

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: P332350

Luminaire Tested: **S123RDIP-S1000D1025U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

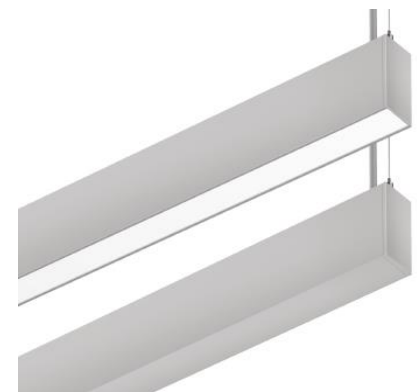
Test Information

Test Method: LM-79-08
Report Number: P332350
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7671.8 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

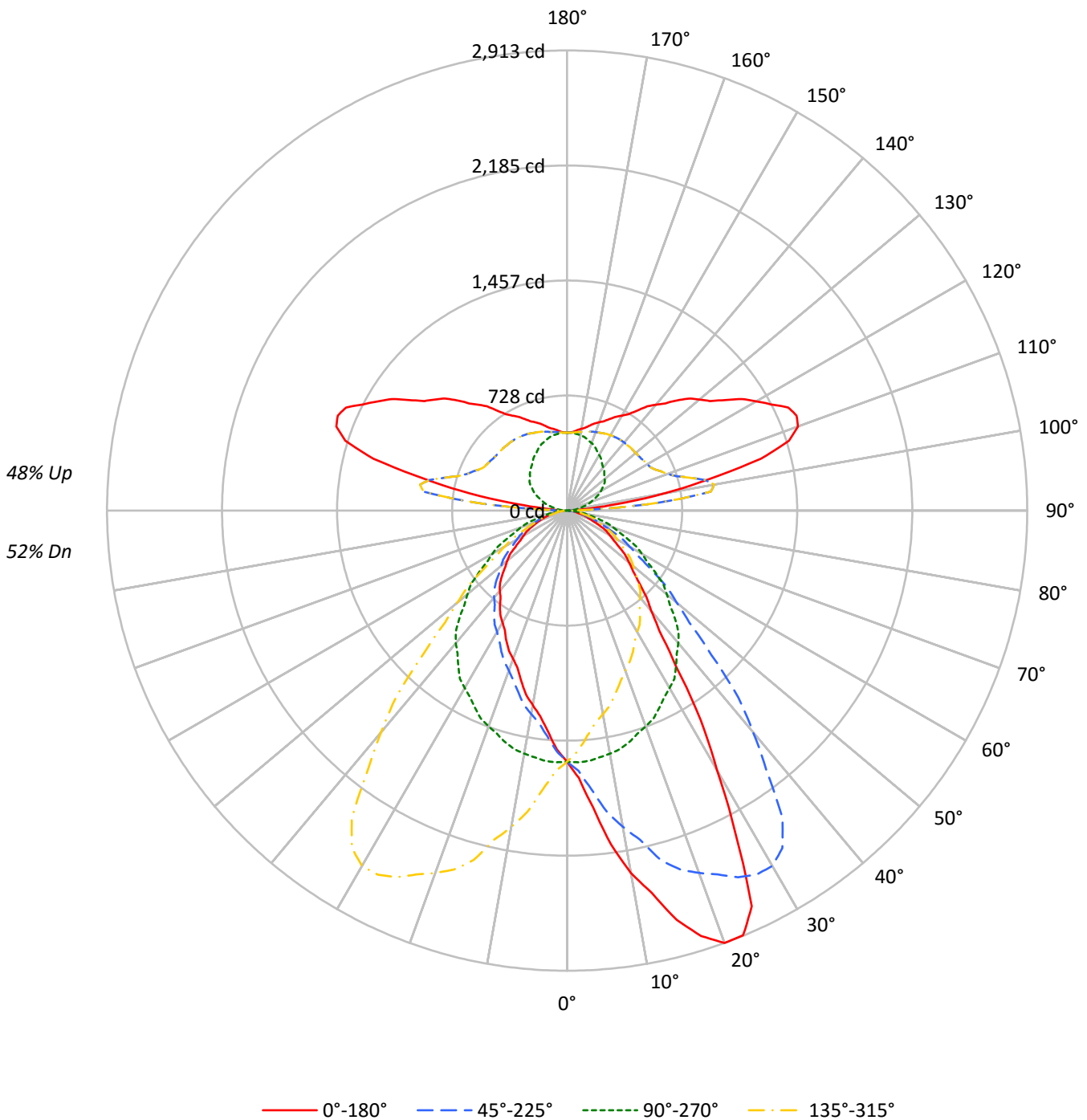
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	99	95	91	88	91	88	85	82	75	72	70	63	61	60	52	51	50	45
2	90	83	78	73	83	77	72	68	66	62	59	56	53	51	46	45	43	38
3	83	74	67	61	76	69	63	58	59	54	51	50	47	44	42	39	37	33
4	76	66	58	52	70	61	55	49	53	48	44	45	41	38	38	35	33	29
5	70	59	51	45	65	55	48	43	47	42	38	41	36	33	34	31	29	26
6	65	53	45	39	60	50	43	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	29	25	23	20
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	26	23	21	18
9	52	40	33	28	48	38	31	26	33	28	24	29	24	21	24	21	19	17
10	49	37	30	25	45	35	28	24	30	25	22	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17111	17111	17111	17111
5°	20398	17184	15132	17184
10°	25468	17086	13671	17086
15°	29895	16912	12467	16912
20°	33364	16651	11443	16651
25°	32831	16376	10815	16376
30°	23599	16122	10167	16122
35°	15757	15792	9747	15792
40°	11609	15396	9313	15396
45°	9738	14700	8888	14700
50°	8592	13788	8296	13788
55°	7535	12746	7484	12746
60°	6710	11750	6857	11750
65°	5894	10677	6378	10677
70°	4626	9725	5825	9725
75°	4076	8492	5319	8492
80°	3546	7215	5232	7215
85°	2853	5805	5545	5805



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	2.0
10°-20°	488.4	6.4
20°-30°	767.3	10.0
30°-40°	800.5	10.4
40°-50°	685.1	8.9
50°-60°	522.2	6.8
60°-70°	334.7	4.4
70°-80°	161.0	2.1
80°-90°	46.4	0.6
90°-100°	274.4	3.6
100°-110°	777.0	10.1
110°-120°	764.4	10.0
120°-130°	609.7	7.9
130°-140°	480.7	6.3
140°-150°	358.8	4.7
150°-160°	250.1	3.3
160°-170°	146.9	1.9
170°-180°	47.8	0.6
0°-30°	1412.0	18.4
0°-40°	2212.6	28.8
0°-60°	3419.8	44.6
0°-90°	3962.0	51.6
90°-120°	1815.8	23.7
90°-150°	3265.1	42.6
90°-180°	3710.0	48.4
0°-180°	7671.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1888	1590	1400	1590	1888	195
15°	2683	1518	1119	1518	2683	761
25°	2764	1379	911	1379	2764	1188
35°	1199	1202	742	1202	1199	786
45°	640	966	584	966	640	503
55°	402	679	399	679	402	363
65°	231	419	250	419	231	228
75°	98	204	128	204	98	105
85°	23	47	45	47	23	27
90°	29	2	29	2	29	16
95°	116	34	116	34	116	209
105°	1270	116	1270	116	1270	1253
115°	1544	205	1544	205	1544	1500
125°	1218	284	1218	284	1218	1104
135°	987	333	987	333	987	766
145°	772	380	772	380	772	491
155°	640	432	640	432	640	298
165°	558	472	558	472	558	159
175°	502	492	502	492	502	49
180°	493	493	493	493	493	



