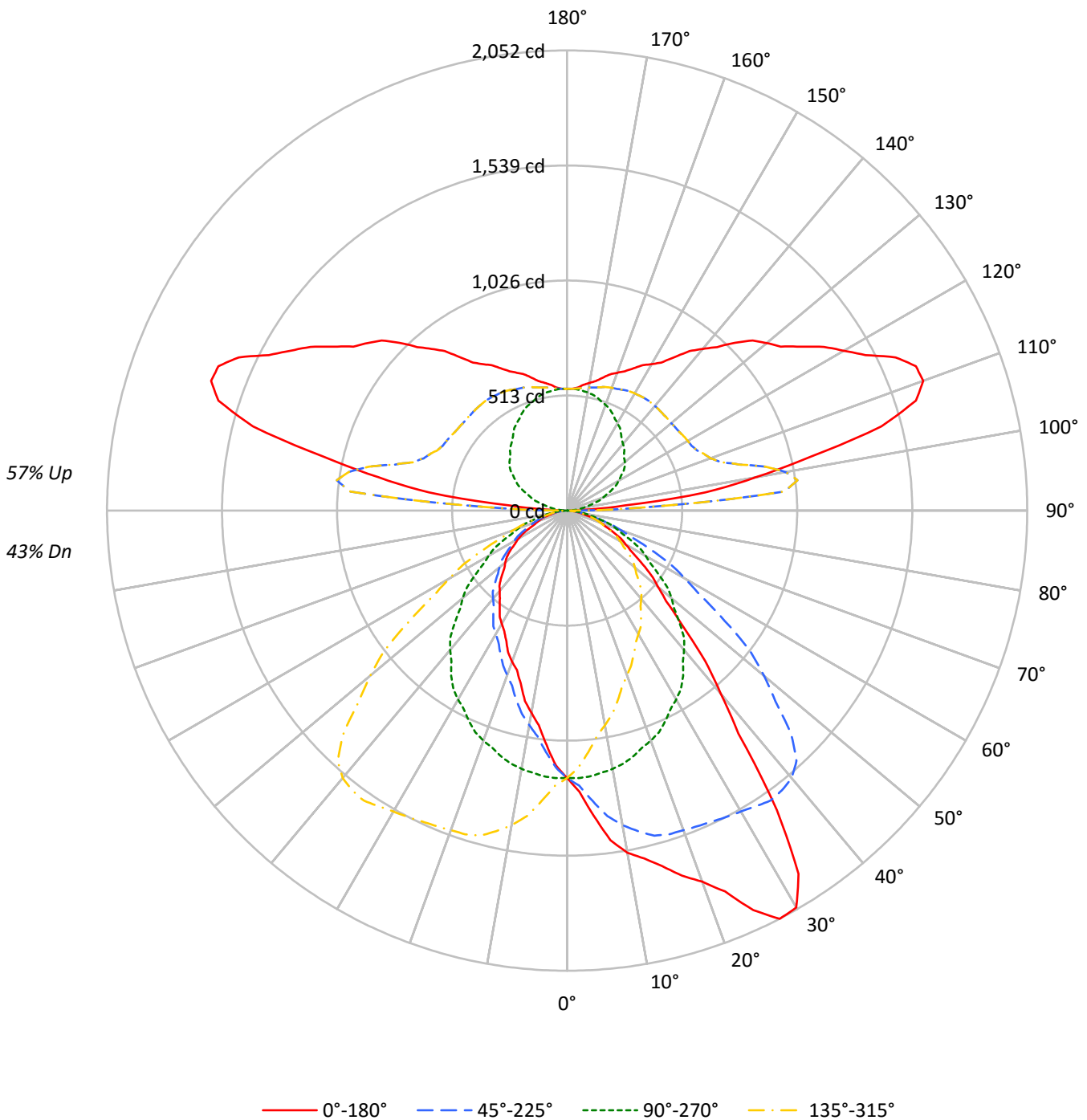
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	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	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	92	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	50	47	45	42	39	35	33	31	27
4	74	63	56	50	67	58	52	47	49	44	40	40	36	34	32	29	27	24
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21
6	63	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	34	29	49	39	32	27	33	27	24	27	23	20	22	19	17	14
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	28	22	19	23	19	16	19	16	14	12

