

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: P332618

Luminaire Tested: **S124DIP-S795D1205U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332618
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S795D1205U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7847.1 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

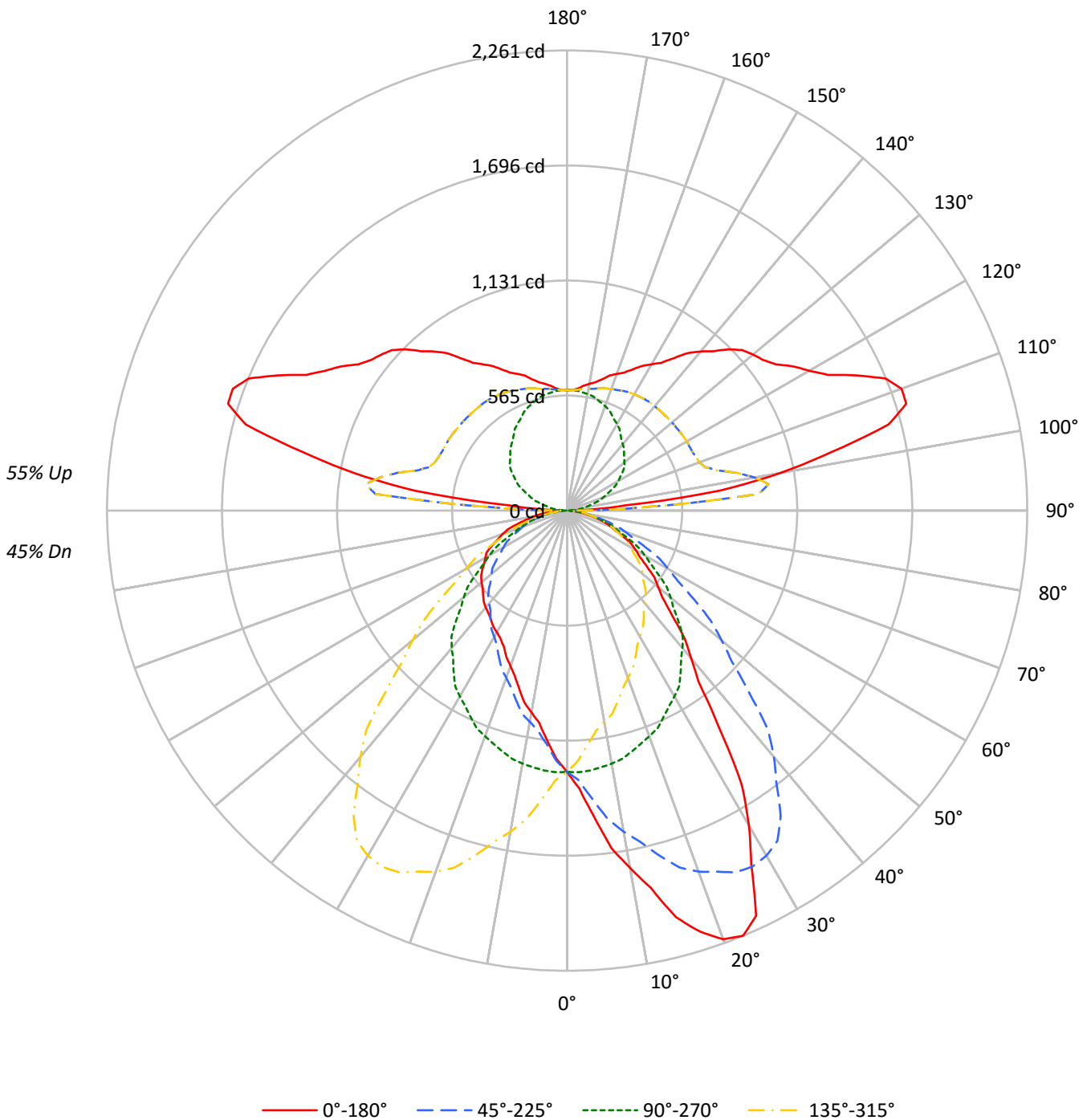
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38				
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	33	29	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	19				
7	58	46	38	33	53	42	35	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10365	10365	10365	10365
5°	12206	10391	9172	10391
10°	14614	10346	8257	10346
15°	17291	10242	7583	10242
20°	19254	10134	6981	10134
25°	19565	9977	6566	9977
30°	16648	9826	6435	9826
35°	12799	9581	6436	9581
40°	9977	9293	6558	9293
45°	8318	8859	6667	8859
50°	7321	8329	6894	8329
55°	6707	7695	7171	7695
60°	6286	7127	7505	7127
65°	5851	6491	7782	6491
70°	5349	5863	7959	5863
75°	4779	5159	7863	5159
80°	4007	4226	7615	4226
85°	2955	3057	7290	3057



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	1.6
10°-20°	385.5	4.9
20°-30°	611.3	7.8
30°-40°	680.3	8.7
40°-50°	619.3	7.9
50°-60°	506.1	6.4
60°-70°	361.3	4.6
70°-80°	198.9	2.5
80°-90°	57.6	0.7
90°-100°	427.2	5.4
100°-110°	889.1	11.3
110°-120°	796.4	10.1
120°-130°	669.9	8.5
130°-140°	558.5	7.1
140°-150°	426.7	5.4
150°-160°	299.9	3.8
160°-170°	176.4	2.2
170°-180°	57.4	0.7
0°-30°	1121.9	14.3
0°-40°	1802.3	23.0
0°-60°	2927.7	37.3
0°-90°	3545.5	45.2
90°-120°	2112.7	26.9
90°-150°	3767.8	48.0
90°-180°	4302.0	54.8
0°-180°	7847.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1506	1282	1132	1282	1506	153
15°	2069	1225	907	1225	2069	585
25°	2196	1120	737	1120	2196	968
35°	1299	972	653	972	1299	824
45°	729	776	584	776	729	574
55°	476	547	510	547	476	430
65°	306	340	407	340	306	303
75°	153	165	252	165	153	163
85°	32	33	79	33	32	40
90°	24	1	24	1	24	21
95°	284	38	284	38	284	440
105°	1635	136	1635	136	1635	1616
115°	1570	239	1570	239	1570	1558
125°	1253	334	1253	334	1253	1138
135°	1120	396	1120	396	1120	865
145°	914	457	914	457	914	580
155°	766	519	766	519	766	357
165°	668	566	668	566	668	191
175°	602	590	602	590	602	59
180°	592	592	592	592	592	



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1366.4	1366.0	1361.7	1360.9	1357.9	1354.1	1353.2	1346.4	1332.8	1326.4	1324.7
5°	1506.2	1516.8	1503.0	1500.3	1498.7	1481.2	1472.1	1461.5	1437.0	1422.7	1411.5
7.5°	1673.0	1674.2	1668.2	1663.3	1649.8	1634.4	1611.5	1587.0	1557.9	1527.5	1504.7
10°	1782.7	1787.0	1780.1	1779.0	1751.9	1734.9	1700.8	1672.1	1639.1	1602.4	1568.9
12.5°	1898.5	1892.5	1889.0	1866.2	1861.2	1830.2	1790.6	1761.0	1710.2	1668.0	1623.4
15°	2068.9	2057.2	2049.7	2018.3	2002.9	1959.8	1917.8	1885.4	1818.9	1755.6	1707.7
17.5°	2168.8	2180.5	2163.3	2150.4	2110.5	2080.3	2037.4	1969.3	1917.3	1838.7	1778.3
20°	2241.2	2242.2	2232.7	2219.4	2188.0	2149.7	2102.9	2028.4	1966.2	1888.0	1805.1
22.5°	2260.7	2261.0	2256.9	2244.5	2220.7	2189.7	2142.5	2080.3	2004.9	1919.9	1837.0
25°	2196.5	2194.4	2199.2	2213.0	2203.9	2194.4	2167.2	2121.0	2050.8	1960.9	1871.5
27.5°	1957.8	1972.5	1999.5	2033.5	2066.3	2091.3	2098.3	2088.8	2045.3	1971.4	1877.8
30°	1785.9	1804.0	1824.2	1858.2	1924.2	1962.0	2003.4	2034.8	2017.3	1958.2	1871.0
32.5°	1597.0	1601.5	1631.5	1670.2	1730.6	1803.3	1869.0	1932.7	1953.9	1922.9	1850.2
35°	1298.7	1306.2	1338.6	1376.9	1450.9	1539.7	1638.6	1726.9	1799.7	1829.0	1791.8
37.5°	1059.8	1081.2	1104.1	1145.3	1210.4	1290.3	1393.1	1507.3	1615.9	1688.7	1701.0
40°	946.7	960.0	976.5	1007.8	1063.1	1141.9	1230.1	1361.0	1476.4	1580.6	1614.7
42.5°	857.3	865.1	875.2	903.6	945.7	1024.0	1104.6	1219.7	1335.6	1460.2	1517.2
45°	728.6	736.6	753.6	770.1	802.0	856.3	931.2	1025.9	1142.4	1262.6	1367.9
47.5°	635.7	640.8	650.9	668.5	695.6	731.4	792.4	871.5	979.4	1096.1	1208.3
50°	582.9	587.1	595.1	611.1	631.8	663.7	713.7	787.7	872.2	989.8	1099.8
52.5°	541.2	542.9	548.8	559.6	576.1	602.9	643.9	705.1	783.7	888.5	998.2
55°	476.5	478.7	484.0	492.0	506.3	523.3	554.7	600.4	669.1	760.0	855.2
57.5°	423.3	424.8	429.3	432.4	444.2	458.0	482.2	514.8	566.8	643.9	728.9
60°	389.3	388.2	393.6	396.2	404.2	415.9	434.5	465.9	511.1	573.3	651.5
62.5°	356.1	354.6	359.1	362.6	367.2	377.2	392.4	417.0	453.7	509.9	577.5
65°	306.3	304.2	306.9	311.1	315.4	320.7	331.9	353.7	382.9	423.3	474.9
67.5°	256.3	258.6	259.0	261.1	263.6	270.8	278.5	293.9	314.5	346.9	390.6
70°	226.6	227.1	229.2	229.2	230.8	237.2	243.6	252.6	272.8	302.6	338.2
72.5°	196.8	199.0	198.2	199.9	201.0	205.3	210.0	218.6	235.8	257.9	288.0
75°	153.2	154.8	154.8	155.3	156.9	158.5	162.2	168.6	180.8	197.3	218.1
77.5°	111.7	111.9	112.6	114.6	114.6	117.1	119.9	125.0	131.0	142.3	155.0
80°	86.2	87.2	86.7	87.8	87.8	89.9	90.9	97.3	100.0	107.4	117.5
