

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: P332708-927

Luminaire Tested: **SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332708-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 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: 7622.8 lumens
Efficiency: N/A
Efficacy: 106.3 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

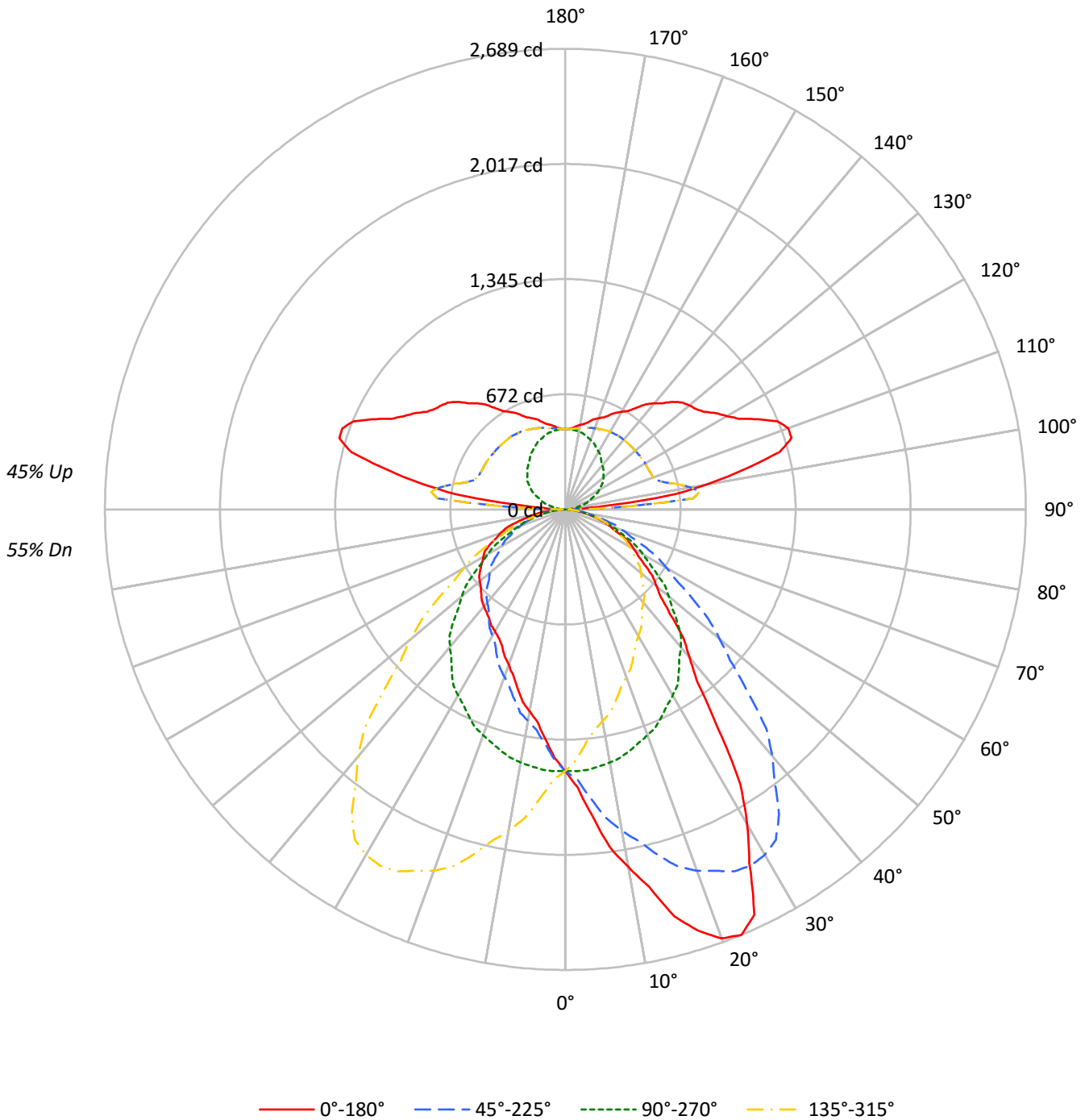
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	74	71	65	63	61	54	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	49	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	25	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	29	36	30	26	31	26	23	27	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	25	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12327	12327	12327	12327
5°	14515	12358	10907	12358
10°	17379	12304	9820	12304
15°	20563	12179	9018	12179
20°	22898	12052	8303	12052
25°	23267	11866	7808	11866
30°	19799	11686	7652	11686
35°	15221	11395	7655	11395
40°	11864	11052	7798	11052
45°	9893	10535	7929	10535
50°	8706	9905	8199	9905
55°	7976	9151	8528	9151
60°	7476	8477	8925	8477
65°	6959	7721	9255	7721
70°	6359	6973	9465	6973
75°	5680	6135	9351	6135
80°	4761	5026	9056	5026
85°	3511	3631	8670	3631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	2.0
10°-20°	458.5	6.0
20°-30°	727.0	9.5
30°-40°	809.1	10.6
40°-50°	736.5	9.7
50°-60°	601.9	7.9
60°-70°	429.7	5.6
70°-80°	236.6	3.1
80°-90°	67.2	0.9
90°-100°	338.4	4.4
100°-110°	704.3	9.2
110°-120°	630.9	8.3
120°-130°	530.7	7.0
130°-140°	442.5	5.8
140°-150°	338.0	4.4
150°-160°	237.6	3.1
160°-170°	139.8	1.8
170°-180°	45.5	0.6
0°-30°	1334.3	17.5
0°-40°	2143.4	28.1
0°-60°	3481.7	45.7
0°-90°	4215.1	55.3
90°-120°	1673.6	22.0
90°-150°	2984.8	39.2
90°-180°	3408.0	44.7
0°-180°	7622.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1527	1527	1527	1527	1527	
5°	1791	1525	1346	1525	1791	182
15°	2460	1457	1079	1457	2460	695
25°	2612	1332	877	1332	2612	1152
35°	1544	1156	777	1156	1544	980
45°	866	923	694	923	866	683
55°	567	650	606	650	567	512
65°	364	404	484	404	364	361
75°	182	197	300	197	182	194
85°	38	39	94	39	38	47
90°	19	1	19	1	19	17
95°	225	30	225	30	225	349
105°	1295	108	1295	108	1295	1280
115°	1244	190	1244	190	1244	1235
125°	992	264	992	264	992	902
135°	887	314	887	314	887	685
145°	724	362	724	362	724	459
155°	607	412	607	412	607	283
165°	529	448	529	448	529	152
175°	477	468	477	468	477	46
180°	469	469	469	469	469	



TEST NUMBER: P332708-927

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1625.0	1624.4	1619.5	1618.4	1614.9	1610.3	1609.3	1601.2	1585.0	1577.4	1575.4
5°	1791.2	1803.9	1787.4	1784.2	1782.3	1761.5	1750.7	1738.0	1709.0	1691.9	1678.6
7.5°	1989.6	1991.1	1983.9	1978.1	1962.0	1943.8	1916.4	1887.4	1852.7	1816.6	1789.5
10°	2120.1	2125.2	2116.9	2115.7	2083.4	2063.2	2022.7	1988.5	1949.3	1905.7	1865.8
12.5°	2257.7	2250.7	2246.5	2219.4	2213.4	2176.5	2129.5	2094.3	2033.8	1983.6	1930.6
15°	2460.4	2446.5	2437.6	2400.3	2381.9	2330.7	2280.8	2242.2	2163.1	2087.9	2030.9
17.5°	2579.3	2593.2	2572.7	2557.4	2510.0	2474.1	2423.0	2342.0	2280.1	2186.7	2114.8
20°	2665.3	2666.6	2655.2	2639.4	2602.1	2556.5	2500.8	2412.3	2338.3	2245.4	2146.7
22.5°	2688.6	2688.8	2684.0	2669.3	2641.0	2604.1	2547.9	2474.1	2384.4	2283.3	2184.6
25°	2612.1	2609.6	2615.3	2631.8	2621.0	2609.6	2577.4	2522.4	2438.9	2331.9	2225.7
27.5°	2328.3	2345.7	2377.9	2418.4	2457.3	2487.1	2495.5	2484.1	2432.4	2344.5	2233.2
30°	2123.9	2145.4	2169.5	2209.9	2288.4	2333.2	2382.6	2419.9	2399.0	2328.9	2225.1
32.5°	1899.3	1904.6	1940.2	1986.2	2058.1	2144.5	2222.7	2298.4	2323.6	2286.8	2200.3
35°	1544.5	1553.4	1592.0	1637.5	1725.5	1831.1	1948.7	2053.7	2140.3	2175.1	2130.8
37.5°	1260.4	1285.9	1313.0	1362.0	1439.4	1534.5	1656.8	1792.6	1921.8	2008.3	2022.9
40°	1125.8	1141.6	1161.3	1198.6	1264.3	1358.0	1462.9	1618.5	1755.8	1879.8	1920.2
42.5°	1019.5	1028.8	1040.8	1074.6	1124.7	1217.8	1313.7	1450.6	1588.3	1736.5	1804.4
45°	866.5	876.0	896.2	915.8	953.8	1018.3	1107.5	1220.0	1358.6	1501.5	1626.7
47.5°	756.0	762.0	774.0	795.0	827.3	869.8	942.4	1036.4	1164.8	1303.5	1437.0
50°	693.2	698.2	707.7	726.7	751.4	789.3	848.8	936.7	1037.3	1177.0	1308.0
52.5°	643.6	645.6	652.6	665.5	685.1	717.0	765.8	838.5	932.0	1056.6	1187.1
55°	566.7	569.3	575.6	585.0	602.1	622.3	659.7	714.1	795.7	903.8	1017.0
57.5°	503.4	505.3	510.6	514.2	528.2	544.7	573.4	612.3	674.1	765.8	866.9
60°	463.0	461.7	468.0	471.2	480.7	494.6	516.7	554.1	607.8	681.8	774.8
62.5°	423.5	421.8	427.1	431.3	436.7	448.5	466.7	495.9	539.5	606.4	686.7
65°	364.3	361.8	365.0	370.0	375.1	381.4	394.7	420.6	455.4	503.4	564.8
67.5°	304.8	307.5	308.0	310.5	313.5	322.1	331.1	349.5	374.1	412.5	464.5
70°	269.4	270.1	272.6	272.6	274.5	282.1	289.7	300.4	324.5	359.9	402.3
72.5°	234.0	236.7	235.7	237.7	239.1	244.2	249.7	259.9	280.4	306.7	342.5
75°	182.1	184.0	184.0	184.7	186.6	188.5	192.9	200.5	215.1	234.6	259.3
