

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: P332699-927

Luminaire Tested: **S124DIP-S1195D1035U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332699-927
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-S1195D1035U927-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7142.4 lumens
Efficiency: N/A
Efficacy: 106.9 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

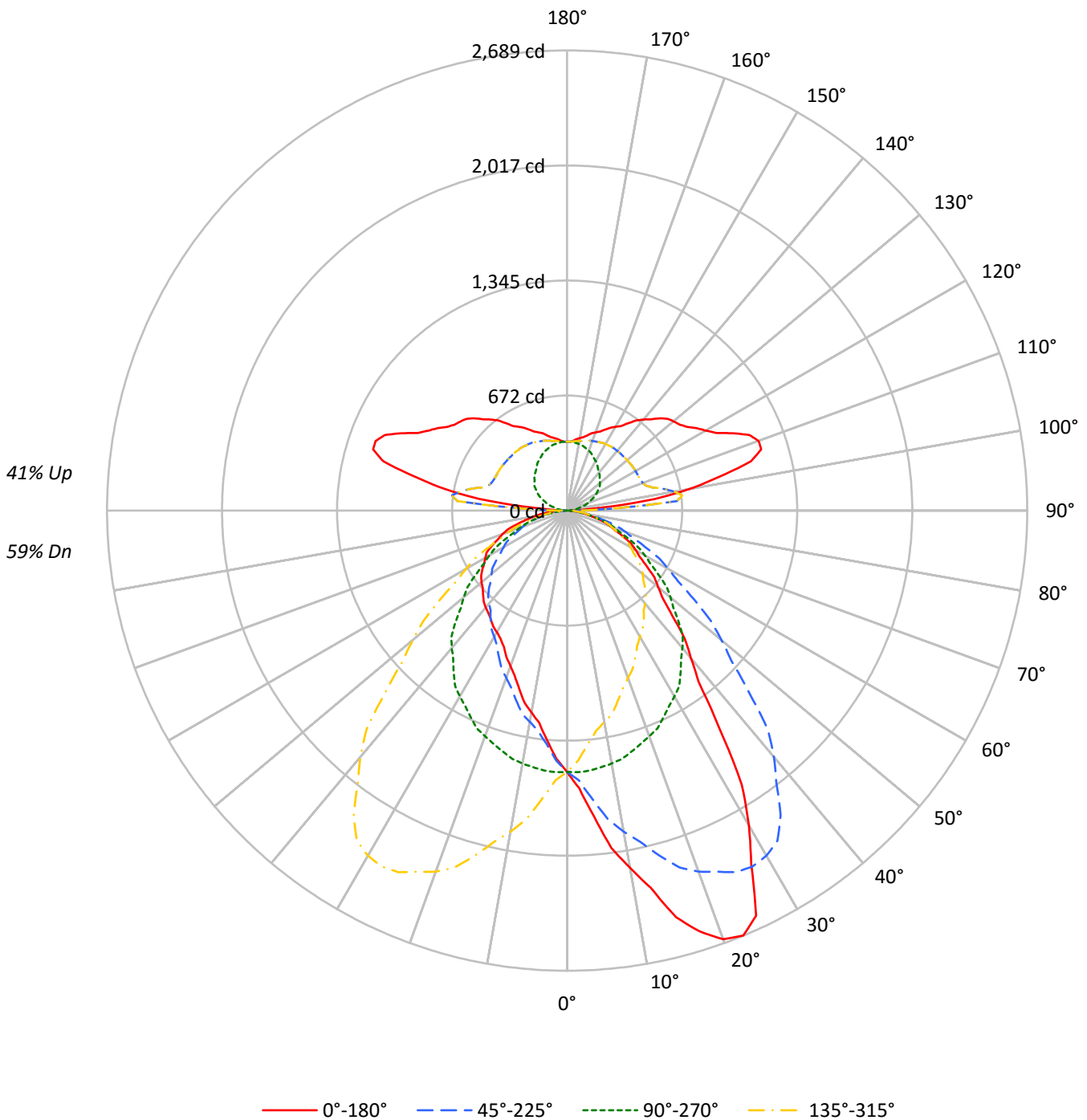
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	88	93	90	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	73	69	69	65	61	59	56	54	51	49	47	42
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	42	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	51	45	66	55	48	43	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	31	27	24	22
8	56	44	36	30	52	41	34	29	36	31	27	32	27	24	28	24	22	19
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20	17
10	49	37	29	24	46	35	28	24	31	25	22	27	23	20	24	20	18	16