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	1.6
10°-20°	335.0	4.7
20°-30°	531.2	7.4
30°-40°	640.6	8.9
40°-50°	572.1	8.0
50°-60°	438.7	6.1
60°-70°	285.1	4.0
70°-80°	138.6	1.9
80°-90°	36.1	0.5
90°-100°	393.7	5.5
100°-110°	846.4	11.8
110°-120°	794.4	11.1
120°-130°	643.8	9.0
130°-140°	516.6	7.2
140°-150°	389.9	5.4
150°-160°	274.4	3.8
160°-170°	161.8	2.3
170°-180°	52.6	0.7
0°-30°	980.6	13.7
0°-40°	1621.2	22.6
0°-60°	2632.0	36.7
0°-90°	3091.9	43.1
90°-120°	2034.5	28.4
90°-150°	3584.8	50.0
90°-180°	4074.0	56.9
0°-180°	7165.5	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	27
90°	25	1	25	1	25	18
95°	257	36	257	36	257	365
105°	1451	124	1451	124	1451	1442
115°	1616	221	1616	221	1616	1579
125°	1274	307	1274	307	1274	1152
135°	1058	359	1058	359	1058	820
145°	834	418	834	418	834	530
155°	700	478	700	478	700	326
165°	613	521	613	521	613	175
175°	551	542	551	542	551	54
180°	543	543	543	543	543	



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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°	13.7	13.3	12.6	12.6	13.0	13.4	12.8	12.2	12.0	11.7	11.7
90°	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7	18.7	17.5	15.4
92.5°	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1	285.9	353.1	358.8
95°	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4	949.5	970.3	791.8
97.5°	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7	1201.5	1036.2	707.1
100°	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1	1262.7	988.9	630.8
102.5°	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8	1226.0	905.7	573.0
105°	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2	1108.3	794.0	516.9
107.5°	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6	988.4	717.1	493.2
110°	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5	919.9	681.2	486.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7	869.1	660.2	486.3
115°	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5	813.7	637.4	489.6
117.5°	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1	780.6	626.2	496.8
120°	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7	762.2	620.9	503.8
122.5°	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0	746.5	616.6	509.9
125°	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6	725.0	611.1	520.2
127.5°	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5	705.3	608.5	531.8
130°	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7	692.2	606.7	538.9
132.5°	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7	681.6	606.7	546.7
135°	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2	669.2	606.7	557.4
137.5°	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2	658.0	608.0	567.3
140°	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0	652.7	608.9	571.7
142.5°	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6	648.4	609.8	574.3
145°	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7	641.8	608.9	577.2
147.5°	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8	635.0	606.1	578.2
150°	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8	629.7	603.4	578.2
152.5°	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1	623.6	599.9	577.4
155°	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9	613.3	593.6	575.0
157.5°	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8	603.7	587.0	572.1
160°	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0	595.8	582.7	569.5
162.5°	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4	588.8	577.4	566.8
165°	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0	578.2	569.5	562.9
167.5°	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3	568.0	561.8	556.8
170°	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3	561.8	557.4	554.2
172.5°	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4	555.7	552.2	550.6
175°	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9	547.6	546.5	546.5
177.5°	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0	544.1	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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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°	11.9	11.4	11.6	11.1	10.3	11.9	12.5	12.7	12.2	11.9	11.5
90°	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1	2.2	4.3	6.6
92.5°	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4	16.2	25.4	39.0
95°	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1	37.2	46.0	58.1
97.5°	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0	61.4	67.5	79.6
100°	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6	78.9	83.2	95.3
102.5°	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1	96.4	99.9	112.8
105°	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8	123.8	129.2	140.2
107.5°	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7	154.0	159.2	168.2
110°	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9	174.2	178.5	188.4



