

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: P333063-940

Luminaire Tested: **S124RDIW-S795D1050U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333063-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S795D1050U940-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6715.4 lumens
Efficiency: N/A
Efficacy: 127.7 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: General Diffuse

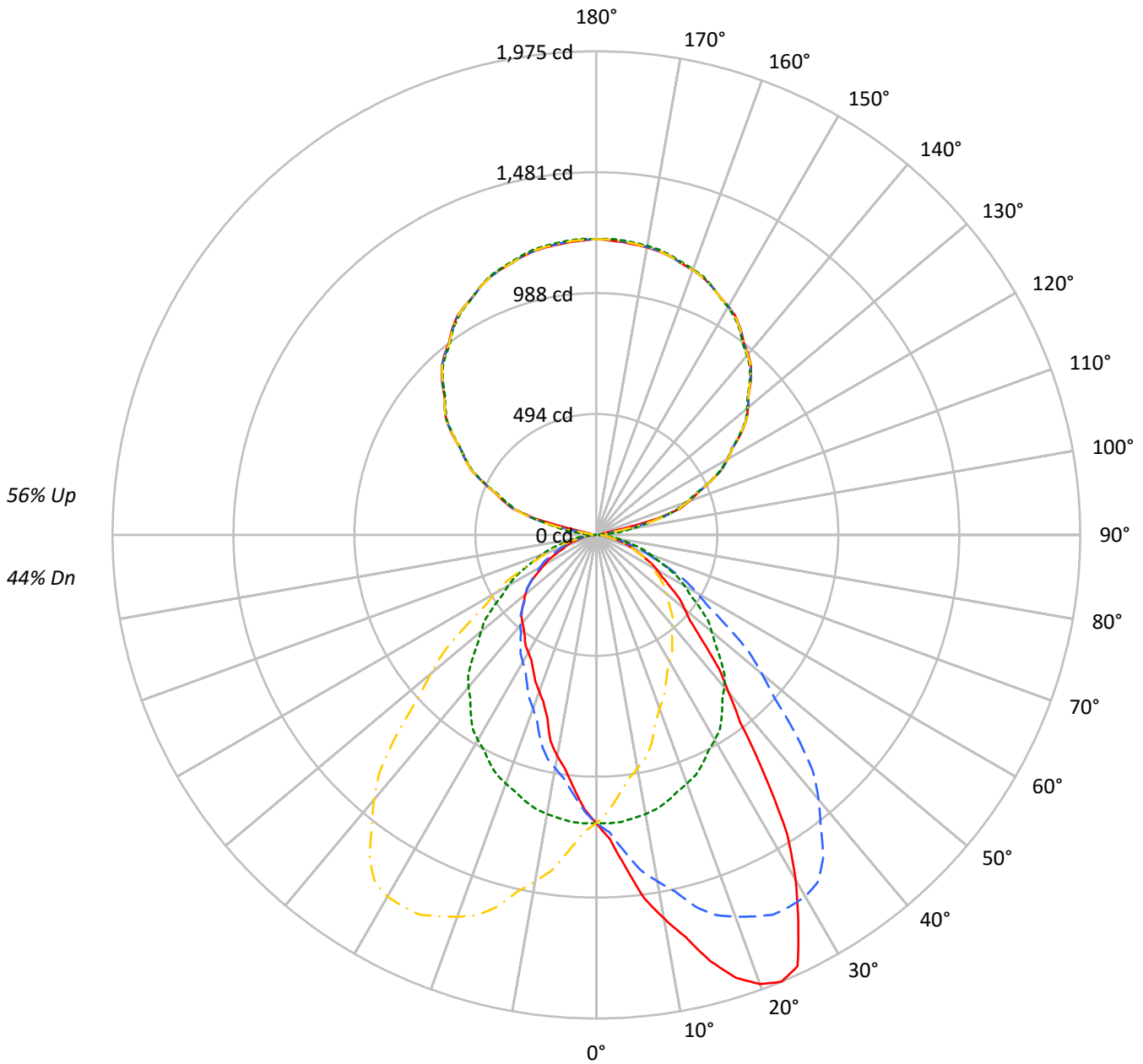
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	81	76	71	81	75	70	66	63	59	56	51	49	46	41	39	37	33
3	81	72	65	59	74	66	60	55	56	51	47	46	42	40	36	34	32	28
4	74	64	56	50	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	35	29	50	39	32	28	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	36	29	25	30	25	22	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	19	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	1.7
10°-20°	344.0	5.1
20°-30°	538.1	8.0
30°-40°	598.2	8.9
40°-50°	530.7	7.9
50°-60°	413.6	6.2
60°-70°	270.8	4.0
70°-80°	133.1	2.0
80°-90°	36.4	0.5
90°-100°	41.3	0.6
100°-110°	263.4	3.9
110°-120°	503.9	7.5
120°-130°	639.7	9.5
130°-140°	684.4	10.2
140°-150°	640.0	9.5
150°-160°	516.1	7.7
160°-170°	332.9	5.0
170°-180°	114.7	1.7
0°-30°	996.2	14.8
0°-40°	1594.3	23.7
0°-60°	2538.6	37.8
0°-90°	2978.9	44.4
90°-120°	808.6	12.0
90°-150°	2772.8	41.3
90°-180°	3737.0	55.6
0°-180°	6715.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	27
90°	27	3	27	3	27	13
95°	26	50	26	50	26	21
105°	258	272	258	272	258	225
115°	511	508	511	508	511	506
125°	719	714	719	714	719	640
135°	892	885	892	885	892	686
145°	1026	1021	1026	1021	1026	641
155°	1118	1119	1118	1119	1118	516
165°	1175	1181	1175	1181	1175	332
175°	1201	1208	1201	1208	1201	114
180°	1208	1208	1208	1208	1208	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	13.7	13.3	13.6	13.6	13.8	13.3	13.5	13.9	12.9	13.1	12.8
90°	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3	21.0	19.9	18.3
92.5°	25.0	24.9	24.8	24.7	24.6	24.0	22.7	21.6	20.3	19.2	17.6
95°	26.2	26.0	25.8	25.6	25.4	24.7	23.5	22.3	21.0	19.9	19.7
97.5°	25.3	25.1	24.9	24.7	24.5	24.3	24.3	24.1	24.0	23.8	46.3
100°	25.3	25.1	24.9	24.7	24.5	26.1	29.5	32.9	36.4	39.8	67.5
102.5°	26.0	25.9	25.9	25.9	25.9	44.2	81.1	117.9	154.7	191.5	195.1
105°	257.5	264.7	272.0	279.2	286.4	289.1	287.3	285.5	283.7	281.9	280.9
107.5°	358.8	358.1	357.3	356.6	355.8	355.0	354.1	353.2	352.3	351.4	350.1
110°	403.0	402.3	401.7	401.2	400.6	400.0	399.7	399.2	398.9	398.4	397.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	447.0	446.3	445.5	444.8	444.0	443.6	443.7	443.8	443.9	444.0	443.4
115°	511.4	511.4	511.4	511.4	511.4	511.1	510.8	510.3	510.0	509.5	509.8
