

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: P333100-935

Luminaire Tested: **S124RDIW-S1195D770U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333100-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S1195D770U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6607.7 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

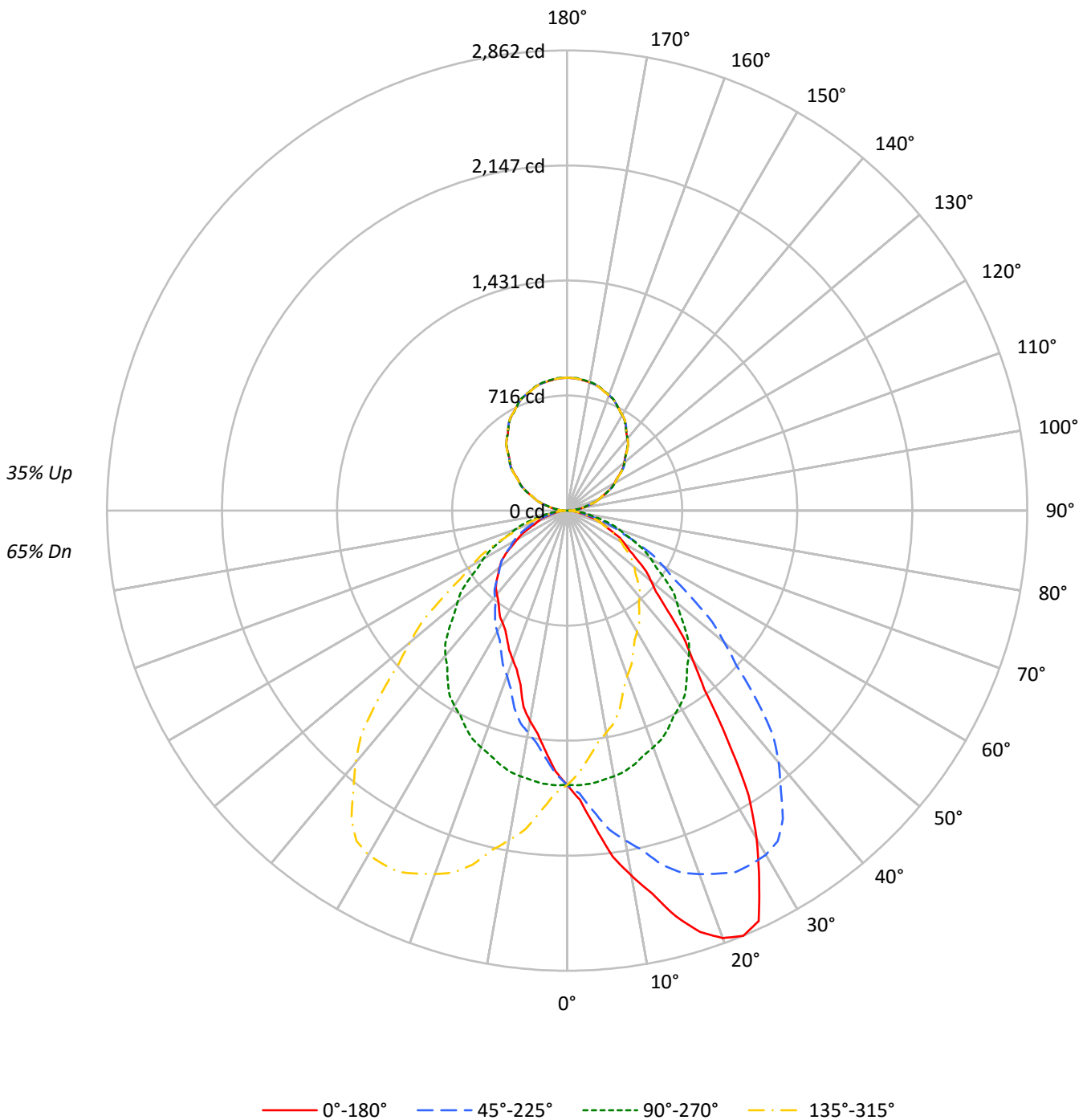
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65								
1	102	98	94	91	96	92	89	86	82	79	77	72	70	68	63	62	61	56								
2	93	86	80	75	87	81	76	71	72	68	65	64	61	58	56	54	52	48								
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41								
4	78	68	60	54	74	64	57	52	57	52	47	51	47	43	45	42	39	36								
5	72	61	53	47	68	58	50	45	52	46	41	46	41	38	41	37	34	32								
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	34	30	28								
7	62	50	42	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25								
8	58	45	38	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22								
9	54	41	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20								
10	50	38	31	26	47	36	30	25	33	28	24	30	25	22	27	23	20	18								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13774	13774	13774	13774
5°	15977	13816	12211	13816
10°	18901	13755	10899	13755
15°	21833	13628	9365	13628
20°	24308	13454	8469	13454
25°	25093	13281	7863	13281
30°	21967	13073	7498	13073
35°	17100	12764	7276	12764
40°	12823	12410	7158	12410
45°	10123	11843	7096	11843
50°	8547	11189	6889	11189
55°	7450	10469	6521	10469
60°	6704	9723	5772	9723
65°	5910	8915	4963	8915
70°	5323	8080	4480	8080
75°	4460	7162	3815	7162
80°	3770	6104	3580	6104
85°	3186	4780	3186	4780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	2.5
10°-20°	498.7	7.5
20°-30°	780.0	11.8
30°-40°	867.1	13.1
40°-50°	769.3	11.6
50°-60°	599.5	9.1
60°-70°	392.5	5.9
70°-80°	193.0	2.9
80°-90°	50.1	0.8
90°-100°	54.5	0.8
100°-110°	161.4	2.4
110°-120°	274.0	4.1
120°-130°	361.3	5.5
130°-140°	405.8	6.1
140°-150°	398.7	6.0
150°-160°	335.4	5.1
160°-170°	223.1	3.4
170°-180°	78.1	1.2
0°-30°	1444.0	21.9
0°-40°	2311.0	35.0
0°-60°	3679.8	55.7
0°-90°	4315.4	65.3
90°-120°	489.9	7.4
90°-150°	1655.8	25.1
90°-180°	2292.0	34.7
0°-180°	6607.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1706	1706	1706	1706	1706	
5°	1972	1705	1507	1705	1972	199
15°	2612	1631	1120	1631	2612	743
25°	2817	1491	883	1491	2817	1250
35°	1735	1295	738	1295	1735	1088
45°	887	1037	622	1037	887	702
55°	529	744	463	744	529	481
65°	309	467	260	467	309	311
75°	143	230	122	230	143	157
85°	34	52	34	52	34	39
90°	19	2	19	2	19	11
95°	50	38	50	38	50	53
105°	156	149	156	149	156	164
115°	276	279	276	279	276	273
125°	403	406	403	406	403	359
135°	524	523	524	523	524	405
145°	636	636	636	636	636	398
155°	728	728	728	728	728	335
165°	791	793	791	793	791	223
175°	821	825	821	825	821	78
180°	826	826	826	826	826	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1799.7	1804.7	1799.7	1799.1	1793.6	1792.0	1789.8	1782.6	1769.4	1761.8	1763.4
5°	1971.5	1988.7	1979.1	1977.7	1962.6	1947.5	1937.9	1915.9	1892.5	1876.7	1863.6
7.5°	2170.3	2180.2	2174.2	2164.6	2140.1	2126.2	2103.9	2074.9	2033.0	2001.0	1971.7
10°	2305.7	2313.9	2311.2	2293.3	2275.4	2238.9	2218.4	2177.8	2124.9	2082.9	2043.8
12.5°	2438.7	2447.6	2423.4	2424.1	2390.3	2361.6	2328.9	2277.9	2216.7	2162.7	2113.6
15°	2612.3	2601.3	2601.3	2587.5	2549.7	2509.8	2476.1	2422.5	2345.5	2280.9	2212.9
17.5°	2748.1	2751.9	2746.2	2713.9	2684.2	2642.9	2581.2	2518.6	2447.1	2360.3	2290.8
20°	2829.5	2829.5	2823.3	2801.3	2762.8	2718.8	2652.1	2584.0	2493.3	2406.0	2327.6
22.5°	2862.5	2864.6	2857.4	2839.2	2804.6	2761.7	2704.9	2635.8	2542.3	2443.9	2346.9
25°	2817.1	2830.2	2831.5	2826.7	2816.4	2790.2	2741.5	2670.6	2586.8	2480.3	2375.8
27.5°	2586.4	2602.9	2617.4	2641.1	2672.7	2689.2	2691.4	2655.4	2582.2	2479.7	2374.6
30°	2356.5	2370.2	2414.9	2473.4	2518.8	2560.0	2595.7	2605.4	2564.1	2472.0	2361.3
32.5°	2101.4	2120.0	2164.7	2227.6	2303.2	2373.0	2453.3	2494.2	2493.2	2437.9	2335.5
35°	1735.1	1748.9	1790.1	1856.1	1946.8	2050.6	2177.8	2276.7	2344.2	2339.3	2276.7
37.5°	1399.3	1414.9	1456.6	1511.2	1599.2	1727.8	1850.8	1987.2	2111.8	2181.8	2160.9
40°	1216.8	1217.5	1258.0	1314.4	1396.9	1508.9	1643.0	1794.2	1933.0	2046.5	2068.5
42.5°	1072.6	1072.8	1099.6	1160.4	1219.8	1325.3	1453.2	1603.4	1765.9	1896.9	1955.2
45°	886.7	892.9	915.0	951.4	998.2	1087.5	1189.9	1329.5	1511.7	1667.0	1763.9
47.5°	751.0	760.0	774.0	803.7	841.0	900.5	985.2	1110.6	1258.8	1429.7	1567.6
50°	680.5	681.9	699.8	716.3	748.6	796.1	870.3	974.7	1110.9	1275.1	1428.5
52.5°	620.1	619.7	630.5	651.4	677.7	714.6	774.6	869.7	990.4	1137.7	1296.0
55°	529.3	532.8	541.0	557.5	577.5	603.6	651.0	722.5	817.3	943.1	1086.8
57.5°	460.3	462.1	468.6	475.5	493.9	512.8	548.5	598.1	678.1	781.1	915.0
60°	415.2	415.9	417.9	428.3	442.7	460.5	484.7	526.6	593.9	688.1	794.0
62.5°	371.2	372.5	375.7	383.1	394.3	406.7	431.9	465.5	521.3	601.8	697.2
65°	309.4	310.0	314.9	317.6	326.5	337.5	356.1	378.8	417.2	484.7	556.8
67.5°	258.5	258.5	258.7	262.4	268.6	276.0	287.1	305.2	334.2	375.7	439.3
70°	225.5	225.5	226.9	228.9	232.4	238.5	244.7	258.5	279.8	313.5	362.3
72.5°	194.7	195.2	196.6	197.0	198.8	203.9	208.4	217.2	233.1	258.5	297.9
75°	143.0	145.1	148.5	151.3	154.6	153.9	158.8	164.3	169.1	184.3	206.9
77.5°	106.4	105.3	105.7	108.1	108.5	109.2	112.6	116.8	120.5	127.6	135.7
80°	81.1	81.1	83.2	83.9	83.2	83.9	87.3	89.4	90.7	93.5	101.1
82.5°	61.3	62.4	61.7	62.4	62.9	63.5	66.4	66.8	68.2	69.3	72.5
85°	34.4	35.0	35.7	34.4	34.4	34.4	35.7	36.4	37.8	37.1	38.5
87.5°	15.9	15.3	15.8	15.8	16.3	15.6	16.0	16.9	15.7	16.0	15.8
90°	19.2	18.9	18.6	18.3	18.0	17.5	16.6	15.8	14.9	14.0	12.9
92.5°	28.4	28.2	28.1	27.9	27.7	27.4	26.9	26.3	25.8	25.3	24.5
95°	50.5	50.5	50.5	50.5	50.5	50.3	49.9	49.4	49.0	48.6	47.6