82.5°	63.2	64.2	64.1	65.6	66.5	66.9	68.4	70.9	73.6	80.2	84.3
85°	31.9	33.0	31.9	33.0	34.6	35.1	36.7	37.2	39.4	41.0	44.7
87.5°	14.2	15.5	15.7	15.9	16.6	17.0	17.2	16.5	18.0	18.6	19.9
90°	24.4	24.4	25.6	24.4	23.2	23.2	22.1	20.9	19.8	20.9	18.6
92.5°	89.5	89.5	93.4	99.7	113.4	136.7	171.7	228.2	307.0	368.6	322.6
95°	283.5	298.6	319.6	355.6	412.5	525.2	680.9	861.0	973.8	947.0	714.6
97.5°	757.9	782.0	816.9	886.8	970.3	1091.6	1205.2	1272.2	1223.4	997.5	668.8
100°	1065.6	1074.9	1109.7	1180.6	1281.7	1367.7	1424.6	1401.4	1231.7	934.2	606.6
102.5°	1333.3	1340.7	1377.4	1428.8	1490.8	1526.6	1510.1	1394.9	1162.0	855.2	564.7
105°	1634.9	1641.9	1658.2	1667.5	1665.1	1617.5	1502.5	1301.4	1035.3	762.3	528.7
107.5°	1747.0	1743.9	1732.3	1705.8	1648.4	1544.8	1382.8	1168.7	933.1	710.2	522.2
110°	1748.8	1738.4	1717.4	1668.6	1586.1	1458.3	1289.8	1088.8	882.0	692.6	524.1



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1694.0	1677.0	1647.7	1588.7	1495.0	1367.2	1208.0	1030.2	853.1	684.2	529.6
115°	1569.9	1560.6	1523.4	1453.7	1361.9	1250.3	1114.4	971.4	826.2	679.8	540.3
117.5°	1444.1	1436.9	1399.3	1340.7	1262.4	1167.8	1060.9	942.6	814.1	678.6	551.7
120°	1373.5	1360.7	1330.5	1279.4	1213.1	1130.6	1037.7	929.6	807.6	678.6	560.1
122.5°	1317.7	1304.9	1279.4	1235.7	1179.7	1107.4	1022.8	918.4	800.2	677.7	568.5
125°	1252.6	1245.7	1223.6	1189.9	1143.4	1079.5	999.3	899.4	787.8	676.3	581.0
127.5°	1214.5	1207.6	1189.0	1159.0	1112.3	1051.6	971.7	876.1	771.3	673.7	591.0
130°	1192.2	1185.2	1166.6	1137.6	1090.0	1028.4	949.4	857.6	761.1	672.8	598.4
132.5°	1167.1	1160.1	1142.5	1109.7	1063.0	1001.4	924.3	838.0	751.8	671.9	604.9
135°	1120.2	1113.2	1094.6	1062.1	1015.6	957.5	886.6	811.1	737.9	670.5	614.7
137.5°	1062.1	1053.7	1038.4	1006.3	962.8	910.3	850.6	786.7	725.8	670.2	620.5
140°	1020.2	1010.9	994.7	969.1	928.4	879.6	827.3	772.7	719.3	669.3	625.2
142.5°	975.6	969.1	954.7	931.0	895.0	852.7	807.8	759.7	713.7	669.3	628.9
145°	914.5	908.7	897.1	877.3	848.3	815.7	780.9	741.4	704.2	667.0	631.0
147.5°	860.3	858.3	849.4	832.5	811.1	785.5	757.6	726.3	695.6	662.8	632.1
150°	829.7	828.5	821.5	806.4	787.8	766.9	743.7	717.0	689.1	660.0	632.1
152.5°	801.8	800.6	796.4	784.1	768.3	751.1	729.7	706.7	681.6	655.4	630.3
155°	765.8	765.8	762.3	753.0	741.4	727.4	710.0	691.4	670.5	648.4	627.5
157.5°	734.2	734.2	732.1	725.1	716.3	705.1	690.5	674.9	659.1	641.2	624.5
160°	714.6	714.6	713.5	706.5	699.5	690.2	677.4	664.7	650.7	635.6	621.7
162.5°	696.0	697.0	695.8	688.8	683.7	675.4	665.4	654.4	643.3	630.0	618.9
165°	668.2	669.3	670.5	665.8	661.2	655.4	647.2	640.3	631.0	621.7	613.5
167.5°	646.1	647.0	647.2	644.2	641.9	638.4	631.9	626.6	619.8	613.3	608.0
170°	632.1	632.1	633.3	632.1	629.8	626.3	621.7	618.2	612.4	607.7	604.2
172.5°	618.2	620.0	621.2	620.0	618.6	616.1	613.3	610.7	605.9	602.1	600.5
175°	601.9	604.2	606.6	604.2	604.2	604.2	601.9	600.8	598.4	596.1	596.1
177.5°	592.4	594.2	596.1	595.2	596.1	595.2	595.2	594.2	593.3	592.4	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1325.1	1319.2	1314.9	1311.5	1302.2	1296.6	1292.4	1286.4	1279.6	1272.4	1263.4
5°	1400.3	1382.2	1369.0	1348.7	1329.6	1313.6	1297.2	1282.3	1264.2	1244.5	1230.1
7.5°	1479.4	1452.5	1418.0	1388.1	1354.5	1325.2	1299.1	1272.3	1244.4	1217.4	1192.6
10°	1529.6	1495.0	1456.7	1411.5	1369.0	1331.2	1296.1	1262.1	1229.1	1196.1	1167.9
12.5°	1583.6	1540.5	1483.9	1431.1	1383.4	1332.9	1290.6	1248.9	1209.1	1174.4	1141.5
15°	1656.1	1593.9	1528.5	1457.8	1395.0	1336.0	1278.0	1225.4	1180.7	1134.9	1103.0
17.5°	1700.7	1623.7	1548.9	1475.0	1399.1	1324.6	1262.1	1201.3	1145.4	1099.9	1059.7
20°	1730.1	1653.5	1560.4	1486.5	1396.1	1319.5	1247.2	1179.6	1121.1	1072.7	1031.2
22.5°	1755.6	1667.1	1574.0	1476.7	1386.7	1305.5	1226.3	1158.3	1098.6	1047.6	1007.8
25°	1769.4	1667.8	1566.8	1470.0	1367.9	1271.6	1199.8	1120.1	1056.2	1002.5	960.0
27.5°	1770.9	1662.3	1548.0	1440.4	1335.0	1245.4	1154.7	1083.5	1017.2	960.4	919.5
30°	1766.2	1653.0	1530.1	1413.6	1307.8	1210.5	1131.8	1054.1	986.6	930.2	887.6
32.5°	1751.3	1633.4	1507.1	1383.8	1274.2	1179.0	1097.7	1023.9	958.1	902.5	857.9
35°	1708.3	1591.8	1457.2	1329.1	1216.8	1120.6	1047.2	972.2	906.3	853.6	810.5
37.5°	1640.9	1535.6	1398.8	1266.2	1156.0	1059.3	986.6	918.8	859.3	805.8	761.7
40°	1582.2	1489.7	1352.5	1223.2	1104.1	1012.1	944.0	881.8	822.8	772.2	730.2
42.5°	1514.6	1433.9	1307.4	1170.5	1055.6	963.2	896.8	840.9	785.3	738.6	696.6
45°	1393.9	1340.8	1221.6	1095.1	975.4	888.2	824.9	776.0	729.2	683.4	648.3
47.5°	1255.2	1228.9	1128.6	1008.4	894.8	808.8	753.9	708.7	667.7	629.0	598.0
50°	1162.1	1149.3	1062.6	946.7	838.2	757.3	702.0	663.2	628.1	594.1	564.8
52.5°	1070.2	1069.7	991.6	885.4	785.0	707.1	652.2	616.0	585.6	557.9	531.6
55°	929.7	944.5	883.4	788.7	698.8	628.6	579.2	546.7	525.5	502.6	482.9
