

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: P333677-830

Luminaire Tested: **S125RDIW-S610D1560U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333677-830
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-S610D1560U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7360.8 lumens
Efficiency: N/A
Efficacy: 121.5 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-Indirect

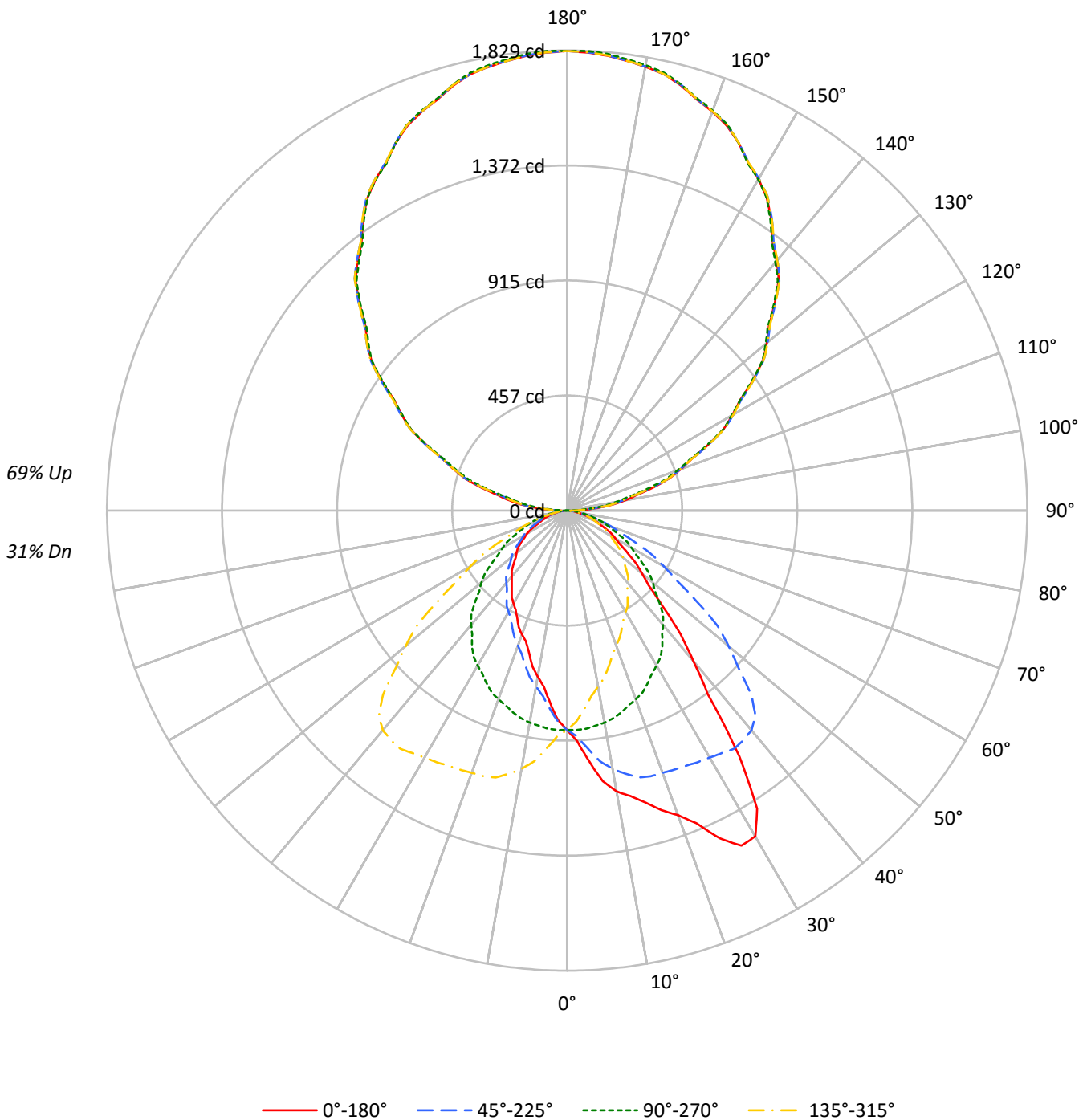
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33	26
2	86	79	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28	23
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	26	24	19
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	54	47	41	59	49	43	38	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	22	19	18	16	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	15	13	12	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	11	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.1
10°-20°	245.1	3.3
20°-30°	388.6	5.3
30°-40°	468.7	6.4
40°-50°	418.5	5.7
50°-60°	321.0	4.4
60°-70°	208.6	2.8
70°-80°	101.4	1.4
80°-90°	28.2	0.4
90°-100°	122.3	1.7
100°-110°	361.3	4.9
110°-120°	611.9	8.3
120°-130°	805.3	10.9
130°-140°	902.4	12.3
140°-150°	884.4	12.0
150°-160°	742.8	10.1
160°-170°	493.8	6.7
170°-180°	172.8	2.3
0°-30°	717.4	9.7
0°-40°	1186.0	16.1
0°-60°	1925.5	26.2
0°-90°	2263.7	30.8
90°-120°	1095.5	14.9
90°-150°	3687.7	50.1
90°-180°	5097.0	69.2
0°-180°	7360.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	34	1	34	1	34	20
95°	122	92	122	92	122	124
105°	352	324	352	324	352	373
115°	618	613	618	613	618	612
125°	900	894	900	894	900	803
135°	1167	1163	1167	1163	1167	900
145°	1414	1409	1414	1409	1414	883
155°	1612	1612	1612	1612	1612	742
165°	1748	1753	1748	1753	1748	493
175°	1815	1822	1815	1822	1815	172
180°	1827	1827	1827	1827	1827	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	13.1	12.6	12.2	12.0	12.1	12.4	11.8	11.2	10.8	10.6	10.4
90°	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9	24.3	22.7	20.5
92.5°	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7	56.6	54.6	51.8
95°	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9	111.7	109.4	106.3
97.5°	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4	176.3	174.3	169.9
100°	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2	220.4	217.4	213.4
102.5°	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2	266.1	263.0	260.9
105°	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6	341.7	339.8	337.8
107.5°	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8	422.8	421.9	420.5
110°	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6	478.5	477.6	476.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4	534.9	534.5	533.3
115°	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6	620.9	621.2	620.6
117.5°	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9	705.6	705.4	704.7
120°	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4	763.4	763.4	763.0
122.5°	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7	819.9	820.2	819.4
125°	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9	903.4	904.1	903.8
127.5°	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3	985.6	986.0	985.6
130°	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9	1040.2	1040.6	1039.9
132.5°	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2	1092.5	1092.9	1093.0
135°	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7	1172.7	1172.7	1172.4
137.5°	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1	1250.8	1250.4	1249.6
140°	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5	1299.9	1299.3	1298.4
142.5°	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9	1348.5	1348.1	1347.0
145°	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6	1418.6	1418.6	1417.7
147.5°	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3	1482.5	1481.8	1481.0
150°	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9	1523.9	1523.9	1522.6
152.5°	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8	1561.0	1560.3	1559.7
155°	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9	1614.7	1613.4	1613.1
157.5°	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8	1661.6	1660.3	1660.0
160°	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3	1690.0	1688.8	1688.5
162.5°	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0	1716.5	1714.9	1714.9
165°	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8	1752.6	1751.3	1751.0
167.5°	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4	1778.5	1776.6	1776.6
170°	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3	1794.4	1792.5	1792.5
172.5°	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7	1805.8	1803.9	1803.9
175°	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5	1818.5	1816.7	1816.7
177.5°	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3	1824.8	1823.3	1823.4
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	10.3	9.8	9.6	9.1	8.4	9.3	9.7	9.4	9.4	9.3	9.2
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4	36.2	38.0	39.7
95°	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4	93.0	93.7	94.3
97.5°	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5	153.7	154.0	154.3
100°	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0	199.0
102.5°	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9	249.2	250.4	251.7
105°	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1	325.6	327.3	328.9
107.5°	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2	409.8	411.4	413.0
110°	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3	467.9	469.4	471.0



