

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: P333570

Luminaire Tested: **S125RDIP-S850D1035U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333570
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-S850D1035U835-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6993.0 lumens
Efficiency: N/A
Efficacy: 134.5 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

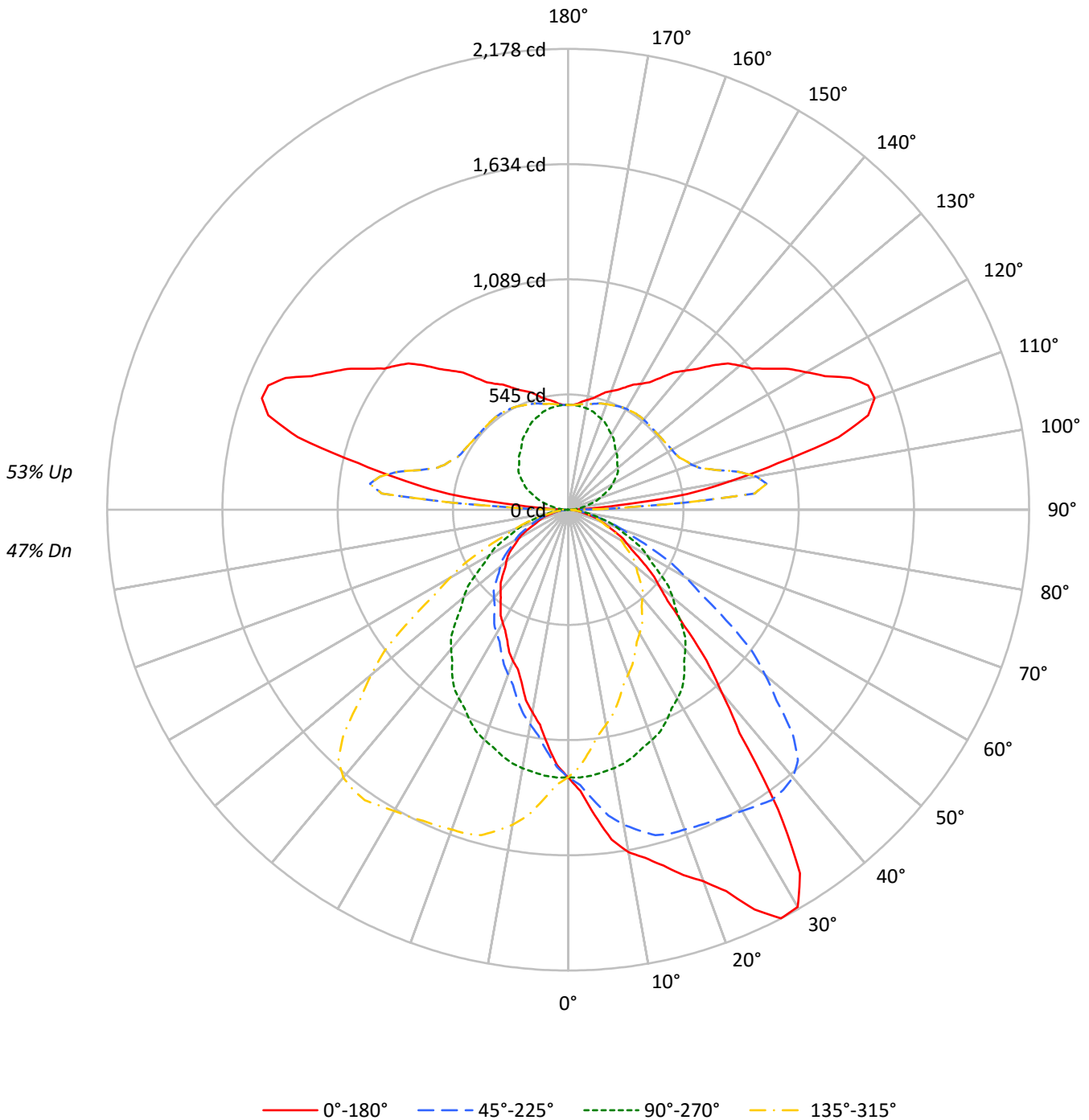
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	50	30	10	0														
RCR																																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47																				
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46	40																				
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	42	41	39	34																				
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34	29																				
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29	26																				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	22																				
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20																				
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20	18																				
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	23	20	18	16																				
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14																				
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8169	8169	8169	8169
5°	9398	8180	7224	8180
10°	10781	8138	6374	8138
15°	11645	8055	5666	8055
20°	12841	7958	5232	7958
25°	14860	7829	4855	7829
30°	16171	7694	4608	7694
35°	13640	7536	4380	7536
40°	9526	7254	4185	7254
45°	7067	6872	3993	6872
50°	5635	6475	3829	6475
55°	4782	5981	3683	5981
60°	4132	5540	3447	5540
65°	3681	5063	2968	5063
70°	3237	4638	2706	4638
75°	2800	4017	2540	4017
80°	2124	3381	2124	3381
85°	1771	2653	2001	2653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	1.7
10°-20°	355.5	5.1
20°-30°	563.6	8.1
30°-40°	679.7	9.7
40°-50°	607.0	8.7
50°-60°	465.5	6.7
60°-70°	302.5	4.3
70°-80°	147.1	2.1
80°-90°	37.9	0.5
90°-100°	358.9	5.1
100°-110°	771.5	11.0
110°-120°	724.1	10.4
120°-130°	586.8	8.4
130°-140°	470.9	6.7
140°-150°	355.4	5.1
150°-160°	250.1	3.6
160°-170°	147.4	2.1
170°-180°	48.0	0.7
0°-30°	1040.4	14.9
0°-40°	1720.1	24.6
0°-60°	2792.5	39.9
0°-90°	3279.9	46.9
90°-120°	1854.5	26.5
90°-150°	3267.6	46.7
90°-180°	3713.0	53.1
0°-180°	6993.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1450	1262	1114	1262	1450	145
15°	1742	1205	847	1205	1742	499
25°	2085	1099	681	1099	2085	957
35°	1730	956	556	956	1730	1045
45°	774	752	437	752	774	617
55°	425	531	327	531	425	385
65°	241	331	194	331	241	240
75°	112	161	102	161	112	119
85°	24	36	27	36	24	28
90°	23	1	23	1	23	17
95°	235	33	235	33	235	332
105°	1323	113	1323	113	1323	1315
115°	1474	202	1474	202	1474	1440
125°	1161	280	1161	280	1161	1050
135°	964	327	964	327	964	747
145°	761	381	761	381	761	483
155°	638	435	638	435	638	297
165°	559	475	559	475	559	160
175°	502	494	502	494	502	49
180°	495	495	495	495	495	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1330.5	1329.7	1331.4	1326.8	1327.2	1320.1	1320.1	1314.7	1307.7	1302.3	1299.8
5°	1449.7	1450.8	1448.7	1440.9	1435.7	1427.9	1419.1	1403.5	1390.5	1378.1	1368.2
7.5°	1572.5	1573.2	1566.4	1564.0	1550.9	1541.3	1521.7	1500.5	1481.7	1457.8	1439.6
10°	1643.9	1643.4	1636.2	1630.4	1619.0	1604.5	1585.3	1560.3	1537.0	1511.0	1486.1
12.5°	1685.5	1684.1	1681.8	1674.9	1664.3	1651.4	1635.1	1610.6	1581.8	1553.4	1524.3
15°	1741.6	1737.9	1731.2	1722.3	1707.3	1692.2	1674.1	1652.3	1624.7	1592.5	1565.5
17.5°	1810.9	1811.0	1800.7	1788.4	1767.9	1741.4	1713.3	1678.1	1640.7	1605.3	1576.5
20°	1868.3	1866.7	1856.3	1832.4	1809.1	1775.8	1743.6	1700.5	1654.8	1608.6	1572.8
22.5°	1950.5	1946.5	1935.7	1904.3	1868.1	1825.3	1776.0	1723.4	1668.1	1615.7	1568.7
25°	2085.3	2082.2	2060.9	2024.6	1973.7	1907.7	1843.3	1771.2	1691.7	1622.7	1565.5
27.5°	2177.5	2174.1	2158.3	2128.1	2081.2	2011.8	1924.6	1828.2	1729.0	1634.0	1551.6
30°	2168.4	2176.2	2174.1	2160.1	2124.8	2062.5	1982.0	1873.5	1755.6	1643.9	1545.8
32.5°	2037.9	2044.9	2063.2	2090.7	2092.8	2067.9	2007.7	1907.5	1785.5	1658.5	1541.2
35°	1730.1	1739.5	1774.8	1830.4	1903.0	1963.8	1976.3	1922.3	1812.7	1676.1	1534.4
37.5°	1330.1	1381.2	1410.9	1469.4	1579.2	1691.0	1798.5	1838.0	1791.4	1668.9	1523.3
40°	1129.9	1142.3	1195.3	1261.3	1353.7	1470.0	1623.2	1733.8	1737.4	1652.3	1505.8
42.5°	967.0	982.8	1019.2	1071.8	1151.0	1267.3	1425.4	1571.4	1639.0	1606.6	1483.0
45°	773.7	785.6	812.1	852.6	913.4	1009.4	1145.5	1314.2	1448.2	1500.6	1421.7
47.5°	635.6	642.0	665.1	695.9	740.9	810.9	916.2	1062.7	1223.4	1336.0	1324.9
50°	560.8	568.1	585.7	609.1	647.0	706.2	790.3	912.3	1078.0	1215.6	1243.1
52.5°	502.6	508.7	519.7	541.8	573.0	618.5	686.4	796.8	945.9	1092.2	1155.8
55°	424.7	428.9	437.7	450.2	475.1	507.8	566.5	642.8	763.3	910.8	1004.2
57.5°	360.6	362.6	368.3	379.8	397.0	420.9	463.3	528.0	614.4	747.2	850.3