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1	194.3	197.7	207.6
115°	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2	223.4	226.7	236.6
117.5°	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5	250.8	254.3	264.2
120°	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0	268.3	272.7	282.6
122.5°	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4	285.9	289.4	299.2
125°	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6	308.9	314.3	324.1
127.5°	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8	328.1	335.2	347.6
130°	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2	339.5	348.3	362.5
132.5°	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0	349.1	359.7	375.7
135°	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2	363.6	376.7	394.3
137.5°	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2	380.5	392.8	410.3
140°	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7	391.0	404.2	421.7
142.5°	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9	402.4	414.6	432.2
145°	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4	420.6	431.5	446.9
147.5°	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6	438.9	448.4	462.6
150°	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0	451.2	458.9	473.2
152.5°	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3	462.6	469.4	481.9
155°	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5	477.5	484.1	495.0
157.5°	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0	491.7	497.0	506.4
160°	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6	500.5	504.9	512.6
162.5°	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4	508.4	512.7	519.5
165°	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3	519.2	522.5	527.9
167.5°	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2	528.1	530.1	533.1
170°	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4	533.4	534.4	536.7
172.5°	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0	536.0	537.1	539.2
175°	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2	539.9	541.0	542.2
177.5°	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1	542.3	542.3	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

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°	11.5	12.0	11.8	13.0	12.1	12.9	13.1	12.9	13.2	13.4	13.5
90°	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7	20.8	21.9	24.1
92.5°	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1	140.8	106.0	89.8
95°	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4	620.9	486.3	394.3
97.5°	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7	1056.0	924.8	796.8
100°	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1	1293.5	1180.6	1066.7
102.5°	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8	1438.9	1384.8	1307.7
105°	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2	1521.3	1569.4	1557.4
107.5°	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6	1447.8	1571.6	1628.8
110°	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5	1364.6	1519.0	1612.1



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7	1282.2	1438.4	1548.1
115°	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5	1164.2	1314.2	1433.6
117.5°	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1	1082.5	1211.7	1321.3
120°	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7	1036.0	1156.5	1252.9
122.5°	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0	1002.8	1110.1	1200.3
125°	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6	958.3	1053.6	1132.5
127.5°	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5	915.8	1004.8	1078.6
130°	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7	886.0	971.5	1042.6
132.5°	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7	858.0	935.5	1004.1
135°	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2	814.8	885.0	947.3
137.5°	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2	776.3	834.5	887.6
140°	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0	753.5	803.9	849.9
142.5°	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6	734.2	777.6	817.5
145°	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7	709.6	743.7	773.2
147.5°	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8	689.3	715.4	737.7
150°	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8	678.0	698.7	718.4
152.5°	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1	666.6	685.6	701.0
155°	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9	649.4	664.8	676.8
157.5°	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8	633.2	645.1	654.5
160°	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0	620.9	631.9	639.6
162.5°	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4	610.5	619.6	626.4
165°	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0	594.7	601.2	606.7
167.5°	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3	579.4	584.4	588.3
170°	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3	570.6	573.9	576.1
172.5°	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4	562.7	565.1	566.5
175°	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9	550.9	553.1	553.1
177.5°	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0	545.8	545.8	545.8
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

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°	13.9	13.5	13.7	13.7	13.7	13.5	13.9	13.5	13.4	13.2	12.9
90°	24.1	24.1	25.2	25.2	25.2	24.1	24.1	24.1	21.9	20.8	19.7
92.5°	75.8	73.1	71.6	69.8	71.6	73.1	75.8	89.8	106.0	140.8	194.1
95°	316.5	283.6	274.9	257.4	274.9	283.6	316.5	394.3	486.3	620.9	787.4
97.5°	729.2	667.9	636.1	622.1	636.1	667.9	729.2	796.8	924.8	1056.0	1172.7
100°	991.2	912.3	871.8	854.2	871.8	912.3	991.2	1066.7	1180.6	1293.5	1347.1
102.5°	1226.8	1170.7	1126.7	1113.6	1126.7	1170.7	1226.8	1307.7	1384.8	1438.9	1405.8
105°	1522.3	1486.2	1464.2	1451.1	1464.2	1486.2	1522.3	1557.4	1569.4	1521.3	1371.2
107.5°	1646.5	1646.3	1639.1	1630.3	1639.1	1646.3	1646.5	1628.8	1571.6	1447.8	1247.6
110°	1661.4	1682.2	1689.9	1689.9	1689.9	1682.2	1661.4	1612.1	1519.0	1364.6	1156.5



