

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: P333606-935

Luminaire Tested: **S125RDIP-S1090D1205U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333606-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1090D1205U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7391.6 lumens
Efficiency: N/A
Efficacy: 113.0 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: General Diffuse

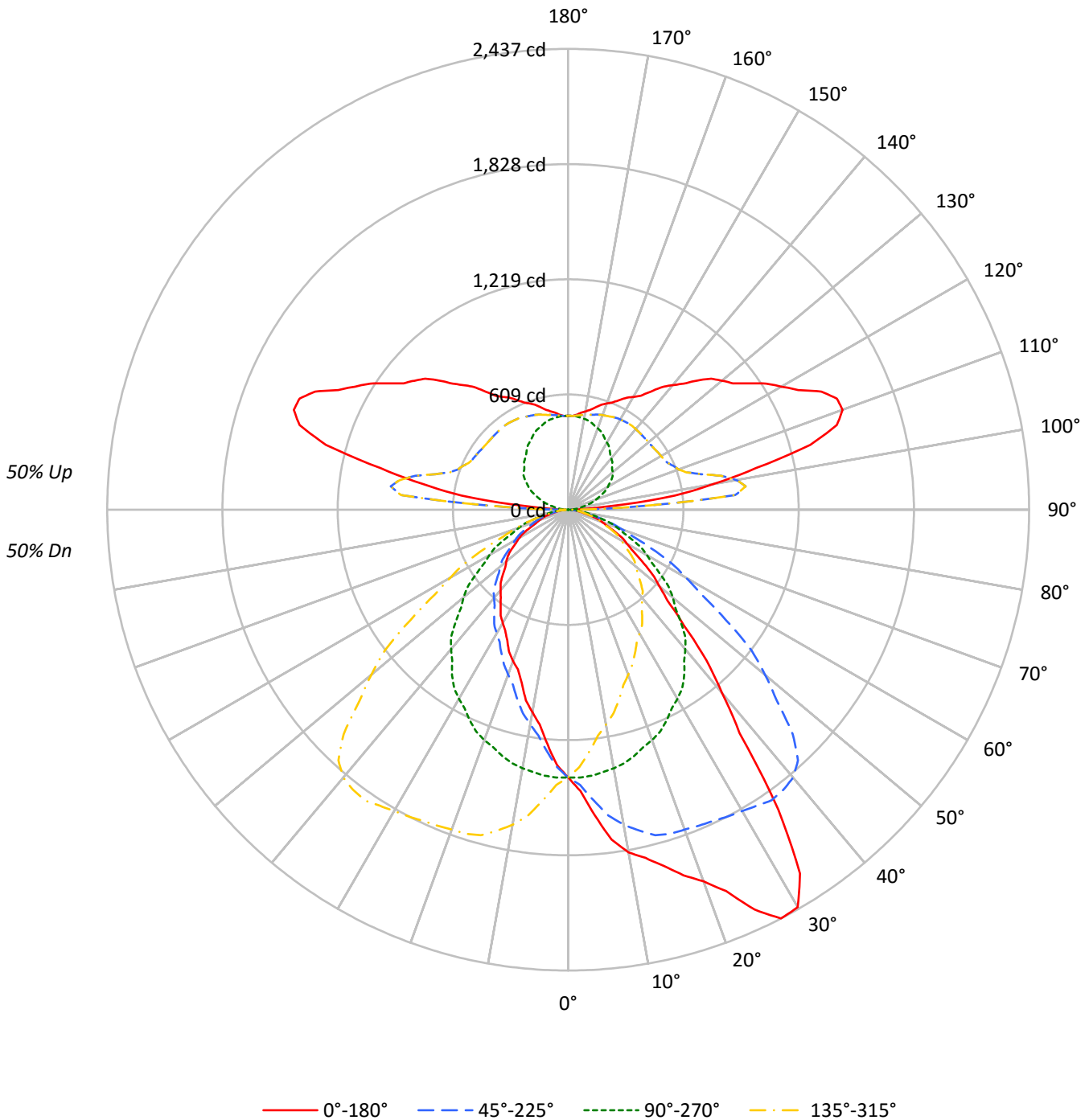
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	76	71	67	65	61	58	54	52	49	44	43	41	36
3	82	73	66	60	75	68	61	56	58	53	49	48	45	42	40	37	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	32	29	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	29	26	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