TEST NUMBER: P333677-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4	526.2	527.1	527.8
115°	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7	614.0	615.2	616.4
117.5°	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2	700.8	701.3	701.9
120°	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8	756.4	758.0	759.6
122.5°	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0	814.5	815.1	815.7
125°	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1	896.0	898.0	899.8
127.5°	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4	980.5	981.6	982.6
130°	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6	1032.2	1033.8	1035.3
132.5°	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8	1084.4	1086.9	1089.6
135°	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8	1164.7	1166.6	1168.5
137.5°	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0	1240.9	1242.6	1244.4
140°	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9	1289.5	1291.0	1292.6
142.5°	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8	1338.1	1339.4	1340.8
145°	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7	1409.9	1411.3	1412.5
147.5°	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3	1475.9	1476.6	1477.3
150°	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6	1519.3	1519.0	1518.6
152.5°	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9	1556.4	1556.9	1557.3
155°	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0	1661.3	1660.7	1659.9
160°	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6	1690.6	1689.7	1688.8
162.5°	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8	1717.0	1716.4	1715.7
165°	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8	1752.1	1751.4	1750.9
167.5°	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3	1781.0	1779.8	1778.5
170°	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2	1797.0	1795.6	1794.4
172.5°	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6	1808.4	1807.0	1805.8
175°	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4	1821.1	1819.9	1818.5
177.5°	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9	1827.9	1826.9	1825.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333677-830