117.5°	576.8	576.8	576.9	577.0	577.1	577.2	577.3	577.3	577.4	577.5	577.0
120°	618.0	618.4	618.8	619.2	619.6	619.6	619.2	618.8	618.4	618.0	618.1
122.5°	658.4	658.9	659.2	659.7	660.0	660.1	659.9	659.7	659.4	659.2	658.9
125°	719.2	719.0	718.7	718.5	718.4	717.9	717.4	716.8	716.1	715.5	716.0
127.5°	772.5	772.6	772.8	772.9	773.1	773.2	773.4	773.5	773.6	773.7	772.8
130°	808.6	808.6	808.6	808.6	808.6	808.5	808.3	808.1	807.9	807.7	807.1
132.5°	841.9	842.0	842.1	842.3	842.5	842.5	842.3	842.0	841.9	841.7	840.9
135°	891.7	891.4	890.9	890.6	890.1	889.7	889.3	888.9	888.5	888.1	887.3
137.5°	934.3	934.5	934.6	934.7	934.9	934.7	934.2	933.8	933.4	932.9	932.0
140°	964.0	963.8	963.6	963.4	963.2	962.8	962.2	961.6	961.0	960.4	960.0
142.5°	988.6	988.6	988.5	988.5	988.4	988.2	987.7	987.3	986.9	986.4	986.1
145°	1026.4	1025.9	1025.6	1025.1	1024.8	1024.4	1024.2	1024.0	1023.9	1023.6	1023.6
147.5°	1057.6	1057.4	1057.2	1057.0	1056.8	1056.6	1056.4	1056.3	1056.1	1056.0	1056.1
150°	1077.8	1077.6	1077.5	1077.2	1077.0	1076.9	1076.9	1076.9	1076.9	1076.9	1077.1
152.5°	1095.2	1095.3	1095.4	1095.6	1095.6	1095.6	1095.2	1094.9	1094.6	1094.3	1094.7
155°	1118.5	1119.1	1119.7	1120.3	1120.9	1120.8	1120.0	1119.2	1118.4	1117.6	1118.2
157.5°	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2	1141.1	1140.1	1139.1	1138.0	1138.7
160°	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8	1154.6	1153.4	1152.2	1151.0	1151.2
162.5°	1161.1	1162.5	1163.9	1165.2	1166.6	1166.6	1165.5	1164.2	1163.1	1161.8	1162.1
165°	1175.4	1177.2	1179.0	1180.8	1182.6	1182.8	1181.2	1179.6	1177.9	1176.3	1176.3
167.5°	1186.1	1188.1	1190.1	1192.1	1194.1	1194.2	1192.5	1190.7	1188.9	1187.1	1187.3
170°	1192.6	1194.5	1196.6	1198.5	1200.6	1200.8	1199.2	1197.6	1196.0	1194.4	1194.2
172.5°	1196.1	1198.4	1200.5	1202.7	1204.9	1205.1	1203.5	1201.9	1200.3	1198.7	1198.5
175°	1200.7	1203.1	1205.5	1207.9	1210.3	1210.7	1208.8	1207.0	1205.2	1203.5	1203.2
177.5°	1203.6	1205.5	1207.5	1209.3	1211.3	1211.7	1210.3	1209.1	1207.7	1206.5	1206.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	12.4	11.8	12.2	11.8	11.8	12.8	13.5	13.5	12.8	12.0	11.3
90°	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7	4.9	7.1	9.4
92.5°	16.0	14.4	12.8	11.9	11.8	11.6	11.5	11.4	11.5	11.6	11.8
95°	19.4	19.3	19.1	22.4	29.2	36.0	42.9	49.7	42.9	36.0	29.2
97.5°	68.7	91.0	113.5	122.5	118.3	114.0	109.8	105.5	109.8	114.0	118.3
100°	95.1	122.9	150.6	162.6	159.0	155.4	151.8	148.2	151.8	155.4	159.0
102.5°	198.8	202.4	206.0	206.4	203.8	201.2	198.5	195.9	198.5	201.2	203.8
105°	279.9	278.8	277.9	276.8	275.5	274.4	273.1	272.0	273.1	274.4	275.5
107.5°	348.7	347.3	346.0	345.0	344.4	343.8	343.2	342.6	343.2	343.8	344.4