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



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	2.1
10°-20°	458.5	6.4
20°-30°	727.0	10.2
30°-40°	809.1	11.3
40°-50°	736.5	10.3
50°-60°	601.9	8.4
60°-70°	429.7	6.0
70°-80°	236.6	3.3
80°-90°	66.8	0.9
90°-100°	290.8	4.1
100°-110°	605.1	8.5
110°-120°	542.0	7.6
120°-130°	455.9	6.4
130°-140°	380.1	5.3
140°-150°	290.4	4.1
150°-160°	204.1	2.9
160°-170°	120.1	1.7
170°-180°	39.1	0.5
0°-30°	1334.3	18.7
0°-40°	2143.4	30.0
0°-60°	3481.7	48.7
0°-90°	4214.8	59.0
90°-120°	1437.9	20.1
90°-150°	2564.4	35.9
90°-180°	2928.0	41.0
0°-180°	7142.4	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°	17	1	17	1	17	15
95°	193	26	193	26	193	299
105°	1113	92	1113	92	1113	1100
115°	1068	163	1068	163	1068	1061
125°	852	227	852	227	852	775
135°	762	270	762	270	762	588
145°	622	311	622	311	622	395
155°	521	354	521	354	521	243
165°	455	385	455	385	455	130
175°	410	402	410	402	410	40
180°	402	402	402	402	402	



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

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°	14.4	16.0	16.2	16.5	17.3	17.8	18.2	17.5	19.4	20.0	21.8
90°	16.6	16.6	17.4	16.6	15.8	15.8	15.1	14.3	13.5	14.3	12.7
92.5°	60.9	60.9	63.6	67.9	77.2	93.0	116.9	155.3	209.0	250.9	219.5
95°	193.0	203.3	217.5	242.0	280.7	357.4	463.4	586.0	662.7	644.5	486.4
97.5°	515.8	532.3	556.0	603.6	660.4	742.9	820.2	865.9	832.6	678.8	455.2
100°	725.2	731.5	755.3	803.5	872.3	930.8	969.6	953.8	838.3	635.8	412.8
102.5°	907.4	912.5	937.5	972.4	1014.6	1039.0	1027.8	949.4	790.8	582.1	384.4
105°	1112.7	1117.5	1128.5	1134.9	1133.3	1100.8	1022.5	885.7	704.6	518.8	359.8
107.5°	1189.0	1186.9	1179.0	1160.9	1121.9	1051.4	941.1	795.4	635.0	483.4	355.4
110°	1190.3	1183.1	1168.9	1135.7	1079.5	992.5	877.8	741.0	600.2	471.3	356.6