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	9.4	9.9	10.1	11.1	10.7	11.4	11.8	11.8	12.1	12.4	12.3
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9	27.5	29.0	30.3
92.5°	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7	60.8	63.0	64.3
95°	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9	116.1	118.3	119.7
97.5°	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4	180.5	182.6	183.9
100°	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2	226.0	228.8	230.6
102.5°	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2	272.3	275.3	277.4
105°	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6	345.4	347.3	348.7
107.5°	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8	424.7	425.7	426.1
110°	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6	480.5	481.5	481.7



TEST NUMBER: P333677-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4	535.8	536.2	536.2
115°	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6	620.3	619.9	619.6
117.5°	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9	706.2	706.3	705.9
120°	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4	763.4	763.4	762.7
122.5°	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7	819.4	819.2	818.6
125°	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9	902.2	901.5	901.1
127.5°	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3	985.1	984.7	984.2
130°	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9	1039.6	1039.2	1038.8
132.5°	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2	1091.9	1091.6	1091.0
135°	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7	1172.7	1172.7	1172.1
137.5°	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1	1251.5	1251.9	1251.3
140°	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5	1301.2	1301.7	1301.3
142.5°	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9	1349.2	1349.7	1349.1
145°	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6	1418.6	1418.6	1418.1
147.5°	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3	1484.0	1484.8	1484.1
150°	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9	1523.9	1523.9	1523.5
152.5°	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8	1562.5	1563.3	1563.1
155°	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9	1617.2	1618.4	1618.3
157.5°	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8	1664.2	1665.4	1665.0
160°	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3	1692.5	1693.8	1693.7
162.5°	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0	1719.5	1721.0	1720.8
165°	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8	1755.1	1756.3	1756.1
167.5°	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4	1782.3	1784.1	1784.1
170°	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3	1798.2	1800.1	1800.0
172.5°	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7	1809.6	1811.5	1811.5
175°	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5	1822.4	1824.3	1824.1
177.5°	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3	1827.8	1829.3	1829.2
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333677-830

CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	12.8	12.7	12.9	13.1	12.9	12.7	12.8	12.3	12.4	12.1	11.8
90°	31.3	32.2	33.2	34.1	33.2	32.2	31.3	30.3	29.0	27.5	25.9
92.5°	65.0	65.7	66.4	67.1	66.4	65.7	65.0	64.3	63.0	60.8	58.7
95°	120.4	121.0	121.6	122.2	121.6	121.0	120.4	119.7	118.3	116.1	113.9
97.5°	184.3	184.6	185.0	185.4	185.0	184.6	184.3	183.9	182.6	180.5	178.4
100°	231.2	231.9	232.5	233.1	232.5	231.9	231.2	230.6	228.8	226.0	223.2
102.5°	278.2	279.1	280.0	280.9	280.0	279.1	278.2	277.4	275.3	272.3	269.2
105°	349.7	350.6	351.6	352.5	351.6	350.6	349.7	348.7	347.3	345.4	343.6
107.5°	426.0	426.0	425.9	425.8	425.9	426.0	426.0	426.1	425.7	424.7	423.8
110°	481.5	481.1	480.8	480.5	480.8	481.1	481.5	481.7	481.5	480.5	479.6



