

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: P333395

Luminaire Tested: **S125DIW-S610D1560U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333395
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: S125DIW-S610D1560U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7937.6 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

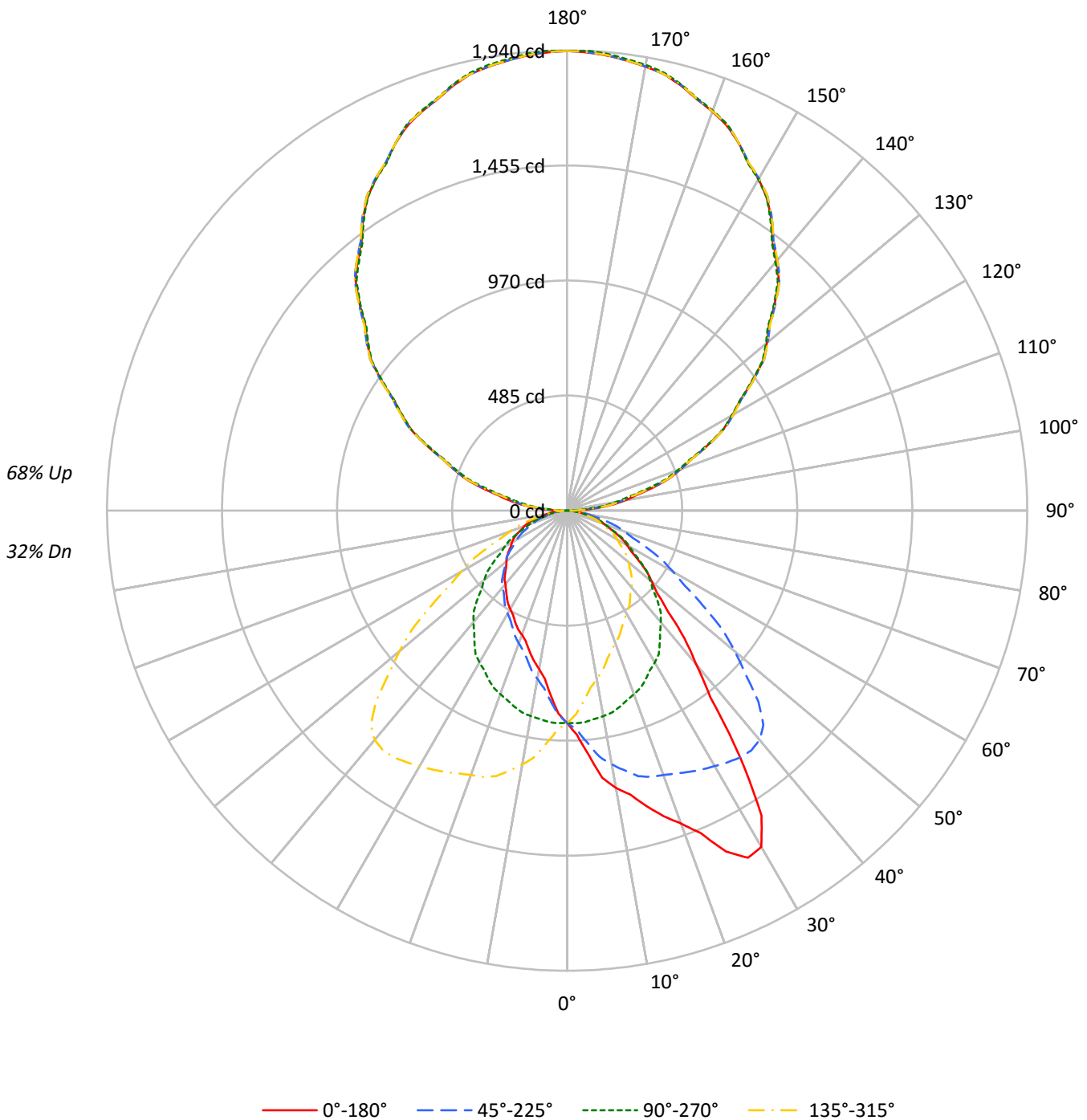
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	93	93	93	73	73	73	56	56	56	39	39	39	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	34	27
2	86	78	73	68	77	71	66	62	56	53	50	43	41	39	31	30	28	23
3	78	69	62	56	70	62	56	52	50	46	42	38	35	33	28	26	24	20
4	71	61	53	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	65	54	46	41	59	49	42	37	40	35	31	31	27	25	22	20	18	15
6	60	49	41	35	54	44	37	32	36	31	27	28	24	21	20	18	16	13
7	56	44	36	31	50	40	33	28	32	27	24	25	22	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	26	22	27	22	19	21	17	15	16	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5780	5780	5780	5780
5°	6694	5800	5078	5800
10°	7788	5770	4450	5770
15°	8620	5727	4105	5727
20°	9649	5660	3827	5660
25°	11305	5585	3693	5585
30°	12210	5510	3575	5510
35°	10039	5370	3498	5370
40°	7136	5176	3414	5176
45°	5482	4913	3366	4913
50°	4679	4588	3359	4588
55°	4166	4269	3388	4269
60°	3759	3920	3475	3920
65°	3472	3570	3564	3570
70°	3155	3206	3616	3206
75°	2787	2825	3583	2825
80°	2347	2302	3277	2302
85°	1860	1660	2645	1660