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1620.2	1656.0	1675.0	1682.9	1675.0	1656.0	1620.2	1548.1	1438.4	1282.2	1084.7
115°	1519.0	1571.6	1602.2	1616.5	1602.2	1571.6	1519.0	1433.6	1314.2	1164.2	994.5
117.5°	1406.7	1461.0	1491.5	1500.2	1491.5	1461.0	1406.7	1321.3	1211.7	1082.5	936.1
120°	1334.0	1386.5	1416.1	1424.8	1416.1	1386.5	1334.0	1252.9	1156.5	1036.0	904.7
122.5°	1272.6	1320.8	1350.4	1358.3	1350.4	1320.8	1272.6	1200.3	1110.1	1002.8	881.0
125°	1193.7	1238.7	1262.7	1273.8	1262.7	1238.7	1193.7	1132.5	1053.6	958.3	846.6
127.5°	1134.2	1173.8	1196.7	1201.5	1196.7	1173.8	1134.2	1078.6	1004.8	915.8	811.5
130°	1097.4	1133.5	1155.5	1162.0	1155.5	1133.5	1097.4	1042.6	971.5	886.0	789.7
132.5°	1058.9	1095.0	1115.1	1122.6	1115.1	1095.0	1058.9	1004.1	935.5	858.0	767.7
135°	995.5	1031.7	1051.4	1058.0	1051.4	1031.7	995.5	947.3	885.0	814.8	739.2
137.5°	930.7	963.6	981.8	988.9	981.8	963.6	930.7	887.6	834.5	776.3	715.2
140°	890.4	918.9	935.3	940.8	935.3	918.9	890.4	849.9	803.9	753.5	702.0
142.5°	851.9	875.9	891.5	896.1	891.5	875.9	851.9	817.5	777.6	734.2	690.6
145°	799.5	818.1	830.2	834.5	830.2	818.1	799.5	773.2	743.7	709.6	675.7
147.5°	758.6	773.5	780.4	782.4	780.4	773.5	758.6	737.7	715.4	689.3	661.8
150°	734.9	748.0	752.4	753.5	752.4	748.0	734.9	718.4	698.7	678.0	653.8
152.5°	714.7	725.2	729.6	730.8	729.6	725.2	714.7	701.0	685.6	666.6	645.1
155°	687.8	695.4	698.7	699.8	698.7	695.4	687.8	676.8	664.8	649.4	631.9
157.5°	663.0	669.4	672.4	672.2	672.4	669.4	663.0	654.5	645.1	633.2	618.8
160°	647.2	652.7	655.0	653.8	655.0	652.7	647.2	639.6	631.9	620.9	610.0
162.5°	632.4	637.0	637.4	637.2	637.4	637.0	632.4	626.4	619.6	610.5	600.4
165°	611.1	613.3	613.3	613.3	613.3	613.3	611.1	606.7	601.2	594.7	587.0
167.5°	590.5	592.5	591.6	591.4	591.6	592.5	590.5	588.3	584.4	579.4	574.3
170°	578.2	579.4	579.4	578.2	579.4	579.4	578.2	576.1	573.9	570.6	567.3
172.5°	566.8	568.8	567.1	566.0	567.1	568.8	566.8	566.5	565.1	562.7	559.4
175°	553.1	554.2	552.0	550.9	552.0	554.2	553.1	553.1	553.1	550.9	550.9
177.5°	545.0	545.8	543.2	543.2	543.2	545.8	545.0	545.8	545.8	545.8	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