TEST NUMBER: P333677-830

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	535.6	535.1	534.5	534.0	534.5	535.1	535.6	536.2	536.2	535.8	535.4
115°	619.3	619.0	618.7	618.4	618.7	619.0	619.3	619.6	619.9	620.3	620.6
117.5°	704.6	703.3	702.1	700.8	702.1	703.3	704.6	705.9	706.3	706.2	705.9
120°	761.5	760.2	758.9	757.7	758.9	760.2	761.5	762.7	763.4	763.4	763.4
122.5°	817.6	816.5	815.5	814.5	815.5	816.5	817.6	818.6	819.2	819.4	819.7
125°	900.8	900.4	900.1	899.8	900.1	900.4	900.8	901.1	901.5	902.2	902.9
127.5°	983.5	983.0	982.3	981.7	982.3	983.0	983.5	984.2	984.7	985.1	985.3
130°	1038.2	1037.6	1036.9	1036.3	1036.9	1037.6	1038.2	1038.8	1039.2	1039.6	1039.9
132.5°	1090.1	1089.2	1088.4	1087.4	1088.4	1089.2	1090.1	1091.0	1091.6	1091.9	1092.2
135°	1170.8	1169.6	1168.3	1167.1	1168.3	1169.6	1170.8	1172.1	1172.7	1172.7	1172.7
137.5°	1249.7	1248.1	1246.5	1244.9	1246.5	1248.1	1249.7	1251.3	1251.9	1251.5	1251.1
140°	1299.8	1298.2	1296.6	1295.0	1296.6	1298.2	1299.8	1301.3	1301.7	1301.2	1300.5
142.5°	1347.5	1346.0	1344.3	1342.7	1344.3	1346.0	1347.5	1349.1	1349.7	1349.2	1348.9
145°	1417.2	1416.3	1415.3	1414.4	1415.3	1416.3	1417.2	1418.1	1418.6	1418.6	1418.6
147.5°	1482.0	1479.8	1477.7	1475.6	1477.7	1479.8	1482.0	1484.1	1484.8	1484.0	1483.3
150°	1522.9	1522.3	1521.6	1521.0	1521.6	1522.3	1522.9	1523.5	1523.9	1523.9	1523.9
152.5°	1562.0	1560.9	1559.7	1558.6	1559.7	1560.9	1562.0	1563.1	1563.3	1562.5	1561.8
155°	1616.7	1615.1	1613.5	1612.0	1613.5	1615.1	1616.7	1618.3	1618.4	1617.2	1615.9
157.5°	1662.8	1660.8	1658.7	1656.6	1658.7	1660.8	1662.8	1665.0	1665.4	1664.2	1662.8
160°	1692.1	1690.5	1688.9	1687.3	1688.9	1690.5	1692.1	1693.7	1693.8	1692.5	1691.3
162.5°	1719.0	1717.1	1715.3	1713.4	1715.3	1717.1	1719.0	1720.8	1721.0	1719.5	1718.0
165°	1754.2	1752.3	1750.4	1748.4	1750.4	1752.3	1754.2	1756.1	1756.3	1755.1	1753.8
167.5°	1782.2	1780.3	1778.3	1776.3	1778.3	1780.3	1782.2	1784.1	1784.1	1782.3	1780.4
170°	1797.7	1795.5	1793.3	1791.1	1793.3	1795.5	1797.7	1800.0	1800.1	1798.2	1796.3
172.5°	1809.5	1807.5	1805.5	1803.6	1805.5	1807.5	1809.5	1811.5	1811.5	1809.6	1807.7
175°	1821.9	1819.7	1817.5	1815.2	1817.5	1819.7	1821.9	1824.1	1824.3	1822.4	1820.5
177.5°	1827.4	1825.6	1823.8	1822.1	1823.8	1825.6	1827.4	1829.2	1829.3	1827.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333677-830