60°	319.9	321.9	329.2	337.0	350.5	372.3	405.5	450.7	533.8	643.3	747.7
62.5°	287.5	288.7	291.8	299.6	311.4	328.3	354.4	391.3	457.4	553.6	652.2
65°	240.9	241.5	242.5	248.7	256.0	268.5	285.6	311.5	361.4	434.1	521.3
67.5°	196.3	197.0	200.6	202.8	210.4	216.9	227.0	246.9	282.0	331.0	398.8
70°	171.4	170.8	174.5	177.1	179.7	187.4	194.2	210.3	232.1	269.5	326.1
72.5°	148.1	146.7	148.3	149.2	152.7	158.0	164.7	174.6	191.4	217.1	260.5
75°	112.2	112.7	112.7	113.7	116.3	118.4	120.5	125.7	135.0	152.1	175.5
77.5°	78.7	77.9	80.1	80.4	81.9	84.2	86.0	88.1	91.9	99.0	111.0
80°	57.1	57.1	57.6	59.2	58.7	59.7	62.3	64.4	69.1	73.2	77.4
82.5°	43.8	43.4	43.9	44.2	44.1	45.2	46.1	46.5	48.3	50.4	53.3
85°	23.9	23.9	24.4	24.4	24.9	24.9	25.4	25.4	25.4	26.0	26.5
87.5°	13.7	13.3	12.7	12.7	13.1	13.5	12.9	12.3	12.1	11.9	11.9
90°	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0	17.0	16.0	14.0
92.5°	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9	260.5	321.8	327.0
95°	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8	865.5	884.5	721.8
97.5°	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0	1095.1	944.6	644.5
100°	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9	1151.0	901.4	575.0
102.5°	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4	1117.5	825.6	522.3
105°	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8	1010.3	723.7	471.2
107.5°	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2	900.8	653.7	449.6
110°	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2	838.5	620.9	443.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7	792.2	601.8	443.2
115°	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4	741.7	581.0	446.2
117.5°	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3	711.6	570.8	452.8
120°	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6	694.8	566.0	459.2
122.5°	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0	680.4	562.0	464.8
125°	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7	660.9	557.0	474.2
127.5°	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7	642.9	554.6	484.8
130°	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8	630.9	553.0	491.2
132.5°	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8	621.3	553.0	498.3
135°	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8	609.9	553.0	508.1
137.5°	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9	599.8	554.2	517.1
140°	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9	595.0	555.0	521.1
142.5°	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5	591.0	555.8	523.5
145°	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9	585.0	555.0	526.1
147.5°	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2	578.8	552.4	527.1
150°	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0	574.0	550.0	527.1
152.5°	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0	568.4	546.9	526.3
155°	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0	559.0	541.1	524.1
157.5°	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0	550.2	535.1	521.5
160°	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0	543.1	531.1	519.1
162.5°	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3	536.7	526.3	516.7
165°	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1	527.1	519.1	513.1
167.5°	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5	517.7	512.1	507.5
170°	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1	512.1	508.1	505.1
172.5°	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9	506.5	503.3	501.9
175°	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1	499.1	498.1	498.1
177.5°	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7	495.9	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1299.8	1296.9	1291.5	1286.5	1280.3	1274.9	1271.1	1266.6	1260.7	1253.7	1247.9
5°	1357.3	1345.9	1330.8	1317.9	1301.2	1288.3	1274.8	1261.8	1248.8	1232.2	1217.6
7.5°	1421.1	1397.5	1374.6	1345.7	1319.5	1296.1	1273.7	1251.0	1228.8	1205.2	1182.4
10°	1460.1	1431.6	1399.9	1363.5	1330.3	1298.6	1269.6	1241.0	1210.9	1184.4	1155.8
12.5°	1496.7	1459.8	1423.6	1377.7	1337.8	1299.1	1262.1	1226.5	1194.3	1159.9	1129.3
15°	1529.7	1493.4	1452.9	1396.8	1341.2	1294.5	1250.9	1204.7	1164.7	1126.3	1092.0
17.5°	1542.5	1504.4	1457.3	1403.4	1342.7	1283.9	1227.7	1177.0	1130.0	1085.2	1046.7
20°	1537.5	1500.6	1452.3	1400.9	1336.0	1274.8	1214.0	1157.9	1105.5	1058.2	1017.2
22.5°	1525.4	1487.3	1440.7	1386.4	1324.8	1259.8	1194.9	1135.1	1080.1	1031.2	986.5
25°	1507.4	1455.5	1407.7	1354.7	1296.0	1231.7	1164.7	1098.7	1040.1	990.2	941.4
27.5°	1488.6	1423.8	1363.0	1310.4	1248.4	1190.9	1126.4	1058.7	997.1	946.3	896.2
30°	1471.6	1398.9	1331.9	1272.2	1213.5	1159.0	1097.7	1031.7	968.4	916.0	865.1
32.5°	1450.4	1373.1	1299.5	1230.6	1174.0	1119.9	1064.5	1001.4	939.7	885.6	833.9
35°	1423.8	1325.1	1245.2	1171.9	1109.1	1056.7	1006.8	955.9	894.1	838.1	787.7
37.5°	1388.9	1276.9	1184.4	1104.7	1038.4	985.7	946.4	899.9	843.5	789.8	743.0