57.5°	800.6	825.3	774.9	691.5	616.5	551.8	508.8	484.4	461.7	447.9	433.6
60°	716.4	739.8	700.4	630.2	559.5	504.2	463.2	441.4	421.7	412.2	402.1
62.5°	641.5	662.4	633.2	568.1	506.7	453.6	419.0	398.0	384.7	374.3	367.6
65°	534.5	552.0	527.1	479.7	427.1	384.5	356.3	339.8	327.1	322.8	315.4
67.5°	432.1	448.0	434.5	394.3	352.1	319.8	297.8	282.0	274.4	270.7	265.4
70°	371.2	387.2	372.8	337.7	305.3	278.2	257.4	248.4	240.4	238.8	231.3
72.5°	319.7	330.6	316.2	288.8	261.0	238.2	222.1	212.6	208.5	205.6	201.6
75°	239.9	249.4	239.9	218.6	198.9	183.0	169.1	165.4	160.6	159.0	156.4
77.5°	169.8	178.1	170.7	157.4	142.7	130.4	123.0	118.2	117.1	114.3	115.6
80°	129.8	135.1	128.2	119.1	107.4	98.9	93.6	90.9	87.8	86.7	88.8
82.5°	93.2	95.5	92.0	85.9	77.2	71.7	68.1	65.0	64.4	64.6	64.6
85°	48.4	47.9	47.3	42.0	39.4	35.6	33.5	33.0	32.4	33.5	34.6
87.5°	19.4	19.8	18.0	16.3	14.8	13.3	12.2	11.3	12.2	13.3	14.0
90°	16.3	16.3	9.3	9.3	8.1	7.0	3.5	1.2	3.5	7.0	8.1
92.5°	234.7	144.6	85.5	61.4	44.4	30.2	19.3	13.2	19.3	30.2	44.4
95°	436.9	246.3	145.3	96.4	68.6	53.5	41.8	38.3	41.8	53.5	68.6
97.5°	392.8	235.4	157.6	116.7	92.7	78.8	68.8	68.8	68.8	78.8	92.7
100°	369.5	238.2	169.7	132.5	110.4	96.4	88.3	88.3	88.3	96.4	110.4
102.5°	363.0	247.5	185.5	150.1	129.0	116.0	108.8	106.9	108.8	116.0	129.0
105°	366.0	269.6	213.8	180.1	159.2	145.3	139.4	136.0	139.4	145.3	159.2
107.5°	383.2	295.4	244.3	211.0	191.0	176.2	170.3	168.0	170.3	176.2	191.0
110°	396.2	314.9	263.8	232.4	211.5	197.5	191.7	189.4	191.7	197.5	211.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	410.2	333.5	284.2	252.9	231.9	218.9	212.2	209.9	212.2	218.9	231.9
115°	432.3	362.5	316.1	284.7	262.6	251.0	242.9	239.4	242.9	251.0	262.6
117.5°	454.8	390.7	346.5	314.0	293.3	280.5	273.3	270.0	273.3	280.5	293.3
120°	470.6	410.2	366.0	333.5	313.7	301.0	292.8	290.5	292.8	301.0	313.7
122.5°	485.5	428.8	384.6	353.0	331.4	319.6	311.4	309.1	311.4	319.6	331.4
125°	507.8	454.3	412.5	380.0	357.9	345.1	338.1	333.5	338.1	345.1	357.9
127.5°	527.1	478.0	437.6	404.8	381.8	367.2	358.8	355.1	358.8	367.2	381.8
130°	539.2	493.9	454.3	420.6	398.6	381.1	371.8	367.2	371.8	381.1	398.6
132.5°	551.3	506.9	467.4	435.5	411.6	395.1	383.0	379.3	383.0	395.1	411.6
135°	567.1	525.2	486.9	456.7	432.3	412.5	400.9	396.2	400.9	412.5	432.3
137.5°	578.2	539.2	503.4	474.6	449.2	430.4	417.6	413.2	417.6	430.4	449.2
140°	585.6	548.5	513.6	485.7	461.3	441.6	428.8	425.3	428.8	441.6	461.3
142.5°	591.2	556.8	522.9	495.9	472.5	453.6	441.8	438.3	441.8	453.6	472.5
145°	597.3	565.9	535.7	510.1	488.0	471.8	460.2	456.7	460.2	471.8	488.0
147.5°	602.6	575.2	546.8	523.8	505.5	488.7	478.5	477.3	478.5	488.7	505.5
150°	605.4	579.8	554.3	532.2	514.8	500.8	491.5	490.4	491.5	500.8	514.8
152.5°	607.3	583.6	560.8	540.6	525.0	512.0	502.7	502.4	502.7	512.0	525.0
155°	608.9	589.1	569.4	552.0	539.2	527.5	520.6	519.4	520.6	527.5	539.2
157.5°	608.9	593.1	576.4	562.6	551.5	542.4	535.9	535.9	535.9	542.4	551.5
160°	608.9	594.9	581.0	568.2	558.9	550.8	546.1	546.1	546.1	550.8	558.9
162.5°	608.9	596.8	583.8	573.8	565.4	558.2	554.5	555.4	554.5	558.2	565.4
165°	606.6	597.3	586.8	579.8	574.0	568.2	565.9	565.9	565.9	568.2	574.0
167.5°	603.8	597.0	589.4	584.0	580.8	576.4	575.2	576.4	575.2	576.4	580.8
170°	601.9	596.1	590.3	586.8	584.5	581.0	579.8	581.0	579.8	581.0	584.5
172.5°	600.1	595.2	591.2	588.7	587.3	584.7	584.5	585.6	584.5	584.7	587.3
175°	597.3	593.8	591.5	591.5	590.3	589.1	589.1	590.3	589.1	589.1	590.3
177.5°	594.2	592.4	591.5	591.5	591.5	590.5	591.5	592.4	591.5	590.5	591.5
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1259.2	1255.4	1249.8	1242.2	1235.8	1229.0	1227.3	1224.7	1229.8	1225.6	1224.3
5°	1217.9	1206.7	1192.4	1175.9	1166.3	1152.5	1149.8	1144.5	1139.2	1138.7	1133.3
7.5°	1174.2	1157.8	1139.0	1122.2	1106.6	1091.5	1081.7	1079.5	1071.7	1067.1	1061.8
10°	1146.1	1125.9	1104.1	1088.1	1070.1	1054.1	1042.9	1036.6	1031.2	1025.4	1020.1
12.5°	1112.9	1091.4	1073.5	1056.2	1034.7	1022.6	1004.2	993.2	992.1	992.2	978.4
15°	1074.3	1053.0	1025.4	1000.9	989.2	965.8	955.7	942.9	935.0	927.0	920.6
17.5°	1030.2	1003.7	982.1	954.0	931.7	913.1	899.8	892.1	880.1	868.8	860.6
20°	1002.5	974.3	951.5	921.7	897.2	874.3	863.2	852.5	843.5	833.9	824.9
22.5°	974.4	945.0	917.0	888.1	865.3	841.2	830.4	815.9	807.3	802.0	793.0
25°	930.2	898.3	866.4	838.7	815.3	794.0	779.7	768.5	758.9	754.7	748.8
27.5°	882.1	850.4	819.6	788.2	761.6	746.2	734.7	726.3	720.7	715.1	712.5
30°	851.5	818.5	785.5	756.3	731.8	716.4	705.7	699.9	695.6	693.0	690.3
32.5°	820.4	787.9	753.2	726.5	704.6	690.9	682.8	676.9	674.8	673.8	672.9
35°	770.6	737.7	705.7	681.8	661.1	655.8	648.8	645.7	644.6	648.3	649.9
37.5°	722.4	691.8	662.5	639.3	625.7	617.9	615.5	615.7	619.5	622.8	626.6
40°	691.4	661.6	634.0	613.7	601.0	596.2	595.1	597.8	602.0	605.8	610.0