77.5°	132.8	133.1	134.0	136.3	136.3	139.3	142.6	148.6	155.8	169.3	184.3
80°	102.4	103.7	103.1	104.3	104.3	106.9	108.1	115.7	118.9	127.8	139.7
82.5°	75.2	76.4	76.3	78.0	79.1	79.5	81.4	84.4	87.5	95.4	100.3
85°	37.9	39.2	37.9	39.2	41.1	41.7	43.6	44.3	46.8	48.7	53.2
87.5°	15.0	16.5	16.7	17.0	17.8	18.4	18.7	18.0	19.8	20.5	22.2
90°	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6	15.7	16.6	14.7
92.5°	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8	243.2	292.0	255.6
95°	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1	771.4	750.2	566.1
97.5°	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8	969.2	790.2	529.8
100°	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2	975.7	740.1	480.5
102.5°	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0	920.5	677.5	447.3
105°	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9	820.1	603.9	418.8
107.5°	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8	739.2	562.6	413.7
110°	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5	698.7	548.7	415.2



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1	675.8	542.0	419.5
115°	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5	654.5	538.5	428.0
117.5°	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7	644.9	537.6	437.0
120°	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4	639.8	537.6	443.7
122.5°	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5	633.9	536.9	450.4
125°	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5	624.1	535.8	460.3
127.5°	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0	611.0	533.7	468.2
130°	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4	602.9	533.0	474.0
132.5°	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8	595.6	532.3	479.2
135°	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5	584.6	531.2	487.0
137.5°	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2	575.0	530.9	491.5
140°	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1	569.8	530.2	495.3
142.5°	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8	565.4	530.2	498.2
145°	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3	557.9	528.4	499.9
147.5°	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4	551.0	525.1	500.7
150°	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0	545.9	522.8	500.7
152.5°	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8	540.0	519.2	499.3
155°	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7	531.2	513.7	497.1
157.5°	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6	522.1	507.9	494.7
160°	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6	515.5	503.5	492.5
162.5°	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4	509.6	499.1	490.3
165°	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2	499.9	492.5	486.0
167.5°	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4	491.0	485.8	481.6
170°	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7	485.1	481.4	478.6
172.5°	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8	480.0	477.0	475.7
175°	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9	474.0	472.2	472.2
177.5°	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7	470.0	469.3	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1575.9	1568.8	1563.8	1559.7	1548.6	1542.0	1536.9	1529.9	1521.8	1513.1	1502.5
5°	1665.3	1643.9	1628.0	1604.0	1581.2	1562.3	1542.6	1525.0	1503.4	1480.0	1462.9
7.5°	1759.4	1727.4	1686.3	1650.8	1610.8	1576.0	1544.9	1513.1	1479.9	1447.8	1418.3
10°	1819.0	1777.9	1732.3	1678.6	1628.0	1583.1	1541.3	1500.9	1461.7	1422.4	1388.9
12.5°	1883.3	1832.1	1764.7	1701.9	1645.2	1585.2	1534.8	1485.2	1437.9	1396.7	1357.6
15°	1969.6	1895.5	1817.7	1733.6	1659.0	1588.8	1519.9	1457.2	1404.1	1349.7	1311.8
17.5°	2022.6	1931.0	1842.1	1754.1	1663.8	1575.3	1500.9	1428.7	1362.2	1308.1	1260.3
20°	2057.5	1966.4	1855.7	1767.8	1660.3	1569.2	1483.2	1402.9	1333.3	1275.7	1226.4
22.5°	2087.9	1982.6	1871.9	1756.2	1649.2	1552.5	1458.4	1377.5	1306.5	1245.9	1198.6
25°	2104.3	1983.5	1863.3	1748.2	1626.7	1512.3	1426.9	1332.1	1256.1	1192.2	1141.6
27.5°	2106.1	1976.9	1841.0	1713.0	1587.7	1481.1	1373.2	1288.5	1209.7	1142.2	1093.6
30°	2100.5	1965.8	1819.6	1681.2	1555.3	1439.6	1345.9	1253.6	1173.3	1106.2	1055.6
32.5°	2082.8	1942.5	1792.3	1645.8	1515.3	1402.1	1305.4	1217.7	1139.4	1073.3	1020.2
35°	2031.6	1893.0	1733.0	1580.6	1447.2	1332.7	1245.4	1156.2	1077.8	1015.2	963.9
37.5°	1951.5	1826.2	1663.6	1505.9	1374.8	1259.8	1173.3	1092.7	1022.0	958.4	905.9
40°	1881.7	1771.6	1608.4	1454.7	1313.0	1203.6	1122.7	1048.7	978.4	918.4	868.4
42.5°	1801.2	1705.3	1554.8	1391.9	1255.4	1145.4	1066.5	1000.1	933.9	878.4	828.5
45°	1657.7	1594.5	1452.9	1302.3	1160.0	1056.2	981.0	922.8	867.1	812.8	771.0
47.5°	1492.8	1461.4	1342.1	1199.2	1064.1	961.9	896.6	842.9	794.0	748.0	711.1
50°	1382.0	1366.8	1263.7	1125.8	996.8	900.6	834.9	788.7	746.9	706.5	671.7