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1152.9	1141.4	1121.4	1081.2	1017.5	930.5	822.1	701.2	580.7	465.6	360.4
115°	1068.4	1062.1	1036.8	989.4	926.9	851.0	758.4	661.2	562.3	462.6	367.7
117.5°	982.9	977.9	952.4	912.5	859.2	794.8	722.1	641.5	554.1	461.8	375.5
120°	934.8	926.1	905.5	870.7	825.6	769.5	706.2	632.6	549.6	461.8	381.2
122.5°	896.8	888.1	870.7	841.0	802.9	753.7	696.1	625.1	544.5	461.2	386.9
125°	852.5	847.8	832.7	809.8	778.2	734.7	680.1	612.1	536.2	460.3	395.5
127.5°	826.6	821.8	809.2	788.8	757.0	715.7	661.3	596.3	525.0	458.5	402.2
130°	811.4	806.7	794.0	774.2	741.8	699.9	646.1	583.7	518.0	457.9	407.3
132.5°	794.3	789.6	777.5	755.3	723.5	681.5	629.1	570.4	511.7	457.2	411.7
135°	762.4	757.6	745.0	722.9	691.2	651.6	603.4	552.0	502.2	456.3	418.4
137.5°	722.9	717.2	706.7	684.8	655.3	619.6	578.9	535.4	493.9	456.1	422.3
140°	694.3	688.0	677.0	659.6	631.8	598.7	563.1	525.9	489.6	455.5	425.5
142.5°	664.0	659.6	649.7	633.6	609.1	580.4	549.8	517.1	485.8	455.5	428.0
145°	622.4	618.5	610.5	597.1	577.3	555.2	531.5	504.5	479.3	453.9	429.4
147.5°	585.5	584.2	578.1	566.6	552.0	534.6	515.6	494.2	473.4	451.1	430.2
150°	564.7	563.9	559.1	548.8	536.2	522.0	506.1	488.0	469.0	449.2	430.2
152.5°	545.7	544.9	542.0	533.7	522.9	511.2	496.6	481.0	463.9	446.0	429.0
155°	521.2	521.2	518.8	512.5	504.5	495.0	483.2	470.6	456.3	441.3	427.1
157.5°	499.6	499.6	498.2	493.5	487.5	479.9	469.9	459.3	448.5	436.4	425.0
160°	486.4	486.4	485.6	480.9	476.1	469.8	461.1	452.3	442.9	432.6	423.1
162.5°	473.7	474.4	473.6	468.8	465.3	459.6	452.8	445.4	437.8	428.8	421.2
165°	454.7	455.5	456.3	453.1	450.0	446.0	440.5	435.8	429.4	423.1	417.6
167.5°	439.7	440.4	440.5	438.5	436.9	434.5	430.1	426.4	421.8	417.4	413.8
170°	430.2	430.2	431.0	430.2	428.6	426.3	423.1	420.7	416.8	413.6	411.2
172.5°	420.7	422.0	422.8	422.0	421.0	419.3	417.4	415.7	412.3	409.8	408.7
175°	409.6	411.2	412.8	411.2	411.2	411.2	409.6	408.8	407.3	405.7	405.7
177.5°	403.1	404.4	405.7	405.0	405.7	405.0	405.0	404.4	403.8	403.1	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	21.5	21.9	20.5	18.5	16.8	15.1	14.1	13.3	14.1	15.1	15.8
90°	11.1	11.1	6.3	6.3	5.5	4.8	2.4	0.8	2.4	4.8	5.5
92.5°	159.8	98.4	58.2	41.7	30.2	20.6	13.2	9.0	13.2	20.6	30.2
95°	297.4	167.6	98.9	65.7	46.7	36.4	28.4	26.1	28.4	36.4	46.7
97.5°	267.3	160.3	107.3	79.4	63.1	53.6	46.8	46.8	46.8	53.6	63.1
100°	251.5	162.2	115.5	90.2	75.1	65.7	60.1	60.1	60.1	65.7	75.1
102.5°	247.1	168.4	126.2	102.2	87.8	78.9	74.0	72.7	74.0	78.9	87.8
105°	249.1	183.5	145.5	122.6	108.4	98.9	94.9	92.5	94.9	98.9	108.4
107.5°	260.8	201.1	166.2	143.6	130.0	119.9	116.0	114.4	116.0	119.9	130.0
110°	269.7	214.3	179.5	158.2	143.9	134.4	130.5	128.9	130.5	134.4	143.9