97.5°	79.1	79.1	79.1	79.1	79.1	78.9	78.4	77.8	77.3	76.8	75.7
100°	99.0	99.0	99.0	99.0	99.0	98.9	98.6	98.3	98.1	97.8	96.5
102.5°	121.6	121.4	121.3	121.2	121.1	120.8	120.5	120.0	119.7	119.2	118.0
105°	155.9	155.5	155.1	154.6	154.2	153.8	153.3	152.9	152.5	152.1	151.5
107.5°	189.4	189.4	189.5	189.5	189.5	189.3	188.9	188.6	188.1	187.8	187.7
110°	213.4	213.0	212.6	212.2	211.7	211.6	212.0	212.2	212.5	212.8	212.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	238.0	237.9	237.8	237.7	237.6	237.6	237.6	237.7	237.8	237.8	238.1
115°	276.0	276.2	276.4	276.5	276.6	276.7	276.9	277.1	277.2	277.3	277.6
117.5°	312.4	312.6	312.9	313.2	313.5	313.8	314.4	314.9	315.3	315.8	316.0
120°	339.9	339.7	339.4	339.1	338.8	339.1	339.8	340.4	341.1	341.9	342.3
122.5°	363.0	363.5	363.9	364.5	365.0	365.5	366.0	366.4	367.0	367.5	367.6
125°	402.6	402.9	403.1	403.5	403.7	404.0	404.3	404.6	404.8	405.1	405.3
127.5°	439.3	439.5	439.7	440.0	440.1	440.4	440.7	441.0	441.3	441.6	441.8
130°	463.3	463.8	464.4	465.0	465.5	466.0	466.2	466.6	466.8	467.1	467.1
132.5°	488.9	489.0	489.3	489.6	489.7	490.0	490.3	490.6	490.9	491.1	491.3
135°	524.0	524.4	524.9	525.3	525.7	526.1	526.3	526.6	526.9	527.2	527.2
137.5°	560.9	560.9	560.8	560.7	560.6	560.8	561.1	561.5	561.8	562.2	562.0
140°	583.4	583.6	583.7	583.8	584.0	584.1	584.3	584.4	584.5	584.7	584.7
142.5°	605.9	606.0	606.0	606.0	606.1	606.1	606.1	606.1	606.1	606.1	606.3
145°	636.5	636.9	637.3	637.7	638.2	638.4	638.6	638.8	638.9	639.0	638.9
147.5°	667.4	667.5	667.7	667.8	668.0	668.0	668.2	668.3	668.4	668.6	668.7
150°	686.3	686.5	686.6	686.7	686.9	687.0	687.0	687.0	687.0	687.0	687.0
152.5°	703.7	704.0	704.5	704.8	705.2	705.2	704.8	704.5	704.1	703.8	703.7
155°	727.9	728.4	729.0	729.5	730.1	730.1	729.5	729.0	728.4	727.9	728.0
157.5°	749.4	749.9	750.4	750.9	751.4	751.4	751.0	750.5	750.1	749.7	749.8
160°	761.7	762.4	763.1	763.9	764.6	764.7	764.3	763.9	763.4	763.0	763.1
162.5°	774.5	775.2	775.9	776.6	777.3	777.3	776.5	775.8	775.0	774.2	774.4
165°	791.1	791.7	792.2	792.8	793.4	793.2	792.4	791.5	790.7	789.8	790.1
167.5°	803.0	803.9	804.8	805.6	806.5	806.5	805.6	804.9	804.0	803.1	803.1
170°	809.7	810.6	811.7	812.6	813.6	813.7	812.9	812.0	811.1	810.3	810.1
172.5°	815.3	816.2	817.3	818.2	819.2	819.2	818.3	817.3	816.4	815.4	815.4
175°	821.1	822.2	823.1	824.1	825.1	825.1	824.1	823.1	822.2	821.1	821.3
177.5°	824.2	825.1	826.0	826.9	827.9	827.9	827.1	826.3	825.5	824.8	824.8
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1757.9	1750.2	1746.4	1737.6	1727.1	1721.6	1716.7	1709.5	1700.1	1690.2	1683.1
5°	1847.1	1830.7	1810.0	1785.3	1763.2	1742.0	1723.4	1704.9	1683.5	1661.6	1639.5
7.5°	1938.7	1906.3	1871.2	1830.7	1791.1	1755.3	1722.3	1690.7	1654.9	1622.9	1593.7
10°	2002.5	1958.5	1909.7	1858.1	1806.6	1761.9	1717.9	1678.0	1634.0	1594.8	1561.9
12.5°	2054.2	2002.5	1943.8	1879.6	1817.6	1763.5	1713.0	1661.0	1610.9	1568.5	1524.5
15°	2139.9	2069.2	1990.1	1913.1	1832.7	1759.1	1691.1	1630.6	1573.6	1513.7	1471.8
17.5°	2199.0	2115.0	2018.9	1926.3	1831.3	1744.6	1666.0	1594.1	1528.2	1467.1	1417.2
20°	2234.1	2141.3	2034.8	1929.6	1823.1	1730.3	1645.7	1566.0	1497.9	1431.9	1380.4
22.5°	2253.9	2151.2	2034.8	1924.7	1814.3	1713.7	1620.9	1537.9	1463.8	1397.8	1340.7
25°	2260.3	2150.3	2031.4	1904.9	1783.9	1677.3	1581.1	1491.0	1408.5	1342.6	1282.0
27.5°	2251.5	2121.9	2000.2	1870.4	1745.5	1633.2	1532.1	1437.5	1355.0	1284.1	1222.1
30°	2238.3	2099.4	1968.8	1834.1	1707.5	1599.7	1493.1	1402.4	1316.5	1242.9	1180.3
32.5°	2209.7	2071.9	1931.4	1793.4	1665.3	1554.0	1452.9	1361.7	1277.4	1202.2	1135.7
35°	2153.0	2013.4	1860.9	1719.2	1593.5	1478.0	1383.1	1295.1	1214.7	1134.3	1064.1
37.5°	2078.4	1935.8	1784.0	1628.9	1503.0	1394.0	1306.9	1224.3	1145.8	1072.4	994.7
40°	2008.0	1878.1	1721.3	1567.4	1438.1	1332.9	1252.5	1177.6	1098.5	1025.6	948.0
42.5°	1922.8	1812.1	1653.7	1499.2	1371.6	1270.2	1195.3	1122.1	1050.2	979.5	898.5
45°	1780.5	1696.6	1548.1	1399.6	1271.1	1170.7	1102.0	1037.3	974.0	906.7	830.4
47.5°	1617.4	1560.6	1432.4	1280.4	1161.5	1071.2	1004.8	951.9	898.5	831.1	764.1
50°	1504.1	1467.7	1343.9	1205.1	1091.7	1008.5	940.4	890.9	846.2	781.6	721.8
52.5°	1383.1	1363.7	1259.2	1126.4	1016.8	935.3	877.2	832.6	787.4	733.7	677.8
55°	1198.9	1209.2	1120.5	1005.7	902.6	833.9	780.9	743.8	705.3	660.0	616.6
57.5°	1010.6	1048.2	988.7	887.9	791.3	727.7	687.9	656.6	624.3	586.7	549.7
60°	897.8	929.4	895.7	807.0	722.5	663.4	626.3	602.2	569.9	535.5	507.3
62.5°	787.8	821.7	801.7	730.0	651.5	600.7	567.9	545.5	521.5	491.5	462.3
65°	649.6	671.6	662.0	612.5	556.8	513.5	483.3	466.7	444.8	422.8	396.7
67.5°	497.6	540.0	534.4	508.2	460.0	426.2	406.4	391.8	371.8	355.4	337.7
70°	409.1	448.2	447.5	426.2	400.1	368.4	354.7	342.3	324.4	308.7	294.2
72.5°	334.8	370.7	376.0	359.6	341.8	317.9	304.7	296.2	278.8	267.9	256.2
75°	234.5	260.5	267.4	267.4	259.2	246.8	235.1	229.6	217.2	207.6	200.7
77.5°	153.7	170.2	180.9	183.4	184.7	180.6	170.9	167.0	157.6	154.1	147.5
80°	108.6	119.6	132.0	136.1	139.6	138.2	134.1	131.3	122.3	118.9	116.1
82.5°	75.1	81.1	91.3	100.4	99.4	103.0	99.4	97.2	90.5	89.2	86.4
85°	39.2	39.9	41.2	47.4	50.9	52.3	53.0	51.6	49.5	49.5	44.7
87.5°	15.6	14.8	15.7	15.4	15.6	17.5	18.9	19.1	17.7	16.4	15.1
90°	11.8	10.7	9.6	8.2	6.6	5.1	3.4	1.9	3.4	5.1	6.6
92.5°	23.7	22.9	22.1	20.8	19.0	17.2	15.5	13.7	15.5	17.2	19.0
95°	46.6	45.5	44.6	43.5	42.2	40.9	39.6	38.3	39.6	40.9	42.2
97.5°	74.5	73.4	72.2	71.0	70.0	69.1	68.0	67.0	68.0	69.1	70.0
100°	95.2	93.9	92.6	91.7	91.2	90.6	90.1	89.5	90.1	90.6	91.2
102.5°	116.9	115.7	114.6	113.9	113.7	113.4	113.2	113.0	113.2	113.4	113.7
105°	150.9	150.4	149.8	149.5	149.3	149.2	149.0	148.9	149.0	149.2	149.3
107.5°	187.6	187.5	187.4	187.3	187.1	186.9	186.8	186.6	186.8	186.9	187.1
110°	213.1	213.2	213.4	213.3	213.0	212.8	212.4	212.2	212.4	212.8	213.0