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	1.8
10°-20°	397.8	5.4
20°-30°	630.8	8.5
30°-40°	760.7	10.3
40°-50°	679.3	9.2
50°-60°	520.9	7.0
60°-70°	338.5	4.6
70°-80°	164.6	2.2
80°-90°	42.0	0.6
90°-100°	359.7	4.9
100°-110°	773.2	10.5
110°-120°	725.6	9.8
120°-130°	588.1	8.0
130°-140°	471.9	6.4
140°-150°	356.1	4.8
150°-160°	250.7	3.4
160°-170°	147.8	2.0
170°-180°	48.1	0.7
0°-30°	1164.4	15.8
0°-40°	1925.0	26.0
0°-60°	3125.2	42.3
0°-90°	3670.4	49.7
90°-120°	1858.5	25.1
90°-150°	3274.7	44.3
90°-180°	3721.0	50.3
0°-180°	7391.6	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°	23	1	23	1	23	17
95°	235	33	235	33	235	333
105°	1326	113	1326	113	1326	1318
115°	1477	202	1477	202	1477	1443
125°	1164	280	1164	280	1164	1053
135°	966	328	966	328	966	749
145°	762	382	762	382	762	484
155°	639	436	639	436	639	298
165°	560	476	560	476	560	160
175°	503	495	503	495	503	49
180°	496	496	496	496	496	



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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°	14.8	14.4	13.7	13.7	14.2	14.7	14.0	13.3	13.2	13.0	13.0
90°	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0	17.0	16.0	14.0
92.5°	63.8	65.4	66.8	69.2	82.1	96.9	128.6	177.3	261.1	322.5	327.8
95°	235.1	251.2	259.1	289.1	360.2	444.2	567.2	719.3	867.4	886.4	723.3
97.5°	568.3	581.1	610.1	666.1	727.9	844.8	964.7	1071.3	1097.5	946.6	645.9
100°	780.3	796.3	833.4	905.4	974.4	1078.5	1181.6	1230.5	1153.5	903.4	576.3
102.5°	1017.3	1029.2	1069.4	1120.7	1194.6	1265.0	1314.4	1284.2	1119.9	827.3	523.4
105°	1325.6	1337.6	1357.6	1390.6	1422.6	1433.7	1389.7	1252.6	1012.4	725.3	472.2
107.5°	1489.3	1497.3	1503.9	1504.1	1487.9	1435.6	1322.6	1139.7	902.8	655.0	450.6
110°	1543.7	1543.7	1536.7	1517.7	1472.7	1387.6	1246.6	1056.4	840.3	622.2	444.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1537.3	1530.1	1512.7	1480.1	1414.2	1314.0	1171.3	990.8	793.9	603.0	444.2
115°	1476.6	1463.6	1435.6	1387.6	1309.6	1200.5	1063.5	908.4	743.3	582.3	447.2
117.5°	1370.4	1362.4	1334.6	1285.0	1206.9	1106.9	988.9	855.1	713.1	572.0	453.8
120°	1301.6	1293.6	1266.5	1218.6	1144.5	1056.4	946.4	826.4	696.3	567.2	460.2
122.5°	1240.8	1233.6	1206.5	1162.5	1096.5	1014.1	916.0	804.8	681.9	563.3	465.8
125°	1163.6	1153.5	1131.5	1090.5	1034.5	962.4	875.4	773.4	662.3	558.3	475.2
127.5°	1097.5	1093.1	1072.3	1036.0	985.2	917.8	836.5	741.3	644.3	555.9	485.8
130°	1061.4	1055.5	1035.4	1002.5	952.4	887.4	809.3	721.3	632.3	554.2	492.2
132.5°	1025.5	1018.6	1000.2	967.2	917.2	854.5	783.8	701.3	622.7	554.2	499.4
135°	966.5	960.4	942.5	909.4	865.4	808.4	744.3	675.3	611.3	554.2	509.2
137.5°	903.4	896.8	880.2	850.2	810.8	762.3	709.1	653.3	601.1	555.4	518.2
140°	859.4	854.4	839.4	813.4	776.4	734.3	688.3	641.3	596.2	556.2	522.2
142.5°	818.6	814.3	800.1	778.2	746.7	710.3	670.7	630.9	592.3	557.1	524.6
145°	762.3	758.4	747.3	730.3	706.3	679.3	648.2	617.3	586.3	556.2	527.3
147.5°	714.7	712.9	706.5	692.9	673.9	653.5	629.6	604.5	580.1	553.6	528.2
150°	688.3	687.3	683.3	671.3	656.3	638.3	619.3	597.3	575.2	551.2	528.2
152.5°	667.5	666.5	662.5	652.9	640.3	626.3	608.9	589.3	569.6	548.0	527.4
155°	639.3	638.3	635.2	628.3	618.3	607.3	593.2	577.2	560.3	542.3	525.2
157.5°	614.1	614.2	611.5	605.6	597.9	589.3	578.4	565.2	551.5	536.2	522.6
160°	597.3	598.3	596.2	591.2	584.3	577.2	567.2	557.2	544.2	532.3	520.2
162.5°	582.0	582.3	581.9	577.6	572.2	566.0	557.7	548.5	537.9	527.4	517.8
165°	560.3	560.3	560.3	558.3	554.2	549.2	543.2	536.2	528.2	520.2	514.2
167.5°	540.3	540.4	541.2	539.4	537.4	533.8	529.3	524.6	518.8	513.2	508.6
170°	528.2	529.3	529.3	528.2	526.2	524.3	521.2	518.2	513.2	509.2	506.3
172.5°	517.0	518.1	519.6	517.8	517.5	516.3	514.0	511.0	507.6	504.5	503.0
175°	503.3	504.2	506.3	505.2	505.2	505.2	503.3	503.3	500.2	499.2	499.2
177.5°	496.2	496.2	498.6	497.8	498.6	498.6	498.6	497.8	497.1	496.2	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