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	279.2	227.0	193.5	172.1	157.9	149.0	144.4	142.8	144.4	149.0	157.9
115°	294.2	246.8	215.1	193.8	178.7	170.8	165.2	163.0	165.2	170.8	178.7
117.5°	309.5	265.9	235.8	213.7	199.6	190.9	186.0	183.8	186.0	190.9	199.6
120°	320.3	279.2	249.1	227.0	213.5	204.9	199.3	197.7	199.3	204.9	213.5
122.5°	330.4	291.8	261.7	240.3	225.5	217.5	211.9	210.4	211.9	217.5	225.5
125°	345.6	309.2	280.7	258.6	243.6	234.9	230.1	227.0	230.1	234.9	243.6
127.5°	358.7	325.3	297.9	275.5	259.8	249.9	244.2	241.7	244.2	249.9	259.8
130°	366.9	336.1	309.2	286.3	271.2	259.4	253.1	249.9	253.1	259.4	271.2
132.5°	375.2	345.0	318.1	296.4	280.1	268.9	260.6	258.1	260.6	268.9	280.1
135°	386.0	357.4	331.4	310.8	294.2	280.7	272.8	269.7	272.8	280.7	294.2
137.5°	393.6	366.9	342.6	323.0	305.7	292.9	284.2	281.2	284.2	292.9	305.7
140°	398.5	373.3	349.6	330.6	313.9	300.6	291.8	289.5	291.8	300.6	313.9
142.5°	402.3	379.0	355.8	337.5	321.5	308.7	300.7	298.3	300.7	308.7	321.5
145°	406.5	385.2	364.6	347.2	332.2	321.1	313.1	310.8	313.1	321.1	332.2
147.5°	410.1	391.5	372.2	356.5	344.0	332.6	325.7	324.9	325.7	332.6	344.0
150°	412.0	394.7	377.2	362.2	350.4	340.9	334.5	333.7	334.5	340.9	350.4
152.5°	413.3	397.2	381.7	367.9	357.3	348.5	342.1	342.0	342.1	348.5	357.3
155°	414.4	400.9	387.5	375.7	366.9	359.0	354.3	353.5	354.3	359.0	366.9
157.5°	414.4	403.6	392.3	382.9	375.3	369.2	364.7	364.7	364.7	369.2	375.3
160°	414.4	404.9	395.5	386.7	380.4	374.9	371.7	371.7	371.7	374.9	380.4
162.5°	414.4	406.2	397.4	390.5	384.8	379.9	377.4	378.0	377.4	379.9	384.8
165°	412.8	406.5	399.3	394.7	390.7	386.7	385.2	385.2	385.2	386.7	390.7
167.5°	410.9	406.3	401.1	397.5	395.3	392.3	391.5	392.3	391.5	392.3	395.3
170°	409.6	405.7	401.7	399.3	397.8	395.5	394.7	395.5	394.7	395.5	397.8
172.5°	408.4	405.0	402.3	400.6	399.7	397.9	397.8	398.5	397.8	397.9	399.7
175°	406.5	404.1	402.5	402.5	401.7	400.9	400.9	401.7	400.9	400.9	401.7
177.5°	404.4	403.1	402.5	402.5	402.5	401.9	402.5	403.1	402.5	401.9	402.5
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	17.4	17.4	20.4	21.5	23.3	26.1	27.0	32.7	34.9	37.5	42.1
90°	6.3	6.3	11.1	11.1	12.7	14.3	13.5	14.3	15.1	15.8	15.8
92.5°	41.7	58.2	98.4	159.8	219.5	250.9	209.0	155.3	116.9	93.0	77.2
95°	65.7	98.9	167.6	297.4	486.4	644.5	662.7	586.0	463.4	357.4	280.7
97.5°	79.4	107.3	160.3	267.3	455.2	678.8	832.6	865.9	820.2	742.9	660.4
100°	90.2	115.5	162.2	251.5	412.8	635.8	838.3	953.8	969.6	930.8	872.3
102.5°	102.2	126.2	168.4	247.1	384.4	582.1	790.8	949.4	1027.8	1039.0	1014.6
105°	122.6	145.5	183.5	249.1	359.8	518.8	704.6	885.7	1022.5	1100.8	1133.3
107.5°	143.6	166.2	201.1	260.8	355.4	483.4	635.0	795.4	941.1	1051.4	1121.9
110°	158.2	179.5	214.3	269.7	356.6	471.3	600.2	741.0	877.8	992.5	1079.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	172.1	193.5	227.0	279.2	360.4	465.6	580.7	701.2	822.1	930.5	1017.5
115°	193.8	215.1	246.8	294.2	367.7	462.6	562.3	661.2	758.4	851.0	926.9
117.5°	213.7	235.8	265.9	309.5	375.5	461.8	554.1	641.5	722.1	794.8	859.2
120°	227.0	249.1	279.2	320.3	381.2	461.8	549.6	632.6	706.2	769.5	825.6
122.5°	240.3	261.7	291.8	330.4	386.9	461.2	544.5	625.1	696.1	753.7	802.9
125°	258.6	280.7	309.2	345.6	395.5	460.3	536.2	612.1	680.1	734.7	778.2
127.5°	275.5	297.9	325.3	358.7	402.2	458.5	525.0	596.3	661.3	715.7	757.0
130°	286.3	309.2	336.1	366.9	407.3	457.9	518.0	583.7	646.1	699.9	741.8
132.5°	296.4	318.1	345.0	375.2	411.7	457.2	511.7	570.4	629.1	681.5	723.5
135°	310.8	331.4	357.4	386.0	418.4	456.3	502.2	552.0	603.4	651.6	691.2
137.5°	323.0	342.6	366.9	393.6	422.3	456.1	493.9	535.4	578.9	619.6	655.3
140°	330.6	349.6	373.3	398.5	425.5	455.5	489.6	525.9	563.1	598.7	631.8
142.5°	337.5	355.8	379.0	402.3	428.0	455.5	485.8	517.1	549.8	580.4	609.1
145°	347.2	364.6	385.2	406.5	429.4	453.9	479.3	504.5	531.5	555.2	577.3
147.5°	356.5	372.2	391.5	410.1	430.2	451.1	473.4	494.2	515.6	534.6	552.0
150°	362.2	377.2	394.7	412.0	430.2	449.2	469.0	488.0	506.1	522.0	536.2
152.5°	367.9	381.7	397.2	413.3	429.0	446.0	463.9	481.0	496.6	511.2	522.9
155°	375.7	387.5	400.9	414.4	427.1	441.3	456.3	470.6	483.2	495.0	504.5
157.5°	382.9	392.3	403.6	414.4	425.0	436.4	448.5	459.3	469.9	479.9	487.5
160°	386.7	395.5	404.9	414.4	423.1	432.6	442.9	452.3	461.1	469.8	476.1
162.5°	390.5	397.4	406.2	414.4	421.2	428.8	437.8	445.4	452.8	459.6	465.3
165°	394.7	399.3	406.5	412.8	417.6	423.1	429.4	435.8	440.5	446.0	450.0
167.5°	397.5	401.1	406.3	410.9	413.8	417.4	421.8	426.4	430.1	434.5	436.9
170°	399.3	401.7	405.7	409.6	411.2	413.6	416.8	420.7	423.1	426.3	428.6
172.5°	400.6	402.3	405.0	408.4	408.7	409.8	412.3	415.7	417.4	419.3	421.0
175°	402.5	402.5	404.1	406.5	405.7	405.7	407.3	408.8	409.6	411.2	411.2
177.5°	402.5	402.5	403.1	404.4	403.1	403.1	403.8	404.4	405.0	405.0	405.7
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	43.8	44.4	45.8	46.8	45.8	44.4	43.8	42.1	37.5	34.9	32.7
90°	16.6	17.4	16.6	16.6	16.6	17.4	16.6	15.8	15.8	15.1	14.3
92.5°	67.9	63.6	60.9	60.9	60.9	63.6	67.9	77.2	93.0	116.9	155.3
95°	242.0	217.5	203.3	193.0	203.3	217.5	242.0	280.7	357.4	463.4	586.0
97.5°	603.6	556.0	532.3	515.8	532.3	556.0	603.6	660.4	742.9	820.2	865.9
100°	803.5	755.3	731.5	725.2	731.5	755.3	803.5	872.3	930.8	969.6	953.8
102.5°	972.4	937.5	912.5	907.4	912.5	937.5	972.4	1014.6	1039.0	1027.8	949.4
105°	1134.9	1128.5	1117.5	1112.7	1117.5	1128.5	1134.9	1133.3	1100.8	1022.5	885.7
107.5°	1160.9	1179.0	1186.9	1189.0	1186.9	1179.0	1160.9	1121.9	1051.4	941.1	795.4
110°	1135.7	1168.9	1183.1	1190.3	1183.1	1168.9	1135.7	1079.5	992.5	877.8	741.0



