

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: P333705-935

Luminaire Tested: **S125RDIW-S1090D770U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333705-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S1090D770U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 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: 5961.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

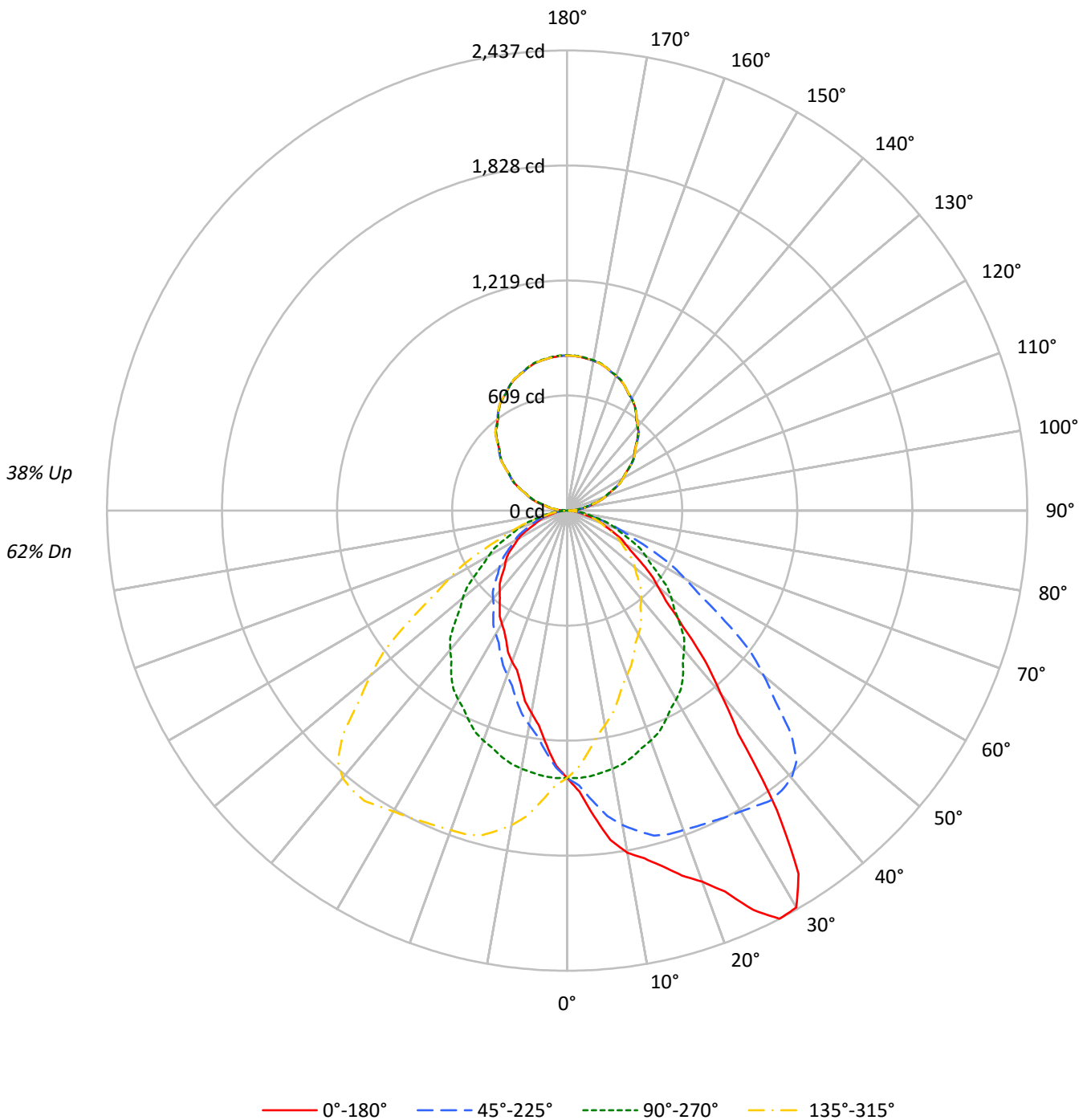
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67
1	101	97	93	90	94	91	88	85	80	77	75	69	68	66	60	59	57
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49
3	84	75	68	62	79	71	64	59	62	57	53	55	51	48	48	45	42
4	78	67	59	53	72	63	56	51	56	50	46	49	45	41	43	39	37
5	71	60	52	46	67	56	49	44	50	44	40	44	40	36	39	35	32
6	66	54	46	40	62	51	44	38	45	39	35	40	35	32	35	31	29
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	32	28	25
8	57	44	37	31	53	42	35	30	38	32	28	33	29	25	30	26	23
9	53	41	33	28	50	38	32	27	35	29	25	31	26	23	27	24	21
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9143	9143	9143	9143
5°	10519	9155	8085	9155
10°	12066	9108	7134	9108
15°	13032	9014	6341	9014
20°	14370	8906	5856	8906
25°	16631	8763	5433	8763
30°	18098	8611	5158	8611
35°	15266	8435	4902	8435
40°	10662	8118	4683	8118
45°	7909	7691	4469	7691
50°	6306	7246	4285	7246
55°	5353	6694	4122	6694
60°	4624	6200	3858	6200
65°	4121	5665	3321	5665
70°	3620	5189	3029	5189
75°	3132	4494	2842	4494
80°	2377	3782	2377	3782
85°	1979	2971	2238	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.3
10°-20°	397.8	6.7
20°-30°	630.8	10.6
30°-40°	760.7	12.8
40°-50°	679.3	11.4
50°-60°	520.9	8.7
60°-70°	338.5	5.7
70°-80°	164.6	2.8
80°-90°	41.1	0.7
90°-100°	55.0	0.9
100°-110°	162.4	2.7
110°-120°	275.1	4.6
120°-130°	362.1	6.1
130°-140°	405.7	6.8
140°-150°	397.7	6.7
150°-160°	334.0	5.6
160°-170°	222.0	3.7
170°-180°	77.7	1.3
0°-30°	1164.4	19.5
0°-40°	1925.0	32.3
0°-60°	3125.2	52.4
0°-90°	3669.4	61.6
90°-120°	492.6	8.3
90°-150°	1658.1	27.8
90°-180°	2292.0	38.4
0°-180°	5961.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1416	1416	1416	1416	1416	
5°	1622	1412	1247	1412	1622	162
15°	1949	1348	948	1348	1949	559
25°	2334	1230	762	1230	2334	1072
35°	1936	1070	622	1070	1936	1170
45°	866	842	489	842	866	691
55°	475	594	366	594	475	431
65°	270	371	217	371	270	268
75°	126	180	114	180	126	134
85°	27	40	30	40	27	31
90°	15	1	15	1	15	10
95°	55	42	55	42	55	56
105°	158	146	158	146	158	168
115°	278	276	278	276	278	275
125°	405	402	405	402	405	361
135°	525	523	525	523	525	405
145°	636	633	636	633	636	397
155°	725	725	725	725	725	334
165°	786	788	786	788	786	222
175°	816	819	816	819	816	78
180°	821	821	821	821	821	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1489.1	1488.2	1490.0	1484.9	1485.4	1477.5	1477.5	1471.4	1463.5	1457.5	1454.7
5°	1622.5	1623.7	1621.3	1612.7	1606.8	1598.1	1588.2	1570.8	1556.3	1542.3	1531.3
7.5°	1759.9	1760.7	1753.0	1750.3	1735.7	1725.0	1703.1	1679.3	1658.3	1631.6	1611.1
10°	1839.9	1839.3	1831.1	1824.7	1812.0	1795.7	1774.2	1746.3	1720.1	1691.1	1663.2
12.5°	1886.4	1884.8	1882.2	1874.5	1862.6	1848.2	1830.0	1802.5	1770.3	1738.5	1706.0
15°	1949.1	1945.0	1937.5	1927.6	1910.7	1893.9	1873.5	1849.2	1818.3	1782.3	1752.1
17.5°	2026.7	2026.9	2015.3	2001.5	1978.6	1948.9	1917.4	1878.1	1836.3	1796.6	1764.4
20°	2090.9	2089.1	2077.5	2050.8	2024.6	1987.4	1951.5	1903.2	1852.0	1800.4	1760.2
22.5°	2183.0	2178.4	2166.3	2131.2	2090.7	2042.8	1987.7	1928.7	1866.9	1808.2	1755.6
25°	2333.8	2330.3	2306.4	2265.8	2208.9	2135.0	2063.0	1982.2	1893.3	1816.0	1752.1
27.5°	2437.0	2433.2	2415.5	2381.7	2329.2	2251.5	2154.0	2046.0	1935.0	1828.7	1736.6
30°	2426.8	2435.5	2433.2	2417.5	2378.0	2308.3	2218.2	2096.7	1964.8	1839.9	1730.0
32.5°	2280.8	2288.6	2309.0	2339.9	2342.2	2314.3	2247.0	2134.8	1998.3	1856.1	1724.9
35°	1936.3	1946.8	1986.3	2048.5	2129.9	2197.8	2211.7	2151.3	2028.7	1875.9	1717.3
37.5°	1488.6	1545.8	1579.1	1644.5	1767.5	1892.5	2012.8	2057.1	2004.8	1867.8	1704.8
40°	1264.6	1278.5	1337.7	1411.5	1515.0	1645.2	1816.6	1940.3	1944.5	1849.2	1685.2
42.5°	1082.3	1099.9	1140.7	1199.5	1288.1	1418.3	1595.3	1758.6	1834.3	1798.0	1659.7
45°	865.9	879.3	908.9	954.2	1022.2	1129.7	1281.9	1470.8	1620.7	1679.5	1591.1
47.5°	711.3	718.5	744.3	778.9	829.1	907.5	1025.4	1189.3	1369.2	1495.2	1482.8
50°	627.6	635.8	655.5	681.7	724.1	790.3	884.5	1021.1	1206.4	1360.4	1391.2
52.5°	562.5	569.3	581.6	606.3	641.4	692.2	768.3	891.8	1058.6	1222.4	1293.6
55°	475.4	480.0	489.9	503.9	531.8	568.3	634.0	719.5	854.3	1019.3	1123.9
57.5°	403.6	405.9	412.2	425.1	444.4	471.1	518.5	590.9	687.6	836.2	951.7
60°	358.0	360.3	368.4	377.1	392.3	416.6	453.8	504.4	597.4	720.1	836.8
62.5°	321.7	323.1	326.6	335.3	348.5	367.4	396.7	437.9	511.9	619.6	729.9
65°	269.7	270.2	271.4	278.4	286.5	300.4	319.6	348.7	404.5	485.9	583.4