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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°	13.3	12.9	13.2	12.7	11.9	13.8	14.8	15.1	14.4	13.8	13.3
90°	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0	2.0	4.0	6.0
92.5°	228.3	136.6	82.1	52.9	35.6	23.2	14.8	12.2	14.8	23.2	35.6
95°	447.2	227.1	120.0	75.0	53.0	42.0	34.0	33.0	34.0	42.0	53.0
97.5°	357.0	195.7	124.8	92.5	72.7	61.6	56.1	54.8	56.1	61.6	72.7
100°	324.2	194.1	136.0	106.1	87.0	76.0	72.1	70.0	72.1	76.0	87.0
102.5°	310.6	201.3	149.6	120.5	103.1	91.3	88.1	86.9	88.1	91.3	103.1
105°	305.1	216.1	172.1	144.0	128.0	118.0	113.0	113.0	113.0	118.0	128.0
107.5°	314.4	238.1	195.4	170.3	153.7	145.4	140.7	138.6	140.7	145.4	153.7
110°	323.1	254.1	213.1	187.1	172.1	163.1	159.1	157.0	159.1	163.1	172.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.3	269.3	229.9	204.7	189.7	180.6	177.5	175.5	177.5	180.6	189.7
115°	351.1	293.2	256.1	231.1	216.1	207.1	204.1	202.1	204.1	207.1	216.1
117.5°	370.4	317.5	282.5	258.3	241.3	232.3	229.1	226.1	229.1	232.3	241.3
120°	383.1	335.2	300.1	275.1	258.1	249.1	245.1	242.1	245.1	249.1	258.1
122.5°	397.6	352.0	316.9	292.0	273.3	264.3	261.1	258.9	261.1	264.3	273.3
125°	417.2	374.2	341.1	315.1	296.1	287.1	282.1	280.1	282.1	287.1	296.1
127.5°	435.2	395.5	363.8	337.8	317.5	306.2	299.7	296.7	299.7	306.2	317.5
130°	447.2	409.1	378.2	352.1	331.1	318.1	310.1	307.1	310.1	318.1	331.1
132.5°	457.6	422.0	391.0	365.0	343.2	328.6	318.9	315.1	318.9	328.6	343.2
135°	472.2	439.2	408.2	381.2	360.2	344.1	332.2	328.1	332.2	344.1	360.2
137.5°	483.0	451.4	423.2	395.4	374.8	358.8	347.6	344.6	347.6	358.8	374.8
140°	490.3	460.2	431.2	404.2	385.2	369.2	357.1	354.1	357.1	369.2	385.2
142.5°	494.2	465.8	438.4	413.0	394.8	378.8	367.6	365.3	367.6	378.8	394.8
145°	500.2	475.2	449.2	426.2	408.2	394.2	384.2	382.2	384.2	394.2	408.2
147.5°	503.9	481.2	458.4	438.2	422.6	409.6	401.0	399.8	401.0	409.6	422.6
150°	506.3	485.2	463.2	446.2	432.2	419.2	412.2	410.2	412.2	419.2	432.2
152.5°	507.8	489.2	468.8	453.4	440.2	428.8	422.6	421.4	422.6	428.8	440.2
155°	509.2	493.2	476.2	462.2	452.2	442.2	436.2	436.2	436.2	442.2	452.2
157.5°	510.2	496.6	482.0	471.4	462.6	454.0	449.2	449.4	449.2	454.0	462.6
160°	510.2	498.3	485.2	476.2	468.2	461.2	457.2	458.2	457.2	461.2	468.2
162.5°	509.5	499.8	488.4	481.0	474.6	468.4	464.4	465.4	464.4	468.4	474.6
165°	508.2	500.2	492.2	486.2	482.2	477.3	474.2	476.2	474.2	477.3	482.2
167.5°	505.8	500.2	493.6	489.8	487.0	484.2	482.4	483.5	482.4	484.2	487.0
170°	504.2	500.2	495.2	492.2	490.3	488.2	487.2	488.2	487.2	488.2	490.3
172.5°	502.7	499.4	495.2	493.8	492.6	490.6	489.7	491.5	489.7	490.6	492.6
175°	500.2	498.3	495.2	495.2	495.2	494.2	493.2	495.2	493.2	494.2	495.2
177.5°	497.8	497.1	495.4	495.4	496.2	495.4	495.4	497.1	495.4	495.4	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333606-935