40°	1367.7	1242.0	1140.8	1061.9	992.3	936.7	899.9	860.4	809.0	758.6	711.9
42.5°	1339.5	1210.1	1096.8	1014.5	944.5	891.0	853.7	819.3	776.2	728.7	678.7
45°	1284.1	1148.1	1029.2	940.9	870.3	817.8	783.0	752.4	719.7	676.1	632.4
47.5°	1212.0	1083.4	958.9	862.6	793.4	744.7	711.0	686.8	663.4	626.3	583.9
50°	1154.3	1030.2	908.7	815.2	741.5	695.3	663.6	644.4	623.1	589.3	554.0
52.5°	1086.2	975.4	856.3	760.8	691.2	647.9	617.5	598.3	580.7	553.2	519.6
55°	978.8	881.7	772.6	685.9	622.1	578.4	549.4	531.2	520.8	497.4	471.0
57.5°	854.9	785.3	689.1	605.5	549.1	506.0	484.7	469.2	457.5	440.9	422.3
60°	768.5	719.7	633.5	554.0	502.1	461.1	441.9	428.9	418.0	404.0	389.4
62.5°	680.8	645.3	570.3	502.1	454.3	420.0	402.0	390.3	377.7	368.3	354.1
65°	563.4	531.7	479.8	426.3	382.2	354.6	341.7	331.3	323.5	313.1	303.2
67.5°	438.2	425.4	389.5	352.7	321.0	296.5	285.3	278.0	268.7	262.4	255.7
70°	361.4	355.2	329.7	305.3	275.7	259.1	248.7	245.6	234.2	228.0	223.3
72.5°	293.3	290.4	275.7	258.8	237.9	223.4	213.8	210.3	203.0	198.0	195.0
75°	200.9	202.0	199.4	188.5	180.7	171.4	163.0	161.0	155.8	151.6	149.0
77.5°	127.1	132.4	132.6	132.1	129.0	123.3	119.8	118.3	113.2	111.6	111.0
80°	87.2	92.9	98.1	97.6	96.6	95.0	92.4	90.9	88.3	86.7	85.7
82.5°	58.2	63.5	67.8	70.6	70.4	68.9	67.1	66.4	65.8	64.7	64.5
85°	27.5	28.6	30.1	33.8	36.3	36.9	36.3	35.8	34.3	34.8	35.3
87.5°	12.1	11.8	12.0	11.6	10.8	12.4	13.3	13.5	12.9	12.4	12.0
90°	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0	2.0	4.0	6.0
92.5°	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2	14.8	23.2	35.5
95°	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9	33.9	41.9	52.9
97.5°	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7	55.9	61.5	72.5
100°	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9	71.9	75.9	86.8
102.5°	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7	87.8	91.0	102.8
105°	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8	112.8	117.8	127.8
107.5°	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4	140.4	145.1	153.3
110°	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7	158.7	162.7	171.7



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1	177.1	180.3	189.3
115°	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7	203.6	206.6	215.6
117.5°	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6	228.6	231.8	240.8
120°	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6	244.6	248.6	257.6
122.5°	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4	260.5	263.7	272.7
125°	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5	281.5	286.5	295.5
127.5°	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1	299.1	305.5	316.9
130°	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5	309.5	317.5	330.4
132.5°	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5	318.2	327.8	342.4
135°	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4	331.4	343.4	359.4
137.5°	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8	346.8	358.0	374.0
140°	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4	356.4	368.4	384.3
142.5°	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6	366.8	377.9	393.9
145°	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3	383.3	393.3	407.3
147.5°	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9	400.1	408.7	421.7
150°	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3	411.3	418.3	431.3
152.5°	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5	421.7	427.9	439.2
155°	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2	435.2	441.2	451.2
157.5°	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4	448.2	453.0	461.6
160°	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2	456.2	460.2	467.2
162.5°	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4	463.4	467.4	473.6
165°	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2	473.2	476.2	481.2
167.5°	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4	481.4	483.2	486.0
170°	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2	486.2	487.2	489.2
172.5°	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4	488.6	489.6	491.5
175°	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1	492.1	493.1	494.1
177.5°	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9	494.3	494.3	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1243.7	1237.9	1233.7	1225.4	1219.6	1217.1	1212.6	1211.3	1215.9	1212.6	1212.1
5°	1206.7	1191.7	1179.7	1167.8	1154.8	1146.5	1134.0	1132.0	1128.8	1124.2	1123.1
7.5°	1162.4	1142.8	1127.4	1107.7	1090.5	1076.7	1061.1	1053.8	1049.7	1043.7	1035.6
10°	1132.5	1109.1	1088.3	1068.6	1047.3	1030.2	1014.6	1002.7	994.9	987.6	984.5
12.5°	1103.0	1079.2	1052.6	1028.7	1005.0	985.7	968.5	960.7	952.1	943.6	936.3
15°	1057.2	1025.5	996.4	968.9	948.7	927.9	911.3	899.9	886.9	883.2	869.2
17.5°	1008.6	977.5	943.5	914.5	891.0	868.2	849.9	836.9	827.2	813.8	807.3
20°	978.3	941.4	908.2	881.7	855.7	828.7	810.0	799.1	789.8	778.9	773.7