TEST NUMBER: P333100-935

CATALOG NUMBER: S124RDIW-S1195D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.3	238.6	238.8	238.9	238.9	238.8	238.8	238.8	238.8	238.8	238.9
115°	277.9	278.2	278.4	278.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6
117.5°	316.2	316.4	316.6	316.7	316.5	316.4	316.3	316.2	316.3	316.4	316.5
120°	342.8	343.2	343.5	343.5	342.9	342.3	341.8	341.2	341.8	342.3	342.9
122.5°	367.8	368.1	368.2	368.2	368.0	367.7	367.6	367.3	367.6	367.7	368.0
125°	405.4	405.5	405.7	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
127.5°	442.0	442.2	442.5	442.4	442.0	441.5	441.1	440.7	441.1	441.5	442.0
130°	467.1	467.1	467.1	466.9	466.5	466.1	465.6	465.2	465.6	466.1	466.5
132.5°	491.4	491.5	491.6	491.5	491.2	490.9	490.6	490.3	490.6	490.9	491.2
135°	527.2	527.2	527.2	526.8	525.9	525.0	524.2	523.4	524.2	525.0	525.9
137.5°	561.7	561.5	561.3	561.0	560.6	560.2	559.8	559.4	559.8	560.2	560.6
140°	584.7	584.7	584.7	584.5	584.3	584.0	583.7	583.4	583.7	584.0	584.3
142.5°	606.4	606.5	606.7	606.6	606.2	606.0	605.7	605.4	605.7	606.0	606.2
145°	638.8	638.6	638.4	638.1	637.6	637.0	636.4	635.8	636.4	637.0	637.6
147.5°	668.7	668.9	669.0	668.7	668.0	667.4	666.7	666.0	666.7	667.4	668.0
150°	687.0	687.0	687.0	686.6	686.1	685.5	684.9	684.4	684.9	685.5	686.1
152.5°	703.6	703.4	703.4	703.2	702.8	702.5	702.1	701.8	702.1	702.5	702.8
155°	728.1	728.2	728.4	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5
157.5°	749.8	749.8	749.8	749.9	750.2	750.4	750.7	751.0	750.7	750.4	750.2
160°	763.3	763.4	763.5	763.7	763.9	764.0	764.1	764.3	764.1	764.0	763.9
162.5°	774.6	774.6	774.8	775.1	775.4	775.8	776.2	776.5	776.2	775.8	775.4
165°	790.4	790.7	791.0	791.3	791.8	792.2	792.6	793.1	792.6	792.2	791.8
167.5°	803.1	803.1	803.0	803.3	803.9	804.5	805.1	805.6	805.1	804.5	803.9
170°	810.0	809.9	809.7	810.0	810.7	811.4	812.1	812.9	812.1	811.4	810.7
172.5°	815.4	815.3	815.3	815.5	816.1	816.7	817.3	817.9	817.3	816.7	816.1
175°	821.4	821.6	821.7	822.2	822.9	823.5	824.2	825.0	824.2	823.5	822.9
177.5°	824.8	824.8	824.8	825.0	825.6	826.1	826.7	827.2	826.7	826.1	825.6
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