CATALOG NUMBER: S125RDIP-S1090D1205U935-4F0-1E-UDD-A4

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°	13.3	13.6	13.3	14.7	13.5	14.4	14.6	14.3	14.5	14.7	14.6
90°	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0	19.0	20.0	22.0
92.5°	52.9	82.1	136.6	228.3	327.8	322.5	261.1	177.3	128.6	96.9	82.1
95°	75.0	120.0	227.1	447.2	723.3	886.4	867.4	719.3	567.2	444.2	360.2
97.5°	92.5	124.8	195.7	357.0	645.9	946.6	1097.5	1071.3	964.7	844.8	727.9
100°	106.1	136.0	194.1	324.2	576.3	903.4	1153.5	1230.5	1181.6	1078.5	974.4
102.5°	120.5	149.6	201.3	310.6	523.4	827.3	1119.9	1284.2	1314.4	1265.0	1194.6
105°	144.0	172.1	216.1	305.1	472.2	725.3	1012.4	1252.6	1389.7	1433.7	1422.6
107.5°	170.3	195.4	238.1	314.4	450.6	655.0	902.8	1139.7	1322.6	1435.6	1487.9
110°	187.1	213.1	254.1	323.1	444.2	622.2	840.3	1056.4	1246.6	1387.6	1472.7



TEST NUMBER: P333606-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.7	229.9	269.3	334.3	444.2	603.0	793.9	990.8	1171.3	1314.0	1414.2
115°	231.1	256.1	293.2	351.1	447.2	582.3	743.3	908.4	1063.5	1200.5	1309.6
117.5°	258.3	282.5	317.5	370.4	453.8	572.0	713.1	855.1	988.9	1106.9	1206.9
120°	275.1	300.1	335.2	383.1	460.2	567.2	696.3	826.4	946.4	1056.4	1144.5
122.5°	292.0	316.9	352.0	397.6	465.8	563.3	681.9	804.8	916.0	1014.1	1096.5
125°	315.1	341.1	374.2	417.2	475.2	558.3	662.3	773.4	875.4	962.4	1034.5
127.5°	337.8	363.8	395.5	435.2	485.8	555.9	644.3	741.3	836.5	917.8	985.2
130°	352.1	378.2	409.1	447.2	492.2	554.2	632.3	721.3	809.3	887.4	952.4
132.5°	365.0	391.0	422.0	457.6	499.4	554.2	622.7	701.3	783.8	854.5	917.2
135°	381.2	408.2	439.2	472.2	509.2	554.2	611.3	675.3	744.3	808.4	865.4
137.5°	395.4	423.2	451.4	483.0	518.2	555.4	601.1	653.3	709.1	762.3	810.8
140°	404.2	431.2	460.2	490.3	522.2	556.2	596.2	641.3	688.3	734.3	776.4
142.5°	413.0	438.4	465.8	494.2	524.6	557.1	592.3	630.9	670.7	710.3	746.7
145°	426.2	449.2	475.2	500.2	527.3	556.2	586.3	617.3	648.2	679.3	706.3
147.5°	438.2	458.4	481.2	503.9	528.2	553.6	580.1	604.5	629.6	653.5	673.9
150°	446.2	463.2	485.2	506.3	528.2	551.2	575.2	597.3	619.3	638.3	656.3
152.5°	453.4	468.8	489.2	507.8	527.4	548.0	569.6	589.3	608.9	626.3	640.3
155°	462.2	476.2	493.2	509.2	525.2	542.3	560.3	577.2	593.2	607.3	618.3
157.5°	471.4	482.0	496.6	510.2	522.6	536.2	551.5	565.2	578.4	589.3	597.9
160°	476.2	485.2	498.3	510.2	520.2	532.3	544.2	557.2	567.2	577.2	584.3
162.5°	481.0	488.4	499.8	509.5	517.8	527.4	537.9	548.5	557.7	566.0	572.2
165°	486.2	492.2	500.2	508.2	514.2	520.2	528.2	536.2	543.2	549.2	554.2
167.5°	489.8	493.6	500.2	505.8	508.6	513.2	518.8	524.6	529.3	533.8	537.4
170°	492.2	495.2	500.2	504.2	506.3	509.2	513.2	518.2	521.2	524.3	526.2
172.5°	493.8	495.2	499.4	502.7	503.0	504.5	507.6	511.0	514.0	516.3	517.5
175°	495.2	495.2	498.3	500.2	499.2	499.2	500.2	503.3	503.3	505.2	505.2
177.5°	495.4	495.4	497.1	497.8	496.2	496.2	497.1	497.8	498.6	498.6	498.6
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333606-935

