

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

Luminaire Tested: **S125RDIP-S850D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333576
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-S850D1205U835-4F0-1E-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: 7602.3 lumens
Efficiency: N/A
Efficacy: 133.6 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

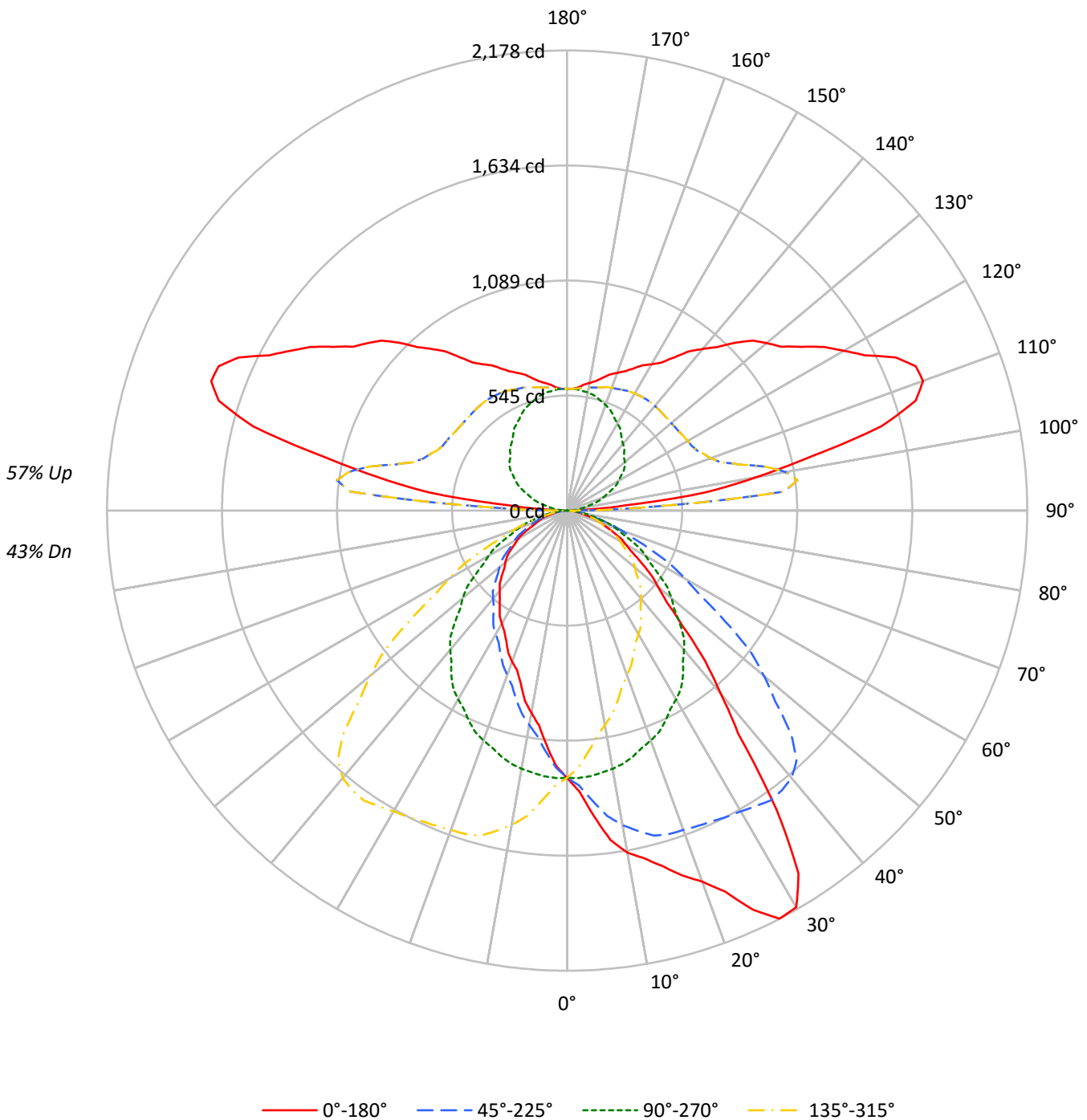
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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	1.6
10°-20°	355.5	4.7
20°-30°	563.6	7.4
30°-40°	679.7	8.9
40°-50°	607.0	8.0
50°-60°	465.5	6.1
60°-70°	302.5	4.0
70°-80°	147.1	1.9
80°-90°	38.3	0.5
90°-100°	417.8	5.5
100°-110°	898.0	11.8
110°-120°	842.8	11.1
120°-130°	683.0	9.0
130°-140°	548.1	7.2
140°-150°	413.6	5.4
150°-160°	291.2	3.8
160°-170°	171.6	2.3
170°-180°	55.8	0.7
0°-30°	1040.4	13.7
0°-40°	1720.1	22.6
0°-60°	2792.5	36.7
0°-90°	3280.3	43.1
90°-120°	2158.6	28.4
90°-150°	3803.4	50.0
90°-180°	4322.0	56.9
0°-180°	7602.3	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°	27	1	27	1	27	19
95°	273	38	273	38	273	387
105°	1540	131	1540	131	1540	1530
115°	1715	235	1715	235	1715	1676
125°	1351	325	1351	325	1351	1223
135°	1122	381	1122	381	1122	870
145°	885	444	885	444	885	563
155°	742	507	742	507	742	346
165°	651	553	651	553	651	186
175°	584	575	584	575	584	57
180°	576	576	576	576	576	