TEST NUMBER: P333100-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1675.4	1669.9	1662.8	1654.5	1644.6	1635.8	1631.9	1635.3	1636.9	1632.5	1631.9
5°	1624.4	1607.2	1593.5	1572.9	1556.3	1542.6	1533.0	1528.9	1530.3	1519.2	1516.5
7.5°	1567.1	1546.7	1524.1	1499.7	1476.9	1456.6	1446.0	1440.3	1428.7	1423.7	1415.3
10°	1530.3	1502.7	1480.7	1451.8	1425.7	1401.7	1390.0	1380.4	1368.6	1363.1	1351.5
12.5°	1492.3	1460.3	1436.1	1406.2	1379.5	1350.6	1339.4	1321.5	1303.2	1291.7	1276.7
15°	1438.8	1400.3	1370.7	1335.0	1303.4	1270.4	1240.8	1207.8	1195.4	1169.3	1154.2
17.5°	1376.2	1337.2	1300.6	1252.7	1203.9	1162.9	1131.4	1099.8	1080.8	1064.1	1056.4
20°	1335.0	1299.2	1248.4	1192.7	1138.4	1093.0	1067.6	1047.0	1026.3	1014.7	1006.4
22.5°	1296.0	1250.3	1191.2	1131.1	1076.8	1041.3	1019.8	998.6	981.8	970.7	959.7
25°	1230.5	1170.7	1108.1	1039.4	1002.3	971.4	948.0	930.7	920.5	906.0	900.5
27.5°	1163.3	1090.8	1021.8	975.6	936.9	908.6	888.3	875.4	862.3	853.1	845.9
30°	1111.6	1038.0	976.1	932.1	892.9	869.6	853.1	838.0	827.7	820.1	814.6
32.5°	1060.4	986.9	934.9	887.6	856.7	833.9	816.2	804.9	796.9	787.1	783.8
35°	986.4	921.2	875.8	833.2	801.5	780.9	767.2	755.5	748.6	745.9	743.8
37.5°	915.4	861.9	813.1	778.2	750.0	733.7	717.6	711.8	707.1	702.1	704.4
40°	870.3	820.1	776.8	739.7	717.0	699.1	689.5	682.6	678.5	678.5	678.5
42.5°	831.2	782.1	739.9	706.7	684.0	668.9	658.1	652.4	651.0	650.5	653.8
45°	770.6	725.2	682.6	655.1	635.8	620.8	614.6	609.8	609.8	612.5	613.2
47.5°	710.5	668.0	633.8	603.0	585.4	575.9	570.6	568.1	568.3	571.1	574.3
50°	673.6	631.7	598.1	570.6	554.1	545.1	540.3	539.0	540.3	540.3	545.1
52.5°	633.5	596.0	562.8	539.8	521.1	512.7	510.1	508.2	508.9	511.2	513.2
55°	574.7	541.0	509.4	487.4	473.6	468.1	461.9	462.6	461.2	462.6	462.6
57.5°	515.7	485.4	456.1	438.6	426.5	418.5	411.7	413.7	411.6	411.4	410.3
60°	477.8	444.8	421.4	405.6	391.8	385.0	378.8	380.1	378.1	376.7	373.9
62.5°	436.5	409.1	386.8	371.5	360.5	352.5	346.3	344.9	340.2	335.4	329.4
65°	376.7	354.0	334.1	319.7	309.4	303.2	298.3	294.2	283.9	272.9	267.4
67.5°	318.6	302.2	283.6	271.4	263.0	254.9	245.7	238.7	229.0	223.0	219.6
70°	281.1	265.4	249.5	237.8	228.9	221.4	211.0	206.2	199.3	196.6	193.2
72.5°	245.4	230.7	216.0	205.4	195.9	190.0	181.9	177.1	174.1	173.0	169.5
75°	191.1	179.4	168.4	158.8	151.3	147.1	143.7	140.3	138.9	132.7	129.2
77.5°	139.4	131.7	124.8	118.0	112.6	109.9	103.2	99.3	96.9	94.0	93.3
80°	108.6	103.1	96.3	92.1	84.6	81.8	79.0	78.4	77.7	77.0	76.3
82.5°	81.7	76.2	69.3	66.8	64.7	63.1	61.5	60.8	60.1	60.5	60.4
85°	41.2	38.5	38.5	37.8	37.1	36.4	35.7	35.7	35.0	35.7	35.0
87.5°	15.4	15.1	15.3	14.5	15.2	15.5	15.1	15.2	16.0	15.1	15.2
90°	8.2	9.6	10.7	11.8	12.9	14.0	14.9	15.8	16.6	17.5	18.0
92.5°	20.8	22.1	22.9	23.7	24.5	25.3	25.8	26.3	26.9	27.4	27.7
95°	43.5	44.6	45.5	46.6	47.6	48.6	49.0	49.4	49.9	50.3	50.5
97.5°	71.0	72.2	73.4	74.5	75.7	76.8	77.3	77.8	78.4	78.9	79.1
100°	91.7	92.6	93.9	95.2	96.5	97.8	98.1	98.3	98.6	98.9	99.0
102.5°	113.9	114.6	115.7	116.9	118.0	119.2	119.7	120.0	120.5	120.8	121.1
105°	149.5	149.8	150.4	150.9	151.5	152.1	152.5	152.9	153.3	153.8	154.2
107.5°	187.3	187.4	187.5	187.6	187.7	187.8	188.1	188.6	188.9	189.3	189.5
110°	213.3	213.4	213.2	213.1	212.9	212.8	212.5	212.2	212.0	211.6	211.7



TEST NUMBER: P333100-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	238.9	238.8	238.6	238.3	238.1	237.8	237.8	237.7	237.6	237.6	237.6
115°	278.6	278.4	278.2	277.9	277.6	277.3	277.2	277.1	276.9	276.7	276.6
117.5°	316.7	316.6	316.4	316.2	316.0	315.8	315.3	314.9	314.4	313.8	313.5
120°	343.5	343.5	343.2	342.8	342.3	341.9	341.1	340.4	339.8	339.1	338.8
122.5°	368.2	368.2	368.1	367.8	367.6	367.5	367.0	366.4	366.0	365.5	365.0
125°	405.8	405.7	405.5	405.4	405.3	405.1	404.8	404.6	404.3	404.0	403.7
127.5°	442.4	442.5	442.2	442.0	441.8	441.6	441.3	441.0	440.7	440.4	440.1
130°	466.9	467.1	467.1	467.1	467.1	467.1	466.8	466.6	466.2	466.0	465.5
132.5°	491.5	491.6	491.5	491.4	491.3	491.1	490.9	490.6	490.3	490.0	489.7
135°	526.8	527.2	527.2	527.2	527.2	527.2	526.9	526.6	526.3	526.1	525.7
137.5°	561.0	561.3	561.5	561.7	562.0	562.2	561.8	561.5	561.1	560.8	560.6
140°	584.5	584.7	584.7	584.7	584.7	584.7	584.5	584.4	584.3	584.1	584.0
142.5°	606.6	606.7	606.5	606.4	606.3	606.1	606.1	606.1	606.1	606.1	606.1
145°	638.1	638.4	638.6	638.8	638.9	639.0	638.9	638.8	638.6	638.4	638.2
147.5°	668.7	669.0	668.9	668.7	668.7	668.6	668.4	668.3	668.2	668.0	668.0
150°	686.6	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	686.9
152.5°	703.2	703.4	703.4	703.6	703.7	703.8	704.1	704.5	704.8	705.2	705.2
155°	728.5	728.4	728.2	728.1	728.0	727.9	728.4	729.0	729.5	730.1	730.1
157.5°	749.9	749.8	749.8	749.8	749.8	749.7	750.1	750.5	751.0	751.4	751.4
160°	763.7	763.5	763.4	763.3	763.1	763.0	763.4	763.9	764.3	764.7	764.6
162.5°	775.1	774.8	774.6	774.6	774.4	774.2	775.0	775.8	776.5	777.3	777.3
165°	791.3	791.0	790.7	790.4	790.1	789.8	790.7	791.5	792.4	793.2	793.4
167.5°	803.3	803.0	803.1	803.1	803.1	803.1	804.0	804.9	805.6	806.5	806.5
170°	810.0	809.7	809.9	810.0	810.1	810.3	811.1	812.0	812.9	813.7	813.6
172.5°	815.5	815.3	815.3	815.4	815.4	815.4	816.4	817.3	818.3	819.2	819.2
175°	822.2	821.7	821.6	821.4	821.3	821.1	822.2	823.1	824.1	825.1	825.1
177.5°	825.0	824.8	824.8	824.8	824.8	824.8	825.5	826.3	827.1	827.9	827.9
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