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1693.2	1695.3	1688.3	1687.2	1679.0	1676.8	1676.8	1665.4	1658.3	1649.1	1643.6
5°	1887.8	1898.7	1893.2	1881.0	1860.6	1855.8	1842.9	1822.5	1799.3	1770.7	1757.1
7.5°	2130.9	2145.7	2140.0	2121.1	2099.7	2082.4	2046.0	2012.1	1964.6	1922.9	1887.3
10°	2330.1	2314.5	2302.2	2283.9	2264.1	2232.1	2194.0	2141.6	2081.1	2033.4	1980.4
12.5°	2479.3	2476.7	2461.2	2442.3	2414.4	2384.0	2337.2	2273.4	2203.0	2134.2	2073.4
15°	2682.7	2686.7	2676.5	2656.8	2617.3	2563.6	2492.8	2466.3	2365.5	2290.7	2215.8
17.5°	2823.4	2822.6	2821.2	2793.9	2753.6	2715.3	2649.7	2579.9	2488.7	2383.2	2282.4
20°	2912.7	2905.9	2907.2	2876.6	2846.7	2802.4	2738.5	2637.1	2562.2	2440.4	2336.3
22.5°	2910.5	2909.1	2914.3	2903.8	2882.1	2848.2	2797.8	2712.2	2616.6	2493.7	2376.6
25°	2764.3	2758.9	2790.9	2799.7	2834.4	2840.5	2825.6	2778.6	2688.1	2561.5	2416.6
27.5°	2313.5	2310.5	2369.9	2444.2	2538.4	2611.6	2682.4	2716.6	2688.1	2597.5	2452.2
30°	1898.7	1962.7	1992.6	2100.1	2219.9	2362.8	2488.0	2607.1	2636.4	2596.9	2477.8
32.5°	1576.4	1632.2	1657.2	1749.5	1861.1	2028.5	2216.4	2385.0	2504.1	2534.3	2462.6
35°	1199.1	1199.8	1256.9	1297.8	1401.2	1573.4	1755.8	1981.7	2206.3	2376.4	2394.1
37.5°	956.8	960.2	994.8	1035.5	1113.1	1204.1	1364.7	1552.6	1812.0	2073.2	2226.3
40°	826.2	832.3	858.2	898.3	954.1	1022.8	1148.1	1325.0	1541.4	1832.0	2069.5
42.5°	742.3	752.3	765.6	796.5	831.1	895.4	996.7	1133.4	1330.2	1605.0	1879.0
45°	639.7	645.1	655.4	669.6	700.9	745.9	813.9	905.8	1069.1	1290.3	1564.5
47.5°	564.3	561.4	572.2	583.8	604.6	635.2	680.8	755.8	872.3	1049.8	1282.4
50°	513.1	512.4	519.9	528.8	548.5	571.0	608.4	664.9	757.4	904.4	1117.4
52.5°	465.2	467.8	473.1	484.1	498.4	516.5	550.1	590.8	670.3	797.2	974.8
55°	401.5	403.6	411.0	417.2	427.4	445.7	466.8	500.9	555.3	643.8	790.1
57.5°	347.6	346.7	353.9	355.4	366.9	381.9	398.2	424.7	464.1	529.9	628.4
60°	311.7	309.6	315.8	320.5	326.7	338.9	352.5	378.4	409.7	458.0	542.4
62.5°	279.0	278.1	282.6	287.3	292.4	303.5	315.0	334.8	359.6	400.3	467.3
65°	231.4	233.4	235.5	237.5	240.2	247.0	257.9	271.5	288.5	317.1	365.4
67.5°	181.8	183.9	184.6	188.8	194.6	198.9	205.5	217.6	229.5	253.6	281.1
70°	147.0	146.3	147.0	149.0	156.5	164.0	172.9	181.7	189.2	206.2	229.3
72.5°	126.3	125.1	126.9	127.3	130.9	133.0	138.6	146.9	156.5	168.1	184.7
75°	98.0	98.0	98.0	98.0	100.7	102.1	104.1	106.2	109.6	115.0	127.3
77.5°	72.4	72.5	73.5	74.2	74.7	75.5	76.8	78.8	80.0	82.9	88.2
80°	57.2	57.8	57.2	57.8	57.8	59.2	59.9	61.9	62.6	66.0	68.1
82.5°	43.0	42.6	43.0	43.7	43.7	45.1	45.2	46.7	46.8	48.6	50.6
85°	23.1	21.8	23.1	22.5	23.8	22.5	23.1	24.5	24.5	25.2	27.9
87.5°	11.2	12.5	11.2	11.6	11.8	11.9	11.7	11.5	12.4	12.1	12.0
90°	28.9	29.9	28.9	27.9	28.9	27.0	26.0	25.0	24.0	25.0	22.0
92.5°	48.1	49.9	48.9	51.9	53.7	58.9	66.7	84.0	115.8	153.5	168.9
95°	115.8	119.8	126.8	135.8	154.7	190.7	243.6	359.3	480.1	591.9	527.0
97.5°	315.2	323.8	350.8	395.7	469.3	588.7	717.5	895.8	981.4	917.3	671.6
100°	625.9	624.9	663.8	736.7	837.5	979.2	1096.0	1176.9	1141.9	945.3	638.8
102.5°	918.1	941.1	973.6	1031.3	1109.8	1199.6	1267.7	1270.3	1149.9	893.4	590.9
105°	1269.7	1274.7	1306.6	1344.5	1390.5	1416.4	1397.5	1297.6	1089.0	802.5	532.0
107.5°	1472.1	1481.3	1492.1	1504.9	1504.1	1468.5	1381.1	1219.0	982.4	722.3	494.5
110°	1555.2	1557.2	1559.2	1551.2	1523.2	1453.3	1327.6	1143.9	915.3	676.8	480.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1571.9	1571.5	1563.9	1539.2	1488.1	1398.2	1257.3	1069.6	857.0	646.4	472.1
115°	1544.2	1539.2	1519.2	1475.3	1400.4	1291.6	1144.9	971.2	786.6	613.9	469.1
117.5°	1455.9	1449.2	1420.4	1370.1	1292.0	1181.6	1049.9	900.0	744.0	594.7	470.9
120°	1382.5	1376.5	1352.5	1296.6	1217.8	1117.0	997.2	862.4	721.7	585.9	474.1
122.5°	1313.8	1306.2	1279.9	1229.6	1159.5	1065.9	954.9	832.9	703.3	580.3	479.7
125°	1217.8	1210.8	1185.8	1141.9	1078.0	998.2	902.4	793.6	679.8	573.0	488.1
127.5°	1138.7	1132.3	1109.8	1072.2	1015.3	942.7	856.2	759.2	659.0	569.4	497.7
130°	1094.0	1086.0	1065.1	1029.1	976.2	908.3	827.5	737.7	647.8	567.0	504.1
132.5°	1050.1	1044.5	1025.9	990.0	940.3	875.6	800.3	717.7	637.4	566.2	508.9
135°	987.2	980.2	962.2	932.3	883.4	826.5	761.6	690.7	623.9	565.0	516.1
137.5°	920.7	916.1	901.0	870.6	829.5	780.2	724.3	666.2	612.1	562.8	520.8
140°	874.4	875.4	859.4	831.5	793.6	750.6	702.7	651.8	604.9	562.0	524.0
142.5°	831.3	832.3	817.9	793.2	760.8	723.5	682.0	638.2	598.5	560.4	526.4
145°	771.6	769.6	761.6	740.6	715.7	686.7	654.8	621.9	589.9	558.0	528.0
147.5°	722.5	721.7	714.1	699.9	681.0	660.4	634.6	608.5	581.5	554.2	528.0
150°	693.7	693.7	687.7	676.8	661.8	642.8	621.9	598.9	575.9	551.0	528.0
152.5°	669.8	669.8	666.2	656.0	644.2	628.5	609.9	590.1	569.6	547.0	525.6
155°	639.8	638.8	636.8	628.9	619.9	607.9	592.9	576.9	560.0	540.0	523.0
157.5°	612.5	612.7	611.1	605.1	597.3	587.9	576.3	563.0	549.2	533.8	519.7
160°	594.9	595.9	595.9	589.9	582.9	575.9	566.0	555.0	542.0	529.0	518.1
162.5°	578.9	579.9	579.9	574.8	570.2	564.0	554.8	545.4	534.8	524.2	514.9
165°	558.0	558.0	559.0	555.0	551.0	546.0	539.0	533.0	525.0	517.1	510.1
167.5°	538.0	538.0	539.0	536.2	534.4	530.8	526.8	522.2	515.7	509.9	505.3
170°	526.0	526.0	527.0	525.0	524.0	522.0	518.1	515.1	510.1	505.1	502.1
172.5°	514.9	515.7	517.5	515.5	515.3	514.1	510.9	508.7	504.5	501.1	499.7
175°	502.1	503.1	504.1	503.1	503.1	503.1	501.1	500.1	498.1	496.1	496.1
177.5°	494.7	494.7	496.3	495.5	496.3	496.3	495.5	494.7	493.9	493.1	493.9
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1641.4	1639.8	1632.2	1623.5	1612.0	1604.4	1598.4	1595.2	1585.4	1573.4	1565.2
5°	1742.8	1722.4	1700.7	1674.1	1649.6	1624.4	1608.8	1590.4	1567.9	1542.8	1525.1
7.5°	1851.5	1811.4	1768.3	1723.8	1679.8	1640.4	1605.5	1575.7	1539.9	1503.8	1478.5
10°	1934.8	1876.2	1815.7	1753.7	1697.2	1644.2	1603.3	1563.2	1520.3	1478.8	1447.5
12.5°	2010.4	1933.4	1863.6	1787.5	1715.2	1651.8	1593.0	1545.8	1494.2	1449.9	1414.3
15°	2106.2	2027.3	1942.9	1827.2	1731.3	1651.0	1579.5	1517.6	1455.0	1400.5	1365.8
17.5°	2195.8	2077.0	1963.6	1867.1	1742.4	1642.1	1554.9	1480.8	1412.1	1354.4	1311.7
20°	2232.8	2117.8	1994.6	1871.5	1749.0	1636.7	1535.3	1453.6	1382.2	1316.8	1277.4
22.5°	2255.1	2124.9	1995.2	1862.8	1732.6	1616.0	1515.7	1425.9	1348.4	1286.3	1237.6
25°	2281.1	2126.0	1983.1	1852.4	1719.7	1593.1	1474.0	1378.8	1295.1	1229.0	1177.3
27.5°	2298.3	2115.8	1946.9	1801.6	1667.0	1541.0	1431.8	1330.8	1245.9	1176.1	1120.6
30°	2301.6	2107.6	1919.1	1761.9	1625.1	1509.4	1393.7	1297.1	1207.3	1133.1	1081.4
32.5°	2305.9	2087.5	1881.5	1714.5	1574.5	1459.9	1355.1	1262.8	1170.8	1097.7	1044.9
35°	2288.0	2076.3	1824.5	1632.6	1492.4	1381.5	1286.9	1201.8	1111.3	1040.5	986.8
37.5°	2210.6	2032.1	1765.4	1540.3	1393.7	1291.0	1213.9	1139.8	1056.7	980.4	929.7
40°	2132.8	1988.5	1719.7	1484.2	1331.1	1225.6	1156.2	1095.7	1015.4	943.9	889.5
42.5°	2016.8	1929.2	1676.2	1425.4	1260.3	1158.7	1100.1	1043.4	972.9	900.3	849.2
45°	1804.1	1815.7	1587.0	1331.8	1162.3	1060.3	1005.1	965.7	903.1	843.2	790.8
47.5°	1537.3	1645.5	1482.3	1232.0	1059.0	963.2	915.0	880.6	838.4	779.6	731.8
50°	1363.1	1517.6	1398.5	1165.1	994.3	899.0	851.3	823.4	786.7	740.4	694.8
52.5°	1202.5	1368.4	1297.2	1090.5	924.0	836.9	790.4	767.4	738.2	694.7	653.4
55°	980.6	1148.7	1132.4	977.9	818.7	740.4	705.0	679.2	659.4	626.8	594.1
57.5°	793.2	952.6	961.0	852.7	725.9	648.5	618.1	598.6	585.7	561.0	530.8
60°	675.1	821.4	850.0	768.3	659.4	591.4	561.4	545.8	535.6	515.8	492.7
62.5°	577.1	701.6	734.0	675.2	595.7	532.0	508.6	493.5	486.6	469.6	449.2
65°	441.7	545.1	576.4	543.7	502.2	451.2	432.1	419.2	413.1	403.6	388.6
67.5°	332.1	407.5	441.8	418.8	403.8	371.6	359.5	352.5	347.1	340.5	328.0
70°	266.8	322.6	358.0	351.8	339.6	322.6	313.7	309.0	303.5	298.1	287.2
72.5°	214.5	252.9	286.1	289.2	279.2	275.8	268.0	266.0	262.7	256.2	250.2
75°	142.2	168.8	191.9	200.8	204.8	208.2	204.8	204.2	203.5	198.0	194.6
77.5°	93.2	107.5	122.1	137.2	143.6	148.2	149.3	151.8	150.0	147.1	145.5
80°	71.5	74.9	85.1	98.0	108.2	112.3	115.0	116.4	115.7	115.0	112.3
82.5°	51.9	54.7	59.5	68.6	77.2	84.0	85.6	85.3	86.8	87.2	85.1
85°	27.9	28.6	29.9	31.3	36.1	43.6	45.6	47.0	48.3	48.3	44.2
87.5°	12.5	11.4	11.9	11.5	12.7	12.6	15.5	17.8	18.8	17.0	17.6
90°	19.0	16.0	13.0	11.0	9.0	6.0	4.0	2.0	4.0	6.0	9.0
92.5°	126.8	83.8	57.7	42.9	34.5	26.8	18.4	12.4	18.4	26.8	34.5
95°	363.3	214.6	129.8	90.8	64.9	47.9	36.9	33.9	36.9	47.9	64.9
97.5°	398.7	231.0	149.9	107.8	82.2	67.5	58.9	57.9	58.9	67.5	82.2
100°	376.3	228.6	158.7	119.8	95.8	81.9	74.9	73.9	74.9	81.9	95.8
102.5°	357.1	231.8	169.1	133.4	111.8	98.6	92.4	90.6	92.4	98.6	111.8
105°	343.4	240.6	186.7	155.7	136.8	124.8	118.8	115.8	118.8	124.8	136.8
107.5°	342.4	256.9	209.6	180.9	163.1	151.3	145.5	142.5	145.5	151.3	163.1
110°	346.4	270.5	225.6	197.6	180.7	169.7	164.7	161.7	164.7	169.7	180.7