52.5°	1272.7	1272.2	1179.2	1053.0	933.6	841.0	775.7	732.5	696.4	663.5	632.2
55°	1105.6	1123.3	1050.6	937.9	831.1	747.6	688.8	650.2	624.9	597.7	574.3
57.5°	952.1	981.5	921.5	822.4	733.2	656.2	605.1	576.1	549.1	532.7	515.6
60°	852.0	879.8	833.0	749.5	665.4	599.6	550.9	525.0	501.5	490.2	478.2
62.5°	762.9	787.7	753.0	675.7	602.6	539.4	498.3	473.3	457.6	445.1	437.2
65°	635.6	656.6	626.8	570.5	507.9	457.3	423.7	404.2	389.0	383.9	375.1
67.5°	513.8	532.8	516.7	468.9	418.7	380.4	354.2	335.3	326.4	321.9	315.6
70°	441.5	460.4	443.4	401.6	363.1	330.8	306.1	295.4	285.9	284.0	275.1
72.5°	380.2	393.2	376.0	343.4	310.5	283.2	264.1	252.9	248.0	244.5	239.7
75°	285.3	296.7	285.3	259.9	236.5	217.6	201.1	196.7	191.0	189.1	185.9
77.5°	201.9	211.8	203.0	187.2	169.8	155.1	146.2	140.5	139.3	136.0	137.5
80°	154.3	160.7	152.4	141.6	127.8	117.6	111.3	108.1	104.3	103.1	105.6
82.5°	110.8	113.6	109.4	102.2	91.8	85.2	81.0	77.3	76.5	76.8	76.8
85°	57.6	57.0	56.3	50.0	46.8	42.4	39.8	39.2	38.6	39.8	41.1
87.5°	21.8	22.3	20.7	18.7	17.0	15.3	14.2	13.3	14.2	15.3	15.9
90°	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0	2.8	5.5	6.4
92.5°	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5	15.3	23.9	35.2
95°	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3	33.1	42.4	54.3
97.5°	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5	54.5	62.4	73.4
100°	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9	69.9	76.4	87.5
102.5°	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7	86.2	91.9	102.2
105°	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7	110.4	115.1	126.1
107.5°	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1	134.9	139.6	151.3
110°	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0	151.9	156.5	167.5



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3	168.1	173.4	183.7
115°	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6	192.4	198.8	208.0
117.5°	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9	216.5	222.2	232.3
120°	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1	232.0	238.4	248.5
122.5°	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9	246.7	253.2	262.5
125°	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2	267.8	273.4	283.5
127.5°	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3	284.2	290.9	302.5
130°	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9	294.5	301.9	315.8
132.5°	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5	303.4	313.0	326.1
135°	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9	317.6	326.8	342.5
137.5°	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3	330.8	341.0	355.8
140°	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9	339.7	349.8	365.4
142.5°	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2	350.0	359.3	374.3
145°	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8	364.6	373.8	386.6
147.5°	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1	379.1	387.1	400.4
150°	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5	389.4	396.7	407.8
152.5°	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0	398.2	405.6	415.9
155°	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5	412.4	417.9	427.1
157.5°	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5	424.5	429.7	436.9
160°	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6	432.6	436.3	442.8
162.5°	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0	439.3	442.2	447.9
165°	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3	448.3	450.1	454.7
167.5°	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6	455.7	456.6	460.1
170°	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3	459.3	460.3	463.0
172.5°	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9	463.0	463.2	465.2
175°	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6	466.7	466.7	467.6
177.5°	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3	468.6	467.8	468.6
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1497.5	1492.9	1486.4	1477.3	1469.7	1461.6	1459.5	1456.5	1462.5	1457.5	1456.0
5°	1448.4	1435.1	1418.0	1398.4	1387.0	1370.6	1367.5	1361.1	1354.8	1354.2	1347.8
7.5°	1396.4	1376.9	1354.6	1334.5	1316.1	1298.1	1286.3	1283.8	1274.5	1269.0	1262.7
10°	1363.0	1338.9	1313.0	1294.1	1272.6	1253.6	1240.3	1232.7	1226.4	1219.4	1213.1
12.5°	1323.6	1298.0	1276.6	1256.1	1230.6	1216.2	1194.3	1181.1	1179.9	1180.0	1163.6
15°	1277.6	1252.4	1219.4	1190.3	1176.4	1148.6	1136.5	1121.4	1111.9	1102.4	1094.9
17.5°	1225.1	1193.7	1167.9	1134.6	1108.0	1085.8	1070.1	1061.0	1046.6	1033.2	1023.5
20°	1192.2	1158.7	1131.6	1096.1	1067.0	1039.8	1026.5	1013.9	1003.1	991.7	981.0
22.5°	1158.8	1123.8	1090.5	1056.1	1029.0	1000.4	987.5	970.3	960.1	953.8	943.0
25°	1106.2	1068.3	1030.3	997.4	969.6	944.3	927.2	913.9	902.5	897.5	890.6
27.5°	1049.0	1011.4	974.7	937.3	905.7	887.4	873.7	863.7	857.1	850.4	847.3