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	11.8	11.4	10.7	11.1	10.1	9.9	9.4	9.2	9.3	9.4	9.4
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	56.6	54.6	51.8	49.1	46.5	43.7	41.5	39.7	38.0	36.2	34.4
95°	111.7	109.4	106.3	103.1	100.0	96.8	94.9	94.3	93.7	93.0	92.4
97.5°	176.3	174.3	169.9	165.6	161.2	156.8	154.6	154.3	154.0	153.7	153.5
100°	220.4	217.4	213.4	209.2	205.2	201.0	199.0	199.0	199.0	199.0	199.0
102.5°	266.1	263.0	260.9	258.8	256.7	254.7	253.0	251.7	250.4	249.2	247.9
105°	341.7	339.8	337.8	335.9	334.0	332.2	330.5	328.9	327.3	325.6	324.1
107.5°	422.8	421.9	420.5	419.0	417.5	416.1	414.5	413.0	411.4	409.8	408.2
110°	478.5	477.6	476.6	475.7	474.8	473.8	472.6	471.0	469.4	467.9	466.3



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CATALOG NUMBER: S125RDIW-S610D1560U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.9	534.5	533.3	532.1	530.8	529.7	528.7	527.8	527.1	526.2	525.4
115°	620.9	621.2	620.6	619.9	619.3	618.7	617.7	616.4	615.2	614.0	612.7
117.5°	705.6	705.4	704.7	704.2	703.6	703.0	702.5	701.9	701.3	700.8	700.2
120°	763.4	763.4	763.0	762.7	762.4	762.0	761.1	759.6	758.0	756.4	754.8
122.5°	819.9	820.2	819.4	818.6	817.7	816.9	816.2	815.7	815.1	814.5	814.0
125°	903.4	904.1	903.8	903.4	903.1	902.9	901.7	899.8	898.0	896.0	894.1
127.5°	985.6	986.0	985.6	985.2	984.9	984.5	983.7	982.6	981.6	980.5	979.4
130°	1040.2	1040.6	1039.9	1039.2	1038.7	1038.0	1036.9	1035.3	1033.8	1032.2	1030.6
132.5°	1092.5	1092.9	1093.0	1093.1	1093.3	1093.3	1092.1	1089.6	1086.9	1084.4	1081.8
135°	1172.7	1172.7	1172.4	1172.1	1171.8	1171.5	1170.4	1168.5	1166.6	1164.7	1162.8
137.5°	1250.8	1250.4	1249.6	1249.0	1248.3	1247.5	1246.3	1244.4	1242.6	1240.9	1239.0
140°	1299.9	1299.3	1298.4	1297.4	1296.4	1295.4	1294.2	1292.6	1291.0	1289.5	1287.9
142.5°	1348.5	1348.1	1347.0	1345.8	1344.5	1343.3	1342.1	1340.8	1339.4	1338.1	1336.8
145°	1418.6	1418.6	1417.7	1416.7	1415.8	1414.9	1413.8	1412.5	1411.3	1409.9	1408.7
147.5°	1482.5	1481.8	1481.0	1480.3	1479.5	1478.8	1478.0	1477.3	1476.6	1475.9	1475.3
150°	1523.9	1523.9	1522.6	1521.4	1520.0	1518.8	1518.3	1518.6	1519.0	1519.3	1519.6
152.5°	1561.0	1560.3	1559.7	1559.2	1558.8	1558.2	1557.7	1557.3	1556.9	1556.4	1555.9
155°	1614.7	1613.4	1613.1	1612.8	1612.5	1612.1	1612.0	1612.0	1612.0	1612.0	1612.0
157.5°	1661.6	1660.3	1660.0	1659.7	1659.3	1659.1	1659.3	1659.9	1660.7	1661.3	1662.0
160°	1690.0	1688.8	1688.5	1688.1	1687.8	1687.5	1687.8	1688.8	1689.7	1690.6	1691.6
162.5°	1716.5	1714.9	1714.9	1714.8	1714.7	1714.7	1715.0	1715.7	1716.4	1717.0	1717.8
165°	1752.6	1751.3	1751.0	1750.7	1750.4	1750.0	1750.2	1750.9	1751.4	1752.1	1752.8
167.5°	1778.5	1776.6	1776.6	1776.6	1776.6	1776.6	1777.3	1778.5	1779.8	1781.0	1782.3
170°	1794.4	1792.5	1792.5	1792.5	1792.5	1792.5	1793.2	1794.4	1795.6	1797.0	1798.2
172.5°	1805.8	1803.9	1803.9	1803.9	1803.9	1803.9	1804.5	1805.8	1807.0	1808.4	1809.6
175°	1818.5	1816.7	1816.7	1816.7	1816.7	1816.7	1817.3	1818.5	1819.9	1821.1	1822.4
177.5°	1824.8	1823.3	1823.4	1823.7	1824.0	1824.2	1824.9	1825.9	1826.9	1827.9	1828.9
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