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	354.4	284.1	242.4	215.2	198.2	187.3	182.3	179.3	182.3	187.3	198.2
115°	367.3	306.4	268.5	241.6	224.6	214.6	208.6	204.6	208.6	214.6	224.6
117.5°	384.5	330.2	292.7	267.7	248.7	239.6	234.6	230.0	234.6	239.6	248.7
120°	397.3	345.4	309.4	284.5	265.5	255.5	250.5	247.5	250.5	255.5	265.5
122.5°	409.3	361.3	326.2	299.7	281.5	270.7	265.7	262.7	265.7	270.7	281.5
125°	428.2	384.3	349.4	322.4	303.4	292.5	286.5	284.5	286.5	292.5	303.4
127.5°	443.8	404.3	370.5	343.6	322.6	311.4	304.0	301.1	304.0	311.4	322.6
130°	454.2	416.2	383.3	356.3	335.4	323.4	314.4	311.4	314.4	323.4	335.4
132.5°	463.8	426.6	394.5	368.3	347.4	333.0	323.2	319.4	323.2	333.0	347.4
135°	476.1	442.2	411.2	384.3	363.3	348.4	337.4	333.4	337.4	348.4	363.3
137.5°	485.3	453.0	423.2	398.3	377.5	361.5	350.8	346.6	350.8	361.5	377.5
140°	490.1	460.2	431.2	406.3	386.3	370.3	360.3	355.4	360.3	370.3	386.3
142.5°	494.9	465.8	437.6	414.2	394.3	379.9	369.1	364.9	369.1	379.9	394.3
145°	500.1	473.1	447.2	424.2	407.3	392.3	383.3	380.3	383.3	392.3	407.3
147.5°	503.3	479.1	455.4	435.8	419.4	406.5	397.7	395.9	397.7	406.5	419.4
150°	504.1	483.1	460.2	442.2	428.2	415.2	407.3	406.3	407.3	415.2	428.2
152.5°	505.7	485.5	465.8	448.6	436.2	424.8	416.8	416.6	416.8	424.8	436.2
155°	506.1	490.1	473.1	459.2	448.2	438.2	432.2	432.2	432.2	438.2	448.2
157.5°	507.1	492.7	479.1	468.3	459.0	450.2	445.4	444.6	445.4	450.2	459.0
160°	507.1	495.1	483.1	473.1	466.1	458.2	454.2	454.2	454.2	458.2	466.1
162.5°	506.3	495.9	485.5	477.1	470.9	464.6	461.4	461.4	461.4	464.6	470.9
165°	504.1	497.1	489.1	482.1	478.1	473.1	471.1	472.1	471.1	473.1	478.1
167.5°	502.5	496.9	491.1	486.7	483.9	480.1	479.1	480.3	479.1	480.1	483.9
170°	500.1	496.1	491.1	489.1	487.1	484.1	483.1	485.1	483.1	484.1	487.1
172.5°	499.3	496.1	491.9	490.7	489.5	487.3	487.1	488.3	487.1	487.3	489.5
175°	497.1	495.1	493.1	492.1	492.1	490.1	491.1	492.1	491.1	490.1	492.1
177.5°	495.5	493.9	493.1	493.1	493.1	492.3	493.1	493.9	493.1	492.3	493.1
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1562.5	1555.4	1550.5	1539.6	1532.6	1524.9	1517.3	1522.2	1521.7	1521.1	1521.1
5°	1510.1	1494.4	1480.2	1461.8	1450.2	1435.9	1425.0	1423.7	1426.4	1416.9	1411.4
7.5°	1458.1	1436.7	1416.5	1396.2	1374.7	1357.5	1346.8	1341.7	1334.8	1328.9	1322.8
10°	1421.6	1396.5	1376.7	1351.5	1328.4	1308.0	1295.1	1286.2	1281.4	1276.7	1267.8
12.5°	1384.1	1359.4	1334.3	1305.8	1283.8	1260.1	1250.4	1240.5	1231.4	1226.0	1213.9
15°	1329.1	1297.1	1270.6	1240.6	1216.1	1193.0	1179.4	1159.6	1156.9	1150.1	1137.9
17.5°	1274.0	1239.2	1202.6	1180.5	1152.8	1128.7	1108.0	1101.4	1081.9	1074.6	1063.9
20°	1230.4	1198.4	1170.5	1141.3	1101.1	1078.6	1062.3	1053.5	1037.8	1028.3	1021.5
22.5°	1192.8	1160.3	1128.1	1093.9	1060.8	1035.6	1023.7	1009.9	1001.3	988.0	980.6
25°	1139.2	1103.8	1065.0	1028.3	1004.5	985.4	966.4	954.1	941.9	935.7	922.1
27.5°	1076.9	1039.9	1003.6	975.7	946.5	927.7	910.4	899.5	884.8	874.5	867.0
30°	1042.6	999.0	967.7	942.5	905.1	887.4	874.5	860.9	850.0	839.1	831.6
32.5°	1002.8	963.1	933.4	902.3	873.5	854.2	837.5	825.5	816.2	805.9	798.4
35°	940.5	907.2	876.5	845.2	824.1	804.4	784.7	774.4	765.6	756.1	749.3
37.5°	884.1	853.0	823.9	794.2	768.0	752.0	736.1	728.3	716.3	709.9	703.0
40°	849.3	818.7	787.4	758.8	731.6	719.3	705.0	693.5	682.6	677.8	670.3
42.5°	811.2	780.6	754.2	723.4	701.1	684.5	671.3	658.6	650.5	643.5	639.3
45°	754.7	727.5	701.6	671.0	649.9	635.6	620.6	609.1	601.6	596.8	589.3
47.5°	699.9	672.6	646.4	619.7	599.3	582.9	568.0	559.9	550.0	544.2	539.1
50°	660.1	635.6	607.7	583.2	562.8	546.5	534.2	524.0	515.2	507.7	504.3
52.5°	623.6	597.5	573.4	550.6	529.0	510.5	499.4	488.6	482.0	473.4	469.4
55°	563.5	538.3	517.9	495.4	474.3	458.7	445.1	435.5	428.7	419.2	413.8
57.5°	507.0	484.4	460.0	440.6	418.8	405.6	394.3	381.4	373.1	365.6	360.3
60°	468.9	443.0	421.9	403.6	384.5	367.5	357.3	347.1	338.2	330.7	326.0
62.5°	429.1	406.6	386.5	366.5	349.1	334.3	322.4	313.9	306.1	301.3	296.6
65°	368.2	350.5	330.1	313.7	297.4	286.5	277.0	269.5	264.0	260.6	256.6
67.5°	312.1	294.9	277.1	261.1	250.2	241.9	235.6	229.2	226.5	222.1	219.4
70°	275.6	257.9	242.3	230.0	219.1	213.0	208.9	204.2	201.4	196.0	193.3
72.5°	235.9	223.1	211.8	201.7	193.0	187.4	182.2	176.4	172.0	166.0	163.3
75°	185.8	174.2	165.4	158.6	153.1	145.6	138.1	132.0	130.0	127.9	127.3
77.5°	137.6	130.3	123.9	118.1	111.3	105.9	104.3	102.9	102.5	101.4	101.4
80°	108.2	101.4	96.6	89.8	85.7	85.7	85.7	84.4	85.1	85.1	85.1
82.5°	80.4	74.2	71.6	69.1	68.3	68.9	68.9	69.1	68.7	69.8	69.3
85°	41.5	42.2	43.6	42.9	43.6	43.6	44.9	44.2	44.9	43.6	44.9
87.5°	17.4	19.5	20.6	21.8	22.9	23.0	23.3	23.5	24.2	24.4	24.8
90°	11.0	13.0	16.0	19.0	22.0	25.0	24.0	25.0	26.0	27.0	28.9
92.5°	42.9	57.7	83.8	126.8	168.9	153.5	115.8	84.0	66.7	58.9	53.7
95°	90.8	129.8	214.6	363.3	527.0	591.9	480.1	359.3	243.6	190.7	154.7
97.5°	107.8	149.9	231.0	398.7	671.6	917.3	981.4	895.8	717.5	588.7	469.3
100°	119.8	158.7	228.6	376.3	638.8	945.3	1141.9	1176.9	1096.0	979.2	837.5
102.5°	133.4	169.1	231.8	357.1	590.9	893.4	1149.9	1270.3	1267.7	1199.6	1109.8
105°	155.7	186.7	240.6	343.4	532.0	802.5	1089.0	1297.6	1397.5	1416.4	1390.5
107.5°	180.9	209.6	256.9	342.4	494.5	722.3	982.4	1219.0	1381.1	1468.5	1504.1
110°	197.6	225.6	270.5	346.4	480.1	676.8	915.3	1143.9	1327.6	1453.3	1523.2