30°	1012.6	973.4	934.2	899.4	870.3	852.0	839.3	832.3	827.3	824.1	820.9
32.5°	975.7	937.0	895.7	864.0	837.9	821.6	812.0	805.0	802.5	801.4	800.3
35°	916.5	877.3	839.3	810.9	786.2	779.8	771.7	767.9	766.6	771.0	772.9
37.5°	859.2	822.8	787.8	760.3	744.1	734.8	732.1	732.1	736.7	740.6	745.2
40°	822.2	786.8	753.9	729.9	714.7	709.0	707.7	710.9	716.0	720.4	725.5
42.5°	786.3	751.4	721.5	699.0	688.4	683.2	684.0	687.1	694.2	699.7	707.3
45°	730.6	701.4	672.3	654.0	645.2	646.4	646.4	652.1	659.0	667.3	675.5
47.5°	678.0	648.7	624.8	609.3	604.8	603.6	607.2	614.7	624.6	634.8	646.3
50°	642.6	614.8	593.9	580.0	575.0	576.9	581.9	588.8	600.9	613.5	625.5
52.5°	606.7	581.4	562.1	549.1	545.6	549.0	554.1	565.1	575.6	589.2	603.8
55°	550.9	529.4	514.2	504.7	503.4	505.3	511.0	523.1	538.2	555.3	569.3
57.5°	495.4	477.4	463.5	456.9	457.6	459.3	468.7	483.0	499.2	517.4	535.4
60°	457.9	441.5	430.1	425.0	425.6	429.4	440.8	454.2	474.4	492.1	511.0
62.5°	422.5	408.1	397.2	392.7	391.7	400.1	411.0	424.8	445.0	464.8	485.2
65°	365.6	354.2	345.3	342.8	344.7	351.0	365.0	383.3	400.4	421.2	442.8
67.5°	309.9	300.6	294.5	295.6	297.9	307.3	318.9	334.7	354.1	375.7	397.0
70°	274.5	265.6	260.5	261.2	265.0	276.4	286.5	302.3	323.2	345.3	363.1
72.5°	238.1	232.3	227.7	230.4	234.2	242.0	254.6	270.5	288.8	309.4	328.1
75°	182.8	182.8	180.2	182.1	187.8	195.4	204.9	221.3	239.7	256.2	271.3
77.5°	135.6	134.2	135.9	138.2	141.4	150.4	161.3	173.0	186.9	203.3	215.8
80°	103.7	104.3	107.5	111.3	112.6	119.5	130.9	141.6	152.4	166.4	178.4
82.5°	78.0	78.6	80.2	85.0	86.3	93.7	101.1	111.9	121.6	130.9	140.9
85°	42.4	42.4	45.6	47.5	50.6	55.7	60.0	66.4	75.3	81.6	91.1
87.5°	17.7	17.7	20.8	21.8	23.7	26.6	27.4	33.2	35.4	38.1	42.6
90°	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6	17.5	18.4	18.4
92.5°	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8	136.0	108.3	89.8
95°	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1	539.4	416.1	326.8
97.5°	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8	954.7	864.7	768.7
100°	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2	1128.5	1083.5	1015.3
102.5°	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0	1196.3	1209.3	1181.0
105°	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9	1190.3	1281.4	1319.1
107.5°	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8	1095.4	1223.8	1305.8
110°	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5	1021.8	1155.2	1256.5



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1	957.0	1083.1	1184.3
115°	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5	882.8	990.5	1078.9
117.5°	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7	840.4	925.1	1000.1
120°	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4	822.0	895.6	961.0
122.5°	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5	810.2	877.3	934.5
125°	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5	791.6	855.2	905.8
127.5°	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0	769.8	833.1	881.1
130°	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4	752.1	814.7	863.5
132.5°	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8	732.2	793.3	842.1
135°	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5	702.3	758.5	804.5
137.5°	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2	673.8	721.1	762.7
140°	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1	655.4	696.8	735.5
142.5°	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8	639.9	675.5	709.0
145°	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3	618.6	646.2	672.0
147.5°	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4	600.2	622.3	642.5
150°	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0	589.1	607.5	624.1
152.5°	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8	578.1	595.0	608.6
155°	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7	562.4	576.2	587.3
157.5°	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6	547.0	558.6	567.4
160°	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6	536.6	546.8	554.1
162.5°	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4	527.1	535.0	541.6
165°	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2	512.7	519.2	523.8
167.5°	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4	500.6	505.7	508.5
170°	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7	492.5	496.1	498.9
172.5°	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8	485.8	488.1	490.0
175°	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9	476.8	478.6	478.6
177.5°	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7	471.5	471.5	472.2
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1455.0	1454.0	1450.4	1449.9	1450.4	1454.0	1455.0	1456.0	1457.5	1462.5	1456.5
5°	1344.0	1340.8	1338.9	1345.9	1338.9	1340.8	1344.0	1347.8	1354.2	1354.8	1361.1
7.5°	1260.4	1257.9	1252.4	1250.5	1252.4	1257.9	1260.4	1262.7	1269.0	1274.5	1283.8