42.5°	661.2	631.8	606.7	587.8	578.9	574.5	575.1	577.8	583.7	588.3	594.7
45°	614.3	589.8	565.3	549.9	542.5	543.5	543.5	548.3	554.2	561.1	568.0
47.5°	570.1	545.5	525.3	512.4	508.5	507.6	510.6	516.8	525.2	533.8	543.4
50°	540.3	516.9	499.4	487.7	483.4	485.0	489.3	495.1	505.2	515.9	526.0
52.5°	510.1	488.9	472.6	461.7	458.8	461.6	465.9	475.1	484.0	495.5	507.7
55°	463.2	445.1	432.4	424.4	423.3	424.9	429.7	439.8	452.6	467.0	478.7
57.5°	416.5	401.4	389.7	384.2	384.7	386.2	394.1	406.1	419.7	435.0	450.1
60°	385.1	371.2	361.7	357.4	357.9	361.1	370.7	381.9	398.9	413.8	429.7
62.5°	355.3	343.1	334.0	330.2	329.4	336.4	345.6	357.2	374.2	390.8	408.0
65°	307.4	297.8	290.4	288.3	289.9	295.2	306.9	322.3	336.7	354.2	372.3
67.5°	260.6	252.7	247.6	248.6	250.5	258.4	268.2	281.4	297.7	315.9	333.8
70°	230.8	223.4	219.1	219.6	222.8	232.4	240.9	254.2	271.8	290.4	305.3
72.5°	200.2	195.3	191.5	193.7	196.9	203.5	214.1	227.4	242.8	260.2	275.9
75°	153.7	153.7	151.6	153.2	158.0	164.3	172.3	186.1	201.6	215.4	228.2
77.5°	114.0	112.9	114.2	116.2	118.9	126.5	135.6	145.5	157.1	170.9	181.5
80°	87.2	87.8	90.4	93.6	94.7	100.5	110.1	119.1	128.2	139.9	150.0
82.5°	65.5	66.1	67.4	71.5	72.5	78.8	85.0	94.0	102.2	110.1	118.5
85°	35.6	35.6	38.3	39.9	42.5	46.8	50.5	55.8	63.3	68.6	76.6
87.5°	15.5	15.5	18.6	19.4	21.2	23.8	24.4	29.3	31.2	33.6	37.4
90°	9.3	9.3	16.3	16.3	18.6	20.9	19.8	20.9	22.1	23.2	23.2
92.5°	61.4	85.5	144.6	234.7	322.6	368.6	307.0	228.2	171.7	136.7	113.4
95°	96.4	145.3	246.3	436.9	714.6	947.0	973.8	861.0	680.9	525.2	412.5
97.5°	116.7	157.6	235.4	392.8	668.8	997.5	1223.4	1272.2	1205.2	1091.6	970.3
100°	132.5	169.7	238.2	369.5	606.6	934.2	1231.7	1401.4	1424.6	1367.7	1281.7
102.5°	150.1	185.5	247.5	363.0	564.7	855.2	1162.0	1394.9	1510.1	1526.6	1490.8
105°	180.1	213.8	269.6	366.0	528.7	762.3	1035.3	1301.4	1502.5	1617.5	1665.1
107.5°	211.0	244.3	295.4	383.2	522.2	710.2	933.1	1168.7	1382.8	1544.8	1648.4
110°	232.4	263.8	314.9	396.2	524.1	692.6	882.0	1088.8	1289.8	1458.3	1586.1



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	252.9	284.2	333.5	410.2	529.6	684.2	853.1	1030.2	1208.0	1367.2	1495.0
115°	284.7	316.1	362.5	432.3	540.3	679.8	826.2	971.4	1114.4	1250.3	1361.9
117.5°	314.0	346.5	390.7	454.8	551.7	678.6	814.1	942.6	1060.9	1167.8	1262.4
120°	333.5	366.0	410.2	470.6	560.1	678.6	807.6	929.6	1037.7	1130.6	1213.1
122.5°	353.0	384.6	428.8	485.5	568.5	677.7	800.2	918.4	1022.8	1107.4	1179.7
125°	380.0	412.5	454.3	507.8	581.0	676.3	787.8	899.4	999.3	1079.5	1143.4
127.5°	404.8	437.6	478.0	527.1	591.0	673.7	771.3	876.1	971.7	1051.6	1112.3
130°	420.6	454.3	493.9	539.2	598.4	672.8	761.1	857.6	949.4	1028.4	1090.0
132.5°	435.5	467.4	506.9	551.3	604.9	671.9	751.8	838.0	924.3	1001.4	1063.0
135°	456.7	486.9	525.2	567.1	614.7	670.5	737.9	811.1	886.6	957.5	1015.6
137.5°	474.6	503.4	539.2	578.2	620.5	670.2	725.8	786.7	850.6	910.3	962.8
140°	485.7	513.6	548.5	585.6	625.2	669.3	719.3	772.7	827.3	879.6	928.4
142.5°	495.9	522.9	556.8	591.2	628.9	669.3	713.7	759.7	807.8	852.7	895.0
145°	510.1	535.7	565.9	597.3	631.0	667.0	704.2	741.4	780.9	815.7	848.3
147.5°	523.8	546.8	575.2	602.6	632.1	662.8	695.6	726.3	757.6	785.5	811.1
150°	532.2	554.3	579.8	605.4	632.1	660.0	689.1	717.0	743.7	766.9	787.8
152.5°	540.6	560.8	583.6	607.3	630.3	655.4	681.6	706.7	729.7	751.1	768.3
155°	552.0	569.4	589.1	608.9	627.5	648.4	670.5	691.4	710.0	727.4	741.4
157.5°	562.6	576.4	593.1	608.9	624.5	641.2	659.1	674.9	690.5	705.1	716.3
160°	568.2	581.0	594.9	608.9	621.7	635.6	650.7	664.7	677.4	690.2	699.5
162.5°	573.8	583.8	596.8	608.9	618.9	630.0	643.3	654.4	665.4	675.4	683.7
165°	579.8	586.8	597.3	606.6	613.5	621.7	631.0	640.3	647.2	655.4	661.2
167.5°	584.0	589.4	597.0	603.8	608.0	613.3	619.8	626.6	631.9	638.4	641.9
170°	586.8	590.3	596.1	601.9	604.2	607.7	612.4	618.2	621.7	626.3	629.8
172.5°	588.7	591.2	595.2	600.1	600.5	602.1	605.9	610.7	613.3	616.1	618.6
175°	591.5	591.5	593.8	597.3	596.1	596.1	598.4	600.8	601.9	604.2	604.2
177.5°	591.5	591.5	592.4	594.2	592.4	592.4	593.3	594.2	595.2	595.2	596.1
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1223.4	1222.6	1219.6	1219.2	1219.6	1222.6	1223.4	1224.3	1225.6	1229.8	1224.7
5°	1130.2	1127.5	1125.9	1131.8	1125.9	1127.5	1130.2	1133.3	1138.7	1139.2	1144.5
7.5°	1059.8	1057.7	1053.0	1051.6	1053.0	1057.7	1059.8	1061.8	1067.1	1071.7	1079.5
10°	1014.7	1012.6	1008.4	1007.3	1008.4	1012.6	1014.7	1020.1	1025.4	1031.2	1036.6
12.5°	971.3	967.1	966.2	967.3	966.2	967.1	971.3	978.4	992.2	992.1	993.2
15°	913.7	911.6	905.7	907.3	905.7	911.6	913.7	920.6	927.0	935.0	942.9
17.5°	856.9	854.3	847.2	853.5	847.2	854.3	856.9	860.6	868.8	880.1	892.1
20°	821.2	816.9	813.2	812.6	813.2	816.9	821.2	824.9	833.9	843.5	852.5
22.5°	787.1	783.3	783.0	779.5	783.0	783.3	787.1	793.0	802.0	807.3	815.9