110°	396.0	394.8	393.6	392.7	392.1	391.5	390.9	390.3	390.9	391.5	392.1



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	442.8	442.3	441.8	440.9	439.8	438.7	437.7	436.6	437.7	438.7	439.8
115°	510.0	510.1	510.3	510.1	509.5	509.0	508.4	507.7	508.4	509.0	509.5
117.5°	576.6	576.1	575.7	575.1	574.3	573.5	572.7	571.9	572.7	573.5	574.3
120°	618.4	618.6	618.8	618.5	617.7	616.9	616.1	615.3	616.1	616.9	617.7
122.5°	658.6	658.4	658.1	657.6	657.2	656.7	656.2	655.8	656.2	656.7	657.2
125°	716.3	716.8	717.1	716.9	716.1	715.3	714.5	713.7	714.5	715.3	716.1
127.5°	771.9	771.0	770.0	769.5	769.3	769.1	768.8	768.7	768.8	769.1	769.3
130°	806.5	805.9	805.3	804.9	804.7	804.5	804.3	804.1	804.3	804.5	804.7
132.5°	840.2	839.4	838.7	838.0	837.7	837.3	837.0	836.6	837.0	837.3	837.7
135°	886.5	885.7	884.9	884.6	884.8	885.0	885.2	885.4	885.2	885.0	884.8
137.5°	931.1	930.2	929.3	928.9	928.8	928.7	928.6	928.5	928.6	928.7	928.8
140°	959.6	959.2	958.8	958.4	958.0	957.6	957.2	956.8	957.2	957.6	958.0
142.5°	985.9	985.7	985.4	985.0	984.3	983.5	982.8	982.0	982.8	983.5	984.3
145°	1023.6	1023.6	1023.6	1023.3	1022.7	1022.1	1021.5	1020.9	1021.5	1022.1	1022.7
147.5°	1056.4	1056.6	1056.8	1056.3	1055.2	1054.1	1052.9	1051.8	1052.9	1054.1	1055.2
150°	1077.4	1077.5	1077.7	1077.5	1076.7	1075.8	1075.0	1074.2	1075.0	1075.8	1076.7
152.5°	1095.0	1095.4	1095.7	1095.6	1094.9	1094.3	1093.7	1093.0	1093.7	1094.3	1094.9
155°	1118.8	1119.4	1120.0	1120.2	1120.0	1119.8	1119.6	1119.4	1119.6	1119.8	1120.0
157.5°	1139.3	1140.1	1140.8	1141.1	1141.2	1141.4	1141.5	1141.7	1141.5	1141.4	1141.2
160°	1151.4	1151.6	1151.8	1152.2	1152.8	1153.4	1154.1	1154.6	1154.1	1153.4	1152.8
162.5°	1162.3	1162.4	1162.6	1163.1	1163.9	1164.7	1165.5	1166.2	1165.5	1164.7	1163.9
165°	1176.3	1176.3	1176.3	1176.8	1177.8	1178.8	1179.8	1180.8	1179.8	1178.8	1177.8
167.5°	1187.4	1187.5	1187.7	1188.2	1189.3	1190.3	1191.3	1192.4	1191.3	1190.3	1189.3
170°	1194.0	1193.7	1193.6	1194.1	1195.2	1196.5	1197.7	1198.9	1197.7	1196.5	1195.2
172.5°	1198.3	1198.1	1197.9	1198.4	1199.6	1200.8	1202.0	1203.2	1202.0	1200.8	1199.6
175°	1203.0	1202.8	1202.7	1203.1	1204.3	1205.5	1206.8	1207.9	1206.8	1205.5	1204.3
177.5°	1205.9	1205.5	1205.2	1205.6	1206.8	1207.8	1209.0	1210.1	1209.0	1207.8	1206.8
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	11.8	11.8	12.1	11.7	12.4	12.7	12.6	12.8	13.5	12.9	13.1
90°	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3	23.5	24.7	25.5
92.5°	11.9	12.8	14.4	16.0	17.6	19.2	20.3	21.6	22.7	24.0	24.6
95°	22.4	19.1	19.3	19.4	19.7	19.9	21.0	22.3	23.5	24.7	25.4
97.5°	122.5	113.5	91.0	68.7	46.3	23.8	24.0	24.1	24.3	24.3	24.5
100°	162.6	150.6	122.9	95.1	67.5	39.8	36.4	32.9	29.5	26.1	24.5