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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°	14.5	14.1	13.4	13.4	13.8	14.2	13.6	12.9	12.7	12.4	12.4
90°	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9	19.8	18.6	16.3
92.5°	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9	303.3	374.6	380.7
95°	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4	1007.4	1029.5	840.1
97.5°	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2	1274.7	1099.4	750.2
100°	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2	1339.7	1049.2	669.3
102.5°	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5	1300.7	960.9	607.9
105°	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8	1175.9	842.4	548.4
107.5°	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7	1048.6	760.8	523.3
110°	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0	976.0	722.7	515.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8	922.1	700.4	515.9
115°	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1	863.3	676.3	519.4
117.5°	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2	828.2	664.4	527.1
120°	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8	808.7	658.8	534.5
122.5°	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7	792.0	654.2	541.0
125°	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2	769.2	648.4	551.9
127.5°	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0	748.3	645.6	564.2
130°	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8	734.4	643.7	571.7
132.5°	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5	723.2	643.7	580.0
135°	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3	710.0	643.7	591.4
137.5°	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8	698.1	645.1	601.9
140°	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8	692.5	646.0	606.5
142.5°	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7	687.9	647.0	609.3
145°	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9	680.9	646.0	612.4
147.5°	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1	673.7	643.0	613.5
150°	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7	668.1	640.2	613.5
152.5°	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4	661.6	636.5	612.6
155°	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4	650.7	629.8	610.0
157.5°	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5	640.5	622.8	607.0
160°	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2	632.1	618.2	604.2
162.5°	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0	624.7	612.6	601.4
165°	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8	613.5	604.2	597.2
167.5°	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3	602.6	596.1	590.7
170°	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9	596.1	591.4	588.0
172.5°	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5	589.6	585.9	584.2
175°	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5	581.0	579.8	579.8
177.5°	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2	577.3	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



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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°	12.6	12.1	12.3	11.8	10.9	12.6	13.3	13.5	12.9	12.6	12.2
90°	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2	2.3	4.6	7.0
92.5°	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2	17.2	27.0	41.4
95°	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3	39.5	48.8	61.6
97.5°	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7	65.1	71.6	84.4
100°	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3	83.7	88.3	101.1
102.5°	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9	102.3	106.0	119.7
105°	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3	131.3	137.1	148.7
107.5°	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0	163.4	168.9	178.5
110°	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4	184.8	189.4	199.9