CATALOG NUMBER: S125RDIP-S1090D1205U935-4F0-1E-UDD-A4

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°	15.1	14.6	14.8	14.8	14.8	14.6	15.1	14.6	14.7	14.5	14.3
90°	22.0	22.0	23.0	23.0	23.0	22.0	22.0	22.0	20.0	19.0	18.0
92.5°	69.2	66.8	65.4	63.8	65.4	66.8	69.2	82.1	96.9	128.6	177.3
95°	289.1	259.1	251.2	235.1	251.2	259.1	289.1	360.2	444.2	567.2	719.3
97.5°	666.1	610.1	581.1	568.3	581.1	610.1	666.1	727.9	844.8	964.7	1071.3
100°	905.4	833.4	796.3	780.3	796.3	833.4	905.4	974.4	1078.5	1181.6	1230.5
102.5°	1120.7	1069.4	1029.2	1017.3	1029.2	1069.4	1120.7	1194.6	1265.0	1314.4	1284.2
105°	1390.6	1357.6	1337.6	1325.6	1337.6	1357.6	1390.6	1422.6	1433.7	1389.7	1252.6
107.5°	1504.1	1503.9	1497.3	1489.3	1497.3	1503.9	1504.1	1487.9	1435.6	1322.6	1139.7
110°	1517.7	1536.7	1543.7	1543.7	1543.7	1536.7	1517.7	1472.7	1387.6	1246.6	1056.4



TEST NUMBER: P333606-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1480.1	1512.7	1530.1	1537.3	1530.1	1512.7	1480.1	1414.2	1314.0	1171.3	990.8
115°	1387.6	1435.6	1463.6	1476.6	1463.6	1435.6	1387.6	1309.6	1200.5	1063.5	908.4
117.5°	1285.0	1334.6	1362.4	1370.4	1362.4	1334.6	1285.0	1206.9	1106.9	988.9	855.1
120°	1218.6	1266.5	1293.6	1301.6	1293.6	1266.5	1218.6	1144.5	1056.4	946.4	826.4
122.5°	1162.5	1206.5	1233.6	1240.8	1233.6	1206.5	1162.5	1096.5	1014.1	916.0	804.8
125°	1090.5	1131.5	1153.5	1163.6	1153.5	1131.5	1090.5	1034.5	962.4	875.4	773.4
127.5°	1036.0	1072.3	1093.1	1097.5	1093.1	1072.3	1036.0	985.2	917.8	836.5	741.3
130°	1002.5	1035.4	1055.5	1061.4	1055.5	1035.4	1002.5	952.4	887.4	809.3	721.3
132.5°	967.2	1000.2	1018.6	1025.5	1018.6	1000.2	967.2	917.2	854.5	783.8	701.3
135°	909.4	942.5	960.4	966.5	960.4	942.5	909.4	865.4	808.4	744.3	675.3
137.5°	850.2	880.2	896.8	903.4	896.8	880.2	850.2	810.8	762.3	709.1	653.3
140°	813.4	839.4	854.4	859.4	854.4	839.4	813.4	776.4	734.3	688.3	641.3
142.5°	778.2	800.1	814.3	818.6	814.3	800.1	778.2	746.7	710.3	670.7	630.9
145°	730.3	747.3	758.4	762.3	758.4	747.3	730.3	706.3	679.3	648.2	617.3
147.5°	692.9	706.5	712.9	714.7	712.9	706.5	692.9	673.9	653.5	629.6	604.5
150°	671.3	683.3	687.3	688.3	687.3	683.3	671.3	656.3	638.3	619.3	597.3
152.5°	652.9	662.5	666.5	667.5	666.5	662.5	652.9	640.3	626.3	608.9	589.3
155°	628.3	635.2	638.3	639.3	638.3	635.2	628.3	618.3	607.3	593.2	577.2
157.5°	605.6	611.5	614.2	614.1	614.2	611.5	605.6	597.9	589.3	578.4	565.2
160°	591.2	596.2	598.3	597.3	598.3	596.2	591.2	584.3	577.2	567.2	557.2
162.5°	577.6	581.9	582.3	582.0	582.3	581.9	577.6	572.2	566.0	557.7	548.5
165°	558.3	560.3	560.3	560.3	560.3	560.3	558.3	554.2	549.2	543.2	536.2
167.5°	539.4	541.2	540.4	540.3	540.4	541.2	539.4	537.4	533.8	529.3	524.6
170°	528.2	529.3	529.3	528.2	529.3	529.3	528.2	526.2	524.3	521.2	518.2
172.5°	517.8	519.6	518.1	517.0	518.1	519.6	517.8	517.5	516.3	514.0	511.0
175°	505.2	506.3	504.2	503.3	504.2	506.3	505.2	505.2	505.2	503.3	503.3
177.5°	497.8	498.6	496.2	496.2	496.2	498.6	497.8	498.6	498.6	498.6	497.8
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