102.5°	206.4	206.0	202.4	198.8	195.1	191.5	154.7	117.9	81.1	44.2	25.9
105°	276.8	277.9	278.8	279.9	280.9	281.9	283.7	285.5	287.3	289.1	286.4
107.5°	345.0	346.0	347.3	348.7	350.1	351.4	352.3	353.2	354.1	355.0	355.8
110°	392.7	393.6	394.8	396.0	397.3	398.4	398.9	399.2	399.7	400.0	400.6



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	440.9	441.8	442.3	442.8	443.4	444.0	443.9	443.8	443.7	443.6	444.0
115°	510.1	510.3	510.1	510.0	509.8	509.5	510.0	510.3	510.8	511.1	511.4
117.5°	575.1	575.7	576.1	576.6	577.0	577.5	577.4	577.3	577.3	577.2	577.1
120°	618.5	618.8	618.6	618.4	618.1	618.0	618.4	618.8	619.2	619.6	619.6
122.5°	657.6	658.1	658.4	658.6	658.9	659.2	659.4	659.7	659.9	660.1	660.0
125°	716.9	717.1	716.8	716.3	716.0	715.5	716.1	716.8	717.4	717.9	718.4
127.5°	769.5	770.0	771.0	771.9	772.8	773.7	773.6	773.5	773.4	773.2	773.1
130°	804.9	805.3	805.9	806.5	807.1	807.7	807.9	808.1	808.3	808.5	808.6
132.5°	838.0	838.7	839.4	840.2	840.9	841.7	841.9	842.0	842.3	842.5	842.5
135°	884.6	884.9	885.7	886.5	887.3	888.1	888.5	888.9	889.3	889.7	890.1
137.5°	928.9	929.3	930.2	931.1	932.0	932.9	933.4	933.8	934.2	934.7	934.9
140°	958.4	958.8	959.2	959.6	960.0	960.4	961.0	961.6	962.2	962.8	963.2
142.5°	985.0	985.4	985.7	985.9	986.1	986.4	986.9	987.3	987.7	988.2	988.4
145°	1023.3	1023.6	1023.6	1023.6	1023.6	1023.6	1023.9	1024.0	1024.2	1024.4	1024.8
147.5°	1056.3	1056.8	1056.6	1056.4	1056.1	1056.0	1056.1	1056.3	1056.4	1056.6	1056.8
150°	1077.5	1077.7	1077.5	1077.4	1077.1	1076.9	1076.9	1076.9	1076.9	1076.9	1077.0
152.5°	1095.6	1095.7	1095.4	1095.0	1094.7	1094.3	1094.6	1094.9	1095.2	1095.6	1095.6
155°	1120.2	1120.0	1119.4	1118.8	1118.2	1117.6	1118.4	1119.2	1120.0	1120.8	1120.9
157.5°	1141.1	1140.8	1140.1	1139.3	1138.7	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2
160°	1152.2	1151.8	1151.6	1151.4	1151.2	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8
162.5°	1163.1	1162.6	1162.4	1162.3	1162.1	1161.8	1163.1	1164.2	1165.5	1166.6	1166.6
165°	1176.8	1176.3	1176.3	1176.3	1176.3	1176.3	1177.9	1179.6	1181.2	1182.8	1182.6
167.5°	1188.2	1187.7	1187.5	1187.4	1187.3	1187.1	1188.9	1190.7	1192.5	1194.2	1194.1
170°	1194.1	1193.6	1193.7	1194.0	1194.2	1194.4	1196.0	1197.6	1199.2	1200.8	1200.6
172.5°	1198.4	1197.9	1198.1	1198.3	1198.5	1198.7	1200.3	1201.9	1203.5	1205.1	1204.9
175°	1203.1	1202.7	1202.8	1203.0	1203.2	1203.5	1205.2	1207.0	1208.8	1210.7	1210.3
177.5°	1205.6	1205.2	1205.5	1205.9	1206.1	1206.5	1207.7	1209.1	1210.3	1211.7	1211.3
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	13.9	13.6	13.3	13.7	13.3	13.6	13.9	13.1	12.9	13.5	12.8
90°	25.9	26.3	26.7	27.1	26.7	26.3	25.9	25.5	24.7	23.5	22.3