10°	1206.8	1204.3	1199.2	1197.9	1199.2	1204.3	1206.8	1213.1	1219.4	1226.4	1232.7
12.5°	1155.2	1150.1	1149.1	1150.4	1149.1	1150.1	1155.2	1163.6	1180.0	1179.9	1181.1
15°	1086.6	1084.1	1077.1	1079.0	1077.1	1084.1	1086.6	1094.9	1102.4	1111.9	1121.4
17.5°	1019.1	1016.1	1007.6	1015.0	1007.6	1016.1	1019.1	1023.5	1033.2	1046.6	1061.0
20°	976.5	971.5	967.1	966.5	967.1	971.5	976.5	981.0	991.7	1003.1	1013.9
22.5°	936.0	931.5	931.1	927.0	931.1	931.5	936.0	943.0	953.8	960.1	970.3
25°	885.5	881.1	879.8	876.6	879.8	881.1	885.5	890.6	897.5	902.5	913.9
27.5°	846.7	844.5	842.2	843.2	842.2	844.5	846.7	847.3	850.4	857.1	863.7
30°	822.8	822.2	820.9	820.9	820.9	822.2	822.8	820.9	824.1	827.3	832.3
32.5°	803.1	803.0	803.7	803.7	803.7	803.0	803.1	800.3	801.4	802.5	805.0
35°	775.5	777.3	778.6	776.7	778.6	777.3	775.5	772.9	771.0	766.6	767.9
37.5°	750.4	752.3	754.1	756.2	754.1	752.3	750.4	745.2	740.6	736.7	732.1
40°	731.2	735.6	736.8	740.0	736.8	735.6	731.2	725.5	720.4	716.0	710.9
42.5°	713.0	717.9	721.1	721.8	721.1	717.9	713.0	707.3	699.7	694.2	687.1
45°	685.0	690.1	694.5	694.5	694.5	690.1	685.0	675.5	667.3	659.0	652.1
47.5°	656.0	663.4	667.8	668.9	667.8	663.4	656.0	646.3	634.8	624.6	614.7
50°	636.3	645.2	649.6	652.8	649.6	645.2	636.3	625.5	613.5	600.9	588.8
52.5°	617.0	625.9	631.8	633.5	631.8	625.9	617.0	603.8	589.2	575.6	565.1
55°	583.8	596.4	603.4	605.9	603.4	596.4	583.8	569.3	555.3	538.2	523.1
57.5°	552.4	564.0	572.1	574.0	572.1	564.0	552.4	535.4	517.4	499.2	483.0
60°	528.1	540.7	550.9	552.8	550.9	540.7	528.1	511.0	492.1	474.4	454.2
62.5°	503.4	516.5	525.6	530.5	525.6	516.5	503.4	485.2	464.8	445.0	424.8
65°	460.4	473.7	482.6	484.5	482.6	473.7	460.4	442.8	421.2	400.4	383.3
67.5°	413.7	426.9	432.8	436.4	432.8	426.9	413.7	397.0	375.7	354.1	334.7
70°	380.7	391.5	397.8	401.0	397.8	391.5	380.7	363.1	345.3	323.2	302.3
72.5°	343.3	354.6	361.9	362.5	361.9	354.6	343.3	328.1	309.4	288.8	270.5
75°	285.9	296.0	299.8	299.8	299.8	296.0	285.9	271.3	256.2	239.7	221.3
77.5°	226.3	231.5	236.3	237.3	236.3	231.5	226.3	215.8	203.3	186.9	173.0
80°	187.8	191.0	194.8	194.8	194.8	191.0	187.8	178.4	166.4	152.4	141.6
82.5°	148.4	151.1	154.9	154.3	154.9	151.1	148.4	140.9	130.9	121.6	111.9
85°	89.8	95.5	94.9	93.6	94.9	95.5	89.8	91.1	81.6	75.3	66.4
87.5°	44.4	45.0	46.3	47.4	46.3	45.0	44.4	42.6	38.1	35.4	33.2
90°	19.3	20.3	19.3	19.3	19.3	20.3	19.3	18.4	18.4	17.5	16.6
92.5°	79.0	74.0	70.9	70.9	70.9	74.0	79.0	89.8	108.3	136.0	180.8
95°	281.7	253.2	236.5	224.6	236.5	253.2	281.7	326.8	416.1	539.4	682.1
97.5°	702.5	647.1	619.5	600.4	619.5	647.1	702.5	768.7	864.7	954.7	1007.8
100°	935.3	879.1	851.5	844.1	851.5	879.1	935.3	1015.3	1083.5	1128.5	1110.2
102.5°	1131.9	1091.2	1062.1	1056.2	1062.1	1091.2	1131.9	1181.0	1209.3	1196.3	1105.0
105°	1321.0	1313.6	1300.7	1295.1	1300.7	1313.6	1321.0	1319.1	1281.4	1190.3	1030.9
107.5°	1351.3	1372.3	1381.5	1383.9	1381.5	1372.3	1351.3	1305.8	1223.8	1095.4	925.8
110°	1321.8	1360.5	1377.1	1385.4	1377.1	1360.5	1321.8	1256.5	1155.2	1021.8	862.5



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1258.5	1305.3	1328.5	1342.0	1328.5	1305.3	1258.5	1184.3	1083.1	957.0	816.1
115°	1151.6	1206.8	1236.3	1243.6	1236.3	1206.8	1151.6	1078.9	990.5	882.8	769.5
117.5°	1062.1	1108.5	1138.3	1144.0	1138.3	1108.5	1062.1	1000.1	925.1	840.4	746.7
120°	1013.5	1054.0	1077.9	1088.1	1077.9	1054.0	1013.5	961.0	895.6	822.0	736.4
122.5°	978.9	1013.5	1033.7	1043.9	1033.7	1013.5	978.9	934.5	877.3	810.2	727.5
125°	942.6	969.3	986.8	992.3	986.8	969.3	942.6	905.8	855.2	791.6	712.5
127.5°	918.1	941.9	956.6	962.1	956.6	941.9	918.1	881.1	833.1	769.8	694.0
130°	901.2	924.2	938.9	944.4	938.9	924.2	901.2	863.5	814.7	752.1	679.4
132.5°	879.1	905.1	919.0	924.6	919.0	905.1	879.1	842.1	793.3	732.2	663.8
135°	841.4	867.1	881.9	887.4	881.9	867.1	841.4	804.5	758.5	702.3	642.5
137.5°	797.2	822.6	834.7	841.4	834.7	822.6	797.2	762.7	721.1	673.8	623.2
140°	767.7	788.0	800.8	808.2	800.8	788.0	767.7	735.5	696.8	655.4	612.1
142.5°	737.5	756.3	767.7	772.9	767.7	756.3	737.5	709.0	675.5	639.9	601.8
145°	695.0	710.7	719.9	724.5	719.9	710.7	695.0	672.0	646.2	618.6	587.3
147.5°	659.5	672.9	679.9	681.5	679.9	672.9	659.5	642.5	622.3	600.2	575.4
150°	638.8	650.8	656.3	657.3	656.3	650.8	638.8	624.1	607.5	589.1	568.0
152.5°	621.2	630.9	634.2	635.2	634.2	630.9	621.2	608.6	595.0	578.1	559.8
155°	596.5	603.9	606.7	606.7	606.7	603.9	596.5	587.3	576.2	562.4	547.7
157.5°	574.4	580.0	581.6	581.6	581.6	580.0	574.4	567.4	558.6	547.0	534.6
160°	559.7	565.2	566.1	566.1	566.1	565.2	559.7	554.1	546.8	536.6	526.6
162.5°	545.7	551.2	552.2	551.4	552.2	551.2	545.7	541.6	535.0	527.1	518.4
165°	527.4	531.2	530.2	529.3	530.2	531.2	527.4	523.8	519.2	512.7	507.2
167.5°	510.3	512.7	512.5	511.8	512.5	512.7	510.3	508.5	505.7	500.6	496.4
170°	500.7	501.7	500.7	500.7	500.7	501.7	500.7	498.9	496.1	492.5	489.7
172.5°	491.2	492.1	491.2	489.7	491.2	492.1	491.2	490.0	488.1	485.8	483.8