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°	13.1	12.9	12.1	13.0	11.8	12.0	11.5	11.5	11.9	12.2	12.7
90°	18.7	17.5	15.4	14.2	12.1	10.9	8.8	6.6	4.3	2.2	1.1
92.5°	285.9	353.1	358.8	250.0	149.6	89.8	57.9	39.0	25.4	16.2	13.4
95°	949.5	970.3	791.8	489.6	248.6	131.4	82.1	58.1	46.0	37.2	36.1
97.5°	1201.5	1036.2	707.1	390.8	214.2	136.7	101.2	79.6	67.5	61.4	60.0
100°	1262.7	988.9	630.8	354.9	212.4	148.9	116.1	95.3	83.2	78.9	76.6
102.5°	1226.0	905.7	573.0	340.0	220.4	163.8	131.9	112.8	99.9	96.4	95.1
105°	1108.3	794.0	516.9	334.0	236.6	188.4	157.7	140.2	129.2	123.8	123.8
107.5°	988.4	717.1	493.2	344.1	260.6	214.0	186.4	168.2	159.2	154.0	151.7
110°	919.9	681.2	486.3	353.7	278.1	233.3	204.8	188.4	178.5	174.2	171.9



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	869.1	660.2	486.3	366.0	294.8	251.7	224.0	207.6	197.7	194.3	192.1
115°	813.7	637.4	489.6	384.4	320.9	280.4	253.0	236.6	226.7	223.4	221.2
117.5°	780.6	626.2	496.8	405.5	347.6	309.2	282.8	264.2	254.3	250.8	247.5
120°	762.2	620.9	503.8	419.4	366.9	328.6	301.1	282.6	272.7	268.3	265.0
122.5°	746.5	616.6	509.9	435.3	385.3	346.9	319.6	299.2	289.4	285.9	283.4
125°	725.0	611.1	520.2	456.7	409.6	373.4	345.0	324.1	314.3	308.9	306.6
127.5°	705.3	608.5	531.8	476.5	433.0	398.2	369.8	347.6	335.2	328.1	324.8
130°	692.2	606.7	538.9	489.6	447.9	414.0	385.5	362.5	348.3	339.5	336.2
132.5°	681.6	606.7	546.7	501.0	461.9	428.0	399.5	375.7	359.7	349.1	345.0
135°	669.2	606.7	557.4	516.9	480.8	446.9	417.3	394.3	376.7	363.6	359.2
137.5°	658.0	608.0	567.3	528.8	494.2	463.3	432.8	410.3	392.8	380.5	377.2
140°	652.7	608.9	571.7	536.7	503.8	472.0	442.4	421.7	404.2	391.0	387.7
142.5°	648.4	609.8	574.3	541.0	509.9	479.9	452.1	432.2	414.6	402.4	399.9
145°	641.8	608.9	577.2	547.6	520.2	491.7	466.6	446.9	431.5	420.6	418.4
147.5°	635.0	606.1	578.2	551.6	526.8	501.8	479.7	462.6	448.4	438.9	437.6
150°	629.7	603.4	578.2	554.2	531.1	507.1	488.4	473.2	458.9	451.2	449.0
152.5°	623.6	599.9	577.4	555.9	535.6	513.2	496.3	481.9	469.4	462.6	461.3
155°	613.3	593.6	575.0	557.4	539.9	521.3	506.0	495.0	484.1	477.5	477.5
157.5°	603.7	587.0	572.1	558.6	543.7	527.6	516.0	506.4	497.0	491.7	492.0
160°	595.8	582.7	569.5	558.6	545.4	531.1	521.3	512.6	504.9	500.5	501.6
162.5°	588.8	577.4	566.8	557.7	547.1	534.7	526.6	519.5	512.7	508.4	509.4
165°	578.2	569.5	562.9	556.4	547.6	538.9	532.3	527.9	522.5	519.2	521.3
167.5°	568.0	561.8	556.8	553.7	547.6	540.4	536.2	533.1	530.1	528.1	529.2
170°	561.8	557.4	554.2	552.0	547.6	542.2	538.9	536.7	534.4	533.4	534.4
172.5°	555.7	552.2	550.6	550.3	546.7	542.2	540.5	539.2	537.1	536.0	538.0
175°	547.6	546.5	546.5	547.6	545.4	542.2	542.2	542.2	541.0	539.9	542.2
177.5°	544.1	543.2	543.2	545.0	544.1	542.3	542.3	543.2	542.3	542.3	544.1
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