22.5°	945.9	909.8	875.8	844.7	818.3	791.8	778.5	767.1	756.5	746.5	739.6
25°	898.3	862.0	826.1	793.9	766.4	747.2	731.6	718.6	712.9	703.1	695.8
27.5°	851.3	812.6	775.4	743.4	721.8	702.8	690.0	679.7	669.4	660.8	654.5
30°	820.9	781.5	741.0	715.5	692.7	674.5	660.5	650.6	642.8	635.0	630.4
32.5°	790.6	749.9	714.0	686.4	664.8	649.2	634.7	625.3	617.1	608.5	603.0
35°	742.0	700.5	671.4	644.4	623.1	608.6	598.7	585.2	578.4	572.2	566.5
37.5°	696.8	658.2	626.7	603.1	584.6	570.1	557.4	550.1	541.8	536.2	531.4
40°	663.6	628.3	599.7	574.8	561.3	545.2	533.3	523.9	517.7	510.4	505.2
42.5°	633.7	600.9	573.1	550.7	533.9	520.3	508.8	499.4	491.5	486.3	482.0
45°	591.4	558.7	531.7	510.9	495.4	482.4	470.4	465.8	455.4	449.2	447.1
47.5°	547.7	518.4	492.4	473.2	457.3	445.0	433.8	424.2	418.5	412.4	409.1
50°	518.2	490.2	465.8	447.1	431.5	418.0	407.6	401.4	393.6	387.9	383.7
52.5°	488.7	462.8	438.4	420.5	407.0	393.5	381.9	375.6	368.3	364.6	361.7
55°	446.6	419.0	398.3	380.6	366.6	354.1	343.2	337.0	332.3	328.7	327.6
57.5°	398.8	377.0	357.7	341.8	327.2	315.5	305.9	300.0	295.9	295.3	292.2
60°	367.6	347.9	330.2	313.1	300.6	289.7	281.4	274.7	270.5	270.0	269.0
62.5°	336.5	317.6	301.2	286.1	274.9	264.4	256.5	248.9	246.4	243.8	241.6
65°	290.3	273.1	259.6	247.7	235.7	226.9	219.1	214.4	208.7	205.6	199.9
67.5°	244.9	231.6	218.6	208.5	199.2	190.8	184.3	177.4	173.5	171.0	166.9
70°	215.0	204.6	191.6	180.7	173.4	166.7	161.5	153.7	151.1	149.0	146.9
72.5°	186.7	177.6	166.7	157.9	150.6	144.2	138.2	134.6	132.0	129.9	128.7
75°	146.9	138.1	128.8	122.5	117.4	112.2	109.0	106.4	105.4	104.9	102.8
77.5°	107.9	103.2	95.7	90.8	87.3	85.3	82.5	81.1	81.0	78.7	78.0
80°	82.6	80.0	73.7	71.7	69.1	67.0	65.4	62.8	60.2	59.2	57.6
82.5°	61.4	58.8	56.3	53.0	50.8	49.5	48.0	47.0	47.4	45.9	45.2
85°	32.7	30.1	29.1	28.6	27.5	28.6	28.0	27.5	27.0	26.5	27.0
87.5°	12.0	12.4	12.2	13.4	12.3	13.2	13.4	13.1	13.3	13.5	13.5
90°	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0	19.0	20.0	22.0
92.5°	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9	128.4	96.6	81.9
95°	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8	566.0	443.2	359.4
97.5°	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0	962.5	842.9	726.3
100°	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9	1179.0	1076.1	972.3
102.5°	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4	1311.5	1262.2	1191.9
105°	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8	1386.6	1430.5	1419.5
107.5°	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2	1319.7	1432.5	1484.6
110°	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2	1243.8	1384.6	1469.5



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7	1168.8	1311.1	1411.2
115°	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4	1061.2	1197.9	1306.7
117.5°	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3	986.7	1104.5	1204.3
120°	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6	944.4	1054.2	1142.0
122.5°	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0	914.0	1011.8	1094.1
125°	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7	873.5	960.3	1032.2
127.5°	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7	834.8	915.8	983.1
130°	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8	807.6	885.5	950.4
132.5°	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8	782.0	852.7	915.2
135°	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8	742.7	806.6	863.5
137.5°	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9	707.6	760.7	809.0
140°	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9	686.8	732.7	774.7
142.5°	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5	669.2	708.8	745.1
145°	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9	646.9	677.8	704.8
147.5°	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2	628.3	652.1	672.4
150°	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0	617.9	636.9	654.9
152.5°	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0	607.5	624.9	638.9
155°	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0	592.0	606.0	616.9
157.5°	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0	577.2	588.0	596.6
160°	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0	566.0	576.0	583.0
162.5°	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3	556.4	564.8	571.0
165°	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1	542.1	548.1	553.0
167.5°	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5	528.1	532.7	536.3
170°	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1	520.1	523.1	525.1
172.5°	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9	512.9	515.1	516.3
175°	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1	502.1	504.1	504.1
177.5°	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7	497.5	497.5	497.5
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1211.7	1207.2	1205.9	1207.6	1205.9	1207.2	1211.7	1212.1	1212.6	1215.9	1211.3