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8	206.1	209.8	220.3
115°	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7	237.0	240.5	251.0
117.5°	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6	266.1	269.8	280.3
120°	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2	284.7	289.3	299.8
122.5°	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7	303.3	307.0	317.4
125°	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3	327.7	333.5	343.9
127.5°	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6	348.1	355.6	368.8
130°	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7	360.2	369.5	384.6
132.5°	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0	370.4	381.6	398.6
135°	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1	385.8	399.7	418.3
137.5°	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2	403.7	416.7	435.3
140°	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3	414.8	428.8	447.4
142.5°	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3	426.9	439.9	458.5
145°	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9	446.2	457.8	474.1
147.5°	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3	465.7	475.7	490.8
150°	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4	478.7	486.9	502.0
152.5°	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4	490.8	498.0	511.3
155°	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6	506.6	513.6	525.2
157.5°	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0	521.7	527.3	537.3
160°	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2	531.0	535.7	543.8
162.5°	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5	539.4	544.0	551.2
165°	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1	550.8	554.3	560.1
167.5°	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5	560.3	562.4	565.6
170°	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0	565.9	567.0	569.4
172.5°	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8	568.7	569.8	572.1
175°	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2	572.8	574.0	575.2
177.5°	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3	575.4	575.4	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-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°	12.2	12.7	12.5	13.8	12.8	13.7	13.9	13.7	14.0	14.2	14.3
90°	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9	22.1	23.2	25.6
92.5°	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9	149.4	112.5	95.3
95°	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4	658.8	515.9	418.3
97.5°	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2	1120.4	981.2	845.4
100°	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2	1372.3	1252.6	1131.7
102.5°	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5	1526.6	1469.2	1387.4
105°	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8	1614.0	1665.1	1652.3
107.5°	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7	1536.1	1667.4	1728.1
110°	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0	1447.8	1611.6	1710.4



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8	1360.4	1526.1	1642.5
115°	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1	1235.2	1394.3	1521.0
117.5°	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2	1148.5	1285.6	1401.8
120°	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8	1099.2	1227.0	1329.3
122.5°	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7	1063.9	1177.8	1273.5
125°	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2	1016.7	1117.8	1201.5
127.5°	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0	971.6	1066.0	1144.3
130°	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8	940.0	1030.7	1106.2
132.5°	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5	910.3	992.5	1065.3
135°	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3	864.5	938.9	1005.1
137.5°	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8	823.6	885.4	941.7
140°	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8	799.4	852.9	901.7
142.5°	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7	779.0	825.0	867.3
145°	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9	752.9	789.0	820.3
147.5°	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1	731.3	759.0	782.7
150°	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7	719.3	741.3	762.2
152.5°	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4	707.2	727.4	743.7
155°	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4	689.0	705.3	718.1
157.5°	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5	671.8	684.4	694.4
160°	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2	658.8	670.4	678.6
162.5°	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0	647.7	657.4	664.6
165°	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8	630.9	637.9	643.7
167.5°	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3	614.7	620.0	624.2
170°	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9	605.4	608.9	611.2
172.5°	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5	597.0	599.6	601.0
175°	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5	584.5	586.8	586.8
177.5°	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2	579.1	579.1	579.1
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-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°	14.7	14.3	14.5	14.5	14.5	14.3	14.7	14.3	14.2	14.0	13.7
90°	25.6	25.6	26.7	26.7	26.7	25.6	25.6	25.6	23.2	22.1	20.9
92.5°	80.4	77.6	76.0	74.1	76.0	77.6	80.4	95.3	112.5	149.4	205.9
95°	335.8	300.9	291.7	273.1	291.7	300.9	335.8	418.3	515.9	658.8	835.4
97.5°	773.6	708.6	674.9	660.0	674.9	708.6	773.6	845.4	981.2	1120.4	1244.2
100°	1051.6	967.9	924.9	906.3	924.9	967.9	1051.6	1131.7	1252.6	1372.3	1429.2
102.5°	1301.6	1242.1	1195.4	1181.5	1195.4	1242.1	1301.6	1387.4	1469.2	1526.6	1491.5
105°	1615.1	1576.8	1553.5	1539.6	1553.5	1576.8	1615.1	1652.3	1665.1	1614.0	1454.8
107.5°	1746.9	1746.7	1739.0	1729.7	1739.0	1746.7	1746.9	1728.1	1667.4	1536.1	1323.7
110°	1762.7	1784.8	1792.9	1792.9	1792.9	1784.8	1762.7	1710.4	1611.6	1447.8	1227.0