TEST NUMBER: P333576-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A4

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°	12.5	11.9	10.3	11.1	11.6	11.4	11.9	11.7	11.7	12.0	12.2
90°	2.2	4.3	6.6	8.8	10.9	12.1	14.2	15.4	17.5	18.7	19.7
92.5°	16.2	25.4	39.0	57.9	89.8	149.6	250.0	358.8	353.1	285.9	194.1
95°	37.2	46.0	58.1	82.1	131.4	248.6	489.6	791.8	970.3	949.5	787.4
97.5°	61.4	67.5	79.6	101.2	136.7	214.2	390.8	707.1	1036.2	1201.5	1172.7
100°	78.9	83.2	95.3	116.1	148.9	212.4	354.9	630.8	988.9	1262.7	1347.1
102.5°	96.4	99.9	112.8	131.9	163.8	220.4	340.0	573.0	905.7	1226.0	1405.8
105°	123.8	129.2	140.2	157.7	188.4	236.6	334.0	516.9	794.0	1108.3	1371.2
107.5°	154.0	159.2	168.2	186.4	214.0	260.6	344.1	493.2	717.1	988.4	1247.6
110°	174.2	178.5	188.4	204.8	233.3	278.1	353.7	486.3	681.2	919.9	1156.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	194.3	197.7	207.6	224.0	251.7	294.8	366.0	486.3	660.2	869.1	1084.7
115°	223.4	226.7	236.6	253.0	280.4	320.9	384.4	489.6	637.4	813.7	994.5
117.5°	250.8	254.3	264.2	282.8	309.2	347.6	405.5	496.8	626.2	780.6	936.1
120°	268.3	272.7	282.6	301.1	328.6	366.9	419.4	503.8	620.9	762.2	904.7
122.5°	285.9	289.4	299.2	319.6	346.9	385.3	435.3	509.9	616.6	746.5	881.0
125°	308.9	314.3	324.1	345.0	373.4	409.6	456.7	520.2	611.1	725.0	846.6
127.5°	328.1	335.2	347.6	369.8	398.2	433.0	476.5	531.8	608.5	705.3	811.5
130°	339.5	348.3	362.5	385.5	414.0	447.9	489.6	538.9	606.7	692.2	789.7
132.5°	349.1	359.7	375.7	399.5	428.0	461.9	501.0	546.7	606.7	681.6	767.7
135°	363.6	376.7	394.3	417.3	446.9	480.8	516.9	557.4	606.7	669.2	739.2
137.5°	380.5	392.8	410.3	432.8	463.3	494.2	528.8	567.3	608.0	658.0	715.2
140°	391.0	404.2	421.7	442.4	472.0	503.8	536.7	571.7	608.9	652.7	702.0
142.5°	402.4	414.6	432.2	452.1	479.9	509.9	541.0	574.3	609.8	648.4	690.6
145°	420.6	431.5	446.9	466.6	491.7	520.2	547.6	577.2	608.9	641.8	675.7
147.5°	438.9	448.4	462.6	479.7	501.8	526.8	551.6	578.2	606.1	635.0	661.8
150°	451.2	458.9	473.2	488.4	507.1	531.1	554.2	578.2	603.4	629.7	653.8
152.5°	462.6	469.4	481.9	496.3	513.2	535.6	555.9	577.4	599.9	623.6	645.1
155°	477.5	484.1	495.0	506.0	521.3	539.9	557.4	575.0	593.6	613.3	631.9
157.5°	491.7	497.0	506.4	516.0	527.6	543.7	558.6	572.1	587.0	603.7	618.8
160°	500.5	504.9	512.6	521.3	531.1	545.4	558.6	569.5	582.7	595.8	610.0
162.5°	508.4	512.7	519.5	526.6	534.7	547.1	557.7	566.8	577.4	588.8	600.4
165°	519.2	522.5	527.9	532.3	538.9	547.6	556.4	562.9	569.5	578.2	587.0
167.5°	528.1	530.1	533.1	536.2	540.4	547.6	553.7	556.8	561.8	568.0	574.3
170°	533.4	534.4	536.7	538.9	542.2	547.6	552.0	554.2	557.4	561.8	567.3
172.5°	536.0	537.1	539.2	540.5	542.2	546.7	550.3	550.6	552.2	555.7	559.4
175°	539.9	541.0	542.2	542.2	542.2	545.4	547.6	546.5	546.5	547.6	550.9
177.5°	542.3	542.3	543.2	542.3	542.3	544.1	545.0	543.2	543.2	544.1	545.0
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2	543.2