5°	1117.9	1112.8	1115.3	1114.3	1115.3	1112.8	1117.9	1123.1	1124.2	1128.8	1132.0
7.5°	1035.5	1029.0	1022.2	1024.4	1022.2	1029.0	1035.5	1035.6	1043.7	1049.7	1053.8
10°	977.7	972.6	969.4	972.0	969.4	972.6	977.7	984.5	987.6	994.9	1002.7
12.5°	929.1	926.0	923.3	922.2	923.3	926.0	929.1	936.3	943.6	952.1	960.7
15°	863.0	856.8	854.2	847.4	854.2	856.8	863.0	869.2	883.2	886.9	899.9
17.5°	802.0	800.0	793.2	790.3	793.2	800.0	802.0	807.3	813.8	827.2	836.9
20°	765.9	763.8	757.1	761.2	757.1	763.8	765.9	773.7	778.9	789.8	799.1
22.5°	736.0	731.4	729.2	728.0	729.2	731.4	736.0	739.6	746.5	756.5	767.1
25°	693.7	687.0	684.4	681.3	684.4	687.0	693.7	695.8	703.1	712.9	718.6
27.5°	651.6	647.9	644.5	643.7	644.5	647.9	651.6	654.5	660.8	669.4	679.7
30°	624.1	620.5	617.9	617.9	617.9	620.5	624.1	630.4	635.0	642.8	650.6
32.5°	599.6	596.8	594.2	593.8	594.2	596.8	599.6	603.0	608.5	617.1	625.3
35°	563.9	559.8	558.7	555.6	558.7	559.8	563.9	566.5	572.2	578.4	585.2
37.5°	526.8	523.4	523.3	523.0	523.3	523.4	526.8	531.4	536.2	541.8	550.1
40°	503.2	500.6	500.0	496.4	500.0	500.6	503.2	505.2	510.4	517.7	523.9
42.5°	477.8	476.5	474.7	473.1	474.7	476.5	477.8	482.0	486.3	491.5	499.4
45°	443.4	439.8	439.8	437.2	439.8	439.8	443.4	447.1	449.2	455.4	465.8
47.5°	407.9	405.1	405.4	402.7	405.4	405.1	407.9	409.1	412.4	418.5	424.2
50°	384.2	382.7	382.2	381.1	382.2	382.7	384.2	383.7	387.9	393.6	401.4
52.5°	360.6	359.8	361.8	359.5	361.8	359.8	360.6	361.7	364.6	368.3	375.6
55°	328.7	327.1	330.2	327.1	330.2	327.1	328.7	327.6	328.7	332.3	337.0
57.5°	292.0	290.6	293.4	291.8	293.4	290.6	292.0	292.2	295.3	295.9	300.0
60°	267.9	264.8	266.4	266.9	266.4	264.8	267.9	269.0	270.0	270.5	274.7
62.5°	239.3	237.4	238.5	236.2	238.5	237.4	239.3	241.6	243.8	246.4	248.9
65°	198.9	197.3	195.2	194.2	195.2	197.3	198.9	199.9	205.6	208.7	214.4
67.5°	167.1	163.4	163.3	164.1	163.3	163.4	167.1	166.9	171.0	173.5	177.4
70°	143.8	143.8	143.3	143.3	143.3	143.8	143.8	146.9	149.0	151.1	153.7
72.5°	127.6	127.2	126.3	125.9	126.3	127.2	127.6	128.7	129.9	132.0	134.6
75°	102.8	103.3	102.3	101.8	102.3	103.3	102.8	102.8	104.9	105.4	106.4
77.5°	75.9	73.7	74.9	73.7	74.9	73.7	75.9	78.0	78.7	81.0	81.1
80°	57.6	57.1	58.7	57.1	58.7	57.1	57.6	57.6	59.2	60.2	62.8
82.5°	45.6	45.1	45.8	44.7	45.8	45.1	45.6	45.2	45.9	47.4	47.0
85°	27.5	27.0	26.5	27.0	26.5	27.0	27.5	27.0	26.5	27.0	27.5
87.5°	13.9	13.5	13.7	13.7	13.7	13.5	13.9	13.5	13.5	13.3	13.1
90°	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0
92.5°	69.1	66.7	65.3	63.7	65.3	66.7	69.1	81.9	96.6	128.4	176.9
95°	288.5	258.6	250.6	234.6	250.6	258.6	288.5	359.4	443.2	566.0	717.8
97.5°	664.7	608.7	579.8	567.0	579.8	608.7	664.7	726.3	842.9	962.5	1069.0
100°	903.4	831.6	794.6	778.7	794.6	831.6	903.4	972.3	1076.1	1179.0	1227.9
102.5°	1118.3	1067.2	1027.0	1015.0	1027.0	1067.2	1118.3	1191.9	1262.2	1311.5	1281.4
105°	1387.6	1354.7	1334.7	1322.7	1334.7	1354.7	1387.6	1419.5	1430.5	1386.6	1249.8
107.5°	1500.8	1500.6	1494.0	1486.0	1494.0	1500.6	1500.8	1484.6	1432.5	1319.7	1137.2
110°	1514.4	1533.3	1540.3	1540.3	1540.3	1533.3	1514.4	1469.5	1384.6	1243.8	1054.2



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1476.8	1509.4	1526.8	1533.9	1526.8	1509.4	1476.8	1411.2	1311.1	1168.8	988.7
115°	1384.6	1432.5	1460.5	1473.5	1460.5	1432.5	1384.6	1306.7	1197.9	1061.2	906.4
117.5°	1282.2	1331.7	1359.4	1367.4	1359.4	1331.7	1282.2	1204.3	1104.5	986.7	853.3
120°	1215.9	1263.8	1290.8	1298.8	1290.8	1263.8	1215.9	1142.0	1054.2	944.4	824.6
122.5°	1160.0	1203.9	1230.9	1238.1	1230.9	1203.9	1160.0	1094.1	1011.8	914.0	803.0
125°	1088.1	1129.0	1151.0	1161.0	1151.0	1129.0	1088.1	1032.2	960.3	873.5	771.7
127.5°	1033.8	1069.9	1090.7	1095.1	1090.7	1069.9	1033.8	983.1	915.8	834.8	739.7
130°	1000.3	1033.2	1053.2	1059.2	1053.2	1033.2	1000.3	950.4	885.5	807.6	719.8
132.5°	965.1	998.1	1016.4	1023.2	1016.4	998.1	965.1	915.2	852.7	782.0	699.8
135°	907.4	940.4	958.3	964.3	958.3	940.4	907.4	863.5	806.6	742.7	673.8
137.5°	848.3	878.3	894.9	901.4	894.9	878.3	848.3	809.0	760.7	707.6	651.9
140°	811.6	837.6	852.5	857.5	852.5	837.6	811.6	774.7	732.7	686.8	639.9
142.5°	776.5	798.4	812.6	816.8	812.6	798.4	776.5	745.1	708.8	669.2	629.5
145°	728.7	745.7	756.7	760.7	756.7	745.7	728.7	704.8	677.8	646.9	615.9
147.5°	691.4	705.0	711.4	713.2	711.4	705.0	691.4	672.4	652.1	628.3	603.2
150°	669.8	681.8	685.8	686.8	685.8	681.8	669.8	654.9	636.9	617.9	596.0
152.5°	651.5	661.1	665.0	666.0	665.0	661.1	651.5	638.9	624.9	607.5	588.0
155°	626.9	633.9	636.9	637.9	636.9	633.9	626.9	616.9	606.0	592.0	576.0
157.5°	604.4	610.1	612.9	612.7	612.9	610.1	604.4	596.6	588.0	577.2	564.0
160°	590.0	595.0	597.0	596.0	597.0	595.0	590.0	583.0	576.0	566.0	556.0
162.5°	576.4	580.6	581.0	580.8	581.0	580.6	576.4	571.0	564.8	556.4	547.3
165°	557.0	559.0	559.0	559.0	559.0	559.0	557.0	553.0	548.1	542.1	535.1
167.5°	538.3	540.1	539.3	539.1	539.3	540.1	538.3	536.3	532.7	528.1	523.5
170°	527.1	528.1	528.1	527.1	528.1	528.1	527.1	525.1	523.1	520.1	517.1