TEST NUMBER: P333677-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.7	9.3	8.4	9.1	9.6	9.8	10.3	10.4	10.6	10.8	11.2
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.9
92.5°	36.2	38.0	39.7	41.5	43.7	46.5	49.1	51.8	54.6	56.6	58.7
95°	93.0	93.7	94.3	94.9	96.8	100.0	103.1	106.3	109.4	111.7	113.9
97.5°	153.7	154.0	154.3	154.6	156.8	161.2	165.6	169.9	174.3	176.3	178.4
100°	199.0	199.0	199.0	199.0	201.0	205.2	209.2	213.4	217.4	220.4	223.2
102.5°	249.2	250.4	251.7	253.0	254.7	256.7	258.8	260.9	263.0	266.1	269.2
105°	325.6	327.3	328.9	330.5	332.2	334.0	335.9	337.8	339.8	341.7	343.6
107.5°	409.8	411.4	413.0	414.5	416.1	417.5	419.0	420.5	421.9	422.8	423.8
110°	467.9	469.4	471.0	472.6	473.8	474.8	475.7	476.6	477.6	478.5	479.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	526.2	527.1	527.8	528.7	529.7	530.8	532.1	533.3	534.5	534.9	535.4
115°	614.0	615.2	616.4	617.7	618.7	619.3	619.9	620.6	621.2	620.9	620.6
117.5°	700.8	701.3	701.9	702.5	703.0	703.6	704.2	704.7	705.4	705.6	705.9
120°	756.4	758.0	759.6	761.1	762.0	762.4	762.7	763.0	763.4	763.4	763.4
122.5°	814.5	815.1	815.7	816.2	816.9	817.7	818.6	819.4	820.2	819.9	819.7
125°	896.0	898.0	899.8	901.7	902.9	903.1	903.4	903.8	904.1	903.4	902.9
127.5°	980.5	981.6	982.6	983.7	984.5	984.9	985.2	985.6	986.0	985.6	985.3
130°	1032.2	1033.8	1035.3	1036.9	1038.0	1038.7	1039.2	1039.9	1040.6	1040.2	1039.9
132.5°	1084.4	1086.9	1089.6	1092.1	1093.3	1093.3	1093.1	1093.0	1092.9	1092.5	1092.2
135°	1164.7	1166.6	1168.5	1170.4	1171.5	1171.8	1172.1	1172.4	1172.7	1172.7	1172.7
137.5°	1240.9	1242.6	1244.4	1246.3	1247.5	1248.3	1249.0	1249.6	1250.4	1250.8	1251.1
140°	1289.5	1291.0	1292.6	1294.2	1295.4	1296.4	1297.4	1298.4	1299.3	1299.9	1300.5
142.5°	1338.1	1339.4	1340.8	1342.1	1343.3	1344.5	1345.8	1347.0	1348.1	1348.5	1348.9
145°	1409.9	1411.3	1412.5	1413.8	1414.9	1415.8	1416.7	1417.7	1418.6	1418.6	1418.6
147.5°	1475.9	1476.6	1477.3	1478.0	1478.8	1479.5	1480.3	1481.0	1481.8	1482.5	1483.3
150°	1519.3	1519.0	1518.6	1518.3	1518.8	1520.0	1521.4	1522.6	1523.9	1523.9	1523.9
152.5°	1556.4	1556.9	1557.3	1557.7	1558.2	1558.8	1559.2	1559.7	1560.3	1561.0	1561.8
155°	1612.0	1612.0	1612.0	1612.0	1612.1	1612.5	1612.8	1613.1	1613.4	1614.7	1615.9
157.5°	1661.3	1660.7	1659.9	1659.3	1659.1	1659.3	1659.7	1660.0	1660.3	1661.6	1662.8
160°	1690.6	1689.7	1688.8	1687.8	1687.5	1687.8	1688.1	1688.5	1688.8	1690.0	1691.3
162.5°	1717.0	1716.4	1715.7	1715.0	1714.7	1714.7	1714.8	1714.9	1714.9	1716.5	1718.0
165°	1752.1	1751.4	1750.9	1750.2	1750.0	1750.4	1750.7	1751.0	1751.3	1752.6	1753.8