67.5°	219.6	220.5	224.5	227.0	235.5	242.8	254.1	276.3	315.6	370.4	446.3
70°	191.7	191.2	195.3	198.2	201.0	209.8	217.3	235.4	259.8	301.6	365.0
72.5°	165.7	164.2	166.0	167.0	170.8	176.8	184.3	195.4	214.2	243.1	291.5
75°	125.5	126.1	126.1	127.3	130.2	132.5	134.8	140.6	151.1	170.3	196.4
77.5°	88.1	87.1	89.6	90.0	91.7	94.3	96.3	98.6	102.9	110.7	124.2
80°	63.9	63.9	64.5	66.2	65.7	66.8	69.7	72.1	77.3	82.0	86.6
82.5°	49.1	48.6	49.2	49.5	49.4	50.5	51.6	52.1	54.1	56.4	59.6
85°	26.7	26.7	27.3	27.3	27.9	27.9	28.5	28.5	28.5	29.0	29.6
87.5°	13.3	12.7	12.2	12.1	12.5	13.3	12.7	12.1	12.0	11.8	12.1
90°	15.3	14.9	14.5	14.0	13.6	13.1	12.4	11.6	10.9	10.2	9.2
92.5°	30.1	29.9	29.5	29.3	28.9	28.3	27.4	26.4	25.5	24.5	23.3
95°	54.9	54.7	54.4	54.2	53.8	53.2	52.2	51.2	50.2	49.2	47.8
97.5°	83.3	83.2	83.0	82.8	82.7	82.1	81.2	80.2	79.3	78.4	76.4
100°	104.8	104.5	104.3	104.0	103.7	102.9	101.6	100.3	99.1	97.8	95.9
102.5°	126.3	125.9	125.5	125.1	124.7	123.8	122.4	121.1	119.7	118.2	117.3
105°	158.5	158.1	157.6	157.2	156.8	156.2	155.3	154.5	153.6	152.7	151.9
107.5°	191.5	191.5	191.6	191.6	191.6	191.4	191.0	190.5	190.1	189.7	189.1
110°	216.0	216.2	216.3	216.5	216.6	216.5	216.0	215.6	215.2	214.7	214.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	240.0	240.3	240.6	240.8	241.1	241.1	240.9	240.7	240.6	240.3	239.8
115°	278.0	278.2	278.4	278.4	278.6	278.7	278.9	279.1	279.1	279.3	279.1
117.5°	315.1	315.6	316.2	316.8	317.4	317.6	317.5	317.4	317.3	317.2	316.9
120°	340.7	341.2	341.8	342.4	342.9	343.2	343.2	343.2	343.2	343.2	343.1
122.5°	366.3	366.7	367.1	367.6	368.1	368.3	368.4	368.6	368.7	368.8	368.4
125°	404.6	404.8	404.8	405.0	405.2	405.4	405.6	406.0	406.2	406.5	406.4
127.5°	441.4	441.7	442.0	442.3	442.6	442.7	442.9	443.1	443.2	443.3	443.2
130°	466.0	466.2	466.5	466.8	467.1	467.3	467.4	467.6	467.7	467.9	467.6
132.5°	489.0	489.4	489.7	490.2	490.5	490.9	490.9	491.1	491.3	491.4	491.5
135°	524.8	525.3	525.9	526.4	527.0	527.3	527.3	527.3	527.3	527.3	527.2
137.5°	559.7	560.5	561.2	561.9	562.6	562.9	562.7	562.6	562.4	562.2	561.9
140°	582.3	583.0	583.7	584.4	585.1	585.3	585.0	584.8	584.4	584.2	583.8
142.5°	603.7	604.4	605.2	605.9	606.6	606.8	606.7	606.5	606.3	606.1	605.6
145°	635.9	636.4	636.8	637.2	637.7	637.9	637.9	637.9	637.9	637.9	637.5
147.5°	663.5	664.4	665.4	666.3	667.3	667.6	667.3	666.9	666.6	666.2	665.9
150°	683.9	684.2	684.5	684.8	685.0	685.2	685.2	685.2	685.2	685.2	684.6
152.5°	700.8	701.3	701.8	702.3	702.8	702.9	702.6	702.2	701.9	701.5	701.3
155°	724.8	725.5	726.3	726.9	727.6	727.7	727.1	726.6	726.0	725.5	725.3
157.5°	744.9	745.8	746.7	747.7	748.6	748.8	748.2	747.7	747.1	746.6	746.4
160°	758.7	759.4	760.1	760.8	761.6	761.6	761.0	760.4	759.9	759.3	759.1
162.5°	770.4	771.3	772.1	772.9	773.8	773.8	773.1	772.5	771.8	771.1	771.0
165°	786.2	787.0	787.9	788.8	789.5	789.7	789.2	788.6	788.0	787.5	787.3
167.5°	798.7	799.6	800.5	801.3	802.2	802.2	801.4	800.6	799.7	798.8	798.8
170°	805.4	806.3	807.4	808.3	809.3	809.4	808.6	807.7	806.8	806.0	806.0
172.5°	811.0	811.8	812.7	813.6	814.5	814.5	813.6	812.8	811.9	811.1	811.1
175°	816.2	817.2	818.2	819.2	820.2	820.3	819.4	818.6	817.7	816.8	816.8
177.5°	819.2	820.1	820.9	821.7	822.4	822.5	821.8	821.1	820.4	819.8	819.9
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1454.7	1451.4	1445.4	1439.8	1432.8	1426.8	1422.6	1417.5	1411.0	1403.1	1396.5
5°	1519.1	1506.2	1489.4	1474.9	1456.3	1441.7	1426.7	1412.1	1397.6	1379.0	1362.7
7.5°	1590.4	1564.0	1538.3	1506.1	1476.8	1450.6	1425.5	1400.1	1375.2	1348.8	1323.4
10°	1634.1	1602.1	1566.7	1526.0	1488.8	1453.4	1420.8	1388.9	1355.2	1325.5	1293.6
12.5°	1675.1	1633.7	1593.2	1541.9	1497.2	1453.9	1412.5	1372.6	1336.6	1298.1	1263.9
15°	1712.0	1671.3	1626.0	1563.2	1501.1	1448.7	1399.9	1348.2	1303.5	1260.4	1222.1
17.5°	1726.3	1683.6	1631.0	1570.6	1502.7	1436.9	1374.0	1317.3	1264.6	1214.5	1171.4
20°	1720.7	1679.5	1625.4	1567.9	1495.2	1426.7	1358.7	1295.9	1237.3	1184.3	1138.4
22.5°	1707.2	1664.6	1612.4	1551.6	1482.6	1409.9	1337.3	1270.3	1208.8	1154.1	1104.1
25°	1687.0	1628.9	1575.5	1516.1	1450.5	1378.5	1303.5	1229.7	1164.0	1108.2	1053.6
27.5°	1665.9	1593.5	1525.4	1466.5	1397.1	1332.8	1260.6	1184.9	1115.9	1059.0	1003.0
30°	1646.9	1565.6	1490.6	1423.7	1358.1	1297.1	1228.5	1154.7	1083.8	1025.1	968.2
32.5°	1623.2	1536.7	1454.3	1377.3	1313.9	1253.4	1191.3	1120.8	1051.7	991.2	933.3
35°	1593.5	1483.1	1393.5	1311.6	1241.3	1182.6	1126.8	1069.9	1000.7	938.0	881.6
37.5°	1554.4	1429.1	1325.5	1236.3	1162.1	1103.2	1059.1	1007.1	944.0	883.9	831.6
40°	1530.7	1390.1	1276.7	1188.4	1110.5	1048.4	1007.1	962.9	905.4	849.0	796.7
42.5°	1499.1	1354.3	1227.4	1135.4	1057.0	997.2	955.5	916.9	868.7	815.5	759.5
45°	1437.1	1284.9	1151.8	1053.0	974.0	915.2	876.3	842.1	805.5	756.6	707.8
47.5°	1356.4	1212.5	1073.2	965.4	887.9	833.4	795.7	768.6	742.4	700.9	653.5