TEST NUMBER: P333100-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1628.7	1629.8	1625.9	1624.8	1625.9	1629.8	1628.7	1631.9	1632.5	1636.9	1635.3
5°	1511.0	1509.6	1506.1	1506.8	1506.1	1509.6	1511.0	1516.5	1519.2	1530.3	1528.9
7.5°	1410.3	1405.0	1406.4	1401.0	1406.4	1405.0	1410.3	1415.3	1423.7	1428.7	1440.3
10°	1348.8	1341.2	1335.0	1329.5	1335.0	1341.2	1348.8	1351.5	1363.1	1368.6	1380.4
12.5°	1264.6	1258.1	1249.7	1251.4	1249.7	1258.1	1264.6	1276.7	1291.7	1303.2	1321.5
15°	1145.2	1135.0	1118.4	1120.5	1118.4	1135.0	1145.2	1154.2	1169.3	1195.4	1207.8
17.5°	1044.2	1044.3	1036.8	1038.5	1036.8	1044.3	1044.2	1056.4	1064.1	1080.8	1099.8
20°	992.0	987.1	987.8	985.8	987.8	987.1	992.0	1006.4	1014.7	1026.3	1047.0
22.5°	955.6	949.8	944.9	940.6	944.9	949.8	955.6	959.7	970.7	981.8	998.6
25°	894.3	890.2	884.1	882.7	884.1	890.2	894.3	900.5	906.0	920.5	930.7
27.5°	840.4	839.6	837.2	834.0	837.2	839.6	840.4	845.9	853.1	862.3	875.4
30°	809.1	807.7	806.3	804.3	806.3	807.7	809.1	814.6	820.1	827.7	838.0
32.5°	781.1	780.2	778.9	779.0	778.9	780.2	781.1	783.8	787.1	796.9	804.9
35°	741.1	740.4	739.0	738.3	739.0	740.4	741.1	743.8	745.9	748.6	755.5
37.5°	703.7	705.4	704.6	704.5	704.6	705.4	703.7	704.4	702.1	707.1	711.8
40°	677.8	678.5	679.8	679.2	679.8	678.5	677.8	678.5	678.5	678.5	682.6
42.5°	656.3	656.5	658.4	656.1	658.4	656.5	656.3	653.8	650.5	651.0	652.4
45°	618.0	622.2	621.5	621.5	621.5	622.2	618.0	613.2	612.5	609.8	609.8
47.5°	576.1	579.6	580.6	580.5	580.6	579.6	576.1	574.3	571.1	568.3	568.1
50°	548.5	547.2	549.2	548.5	549.2	547.2	548.5	545.1	540.3	540.3	539.0
52.5°	515.1	515.3	515.1	514.4	515.1	515.3	515.1	513.2	511.2	508.9	508.2
55°	463.3	464.0	462.6	463.3	462.6	464.0	463.3	462.6	462.6	461.2	462.6
57.5°	407.3	403.9	405.3	403.6	405.3	403.9	407.3	410.3	411.4	411.6	413.7
60°	367.1	361.6	360.2	357.5	360.2	361.6	367.1	373.9	376.7	378.1	380.1
62.5°	322.0	318.1	313.5	315.6	313.5	318.1	322.0	329.4	335.4	340.2	344.9
65°	261.9	259.2	257.1	259.8	257.1	259.2	261.9	267.4	272.9	283.9	294.2
67.5°	216.8	215.3	215.3	214.0	215.3	215.3	216.8	219.6	223.0	229.0	238.7
70°	193.2	191.1	191.1	189.8	191.1	191.1	193.2	193.2	196.6	199.3	206.2
72.5°	168.9	166.9	167.5	166.6	167.5	166.9	168.9	169.5	173.0	174.1	177.1
75°	125.1	121.7	121.7	122.3	121.7	121.7	125.1	129.2	132.7	138.9	140.3
77.5°	93.3	92.6	93.6	92.4	93.6	92.6	93.3	93.3	94.0	96.9	99.3
80°	76.3	75.6	74.9	77.0	74.9	75.6	76.3	76.3	77.0	77.7	78.4
82.5°	59.2	59.2	59.0	61.6	59.0	59.2	59.2	60.4	60.5	60.1	60.8
85°	35.7	34.4	35.7	34.4	35.7	34.4	35.7	35.0	35.7	35.0	35.7
87.5°	16.3	15.8	15.3	15.9	15.3	15.8	16.3	15.2	15.1	16.0	15.2
90°	18.3	18.6	18.9	19.2	18.9	18.6	18.3	18.0	17.5	16.6	15.8
92.5°	27.9	28.1	28.2	28.4	28.2	28.1	27.9	27.7	27.4	26.9	26.3
95°	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.3	49.9	49.4
97.5°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	78.9	78.4	77.8
100°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	98.9	98.6	98.3
102.5°	121.2	121.3	121.4	121.6	121.4	121.3	121.2	121.1	120.8	120.5	120.0
105°	154.6	155.1	155.5	155.9	155.5	155.1	154.6	154.2	153.8	153.3	152.9
107.5°	189.5	189.5	189.4	189.4	189.4	189.5	189.5	189.5	189.3	188.9	188.6
110°	212.2	212.6	213.0	213.4	213.0	212.6	212.2	211.7	211.6	212.0	212.2



TEST NUMBER: P333100-935

CATALOG NUMBER: S124RDIW-S1195D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	237.7	237.8	237.9	238.0	237.9	237.8	237.7	237.6	237.6	237.6	237.7
115°	276.5	276.4	276.2	276.0	276.2	276.4	276.5	276.6	276.7	276.9	277.1
117.5°	313.2	312.9	312.6	312.4	312.6	312.9	313.2	313.5	313.8	314.4	314.9
120°	339.1	339.4	339.7	339.9	339.7	339.4	339.1	338.8	339.1	339.8	340.4
122.5°	364.5	363.9	363.5	363.0	363.5	363.9	364.5	365.0	365.5	366.0	366.4
125°	403.5	403.1	402.9	402.6	402.9	403.1	403.5	403.7	404.0	404.3	404.6
127.5°	440.0	439.7	439.5	439.3	439.5	439.7	440.0	440.1	440.4	440.7	441.0
130°	465.0	464.4	463.8	463.3	463.8	464.4	465.0	465.5	466.0	466.2	466.6
132.5°	489.6	489.3	489.0	488.9	489.0	489.3	489.6	489.7	490.0	490.3	490.6
135°	525.3	524.9	524.4	524.0	524.4	524.9	525.3	525.7	526.1	526.3	526.6
137.5°	560.7	560.8	560.9	560.9	560.9	560.8	560.7	560.6	560.8	561.1	561.5
140°	583.8	583.7	583.6	583.4	583.6	583.7	583.8	584.0	584.1	584.3	584.4
142.5°	606.0	606.0	606.0	605.9	606.0	606.0	606.0	606.1	606.1	606.1	606.1
145°	637.7	637.3	636.9	636.5	636.9	637.3	637.7	638.2	638.4	638.6	638.8
147.5°	667.8	667.7	667.5	667.4	667.5	667.7	667.8	668.0	668.0	668.2	668.3
150°	686.7	686.6	686.5	686.3	686.5	686.6	686.7	686.9	687.0	687.0	687.0
152.5°	704.8	704.5	704.0	703.7	704.0	704.5	704.8	705.2	705.2	704.8	704.5
155°	729.5	729.0	728.4	727.9	728.4	729.0	729.5	730.1	730.1	729.5	729.0
157.5°	750.9	750.4	749.9	749.4	749.9	750.4	750.9	751.4	751.4	751.0	750.5
160°	763.9	763.1	762.4	761.7	762.4	763.1	763.9	764.6	764.7	764.3	763.9
162.5°	776.6	775.9	775.2	774.5	775.2	775.9	776.6	777.3	777.3	776.5	775.8
165°	792.8	792.2	791.7	791.1	791.7	792.2	792.8	793.4	793.2	792.4	791.5
167.5°	805.6	804.8	803.9	803.0	803.9	804.8	805.6	806.5	806.5	805.6	804.9
170°	812.6	811.7	810.6	809.7	810.6	811.7	812.6	813.6	813.7	812.9	812.0
172.5°	818.2	817.3	816.2	815.3	816.2	817.3	818.2	819.2	819.2	818.3	817.3
175°	824.1	823.1	822.2	821.1	822.2	823.1	824.1	825.1	825.1	824.1	823.1
177.5°	826.9	826.0	825.1	824.2	825.1	826.0	826.9	827.9	827.9	827.1	826.3
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