172.5°	516.7	518.5	516.9	515.9	516.9	518.5	516.7	516.3	515.1	512.9	509.9
175°	504.1	505.1	503.1	502.1	503.1	505.1	504.1	504.1	504.1	502.1	502.1
177.5°	496.7	497.5	495.1	495.1	495.1	497.5	496.7	497.5	497.5	497.5	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1212.6	1217.1	1219.6	1225.4	1233.7	1237.9	1243.7	1247.9	1253.7	1260.7	1266.6
5°	1134.0	1146.5	1154.8	1167.8	1179.7	1191.7	1206.7	1217.6	1232.2	1248.8	1261.8
7.5°	1061.1	1076.7	1090.5	1107.7	1127.4	1142.8	1162.4	1182.4	1205.2	1228.8	1251.0
10°	1014.6	1030.2	1047.3	1068.6	1088.3	1109.1	1132.5	1155.8	1184.4	1210.9	1241.0
12.5°	968.5	985.7	1005.0	1028.7	1052.6	1079.2	1103.0	1129.3	1159.9	1194.3	1226.5
15°	911.3	927.9	948.7	968.9	996.4	1025.5	1057.2	1092.0	1126.3	1164.7	1204.7
17.5°	849.9	868.2	891.0	914.5	943.5	977.5	1008.6	1046.7	1085.2	1130.0	1177.0
20°	810.0	828.7	855.7	881.7	908.2	941.4	978.3	1017.2	1058.2	1105.5	1157.9
22.5°	778.5	791.8	818.3	844.7	875.8	909.8	945.9	986.5	1031.2	1080.1	1135.1
25°	731.6	747.2	766.4	793.9	826.1	862.0	898.3	941.4	990.2	1040.1	1098.7
27.5°	690.0	702.8	721.8	743.4	775.4	812.6	851.3	896.2	946.3	997.1	1058.7
30°	660.5	674.5	692.7	715.5	741.0	781.5	820.9	865.1	916.0	968.4	1031.7
32.5°	634.7	649.2	664.8	686.4	714.0	749.9	790.6	833.9	885.6	939.7	1001.4
35°	598.7	608.6	623.1	644.4	671.4	700.5	742.0	787.7	838.1	894.1	955.9
37.5°	557.4	570.1	584.6	603.1	626.7	658.2	696.8	743.0	789.8	843.5	899.9
40°	533.3	545.2	561.3	574.8	599.7	628.3	663.6	711.9	758.6	809.0	860.4
42.5°	508.8	520.3	533.9	550.7	573.1	600.9	633.7	678.7	728.7	776.2	819.3
45°	470.4	482.4	495.4	510.9	531.7	558.7	591.4	632.4	676.1	719.7	752.4
47.5°	433.8	445.0	457.3	473.2	492.4	518.4	547.7	583.9	626.3	663.4	686.8
50°	407.6	418.0	431.5	447.1	465.8	490.2	518.2	554.0	589.3	623.1	644.4
52.5°	381.9	393.5	407.0	420.5	438.4	462.8	488.7	519.6	553.2	580.7	598.3
55°	343.2	354.1	366.6	380.6	398.3	419.0	446.6	471.0	497.4	520.8	531.2
57.5°	305.9	315.5	327.2	341.8	357.7	377.0	398.8	422.3	440.9	457.5	469.2
60°	281.4	289.7	300.6	313.1	330.2	347.9	367.6	389.4	404.0	418.0	428.9
62.5°	256.5	264.4	274.9	286.1	301.2	317.6	336.5	354.1	368.3	377.7	390.3
65°	219.1	226.9	235.7	247.7	259.6	273.1	290.3	303.2	313.1	323.5	331.3
67.5°	184.3	190.8	199.2	208.5	218.6	231.6	244.9	255.7	262.4	268.7	278.0
70°	161.5	166.7	173.4	180.7	191.6	204.6	215.0	223.3	228.0	234.2	245.6
72.5°	138.2	144.2	150.6	157.9	166.7	177.6	186.7	195.0	198.0	203.0	210.3
75°	109.0	112.2	117.4	122.5	128.8	138.1	146.9	149.0	151.6	155.8	161.0
77.5°	82.5	85.3	87.3	90.8	95.7	103.2	107.9	111.0	111.6	113.2	118.3
80°	65.4	67.0	69.1	71.7	73.7	80.0	82.6	85.7	86.7	88.3	90.9
82.5°	48.0	49.5	50.8	53.0	56.3	58.8	61.4	64.5	64.7	65.8	66.4
85°	28.0	28.6	27.5	28.6	29.1	30.1	32.7	35.3	34.8	34.3	35.8
87.5°	13.4	13.2	12.3	13.4	12.2	12.4	12.0	12.0	12.4	12.9	13.5
90°	17.0	16.0	14.0	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0
92.5°	260.5	321.8	327.0	227.8	136.4	81.9	52.7	35.5	23.2	14.8	12.2
95°	865.5	884.5	721.8	446.2	226.6	119.8	74.9	52.9	41.9	33.9	32.9
97.5°	1095.1	944.6	644.5	356.2	195.3	124.6	92.2	72.5	61.5	55.9	54.7
100°	1151.0	901.4	575.0	323.4	193.7	135.8	105.8	86.8	75.9	71.9	69.9
102.5°	1117.5	825.6	522.3	309.9	200.9	149.3	120.2	102.8	91.0	87.8	86.7
105°	1010.3	723.7	471.2	304.5	215.6	171.7	143.8	127.8	117.8	112.8	112.8
107.5°	900.8	653.7	449.6	313.7	237.6	195.1	169.9	153.3	145.1	140.4	138.4
110°	838.5	620.9	443.2	322.4	253.6	212.6	186.7	171.7	162.7	158.7	156.7



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	792.2	601.8	443.2	333.6	268.7	229.4	204.2	189.3	180.3	177.1	175.1
115°	741.7	581.0	446.2	350.4	292.5	255.6	230.6	215.6	206.6	203.6	201.7
117.5°	711.6	570.8	452.8	369.6	316.9	281.9	257.8	240.8	231.8	228.6	225.6
120°	694.8	566.0	459.2	382.3	334.4	299.5	274.5	257.6	248.6	244.6	241.6
122.5°	680.4	562.0	464.8	396.7	351.2	316.3	291.3	272.7	263.7	260.5	258.4
125°	660.9	557.0	474.2	416.3	373.4	340.4	314.5	295.5	286.5	281.5	279.5
127.5°	642.9	554.6	484.8	434.2	394.7	363.0	337.0	316.9	305.5	299.1	296.1
130°	630.9	553.0	491.2	446.2	408.3	377.3	351.4	330.4	317.5	309.5	306.5
132.5°	621.3	553.0	498.3	456.6	421.1	390.1	364.2	342.4	327.8	318.2	314.5
135°	609.9	553.0	508.1	471.2	438.2	407.3	380.3	359.4	343.4	331.4	327.4
137.5°	599.8	554.2	517.1	482.0	450.4	422.3	394.5	374.0	358.0	346.8	343.8
140°	595.0	555.0	521.1	489.2	459.2	430.3	403.3	384.3	368.4	356.4	353.4
142.5°	591.0	555.8	523.5	493.1	464.8	437.4	412.1	393.9	377.9	366.8	364.6
145°	585.0	555.0	526.1	499.1	474.2	448.2	425.3	407.3	393.3	383.3	381.3
147.5°	578.8	552.4	527.1	502.7	480.2	457.4	437.2	421.7	408.7	400.1	398.9
150°	574.0	550.0	527.1	505.1	484.2	462.2	445.2	431.3	418.3	411.3	409.3
152.5°	568.4	546.9	526.3	506.7	488.2	467.8	452.4	439.2	427.9	421.7	420.5
155°	559.0	541.1	524.1	508.1	492.1	475.2	461.2	451.2	441.2	435.2	435.2
157.5°	550.2	535.1	521.5	509.1	495.5	481.0	470.4	461.6	453.0	448.2	448.4