50°	1291.8	1153.0	1016.9	912.4	829.8	778.1	742.7	721.2	697.3	659.6	620.1
52.5°	1215.6	1091.6	958.4	851.4	773.6	725.1	691.0	669.6	650.0	619.1	581.4
55°	1095.5	986.8	864.7	767.7	696.2	647.4	614.8	594.5	582.9	556.7	527.1
57.5°	956.7	878.9	771.3	677.7	614.5	566.3	542.4	525.1	512.0	493.5	472.6
60°	860.1	805.5	708.9	620.1	562.0	516.0	494.6	480.0	467.8	452.1	435.8
62.5°	762.0	722.2	638.3	562.0	508.5	470.0	449.9	436.8	422.8	412.2	396.3
65°	630.5	595.0	536.9	477.1	427.7	396.9	382.4	370.7	362.1	350.4	339.4
67.5°	490.5	476.0	435.9	394.7	359.2	331.8	319.3	311.2	300.7	293.7	286.1
70°	404.5	397.5	369.0	341.7	308.6	290.0	278.4	274.8	262.1	255.1	249.9
72.5°	328.2	324.9	308.6	289.6	266.3	250.0	239.3	235.4	227.2	221.6	218.3
75°	224.9	226.1	223.2	210.9	202.2	191.7	182.4	180.1	174.4	169.7	166.8
77.5°	142.2	148.2	148.4	147.8	144.4	137.9	134.1	132.4	126.7	124.9	124.2
80°	97.6	104.0	109.9	109.3	108.1	106.3	103.4	101.7	98.8	97.0	95.9
82.5°	65.1	71.0	75.9	79.0	78.8	77.1	75.1	74.3	73.7	72.4	72.2
85°	30.8	31.9	33.7	37.8	40.6	41.2	40.6	40.1	38.3	38.9	39.5
87.5°	12.3	12.1	12.4	12.2	11.5	13.6	14.8	15.0	14.3	13.6	12.9
90°	8.3	7.2	6.3	5.2	4.0	2.9	1.8	0.6	1.8	2.9	4.0
92.5°	22.1	20.9	19.6	18.7	17.8	17.0	16.3	15.5	16.3	17.0	17.8
95°	46.4	44.9	43.6	42.7	42.4	42.1	41.8	41.6	41.8	42.1	42.4
97.5°	74.5	72.5	70.5	69.5	69.4	69.2	69.1	69.1	69.1	69.2	69.4
100°	94.1	92.2	90.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
102.5°	116.4	115.5	114.5	113.7	113.1	112.6	112.0	111.5	112.0	112.6	113.1
105°	151.0	150.2	149.4	148.6	147.8	147.1	146.5	145.8	146.5	147.1	147.8
107.5°	188.4	187.8	187.1	186.4	185.7	185.0	184.3	183.6	184.3	185.0	185.7
110°	213.9	213.4	213.0	212.5	211.8	211.0	210.3	209.7	210.3	211.0	211.8



TEST NUMBER: P333705-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	239.3	238.7	238.2	237.7	237.4	236.9	236.6	236.3	236.6	236.9	237.4
115°	278.7	278.4	278.2	277.8	277.2	276.6	276.0	275.5	276.0	276.6	277.2
117.5°	316.7	316.4	316.2	315.9	315.6	315.4	315.1	314.9	315.1	315.4	315.6
120°	342.9	342.8	342.7	342.2	341.6	340.8	340.1	339.4	340.1	340.8	341.6
122.5°	368.1	367.6	367.3	367.0	366.8	366.5	366.3	366.0	366.3	366.5	366.8
125°	406.2	406.0	406.0	405.4	404.6	403.7	402.9	402.0	402.9	403.7	404.6
127.5°	443.0	442.8	442.6	442.3	441.9	441.3	440.8	440.4	440.8	441.3	441.9
130°	467.3	467.0	466.7	466.2	465.5	464.9	464.1	463.4	464.1	464.9	465.5
132.5°	491.5	491.5	491.6	491.0	489.9	488.7	487.6	486.4	487.6	488.7	489.9
135°	527.0	526.8	526.8	526.2	525.4	524.5	523.7	522.8	523.7	524.5	525.4
137.5°	561.5	561.3	560.9	560.4	559.6	558.7	557.9	557.1	557.9	558.7	559.6
140°	583.3	582.9	582.5	581.9	581.2	580.5	579.8	579.1	579.8	580.5	581.2
142.5°	605.1	604.6	604.0	603.5	602.9	602.3	601.7	601.1	601.7	602.3	602.9
145°	637.1	636.6	636.2	635.7	635.1	634.6	634.0	633.4	634.0	634.6	635.1
147.5°	665.6	665.2	664.9	664.6	664.3	663.9	663.7	663.3	663.7	663.9	664.3
150°	684.1	683.5	682.9	682.7	682.9	682.9	683.1	683.3	683.1	682.9	682.9
152.5°	701.1	700.9	700.6	700.4	700.3	700.0	699.8	699.6	699.8	700.0	700.3
155°	725.1	725.0	724.9	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
157.5°	746.2	746.1	746.0	746.1	746.4	746.7	747.0	747.3	747.0	746.7	746.4
160°	759.1	758.9	758.7	758.9	759.3	759.7	760.2	760.6	760.2	759.7	759.3
162.5°	771.0	771.0	770.9	771.1	771.5	771.7	772.1	772.4	772.1	771.7	771.5
165°	787.1	787.0	786.9	787.0	787.2	787.6	787.8	788.1	787.8	787.6	787.2
167.5°	798.8	798.8	798.8	799.1	799.7	800.2	800.8	801.4	800.8	800.2	799.7
170°	806.0	806.0	806.0	806.2	806.8	807.4	808.0	808.6	808.0	807.4	806.8
172.5°	811.1	811.1	811.1	811.4	811.9	812.5	813.0	813.6	813.0	812.5	811.9
175°	816.8	816.8	816.8	817.1	817.7	818.3	818.8	819.4	818.8	818.3	817.7
177.5°	820.0	820.1	820.3	820.5	821.0	821.4	821.9	822.3	821.9	821.4	821.0
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333705-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1391.9	1385.4	1380.8	1371.5	1364.9	1362.2	1357.0	1355.6	1360.7	1357.0	1356.6
5°	1350.6	1333.7	1320.3	1306.9	1292.4	1283.1	1269.2	1266.9	1263.3	1258.1	1257.0
7.5°	1300.9	1278.9	1261.7	1239.7	1220.5	1205.1	1187.6	1179.3	1174.8	1168.0	1159.0
10°	1267.4	1241.3	1218.1	1195.9	1172.2	1153.0	1135.5	1122.1	1113.4	1105.3	1101.8
12.5°	1234.4	1207.8	1178.0	1151.3	1124.7	1103.2	1083.9	1075.2	1065.6	1056.0	1047.9
15°	1183.2	1147.7	1115.2	1084.3	1061.7	1038.5	1019.9	1007.1	992.6	988.5	972.8
17.5°	1128.8	1094.0	1055.9	1023.5	997.2	971.6	951.1	936.7	925.7	910.8	903.5
20°	1094.8	1053.6	1016.4	986.8	957.7	927.5	906.5	894.3	883.9	871.7	865.9
22.5°	1058.6	1018.2	980.2	945.4	915.8	886.1	871.2	858.6	846.7	835.4	827.8
25°	1005.3	964.7	924.5	888.6	857.7	836.2	818.8	804.3	797.9	786.9	778.7
27.5°	952.7	909.5	867.9	831.9	807.8	786.5	772.2	760.7	749.2	739.5	732.5
30°	918.8	874.6	829.2	800.8	775.2	754.8	739.2	728.1	719.5	710.8	705.5