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1081.2	1121.4	1141.4	1152.9	1141.4	1121.4	1081.2	1017.5	930.5	822.1	701.2
115°	989.4	1036.8	1062.1	1068.4	1062.1	1036.8	989.4	926.9	851.0	758.4	661.2
117.5°	912.5	952.4	977.9	982.9	977.9	952.4	912.5	859.2	794.8	722.1	641.5
120°	870.7	905.5	926.1	934.8	926.1	905.5	870.7	825.6	769.5	706.2	632.6
122.5°	841.0	870.7	888.1	896.8	888.1	870.7	841.0	802.9	753.7	696.1	625.1
125°	809.8	832.7	847.8	852.5	847.8	832.7	809.8	778.2	734.7	680.1	612.1
127.5°	788.8	809.2	821.8	826.6	821.8	809.2	788.8	757.0	715.7	661.3	596.3
130°	774.2	794.0	806.7	811.4	806.7	794.0	774.2	741.8	699.9	646.1	583.7
132.5°	755.3	777.5	789.6	794.3	789.6	777.5	755.3	723.5	681.5	629.1	570.4
135°	722.9	745.0	757.6	762.4	757.6	745.0	722.9	691.2	651.6	603.4	552.0
137.5°	684.8	706.7	717.2	722.9	717.2	706.7	684.8	655.3	619.6	578.9	535.4
140°	659.6	677.0	688.0	694.3	688.0	677.0	659.6	631.8	598.7	563.1	525.9
142.5°	633.6	649.7	659.6	664.0	659.6	649.7	633.6	609.1	580.4	549.8	517.1
145°	597.1	610.5	618.5	622.4	618.5	610.5	597.1	577.3	555.2	531.5	504.5
147.5°	566.6	578.1	584.2	585.5	584.2	578.1	566.6	552.0	534.6	515.6	494.2
150°	548.8	559.1	563.9	564.7	563.9	559.1	548.8	536.2	522.0	506.1	488.0
152.5°	533.7	542.0	544.9	545.7	544.9	542.0	533.7	522.9	511.2	496.6	481.0
155°	512.5	518.8	521.2	521.2	521.2	518.8	512.5	504.5	495.0	483.2	470.6
157.5°	493.5	498.2	499.6	499.6	499.6	498.2	493.5	487.5	479.9	469.9	459.3
160°	480.9	485.6	486.4	486.4	486.4	485.6	480.9	476.1	469.8	461.1	452.3
162.5°	468.8	473.6	474.4	473.7	474.4	473.6	468.8	465.3	459.6	452.8	445.4
165°	453.1	456.3	455.5	454.7	455.5	456.3	453.1	450.0	446.0	440.5	435.8
167.5°	438.5	440.5	440.4	439.7	440.4	440.5	438.5	436.9	434.5	430.1	426.4
170°	430.2	431.0	430.2	430.2	430.2	431.0	430.2	428.6	426.3	423.1	420.7
172.5°	422.0	422.8	422.0	420.7	422.0	422.8	422.0	421.0	419.3	417.4	415.7
175°	411.2	412.8	411.2	409.6	411.2	412.8	411.2	411.2	411.2	409.6	408.8
177.5°	405.0	405.7	404.4	403.1	404.4	405.7	405.0	405.7	405.0	405.0	404.4
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	27.0	26.1	23.3	21.5	20.4	17.4	17.4	15.8	15.1	14.1	13.3
90°	13.5	14.3	12.7	11.1	11.1	6.3	6.3	5.5	4.8	2.4	0.8
92.5°	209.0	250.9	219.5	159.8	98.4	58.2	41.7	30.2	20.6	13.2	9.0
95°	662.7	644.5	486.4	297.4	167.6	98.9	65.7	46.7	36.4	28.4	26.1
97.5°	832.6	678.8	455.2	267.3	160.3	107.3	79.4	63.1	53.6	46.8	46.8
100°	838.3	635.8	412.8	251.5	162.2	115.5	90.2	75.1	65.7	60.1	60.1
102.5°	790.8	582.1	384.4	247.1	168.4	126.2	102.2	87.8	78.9	74.0	72.7
105°	704.6	518.8	359.8	249.1	183.5	145.5	122.6	108.4	98.9	94.9	92.5
107.5°	635.0	483.4	355.4	260.8	201.1	166.2	143.6	130.0	119.9	116.0	114.4
110°	600.2	471.3	356.6	269.7	214.3	179.5	158.2	143.9	134.4	130.5	128.9