25°	744.6	740.9	739.8	737.1	739.8	740.9	744.6	748.8	754.7	758.9	768.5
27.5°	711.9	710.1	708.2	709.0	708.2	710.1	711.9	712.5	715.1	720.7	726.3
30°	691.9	691.4	690.3	690.3	690.3	691.4	691.9	690.3	693.0	695.6	699.9
32.5°	675.3	675.2	675.9	675.9	675.9	675.2	675.3	672.9	673.8	674.8	676.9
35°	652.0	653.6	654.7	653.1	654.7	653.6	652.0	649.9	648.3	644.6	645.7
37.5°	631.0	632.6	634.1	635.9	634.1	632.6	631.0	626.6	622.8	619.5	615.7
40°	614.8	618.5	619.6	622.3	619.6	618.5	614.8	610.0	605.8	602.0	597.8
42.5°	599.5	603.6	606.4	606.9	606.4	603.6	599.5	594.7	588.3	583.7	577.8
45°	576.0	580.2	584.0	584.0	584.0	580.2	576.0	568.0	561.1	554.2	548.3
47.5°	551.6	557.8	561.5	562.5	561.5	557.8	551.6	543.4	533.8	525.2	516.8
50°	535.0	542.5	546.2	548.9	546.2	542.5	535.0	526.0	515.9	505.2	495.1
52.5°	518.9	526.3	531.3	532.7	531.3	526.3	518.9	507.7	495.5	484.0	475.1
55°	490.9	501.5	507.4	509.5	507.4	501.5	490.9	478.7	467.0	452.6	439.8
57.5°	464.5	474.3	481.1	482.7	481.1	474.3	464.5	450.1	435.0	419.7	406.1
60°	444.1	454.7	463.2	464.8	463.2	454.7	444.1	429.7	413.8	398.9	381.9
62.5°	423.2	434.3	442.0	446.1	442.0	434.3	423.2	408.0	390.8	374.2	357.2
65°	387.2	398.3	405.8	407.4	405.8	398.3	387.2	372.3	354.2	336.7	322.3
67.5°	347.8	359.0	363.9	367.0	363.9	359.0	347.8	333.8	315.9	297.7	281.4
70°	320.2	329.2	334.5	337.2	334.5	329.2	320.2	305.3	290.4	271.8	254.2
72.5°	288.7	298.1	304.3	304.8	304.3	298.1	288.7	275.9	260.2	242.8	227.4
75°	240.4	248.9	252.1	252.1	252.1	248.9	240.4	228.2	215.4	201.6	186.1
77.5°	190.3	194.7	198.7	199.5	198.7	194.7	190.3	181.5	170.9	157.1	145.5
80°	158.0	160.6	163.8	163.8	163.8	160.6	158.0	150.0	139.9	128.2	119.1
82.5°	124.8	127.0	130.2	129.8	130.2	127.0	124.8	118.5	110.1	102.2	94.0
85°	75.5	80.3	79.8	78.7	79.8	80.3	75.5	76.6	68.6	63.3	55.8
87.5°	38.9	39.6	40.6	41.5	40.6	39.6	38.9	37.4	33.6	31.2	29.3
90°	24.4	25.6	24.4	24.4	24.4	25.6	24.4	23.2	23.2	22.1	20.9
92.5°	99.7	93.4	89.5	89.5	89.5	93.4	99.7	113.4	136.7	171.7	228.2
95°	355.6	319.6	298.6	283.5	298.6	319.6	355.6	412.5	525.2	680.9	861.0
97.5°	886.8	816.9	782.0	757.9	782.0	816.9	886.8	970.3	1091.6	1205.2	1272.2
100°	1180.6	1109.7	1074.9	1065.6	1074.9	1109.7	1180.6	1281.7	1367.7	1424.6	1401.4
102.5°	1428.8	1377.4	1340.7	1333.3	1340.7	1377.4	1428.8	1490.8	1526.6	1510.1	1394.9
105°	1667.5	1658.2	1641.9	1634.9	1641.9	1658.2	1667.5	1665.1	1617.5	1502.5	1301.4
107.5°	1705.8	1732.3	1743.9	1747.0	1743.9	1732.3	1705.8	1648.4	1544.8	1382.8	1168.7
110°	1668.6	1717.4	1738.4	1748.8	1738.4	1717.4	1668.6	1586.1	1458.3	1289.8	1088.8



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1588.7	1647.7	1677.0	1694.0	1677.0	1647.7	1588.7	1495.0	1367.2	1208.0	1030.2
115°	1453.7	1523.4	1560.6	1569.9	1560.6	1523.4	1453.7	1361.9	1250.3	1114.4	971.4
117.5°	1340.7	1399.3	1436.9	1444.1	1436.9	1399.3	1340.7	1262.4	1167.8	1060.9	942.6
120°	1279.4	1330.5	1360.7	1373.5	1360.7	1330.5	1279.4	1213.1	1130.6	1037.7	929.6
122.5°	1235.7	1279.4	1304.9	1317.7	1304.9	1279.4	1235.7	1179.7	1107.4	1022.8	918.4
125°	1189.9	1223.6	1245.7	1252.6	1245.7	1223.6	1189.9	1143.4	1079.5	999.3	899.4
127.5°	1159.0	1189.0	1207.6	1214.5	1207.6	1189.0	1159.0	1112.3	1051.6	971.7	876.1
130°	1137.6	1166.6	1185.2	1192.2	1185.2	1166.6	1137.6	1090.0	1028.4	949.4	857.6
132.5°	1109.7	1142.5	1160.1	1167.1	1160.1	1142.5	1109.7	1063.0	1001.4	924.3	838.0
135°	1062.1	1094.6	1113.2	1120.2	1113.2	1094.6	1062.1	1015.6	957.5	886.6	811.1
137.5°	1006.3	1038.4	1053.7	1062.1	1053.7	1038.4	1006.3	962.8	910.3	850.6	786.7
140°	969.1	994.7	1010.9	1020.2	1010.9	994.7	969.1	928.4	879.6	827.3	772.7
142.5°	931.0	954.7	969.1	975.6	969.1	954.7	931.0	895.0	852.7	807.8	759.7
145°	877.3	897.1	908.7	914.5	908.7	897.1	877.3	848.3	815.7	780.9	741.4
147.5°	832.5	849.4	858.3	860.3	858.3	849.4	832.5	811.1	785.5	757.6	726.3
150°	806.4	821.5	828.5	829.7	828.5	821.5	806.4	787.8	766.9	743.7	717.0
152.5°	784.1	796.4	800.6	801.8	800.6	796.4	784.1	768.3	751.1	729.7	706.7
155°	753.0	762.3	765.8	765.8	765.8	762.3	753.0	741.4	727.4	710.0	691.4
157.5°	725.1	732.1	734.2	734.2	734.2	732.1	725.1	716.3	705.1	690.5	674.9
160°	706.5	713.5	714.6	714.6	714.6	713.5	706.5	699.5	690.2	677.4	664.7
162.5°	688.8	695.8	697.0	696.0	697.0	695.8	688.8	683.7	675.4	665.4	654.4
165°	665.8	670.5	669.3	668.2	669.3	670.5	665.8	661.2	655.4	647.2	640.3
167.5°	644.2	647.2	647.0	646.1	647.0	647.2	644.2	641.9	638.4	631.9	626.6
170°	632.1	633.3	632.1	632.1	632.1	633.3	632.1	629.8	626.3	621.7	618.2
172.5°	620.0	621.2	620.0	618.2	620.0	621.2	620.0	618.6	616.1	613.3	610.7
175°	604.2	606.6	604.2	601.9	604.2	606.6	604.2	604.2	604.2	601.9	600.8
177.5°	595.2	596.1	594.2	592.4	594.2	596.1	595.2	596.1	595.2	595.2	594.2
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1227.3	1229.0	1235.8	1242.2	1249.8	1255.4	1259.2	1263.4	1272.4	1279.6	1286.4