32.5°	884.8	839.3	799.0	768.3	744.1	726.5	710.3	699.8	690.6	681.0	674.8
35°	830.4	783.9	751.4	721.2	697.3	681.1	670.0	655.0	647.4	640.4	634.0
37.5°	779.9	736.7	701.5	674.9	654.2	638.1	623.8	615.6	606.3	600.0	594.7
40°	742.7	703.2	671.2	643.3	628.2	610.2	596.8	586.3	579.4	571.3	565.4
42.5°	709.2	672.4	641.4	616.3	597.5	582.3	569.4	559.0	550.1	544.3	539.4
45°	661.9	625.3	595.0	571.8	554.4	539.8	526.5	521.2	509.6	502.7	500.3
47.5°	612.9	580.2	551.0	529.6	511.8	498.0	485.4	474.8	468.4	461.5	457.8
50°	580.0	548.5	521.2	500.3	482.9	467.8	456.2	449.2	440.5	434.1	429.5
52.5°	547.0	517.9	490.6	470.6	455.5	440.4	427.4	420.4	412.2	408.0	404.8
55°	499.8	469.0	445.7	425.9	410.3	396.3	384.1	377.1	372.0	367.8	366.7
57.5°	446.3	421.9	400.3	382.5	366.2	353.1	342.4	335.8	331.1	330.5	327.1
60°	411.5	389.3	369.6	350.4	336.5	324.3	315.0	307.4	302.7	302.2	301.0
62.5°	376.6	355.4	337.1	320.2	307.6	295.9	287.1	278.6	275.8	272.9	270.4
65°	324.9	305.7	290.6	277.2	263.8	253.9	245.2	240.0	233.6	230.1	223.8
67.5°	274.1	259.2	244.7	233.4	222.9	213.5	206.3	198.5	194.2	191.4	186.8
70°	240.6	228.9	214.5	202.2	194.1	186.6	180.7	172.0	169.1	166.8	164.5
72.5°	209.0	198.7	186.6	176.7	168.5	161.4	154.7	150.6	147.7	145.4	144.0
75°	164.5	154.5	144.1	137.2	131.3	125.5	122.0	119.2	118.0	117.4	115.0
77.5°	120.8	115.5	107.2	101.6	97.7	95.4	92.3	90.7	90.7	88.1	87.3
80°	92.4	89.5	82.5	80.2	77.3	75.0	73.2	70.3	67.4	66.2	64.5
82.5°	68.7	65.8	63.0	59.2	56.8	55.4	53.7	52.6	53.0	51.4	50.5
85°	36.6	33.7	32.5	31.9	30.8	31.9	31.3	30.8	30.2	29.6	30.2
87.5°	12.7	12.9	12.6	13.8	12.6	13.2	13.3	13.0	13.2	13.3	12.9
90°	5.2	6.3	7.2	8.3	9.2	10.2	10.9	11.6	12.4	13.1	13.6
92.5°	18.7	19.6	20.9	22.1	23.3	24.5	25.5	26.4	27.4	28.3	28.9
95°	42.7	43.6	44.9	46.4	47.8	49.2	50.2	51.2	52.2	53.2	53.8
97.5°	69.5	70.5	72.5	74.5	76.4	78.4	79.3	80.2	81.2	82.1	82.7
100°	89.5	90.4	92.2	94.1	95.9	97.8	99.1	100.3	101.6	102.9	103.7
102.5°	113.7	114.5	115.5	116.4	117.3	118.2	119.7	121.1	122.4	123.8	124.7
105°	148.6	149.4	150.2	151.0	151.9	152.7	153.6	154.5	155.3	156.2	156.8
107.5°	186.4	187.1	187.8	188.4	189.1	189.7	190.1	190.5	191.0	191.4	191.6
110°	212.5	213.0	213.4	213.9	214.3	214.7	215.2	215.6	216.0	216.5	216.6



TEST NUMBER: P333705-935

CATALOG NUMBER: S125RDIW-S1090D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	237.7	238.2	238.7	239.3	239.8	240.3	240.6	240.7	240.9	241.1	241.1
115°	277.8	278.2	278.4	278.7	279.1	279.3	279.1	279.1	278.9	278.7	278.6
117.5°	315.9	316.2	316.4	316.7	316.9	317.2	317.3	317.4	317.5	317.6	317.4
120°	342.2	342.7	342.8	342.9	343.1	343.2	343.2	343.2	343.2	343.2	342.9
122.5°	367.0	367.3	367.6	368.1	368.4	368.8	368.7	368.6	368.4	368.3	368.1
125°	405.4	406.0	406.0	406.2	406.4	406.5	406.2	406.0	405.6	405.4	405.2
127.5°	442.3	442.6	442.8	443.0	443.2	443.3	443.2	443.1	442.9	442.7	442.6
130°	466.2	466.7	467.0	467.3	467.6	467.9	467.7	467.6	467.4	467.3	467.1
132.5°	491.0	491.6	491.5	491.5	491.5	491.4	491.3	491.1	490.9	490.9	490.5
135°	526.2	526.8	526.8	527.0	527.2	527.3	527.3	527.3	527.3	527.3	527.0
137.5°	560.4	560.9	561.3	561.5	561.9	562.2	562.4	562.6	562.7	562.9	562.6
140°	581.9	582.5	582.9	583.3	583.8	584.2	584.4	584.8	585.0	585.3	585.1
142.5°	603.5	604.0	604.6	605.1	605.6	606.1	606.3	606.5	606.7	606.8	606.6
145°	635.7	636.2	636.6	637.1	637.5	637.9	637.9	637.9	637.9	637.9	637.7
147.5°	664.6	664.9	665.2	665.6	665.9	666.2	666.6	666.9	667.3	667.6	667.3
150°	682.7	682.9	683.5	684.1	684.6	685.2	685.2	685.2	685.2	685.2	685.0
152.5°	700.4	700.6	700.9	701.1	701.3	701.5	701.9	702.2	702.6	702.9	702.8
155°	724.8	724.9	725.0	725.1	725.3	725.5	726.0	726.6	727.1	727.7	727.6
157.5°	746.1	746.0	746.1	746.2	746.4	746.6	747.1	747.7	748.2	748.8	748.6
160°	758.9	758.7	758.9	759.1	759.1	759.3	759.9	760.4	761.0	761.6	761.6
162.5°	771.1	770.9	771.0	771.0	771.0	771.1	771.8	772.5	773.1	773.8	773.8
165°	787.0	786.9	787.0	787.1	787.3	787.5	788.0	788.6	789.2	789.7	789.5
167.5°	799.1	798.8	798.8	798.8	798.8	798.8	799.7	800.6	801.4	802.2	802.2
170°	806.2	806.0	806.0	806.0	806.0	806.0	806.8	807.7	808.6	809.4	809.3
172.5°	811.4	811.1	811.1	811.1	811.1	811.1	811.9	812.8	813.6	814.5	814.5
175°	817.1	816.8	816.8	816.8	816.8	816.8	817.7	818.6	819.4	820.3	820.2
177.5°	820.5	820.3	820.1	820.0	819.9	819.8	820.4	821.1	821.8	822.5	822.4
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333705-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1356.1	1351.0	1349.6	1351.4	1349.6	1351.0	1356.1	1356.6	1357.0	1360.7	1355.6
5°	1251.2	1245.4	1248.3	1247.1	1248.3	1245.4	1251.2	1257.0	1258.1	1263.3	1266.9
7.5°	1158.9	1151.7	1144.0	1146.4	1144.0	1151.7	1158.9	1159.0	1168.0	1174.8	1179.3
10°	1094.2	1088.5	1084.9	1087.9	1084.9	1088.5	1094.2	1101.8	1105.3	1113.4	1122.1
12.5°	1039.8	1036.4	1033.4	1032.1	1033.4	1036.4	1039.8	1047.9	1056.0	1065.6	1075.2