TEST NUMBER: P333100-935

CATALOG NUMBER: S124RDIW-S1195D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1631.9	1635.8	1644.6	1654.5	1662.8	1669.9	1675.4	1683.1	1690.2	1700.1	1709.5
5°	1533.0	1542.6	1556.3	1572.9	1593.5	1607.2	1624.4	1639.5	1661.6	1683.5	1704.9
7.5°	1446.0	1456.6	1476.9	1499.7	1524.1	1546.7	1567.1	1593.7	1622.9	1654.9	1690.7
10°	1390.0	1401.7	1425.7	1451.8	1480.7	1502.7	1530.3	1561.9	1594.8	1634.0	1678.0
12.5°	1339.4	1350.6	1379.5	1406.2	1436.1	1460.3	1492.3	1524.5	1568.5	1610.9	1661.0
15°	1240.8	1270.4	1303.4	1335.0	1370.7	1400.3	1438.8	1471.8	1513.7	1573.6	1630.6
17.5°	1131.4	1162.9	1203.9	1252.7	1300.6	1337.2	1376.2	1417.2	1467.1	1528.2	1594.1
20°	1067.6	1093.0	1138.4	1192.7	1248.4	1299.2	1335.0	1380.4	1431.9	1497.9	1566.0
22.5°	1019.8	1041.3	1076.8	1131.1	1191.2	1250.3	1296.0	1340.7	1397.8	1463.8	1537.9
25°	948.0	971.4	1002.3	1039.4	1108.1	1170.7	1230.5	1282.0	1342.6	1408.5	1491.0
27.5°	888.3	908.6	936.9	975.6	1021.8	1090.8	1163.3	1222.1	1284.1	1355.0	1437.5
30°	853.1	869.6	892.9	932.1	976.1	1038.0	1111.6	1180.3	1242.9	1316.5	1402.4
32.5°	816.2	833.9	856.7	887.6	934.9	986.9	1060.4	1135.7	1202.2	1277.4	1361.7
35°	767.2	780.9	801.5	833.2	875.8	921.2	986.4	1064.1	1134.3	1214.7	1295.1
37.5°	717.6	733.7	750.0	778.2	813.1	861.9	915.4	994.7	1072.4	1145.8	1224.3
40°	689.5	699.1	717.0	739.7	776.8	820.1	870.3	948.0	1025.6	1098.5	1177.6
42.5°	658.1	668.9	684.0	706.7	739.9	782.1	831.2	898.5	979.5	1050.2	1122.1
45°	614.6	620.8	635.8	655.1	682.6	725.2	770.6	830.4	906.7	974.0	1037.3
47.5°	570.6	575.9	585.4	603.0	633.8	668.0	710.5	764.1	831.1	898.5	951.9
50°	540.3	545.1	554.1	570.6	598.1	631.7	673.6	721.8	781.6	846.2	890.9
52.5°	510.1	512.7	521.1	539.8	562.8	596.0	633.5	677.8	733.7	787.4	832.6
55°	461.9	468.1	473.6	487.4	509.4	541.0	574.7	616.6	660.0	705.3	743.8
57.5°	411.7	418.5	426.5	438.6	456.1	485.4	515.7	549.7	586.7	624.3	656.6
60°	378.8	385.0	391.8	405.6	421.4	444.8	477.8	507.3	535.5	569.9	602.2
62.5°	346.3	352.5	360.5	371.5	386.8	409.1	436.5	462.3	491.5	521.5	545.5
65°	298.3	303.2	309.4	319.7	334.1	354.0	376.7	396.7	422.8	444.8	466.7
67.5°	245.7	254.9	263.0	271.4	283.6	302.2	318.6	337.7	355.4	371.8	391.8
70°	211.0	221.4	228.9	237.8	249.5	265.4	281.1	294.2	308.7	324.4	342.3
72.5°	181.9	190.0	195.9	205.4	216.0	230.7	245.4	256.2	267.9	278.8	296.2
75°	143.7	147.1	151.3	158.8	168.4	179.4	191.1	200.7	207.6	217.2	229.6
77.5°	103.2	109.9	112.6	118.0	124.8	131.7	139.4	147.5	154.1	157.6	167.0
80°	79.0	81.8	84.6	92.1	96.3	103.1	108.6	116.1	118.9	122.3	131.3
82.5°	61.5	63.1	64.7	66.8	69.3	76.2	81.7	86.4	89.2	90.5	97.2
85°	35.7	36.4	37.1	37.8	38.5	38.5	41.2	44.7	49.5	49.5	51.6
87.5°	15.1	15.5	15.2	14.5	15.3	15.1	15.4	15.1	16.4	17.7	19.1
90°	14.9	14.0	12.9	11.8	10.7	9.6	8.2	6.6	5.1	3.4	1.9
92.5°	25.8	25.3	24.5	23.7	22.9	22.1	20.8	19.0	17.2	15.5	13.7
95°	49.0	48.6	47.6	46.6	45.5	44.6	43.5	42.2	40.9	39.6	38.3
97.5°	77.3	76.8	75.7	74.5	73.4	72.2	71.0	70.0	69.1	68.0	67.0
100°	98.1	97.8	96.5	95.2	93.9	92.6	91.7	91.2	90.6	90.1	89.5
102.5°	119.7	119.2	118.0	116.9	115.7	114.6	113.9	113.7	113.4	113.2	113.0
105°	152.5	152.1	151.5	150.9	150.4	149.8	149.5	149.3	149.2	149.0	148.9
107.5°	188.1	187.8	187.7	187.6	187.5	187.4	187.3	187.1	186.9	186.8	186.6
110°	212.5	212.8	212.9	213.1	213.2	213.4	213.3	213.0	212.8	212.4	212.2



TEST NUMBER: P333100-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	237.8	237.8	238.1	238.3	238.6	238.8	238.9	238.9	238.8	238.8	238.8
115°	277.2	277.3	277.6	277.9	278.2	278.4	278.6	278.6	278.6	278.6	278.6
117.5°	315.3	315.8	316.0	316.2	316.4	316.6	316.7	316.5	316.4	316.3	316.2
120°	341.1	341.9	342.3	342.8	343.2	343.5	343.5	342.9	342.3	341.8	341.2
122.5°	367.0	367.5	367.6	367.8	368.1	368.2	368.2	368.0	367.7	367.6	367.3
125°	404.8	405.1	405.3	405.4	405.5	405.7	405.8	405.8	405.8	405.8	405.8
127.5°	441.3	441.6	441.8	442.0	442.2	442.5	442.4	442.0	441.5	441.1	440.7
130°	466.8	467.1	467.1	467.1	467.1	467.1	466.9	466.5	466.1	465.6	465.2
132.5°	490.9	491.1	491.3	491.4	491.5	491.6	491.5	491.2	490.9	490.6	490.3
135°	526.9	527.2	527.2	527.2	527.2	527.2	526.8	525.9	525.0	524.2	523.4
137.5°	561.8	562.2	562.0	561.7	561.5	561.3	561.0	560.6	560.2	559.8	559.4
140°	584.5	584.7	584.7	584.7	584.7	584.7	584.5	584.3	584.0	583.7	583.4
142.5°	606.1	606.1	606.3	606.4	606.5	606.7	606.6	606.2	606.0	605.7	605.4
145°	638.9	639.0	638.9	638.8	638.6	638.4	638.1	637.6	637.0	636.4	635.8
147.5°	668.4	668.6	668.7	668.7	668.9	669.0	668.7	668.0	667.4	666.7	666.0
150°	687.0	687.0	687.0	687.0	687.0	687.0	686.6	686.1	685.5	684.9	684.4
152.5°	704.1	703.8	703.7	703.6	703.4	703.4	703.2	702.8	702.5	702.1	701.8
155°	728.4	727.9	728.0	728.1	728.2	728.4	728.5	728.5	728.5	728.5	728.5
157.5°	750.1	749.7	749.8	749.8	749.8	749.8	749.9	750.2	750.4	750.7	751.0
160°	763.4	763.0	763.1	763.3	763.4	763.5	763.7	763.9	764.0	764.1	764.3
162.5°	775.0	774.2	774.4	774.6	774.6	774.8	775.1	775.4	775.8	776.2	776.5
165°	790.7	789.8	790.1	790.4	790.7	791.0	791.3	791.8	792.2	792.6	793.1
167.5°	804.0	803.1	803.1	803.1	803.1	803.0	803.3	803.9	804.5	805.1	805.6
170°	811.1	810.3	810.1	810.0	809.9	809.7	810.0	810.7	811.4	812.1	812.9
172.5°	816.4	815.4	815.4	815.4	815.3	815.3	815.5	816.1	816.7	817.3	817.9
175°	822.2	821.1	821.3	821.4	821.6	821.7	822.2	822.9	823.5	824.2	825.0
177.5°	825.5	824.8	824.8	824.8	824.8	824.8	825.0	825.6	826.1	826.7	827.2
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