5°	1149.8	1152.5	1166.3	1175.9	1192.4	1206.7	1217.9	1230.1	1244.5	1264.2	1282.3
7.5°	1081.7	1091.5	1106.6	1122.2	1139.0	1157.8	1174.2	1192.6	1217.4	1244.4	1272.3
10°	1042.9	1054.1	1070.1	1088.1	1104.1	1125.9	1146.1	1167.9	1196.1	1229.1	1262.1
12.5°	1004.2	1022.6	1034.7	1056.2	1073.5	1091.4	1112.9	1141.5	1174.4	1209.1	1248.9
15°	955.7	965.8	989.2	1000.9	1025.4	1053.0	1074.3	1103.0	1134.9	1180.7	1225.4
17.5°	899.8	913.1	931.7	954.0	982.1	1003.7	1030.2	1059.7	1099.9	1145.4	1201.3
20°	863.2	874.3	897.2	921.7	951.5	974.3	1002.5	1031.2	1072.7	1121.1	1179.6
22.5°	830.4	841.2	865.3	888.1	917.0	945.0	974.4	1007.8	1047.6	1098.6	1158.3
25°	779.7	794.0	815.3	838.7	866.4	898.3	930.2	960.0	1002.5	1056.2	1120.1
27.5°	734.7	746.2	761.6	788.2	819.6	850.4	882.1	919.5	960.4	1017.2	1083.5
30°	705.7	716.4	731.8	756.3	785.5	818.5	851.5	887.6	930.2	986.6	1054.1
32.5°	682.8	690.9	704.6	726.5	753.2	787.9	820.4	857.9	902.5	958.1	1023.9
35°	648.8	655.8	661.1	681.8	705.7	737.7	770.6	810.5	853.6	906.3	972.2
37.5°	615.5	617.9	625.7	639.3	662.5	691.8	722.4	761.7	805.8	859.3	918.8
40°	595.1	596.2	601.0	613.7	634.0	661.6	691.4	730.2	772.2	822.8	881.8
42.5°	575.1	574.5	578.9	587.8	606.7	631.8	661.2	696.6	738.6	785.3	840.9
45°	543.5	543.5	542.5	549.9	565.3	589.8	614.3	648.3	683.4	729.2	776.0
47.5°	510.6	507.6	508.5	512.4	525.3	545.5	570.1	598.0	629.0	667.7	708.7
50°	489.3	485.0	483.4	487.7	499.4	516.9	540.3	564.8	594.1	628.1	663.2
52.5°	465.9	461.6	458.8	461.7	472.6	488.9	510.1	531.6	557.9	585.6	616.0
55°	429.7	424.9	423.3	424.4	432.4	445.1	463.2	482.9	502.6	525.5	546.7
57.5°	394.1	386.2	384.7	384.2	389.7	401.4	416.5	433.6	447.9	461.7	484.4
60°	370.7	361.1	357.9	357.4	361.7	371.2	385.1	402.1	412.2	421.7	441.4
62.5°	345.6	336.4	329.4	330.2	334.0	343.1	355.3	367.6	374.3	384.7	398.0
65°	306.9	295.2	289.9	288.3	290.4	297.8	307.4	315.4	322.8	327.1	339.8
67.5°	268.2	258.4	250.5	248.6	247.6	252.7	260.6	265.4	270.7	274.4	282.0
70°	240.9	232.4	222.8	219.6	219.1	223.4	230.8	231.3	238.8	240.4	248.4
72.5°	214.1	203.5	196.9	193.7	191.5	195.3	200.2	201.6	205.6	208.5	212.6
75°	172.3	164.3	158.0	153.2	151.6	153.7	153.7	156.4	159.0	160.6	165.4
77.5°	135.6	126.5	118.9	116.2	114.2	112.9	114.0	115.6	114.3	117.1	118.2
80°	110.1	100.5	94.7	93.6	90.4	87.8	87.2	88.8	86.7	87.8	90.9
82.5°	85.0	78.8	72.5	71.5	67.4	66.1	65.5	64.6	64.6	64.4	65.0
85°	50.5	46.8	42.5	39.9	38.3	35.6	35.6	34.6	33.5	32.4	33.0
87.5°	24.4	23.8	21.2	19.4	18.6	15.5	15.5	14.0	13.3	12.2	11.3
90°	19.8	20.9	18.6	16.3	16.3	9.3	9.3	8.1	7.0	3.5	1.2
92.5°	307.0	368.6	322.6	234.7	144.6	85.5	61.4	44.4	30.2	19.3	13.2
95°	973.8	947.0	714.6	436.9	246.3	145.3	96.4	68.6	53.5	41.8	38.3
97.5°	1223.4	997.5	668.8	392.8	235.4	157.6	116.7	92.7	78.8	68.8	68.8
100°	1231.7	934.2	606.6	369.5	238.2	169.7	132.5	110.4	96.4	88.3	88.3
102.5°	1162.0	855.2	564.7	363.0	247.5	185.5	150.1	129.0	116.0	108.8	106.9
105°	1035.3	762.3	528.7	366.0	269.6	213.8	180.1	159.2	145.3	139.4	136.0
107.5°	933.1	710.2	522.2	383.2	295.4	244.3	211.0	191.0	176.2	170.3	168.0
110°	882.0	692.6	524.1	396.2	314.9	263.8	232.4	211.5	197.5	191.7	189.4



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	853.1	684.2	529.6	410.2	333.5	284.2	252.9	231.9	218.9	212.2	209.9
115°	826.2	679.8	540.3	432.3	362.5	316.1	284.7	262.6	251.0	242.9	239.4
117.5°	814.1	678.6	551.7	454.8	390.7	346.5	314.0	293.3	280.5	273.3	270.0
120°	807.6	678.6	560.1	470.6	410.2	366.0	333.5	313.7	301.0	292.8	290.5
122.5°	800.2	677.7	568.5	485.5	428.8	384.6	353.0	331.4	319.6	311.4	309.1
125°	787.8	676.3	581.0	507.8	454.3	412.5	380.0	357.9	345.1	338.1	333.5
127.5°	771.3	673.7	591.0	527.1	478.0	437.6	404.8	381.8	367.2	358.8	355.1
130°	761.1	672.8	598.4	539.2	493.9	454.3	420.6	398.6	381.1	371.8	367.2
132.5°	751.8	671.9	604.9	551.3	506.9	467.4	435.5	411.6	395.1	383.0	379.3
135°	737.9	670.5	614.7	567.1	525.2	486.9	456.7	432.3	412.5	400.9	396.2
137.5°	725.8	670.2	620.5	578.2	539.2	503.4	474.6	449.2	430.4	417.6	413.2
140°	719.3	669.3	625.2	585.6	548.5	513.6	485.7	461.3	441.6	428.8	425.3
142.5°	713.7	669.3	628.9	591.2	556.8	522.9	495.9	472.5	453.6	441.8	438.3
145°	704.2	667.0	631.0	597.3	565.9	535.7	510.1	488.0	471.8	460.2	456.7
147.5°	695.6	662.8	632.1	602.6	575.2	546.8	523.8	505.5	488.7	478.5	477.3
150°	689.1	660.0	632.1	605.4	579.8	554.3	532.2	514.8	500.8	491.5	490.4
152.5°	681.6	655.4	630.3	607.3	583.6	560.8	540.6	525.0	512.0	502.7	502.4
155°	670.5	648.4	627.5	608.9	589.1	569.4	552.0	539.2	527.5	520.6	519.4
157.5°	659.1	641.2	624.5	608.9	593.1	576.4	562.6	551.5	542.4	535.9	535.9
160°	650.7	635.6	621.7	608.9	594.9	581.0	568.2	558.9	550.8	546.1	546.1
162.5°	643.3	630.0	618.9	608.9	596.8	583.8	573.8	565.4	558.2	554.5	555.4
165°	631.0	621.7	613.5	606.6	597.3	586.8	579.8	574.0	568.2	565.9	565.9