15°	965.9	958.9	956.0	948.4	956.0	958.9	965.9	972.8	988.5	992.6	1007.1
17.5°	897.6	895.3	887.7	884.5	887.7	895.3	897.6	903.5	910.8	925.7	936.7
20°	857.1	854.8	847.3	852.0	847.3	854.8	857.1	865.9	871.7	883.9	894.3
22.5°	823.7	818.6	816.1	814.8	816.1	818.6	823.7	827.8	835.4	846.7	858.6
25°	776.4	768.8	765.9	762.4	765.9	768.8	776.4	778.7	786.9	797.9	804.3
27.5°	729.2	725.1	721.3	720.4	721.3	725.1	729.2	732.5	739.5	749.2	760.7
30°	698.5	694.5	691.6	691.6	691.6	694.5	698.5	705.5	710.8	719.5	728.1
32.5°	671.1	668.0	665.0	664.6	665.0	668.0	671.1	674.8	681.0	690.6	699.8
35°	631.1	626.5	625.3	621.8	625.3	626.5	631.1	634.0	640.4	647.4	655.0
37.5°	589.6	585.7	585.7	585.3	585.7	585.7	589.6	594.7	600.0	606.3	615.6
40°	563.1	560.2	559.6	555.5	559.6	560.2	563.1	565.4	571.3	579.4	586.3
42.5°	534.8	533.2	531.2	529.5	531.2	533.2	534.8	539.4	544.3	550.1	559.0
45°	496.3	492.2	492.2	489.3	492.2	492.2	496.3	500.3	502.7	509.6	521.2
47.5°	456.5	453.4	453.7	450.7	453.7	453.4	456.5	457.8	461.5	468.4	474.8
50°	430.1	428.3	427.7	426.5	427.7	428.3	430.1	429.5	434.1	440.5	449.2
52.5°	403.6	402.7	404.9	402.3	404.9	402.7	403.6	404.8	408.0	412.2	420.4
55°	367.8	366.1	369.6	366.1	369.6	366.1	367.8	366.7	367.8	372.0	377.1
57.5°	326.8	325.2	328.3	326.6	328.3	325.2	326.8	327.1	330.5	331.1	335.8
60°	299.9	296.4	298.1	298.7	298.1	296.4	299.9	301.0	302.2	302.7	307.4
62.5°	267.8	265.7	267.0	264.3	267.0	265.7	267.8	270.4	272.9	275.8	278.6
65°	222.6	220.8	218.5	217.3	218.5	220.8	222.6	223.8	230.1	233.6	240.0
67.5°	187.0	182.8	182.7	183.7	182.7	182.8	187.0	186.8	191.4	194.2	198.5
70°	161.0	161.0	160.4	160.4	160.4	161.0	161.0	164.5	166.8	169.1	172.0
72.5°	142.8	142.4	141.3	140.9	141.3	142.4	142.8	144.0	145.4	147.7	150.6
75°	115.0	115.6	114.5	113.9	114.5	115.6	115.0	115.0	117.4	118.0	119.2
77.5°	85.0	82.5	83.8	82.5	83.8	82.5	85.0	87.3	88.1	90.7	90.7
80°	64.5	63.9	65.7	63.9	65.7	63.9	64.5	64.5	66.2	67.4	70.3
82.5°	51.1	50.5	51.2	49.9	51.2	50.5	51.1	50.5	51.4	53.0	52.6
85°	30.8	30.2	29.6	30.2	29.6	30.2	30.8	30.2	29.6	30.2	30.8
87.5°	13.5	13.1	13.2	13.3	13.2	13.1	13.5	12.9	13.3	13.2	13.0
90°	14.0	14.5	14.9	15.3	14.9	14.5	14.0	13.6	13.1	12.4	11.6
92.5°	29.3	29.5	29.9	30.1	29.9	29.5	29.3	28.9	28.3	27.4	26.4
95°	54.2	54.4	54.7	54.9	54.7	54.4	54.2	53.8	53.2	52.2	51.2
97.5°	82.8	83.0	83.2	83.3	83.2	83.0	82.8	82.7	82.1	81.2	80.2
100°	104.0	104.3	104.5	104.8	104.5	104.3	104.0	103.7	102.9	101.6	100.3
102.5°	125.1	125.5	125.9	126.3	125.9	125.5	125.1	124.7	123.8	122.4	121.1
105°	157.2	157.6	158.1	158.5	158.1	157.6	157.2	156.8	156.2	155.3	154.5
107.5°	191.6	191.6	191.5	191.5	191.5	191.6	191.6	191.6	191.4	191.0	190.5
110°	216.5	216.3	216.2	216.0	216.2	216.3	216.5	216.6	216.5	216.0	215.6



TEST NUMBER: P333705-935

CATALOG NUMBER: S125RDIW-S1090D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.6	240.3	240.0	240.3	240.6	240.8	241.1	241.1	240.9	240.7
115°	278.4	278.4	278.2	278.0	278.2	278.4	278.4	278.6	278.7	278.9	279.1
117.5°	316.8	316.2	315.6	315.1	315.6	316.2	316.8	317.4	317.6	317.5	317.4
120°	342.4	341.8	341.2	340.7	341.2	341.8	342.4	342.9	343.2	343.2	343.2
122.5°	367.6	367.1	366.7	366.3	366.7	367.1	367.6	368.1	368.3	368.4	368.6
125°	405.0	404.8	404.8	404.6	404.8	404.8	405.0	405.2	405.4	405.6	406.0
127.5°	442.3	442.0	441.7	441.4	441.7	442.0	442.3	442.6	442.7	442.9	443.1
130°	466.8	466.5	466.2	466.0	466.2	466.5	466.8	467.1	467.3	467.4	467.6
132.5°	490.2	489.7	489.4	489.0	489.4	489.7	490.2	490.5	490.9	490.9	491.1
135°	526.4	525.9	525.3	524.8	525.3	525.9	526.4	527.0	527.3	527.3	527.3
137.5°	561.9	561.2	560.5	559.7	560.5	561.2	561.9	562.6	562.9	562.7	562.6
140°	584.4	583.7	583.0	582.3	583.0	583.7	584.4	585.1	585.3	585.0	584.8
142.5°	605.9	605.2	604.4	603.7	604.4	605.2	605.9	606.6	606.8	606.7	606.5
145°	637.2	636.8	636.4	635.9	636.4	636.8	637.2	637.7	637.9	637.9	637.9
147.5°	666.3	665.4	664.4	663.5	664.4	665.4	666.3	667.3	667.6	667.3	666.9
150°	684.8	684.5	684.2	683.9	684.2	684.5	684.8	685.0	685.2	685.2	685.2
152.5°	702.3	701.8	701.3	700.8	701.3	701.8	702.3	702.8	702.9	702.6	702.2
155°	726.9	726.3	725.5	724.8	725.5	726.3	726.9	727.6	727.7	727.1	726.6
157.5°	747.7	746.7	745.8	744.9	745.8	746.7	747.7	748.6	748.8	748.2	747.7
160°	760.8	760.1	759.4	758.7	759.4	760.1	760.8	761.6	761.6	761.0	760.4
162.5°	772.9	772.1	771.3	770.4	771.3	772.1	772.9	773.8	773.8	773.1	772.5
165°	788.8	787.9	787.0	786.2	787.0	787.9	788.8	789.5	789.7	789.2	788.6
167.5°	801.3	800.5	799.6	798.7	799.6	800.5	801.3	802.2	802.2	801.4	800.6
170°	808.3	807.4	806.3	805.4	806.3	807.4	808.3	809.3	809.4	808.6	807.7
172.5°	813.6	812.7	811.8	811.0	811.8	812.7	813.6	814.5	814.5	813.6	812.8
175°	819.2	818.2	817.2	816.2	817.2	818.2	819.2	820.2	820.3	819.4	818.6
177.5°	821.7	820.9	820.1	819.2	820.1	820.9	821.7	822.4	822.5	821.8	821.1