TEST NUMBER: P333100-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1716.7	1721.6	1727.1	1737.6	1746.4	1750.2	1757.9	1763.4	1761.8	1769.4	1782.6
5°	1723.4	1742.0	1763.2	1785.3	1810.0	1830.7	1847.1	1863.6	1876.7	1892.5	1915.9
7.5°	1722.3	1755.3	1791.1	1830.7	1871.2	1906.3	1938.7	1971.7	2001.0	2033.0	2074.9
10°	1717.9	1761.9	1806.6	1858.1	1909.7	1958.5	2002.5	2043.8	2082.9	2124.9	2177.8
12.5°	1713.0	1763.5	1817.6	1879.6	1943.8	2002.5	2054.2	2113.6	2162.7	2216.7	2277.9
15°	1691.1	1759.1	1832.7	1913.1	1990.1	2069.2	2139.9	2212.9	2280.9	2345.5	2422.5
17.5°	1666.0	1744.6	1831.3	1926.3	2018.9	2115.0	2199.0	2290.8	2360.3	2447.1	2518.6
20°	1645.7	1730.3	1823.1	1929.6	2034.8	2141.3	2234.1	2327.6	2406.0	2493.3	2584.0
22.5°	1620.9	1713.7	1814.3	1924.7	2034.8	2151.2	2253.9	2346.9	2443.9	2542.3	2635.8
25°	1581.1	1677.3	1783.9	1904.9	2031.4	2150.3	2260.3	2375.8	2480.3	2586.8	2670.6
27.5°	1532.1	1633.2	1745.5	1870.4	2000.2	2121.9	2251.5	2374.6	2479.7	2582.2	2655.4
30°	1493.1	1599.7	1707.5	1834.1	1968.8	2099.4	2238.3	2361.3	2472.0	2564.1	2605.4
32.5°	1452.9	1554.0	1665.3	1793.4	1931.4	2071.9	2209.7	2335.5	2437.9	2493.2	2494.2
35°	1383.1	1478.0	1593.5	1719.2	1860.9	2013.4	2153.0	2276.7	2339.3	2344.2	2276.7
37.5°	1306.9	1394.0	1503.0	1628.9	1784.0	1935.8	2078.4	2160.9	2181.8	2111.8	1987.2
40°	1252.5	1332.9	1438.1	1567.4	1721.3	1878.1	2008.0	2068.5	2046.5	1933.0	1794.2
42.5°	1195.3	1270.2	1371.6	1499.2	1653.7	1812.1	1922.8	1955.2	1896.9	1765.9	1603.4
45°	1102.0	1170.7	1271.1	1399.6	1548.1	1696.6	1780.5	1763.9	1667.0	1511.7	1329.5
47.5°	1004.8	1071.2	1161.5	1280.4	1432.4	1560.6	1617.4	1567.6	1429.7	1258.8	1110.6
50°	940.4	1008.5	1091.7	1205.1	1343.9	1467.7	1504.1	1428.5	1275.1	1110.9	974.7
52.5°	877.2	935.3	1016.8	1126.4	1259.2	1363.7	1383.1	1296.0	1137.7	990.4	869.7
55°	780.9	833.9	902.6	1005.7	1120.5	1209.2	1198.9	1086.8	943.1	817.3	722.5
57.5°	687.9	727.7	791.3	887.9	988.7	1048.2	1010.6	915.0	781.1	678.1	598.1
60°	626.3	663.4	722.5	807.0	895.7	929.4	897.8	794.0	688.1	593.9	526.6
62.5°	567.9	600.7	651.5	730.0	801.7	821.7	787.8	697.2	601.8	521.3	465.5
65°	483.3	513.5	556.8	612.5	662.0	671.6	649.6	556.8	484.7	417.2	378.8
67.5°	406.4	426.2	460.0	508.2	534.4	540.0	497.6	439.3	375.7	334.2	305.2
70°	354.7	368.4	400.1	426.2	447.5	448.2	409.1	362.3	313.5	279.8	258.5
72.5°	304.7	317.9	341.8	359.6	376.0	370.7	334.8	297.9	258.5	233.1	217.2
75°	235.1	246.8	259.2	267.4	267.4	260.5	234.5	206.9	184.3	169.1	164.3
77.5°	170.9	180.6	184.7	183.4	180.9	170.2	153.7	135.7	127.6	120.5	116.8
80°	134.1	138.2	139.6	136.1	132.0	119.6	108.6	101.1	93.5	90.7	89.4
82.5°	99.4	103.0	99.4	100.4	91.3	81.1	75.1	72.5	69.3	68.2	66.8
85°	53.0	52.3	50.9	47.4	41.2	39.9	39.2	38.5	37.1	37.8	36.4
87.5°	18.9	17.5	15.6	15.4	15.7	14.8	15.6	15.8	16.0	15.7	16.9
90°	3.4	5.1	6.6	8.2	9.6	10.7	11.8	12.9	14.0	14.9	15.8
92.5°	15.5	17.2	19.0	20.8	22.1	22.9	23.7	24.5	25.3	25.8	26.3
95°	39.6	40.9	42.2	43.5	44.6	45.5	46.6	47.6	48.6	49.0	49.4
97.5°	68.0	69.1	70.0	71.0	72.2	73.4	74.5	75.7	76.8	77.3	77.8
100°	90.1	90.6	91.2	91.7	92.6	93.9	95.2	96.5	97.8	98.1	98.3
102.5°	113.2	113.4	113.7	113.9	114.6	115.7	116.9	118.0	119.2	119.7	120.0
105°	149.0	149.2	149.3	149.5	149.8	150.4	150.9	151.5	152.1	152.5	152.9
107.5°	186.8	186.9	187.1	187.3	187.4	187.5	187.6	187.7	187.8	188.1	188.6
110°	212.4	212.8	213.0	213.3	213.4	213.2	213.1	212.9	212.8	212.5	212.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	238.8	238.8	238.9	238.9	238.8	238.6	238.3	238.1	237.8	237.8	237.7
115°	278.6	278.6	278.6	278.6	278.4	278.2	277.9	277.6	277.3	277.2	277.1
117.5°	316.3	316.4	316.5	316.7	316.6	316.4	316.2	316.0	315.8	315.3	314.9
120°	341.8	342.3	342.9	343.5	343.5	343.2	342.8	342.3	341.9	341.1	340.4
122.5°	367.6	367.7	368.0	368.2	368.2	368.1	367.8	367.6	367.5	367.0	366.4
125°	405.8	405.8	405.8	405.8	405.7	405.5	405.4	405.3	405.1	404.8	404.6
127.5°	441.1	441.5	442.0	442.4	442.5	442.2	442.0	441.8	441.6	441.3	441.0
130°	465.6	466.1	466.5	466.9	467.1	467.1	467.1	467.1	467.1	466.8	466.6
132.5°	490.6	490.9	491.2	491.5	491.6	491.5	491.4	491.3	491.1	490.9	490.6
135°	524.2	525.0	525.9	526.8	527.2	527.2	527.2	527.2	527.2	526.9	526.6
137.5°	559.8	560.2	560.6	561.0	561.3	561.5	561.7	562.0	562.2	561.8	561.5
140°	583.7	584.0	584.3	584.5	584.7	584.7	584.7	584.7	584.7	584.5	584.4
142.5°	605.7	606.0	606.2	606.6	606.7	606.5	606.4	606.3	606.1	606.1	606.1
145°	636.4	637.0	637.6	638.1	638.4	638.6	638.8	638.9	639.0	638.9	638.8
147.5°	666.7	667.4	668.0	668.7	669.0	668.9	668.7	668.7	668.6	668.4	668.3