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	580.7	465.6	360.4	279.2	227.0	193.5	172.1	157.9	149.0	144.4	142.8
115°	562.3	462.6	367.7	294.2	246.8	215.1	193.8	178.7	170.8	165.2	163.0
117.5°	554.1	461.8	375.5	309.5	265.9	235.8	213.7	199.6	190.9	186.0	183.8
120°	549.6	461.8	381.2	320.3	279.2	249.1	227.0	213.5	204.9	199.3	197.7
122.5°	544.5	461.2	386.9	330.4	291.8	261.7	240.3	225.5	217.5	211.9	210.4
125°	536.2	460.3	395.5	345.6	309.2	280.7	258.6	243.6	234.9	230.1	227.0
127.5°	525.0	458.5	402.2	358.7	325.3	297.9	275.5	259.8	249.9	244.2	241.7
130°	518.0	457.9	407.3	366.9	336.1	309.2	286.3	271.2	259.4	253.1	249.9
132.5°	511.7	457.2	411.7	375.2	345.0	318.1	296.4	280.1	268.9	260.6	258.1
135°	502.2	456.3	418.4	386.0	357.4	331.4	310.8	294.2	280.7	272.8	269.7
137.5°	493.9	456.1	422.3	393.6	366.9	342.6	323.0	305.7	292.9	284.2	281.2
140°	489.6	455.5	425.5	398.5	373.3	349.6	330.6	313.9	300.6	291.8	289.5
142.5°	485.8	455.5	428.0	402.3	379.0	355.8	337.5	321.5	308.7	300.7	298.3
145°	479.3	453.9	429.4	406.5	385.2	364.6	347.2	332.2	321.1	313.1	310.8
147.5°	473.4	451.1	430.2	410.1	391.5	372.2	356.5	344.0	332.6	325.7	324.9
150°	469.0	449.2	430.2	412.0	394.7	377.2	362.2	350.4	340.9	334.5	333.7
152.5°	463.9	446.0	429.0	413.3	397.2	381.7	367.9	357.3	348.5	342.1	342.0
155°	456.3	441.3	427.1	414.4	400.9	387.5	375.7	366.9	359.0	354.3	353.5
157.5°	448.5	436.4	425.0	414.4	403.6	392.3	382.9	375.3	369.2	364.7	364.7
160°	442.9	432.6	423.1	414.4	404.9	395.5	386.7	380.4	374.9	371.7	371.7
162.5°	437.8	428.8	421.2	414.4	406.2	397.4	390.5	384.8	379.9	377.4	378.0
165°	429.4	423.1	417.6	412.8	406.5	399.3	394.7	390.7	386.7	385.2	385.2
167.5°	421.8	417.4	413.8	410.9	406.3	401.1	397.5	395.3	392.3	391.5	392.3
170°	416.8	413.6	411.2	409.6	405.7	401.7	399.3	397.8	395.5	394.7	395.5
172.5°	412.3	409.8	408.7	408.4	405.0	402.3	400.6	399.7	397.9	397.8	398.5
175°	407.3	405.7	405.7	406.5	404.1	402.5	402.5	401.7	400.9	400.9	401.7
177.5°	403.8	403.1	403.1	404.4	403.1	402.5	402.5	402.5	401.9	402.5	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	14.1	15.1	16.8	18.5	20.5	21.9	21.5	21.8	20.0	19.4	17.5
90°	2.4	4.8	5.5	6.3	6.3	11.1	11.1	12.7	14.3	13.5	14.3
92.5°	13.2	20.6	30.2	41.7	58.2	98.4	159.8	219.5	250.9	209.0	155.3
95°	28.4	36.4	46.7	65.7	98.9	167.6	297.4	486.4	644.5	662.7	586.0
97.5°	46.8	53.6	63.1	79.4	107.3	160.3	267.3	455.2	678.8	832.6	865.9
100°	60.1	65.7	75.1	90.2	115.5	162.2	251.5	412.8	635.8	838.3	953.8
102.5°	74.0	78.9	87.8	102.2	126.2	168.4	247.1	384.4	582.1	790.8	949.4
105°	94.9	98.9	108.4	122.6	145.5	183.5	249.1	359.8	518.8	704.6	885.7
107.5°	116.0	119.9	130.0	143.6	166.2	201.1	260.8	355.4	483.4	635.0	795.4
110°	130.5	134.4	143.9	158.2	179.5	214.3	269.7	356.6	471.3	600.2	741.0