175°	478.6	480.5	478.6	476.8	478.6	480.5	478.6	478.6	478.6	476.8	475.9
177.5°	471.5	472.2	470.7	469.3	470.7	472.2	471.5	472.2	471.5	471.5	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1459.5	1461.6	1469.7	1477.3	1486.4	1492.9	1497.5	1502.5	1513.1	1521.8	1529.9
5°	1367.5	1370.6	1387.0	1398.4	1418.0	1435.1	1448.4	1462.9	1480.0	1503.4	1525.0
7.5°	1286.3	1298.1	1316.1	1334.5	1354.6	1376.9	1396.4	1418.3	1447.8	1479.9	1513.1
10°	1240.3	1253.6	1272.6	1294.1	1313.0	1338.9	1363.0	1388.9	1422.4	1461.7	1500.9
12.5°	1194.3	1216.2	1230.6	1256.1	1276.6	1298.0	1323.6	1357.6	1396.7	1437.9	1485.2
15°	1136.5	1148.6	1176.4	1190.3	1219.4	1252.4	1277.6	1311.8	1349.7	1404.1	1457.2
17.5°	1070.1	1085.8	1108.0	1134.6	1167.9	1193.7	1225.1	1260.3	1308.1	1362.2	1428.7
20°	1026.5	1039.8	1067.0	1096.1	1131.6	1158.7	1192.2	1226.4	1275.7	1333.3	1402.9
22.5°	987.5	1000.4	1029.0	1056.1	1090.5	1123.8	1158.8	1198.6	1245.9	1306.5	1377.5
25°	927.2	944.3	969.6	997.4	1030.3	1068.3	1106.2	1141.6	1192.2	1256.1	1332.1
27.5°	873.7	887.4	905.7	937.3	974.7	1011.4	1049.0	1093.6	1142.2	1209.7	1288.5
30°	839.3	852.0	870.3	899.4	934.2	973.4	1012.6	1055.6	1106.2	1173.3	1253.6
32.5°	812.0	821.6	837.9	864.0	895.7	937.0	975.7	1020.2	1073.3	1139.4	1217.7
35°	771.7	779.8	786.2	810.9	839.3	877.3	916.5	963.9	1015.2	1077.8	1156.2
37.5°	732.1	734.8	744.1	760.3	787.8	822.8	859.2	905.9	958.4	1022.0	1092.7
40°	707.7	709.0	714.7	729.9	753.9	786.8	822.2	868.4	918.4	978.4	1048.7
42.5°	684.0	683.2	688.4	699.0	721.5	751.4	786.3	828.5	878.4	933.9	1000.1
45°	646.4	646.4	645.2	654.0	672.3	701.4	730.6	771.0	812.8	867.1	922.8
47.5°	607.2	603.6	604.8	609.3	624.8	648.7	678.0	711.1	748.0	794.0	842.9
50°	581.9	576.9	575.0	580.0	593.9	614.8	642.6	671.7	706.5	746.9	788.7
52.5°	554.1	549.0	545.6	549.1	562.1	581.4	606.7	632.2	663.5	696.4	732.5
55°	511.0	505.3	503.4	504.7	514.2	529.4	550.9	574.3	597.7	624.9	650.2
57.5°	468.7	459.3	457.6	456.9	463.5	477.4	495.4	515.6	532.7	549.1	576.1
60°	440.8	429.4	425.6	425.0	430.1	441.5	457.9	478.2	490.2	501.5	525.0
62.5°	411.0	400.1	391.7	392.7	397.2	408.1	422.5	437.2	445.1	457.6	473.3
65°	365.0	351.0	344.7	342.8	345.3	354.2	365.6	375.1	383.9	389.0	404.2
67.5°	318.9	307.3	297.9	295.6	294.5	300.6	309.9	315.6	321.9	326.4	335.3
70°	286.5	276.4	265.0	261.2	260.5	265.6	274.5	275.1	284.0	285.9	295.4
72.5°	254.6	242.0	234.2	230.4	227.7	232.3	238.1	239.7	244.5	248.0	252.9
75°	204.9	195.4	187.8	182.1	180.2	182.8	182.8	185.9	189.1	191.0	196.7
77.5°	161.3	150.4	141.4	138.2	135.9	134.2	135.6	137.5	136.0	139.3	140.5
80°	130.9	119.5	112.6	111.3	107.5	104.3	103.7	105.6	103.1	104.3	108.1
82.5°	101.1	93.7	86.3	85.0	80.2	78.6	78.0	76.8	76.8	76.5	77.3
85°	60.0	55.7	50.6	47.5	45.6	42.4	42.4	41.1	39.8	38.6	39.2
87.5°	27.4	26.6	23.7	21.8	20.8	17.7	17.7	15.9	15.3	14.2	13.3
90°	15.7	16.6	14.7	12.9	12.9	7.4	7.4	6.4	5.5	2.8	1.0
92.5°	243.2	292.0	255.6	185.9	114.5	67.7	48.6	35.2	23.9	15.3	10.5
95°	771.4	750.2	566.1	346.1	195.1	115.1	76.4	54.3	42.4	33.1	30.3
97.5°	969.2	790.2	529.8	311.2	186.5	124.8	92.4	73.4	62.4	54.5	54.5
100°	975.7	740.1	480.5	292.7	188.7	134.4	105.0	87.5	76.4	69.9	69.9
102.5°	920.5	677.5	447.3	287.6	196.1	146.9	118.9	102.2	91.9	86.2	84.7
105°	820.1	603.9	418.8	289.9	213.6	169.4	142.7	126.1	115.1	110.4	107.7
107.5°	739.2	562.6	413.7	303.6	234.0	193.5	167.2	151.3	139.6	134.9	133.1
110°	698.7	548.7	415.2	313.9	249.5	209.0	184.1	167.5	156.5	151.9	150.0



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	675.8	542.0	419.5	325.0	264.2	225.1	200.3	183.7	173.4	168.1	166.3
115°	654.5	538.5	428.0	342.5	287.2	250.4	225.5	208.0	198.8	192.4	189.6
117.5°	644.9	537.6	437.0	360.3	309.5	274.5	248.7	232.3	222.2	216.5	213.9
120°	639.8	537.6	443.7	372.8	325.0	289.9	264.2	248.5	238.4	232.0	230.1
122.5°	633.9	536.9	450.4	384.6	339.7	304.7	279.6	262.5	253.2	246.7	244.9
125°	624.1	535.8	460.3	402.3	359.9	326.8	301.0	283.5	273.4	267.8	264.2
127.5°	611.0	533.7	468.2	417.6	378.7	346.7	320.7	302.5	290.9	284.2	281.3
130°	602.9	533.0	474.0	427.1	391.3	359.9	333.2	315.8	301.9	294.5	290.9
132.5°	595.6	532.3	479.2	436.7	401.6	370.3	345.0	326.1	313.0	303.4	300.5
135°	584.6	531.2	487.0	449.2	416.1	385.7	361.8	342.5	326.8	317.6	313.9
137.5°	575.0	530.9	491.5	458.0	427.1	398.8	376.0	355.8	341.0	330.8	327.3
140°	569.8	530.2	495.3	463.9	434.5	406.9	384.8	365.4	349.8	339.7	336.9
142.5°	565.4	530.2	498.2	468.3	441.1	414.2	392.8	374.3	359.3	350.0	347.2
145°	557.9	528.4	499.9	473.2	448.3	424.4	404.1	386.6	373.8	364.6	361.8
147.5°	551.0	525.1	500.7	477.4	455.7	433.2	414.9	400.4	387.1	379.1	378.1
150°	545.9	522.8	500.7	479.6	459.3	439.1	421.6	407.8	396.7	389.4	388.5
152.5°	540.0	519.2	499.3	481.1	462.3	444.3	428.3	415.9	405.6	398.2	398.0
155°	531.2	513.7	497.1	482.4	466.7	451.1	437.3	427.1	417.9	412.4	411.5
157.5°	522.1	507.9	494.7	482.4	469.8	456.6	445.7	436.9	429.7	424.5	424.5