150°	684.9	685.5	686.1	686.6	687.0	687.0	687.0	687.0	687.0	687.0	687.0
152.5°	702.1	702.5	702.8	703.2	703.4	703.4	703.6	703.7	703.8	704.1	704.5
155°	728.5	728.5	728.5	728.5	728.4	728.2	728.1	728.0	727.9	728.4	729.0
157.5°	750.7	750.4	750.2	749.9	749.8	749.8	749.8	749.8	749.7	750.1	750.5
160°	764.1	764.0	763.9	763.7	763.5	763.4	763.3	763.1	763.0	763.4	763.9
162.5°	776.2	775.8	775.4	775.1	774.8	774.6	774.6	774.4	774.2	775.0	775.8
165°	792.6	792.2	791.8	791.3	791.0	790.7	790.4	790.1	789.8	790.7	791.5
167.5°	805.1	804.5	803.9	803.3	803.0	803.1	803.1	803.1	803.1	804.0	804.9
170°	812.1	811.4	810.7	810.0	809.7	809.9	810.0	810.1	810.3	811.1	812.0
172.5°	817.3	816.7	816.1	815.5	815.3	815.3	815.4	815.4	815.4	816.4	817.3
175°	824.2	823.5	822.9	822.2	821.7	821.6	821.4	821.3	821.1	822.2	823.1
177.5°	826.7	826.1	825.6	825.0	824.8	824.8	824.8	824.8	824.8	825.5	826.3
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2	826.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2	1706.2
2.5°	1789.8	1792.0	1793.6	1799.1	1799.7	1804.7	1799.7
5°	1937.9	1947.5	1962.6	1977.7	1979.1	1988.7	1971.5
7.5°	2103.9	2126.2	2140.1	2164.6	2174.2	2180.2	2170.3
10°	2218.4	2238.9	2275.4	2293.3	2311.2	2313.9	2305.7
12.5°	2328.9	2361.6	2390.3	2424.1	2423.4	2447.6	2438.7
15°	2476.1	2509.8	2549.7	2587.5	2601.3	2601.3	2612.3
17.5°	2581.2	2642.9	2684.2	2713.9	2746.2	2751.9	2748.1
20°	2652.1	2718.8	2762.8	2801.3	2823.3	2829.5	2829.5
22.5°	2704.9	2761.7	2804.6	2839.2	2857.4	2864.6	2862.5
25°	2741.5	2790.2	2816.4	2826.7	2831.5	2830.2	2817.1
27.5°	2691.4	2689.2	2672.7	2641.1	2617.4	2602.9	2586.4
30°	2595.7	2560.0	2518.8	2473.4	2414.9	2370.2	2356.5
32.5°	2453.3	2373.0	2303.2	2227.6	2164.7	2120.0	2101.4
35°	2177.8	2050.6	1946.8	1856.1	1790.1	1748.9	1735.1
37.5°	1850.8	1727.8	1599.2	1511.2	1456.6	1414.9	1399.3
40°	1643.0	1508.9	1396.9	1314.4	1258.0	1217.5	1216.8
42.5°	1453.2	1325.3	1219.8	1160.4	1099.6	1072.8	1072.6
45°	1189.9	1087.5	998.2	951.4	915.0	892.9	886.7
47.5°	985.2	900.5	841.0	803.7	774.0	760.0	751.0
50°	870.3	796.1	748.6	716.3	699.8	681.9	680.5
52.5°	774.6	714.6	677.7	651.4	630.5	619.7	620.1
55°	651.0	603.6	577.5	557.5	541.0	532.8	529.3
57.5°	548.5	512.8	493.9	475.5	468.6	462.1	460.3
60°	484.7	460.5	442.7	428.3	417.9	415.9	415.2
62.5°	431.9	406.7	394.3	383.1	375.7	372.5	371.2
65°	356.1	337.5	326.5	317.6	314.9	310.0	309.4
67.5°	287.1	276.0	268.6	262.4	258.7	258.5	258.5
70°	244.7	238.5	232.4	228.9	226.9	225.5	225.5
72.5°	208.4	203.9	198.8	197.0	196.6	195.2	194.7
75°	158.8	153.9	154.6	151.3	148.5	145.1	143.0
77.5°	112.6	109.2	108.5	108.1	105.7	105.3	106.4
80°	87.3	83.9	83.2	83.9	83.2	81.1	81.1
82.5°	66.4	63.5	62.9	62.4	61.7	62.4	61.3
85°	35.7	34.4	34.4	34.4	35.7	35.0	34.4
87.5°	16.0	15.6	16.3	15.8	15.8	15.3	15.9
90°	16.6	17.5	18.0	18.3	18.6	18.9	19.2
92.5°	26.9	27.4	27.7	27.9	28.1	28.2	28.4
95°	49.9	50.3	50.5	50.5	50.5	50.5	50.5
97.5°	78.4	78.9	79.1	79.1	79.1	79.1	79.1
100°	98.6	98.9	99.0	99.0	99.0	99.0	99.0
102.5°	120.5	120.8	121.1	121.2	121.3	121.4	121.6
105°	153.3	153.8	154.2	154.6	155.1	155.5	155.9
107.5°	188.9	189.3	189.5	189.5	189.5	189.4	189.4
110°	212.0	211.6	211.7	212.2	212.6	213.0	213.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	237.6	237.6	237.6	237.7	237.8	237.9	238.0
115°	276.9	276.7	276.6	276.5	276.4	276.2	276.0
117.5°	314.4	313.8	313.5	313.2	312.9	312.6	312.4
120°	339.8	339.1	338.8	339.1	339.4	339.7	339.9
122.5°	366.0	365.5	365.0	364.5	363.9	363.5	363.0
125°	404.3	404.0	403.7	403.5	403.1	402.9	402.6
127.5°	440.7	440.4	440.1	440.0	439.7	439.5	439.3
130°	466.2	466.0	465.5	465.0	464.4	463.8	463.3
132.5°	490.3	490.0	489.7	489.6	489.3	489.0	488.9
135°	526.3	526.1	525.7	525.3	524.9	524.4	524.0
137.5°	561.1	560.8	560.6	560.7	560.8	560.9	560.9
140°	584.3	584.1	584.0	583.8	583.7	583.6	583.4
142.5°	606.1	606.1	606.1	606.0	606.0	606.0	605.9
145°	638.6	638.4	638.2	637.7	637.3	636.9	636.5
147.5°	668.2	668.0	668.0	667.8	667.7	667.5	667.4
150°	687.0	687.0	686.9	686.7	686.6	686.5	686.3
152.5°	704.8	705.2	705.2	704.8	704.5	704.0	703.7
155°	729.5	730.1	730.1	729.5	729.0	728.4	727.9
157.5°	751.0	751.4	751.4	750.9	750.4	749.9	749.4
160°	764.3	764.7	764.6	763.9	763.1	762.4	761.7
162.5°	776.5	777.3	777.3	776.6	775.9	775.2	774.5
165°	792.4	793.2	793.4	792.8	792.2	791.7	791.1
167.5°	805.6	806.5	806.5	805.6	804.8	803.9	803.0
170°	812.9	813.7	813.6	812.6	811.7	810.6	809.7
172.5°	818.3	819.2	819.2	818.2	817.3	816.2	815.3
175°	824.1	825.1	825.1	824.1	823.1	822.2	821.1
177.5°	827.1	827.9	827.9	826.9	826.0	825.1	824.2
180°	826.2	826.2	826.2	826.2	826.2	826.2	826.2

(END OF REPORT)