92.5°	24.7	24.8	24.9	25.0	24.9	24.8	24.7	24.6	24.0	22.7	21.6
95°	25.6	25.8	26.0	26.2	26.0	25.8	25.6	25.4	24.7	23.5	22.3
97.5°	24.7	24.9	25.1	25.3	25.1	24.9	24.7	24.5	24.3	24.3	24.1
100°	24.7	24.9	25.1	25.3	25.1	24.9	24.7	24.5	26.1	29.5	32.9
102.5°	25.9	25.9	25.9	26.0	25.9	25.9	25.9	25.9	44.2	81.1	117.9
105°	279.2	272.0	264.7	257.5	264.7	272.0	279.2	286.4	289.1	287.3	285.5
107.5°	356.6	357.3	358.1	358.8	358.1	357.3	356.6	355.8	355.0	354.1	353.2
110°	401.2	401.7	402.3	403.0	402.3	401.7	401.2	400.6	400.0	399.7	399.2



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	444.8	445.5	446.3	447.0	446.3	445.5	444.8	444.0	443.6	443.7	443.8
115°	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.1	510.8	510.3
117.5°	577.0	576.9	576.8	576.8	576.8	576.9	577.0	577.1	577.2	577.3	577.3
120°	619.2	618.8	618.4	618.0	618.4	618.8	619.2	619.6	619.6	619.2	618.8
122.5°	659.7	659.2	658.9	658.4	658.9	659.2	659.7	660.0	660.1	659.9	659.7
125°	718.5	718.7	719.0	719.2	719.0	718.7	718.5	718.4	717.9	717.4	716.8
127.5°	772.9	772.8	772.6	772.5	772.6	772.8	772.9	773.1	773.2	773.4	773.5
130°	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.5	808.3	808.1
132.5°	842.3	842.1	842.0	841.9	842.0	842.1	842.3	842.5	842.5	842.3	842.0
135°	890.6	890.9	891.4	891.7	891.4	890.9	890.6	890.1	889.7	889.3	888.9
137.5°	934.7	934.6	934.5	934.3	934.5	934.6	934.7	934.9	934.7	934.2	933.8
140°	963.4	963.6	963.8	964.0	963.8	963.6	963.4	963.2	962.8	962.2	961.6
142.5°	988.5	988.5	988.6	988.6	988.6	988.5	988.5	988.4	988.2	987.7	987.3
145°	1025.1	1025.6	1025.9	1026.4	1025.9	1025.6	1025.1	1024.8	1024.4	1024.2	1024.0
147.5°	1057.0	1057.2	1057.4	1057.6	1057.4	1057.2	1057.0	1056.8	1056.6	1056.4	1056.3
150°	1077.2	1077.5	1077.6	1077.8	1077.6	1077.5	1077.2	1077.0	1076.9	1076.9	1076.9
152.5°	1095.6	1095.4	1095.3	1095.2	1095.3	1095.4	1095.6	1095.6	1095.6	1095.2	1094.9
155°	1120.3	1119.7	1119.1	1118.5	1119.1	1119.7	1120.3	1120.9	1120.8	1120.0	1119.2
157.5°	1141.1	1140.1	1139.1	1138.0	1139.1	1140.1	1141.1	1142.2	1142.2	1141.1	1140.1
160°	1154.6	1153.4	1152.2	1151.0	1152.2	1153.4	1154.6	1155.8	1155.8	1154.6	1153.4
162.5°	1165.2	1163.9	1162.5	1161.1	1162.5	1163.9	1165.2	1166.6	1166.6	1165.5	1164.2
165°	1180.8	1179.0	1177.2	1175.4	1177.2	1179.0	1180.8	1182.6	1182.8	1181.2	1179.6
167.5°	1192.1	1190.1	1188.1	1186.1	1188.1	1190.1	1192.1	1194.1	1194.2	1192.5	1190.7
170°	1198.5	1196.6	1194.5	1192.6	1194.5	1196.6	1198.5	1200.6	1200.8	1199.2	1197.6
172.5°	1202.7	1200.5	1198.4	1196.1	1198.4	1200.5	1202.7	1204.9	1205.1	1203.5	1201.9
175°	1207.9	1205.5	1203.1	1200.7	1203.1	1205.5	1207.9	1210.3	1210.7	1208.8	1207.0