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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°	12.8	13.4	13.0	12.6	12.6	13.3	13.7
90°	20.8	21.9	24.1	24.1	24.1	25.2	25.2
92.5°	140.8	106.0	89.8	75.8	73.1	71.6	69.8
95°	620.9	486.3	394.3	316.5	283.6	274.9	257.4
97.5°	1056.0	924.8	796.8	729.2	667.9	636.1	622.1
100°	1293.5	1180.6	1066.7	991.2	912.3	871.8	854.2
102.5°	1438.9	1384.8	1307.7	1226.8	1170.7	1126.7	1113.6
105°	1521.3	1569.4	1557.4	1522.3	1486.2	1464.2	1451.1
107.5°	1447.8	1571.6	1628.8	1646.5	1646.3	1639.1	1630.3
110°	1364.6	1519.0	1612.1	1661.4	1682.2	1689.9	1689.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1282.2	1438.4	1548.1	1620.2	1656.0	1675.0	1682.9
115°	1164.2	1314.2	1433.6	1519.0	1571.6	1602.2	1616.5
117.5°	1082.5	1211.7	1321.3	1406.7	1461.0	1491.5	1500.2
120°	1036.0	1156.5	1252.9	1334.0	1386.5	1416.1	1424.8
122.5°	1002.8	1110.1	1200.3	1272.6	1320.8	1350.4	1358.3
125°	958.3	1053.6	1132.5	1193.7	1238.7	1262.7	1273.8
127.5°	915.8	1004.8	1078.6	1134.2	1173.8	1196.7	1201.5
130°	886.0	971.5	1042.6	1097.4	1133.5	1155.5	1162.0
132.5°	858.0	935.5	1004.1	1058.9	1095.0	1115.1	1122.6
135°	814.8	885.0	947.3	995.5	1031.7	1051.4	1058.0
137.5°	776.3	834.5	887.6	930.7	963.6	981.8	988.9
140°	753.5	803.9	849.9	890.4	918.9	935.3	940.8
142.5°	734.2	777.6	817.5	851.9	875.9	891.5	896.1
145°	709.6	743.7	773.2	799.5	818.1	830.2	834.5
147.5°	689.3	715.4	737.7	758.6	773.5	780.4	782.4
150°	678.0	698.7	718.4	734.9	748.0	752.4	753.5
152.5°	666.6	685.6	701.0	714.7	725.2	729.6	730.8
155°	649.4	664.8	676.8	687.8	695.4	698.7	699.8
157.5°	633.2	645.1	654.5	663.0	669.4	672.4	672.2
160°	620.9	631.9	639.6	647.2	652.7	655.0	653.8
162.5°	610.5	619.6	626.4	632.4	637.0	637.4	637.2
165°	594.7	601.2	606.7	611.1	613.3	613.3	613.3
167.5°	579.4	584.4	588.3	590.5	592.5	591.6	591.4
170°	570.6	573.9	576.1	578.2	579.4	579.4	578.2
172.5°	562.7	565.1	566.5	566.8	568.8	567.1	566.0
175°	550.9	553.1	553.1	553.1	554.2	552.0	550.9
177.5°	545.8	545.8	545.8	545.0	545.8	543.2	543.2
180°	543.2	543.2	543.2	543.2	543.2	543.2	543.2

(END OF REPORT)