167.5°	619.8	613.3	608.0	603.8	597.0	589.4	584.0	580.8	576.4	575.2	576.4
170°	612.4	607.7	604.2	601.9	596.1	590.3	586.8	584.5	581.0	579.8	581.0
172.5°	605.9	602.1	600.5	600.1	595.2	591.2	588.7	587.3	584.7	584.5	585.6
175°	598.4	596.1	596.1	597.3	593.8	591.5	591.5	590.3	589.1	589.1	590.3
177.5°	593.3	592.4	592.4	594.2	592.4	591.5	591.5	591.5	590.5	591.5	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1292.4	1296.6	1302.2	1311.5	1314.9	1319.2	1325.1	1324.7	1326.4	1332.8	1346.4
5°	1297.2	1313.6	1329.6	1348.7	1369.0	1382.2	1400.3	1411.5	1422.7	1437.0	1461.5
7.5°	1299.1	1325.2	1354.5	1388.1	1418.0	1452.5	1479.4	1504.7	1527.5	1557.9	1587.0
10°	1296.1	1331.2	1369.0	1411.5	1456.7	1495.0	1529.6	1568.9	1602.4	1639.1	1672.1
12.5°	1290.6	1332.9	1383.4	1431.1	1483.9	1540.5	1583.6	1623.4	1668.0	1710.2	1761.0
15°	1278.0	1336.0	1395.0	1457.8	1528.5	1593.9	1656.1	1707.7	1755.6	1818.9	1885.4
17.5°	1262.1	1324.6	1399.1	1475.0	1548.9	1623.7	1700.7	1778.3	1838.7	1917.3	1969.3
20°	1247.2	1319.5	1396.1	1486.5	1560.4	1653.5	1730.1	1805.1	1888.0	1966.2	2028.4
22.5°	1226.3	1305.5	1386.7	1476.7	1574.0	1667.1	1755.6	1837.0	1919.9	2004.9	2080.3
25°	1199.8	1271.6	1367.9	1470.0	1566.8	1667.8	1769.4	1871.5	1960.9	2050.8	2121.0
27.5°	1154.7	1245.4	1335.0	1440.4	1548.0	1662.3	1770.9	1877.8	1971.4	2045.3	2088.8
30°	1131.8	1210.5	1307.8	1413.6	1530.1	1653.0	1766.2	1871.0	1958.2	2017.3	2034.8
32.5°	1097.7	1179.0	1274.2	1383.8	1507.1	1633.4	1751.3	1850.2	1922.9	1953.9	1932.7
35°	1047.2	1120.6	1216.8	1329.1	1457.2	1591.8	1708.3	1791.8	1829.0	1799.7	1726.9
37.5°	986.6	1059.3	1156.0	1266.2	1398.8	1535.6	1640.9	1701.0	1688.7	1615.9	1507.3
40°	944.0	1012.1	1104.1	1223.2	1352.5	1489.7	1582.2	1614.7	1580.6	1476.4	1361.0
42.5°	896.8	963.2	1055.6	1170.5	1307.4	1433.9	1514.6	1517.2	1460.2	1335.6	1219.7
45°	824.9	888.2	975.4	1095.1	1221.6	1340.8	1393.9	1367.9	1262.6	1142.4	1025.9
47.5°	753.9	808.8	894.8	1008.4	1128.6	1228.9	1255.2	1208.3	1096.1	979.4	871.5
50°	702.0	757.3	838.2	946.7	1062.6	1149.3	1162.1	1099.8	989.8	872.2	787.7
52.5°	652.2	707.1	785.0	885.4	991.6	1069.7	1070.2	998.2	888.5	783.7	705.1
55°	579.2	628.6	698.8	788.7	883.4	944.5	929.7	855.2	760.0	669.1	600.4
57.5°	508.8	551.8	616.5	691.5	774.9	825.3	800.6	728.9	643.9	566.8	514.8
60°	463.2	504.2	559.5	630.2	700.4	739.8	716.4	651.5	573.3	511.1	465.9
62.5°	419.0	453.6	506.7	568.1	633.2	662.4	641.5	577.5	509.9	453.7	417.0
65°	356.3	384.5	427.1	479.7	527.1	552.0	534.5	474.9	423.3	382.9	353.7
67.5°	297.8	319.8	352.1	394.3	434.5	448.0	432.1	390.6	346.9	314.5	293.9
70°	257.4	278.2	305.3	337.7	372.8	387.2	371.2	338.2	302.6	272.8	252.6
72.5°	222.1	238.2	261.0	288.8	316.2	330.6	319.7	288.0	257.9	235.8	218.6
75°	169.1	183.0	198.9	218.6	239.9	249.4	239.9	218.1	197.3	180.8	168.6
77.5°	123.0	130.4	142.7	157.4	170.7	178.1	169.8	155.0	142.3	131.0	125.0
80°	93.6	98.9	107.4	119.1	128.2	135.1	129.8	117.5	107.4	100.0	97.3
82.5°	68.1	71.7	77.2	85.9	92.0	95.5	93.2	84.3	80.2	73.6	70.9
85°	33.5	35.6	39.4	42.0	47.3	47.9	48.4	44.7	41.0	39.4	37.2
87.5°	12.2	13.3	14.8	16.3	18.0	19.8	19.4	19.9	18.6	18.0	16.5
90°	3.5	7.0	8.1	9.3	9.3	16.3	16.3	18.6	20.9	19.8	20.9
92.5°	19.3	30.2	44.4	61.4	85.5	144.6	234.7	322.6	368.6	307.0	228.2
95°	41.8	53.5	68.6	96.4	145.3	246.3	436.9	714.6	947.0	973.8	861.0
97.5°	68.8	78.8	92.7	116.7	157.6	235.4	392.8	668.8	997.5	1223.4	1272.2
100°	88.3	96.4	110.4	132.5	169.7	238.2	369.5	606.6	934.2	1231.7	1401.4
102.5°	108.8	116.0	129.0	150.1	185.5	247.5	363.0	564.7	855.2	1162.0	1394.9
105°	139.4	145.3	159.2	180.1	213.8	269.6	366.0	528.7	762.3	1035.3	1301.4
107.5°	170.3	176.2	191.0	211.0	244.3	295.4	383.2	522.2	710.2	933.1	1168.7
110°	191.7	197.5	211.5	232.4	263.8	314.9	396.2	524.1	692.6	882.0	1088.8



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	212.2	218.9	231.9	252.9	284.2	333.5	410.2	529.6	684.2	853.1	1030.2
115°	242.9	251.0	262.6	284.7	316.1	362.5	432.3	540.3	679.8	826.2	971.4
117.5°	273.3	280.5	293.3	314.0	346.5	390.7	454.8	551.7	678.6	814.1	942.6
120°	292.8	301.0	313.7	333.5	366.0	410.2	470.6	560.1	678.6	807.6	929.6
122.5°	311.4	319.6	331.4	353.0	384.6	428.8	485.5	568.5	677.7	800.2	918.4
125°	338.1	345.1	357.9	380.0	412.5	454.3	507.8	581.0	676.3	787.8	899.4
127.5°	358.8	367.2	381.8	404.8	437.6	478.0	527.1	591.0	673.7	771.3	876.1
130°	371.8	381.1	398.6	420.6	454.3	493.9	539.2	598.4	672.8	761.1	857.6
132.5°	383.0	395.1	411.6	435.5	467.4	506.9	551.3	604.9	671.9	751.8	838.0
135°	400.9	412.5	432.3	456.7	486.9	525.2	567.1	614.7	670.5	737.9	811.1
137.5°	417.6	430.4	449.2	474.6	503.4	539.2	578.2	620.5	670.2	725.8	786.7
140°	428.8	441.6	461.3	485.7	513.6	548.5	585.6	625.2	669.3	719.3	772.7
142.5°	441.8	453.6	472.5	495.9	522.9	556.8	591.2	628.9	669.3	713.7	759.7
145°	460.2	471.8	488.0	510.1	535.7	565.9	597.3	631.0	667.0	704.2	741.4