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333705-935

CATALOG NUMBER: S125RDIW-S1090D770U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1357.0	1362.2	1364.9	1371.5	1380.8	1385.4	1391.9	1396.5	1403.1	1411.0	1417.5
5°	1269.2	1283.1	1292.4	1306.9	1320.3	1333.7	1350.6	1362.7	1379.0	1397.6	1412.1
7.5°	1187.6	1205.1	1220.5	1239.7	1261.7	1278.9	1300.9	1323.4	1348.8	1375.2	1400.1
10°	1135.5	1153.0	1172.2	1195.9	1218.1	1241.3	1267.4	1293.6	1325.5	1355.2	1388.9
12.5°	1083.9	1103.2	1124.7	1151.3	1178.0	1207.8	1234.4	1263.9	1298.1	1336.6	1372.6
15°	1019.9	1038.5	1061.7	1084.3	1115.2	1147.7	1183.2	1222.1	1260.4	1303.5	1348.2
17.5°	951.1	971.6	997.2	1023.5	1055.9	1094.0	1128.8	1171.4	1214.5	1264.6	1317.3
20°	906.5	927.5	957.7	986.8	1016.4	1053.6	1094.8	1138.4	1184.3	1237.3	1295.9
22.5°	871.2	886.1	915.8	945.4	980.2	1018.2	1058.6	1104.1	1154.1	1208.8	1270.3
25°	818.8	836.2	857.7	888.6	924.5	964.7	1005.3	1053.6	1108.2	1164.0	1229.7
27.5°	772.2	786.5	807.8	831.9	867.9	909.5	952.7	1003.0	1059.0	1115.9	1184.9
30°	739.2	754.8	775.2	800.8	829.2	874.6	918.8	968.2	1025.1	1083.8	1154.7
32.5°	710.3	726.5	744.1	768.3	799.0	839.3	884.8	933.3	991.2	1051.7	1120.8
35°	670.0	681.1	697.3	721.2	751.4	783.9	830.4	881.6	938.0	1000.7	1069.9
37.5°	623.8	638.1	654.2	674.9	701.5	736.7	779.9	831.6	883.9	944.0	1007.1
40°	596.8	610.2	628.2	643.3	671.2	703.2	742.7	796.7	849.0	905.4	962.9
42.5°	569.4	582.3	597.5	616.3	641.4	672.4	709.2	759.5	815.5	868.7	916.9
45°	526.5	539.8	554.4	571.8	595.0	625.3	661.9	707.8	756.6	805.5	842.1
47.5°	485.4	498.0	511.8	529.6	551.0	580.2	612.9	653.5	700.9	742.4	768.6
50°	456.2	467.8	482.9	500.3	521.2	548.5	580.0	620.1	659.6	697.3	721.2
52.5°	427.4	440.4	455.5	470.6	490.6	517.9	547.0	581.4	619.1	650.0	669.6
55°	384.1	396.3	410.3	425.9	445.7	469.0	499.8	527.1	556.7	582.9	594.5
57.5°	342.4	353.1	366.2	382.5	400.3	421.9	446.3	472.6	493.5	512.0	525.1
60°	315.0	324.3	336.5	350.4	369.6	389.3	411.5	435.8	452.1	467.8	480.0
62.5°	287.1	295.9	307.6	320.2	337.1	355.4	376.6	396.3	412.2	422.8	436.8
65°	245.2	253.9	263.8	277.2	290.6	305.7	324.9	339.4	350.4	362.1	370.7
67.5°	206.3	213.5	222.9	233.4	244.7	259.2	274.1	286.1	293.7	300.7	311.2
70°	180.7	186.6	194.1	202.2	214.5	228.9	240.6	249.9	255.1	262.1	274.8
72.5°	154.7	161.4	168.5	176.7	186.6	198.7	209.0	218.3	221.6	227.2	235.4
75°	122.0	125.5	131.3	137.2	144.1	154.5	164.5	166.8	169.7	174.4	180.1
77.5°	92.3	95.4	97.7	101.6	107.2	115.5	120.8	124.2	124.9	126.7	132.4
80°	73.2	75.0	77.3	80.2	82.5	89.5	92.4	95.9	97.0	98.8	101.7
82.5°	53.7	55.4	56.8	59.2	63.0	65.8	68.7	72.2	72.4	73.7	74.3
85°	31.3	31.9	30.8	31.9	32.5	33.7	36.6	39.5	38.9	38.3	40.1
87.5°	13.3	13.2	12.6	13.8	12.6	12.9	12.7	12.9	13.6	14.3	15.0
90°	10.9	10.2	9.2	8.3	7.2	6.3	5.2	4.0	2.9	1.8	0.6
92.5°	25.5	24.5	23.3	22.1	20.9	19.6	18.7	17.8	17.0	16.3	15.5
95°	50.2	49.2	47.8	46.4	44.9	43.6	42.7	42.4	42.1	41.8	41.6
97.5°	79.3	78.4	76.4	74.5	72.5	70.5	69.5	69.4	69.2	69.1	69.1
100°	99.1	97.8	95.9	94.1	92.2	90.4	89.5	89.5	89.5	89.5	89.5
102.5°	119.7	118.2	117.3	116.4	115.5	114.5	113.7	113.1	112.6	112.0	111.5
105°	153.6	152.7	151.9	151.0	150.2	149.4	148.6	147.8	147.1	146.5	145.8
107.5°	190.1	189.7	189.1	188.4	187.8	187.1	186.4	185.7	185.0	184.3	183.6
110°	215.2	214.7	214.3	213.9	213.4	213.0	212.5	211.8	211.0	210.3	209.7



TEST NUMBER: P333705-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	240.6	240.3	239.8	239.3	238.7	238.2	237.7	237.4	236.9	236.6	236.3
115°	279.1	279.3	279.1	278.7	278.4	278.2	277.8	277.2	276.6	276.0	275.5
117.5°	317.3	317.2	316.9	316.7	316.4	316.2	315.9	315.6	315.4	315.1	314.9
120°	343.2	343.2	343.1	342.9	342.8	342.7	342.2	341.6	340.8	340.1	339.4
122.5°	368.7	368.8	368.4	368.1	367.6	367.3	367.0	366.8	366.5	366.3	366.0
125°	406.2	406.5	406.4	406.2	406.0	406.0	405.4	404.6	403.7	402.9	402.0
127.5°	443.2	443.3	443.2	443.0	442.8	442.6	442.3	441.9	441.3	440.8	440.4
130°	467.7	467.9	467.6	467.3	467.0	466.7	466.2	465.5	464.9	464.1	463.4
132.5°	491.3	491.4	491.5	491.5	491.5	491.6	491.0	489.9	488.7	487.6	486.4
135°	527.3	527.3	527.2	527.0	526.8	526.8	526.2	525.4	524.5	523.7	522.8
137.5°	562.4	562.2	561.9	561.5	561.3	560.9	560.4	559.6	558.7	557.9	557.1
140°	584.4	584.2	583.8	583.3	582.9	582.5	581.9	581.2	580.5	579.8	579.1
142.5°	606.3	606.1	605.6	605.1	604.6	604.0	603.5	602.9	602.3	601.7	601.1
145°	637.9	637.9	637.5	637.1	636.6	636.2	635.7	635.1	634.6	634.0	633.4
147.5°	666.6	666.2	665.9	665.6	665.2	664.9	664.6	664.3	663.9	663.7	663.3
150°	685.2	685.2	684.6	684.1	683.5	682.9	682.7	682.9	682.9	683.1	683.3
152.5°	701.9	701.5	701.3	701.1	700.9	700.6	700.4	700.3	700.0	699.8	699.6
155°	726.0	725.5	725.3	725.1	725.0	724.9	724.8	724.8	724.8	724.8	724.8
157.5°	747.1	746.6	746.4	746.2	746.1	746.0	746.1	746.4	746.7	747.0	747.3
160°	759.9	759.3	759.1	759.1	758.9	758.7	758.9	759.3	759.7	760.2	760.6