160°	515.5	503.5	492.5	482.4	471.3	460.3	450.1	442.8	436.3	432.6	432.6
162.5°	509.6	499.1	490.3	482.4	472.8	462.5	454.6	447.9	442.2	439.3	440.0
165°	499.9	492.5	486.0	480.5	473.2	464.9	459.3	454.7	450.1	448.3	448.3
167.5°	491.0	485.8	481.6	478.3	472.9	466.9	462.6	460.1	456.6	455.7	456.6
170°	485.1	481.4	478.6	476.8	472.2	467.6	464.9	463.0	460.3	459.3	460.3
172.5°	480.0	477.0	475.7	475.4	471.5	468.3	466.4	465.2	463.2	463.0	463.9
175°	474.0	472.2	472.2	473.2	470.4	468.6	468.6	467.6	466.7	466.7	467.6
177.5°	470.0	469.3	469.3	470.7	469.3	468.6	468.6	468.6	467.8	468.6	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1536.9	1542.0	1548.6	1559.7	1563.8	1568.8	1575.9	1575.4	1577.4	1585.0	1601.2
5°	1542.6	1562.3	1581.2	1604.0	1628.0	1643.9	1665.3	1678.6	1691.9	1709.0	1738.0
7.5°	1544.9	1576.0	1610.8	1650.8	1686.3	1727.4	1759.4	1789.5	1816.6	1852.7	1887.4
10°	1541.3	1583.1	1628.0	1678.6	1732.3	1777.9	1819.0	1865.8	1905.7	1949.3	1988.5
12.5°	1534.8	1585.2	1645.2	1701.9	1764.7	1832.1	1883.3	1930.6	1983.6	2033.8	2094.3
15°	1519.9	1588.8	1659.0	1733.6	1817.7	1895.5	1969.6	2030.9	2087.9	2163.1	2242.2
17.5°	1500.9	1575.3	1663.8	1754.1	1842.1	1931.0	2022.6	2114.8	2186.7	2280.1	2342.0
20°	1483.2	1569.2	1660.3	1767.8	1855.7	1966.4	2057.5	2146.7	2245.4	2338.3	2412.3
22.5°	1458.4	1552.5	1649.2	1756.2	1871.9	1982.6	2087.9	2184.6	2283.3	2384.4	2474.1
25°	1426.9	1512.3	1626.7	1748.2	1863.3	1983.5	2104.3	2225.7	2331.9	2438.9	2522.4
27.5°	1373.2	1481.1	1587.7	1713.0	1841.0	1976.9	2106.1	2233.2	2344.5	2432.4	2484.1
30°	1345.9	1439.6	1555.3	1681.2	1819.6	1965.8	2100.5	2225.1	2328.9	2399.0	2419.9
32.5°	1305.4	1402.1	1515.3	1645.8	1792.3	1942.5	2082.8	2200.3	2286.8	2323.6	2298.4
35°	1245.4	1332.7	1447.2	1580.6	1733.0	1893.0	2031.6	2130.8	2175.1	2140.3	2053.7
37.5°	1173.3	1259.8	1374.8	1505.9	1663.6	1826.2	1951.5	2022.9	2008.3	1921.8	1792.6
40°	1122.7	1203.6	1313.0	1454.7	1608.4	1771.6	1881.7	1920.2	1879.8	1755.8	1618.5
42.5°	1066.5	1145.4	1255.4	1391.9	1554.8	1705.3	1801.2	1804.4	1736.5	1588.3	1450.6
45°	981.0	1056.2	1160.0	1302.3	1452.9	1594.5	1657.7	1626.7	1501.5	1358.6	1220.0
47.5°	896.6	961.9	1064.1	1199.2	1342.1	1461.4	1492.8	1437.0	1303.5	1164.8	1036.4
50°	834.9	900.6	996.8	1125.8	1263.7	1366.8	1382.0	1308.0	1177.0	1037.3	936.7
52.5°	775.7	841.0	933.6	1053.0	1179.2	1272.2	1272.7	1187.1	1056.6	932.0	838.5
55°	688.8	747.6	831.1	937.9	1050.6	1123.3	1105.6	1017.0	903.8	795.7	714.1
57.5°	605.1	656.2	733.2	822.4	921.5	981.5	952.1	866.9	765.8	674.1	612.3
60°	550.9	599.6	665.4	749.5	833.0	879.8	852.0	774.8	681.8	607.8	554.1
62.5°	498.3	539.4	602.6	675.7	753.0	787.7	762.9	686.7	606.4	539.5	495.9
65°	423.7	457.3	507.9	570.5	626.8	656.6	635.6	564.8	503.4	455.4	420.6
67.5°	354.2	380.4	418.7	468.9	516.7	532.8	513.8	464.5	412.5	374.1	349.5
70°	306.1	330.8	363.1	401.6	443.4	460.4	441.5	402.3	359.9	324.5	300.4
72.5°	264.1	283.2	310.5	343.4	376.0	393.2	380.2	342.5	306.7	280.4	259.9
75°	201.1	217.6	236.5	259.9	285.3	296.7	285.3	259.3	234.6	215.1	200.5
77.5°	146.2	155.1	169.8	187.2	203.0	211.8	201.9	184.3	169.3	155.8	148.6
80°	111.3	117.6	127.8	141.6	152.4	160.7	154.3	139.7	127.8	118.9	115.7
82.5°	81.0	85.2	91.8	102.2	109.4	113.6	110.8	100.3	95.4	87.5	84.4
85°	39.8	42.4	46.8	50.0	56.3	57.0	57.6	53.2	48.7	46.8	44.3
87.5°	14.2	15.3	17.0	18.7	20.7	22.3	21.8	22.2	20.5	19.8	18.0
90°	2.8	5.5	6.4	7.4	7.4	12.9	12.9	14.7	16.6	15.7	16.6
92.5°	15.3	23.9	35.2	48.6	67.7	114.5	185.9	255.6	292.0	243.2	180.8
95°	33.1	42.4	54.3	76.4	115.1	195.1	346.1	566.1	750.2	771.4	682.1
97.5°	54.5	62.4	73.4	92.4	124.8	186.5	311.2	529.8	790.2	969.2	1007.8
100°	69.9	76.4	87.5	105.0	134.4	188.7	292.7	480.5	740.1	975.7	1110.2
102.5°	86.2	91.9	102.2	118.9	146.9	196.1	287.6	447.3	677.5	920.5	1105.0
105°	110.4	115.1	126.1	142.7	169.4	213.6	289.9	418.8	603.9	820.1	1030.9
107.5°	134.9	139.6	151.3	167.2	193.5	234.0	303.6	413.7	562.6	739.2	925.8
110°	151.9	156.5	167.5	184.1	209.0	249.5	313.9	415.2	548.7	698.7	862.5



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	173.4	183.7	200.3	225.1	264.2	325.0	419.5	542.0	675.8	816.1
115°	192.4	198.8	208.0	225.5	250.4	287.2	342.5	428.0	538.5	654.5	769.5
117.5°	216.5	222.2	232.3	248.7	274.5	309.5	360.3	437.0	537.6	644.9	746.7
120°	232.0	238.4	248.5	264.2	289.9	325.0	372.8	443.7	537.6	639.8	736.4
122.5°	246.7	253.2	262.5	279.6	304.7	339.7	384.6	450.4	536.9	633.9	727.5
125°	267.8	273.4	283.5	301.0	326.8	359.9	402.3	460.3	535.8	624.1	712.5
127.5°	284.2	290.9	302.5	320.7	346.7	378.7	417.6	468.2	533.7	611.0	694.0
130°	294.5	301.9	315.8	333.2	359.9	391.3	427.1	474.0	533.0	602.9	679.4
132.5°	303.4	313.0	326.1	345.0	370.3	401.6	436.7	479.2	532.3	595.6	663.8
135°	317.6	326.8	342.5	361.8	385.7	416.1	449.2	487.0	531.2	584.6	642.5
137.5°	330.8	341.0	355.8	376.0	398.8	427.1	458.0	491.5	530.9	575.0	623.2
140°	339.7	349.8	365.4	384.8	406.9	434.5	463.9	495.3	530.2	569.8	612.1