177.5°	1209.3	1207.5	1205.5	1203.6	1205.5	1207.5	1209.3	1211.3	1211.7	1210.3	1209.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P333063-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	12.6	12.7	12.4	11.7	12.1	11.8	11.8	11.3	12.0	12.8	13.5
90°	21.0	19.9	18.3	16.7	15.1	13.5	11.5	9.4	7.1	4.9	2.7
92.5°	20.3	19.2	17.6	16.0	14.4	12.8	11.9	11.8	11.6	11.5	11.4
95°	21.0	19.9	19.7	19.4	19.3	19.1	22.4	29.2	36.0	42.9	49.7
97.5°	24.0	23.8	46.3	68.7	91.0	113.5	122.5	118.3	114.0	109.8	105.5
100°	36.4	39.8	67.5	95.1	122.9	150.6	162.6	159.0	155.4	151.8	148.2
102.5°	154.7	191.5	195.1	198.8	202.4	206.0	206.4	203.8	201.2	198.5	195.9
105°	283.7	281.9	280.9	279.9	278.8	277.9	276.8	275.5	274.4	273.1	272.0
107.5°	352.3	351.4	350.1	348.7	347.3	346.0	345.0	344.4	343.8	343.2	342.6
110°	398.9	398.4	397.3	396.0	394.8	393.6	392.7	392.1	391.5	390.9	390.3



TEST NUMBER: P333063-940

CATALOG NUMBER: S124RDIW-S795D1050U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	443.9	444.0	443.4	442.8	442.3	441.8	440.9	439.8	438.7	437.7	436.6
115°	510.0	509.5	509.8	510.0	510.1	510.3	510.1	509.5	509.0	508.4	507.7
117.5°	577.4	577.5	577.0	576.6	576.1	575.7	575.1	574.3	573.5	572.7	571.9
120°	618.4	618.0	618.1	618.4	618.6	618.8	618.5	617.7	616.9	616.1	615.3
122.5°	659.4	659.2	658.9	658.6	658.4	658.1	657.6	657.2	656.7	656.2	655.8
125°	716.1	715.5	716.0	716.3	716.8	717.1	716.9	716.1	715.3	714.5	713.7
127.5°	773.6	773.7	772.8	771.9	771.0	770.0	769.5	769.3	769.1	768.8	768.7
130°	807.9	807.7	807.1	806.5	805.9	805.3	804.9	804.7	804.5	804.3	804.1
132.5°	841.9	841.7	840.9	840.2	839.4	838.7	838.0	837.7	837.3	837.0	836.6
135°	888.5	888.1	887.3	886.5	885.7	884.9	884.6	884.8	885.0	885.2	885.4
137.5°	933.4	932.9	932.0	931.1	930.2	929.3	928.9	928.8	928.7	928.6	928.5
140°	961.0	960.4	960.0	959.6	959.2	958.8	958.4	958.0	957.6	957.2	956.8
142.5°	986.9	986.4	986.1	985.9	985.7	985.4	985.0	984.3	983.5	982.8	982.0
145°	1023.9	1023.6	1023.6	1023.6	1023.6	1023.6	1023.3	1022.7	1022.1	1021.5	1020.9
147.5°	1056.1	1056.0	1056.1	1056.4	1056.6	1056.8	1056.3	1055.2	1054.1	1052.9	1051.8
150°	1076.9	1076.9	1077.1	1077.4	1077.5	1077.7	1077.5	1076.7	1075.8	1075.0	1074.2
152.5°	1094.6	1094.3	1094.7	1095.0	1095.4	1095.7	1095.6	1094.9	1094.3	1093.7	1093.0
155°	1118.4	1117.6	1118.2	1118.8	1119.4	1120.0	1120.2	1120.0	1119.8	1119.6	1119.4
157.5°	1139.1	1138.0	1138.7	1139.3	1140.1	1140.8	1141.1	1141.2	1141.4	1141.5	1141.7
160°	1152.2	1151.0	1151.2	1151.4	1151.6	1151.8	1152.2	1152.8	1153.4	1154.1	1154.6
162.5°	1163.1	1161.8	1162.1	1162.3	1162.4	1162.6	1163.1	1163.9	1164.7	1165.5	1166.2
165°	1177.9	1176.3	1176.3	1176.3	1176.3	1176.3	1176.8	1177.8	1178.8	1179.8	1180.8
167.5°	1188.9	1187.1	1187.3	1187.4	1187.5	1187.7	1188.2	1189.3	1190.3	1191.3	1192.4