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	215.2	242.4	284.1	354.4	472.1	646.4	857.0	1069.6	1257.3	1398.2	1488.1
115°	241.6	268.5	306.4	367.3	469.1	613.9	786.6	971.2	1144.9	1291.6	1400.4
117.5°	267.7	292.7	330.2	384.5	470.9	594.7	744.0	900.0	1049.9	1181.6	1292.0
120°	284.5	309.4	345.4	397.3	474.1	585.9	721.7	862.4	997.2	1117.0	1217.8
122.5°	299.7	326.2	361.3	409.3	479.7	580.3	703.3	832.9	954.9	1065.9	1159.5
125°	322.4	349.4	384.3	428.2	488.1	573.0	679.8	793.6	902.4	998.2	1078.0
127.5°	343.6	370.5	404.3	443.8	497.7	569.4	659.0	759.2	856.2	942.7	1015.3
130°	356.3	383.3	416.2	454.2	504.1	567.0	647.8	737.7	827.5	908.3	976.2
132.5°	368.3	394.5	426.6	463.8	508.9	566.2	637.4	717.7	800.3	875.6	940.3
135°	384.3	411.2	442.2	476.1	516.1	565.0	623.9	690.7	761.6	826.5	883.4
137.5°	398.3	423.2	453.0	485.3	520.8	562.8	612.1	666.2	724.3	780.2	829.5
140°	406.3	431.2	460.2	490.1	524.0	562.0	604.9	651.8	702.7	750.6	793.6
142.5°	414.2	437.6	465.8	494.9	526.4	560.4	598.5	638.2	682.0	723.5	760.8
145°	424.2	447.2	473.1	500.1	528.0	558.0	589.9	621.9	654.8	686.7	715.7
147.5°	435.8	455.4	479.1	503.3	528.0	554.2	581.5	608.5	634.6	660.4	681.0
150°	442.2	460.2	483.1	504.1	528.0	551.0	575.9	598.9	621.9	642.8	661.8
152.5°	448.6	465.8	485.5	505.7	525.6	547.0	569.6	590.1	609.9	628.5	644.2
155°	459.2	473.1	490.1	506.1	523.0	540.0	560.0	576.9	592.9	607.9	619.9
157.5°	468.3	479.1	492.7	507.1	519.7	533.8	549.2	563.0	576.3	587.9	597.3
160°	473.1	483.1	495.1	507.1	518.1	529.0	542.0	555.0	566.0	575.9	582.9
162.5°	477.1	485.5	495.9	506.3	514.9	524.2	534.8	545.4	554.8	564.0	570.2
165°	482.1	489.1	497.1	504.1	510.1	517.1	525.0	533.0	539.0	546.0	551.0
167.5°	486.7	491.1	496.9	502.5	505.3	509.9	515.7	522.2	526.8	530.8	534.4
170°	489.1	491.1	496.1	500.1	502.1	505.1	510.1	515.1	518.1	522.0	524.0
172.5°	490.7	491.9	496.1	499.3	499.7	501.1	504.5	508.7	510.9	514.1	515.3
175°	492.1	493.1	495.1	497.1	496.1	496.1	498.1	500.1	501.1	503.1	503.1
177.5°	493.1	493.1	493.9	495.5	493.9	493.1	493.9	494.7	495.5	496.3	496.3
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1514.6	1514.0	1514.6	1512.4	1514.6	1514.0	1514.6	1521.1	1521.1	1521.7	1522.2
5°	1409.4	1408.7	1406.7	1400.5	1406.7	1408.7	1409.4	1411.4	1416.9	1426.4	1423.7
7.5°	1317.5	1316.6	1310.6	1310.7	1310.6	1316.6	1317.5	1322.8	1328.9	1334.8	1341.7
10°	1263.1	1263.7	1255.6	1250.8	1255.6	1263.7	1263.1	1267.8	1276.7	1281.4	1286.2
12.5°	1210.3	1207.1	1200.6	1195.3	1200.6	1207.1	1210.3	1213.9	1226.0	1231.4	1240.5
15°	1140.6	1133.8	1117.4	1118.8	1117.4	1133.8	1140.6	1137.9	1150.1	1156.9	1159.6
17.5°	1058.5	1053.5	1053.2	1043.7	1053.2	1053.5	1058.5	1063.9	1074.6	1081.9	1101.4
20°	1010.6	1007.2	1008.5	999.0	1008.5	1007.2	1010.6	1021.5	1028.3	1037.8	1053.5
22.5°	973.0	969.6	963.9	960.9	963.9	969.6	973.0	980.6	988.0	1001.3	1009.9
25°	918.0	912.6	907.2	910.6	907.2	912.6	918.0	922.1	935.7	941.9	954.1
27.5°	863.1	859.0	853.5	852.8	853.5	859.0	863.1	867.0	874.5	884.8	899.5
30°	828.2	824.1	821.4	818.0	821.4	824.1	828.2	831.6	839.1	850.0	860.9
32.5°	792.8	792.0	787.1	786.4	787.1	792.0	792.8	798.4	805.9	816.2	825.5
35°	746.5	742.5	741.1	741.8	741.1	742.5	746.5	749.3	756.1	765.6	774.4
37.5°	702.6	697.1	694.7	692.2	694.7	697.1	702.6	703.0	709.9	716.3	728.3
40°	671.0	665.6	664.2	662.8	664.2	665.6	671.0	670.3	677.8	682.6	693.5
42.5°	635.6	633.4	632.6	630.2	632.6	633.4	635.6	639.3	643.5	650.5	658.6
45°	587.3	586.6	582.5	583.9	582.5	586.6	587.3	589.3	596.8	601.6	609.1
47.5°	536.4	533.4	530.5	532.4	530.5	533.4	536.4	539.1	544.2	550.0	559.9
50°	501.6	500.2	494.1	495.4	494.1	500.2	501.6	504.3	507.7	515.2	524.0
52.5°	466.7	461.5	459.2	458.4	459.2	461.5	466.7	469.4	473.4	482.0	488.6
55°	409.0	402.9	400.2	398.8	400.2	402.9	409.0	413.8	419.2	428.7	435.5
57.5°	352.4	350.7	348.6	350.1	348.6	350.7	352.4	360.3	365.6	373.1	381.4
60°	319.2	319.2	319.2	318.5	319.2	319.2	319.2	326.0	330.7	338.2	347.1
62.5°	293.6	291.9	291.4	292.4	291.4	291.9	293.6	296.6	301.3	306.1	313.9
65°	254.5	253.8	251.1	250.4	251.1	253.8	254.5	256.6	260.6	264.0	269.5
67.5°	217.6	215.2	214.4	213.4	214.4	215.2	217.6	219.4	222.1	226.5	229.2
70°	189.9	188.5	184.4	185.1	184.4	188.5	189.9	193.3	196.0	201.4	204.2
72.5°	159.9	158.6	157.7	156.8	157.7	158.6	159.9	163.3	166.0	172.0	176.4
75°	126.6	125.9	125.2	127.9	125.2	125.9	126.6	127.3	127.9	130.0	132.0
77.5°	101.4	101.4	101.8	100.7	101.8	101.4	101.4	101.4	101.4	102.5	102.9
80°	85.1	85.1	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	84.4
82.5°	68.2	68.7	69.1	68.1	69.1	68.7	68.2	69.3	69.8	68.7	69.1
85°	44.9	44.2	45.6	44.9	45.6	44.2	44.9	44.9	43.6	44.9	44.2
87.5°	25.7	24.8	25.0	25.4	25.0	24.8	25.7	24.8	24.4	24.2	23.5
90°	27.9	28.9	29.9	28.9	29.9	28.9	27.9	28.9	27.0	26.0	25.0
92.5°	51.9	48.9	49.9	48.1	49.9	48.9	51.9	53.7	58.9	66.7	84.0
95°	135.8	126.8	119.8	115.8	119.8	126.8	135.8	154.7	190.7	243.6	359.3
97.5°	395.7	350.8	323.8	315.2	323.8	350.8	395.7	469.3	588.7	717.5	895.8
100°	736.7	663.8	624.9	625.9	624.9	663.8	736.7	837.5	979.2	1096.0	1176.9
102.5°	1031.3	973.6	941.1	918.1	941.1	973.6	1031.3	1109.8	1199.6	1267.7	1270.3
105°	1344.5	1306.6	1274.7	1269.7	1274.7	1306.6	1344.5	1390.5	1416.4	1397.5	1297.6
107.5°	1504.9	1492.1	1481.3	1472.1	1481.3	1492.1	1504.9	1504.1	1468.5	1381.1	1219.0
110°	1551.2	1559.2	1557.2	1555.2	1557.2	1559.2	1551.2	1523.2	1453.3	1327.6	1143.9