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	149.0	157.9	172.1	193.5	227.0	279.2	360.4	465.6	580.7	701.2
115°	165.2	170.8	178.7	193.8	215.1	246.8	294.2	367.7	462.6	562.3	661.2
117.5°	186.0	190.9	199.6	213.7	235.8	265.9	309.5	375.5	461.8	554.1	641.5
120°	199.3	204.9	213.5	227.0	249.1	279.2	320.3	381.2	461.8	549.6	632.6
122.5°	211.9	217.5	225.5	240.3	261.7	291.8	330.4	386.9	461.2	544.5	625.1
125°	230.1	234.9	243.6	258.6	280.7	309.2	345.6	395.5	460.3	536.2	612.1
127.5°	244.2	249.9	259.8	275.5	297.9	325.3	358.7	402.2	458.5	525.0	596.3
130°	253.1	259.4	271.2	286.3	309.2	336.1	366.9	407.3	457.9	518.0	583.7
132.5°	260.6	268.9	280.1	296.4	318.1	345.0	375.2	411.7	457.2	511.7	570.4
135°	272.8	280.7	294.2	310.8	331.4	357.4	386.0	418.4	456.3	502.2	552.0
137.5°	284.2	292.9	305.7	323.0	342.6	366.9	393.6	422.3	456.1	493.9	535.4
140°	291.8	300.6	313.9	330.6	349.6	373.3	398.5	425.5	455.5	489.6	525.9
142.5°	300.7	308.7	321.5	337.5	355.8	379.0	402.3	428.0	455.5	485.8	517.1
145°	313.1	321.1	332.2	347.2	364.6	385.2	406.5	429.4	453.9	479.3	504.5
147.5°	325.7	332.6	344.0	356.5	372.2	391.5	410.1	430.2	451.1	473.4	494.2
150°	334.5	340.9	350.4	362.2	377.2	394.7	412.0	430.2	449.2	469.0	488.0
152.5°	342.1	348.5	357.3	367.9	381.7	397.2	413.3	429.0	446.0	463.9	481.0
155°	354.3	359.0	366.9	375.7	387.5	400.9	414.4	427.1	441.3	456.3	470.6
157.5°	364.7	369.2	375.3	382.9	392.3	403.6	414.4	425.0	436.4	448.5	459.3
160°	371.7	374.9	380.4	386.7	395.5	404.9	414.4	423.1	432.6	442.9	452.3
162.5°	377.4	379.9	384.8	390.5	397.4	406.2	414.4	421.2	428.8	437.8	445.4
165°	385.2	386.7	390.7	394.7	399.3	406.5	412.8	417.6	423.1	429.4	435.8
167.5°	391.5	392.3	395.3	397.5	401.1	406.3	410.9	413.8	417.4	421.8	426.4
170°	394.7	395.5	397.8	399.3	401.7	405.7	409.6	411.2	413.6	416.8	420.7
172.5°	397.8	397.9	399.7	400.6	402.3	405.0	408.4	408.7	409.8	412.3	415.7
175°	400.9	400.9	401.7	402.5	402.5	404.1	406.5	405.7	405.7	407.3	408.8
177.5°	402.5	401.9	402.5	402.5	402.5	403.1	404.4	403.1	403.1	403.8	404.4
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-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°	18.2	17.8	17.3	16.5	16.2	16.0	14.4
90°	15.1	15.8	15.8	16.6	17.4	16.6	16.6
92.5°	116.9	93.0	77.2	67.9	63.6	60.9	60.9
95°	463.4	357.4	280.7	242.0	217.5	203.3	193.0
97.5°	820.2	742.9	660.4	603.6	556.0	532.3	515.8
100°	969.6	930.8	872.3	803.5	755.3	731.5	725.2
102.5°	1027.8	1039.0	1014.6	972.4	937.5	912.5	907.4
105°	1022.5	1100.8	1133.3	1134.9	1128.5	1117.5	1112.7
107.5°	941.1	1051.4	1121.9	1160.9	1179.0	1186.9	1189.0
110°	877.8	992.5	1079.5	1135.7	1168.9	1183.1	1190.3