170°	1196.0	1194.4	1194.2	1194.0	1193.7	1193.6	1194.1	1195.2	1196.5	1197.7	1198.9
172.5°	1200.3	1198.7	1198.5	1198.3	1198.1	1197.9	1198.4	1199.6	1200.8	1202.0	1203.2
175°	1205.2	1203.5	1203.2	1203.0	1202.8	1202.7	1203.1	1204.3	1205.5	1206.8	1207.9
177.5°	1207.7	1206.5	1206.1	1205.9	1205.5	1205.2	1205.6	1206.8	1207.8	1209.0	1210.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



TEST NUMBER: P333063-940

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	13.5	12.8	11.8	11.8	12.2	11.8	12.4	12.8	13.1	12.9	13.9
90°	4.9	7.1	9.4	11.5	13.5	15.1	16.7	18.3	19.9	21.0	22.3
92.5°	11.5	11.6	11.8	11.9	12.8	14.4	16.0	17.6	19.2	20.3	21.6
95°	42.9	36.0	29.2	22.4	19.1	19.3	19.4	19.7	19.9	21.0	22.3
97.5°	109.8	114.0	118.3	122.5	113.5	91.0	68.7	46.3	23.8	24.0	24.1
100°	151.8	155.4	159.0	162.6	150.6	122.9	95.1	67.5	39.8	36.4	32.9
102.5°	198.5	201.2	203.8	206.4	206.0	202.4	198.8	195.1	191.5	154.7	117.9
105°	273.1	274.4	275.5	276.8	277.9	278.8	279.9	280.9	281.9	283.7	285.5
107.5°	343.2	343.8	344.4	345.0	346.0	347.3	348.7	350.1	351.4	352.3	353.2
110°	390.9	391.5	392.1	392.7	393.6	394.8	396.0	397.3	398.4	398.9	399.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	437.7	438.7	439.8	440.9	441.8	442.3	442.8	443.4	444.0	443.9	443.8
115°	508.4	509.0	509.5	510.1	510.3	510.1	510.0	509.8	509.5	510.0	510.3
117.5°	572.7	573.5	574.3	575.1	575.7	576.1	576.6	577.0	577.5	577.4	577.3
120°	616.1	616.9	617.7	618.5	618.8	618.6	618.4	618.1	618.0	618.4	618.8
122.5°	656.2	656.7	657.2	657.6	658.1	658.4	658.6	658.9	659.2	659.4	659.7
125°	714.5	715.3	716.1	716.9	717.1	716.8	716.3	716.0	715.5	716.1	716.8
127.5°	768.8	769.1	769.3	769.5	770.0	771.0	771.9	772.8	773.7	773.6	773.5
130°	804.3	804.5	804.7	804.9	805.3	805.9	806.5	807.1	807.7	807.9	808.1
132.5°	837.0	837.3	837.7	838.0	838.7	839.4	840.2	840.9	841.7	841.9	842.0
135°	885.2	885.0	884.8	884.6	884.9	885.7	886.5	887.3	888.1	888.5	888.9
137.5°	928.6	928.7	928.8	928.9	929.3	930.2	931.1	932.0	932.9	933.4	933.8
140°	957.2	957.6	958.0	958.4	958.8	959.2	959.6	960.0	960.4	961.0	961.6
142.5°	982.8	983.5	984.3	985.0	985.4	985.7	985.9	986.1	986.4	986.9	987.3
145°	1021.5	1022.1	1022.7	1023.3	1023.6	1023.6	1023.6	1023.6	1023.6	1023.9	1024.0
147.5°	1052.9	1054.1	1055.2	1056.3	1056.8	1056.6	1056.4	1056.1	1056.0	1056.1	1056.3
150°	1075.0	1075.8	1076.7	1077.5	1077.7	1077.5	1077.4	1077.1	1076.9	1076.9	1076.9
152.5°	1093.7	1094.3	1094.9	1095.6	1095.7	1095.4	1095.0	1094.7	1094.3	1094.6	1094.9
155°	1119.6	1119.8	1120.0	1120.2	1120.0	1119.4	1118.8	1118.2	1117.6	1118.4	1119.2
157.5°	1141.5	1141.4	1141.2	1141.1	1140.8	1140.1	1139.3	1138.7	1138.0	1139.1	1140.1