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1539.2	1563.9	1571.5	1571.9	1571.5	1563.9	1539.2	1488.1	1398.2	1257.3	1069.6
115°	1475.3	1519.2	1539.2	1544.2	1539.2	1519.2	1475.3	1400.4	1291.6	1144.9	971.2
117.5°	1370.1	1420.4	1449.2	1455.9	1449.2	1420.4	1370.1	1292.0	1181.6	1049.9	900.0
120°	1296.6	1352.5	1376.5	1382.5	1376.5	1352.5	1296.6	1217.8	1117.0	997.2	862.4
122.5°	1229.6	1279.9	1306.2	1313.8	1306.2	1279.9	1229.6	1159.5	1065.9	954.9	832.9
125°	1141.9	1185.8	1210.8	1217.8	1210.8	1185.8	1141.9	1078.0	998.2	902.4	793.6
127.5°	1072.2	1109.8	1132.3	1138.7	1132.3	1109.8	1072.2	1015.3	942.7	856.2	759.2
130°	1029.1	1065.1	1086.0	1094.0	1086.0	1065.1	1029.1	976.2	908.3	827.5	737.7
132.5°	990.0	1025.9	1044.5	1050.1	1044.5	1025.9	990.0	940.3	875.6	800.3	717.7
135°	932.3	962.2	980.2	987.2	980.2	962.2	932.3	883.4	826.5	761.6	690.7
137.5°	870.6	901.0	916.1	920.7	916.1	901.0	870.6	829.5	780.2	724.3	666.2
140°	831.5	859.4	875.4	874.4	875.4	859.4	831.5	793.6	750.6	702.7	651.8
142.5°	793.2	817.9	832.3	831.3	832.3	817.9	793.2	760.8	723.5	682.0	638.2
145°	740.6	761.6	769.6	771.6	769.6	761.6	740.6	715.7	686.7	654.8	621.9
147.5°	699.9	714.1	721.7	722.5	721.7	714.1	699.9	681.0	660.4	634.6	608.5
150°	676.8	687.7	693.7	693.7	693.7	687.7	676.8	661.8	642.8	621.9	598.9
152.5°	656.0	666.2	669.8	669.8	669.8	666.2	656.0	644.2	628.5	609.9	590.1
155°	628.9	636.8	638.8	639.8	638.8	636.8	628.9	619.9	607.9	592.9	576.9
157.5°	605.1	611.1	612.7	612.5	612.7	611.1	605.1	597.3	587.9	576.3	563.0
160°	589.9	595.9	595.9	594.9	595.9	595.9	589.9	582.9	575.9	566.0	555.0
162.5°	574.8	579.9	579.9	578.9	579.9	579.9	574.8	570.2	564.0	554.8	545.4
165°	555.0	559.0	558.0	558.0	558.0	559.0	555.0	551.0	546.0	539.0	533.0
167.5°	536.2	539.0	538.0	538.0	538.0	539.0	536.2	534.4	530.8	526.8	522.2
170°	525.0	527.0	526.0	526.0	526.0	527.0	525.0	524.0	522.0	518.1	515.1
172.5°	515.5	517.5	515.7	514.9	515.7	517.5	515.5	515.3	514.1	510.9	508.7
175°	503.1	504.1	503.1	502.1	503.1	504.1	503.1	503.1	503.1	501.1	500.1
177.5°	495.5	496.3	494.7	494.7	494.7	496.3	495.5	496.3	496.3	495.5	494.7
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1517.3	1524.9	1532.6	1539.6	1550.5	1555.4	1562.5	1565.2	1573.4	1585.4	1595.2
5°	1425.0	1435.9	1450.2	1461.8	1480.2	1494.4	1510.1	1525.1	1542.8	1567.9	1590.4
7.5°	1346.8	1357.5	1374.7	1396.2	1416.5	1436.7	1458.1	1478.5	1503.8	1539.9	1575.7
10°	1295.1	1308.0	1328.4	1351.5	1376.7	1396.5	1421.6	1447.5	1478.8	1520.3	1563.2
12.5°	1250.4	1260.1	1283.8	1305.8	1334.3	1359.4	1384.1	1414.3	1449.9	1494.2	1545.8
15°	1179.4	1193.0	1216.1	1240.6	1270.6	1297.1	1329.1	1365.8	1400.5	1455.0	1517.6
17.5°	1108.0	1128.7	1152.8	1180.5	1202.6	1239.2	1274.0	1311.7	1354.4	1412.1	1480.8
20°	1062.3	1078.6	1101.1	1141.3	1170.5	1198.4	1230.4	1277.4	1316.8	1382.2	1453.6
22.5°	1023.7	1035.6	1060.8	1093.9	1128.1	1160.3	1192.8	1237.6	1286.3	1348.4	1425.9
25°	966.4	985.4	1004.5	1028.3	1065.0	1103.8	1139.2	1177.3	1229.0	1295.1	1378.8
27.5°	910.4	927.7	946.5	975.7	1003.6	1039.9	1076.9	1120.6	1176.1	1245.9	1330.8
30°	874.5	887.4	905.1	942.5	967.7	999.0	1042.6	1081.4	1133.1	1207.3	1297.1
32.5°	837.5	854.2	873.5	902.3	933.4	963.1	1002.8	1044.9	1097.7	1170.8	1262.8
35°	784.7	804.4	824.1	845.2	876.5	907.2	940.5	986.8	1040.5	1111.3	1201.8
37.5°	736.1	752.0	768.0	794.2	823.9	853.0	884.1	929.7	980.4	1056.7	1139.8
40°	705.0	719.3	731.6	758.8	787.4	818.7	849.3	889.5	943.9	1015.4	1095.7
42.5°	671.3	684.5	701.1	723.4	754.2	780.6	811.2	849.2	900.3	972.9	1043.4
45°	620.6	635.6	649.9	671.0	701.6	727.5	754.7	790.8	843.2	903.1	965.7
47.5°	568.0	582.9	599.3	619.7	646.4	672.6	699.9	731.8	779.6	838.4	880.6
50°	534.2	546.5	562.8	583.2	607.7	635.6	660.1	694.8	740.4	786.7	823.4
52.5°	499.4	510.5	529.0	550.6	573.4	597.5	623.6	653.4	694.7	738.2	767.4
55°	445.1	458.7	474.3	495.4	517.9	538.3	563.5	594.1	626.8	659.4	679.2
57.5°	394.3	405.6	418.8	440.6	460.0	484.4	507.0	530.8	561.0	585.7	598.6
60°	357.3	367.5	384.5	403.6	421.9	443.0	468.9	492.7	515.8	535.6	545.8
62.5°	322.4	334.3	349.1	366.5	386.5	406.6	429.1	449.2	469.6	486.6	493.5
65°	277.0	286.5	297.4	313.7	330.1	350.5	368.2	388.6	403.6	413.1	419.2
67.5°	235.6	241.9	250.2	261.1	277.1	294.9	312.1	328.0	340.5	347.1	352.5
70°	208.9	213.0	219.1	230.0	242.3	257.9	275.6	287.2	298.1	303.5	309.0
72.5°	182.2	187.4	193.0	201.7	211.8	223.1	235.9	250.2	256.2	262.7	266.0
75°	138.1	145.6	153.1	158.6	165.4	174.2	185.8	194.6	198.0	203.5	204.2
77.5°	104.3	105.9	111.3	118.1	123.9	130.3	137.6	145.5	147.1	150.0	151.8
80°	85.7	85.7	85.7	89.8	96.6	101.4	108.2	112.3	115.0	115.7	116.4
82.5°	68.9	68.9	68.3	69.1	71.6	74.2	80.4	85.1	87.2	86.8	85.3
85°	44.9	43.6	43.6	42.9	43.6	42.2	41.5	44.2	48.3	48.3	47.0
87.5°	23.3	23.0	22.9	21.8	20.6	19.5	17.4	17.6	17.0	18.8	17.8
90°	24.0	25.0	22.0	19.0	16.0	13.0	11.0	9.0	6.0	4.0	2.0
92.5°	115.8	153.5	168.9	126.8	83.8	57.7	42.9	34.5	26.8	18.4	12.4
95°	480.1	591.9	527.0	363.3	214.6	129.8	90.8	64.9	47.9	36.9	33.9
97.5°	981.4	917.3	671.6	398.7	231.0	149.9	107.8	82.2	67.5	58.9	57.9
100°	1141.9	945.3	638.8	376.3	228.6	158.7	119.8	95.8	81.9	74.9	73.9
102.5°	1149.9	893.4	590.9	357.1	231.8	169.1	133.4	111.8	98.6	92.4	90.6
105°	1089.0	802.5	532.0	343.4	240.6	186.7	155.7	136.8	124.8	118.8	115.8
107.5°	982.4	722.3	494.5	342.4	256.9	209.6	180.9	163.1	151.3	145.5	142.5
110°	915.3	676.8	480.1	346.4	270.5	225.6	197.6	180.7	169.7	164.7	161.7