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1719.0	1756.9	1777.1	1785.5	1777.1	1756.9	1719.0	1642.5	1526.1	1360.4	1150.8
115°	1611.6	1667.4	1699.9	1715.0	1699.9	1667.4	1611.6	1521.0	1394.3	1235.2	1055.1
117.5°	1492.4	1550.1	1582.4	1591.6	1582.4	1550.1	1492.4	1401.8	1285.6	1148.5	993.2
120°	1415.3	1471.0	1502.4	1511.7	1502.4	1471.0	1415.3	1329.3	1227.0	1099.2	959.8
122.5°	1350.2	1401.3	1432.7	1441.1	1432.7	1401.3	1350.2	1273.5	1177.8	1063.9	934.7
125°	1266.5	1314.2	1339.7	1351.4	1339.7	1314.2	1266.5	1201.5	1117.8	1016.7	898.2
127.5°	1203.3	1245.4	1269.6	1274.7	1269.6	1245.4	1203.3	1144.3	1066.0	971.6	861.0
130°	1164.3	1202.6	1225.9	1232.8	1225.9	1202.6	1164.3	1106.2	1030.7	940.0	837.8
132.5°	1123.4	1161.7	1183.1	1191.0	1183.1	1161.7	1123.4	1065.3	992.5	910.3	814.5
135°	1056.2	1094.6	1115.5	1122.5	1115.5	1094.6	1056.2	1005.1	938.9	864.5	784.3
137.5°	987.4	1022.3	1041.6	1049.2	1041.6	1022.3	987.4	941.7	885.4	823.6	758.8
140°	944.7	974.9	992.3	998.1	992.3	974.9	944.7	901.7	852.9	799.4	744.8
142.5°	903.8	929.3	945.8	950.7	945.8	929.3	903.8	867.3	825.0	779.0	732.7
145°	848.2	868.0	880.8	885.4	880.8	868.0	848.2	820.3	789.0	752.9	716.9
147.5°	804.8	820.6	828.0	830.1	828.0	820.6	804.8	782.7	759.0	731.3	702.1
150°	779.7	793.6	798.3	799.4	798.3	793.6	779.7	762.2	741.3	719.3	693.7
152.5°	758.3	769.4	774.1	775.3	774.1	769.4	758.3	743.7	727.4	707.2	684.4
155°	729.7	737.8	741.3	742.5	741.3	737.8	729.7	718.1	705.3	689.0	670.4
157.5°	703.4	710.2	713.4	713.2	713.4	710.2	703.4	694.4	684.4	671.8	656.5
160°	686.7	692.5	694.9	693.7	694.9	692.5	686.7	678.6	670.4	658.8	647.2
162.5°	670.9	675.8	676.3	676.0	676.3	675.8	670.9	664.6	657.4	647.7	637.0
165°	648.4	650.7	650.7	650.7	650.7	650.7	648.4	643.7	637.9	630.9	622.8
167.5°	626.5	628.6	627.7	627.5	627.7	628.6	626.5	624.2	620.0	614.7	609.3
170°	613.5	614.7	614.7	613.5	614.7	614.7	613.5	611.2	608.9	605.4	601.9
172.5°	601.4	603.5	601.7	600.5	601.7	603.5	601.4	601.0	599.6	597.0	593.5
175°	586.8	588.0	585.6	584.5	585.6	588.0	586.8	586.8	586.8	584.5	584.5
177.5°	578.2	579.1	576.3	576.3	576.3	579.1	578.2	579.1	579.1	579.1	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-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°	13.9	13.7	12.8	13.8	12.5	12.7	12.2	12.2	12.6	12.9	13.5
90°	19.8	18.6	16.3	15.1	12.8	11.6	9.3	7.0	4.6	2.3	1.2
92.5°	303.3	374.6	380.7	265.2	158.7	95.3	61.4	41.4	27.0	17.2	14.2
95°	1007.4	1029.5	840.1	519.4	263.8	139.4	87.1	61.6	48.8	39.5	38.3
97.5°	1274.7	1099.4	750.2	414.6	227.3	145.0	107.4	84.4	71.6	65.1	63.7
100°	1339.7	1049.2	669.3	376.5	225.4	158.0	123.2	101.1	88.3	83.7	81.3
102.5°	1300.7	960.9	607.9	360.7	233.8	173.8	139.9	119.7	106.0	102.3	100.9
105°	1175.9	842.4	548.4	354.4	251.0	199.9	167.3	148.7	137.1	131.3	131.3
107.5°	1048.6	760.8	523.3	365.1	276.5	227.0	197.8	178.5	168.9	163.4	161.0
110°	976.0	722.7	515.9	375.3	295.1	247.5	217.3	199.9	189.4	184.8	182.4