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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°	14.6	14.4	13.5	14.7	13.3	13.6	13.3	13.3	13.8	14.4	15.1
90°	17.0	16.0	14.0	13.0	11.0	10.0	8.0	6.0	4.0	2.0	1.0
92.5°	261.1	322.5	327.8	228.3	136.6	82.1	52.9	35.6	23.2	14.8	12.2
95°	867.4	886.4	723.3	447.2	227.1	120.0	75.0	53.0	42.0	34.0	33.0
97.5°	1097.5	946.6	645.9	357.0	195.7	124.8	92.5	72.7	61.6	56.1	54.8
100°	1153.5	903.4	576.3	324.2	194.1	136.0	106.1	87.0	76.0	72.1	70.0
102.5°	1119.9	827.3	523.4	310.6	201.3	149.6	120.5	103.1	91.3	88.1	86.9
105°	1012.4	725.3	472.2	305.1	216.1	172.1	144.0	128.0	118.0	113.0	113.0
107.5°	902.8	655.0	450.6	314.4	238.1	195.4	170.3	153.7	145.4	140.7	138.6
110°	840.3	622.2	444.2	323.1	254.1	213.1	187.1	172.1	163.1	159.1	157.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	793.9	603.0	444.2	334.3	269.3	229.9	204.7	189.7	180.6	177.5	175.5
115°	743.3	582.3	447.2	351.1	293.2	256.1	231.1	216.1	207.1	204.1	202.1
117.5°	713.1	572.0	453.8	370.4	317.5	282.5	258.3	241.3	232.3	229.1	226.1
120°	696.3	567.2	460.2	383.1	335.2	300.1	275.1	258.1	249.1	245.1	242.1
122.5°	681.9	563.3	465.8	397.6	352.0	316.9	292.0	273.3	264.3	261.1	258.9
125°	662.3	558.3	475.2	417.2	374.2	341.1	315.1	296.1	287.1	282.1	280.1
127.5°	644.3	555.9	485.8	435.2	395.5	363.8	337.8	317.5	306.2	299.7	296.7
130°	632.3	554.2	492.2	447.2	409.1	378.2	352.1	331.1	318.1	310.1	307.1
132.5°	622.7	554.2	499.4	457.6	422.0	391.0	365.0	343.2	328.6	318.9	315.1
135°	611.3	554.2	509.2	472.2	439.2	408.2	381.2	360.2	344.1	332.2	328.1
137.5°	601.1	555.4	518.2	483.0	451.4	423.2	395.4	374.8	358.8	347.6	344.6
140°	596.2	556.2	522.2	490.3	460.2	431.2	404.2	385.2	369.2	357.1	354.1
142.5°	592.3	557.1	524.6	494.2	465.8	438.4	413.0	394.8	378.8	367.6	365.3
145°	586.3	556.2	527.3	500.2	475.2	449.2	426.2	408.2	394.2	384.2	382.2
147.5°	580.1	553.6	528.2	503.9	481.2	458.4	438.2	422.6	409.6	401.0	399.8
150°	575.2	551.2	528.2	506.3	485.2	463.2	446.2	432.2	419.2	412.2	410.2
152.5°	569.6	548.0	527.4	507.8	489.2	468.8	453.4	440.2	428.8	422.6	421.4
155°	560.3	542.3	525.2	509.2	493.2	476.2	462.2	452.2	442.2	436.2	436.2
157.5°	551.5	536.2	522.6	510.2	496.6	482.0	471.4	462.6	454.0	449.2	449.4
160°	544.2	532.3	520.2	510.2	498.3	485.2	476.2	468.2	461.2	457.2	458.2
162.5°	537.9	527.4	517.8	509.5	499.8	488.4	481.0	474.6	468.4	464.4	465.4
165°	528.2	520.2	514.2	508.2	500.2	492.2	486.2	482.2	477.3	474.2	476.2
167.5°	518.8	513.2	508.6	505.8	500.2	493.6	489.8	487.0	484.2	482.4	483.5
170°	513.2	509.2	506.3	504.2	500.2	495.2	492.2	490.3	488.2	487.2	488.2
172.5°	507.6	504.5	503.0	502.7	499.4	495.2	493.8	492.6	490.6	489.7	491.5
175°	500.2	499.2	499.2	500.2	498.3	495.2	495.2	495.2	494.2	493.2	495.2
177.5°	497.1	496.2	496.2	497.8	497.1	495.4	495.4	496.2	495.4	495.4	497.1
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