142.5°	350.0	359.3	374.3	392.8	414.2	441.1	468.3	498.2	530.2	565.4	601.8
145°	364.6	373.8	386.6	404.1	424.4	448.3	473.2	499.9	528.4	557.9	587.3
147.5°	379.1	387.1	400.4	414.9	433.2	455.7	477.4	500.7	525.1	551.0	575.4
150°	389.4	396.7	407.8	421.6	439.1	459.3	479.6	500.7	522.8	545.9	568.0
152.5°	398.2	405.6	415.9	428.3	444.3	462.3	481.1	499.3	519.2	540.0	559.8
155°	412.4	417.9	427.1	437.3	451.1	466.7	482.4	497.1	513.7	531.2	547.7
157.5°	424.5	429.7	436.9	445.7	456.6	469.8	482.4	494.7	507.9	522.1	534.6
160°	432.6	436.3	442.8	450.1	460.3	471.3	482.4	492.5	503.5	515.5	526.6
162.5°	439.3	442.2	447.9	454.6	462.5	472.8	482.4	490.3	499.1	509.6	518.4
165°	448.3	450.1	454.7	459.3	464.9	473.2	480.5	486.0	492.5	499.9	507.2
167.5°	455.7	456.6	460.1	462.6	466.9	472.9	478.3	481.6	485.8	491.0	496.4
170°	459.3	460.3	463.0	464.9	467.6	472.2	476.8	478.6	481.4	485.1	489.7
172.5°	463.0	463.2	465.2	466.4	468.3	471.5	475.4	475.7	477.0	480.0	483.8
175°	466.7	466.7	467.6	468.6	468.6	470.4	473.2	472.2	472.2	474.0	475.9
177.5°	468.6	467.8	468.6	468.6	468.6	469.3	470.7	469.3	469.3	470.0	470.7
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9	1526.9
2.5°	1609.3	1610.3	1614.9	1618.4	1619.5	1624.4	1625.0
5°	1750.7	1761.5	1782.3	1784.2	1787.4	1803.9	1791.2
7.5°	1916.4	1943.8	1962.0	1978.1	1983.9	1991.1	1989.6
10°	2022.7	2063.2	2083.4	2115.7	2116.9	2125.2	2120.1
12.5°	2129.5	2176.5	2213.4	2219.4	2246.5	2250.7	2257.7
15°	2280.8	2330.7	2381.9	2400.3	2437.6	2446.5	2460.4
17.5°	2423.0	2474.1	2510.0	2557.4	2572.7	2593.2	2579.3
20°	2500.8	2556.5	2602.1	2639.4	2655.2	2666.6	2665.3
22.5°	2547.9	2604.1	2641.0	2669.3	2684.0	2688.8	2688.6
25°	2577.4	2609.6	2621.0	2631.8	2615.3	2609.6	2612.1
27.5°	2495.5	2487.1	2457.3	2418.4	2377.9	2345.7	2328.3
30°	2382.6	2333.2	2288.4	2209.9	2169.5	2145.4	2123.9
32.5°	2222.7	2144.5	2058.1	1986.2	1940.2	1904.6	1899.3
35°	1948.7	1831.1	1725.5	1637.5	1592.0	1553.4	1544.5
37.5°	1656.8	1534.5	1439.4	1362.0	1313.0	1285.9	1260.4
40°	1462.9	1358.0	1264.3	1198.6	1161.3	1141.6	1125.8
42.5°	1313.7	1217.8	1124.7	1074.6	1040.8	1028.8	1019.5
45°	1107.5	1018.3	953.8	915.8	896.2	876.0	866.5
47.5°	942.4	869.8	827.3	795.0	774.0	762.0	756.0
50°	848.8	789.3	751.4	726.7	707.7	698.2	693.2
52.5°	765.8	717.0	685.1	665.5	652.6	645.6	643.6
55°	659.7	622.3	602.1	585.0	575.6	569.3	566.7
57.5°	573.4	544.7	528.2	514.2	510.6	505.3	503.4
60°	516.7	494.6	480.7	471.2	468.0	461.7	463.0
62.5°	466.7	448.5	436.7	431.3	427.1	421.8	423.5
65°	394.7	381.4	375.1	370.0	365.0	361.8	364.3
67.5°	331.1	322.1	313.5	310.5	308.0	307.5	304.8
70°	289.7	282.1	274.5	272.6	272.6	270.1	269.4
72.5°	249.7	244.2	239.1	237.7	235.7	236.7	234.0
75°	192.9	188.5	186.6	184.7	184.0	184.0	182.1
77.5°	142.6	139.3	136.3	136.3	134.0	133.1	132.8
80°	108.1	106.9	104.3	104.3	103.1	103.7	102.4
82.5°	81.4	79.5	79.1	78.0	76.3	76.4	75.2
85°	43.6	41.7	41.1	39.2	37.9	39.2	37.9
87.5°	18.7	18.4	17.8	17.0	16.7	16.5	15.0
90°	17.5	18.4	18.4	19.3	20.3	19.3	19.3
92.5°	136.0	108.3	89.8	79.0	74.0	70.9	70.9
95°	539.4	416.1	326.8	281.7	253.2	236.5	224.6
97.5°	954.7	864.7	768.7	702.5	647.1	619.5	600.4
100°	1128.5	1083.5	1015.3	935.3	879.1	851.5	844.1
102.5°	1196.3	1209.3	1181.0	1131.9	1091.2	1062.1	1056.2
105°	1190.3	1281.4	1319.1	1321.0	1313.6	1300.7	1295.1
107.5°	1095.4	1223.8	1305.8	1351.3	1372.3	1381.5	1383.9
110°	1021.8	1155.2	1256.5	1321.8	1360.5	1377.1	1385.4



TEST NUMBER: P332708-927

CATALOG NUMBER: SA4XXDIP-C1195D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	957.0	1083.1	1184.3	1258.5	1305.3	1328.5	1342.0
115°	882.8	990.5	1078.9	1151.6	1206.8	1236.3	1243.6
117.5°	840.4	925.1	1000.1	1062.1	1108.5	1138.3	1144.0
120°	822.0	895.6	961.0	1013.5	1054.0	1077.9	1088.1
122.5°	810.2	877.3	934.5	978.9	1013.5	1033.7	1043.9
125°	791.6	855.2	905.8	942.6	969.3	986.8	992.3
127.5°	769.8	833.1	881.1	918.1	941.9	956.6	962.1
130°	752.1	814.7	863.5	901.2	924.2	938.9	944.4
132.5°	732.2	793.3	842.1	879.1	905.1	919.0	924.6
135°	702.3	758.5	804.5	841.4	867.1	881.9	887.4
137.5°	673.8	721.1	762.7	797.2	822.6	834.7	841.4
140°	655.4	696.8	735.5	767.7	788.0	800.8	808.2
142.5°	639.9	675.5	709.0	737.5	756.3	767.7	772.9
145°	618.6	646.2	672.0	695.0	710.7	719.9	724.5
147.5°	600.2	622.3	642.5	659.5	672.9	679.9	681.5
150°	589.1	607.5	624.1	638.8	650.8	656.3	657.3
152.5°	578.1	595.0	608.6	621.2	630.9	634.2	635.2
155°	562.4	576.2	587.3	596.5	603.9	606.7	606.7
157.5°	547.0	558.6	567.4	574.4	580.0	581.6	581.6
160°	536.6	546.8	554.1	559.7	565.2	566.1	566.1
162.5°	527.1	535.0	541.6	545.7	551.2	552.2	551.4
165°	512.7	519.2	523.8	527.4	531.2	530.2	529.3
167.5°	500.6	505.7	508.5	510.3	512.7	512.5	511.8
170°	492.5	496.1	498.9	500.7	501.7	500.7	500.7
172.5°	485.8	488.1	490.0	491.2	492.1	491.2	489.7
175°	476.8	478.6	478.6	478.6	480.5	478.6	476.8
177.5°	471.5	471.5	472.2	471.5	472.2	470.7	469.3
180°	468.6	468.6	468.6	468.6	468.6	468.6	468.6

(END OF REPORT)