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	922.1	700.4	515.9	388.3	312.8	267.0	237.7	220.3	209.8	206.1	203.8
115°	863.3	676.3	519.4	407.8	340.5	297.5	268.4	251.0	240.5	237.0	234.7
117.5°	828.2	664.4	527.1	430.2	368.8	328.1	300.0	280.3	269.8	266.1	262.6
120°	808.7	658.8	534.5	445.0	389.3	348.6	319.5	299.8	289.3	284.7	281.2
122.5°	792.0	654.2	541.0	461.8	408.8	368.1	339.1	317.4	307.0	303.3	300.7
125°	769.2	648.4	551.9	484.5	434.6	396.2	366.0	343.9	333.5	327.7	325.3
127.5°	748.3	645.6	564.2	505.5	459.4	422.5	392.3	368.8	355.6	348.1	344.6
130°	734.4	643.7	571.7	519.4	475.2	439.2	409.0	384.6	369.5	360.2	356.7
132.5°	723.2	643.7	580.0	531.5	490.1	454.1	423.9	398.6	381.6	370.4	366.0
135°	710.0	643.7	591.4	548.4	510.1	474.1	442.7	418.3	399.7	385.8	381.1
137.5°	698.1	645.1	601.9	561.0	524.3	491.5	459.2	435.3	416.7	403.7	400.2
140°	692.5	646.0	606.5	569.4	534.5	500.8	469.4	447.4	428.8	414.8	411.3
142.5°	687.9	647.0	609.3	574.0	541.0	509.2	479.7	458.5	439.9	426.9	424.3
145°	680.9	646.0	612.4	581.0	551.9	521.7	495.0	474.1	457.8	446.2	443.9
147.5°	673.7	643.0	613.5	585.2	558.9	532.4	508.9	490.8	475.7	465.7	464.3
150°	668.1	640.2	613.5	588.0	563.5	538.0	518.2	502.0	486.9	478.7	476.4
152.5°	661.6	636.5	612.6	589.8	568.2	544.5	526.6	511.3	498.0	490.8	489.4
155°	650.7	629.8	610.0	591.4	572.8	553.1	536.8	525.2	513.6	506.6	506.6
157.5°	640.5	622.8	607.0	592.6	576.8	559.8	547.5	537.3	527.3	521.7	522.0
160°	632.1	618.2	604.2	592.6	578.7	563.5	553.1	543.8	535.7	531.0	532.2
162.5°	624.7	612.6	601.4	591.7	580.5	567.3	558.7	551.2	544.0	539.4	540.5
165°	613.5	604.2	597.2	590.3	581.0	571.7	564.7	560.1	554.3	550.8	553.1
167.5°	602.6	596.1	590.7	587.5	581.0	573.3	568.9	565.6	562.4	560.3	561.5
170°	596.1	591.4	588.0	585.6	581.0	575.2	571.7	569.4	567.0	565.9	567.0
172.5°	589.6	585.9	584.2	583.8	580.0	575.2	573.5	572.1	569.8	568.7	570.8
175°	581.0	579.8	579.8	581.0	578.7	575.2	575.2	575.2	574.0	572.8	575.2
177.5°	577.3	576.3	576.3	578.2	577.3	575.4	575.4	576.3	575.4	575.4	577.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-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	12.6	10.9	11.8	12.3	12.1	12.6	12.4	12.4	12.7	12.9
90°	2.3	4.6	7.0	9.3	11.6	12.8	15.1	16.3	18.6	19.8	20.9
92.5°	17.2	27.0	41.4	61.4	95.3	158.7	265.2	380.7	374.6	303.3	205.9
95°	39.5	48.8	61.6	87.1	139.4	263.8	519.4	840.1	1029.5	1007.4	835.4
97.5°	65.1	71.6	84.4	107.4	145.0	227.3	414.6	750.2	1099.4	1274.7	1244.2
100°	83.7	88.3	101.1	123.2	158.0	225.4	376.5	669.3	1049.2	1339.7	1429.2
102.5°	102.3	106.0	119.7	139.9	173.8	233.8	360.7	607.9	960.9	1300.7	1491.5
105°	131.3	137.1	148.7	167.3	199.9	251.0	354.4	548.4	842.4	1175.9	1454.8
107.5°	163.4	168.9	178.5	197.8	227.0	276.5	365.1	523.3	760.8	1048.6	1323.7
110°	184.8	189.4	199.9	217.3	247.5	295.1	375.3	515.9	722.7	976.0	1227.0