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	857.0	646.4	472.1	354.4	284.1	242.4	215.2	198.2	187.3	182.3	179.3
115°	786.6	613.9	469.1	367.3	306.4	268.5	241.6	224.6	214.6	208.6	204.6
117.5°	744.0	594.7	470.9	384.5	330.2	292.7	267.7	248.7	239.6	234.6	230.0
120°	721.7	585.9	474.1	397.3	345.4	309.4	284.5	265.5	255.5	250.5	247.5
122.5°	703.3	580.3	479.7	409.3	361.3	326.2	299.7	281.5	270.7	265.7	262.7
125°	679.8	573.0	488.1	428.2	384.3	349.4	322.4	303.4	292.5	286.5	284.5
127.5°	659.0	569.4	497.7	443.8	404.3	370.5	343.6	322.6	311.4	304.0	301.1
130°	647.8	567.0	504.1	454.2	416.2	383.3	356.3	335.4	323.4	314.4	311.4
132.5°	637.4	566.2	508.9	463.8	426.6	394.5	368.3	347.4	333.0	323.2	319.4
135°	623.9	565.0	516.1	476.1	442.2	411.2	384.3	363.3	348.4	337.4	333.4
137.5°	612.1	562.8	520.8	485.3	453.0	423.2	398.3	377.5	361.5	350.8	346.6
140°	604.9	562.0	524.0	490.1	460.2	431.2	406.3	386.3	370.3	360.3	355.4
142.5°	598.5	560.4	526.4	494.9	465.8	437.6	414.2	394.3	379.9	369.1	364.9
145°	589.9	558.0	528.0	500.1	473.1	447.2	424.2	407.3	392.3	383.3	380.3
147.5°	581.5	554.2	528.0	503.3	479.1	455.4	435.8	419.4	406.5	397.7	395.9
150°	575.9	551.0	528.0	504.1	483.1	460.2	442.2	428.2	415.2	407.3	406.3
152.5°	569.6	547.0	525.6	505.7	485.5	465.8	448.6	436.2	424.8	416.8	416.6
155°	560.0	540.0	523.0	506.1	490.1	473.1	459.2	448.2	438.2	432.2	432.2
157.5°	549.2	533.8	519.7	507.1	492.7	479.1	468.3	459.0	450.2	445.4	444.6
160°	542.0	529.0	518.1	507.1	495.1	483.1	473.1	466.1	458.2	454.2	454.2
162.5°	534.8	524.2	514.9	506.3	495.9	485.5	477.1	470.9	464.6	461.4	461.4
165°	525.0	517.1	510.1	504.1	497.1	489.1	482.1	478.1	473.1	471.1	472.1
167.5°	515.7	509.9	505.3	502.5	496.9	491.1	486.7	483.9	480.1	479.1	480.3
170°	510.1	505.1	502.1	500.1	496.1	491.1	489.1	487.1	484.1	483.1	485.1
172.5°	504.5	501.1	499.7	499.3	496.1	491.9	490.7	489.5	487.3	487.1	488.3
175°	498.1	496.1	496.1	497.1	495.1	493.1	492.1	492.1	490.1	491.1	492.1
177.5°	493.9	493.1	493.9	495.5	493.9	493.1	493.1	493.1	492.3	493.1	493.9
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1598.4	1604.4	1612.0	1623.5	1632.2	1639.8	1641.4	1643.6	1649.1	1658.3	1665.4
5°	1608.8	1624.4	1649.6	1674.1	1700.7	1722.4	1742.8	1757.1	1770.7	1799.3	1822.5
7.5°	1605.5	1640.4	1679.8	1723.8	1768.3	1811.4	1851.5	1887.3	1922.9	1964.6	2012.1
10°	1603.3	1644.2	1697.2	1753.7	1815.7	1876.2	1934.8	1980.4	2033.4	2081.1	2141.6
12.5°	1593.0	1651.8	1715.2	1787.5	1863.6	1933.4	2010.4	2073.4	2134.2	2203.0	2273.4
15°	1579.5	1651.0	1731.3	1827.2	1942.9	2027.3	2106.2	2215.8	2290.7	2365.5	2466.3
17.5°	1554.9	1642.1	1742.4	1867.1	1963.6	2077.0	2195.8	2282.4	2383.2	2488.7	2579.9
20°	1535.3	1636.7	1749.0	1871.5	1994.6	2117.8	2232.8	2336.3	2440.4	2562.2	2637.1
22.5°	1515.7	1616.0	1732.6	1862.8	1995.2	2124.9	2255.1	2376.6	2493.7	2616.6	2712.2
25°	1474.0	1593.1	1719.7	1852.4	1983.1	2126.0	2281.1	2416.6	2561.5	2688.1	2778.6
27.5°	1431.8	1541.0	1667.0	1801.6	1946.9	2115.8	2298.3	2452.2	2597.5	2688.1	2716.6
30°	1393.7	1509.4	1625.1	1761.9	1919.1	2107.6	2301.6	2477.8	2596.9	2636.4	2607.1
32.5°	1355.1	1459.9	1574.5	1714.5	1881.5	2087.5	2305.9	2462.6	2534.3	2504.1	2385.0
35°	1286.9	1381.5	1492.4	1632.6	1824.5	2076.3	2288.0	2394.1	2376.4	2206.3	1981.7
37.5°	1213.9	1291.0	1393.7	1540.3	1765.4	2032.1	2210.6	2226.3	2073.2	1812.0	1552.6
40°	1156.2	1225.6	1331.1	1484.2	1719.7	1988.5	2132.8	2069.5	1832.0	1541.4	1325.0
42.5°	1100.1	1158.7	1260.3	1425.4	1676.2	1929.2	2016.8	1879.0	1605.0	1330.2	1133.4
45°	1005.1	1060.3	1162.3	1331.8	1587.0	1815.7	1804.1	1564.5	1290.3	1069.1	905.8
47.5°	915.0	963.2	1059.0	1232.0	1482.3	1645.5	1537.3	1282.4	1049.8	872.3	755.8
50°	851.3	899.0	994.3	1165.1	1398.5	1517.6	1363.1	1117.4	904.4	757.4	664.9
52.5°	790.4	836.9	924.0	1090.5	1297.2	1368.4	1202.5	974.8	797.2	670.3	590.8
55°	705.0	740.4	818.7	977.9	1132.4	1148.7	980.6	790.1	643.8	555.3	500.9
57.5°	618.1	648.5	725.9	852.7	961.0	952.6	793.2	628.4	529.9	464.1	424.7
60°	561.4	591.4	659.4	768.3	850.0	821.4	675.1	542.4	458.0	409.7	378.4
62.5°	508.6	532.0	595.7	675.2	734.0	701.6	577.1	467.3	400.3	359.6	334.8
65°	432.1	451.2	502.2	543.7	576.4	545.1	441.7	365.4	317.1	288.5	271.5
67.5°	359.5	371.6	403.8	418.8	441.8	407.5	332.1	281.1	253.6	229.5	217.6
70°	313.7	322.6	339.6	351.8	358.0	322.6	266.8	229.3	206.2	189.2	181.7
72.5°	268.0	275.8	279.2	289.2	286.1	252.9	214.5	184.7	168.1	156.5	146.9
75°	204.8	208.2	204.8	200.8	191.9	168.8	142.2	127.3	115.0	109.6	106.2
77.5°	149.3	148.2	143.6	137.2	122.1	107.5	93.2	88.2	82.9	80.0	78.8
80°	115.0	112.3	108.2	98.0	85.1	74.9	71.5	68.1	66.0	62.6	61.9
82.5°	85.6	84.0	77.2	68.6	59.5	54.7	51.9	50.6	48.6	46.8	46.7
85°	45.6	43.6	36.1	31.3	29.9	28.6	27.9	27.9	25.2	24.5	24.5
87.5°	15.5	12.6	12.7	11.5	11.9	11.4	12.5	12.0	12.1	12.4	11.5
90°	4.0	6.0	9.0	11.0	13.0	16.0	19.0	22.0	25.0	24.0	25.0
92.5°	18.4	26.8	34.5	42.9	57.7	83.8	126.8	168.9	153.5	115.8	84.0
95°	36.9	47.9	64.9	90.8	129.8	214.6	363.3	527.0	591.9	480.1	359.3
97.5°	58.9	67.5	82.2	107.8	149.9	231.0	398.7	671.6	917.3	981.4	895.8
100°	74.9	81.9	95.8	119.8	158.7	228.6	376.3	638.8	945.3	1141.9	1176.9
102.5°	92.4	98.6	111.8	133.4	169.1	231.8	357.1	590.9	893.4	1149.9	1270.3
105°	118.8	124.8	136.8	155.7	186.7	240.6	343.4	532.0	802.5	1089.0	1297.6
107.5°	145.5	151.3	163.1	180.9	209.6	256.9	342.4	494.5	722.3	982.4	1219.0
110°	164.7	169.7	180.7	197.6	225.6	270.5	346.4	480.1	676.8	915.3	1143.9