TEST NUMBER: P333606-935

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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	13.8	11.9	12.7	13.2	12.9	13.3	13.0	13.0	13.2	13.3
90°	2.0	4.0	6.0	8.0	10.0	11.0	13.0	14.0	16.0	17.0	18.0
92.5°	14.8	23.2	35.6	52.9	82.1	136.6	228.3	327.8	322.5	261.1	177.3
95°	34.0	42.0	53.0	75.0	120.0	227.1	447.2	723.3	886.4	867.4	719.3
97.5°	56.1	61.6	72.7	92.5	124.8	195.7	357.0	645.9	946.6	1097.5	1071.3
100°	72.1	76.0	87.0	106.1	136.0	194.1	324.2	576.3	903.4	1153.5	1230.5
102.5°	88.1	91.3	103.1	120.5	149.6	201.3	310.6	523.4	827.3	1119.9	1284.2
105°	113.0	118.0	128.0	144.0	172.1	216.1	305.1	472.2	725.3	1012.4	1252.6
107.5°	140.7	145.4	153.7	170.3	195.4	238.1	314.4	450.6	655.0	902.8	1139.7
110°	159.1	163.1	172.1	187.1	213.1	254.1	323.1	444.2	622.2	840.3	1056.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	177.5	180.6	189.7	204.7	229.9	269.3	334.3	444.2	603.0	793.9	990.8
115°	204.1	207.1	216.1	231.1	256.1	293.2	351.1	447.2	582.3	743.3	908.4
117.5°	229.1	232.3	241.3	258.3	282.5	317.5	370.4	453.8	572.0	713.1	855.1
120°	245.1	249.1	258.1	275.1	300.1	335.2	383.1	460.2	567.2	696.3	826.4
122.5°	261.1	264.3	273.3	292.0	316.9	352.0	397.6	465.8	563.3	681.9	804.8
125°	282.1	287.1	296.1	315.1	341.1	374.2	417.2	475.2	558.3	662.3	773.4
127.5°	299.7	306.2	317.5	337.8	363.8	395.5	435.2	485.8	555.9	644.3	741.3
130°	310.1	318.1	331.1	352.1	378.2	409.1	447.2	492.2	554.2	632.3	721.3
132.5°	318.9	328.6	343.2	365.0	391.0	422.0	457.6	499.4	554.2	622.7	701.3
135°	332.2	344.1	360.2	381.2	408.2	439.2	472.2	509.2	554.2	611.3	675.3
137.5°	347.6	358.8	374.8	395.4	423.2	451.4	483.0	518.2	555.4	601.1	653.3
140°	357.1	369.2	385.2	404.2	431.2	460.2	490.3	522.2	556.2	596.2	641.3
142.5°	367.6	378.8	394.8	413.0	438.4	465.8	494.2	524.6	557.1	592.3	630.9
145°	384.2	394.2	408.2	426.2	449.2	475.2	500.2	527.3	556.2	586.3	617.3
147.5°	401.0	409.6	422.6	438.2	458.4	481.2	503.9	528.2	553.6	580.1	604.5
150°	412.2	419.2	432.2	446.2	463.2	485.2	506.3	528.2	551.2	575.2	597.3
152.5°	422.6	428.8	440.2	453.4	468.8	489.2	507.8	527.4	548.0	569.6	589.3
155°	436.2	442.2	452.2	462.2	476.2	493.2	509.2	525.2	542.3	560.3	577.2
157.5°	449.2	454.0	462.6	471.4	482.0	496.6	510.2	522.6	536.2	551.5	565.2
160°	457.2	461.2	468.2	476.2	485.2	498.3	510.2	520.2	532.3	544.2	557.2
162.5°	464.4	468.4	474.6	481.0	488.4	499.8	509.5	517.8	527.4	537.9	548.5
165°	474.2	477.3	482.2	486.2	492.2	500.2	508.2	514.2	520.2	528.2	536.2
167.5°	482.4	484.2	487.0	489.8	493.6	500.2	505.8	508.6	513.2	518.8	524.6
170°	487.2	488.2	490.3	492.2	495.2	500.2	504.2	506.3	509.2	513.2	518.2
172.5°	489.7	490.6	492.6	493.8	495.2	499.4	502.7	503.0	504.5	507.6	511.0
175°	493.2	494.2	495.2	495.2	495.2	498.3	500.2	499.2	499.2	500.2	503.3
177.5°	495.4	495.4	496.2	495.4	495.4	497.1	497.8	496.2	496.2	497.1	497.8
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2	496.2