147.5°	478.5	488.7	505.5	523.8	546.8	575.2	602.6	632.1	662.8	695.6	726.3
150°	491.5	500.8	514.8	532.2	554.3	579.8	605.4	632.1	660.0	689.1	717.0
152.5°	502.7	512.0	525.0	540.6	560.8	583.6	607.3	630.3	655.4	681.6	706.7
155°	520.6	527.5	539.2	552.0	569.4	589.1	608.9	627.5	648.4	670.5	691.4
157.5°	535.9	542.4	551.5	562.6	576.4	593.1	608.9	624.5	641.2	659.1	674.9
160°	546.1	550.8	558.9	568.2	581.0	594.9	608.9	621.7	635.6	650.7	664.7
162.5°	554.5	558.2	565.4	573.8	583.8	596.8	608.9	618.9	630.0	643.3	654.4
165°	565.9	568.2	574.0	579.8	586.8	597.3	606.6	613.5	621.7	631.0	640.3
167.5°	575.2	576.4	580.8	584.0	589.4	597.0	603.8	608.0	613.3	619.8	626.6
170°	579.8	581.0	584.5	586.8	590.3	596.1	601.9	604.2	607.7	612.4	618.2
172.5°	584.5	584.7	587.3	588.7	591.2	595.2	600.1	600.5	602.1	605.9	610.7
175°	589.1	589.1	590.3	591.5	591.5	593.8	597.3	596.1	596.1	598.4	600.8
177.5°	591.5	590.5	591.5	591.5	591.5	592.4	594.2	592.4	592.4	593.3	594.2
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9	1283.9
2.5°	1353.2	1354.1	1357.9	1360.9	1361.7	1366.0	1366.4
5°	1472.1	1481.2	1498.7	1500.3	1503.0	1516.8	1506.2
7.5°	1611.5	1634.4	1649.8	1663.3	1668.2	1674.2	1673.0
10°	1700.8	1734.9	1751.9	1779.0	1780.1	1787.0	1782.7
12.5°	1790.6	1830.2	1861.2	1866.2	1889.0	1892.5	1898.5
15°	1917.8	1959.8	2002.9	2018.3	2049.7	2057.2	2068.9
17.5°	2037.4	2080.3	2110.5	2150.4	2163.3	2180.5	2168.8
20°	2102.9	2149.7	2188.0	2219.4	2232.7	2242.2	2241.2
22.5°	2142.5	2189.7	2220.7	2244.5	2256.9	2261.0	2260.7
25°	2167.2	2194.4	2203.9	2213.0	2199.2	2194.4	2196.5
27.5°	2098.3	2091.3	2066.3	2033.5	1999.5	1972.5	1957.8
30°	2003.4	1962.0	1924.2	1858.2	1824.2	1804.0	1785.9
32.5°	1869.0	1803.3	1730.6	1670.2	1631.5	1601.5	1597.0
35°	1638.6	1539.7	1450.9	1376.9	1338.6	1306.2	1298.7
37.5°	1393.1	1290.3	1210.4	1145.3	1104.1	1081.2	1059.8
40°	1230.1	1141.9	1063.1	1007.8	976.5	960.0	946.7
42.5°	1104.6	1024.0	945.7	903.6	875.2	865.1	857.3
45°	931.2	856.3	802.0	770.1	753.6	736.6	728.6
47.5°	792.4	731.4	695.6	668.5	650.9	640.8	635.7
50°	713.7	663.7	631.8	611.1	595.1	587.1	582.9
52.5°	643.9	602.9	576.1	559.6	548.8	542.9	541.2
55°	554.7	523.3	506.3	492.0	484.0	478.7	476.5
57.5°	482.2	458.0	444.2	432.4	429.3	424.8	423.3
60°	434.5	415.9	404.2	396.2	393.6	388.2	389.3
62.5°	392.4	377.2	367.2	362.6	359.1	354.6	356.1
65°	331.9	320.7	315.4	311.1	306.9	304.2	306.3
67.5°	278.5	270.8	263.6	261.1	259.0	258.6	256.3
70°	243.6	237.2	230.8	229.2	229.2	227.1	226.6
72.5°	210.0	205.3	201.0	199.9	198.2	199.0	196.8
75°	162.2	158.5	156.9	155.3	154.8	154.8	153.2
77.5°	119.9	117.1	114.6	114.6	112.6	111.9	111.7
80°	90.9	89.9	87.8	87.8	86.7	87.2	86.2
82.5°	68.4	66.9	66.5	65.6	64.1	64.2	63.2
85°	36.7	35.1	34.6	33.0	31.9	33.0	31.9
87.5°	17.2	17.0	16.6	15.9	15.7	15.5	14.2
90°	22.1	23.2	23.2	24.4	25.6	24.4	24.4
92.5°	171.7	136.7	113.4	99.7	93.4	89.5	89.5
95°	680.9	525.2	412.5	355.6	319.6	298.6	283.5
97.5°	1205.2	1091.6	970.3	886.8	816.9	782.0	757.9
100°	1424.6	1367.7	1281.7	1180.6	1109.7	1074.9	1065.6
102.5°	1510.1	1526.6	1490.8	1428.8	1377.4	1340.7	1333.3
105°	1502.5	1617.5	1665.1	1667.5	1658.2	1641.9	1634.9
107.5°	1382.8	1544.8	1648.4	1705.8	1732.3	1743.9	1747.0
110°	1289.8	1458.3	1586.1	1668.6	1717.4	1738.4	1748.8



TEST NUMBER: P332618

CATALOG NUMBER: S124DIP-S795D1205U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1208.0	1367.2	1495.0	1588.7	1647.7	1677.0	1694.0
115°	1114.4	1250.3	1361.9	1453.7	1523.4	1560.6	1569.9
117.5°	1060.9	1167.8	1262.4	1340.7	1399.3	1436.9	1444.1
120°	1037.7	1130.6	1213.1	1279.4	1330.5	1360.7	1373.5
122.5°	1022.8	1107.4	1179.7	1235.7	1279.4	1304.9	1317.7
125°	999.3	1079.5	1143.4	1189.9	1223.6	1245.7	1252.6
127.5°	971.7	1051.6	1112.3	1159.0	1189.0	1207.6	1214.5
130°	949.4	1028.4	1090.0	1137.6	1166.6	1185.2	1192.2
132.5°	924.3	1001.4	1063.0	1109.7	1142.5	1160.1	1167.1
135°	886.6	957.5	1015.6	1062.1	1094.6	1113.2	1120.2
137.5°	850.6	910.3	962.8	1006.3	1038.4	1053.7	1062.1
140°	827.3	879.6	928.4	969.1	994.7	1010.9	1020.2
142.5°	807.8	852.7	895.0	931.0	954.7	969.1	975.6
145°	780.9	815.7	848.3	877.3	897.1	908.7	914.5
147.5°	757.6	785.5	811.1	832.5	849.4	858.3	860.3
150°	743.7	766.9	787.8	806.4	821.5	828.5	829.7
152.5°	729.7	751.1	768.3	784.1	796.4	800.6	801.8
155°	710.0	727.4	741.4	753.0	762.3	765.8	765.8
157.5°	690.5	705.1	716.3	725.1	732.1	734.2	734.2
160°	677.4	690.2	699.5	706.5	713.5	714.6	714.6
162.5°	665.4	675.4	683.7	688.8	695.8	697.0	696.0
165°	647.2	655.4	661.2	665.8	670.5	669.3	668.2
167.5°	631.9	638.4	641.9	644.2	647.2	647.0	646.1
170°	621.7	626.3	629.8	632.1	633.3	632.1	632.1
172.5°	613.3	616.1	618.6	620.0	621.2	620.0	618.2
175°	601.9	604.2	604.2	604.2	606.6	604.2	601.9
177.5°	595.2	595.2	596.1	595.2	596.1	594.2	592.4
180°	591.5	591.5	591.5	591.5	591.5	591.5	591.5

(END OF REPORT)