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	182.3	187.3	198.2	215.2	242.4	284.1	354.4	472.1	646.4	857.0	1069.6
115°	208.6	214.6	224.6	241.6	268.5	306.4	367.3	469.1	613.9	786.6	971.2
117.5°	234.6	239.6	248.7	267.7	292.7	330.2	384.5	470.9	594.7	744.0	900.0
120°	250.5	255.5	265.5	284.5	309.4	345.4	397.3	474.1	585.9	721.7	862.4
122.5°	265.7	270.7	281.5	299.7	326.2	361.3	409.3	479.7	580.3	703.3	832.9
125°	286.5	292.5	303.4	322.4	349.4	384.3	428.2	488.1	573.0	679.8	793.6
127.5°	304.0	311.4	322.6	343.6	370.5	404.3	443.8	497.7	569.4	659.0	759.2
130°	314.4	323.4	335.4	356.3	383.3	416.2	454.2	504.1	567.0	647.8	737.7
132.5°	323.2	333.0	347.4	368.3	394.5	426.6	463.8	508.9	566.2	637.4	717.7
135°	337.4	348.4	363.3	384.3	411.2	442.2	476.1	516.1	565.0	623.9	690.7
137.5°	350.8	361.5	377.5	398.3	423.2	453.0	485.3	520.8	562.8	612.1	666.2
140°	360.3	370.3	386.3	406.3	431.2	460.2	490.1	524.0	562.0	604.9	651.8
142.5°	369.1	379.9	394.3	414.2	437.6	465.8	494.9	526.4	560.4	598.5	638.2
145°	383.3	392.3	407.3	424.2	447.2	473.1	500.1	528.0	558.0	589.9	621.9
147.5°	397.7	406.5	419.4	435.8	455.4	479.1	503.3	528.0	554.2	581.5	608.5
150°	407.3	415.2	428.2	442.2	460.2	483.1	504.1	528.0	551.0	575.9	598.9
152.5°	416.8	424.8	436.2	448.6	465.8	485.5	505.7	525.6	547.0	569.6	590.1
155°	432.2	438.2	448.2	459.2	473.1	490.1	506.1	523.0	540.0	560.0	576.9
157.5°	445.4	450.2	459.0	468.3	479.1	492.7	507.1	519.7	533.8	549.2	563.0
160°	454.2	458.2	466.1	473.1	483.1	495.1	507.1	518.1	529.0	542.0	555.0
162.5°	461.4	464.6	470.9	477.1	485.5	495.9	506.3	514.9	524.2	534.8	545.4
165°	471.1	473.1	478.1	482.1	489.1	497.1	504.1	510.1	517.1	525.0	533.0
167.5°	479.1	480.1	483.9	486.7	491.1	496.9	502.5	505.3	509.9	515.7	522.2
170°	483.1	484.1	487.1	489.1	491.1	496.1	500.1	502.1	505.1	510.1	515.1
172.5°	487.1	487.3	489.5	490.7	491.9	496.1	499.3	499.7	501.1	504.5	508.7
175°	491.1	490.1	492.1	492.1	493.1	495.1	497.1	496.1	496.1	498.1	500.1
177.5°	493.1	492.3	493.1	493.1	493.1	493.9	495.5	493.9	493.1	493.9	494.7
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7	1589.7
2.5°	1676.8	1676.8	1679.0	1687.2	1688.3	1695.3	1693.2
5°	1842.9	1855.8	1860.6	1881.0	1893.2	1898.7	1887.8
7.5°	2046.0	2082.4	2099.7	2121.1	2140.0	2145.7	2130.9
10°	2194.0	2232.1	2264.1	2283.9	2302.2	2314.5	2330.1
12.5°	2337.2	2384.0	2414.4	2442.3	2461.2	2476.7	2479.3
15°	2492.8	2563.6	2617.3	2656.8	2676.5	2686.7	2682.7
17.5°	2649.7	2715.3	2753.6	2793.9	2821.2	2822.6	2823.4
20°	2738.5	2802.4	2846.7	2876.6	2907.2	2905.9	2912.7
22.5°	2797.8	2848.2	2882.1	2903.8	2914.3	2909.1	2910.5
25°	2825.6	2840.5	2834.4	2799.7	2790.9	2758.9	2764.3
27.5°	2682.4	2611.6	2538.4	2444.2	2369.9	2310.5	2313.5
30°	2488.0	2362.8	2219.9	2100.1	1992.6	1962.7	1898.7
32.5°	2216.4	2028.5	1861.1	1749.5	1657.2	1632.2	1576.4
35°	1755.8	1573.4	1401.2	1297.8	1256.9	1199.8	1199.1
37.5°	1364.7	1204.1	1113.1	1035.5	994.8	960.2	956.8
40°	1148.1	1022.8	954.1	898.3	858.2	832.3	826.2
42.5°	996.7	895.4	831.1	796.5	765.6	752.3	742.3
45°	813.9	745.9	700.9	669.6	655.4	645.1	639.7
47.5°	680.8	635.2	604.6	583.8	572.2	561.4	564.3
50°	608.4	571.0	548.5	528.8	519.9	512.4	513.1
52.5°	550.1	516.5	498.4	484.1	473.1	467.8	465.2
55°	466.8	445.7	427.4	417.2	411.0	403.6	401.5
57.5°	398.2	381.9	366.9	355.4	353.9	346.7	347.6
60°	352.5	338.9	326.7	320.5	315.8	309.6	311.7
62.5°	315.0	303.5	292.4	287.3	282.6	278.1	279.0
65°	257.9	247.0	240.2	237.5	235.5	233.4	231.4
67.5°	205.5	198.9	194.6	188.8	184.6	183.9	181.8
70°	172.9	164.0	156.5	149.0	147.0	146.3	147.0
72.5°	138.6	133.0	130.9	127.3	126.9	125.1	126.3
75°	104.1	102.1	100.7	98.0	98.0	98.0	98.0
77.5°	76.8	75.5	74.7	74.2	73.5	72.5	72.4
80°	59.9	59.2	57.8	57.8	57.2	57.8	57.2
82.5°	45.2	45.1	43.7	43.7	43.0	42.6	43.0
85°	23.1	22.5	23.8	22.5	23.1	21.8	23.1
87.5°	11.7	11.9	11.8	11.6	11.2	12.5	11.2
90°	26.0	27.0	28.9	27.9	28.9	29.9	28.9
92.5°	66.7	58.9	53.7	51.9	48.9	49.9	48.1
95°	243.6	190.7	154.7	135.8	126.8	119.8	115.8
97.5°	717.5	588.7	469.3	395.7	350.8	323.8	315.2
100°	1096.0	979.2	837.5	736.7	663.8	624.9	625.9
102.5°	1267.7	1199.6	1109.8	1031.3	973.6	941.1	918.1
105°	1397.5	1416.4	1390.5	1344.5	1306.6	1274.7	1269.7
107.5°	1381.1	1468.5	1504.1	1504.9	1492.1	1481.3	1472.1
110°	1327.6	1453.3	1523.2	1551.2	1559.2	1557.2	1555.2