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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°	14.0	14.7	14.2	13.7	13.7	14.4	14.8
90°	19.0	20.0	22.0	22.0	22.0	23.0	23.0
92.5°	128.6	96.9	82.1	69.2	66.8	65.4	63.8
95°	567.2	444.2	360.2	289.1	259.1	251.2	235.1
97.5°	964.7	844.8	727.9	666.1	610.1	581.1	568.3
100°	1181.6	1078.5	974.4	905.4	833.4	796.3	780.3
102.5°	1314.4	1265.0	1194.6	1120.7	1069.4	1029.2	1017.3
105°	1389.7	1433.7	1422.6	1390.6	1357.6	1337.6	1325.6
107.5°	1322.6	1435.6	1487.9	1504.1	1503.9	1497.3	1489.3
110°	1246.6	1387.6	1472.7	1517.7	1536.7	1543.7	1543.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1171.3	1314.0	1414.2	1480.1	1512.7	1530.1	1537.3
115°	1063.5	1200.5	1309.6	1387.6	1435.6	1463.6	1476.6
117.5°	988.9	1106.9	1206.9	1285.0	1334.6	1362.4	1370.4
120°	946.4	1056.4	1144.5	1218.6	1266.5	1293.6	1301.6
122.5°	916.0	1014.1	1096.5	1162.5	1206.5	1233.6	1240.8
125°	875.4	962.4	1034.5	1090.5	1131.5	1153.5	1163.6
127.5°	836.5	917.8	985.2	1036.0	1072.3	1093.1	1097.5
130°	809.3	887.4	952.4	1002.5	1035.4	1055.5	1061.4
132.5°	783.8	854.5	917.2	967.2	1000.2	1018.6	1025.5
135°	744.3	808.4	865.4	909.4	942.5	960.4	966.5
137.5°	709.1	762.3	810.8	850.2	880.2	896.8	903.4
140°	688.3	734.3	776.4	813.4	839.4	854.4	859.4
142.5°	670.7	710.3	746.7	778.2	800.1	814.3	818.6
145°	648.2	679.3	706.3	730.3	747.3	758.4	762.3
147.5°	629.6	653.5	673.9	692.9	706.5	712.9	714.7
150°	619.3	638.3	656.3	671.3	683.3	687.3	688.3
152.5°	608.9	626.3	640.3	652.9	662.5	666.5	667.5
155°	593.2	607.3	618.3	628.3	635.2	638.3	639.3
157.5°	578.4	589.3	597.9	605.6	611.5	614.2	614.1
160°	567.2	577.2	584.3	591.2	596.2	598.3	597.3
162.5°	557.7	566.0	572.2	577.6	581.9	582.3	582.0
165°	543.2	549.2	554.2	558.3	560.3	560.3	560.3
167.5°	529.3	533.8	537.4	539.4	541.2	540.4	540.3
170°	521.2	524.3	526.2	528.2	529.3	529.3	528.2
172.5°	514.0	516.3	517.5	517.8	519.6	518.1	517.0
175°	503.3	505.2	505.2	505.2	506.3	504.2	503.3
177.5°	498.6	498.6	498.6	497.8	498.6	496.2	496.2
180°	496.2	496.2	496.2	496.2	496.2	496.2	496.2

(END OF REPORT)