160°	1154.1	1153.4	1152.8	1152.2	1151.8	1151.6	1151.4	1151.2	1151.0	1152.2	1153.4
162.5°	1165.5	1164.7	1163.9	1163.1	1162.6	1162.4	1162.3	1162.1	1161.8	1163.1	1164.2
165°	1179.8	1178.8	1177.8	1176.8	1176.3	1176.3	1176.3	1176.3	1176.3	1177.9	1179.6
167.5°	1191.3	1190.3	1189.3	1188.2	1187.7	1187.5	1187.4	1187.3	1187.1	1188.9	1190.7
170°	1197.7	1196.5	1195.2	1194.1	1193.6	1193.7	1194.0	1194.2	1194.4	1196.0	1197.6
172.5°	1202.0	1200.8	1199.6	1198.4	1197.9	1198.1	1198.3	1198.5	1198.7	1200.3	1201.9
175°	1206.8	1205.5	1204.3	1203.1	1202.7	1202.8	1203.0	1203.2	1203.5	1205.2	1207.0
177.5°	1209.0	1207.8	1206.8	1205.6	1205.2	1205.5	1205.9	1206.1	1206.5	1207.7	1209.1
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	13.5	13.3	13.8	13.6	13.6	13.3	13.7
90°	23.5	24.7	25.5	25.9	26.3	26.7	27.1
92.5°	22.7	24.0	24.6	24.7	24.8	24.9	25.0
95°	23.5	24.7	25.4	25.6	25.8	26.0	26.2
97.5°	24.3	24.3	24.5	24.7	24.9	25.1	25.3
100°	29.5	26.1	24.5	24.7	24.9	25.1	25.3
102.5°	81.1	44.2	25.9	25.9	25.9	25.9	26.0
105°	287.3	289.1	286.4	279.2	272.0	264.7	257.5
107.5°	354.1	355.0	355.8	356.6	357.3	358.1	358.8
110°	399.7	400.0	400.6	401.2	401.7	402.3	403.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	443.7	443.6	444.0	444.8	445.5	446.3	447.0
115°	510.8	511.1	511.4	511.4	511.4	511.4	511.4
117.5°	577.3	577.2	577.1	577.0	576.9	576.8	576.8
120°	619.2	619.6	619.6	619.2	618.8	618.4	618.0
122.5°	659.9	660.1	660.0	659.7	659.2	658.9	658.4
125°	717.4	717.9	718.4	718.5	718.7	719.0	719.2
127.5°	773.4	773.2	773.1	772.9	772.8	772.6	772.5
130°	808.3	808.5	808.6	808.6	808.6	808.6	808.6
132.5°	842.3	842.5	842.5	842.3	842.1	842.0	841.9
135°	889.3	889.7	890.1	890.6	890.9	891.4	891.7
137.5°	934.2	934.7	934.9	934.7	934.6	934.5	934.3
140°	962.2	962.8	963.2	963.4	963.6	963.8	964.0
142.5°	987.7	988.2	988.4	988.5	988.5	988.6	988.6
145°	1024.2	1024.4	1024.8	1025.1	1025.6	1025.9	1026.4
147.5°	1056.4	1056.6	1056.8	1057.0	1057.2	1057.4	1057.6
150°	1076.9	1076.9	1077.0	1077.2	1077.5	1077.6	1077.8
152.5°	1095.2	1095.6	1095.6	1095.6	1095.4	1095.3	1095.2
155°	1120.0	1120.8	1120.9	1120.3	1119.7	1119.1	1118.5
157.5°	1141.1	1142.2	1142.2	1141.1	1140.1	1139.1	1138.0
160°	1154.6	1155.8	1155.8	1154.6	1153.4	1152.2	1151.0
162.5°	1165.5	1166.6	1166.6	1165.2	1163.9	1162.5	1161.1
165°	1181.2	1182.8	1182.6	1180.8	1179.0	1177.2	1175.4
167.5°	1192.5	1194.2	1194.1	1192.1	1190.1	1188.1	1186.1
170°	1199.2	1200.8	1200.6	1198.5	1196.6	1194.5	1192.6
172.5°	1203.5	1205.1	1204.9	1202.7	1200.5	1198.4	1196.1
175°	1208.8	1210.7	1210.3	1207.9	1205.5	1203.1	1200.7
177.5°	1210.3	1211.7	1211.3	1209.3	1207.5	1205.5	1203.6
180°	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9	1207.9

(END OF REPORT)