TEST NUMBER: P332699-927

CATALOG NUMBER: S124DIP-S1195D1035U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	822.1	930.5	1017.5	1081.2	1121.4	1141.4	1152.9
115°	758.4	851.0	926.9	989.4	1036.8	1062.1	1068.4
117.5°	722.1	794.8	859.2	912.5	952.4	977.9	982.9
120°	706.2	769.5	825.6	870.7	905.5	926.1	934.8
122.5°	696.1	753.7	802.9	841.0	870.7	888.1	896.8
125°	680.1	734.7	778.2	809.8	832.7	847.8	852.5
127.5°	661.3	715.7	757.0	788.8	809.2	821.8	826.6
130°	646.1	699.9	741.8	774.2	794.0	806.7	811.4
132.5°	629.1	681.5	723.5	755.3	777.5	789.6	794.3
135°	603.4	651.6	691.2	722.9	745.0	757.6	762.4
137.5°	578.9	619.6	655.3	684.8	706.7	717.2	722.9
140°	563.1	598.7	631.8	659.6	677.0	688.0	694.3
142.5°	549.8	580.4	609.1	633.6	649.7	659.6	664.0
145°	531.5	555.2	577.3	597.1	610.5	618.5	622.4
147.5°	515.6	534.6	552.0	566.6	578.1	584.2	585.5
150°	506.1	522.0	536.2	548.8	559.1	563.9	564.7
152.5°	496.6	511.2	522.9	533.7	542.0	544.9	545.7
155°	483.2	495.0	504.5	512.5	518.8	521.2	521.2
157.5°	469.9	479.9	487.5	493.5	498.2	499.6	499.6
160°	461.1	469.8	476.1	480.9	485.6	486.4	486.4
162.5°	452.8	459.6	465.3	468.8	473.6	474.4	473.7
165°	440.5	446.0	450.0	453.1	456.3	455.5	454.7
167.5°	430.1	434.5	436.9	438.5	440.5	440.4	439.7
170°	423.1	426.3	428.6	430.2	431.0	430.2	430.2
172.5°	417.4	419.3	421.0	422.0	422.8	422.0	420.7
175°	409.6	411.2	411.2	411.2	412.8	411.2	409.6
177.5°	405.0	405.0	405.7	405.0	405.7	404.4	403.1
180°	402.5	402.5	402.5	402.5	402.5	402.5	402.5

(END OF REPORT)