160°	543.1	531.1	519.1	509.1	497.1	484.2	475.2	467.2	460.2	456.2	457.2
162.5°	536.7	526.3	516.7	508.3	498.7	487.4	480.0	473.6	467.4	463.4	464.4
165°	527.1	519.1	513.1	507.1	499.1	491.2	485.2	481.2	476.2	473.2	475.2
167.5°	517.7	512.1	507.5	504.7	499.1	492.5	488.8	486.0	483.2	481.4	482.4
170°	512.1	508.1	505.1	503.1	499.1	494.1	491.2	489.2	487.2	486.2	487.2
172.5°	506.5	503.3	501.9	501.5	498.3	494.1	492.7	491.5	489.6	488.6	490.4
175°	499.1	498.1	498.1	499.1	497.1	494.1	494.1	494.1	493.1	492.1	494.1
177.5°	495.9	495.1	495.1	496.7	495.9	494.3	494.3	495.1	494.3	494.3	495.9
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



TEST NUMBER: P333570

CATALOG NUMBER: S125RDIP-S850D1035U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1271.1	1274.9	1280.3	1286.5	1291.5	1296.9	1299.8	1299.8	1302.3	1307.7	1314.7
5°	1274.8	1288.3	1301.2	1317.9	1330.8	1345.9	1357.3	1368.2	1378.1	1390.5	1403.5
7.5°	1273.7	1296.1	1319.5	1345.7	1374.6	1397.5	1421.1	1439.6	1457.8	1481.7	1500.5
10°	1269.6	1298.6	1330.3	1363.5	1399.9	1431.6	1460.1	1486.1	1511.0	1537.0	1560.3
12.5°	1262.1	1299.1	1337.8	1377.7	1423.6	1459.8	1496.7	1524.3	1553.4	1581.8	1610.6
15°	1250.9	1294.5	1341.2	1396.8	1452.9	1493.4	1529.7	1565.5	1592.5	1624.7	1652.3
17.5°	1227.7	1283.9	1342.7	1403.4	1457.3	1504.4	1542.5	1576.5	1605.3	1640.7	1678.1
20°	1214.0	1274.8	1336.0	1400.9	1452.3	1500.6	1537.5	1572.8	1608.6	1654.8	1700.5
22.5°	1194.9	1259.8	1324.8	1386.4	1440.7	1487.3	1525.4	1568.7	1615.7	1668.1	1723.4
25°	1164.7	1231.7	1296.0	1354.7	1407.7	1455.5	1507.4	1565.5	1622.7	1691.7	1771.2
27.5°	1126.4	1190.9	1248.4	1310.4	1363.0	1423.8	1488.6	1551.6	1634.0	1729.0	1828.2
30°	1097.7	1159.0	1213.5	1272.2	1331.9	1398.9	1471.6	1545.8	1643.9	1755.6	1873.5
32.5°	1064.5	1119.9	1174.0	1230.6	1299.5	1373.1	1450.4	1541.2	1658.5	1785.5	1907.5
35°	1006.8	1056.7	1109.1	1171.9	1245.2	1325.1	1423.8	1534.4	1676.1	1812.7	1922.3
37.5°	946.4	985.7	1038.4	1104.7	1184.4	1276.9	1388.9	1523.3	1668.9	1791.4	1838.0
40°	899.9	936.7	992.3	1061.9	1140.8	1242.0	1367.7	1505.8	1652.3	1737.4	1733.8
42.5°	853.7	891.0	944.5	1014.5	1096.8	1210.1	1339.5	1483.0	1606.6	1639.0	1571.4
45°	783.0	817.8	870.3	940.9	1029.2	1148.1	1284.1	1421.7	1500.6	1448.2	1314.2
47.5°	711.0	744.7	793.4	862.6	958.9	1083.4	1212.0	1324.9	1336.0	1223.4	1062.7
50°	663.6	695.3	741.5	815.2	908.7	1030.2	1154.3	1243.1	1215.6	1078.0	912.3
52.5°	617.5	647.9	691.2	760.8	856.3	975.4	1086.2	1155.8	1092.2	945.9	796.8
55°	549.4	578.4	622.1	685.9	772.6	881.7	978.8	1004.2	910.8	763.3	642.8
57.5°	484.7	506.0	549.1	605.5	689.1	785.3	854.9	850.3	747.2	614.4	528.0
60°	441.9	461.1	502.1	554.0	633.5	719.7	768.5	747.7	643.3	533.8	450.7
62.5°	402.0	420.0	454.3	502.1	570.3	645.3	680.8	652.2	553.6	457.4	391.3
65°	341.7	354.6	382.2	426.3	479.8	531.7	563.4	521.3	434.1	361.4	311.5
67.5°	285.3	296.5	321.0	352.7	389.5	425.4	438.2	398.8	331.0	282.0	246.9
70°	248.7	259.1	275.7	305.3	329.7	355.2	361.4	326.1	269.5	232.1	210.3
72.5°	213.8	223.4	237.9	258.8	275.7	290.4	293.3	260.5	217.1	191.4	174.6
75°	163.0	171.4	180.7	188.5	199.4	202.0	200.9	175.5	152.1	135.0	125.7
77.5°	119.8	123.3	129.0	132.1	132.6	132.4	127.1	111.0	99.0	91.9	88.1
80°	92.4	95.0	96.6	97.6	98.1	92.9	87.2	77.4	73.2	69.1	64.4
82.5°	67.1	68.9	70.4	70.6	67.8	63.5	58.2	53.3	50.4	48.3	46.5
85°	36.3	36.9	36.3	33.8	30.1	28.6	27.5	26.5	26.0	25.4	25.4
87.5°	13.3	12.4	10.8	11.6	12.0	11.8	12.1	11.9	11.9	12.1	12.3
90°	2.0	4.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0
92.5°	14.8	23.2	35.5	52.7	81.9	136.4	227.8	327.0	321.8	260.5	176.9
95°	33.9	41.9	52.9	74.9	119.8	226.6	446.2	721.8	884.5	865.5	717.8
97.5°	55.9	61.5	72.5	92.2	124.6	195.3	356.2	644.5	944.6	1095.1	1069.0
100°	71.9	75.9	86.8	105.8	135.8	193.7	323.4	575.0	901.4	1151.0	1227.9
102.5°	87.8	91.0	102.8	120.2	149.3	200.9	309.9	522.3	825.6	1117.5	1281.4
105°	112.8	117.8	127.8	143.8	171.7	215.6	304.5	471.2	723.7	1010.3	1249.8
107.5°	140.4	145.1	153.3	169.9	195.1	237.6	313.7	449.6	653.7	900.8	1137.2
110°	158.7	162.7	171.7	186.7	212.6	253.6	322.4	443.2	620.9	838.5	1054.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	177.1	180.3	189.3	204.2	229.4	268.7	333.6	443.2	601.8	792.2	988.7
115°	203.6	206.6	215.6	230.6	255.6	292.5	350.4	446.2	581.0	741.7	906.4
117.5°	228.6	231.8	240.8	257.8	281.9	316.9	369.6	452.8	570.8	711.6	853.3
120°	244.6	248.6	257.6	274.5	299.5	334.4	382.3	459.2	566.0	694.8	824.6
122.5°	260.5	263.7	272.7	291.3	316.3	351.2	396.7	464.8	562.0	680.4	803.0
125°	281.5	286.5	295.5	314.5	340.4	373.4	416.3	474.2	557.0	660.9	771.7
127.5°	299.1	305.5	316.9	337.0	363.0	394.7	434.2	484.8	554.6	642.9	739.7
130°	309.5	317.5	330.4	351.4	377.3	408.3	446.2	491.2	553.0	630.9	719.8
132.5°	318.2	327.8	342.4	364.2	390.1	421.1	456.6	498.3	553.0	621.3	699.8
135°	331.4	343.4	359.4	380.3	407.3	438.2	471.2	508.1	553.0	609.9	673.8
137.5°	346.8	358.0	374.0	394.5	422.3	450.4	482.0	517.1	554.2	599.8	651.9
140°	356.4	368.4	384.3	403.3	430.3	459.2	489.2	521.1	555.0	595.0	639.9