TEST NUMBER: P332350

CATALOG NUMBER: S123RDIP-S1000D1025U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1257.3	1398.2	1488.1	1539.2	1563.9	1571.5	1571.9
115°	1144.9	1291.6	1400.4	1475.3	1519.2	1539.2	1544.2
117.5°	1049.9	1181.6	1292.0	1370.1	1420.4	1449.2	1455.9
120°	997.2	1117.0	1217.8	1296.6	1352.5	1376.5	1382.5
122.5°	954.9	1065.9	1159.5	1229.6	1279.9	1306.2	1313.8
125°	902.4	998.2	1078.0	1141.9	1185.8	1210.8	1217.8
127.5°	856.2	942.7	1015.3	1072.2	1109.8	1132.3	1138.7
130°	827.5	908.3	976.2	1029.1	1065.1	1086.0	1094.0
132.5°	800.3	875.6	940.3	990.0	1025.9	1044.5	1050.1
135°	761.6	826.5	883.4	932.3	962.2	980.2	987.2
137.5°	724.3	780.2	829.5	870.6	901.0	916.1	920.7
140°	702.7	750.6	793.6	831.5	859.4	875.4	874.4
142.5°	682.0	723.5	760.8	793.2	817.9	832.3	831.3
145°	654.8	686.7	715.7	740.6	761.6	769.6	771.6
147.5°	634.6	660.4	681.0	699.9	714.1	721.7	722.5
150°	621.9	642.8	661.8	676.8	687.7	693.7	693.7
152.5°	609.9	628.5	644.2	656.0	666.2	669.8	669.8
155°	592.9	607.9	619.9	628.9	636.8	638.8	639.8
157.5°	576.3	587.9	597.3	605.1	611.1	612.7	612.5
160°	566.0	575.9	582.9	589.9	595.9	595.9	594.9
162.5°	554.8	564.0	570.2	574.8	579.9	579.9	578.9
165°	539.0	546.0	551.0	555.0	559.0	558.0	558.0
167.5°	526.8	530.8	534.4	536.2	539.0	538.0	538.0
170°	518.1	522.0	524.0	525.0	527.0	526.0	526.0
172.5°	510.9	514.1	515.3	515.5	517.5	515.7	514.9
175°	501.1	503.1	503.1	503.1	504.1	503.1	502.1
177.5°	495.5	496.3	496.3	495.5	496.3	494.7	494.7
180°	493.1	493.1	493.1	493.1	493.1	493.1	493.1

(END OF REPORT)