167.5°	1781.0	1779.8	1778.5	1777.3	1776.6	1776.6	1776.6	1776.6	1776.6	1778.5	1780.4
170°	1797.0	1795.6	1794.4	1793.2	1792.5	1792.5	1792.5	1792.5	1792.5	1794.4	1796.3
172.5°	1808.4	1807.0	1805.8	1804.5	1803.9	1803.9	1803.9	1803.9	1803.9	1805.8	1807.7
175°	1821.1	1819.9	1818.5	1817.3	1816.7	1816.7	1816.7	1816.7	1816.7	1818.5	1820.5
177.5°	1827.9	1826.9	1825.9	1824.9	1824.2	1824.0	1823.7	1823.4	1823.3	1824.8	1826.3
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	11.8	12.4	12.1	12.0	12.2	12.6	13.1
90°	27.5	29.0	30.3	31.3	32.2	33.2	34.1
92.5°	60.8	63.0	64.3	65.0	65.7	66.4	67.1
95°	116.1	118.3	119.7	120.4	121.0	121.6	122.2
97.5°	180.5	182.6	183.9	184.3	184.6	185.0	185.4
100°	226.0	228.8	230.6	231.2	231.9	232.5	233.1
102.5°	272.3	275.3	277.4	278.2	279.1	280.0	280.9
105°	345.4	347.3	348.7	349.7	350.6	351.6	352.5
107.5°	424.7	425.7	426.1	426.0	426.0	425.9	425.8
110°	480.5	481.5	481.7	481.5	481.1	480.8	480.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	535.8	536.2	536.2	535.6	535.1	534.5	534.0
115°	620.3	619.9	619.6	619.3	619.0	618.7	618.4
117.5°	706.2	706.3	705.9	704.6	703.3	702.1	700.8
120°	763.4	763.4	762.7	761.5	760.2	758.9	757.7
122.5°	819.4	819.2	818.6	817.6	816.5	815.5	814.5
125°	902.2	901.5	901.1	900.8	900.4	900.1	899.8
127.5°	985.1	984.7	984.2	983.5	983.0	982.3	981.7
130°	1039.6	1039.2	1038.8	1038.2	1037.6	1036.9	1036.3
132.5°	1091.9	1091.6	1091.0	1090.1	1089.2	1088.4	1087.4
135°	1172.7	1172.7	1172.1	1170.8	1169.6	1168.3	1167.1
137.5°	1251.5	1251.9	1251.3	1249.7	1248.1	1246.5	1244.9
140°	1301.2	1301.7	1301.3	1299.8	1298.2	1296.6	1295.0
142.5°	1349.2	1349.7	1349.1	1347.5	1346.0	1344.3	1342.7
145°	1418.6	1418.6	1418.1	1417.2	1416.3	1415.3	1414.4
147.5°	1484.0	1484.8	1484.1	1482.0	1479.8	1477.7	1475.6
150°	1523.9	1523.9	1523.5	1522.9	1522.3	1521.6	1521.0
152.5°	1562.5	1563.3	1563.1	1562.0	1560.9	1559.7	1558.6
155°	1617.2	1618.4	1618.3	1616.7	1615.1	1613.5	1612.0
157.5°	1664.2	1665.4	1665.0	1662.8	1660.8	1658.7	1656.6
160°	1692.5	1693.8	1693.7	1692.1	1690.5	1688.9	1687.3
162.5°	1719.5	1721.0	1720.8	1719.0	1717.1	1715.3	1713.4
165°	1755.1	1756.3	1756.1	1754.2	1752.3	1750.4	1748.4
167.5°	1782.3	1784.1	1784.1	1782.2	1780.3	1778.3	1776.3
170°	1798.2	1800.1	1800.0	1797.7	1795.5	1793.3	1791.1
172.5°	1809.6	1811.5	1811.5	1809.5	1807.5	1805.5	1803.6
175°	1822.4	1824.3	1824.1	1821.9	1819.7	1817.5	1815.2
177.5°	1827.8	1829.3	1829.2	1827.4	1825.6	1823.8	1822.1
180°	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6	1826.6

(END OF REPORT)