142.5°	366.8	377.9	393.9	412.1	437.4	464.8	493.1	523.5	555.8	591.0	629.5
145°	383.3	393.3	407.3	425.3	448.2	474.2	499.1	526.1	555.0	585.0	615.9
147.5°	400.1	408.7	421.7	437.2	457.4	480.2	502.7	527.1	552.4	578.8	603.2
150°	411.3	418.3	431.3	445.2	462.2	484.2	505.1	527.1	550.0	574.0	596.0
152.5°	421.7	427.9	439.2	452.4	467.8	488.2	506.7	526.3	546.9	568.4	588.0
155°	435.2	441.2	451.2	461.2	475.2	492.1	508.1	524.1	541.1	559.0	576.0
157.5°	448.2	453.0	461.6	470.4	481.0	495.5	509.1	521.5	535.1	550.2	564.0
160°	456.2	460.2	467.2	475.2	484.2	497.1	509.1	519.1	531.1	543.1	556.0
162.5°	463.4	467.4	473.6	480.0	487.4	498.7	508.3	516.7	526.3	536.7	547.3
165°	473.2	476.2	481.2	485.2	491.2	499.1	507.1	513.1	519.1	527.1	535.1
167.5°	481.4	483.2	486.0	488.8	492.5	499.1	504.7	507.5	512.1	517.7	523.5
170°	486.2	487.2	489.2	491.2	494.1	499.1	503.1	505.1	508.1	512.1	517.1
172.5°	488.6	489.6	491.5	492.7	494.1	498.3	501.5	501.9	503.3	506.5	509.9
175°	492.1	493.1	494.1	494.1	494.1	497.1	499.1	498.1	498.1	499.1	502.1
177.5°	494.3	494.3	495.1	494.3	494.3	495.9	496.7	495.1	495.1	495.9	496.7
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1	495.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1320.1	1320.1	1327.2	1326.8	1331.4	1329.7	1330.5
5°	1419.1	1427.9	1435.7	1440.9	1448.7	1450.8	1449.7
7.5°	1521.7	1541.3	1550.9	1564.0	1566.4	1573.2	1572.5
10°	1585.3	1604.5	1619.0	1630.4	1636.2	1643.4	1643.9
12.5°	1635.1	1651.4	1664.3	1674.9	1681.8	1684.1	1685.5
15°	1674.1	1692.2	1707.3	1722.3	1731.2	1737.9	1741.6
17.5°	1713.3	1741.4	1767.9	1788.4	1800.7	1811.0	1810.9
20°	1743.6	1775.8	1809.1	1832.4	1856.3	1866.7	1868.3
22.5°	1776.0	1825.3	1868.1	1904.3	1935.7	1946.5	1950.5
25°	1843.3	1907.7	1973.7	2024.6	2060.9	2082.2	2085.3
27.5°	1924.6	2011.8	2081.2	2128.1	2158.3	2174.1	2177.5
30°	1982.0	2062.5	2124.8	2160.1	2174.1	2176.2	2168.4
32.5°	2007.7	2067.9	2092.8	2090.7	2063.2	2044.9	2037.9
35°	1976.3	1963.8	1903.0	1830.4	1774.8	1739.5	1730.1
37.5°	1798.5	1691.0	1579.2	1469.4	1410.9	1381.2	1330.1
40°	1623.2	1470.0	1353.7	1261.3	1195.3	1142.3	1129.9
42.5°	1425.4	1267.3	1151.0	1071.8	1019.2	982.8	967.0
45°	1145.5	1009.4	913.4	852.6	812.1	785.6	773.7
47.5°	916.2	810.9	740.9	695.9	665.1	642.0	635.6
50°	790.3	706.2	647.0	609.1	585.7	568.1	560.8
52.5°	686.4	618.5	573.0	541.8	519.7	508.7	502.6
55°	566.5	507.8	475.1	450.2	437.7	428.9	424.7
57.5°	463.3	420.9	397.0	379.8	368.3	362.6	360.6
60°	405.5	372.3	350.5	337.0	329.2	321.9	319.9
62.5°	354.4	328.3	311.4	299.6	291.8	288.7	287.5
65°	285.6	268.5	256.0	248.7	242.5	241.5	240.9
67.5°	227.0	216.9	210.4	202.8	200.6	197.0	196.3
70°	194.2	187.4	179.7	177.1	174.5	170.8	171.4
72.5°	164.7	158.0	152.7	149.2	148.3	146.7	148.1
75°	120.5	118.4	116.3	113.7	112.7	112.7	112.2
77.5°	86.0	84.2	81.9	80.4	80.1	77.9	78.7
80°	62.3	59.7	58.7	59.2	57.6	57.1	57.1
82.5°	46.1	45.2	44.1	44.2	43.9	43.4	43.8
85°	25.4	24.9	24.9	24.4	24.4	23.9	23.9
87.5°	12.9	13.5	13.1	12.7	12.7	13.3	13.7
90°	19.0	20.0	22.0	22.0	22.0	23.0	23.0
92.5°	128.4	96.6	81.9	69.1	66.7	65.3	63.7
95°	566.0	443.2	359.4	288.5	258.6	250.6	234.6
97.5°	962.5	842.9	726.3	664.7	608.7	579.8	567.0
100°	1179.0	1076.1	972.3	903.4	831.6	794.6	778.7
102.5°	1311.5	1262.2	1191.9	1118.3	1067.2	1027.0	1015.0
105°	1386.6	1430.5	1419.5	1387.6	1354.7	1334.7	1322.7
107.5°	1319.7	1432.5	1484.6	1500.8	1500.6	1494.0	1486.0
110°	1243.8	1384.6	1469.5	1514.4	1533.3	1540.3	1540.3



TEST NUMBER: P333570

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1168.8	1311.1	1411.2	1476.8	1509.4	1526.8	1533.9
115°	1061.2	1197.9	1306.7	1384.6	1432.5	1460.5	1473.5
117.5°	986.7	1104.5	1204.3	1282.2	1331.7	1359.4	1367.4
120°	944.4	1054.2	1142.0	1215.9	1263.8	1290.8	1298.8
122.5°	914.0	1011.8	1094.1	1160.0	1203.9	1230.9	1238.1
125°	873.5	960.3	1032.2	1088.1	1129.0	1151.0	1161.0
127.5°	834.8	915.8	983.1	1033.8	1069.9	1090.7	1095.1
130°	807.6	885.5	950.4	1000.3	1033.2	1053.2	1059.2
132.5°	782.0	852.7	915.2	965.1	998.1	1016.4	1023.2
135°	742.7	806.6	863.5	907.4	940.4	958.3	964.3
137.5°	707.6	760.7	809.0	848.3	878.3	894.9	901.4
140°	686.8	732.7	774.7	811.6	837.6	852.5	857.5
142.5°	669.2	708.8	745.1	776.5	798.4	812.6	816.8
145°	646.9	677.8	704.8	728.7	745.7	756.7	760.7
147.5°	628.3	652.1	672.4	691.4	705.0	711.4	713.2
150°	617.9	636.9	654.9	669.8	681.8	685.8	686.8
152.5°	607.5	624.9	638.9	651.5	661.1	665.0	666.0
155°	592.0	606.0	616.9	626.9	633.9	636.9	637.9
157.5°	577.2	588.0	596.6	604.4	610.1	612.9	612.7
160°	566.0	576.0	583.0	590.0	595.0	597.0	596.0
162.5°	556.4	564.8	571.0	576.4	580.6	581.0	580.8
165°	542.1	548.1	553.0	557.0	559.0	559.0	559.0
167.5°	528.1	532.7	536.3	538.3	540.1	539.3	539.1
170°	520.1	523.1	525.1	527.1	528.1	528.1	527.1
172.5°	512.9	515.1	516.3	516.7	518.5	516.9	515.9
175°	502.1	504.1	504.1	504.1	505.1	503.1	502.1
177.5°	497.5	497.5	497.5	496.7	497.5	495.1	495.1
180°	495.1	495.1	495.1	495.1	495.1	495.1	495.1

(END OF REPORT)