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.1	209.8	220.3	237.7	267.0	312.8	388.3	515.9	700.4	922.1	1150.8
115°	237.0	240.5	251.0	268.4	297.5	340.5	407.8	519.4	676.3	863.3	1055.1
117.5°	266.1	269.8	280.3	300.0	328.1	368.8	430.2	527.1	664.4	828.2	993.2
120°	284.7	289.3	299.8	319.5	348.6	389.3	445.0	534.5	658.8	808.7	959.8
122.5°	303.3	307.0	317.4	339.1	368.1	408.8	461.8	541.0	654.2	792.0	934.7
125°	327.7	333.5	343.9	366.0	396.2	434.6	484.5	551.9	648.4	769.2	898.2
127.5°	348.1	355.6	368.8	392.3	422.5	459.4	505.5	564.2	645.6	748.3	861.0
130°	360.2	369.5	384.6	409.0	439.2	475.2	519.4	571.7	643.7	734.4	837.8
132.5°	370.4	381.6	398.6	423.9	454.1	490.1	531.5	580.0	643.7	723.2	814.5
135°	385.8	399.7	418.3	442.7	474.1	510.1	548.4	591.4	643.7	710.0	784.3
137.5°	403.7	416.7	435.3	459.2	491.5	524.3	561.0	601.9	645.1	698.1	758.8
140°	414.8	428.8	447.4	469.4	500.8	534.5	569.4	606.5	646.0	692.5	744.8
142.5°	426.9	439.9	458.5	479.7	509.2	541.0	574.0	609.3	647.0	687.9	732.7
145°	446.2	457.8	474.1	495.0	521.7	551.9	581.0	612.4	646.0	680.9	716.9
147.5°	465.7	475.7	490.8	508.9	532.4	558.9	585.2	613.5	643.0	673.7	702.1
150°	478.7	486.9	502.0	518.2	538.0	563.5	588.0	613.5	640.2	668.1	693.7
152.5°	490.8	498.0	511.3	526.6	544.5	568.2	589.8	612.6	636.5	661.6	684.4
155°	506.6	513.6	525.2	536.8	553.1	572.8	591.4	610.0	629.8	650.7	670.4
157.5°	521.7	527.3	537.3	547.5	559.8	576.8	592.6	607.0	622.8	640.5	656.5
160°	531.0	535.7	543.8	553.1	563.5	578.7	592.6	604.2	618.2	632.1	647.2
162.5°	539.4	544.0	551.2	558.7	567.3	580.5	591.7	601.4	612.6	624.7	637.0
165°	550.8	554.3	560.1	564.7	571.7	581.0	590.3	597.2	604.2	613.5	622.8
167.5°	560.3	562.4	565.6	568.9	573.3	581.0	587.5	590.7	596.1	602.6	609.3
170°	565.9	567.0	569.4	571.7	575.2	581.0	585.6	588.0	591.4	596.1	601.9
172.5°	568.7	569.8	572.1	573.5	575.2	580.0	583.8	584.2	585.9	589.6	593.5
175°	572.8	574.0	575.2	575.2	575.2	578.7	581.0	579.8	579.8	581.0	584.5
177.5°	575.4	575.4	576.3	575.4	575.4	577.3	578.2	576.3	576.3	577.3	578.2
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3