162.5°	771.8	771.1	771.0	771.0	771.0	770.9	771.1	771.5	771.7	772.1	772.4
165°	788.0	787.5	787.3	787.1	787.0	786.9	787.0	787.2	787.6	787.8	788.1
167.5°	799.7	798.8	798.8	798.8	798.8	798.8	799.1	799.7	800.2	800.8	801.4
170°	806.8	806.0	806.0	806.0	806.0	806.0	806.2	806.8	807.4	808.0	808.6
172.5°	811.9	811.1	811.1	811.1	811.1	811.1	811.4	811.9	812.5	813.0	813.6
175°	817.7	816.8	816.8	816.8	816.8	816.8	817.1	817.7	818.3	818.8	819.4
177.5°	820.4	819.8	819.9	820.0	820.1	820.3	820.5	821.0	821.4	821.9	822.3
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



TEST NUMBER: P333705-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1422.6	1426.8	1432.8	1439.8	1445.4	1451.4	1454.7	1454.7	1457.5	1463.5	1471.4
5°	1426.7	1441.7	1456.3	1474.9	1489.4	1506.2	1519.1	1531.3	1542.3	1556.3	1570.8
7.5°	1425.5	1450.6	1476.8	1506.1	1538.3	1564.0	1590.4	1611.1	1631.6	1658.3	1679.3
10°	1420.8	1453.4	1488.8	1526.0	1566.7	1602.1	1634.1	1663.2	1691.1	1720.1	1746.3
12.5°	1412.5	1453.9	1497.2	1541.9	1593.2	1633.7	1675.1	1706.0	1738.5	1770.3	1802.5
15°	1399.9	1448.7	1501.1	1563.2	1626.0	1671.3	1712.0	1752.1	1782.3	1818.3	1849.2
17.5°	1374.0	1436.9	1502.7	1570.6	1631.0	1683.6	1726.3	1764.4	1796.6	1836.3	1878.1
20°	1358.7	1426.7	1495.2	1567.9	1625.4	1679.5	1720.7	1760.2	1800.4	1852.0	1903.2
22.5°	1337.3	1409.9	1482.6	1551.6	1612.4	1664.6	1707.2	1755.6	1808.2	1866.9	1928.7
25°	1303.5	1378.5	1450.5	1516.1	1575.5	1628.9	1687.0	1752.1	1816.0	1893.3	1982.2
27.5°	1260.6	1332.8	1397.1	1466.5	1525.4	1593.5	1665.9	1736.6	1828.7	1935.0	2046.0
30°	1228.5	1297.1	1358.1	1423.7	1490.6	1565.6	1646.9	1730.0	1839.9	1964.8	2096.7
32.5°	1191.3	1253.4	1313.9	1377.3	1454.3	1536.7	1623.2	1724.9	1856.1	1998.3	2134.8
35°	1126.8	1182.6	1241.3	1311.6	1393.5	1483.1	1593.5	1717.3	1875.9	2028.7	2151.3
37.5°	1059.1	1103.2	1162.1	1236.3	1325.5	1429.1	1554.4	1704.8	1867.8	2004.8	2057.1
40°	1007.1	1048.4	1110.5	1188.4	1276.7	1390.1	1530.7	1685.2	1849.2	1944.5	1940.3
42.5°	955.5	997.2	1057.0	1135.4	1227.4	1354.3	1499.1	1659.7	1798.0	1834.3	1758.6
45°	876.3	915.2	974.0	1053.0	1151.8	1284.9	1437.1	1591.1	1679.5	1620.7	1470.8
47.5°	795.7	833.4	887.9	965.4	1073.2	1212.5	1356.4	1482.8	1495.2	1369.2	1189.3
50°	742.7	778.1	829.8	912.4	1016.9	1153.0	1291.8	1391.2	1360.4	1206.4	1021.1
52.5°	691.0	725.1	773.6	851.4	958.4	1091.6	1215.6	1293.6	1222.4	1058.6	891.8
55°	614.8	647.4	696.2	767.7	864.7	986.8	1095.5	1123.9	1019.3	854.3	719.5
57.5°	542.4	566.3	614.5	677.7	771.3	878.9	956.7	951.7	836.2	687.6	590.9
60°	494.6	516.0	562.0	620.1	708.9	805.5	860.1	836.8	720.1	597.4	504.4
62.5°	449.9	470.0	508.5	562.0	638.3	722.2	762.0	729.9	619.6	511.9	437.9
65°	382.4	396.9	427.7	477.1	536.9	595.0	630.5	583.4	485.9	404.5	348.7
67.5°	319.3	331.8	359.2	394.7	435.9	476.0	490.5	446.3	370.4	315.6	276.3
70°	278.4	290.0	308.6	341.7	369.0	397.5	404.5	365.0	301.6	259.8	235.4
72.5°	239.3	250.0	266.3	289.6	308.6	324.9	328.2	291.5	243.1	214.2	195.4
75°	182.4	191.7	202.2	210.9	223.2	226.1	224.9	196.4	170.3	151.1	140.6
77.5°	134.1	137.9	144.4	147.8	148.4	148.2	142.2	124.2	110.7	102.9	98.6
80°	103.4	106.3	108.1	109.3	109.9	104.0	97.6	86.6	82.0	77.3	72.1
82.5°	75.1	77.1	78.8	79.0	75.9	71.0	65.1	59.6	56.4	54.1	52.1
85°	40.6	41.2	40.6	37.8	33.7	31.9	30.8	29.6	29.0	28.5	28.5
87.5°	14.8	13.6	11.5	12.2	12.4	12.1	12.3	12.1	11.8	12.0	12.1
90°	1.8	2.9	4.0	5.2	6.3	7.2	8.3	9.2	10.2	10.9	11.6
92.5°	16.3	17.0	17.8	18.7	19.6	20.9	22.1	23.3	24.5	25.5	26.4
95°	41.8	42.1	42.4	42.7	43.6	44.9	46.4	47.8	49.2	50.2	51.2
97.5°	69.1	69.2	69.4	69.5	70.5	72.5	74.5	76.4	78.4	79.3	80.2
100°	89.5	89.5	89.5	89.5	90.4	92.2	94.1	95.9	97.8	99.1	100.3
102.5°	112.0	112.6	113.1	113.7	114.5	115.5	116.4	117.3	118.2	119.7	121.1
105°	146.5	147.1	147.8	148.6	149.4	150.2	151.0	151.9	152.7	153.6	154.5
107.5°	184.3	185.0	185.7	186.4	187.1	187.8	188.4	189.1	189.7	190.1	190.5
110°	210.3	211.0	211.8	212.5	213.0	213.4	213.9	214.3	214.7	215.2	215.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	236.6	236.9	237.4	237.7	238.2	238.7	239.3	239.8	240.3	240.6	240.7
115°	276.0	276.6	277.2	277.8	278.2	278.4	278.7	279.1	279.3	279.1	279.1
117.5°	315.1	315.4	315.6	315.9	316.2	316.4	316.7	316.9	317.2	317.3	317.4
120°	340.1	340.8	341.6	342.2	342.7	342.8	342.9	343.1	343.2	343.2	343.2
122.5°	366.3	366.5	366.8	367.0	367.3	367.6	368.1	368.4	368.8	368.7	368.6
125°	402.9	403.7	404.6	405.4	406.0	406.0	406.2	406.4	406.5	406.2	406.0
127.5°	440.8	441.3	441.9	442.3	442.6	442.8	443.0	443.2	443.3	443.2	443.1
130°	464.1	464.9	465.5	466.2	466.7	467.0	467.3	467.6	467.9	467.7	467.6
132.5°	487.6	488.7	489.9	491.0	491.6	491.5	491.5	491.5	491.4	491.3	491.1
135°	523.7	524.5	525.4	526.2	526.8	526.8	527.0	527.2	527.3	527.3	527.3
137.5°	557.9	558.7	559.6	560.4	560.9	561.3	561.5	561.9	562.2	562.4	562.6
140°	579.8	580.5	581.2	581.9	582.5	582.9	583.3	583.8	584.2	584.4	584.8
142.5°	601.7	602.3	602.9	603.5	604.0	604.6	605.1	605.6	606.1	606.3	606.5
145°	634.0	634.6	635.1	635.7	636.2	636.6	637.1	637.5	637.9	637.9	637.9
147.5°	663.7	663.9	664.3	664.6	664.9	665.2	665.6	665.9	666.2	666.6	666.9
150°	683.1	682.9	682.9	682.7	682.9	683.5	684.1	684.6	685.2	685.2	685.2
152.5°	699.8	700.0	700.3	700.4	700.6	700.9	701.1	701.3	701.5	701.9	702.2
155°	724.8	724.8	724.8	724.8	724.9	725.0	725.1	725.3	725.5	726.0	726.6
157.5°	747.0	746.7	746.4	746.1	746.0	746.1	746.2	746.4	746.6	747.1	747.7
160°	760.2	759.7	759.3	758.9	758.7	758.9	759.1	759.1	759.3	759.9	760.4
162.5°	772.1	771.7	771.5	771.1	770.9	771.0	771.0	771.0	771.1	771.8	772.5
165°	787.8	787.6	787.2	787.0	786.9	787.0	787.1	787.3	787.5	788.0	788.6
167.5°	800.8	800.2	799.7	799.1	798.8	798.8	798.8	798.8	798.8	799.7	800.6
170°	808.0	807.4	806.8	806.2	806.0	806.0	806.0	806.0	806.0	806.8	807.7
172.5°	813.0	812.5	811.9	811.4	811.1	811.1	811.1	811.1	811.1	811.9	812.8
175°	818.8	818.3	817.7	817.1	816.8	816.8	816.8	816.8	816.8	817.7	818.6
177.5°	821.9	821.4	821.0	820.5	820.3	820.1	820.0	819.9	819.8	820.4	821.1
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1477.5	1477.5	1485.4	1484.9	1490.0	1488.2	1489.1
5°	1588.2	1598.1	1606.8	1612.7	1621.3	1623.7	1622.5
7.5°	1703.1	1725.0	1735.7	1750.3	1753.0	1760.7	1759.9
10°	1774.2	1795.7	1812.0	1824.7	1831.1	1839.3	1839.9
12.5°	1830.0	1848.2	1862.6	1874.5	1882.2	1884.8	1886.4
15°	1873.5	1893.9	1910.7	1927.6	1937.5	1945.0	1949.1
17.5°	1917.4	1948.9	1978.6	2001.5	2015.3	2026.9	2026.7
20°	1951.5	1987.4	2024.6	2050.8	2077.5	2089.1	2090.9
22.5°	1987.7	2042.8	2090.7	2131.2	2166.3	2178.4	2183.0
25°	2063.0	2135.0	2208.9	2265.8	2306.4	2330.3	2333.8
27.5°	2154.0	2251.5	2329.2	2381.7	2415.5	2433.2	2437.0
30°	2218.2	2308.3	2378.0	2417.5	2433.2	2435.5	2426.8
32.5°	2247.0	2314.3	2342.2	2339.9	2309.0	2288.6	2280.8
35°	2211.7	2197.8	2129.9	2048.5	1986.3	1946.8	1936.3
37.5°	2012.8	1892.5	1767.5	1644.5	1579.1	1545.8	1488.6
40°	1816.6	1645.2	1515.0	1411.5	1337.7	1278.5	1264.6
42.5°	1595.3	1418.3	1288.1	1199.5	1140.7	1099.9	1082.3
45°	1281.9	1129.7	1022.2	954.2	908.9	879.3	865.9
47.5°	1025.4	907.5	829.1	778.9	744.3	718.5	711.3
50°	884.5	790.3	724.1	681.7	655.5	635.8	627.6
52.5°	768.3	692.2	641.4	606.3	581.6	569.3	562.5
55°	634.0	568.3	531.8	503.9	489.9	480.0	475.4
57.5°	518.5	471.1	444.4	425.1	412.2	405.9	403.6
60°	453.8	416.6	392.3	377.1	368.4	360.3	358.0
62.5°	396.7	367.4	348.5	335.3	326.6	323.1	321.7
65°	319.6	300.4	286.5	278.4	271.4	270.2	269.7
67.5°	254.1	242.8	235.5	227.0	224.5	220.5	219.6
70°	217.3	209.8	201.0	198.2	195.3	191.2	191.7
72.5°	184.3	176.8	170.8	167.0	166.0	164.2	165.7
75°	134.8	132.5	130.2	127.3	126.1	126.1	125.5
77.5°	96.3	94.3	91.7	90.0	89.6	87.1	88.1
80°	69.7	66.8	65.7	66.2	64.5	63.9	63.9
82.5°	51.6	50.5	49.4	49.5	49.2	48.6	49.1
85°	28.5	27.9	27.9	27.3	27.3	26.7	26.7
87.5°	12.7	13.3	12.5	12.1	12.2	12.7	13.3
90°	12.4	13.1	13.6	14.0	14.5	14.9	15.3
92.5°	27.4	28.3	28.9	29.3	29.5	29.9	30.1
95°	52.2	53.2	53.8	54.2	54.4	54.7	54.9
97.5°	81.2	82.1	82.7	82.8	83.0	83.2	83.3
100°	101.6	102.9	103.7	104.0	104.3	104.5	104.8
102.5°	122.4	123.8	124.7	125.1	125.5	125.9	126.3
105°	155.3	156.2	156.8	157.2	157.6	158.1	158.5
107.5°	191.0	191.4	191.6	191.6	191.6	191.5	191.5
110°	216.0	216.5	216.6	216.5	216.3	216.2	216.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	240.9	241.1	241.1	240.8	240.6	240.3	240.0
115°	278.9	278.7	278.6	278.4	278.4	278.2	278.0
117.5°	317.5	317.6	317.4	316.8	316.2	315.6	315.1
120°	343.2	343.2	342.9	342.4	341.8	341.2	340.7
122.5°	368.4	368.3	368.1	367.6	367.1	366.7	366.3
125°	405.6	405.4	405.2	405.0	404.8	404.8	404.6
127.5°	442.9	442.7	442.6	442.3	442.0	441.7	441.4
130°	467.4	467.3	467.1	466.8	466.5	466.2	466.0
132.5°	490.9	490.9	490.5	490.2	489.7	489.4	489.0
135°	527.3	527.3	527.0	526.4	525.9	525.3	524.8
137.5°	562.7	562.9	562.6	561.9	561.2	560.5	559.7
140°	585.0	585.3	585.1	584.4	583.7	583.0	582.3
142.5°	606.7	606.8	606.6	605.9	605.2	604.4	603.7
145°	637.9	637.9	637.7	637.2	636.8	636.4	635.9
147.5°	667.3	667.6	667.3	666.3	665.4	664.4	663.5
150°	685.2	685.2	685.0	684.8	684.5	684.2	683.9
152.5°	702.6	702.9	702.8	702.3	701.8	701.3	700.8
155°	727.1	727.7	727.6	726.9	726.3	725.5	724.8
157.5°	748.2	748.8	748.6	747.7	746.7	745.8	744.9
160°	761.0	761.6	761.6	760.8	760.1	759.4	758.7
162.5°	773.1	773.8	773.8	772.9	772.1	771.3	770.4
165°	789.2	789.7	789.5	788.8	787.9	787.0	786.2
167.5°	801.4	802.2	802.2	801.3	800.5	799.6	798.7
170°	808.6	809.4	809.3	808.3	807.4	806.3	805.4
172.5°	813.6	814.5	814.5	813.6	812.7	811.8	811.0
175°	819.4	820.3	820.2	819.2	818.2	817.2	816.2
177.5°	821.8	822.5	822.4	821.7	820.9	820.1	819.2
180°	821.3	821.3	821.3	821.3	821.3	821.3	821.3

(END OF REPORT)