TEST NUMBER: P333576

CATALOG NUMBER: S125RDIP-S850D1205U835-4F0-1E-UDD-A4

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°	13.6	14.2	13.8	13.4	13.4	14.1	14.5
90°	22.1	23.2	25.6	25.6	25.6	26.7	26.7
92.5°	149.4	112.5	95.3	80.4	77.6	76.0	74.1
95°	658.8	515.9	418.3	335.8	300.9	291.7	273.1
97.5°	1120.4	981.2	845.4	773.6	708.6	674.9	660.0
100°	1372.3	1252.6	1131.7	1051.6	967.9	924.9	906.3
102.5°	1526.6	1469.2	1387.4	1301.6	1242.1	1195.4	1181.5
105°	1614.0	1665.1	1652.3	1615.1	1576.8	1553.5	1539.6
107.5°	1536.1	1667.4	1728.1	1746.9	1746.7	1739.0	1729.7
110°	1447.8	1611.6	1710.4	1762.7	1784.8	1792.9	1792.9



TEST NUMBER: P333576

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1360.4	1526.1	1642.5	1719.0	1756.9	1777.1	1785.5
115°	1235.2	1394.3	1521.0	1611.6	1667.4	1699.9	1715.0
117.5°	1148.5	1285.6	1401.8	1492.4	1550.1	1582.4	1591.6
120°	1099.2	1227.0	1329.3	1415.3	1471.0	1502.4	1511.7
122.5°	1063.9	1177.8	1273.5	1350.2	1401.3	1432.7	1441.1
125°	1016.7	1117.8	1201.5	1266.5	1314.2	1339.7	1351.4
127.5°	971.6	1066.0	1144.3	1203.3	1245.4	1269.6	1274.7
130°	940.0	1030.7	1106.2	1164.3	1202.6	1225.9	1232.8
132.5°	910.3	992.5	1065.3	1123.4	1161.7	1183.1	1191.0
135°	864.5	938.9	1005.1	1056.2	1094.6	1115.5	1122.5
137.5°	823.6	885.4	941.7	987.4	1022.3	1041.6	1049.2
140°	799.4	852.9	901.7	944.7	974.9	992.3	998.1
142.5°	779.0	825.0	867.3	903.8	929.3	945.8	950.7
145°	752.9	789.0	820.3	848.2	868.0	880.8	885.4
147.5°	731.3	759.0	782.7	804.8	820.6	828.0	830.1
150°	719.3	741.3	762.2	779.7	793.6	798.3	799.4
152.5°	707.2	727.4	743.7	758.3	769.4	774.1	775.3
155°	689.0	705.3	718.1	729.7	737.8	741.3	742.5
157.5°	671.8	684.4	694.4	703.4	710.2	713.4	713.2
160°	658.8	670.4	678.6	686.7	692.5	694.9	693.7
162.5°	647.7	657.4	664.6	670.9	675.8	676.3	676.0
165°	630.9	637.9	643.7	648.4	650.7	650.7	650.7
167.5°	614.7	620.0	624.2	626.5	628.6	627.7	627.5
170°	605.4	608.9	611.2	613.5	614.7	614.7	613.5
172.5°	597.0	599.6	601.0	601.4	603.5	601.7	600.5
175°	584.5	586.8	586.8	586.8	588.0	585.6	584.5
177.5°	579.1	579.1	579.1	578.2	579.1	576.3	576.3
180°	576.3	576.3	576.3	576.3	576.3	576.3	576.3

(END OF REPORT)