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.1
10°-20°	256.5	3.2
20°-30°	416.6	5.2
30°-40°	508.1	6.4
40°-50°	462.2	5.8
50°-60°	368.2	4.6
60°-70°	256.4	3.2
70°-80°	136.8	1.7
80°-90°	38.7	0.5
90°-100°	129.8	1.6
100°-110°	383.3	4.8
110°-120°	649.2	8.2
120°-130°	854.4	10.8
130°-140°	957.4	12.1
140°-150°	938.3	11.8
150°-160°	788.1	9.9
160°-170°	523.9	6.6
170°-180°	183.3	2.3
0°-30°	759.2	9.6
0°-40°	1267.4	16.0
0°-60°	2097.8	26.4
0°-90°	2529.7	31.9
90°-120°	1162.3	14.6
90°-150°	3912.5	49.3
90°-180°	5408.0	68.1
0°-180°	7937.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1032	895	783	895	1032	104
15°	1289	857	614	857	1289	369
25°	1586	784	518	784	1586	725
35°	1273	681	444	681	1273	779
45°	600	538	368	538	600	480
55°	370	379	301	379	370	333
65°	227	234	233	234	227	225
75°	112	113	144	113	112	120
85°	25	22	36	22	25	30
90°	36	2	36	2	36	22
95°	130	98	130	98	130	132
105°	374	344	374	344	374	396
115°	656	650	656	650	656	649
125°	955	949	955	949	955	852
135°	1238	1234	1238	1234	1238	955
145°	1501	1495	1501	1495	1501	937
155°	1710	1710	1710	1710	1710	787
165°	1855	1860	1855	1860	1855	523
175°	1926	1934	1926	1934	1926	183
180°	1938	1938	1938	1938	1938	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	946.7	945.4	944.2	941.8	943.6	938.4	936.0	931.8	926.6	924.8	922.6
5°	1032.5	1034.4	1036.3	1028.3	1029.1	1023.8	1011.6	1001.7	993.8	983.5	976.3
7.5°	1135.8	1131.3	1131.0	1125.8	1116.9	1109.8	1097.0	1080.7	1065.0	1047.1	1032.3
10°	1187.5	1187.9	1184.5	1178.4	1168.9	1162.0	1145.3	1129.4	1110.0	1087.2	1070.9
12.5°	1226.4	1228.0	1223.7	1215.5	1210.8	1195.5	1182.4	1163.4	1140.4	1122.2	1097.3
15°	1289.3	1285.1	1282.1	1271.8	1263.8	1247.9	1227.0	1207.2	1182.2	1159.0	1135.8
17.5°	1349.9	1353.3	1347.6	1338.2	1313.5	1294.8	1266.8	1239.8	1208.5	1177.5	1149.8
20°	1404.0	1407.1	1398.3	1382.0	1352.4	1333.7	1296.9	1261.9	1225.9	1186.0	1155.6
22.5°	1471.5	1469.1	1457.3	1432.4	1406.8	1372.3	1332.5	1289.9	1244.7	1199.6	1159.2
25°	1586.4	1570.4	1563.2	1532.4	1498.6	1448.1	1393.4	1331.1	1274.9	1215.2	1163.6
27.5°	1650.0	1645.0	1637.0	1615.5	1580.0	1526.0	1461.5	1385.6	1306.2	1231.0	1163.3
30°	1637.3	1638.0	1638.8	1631.9	1609.2	1568.5	1504.3	1422.6	1328.4	1243.7	1165.5
32.5°	1524.2	1538.0	1551.3	1566.9	1573.3	1565.5	1525.3	1451.5	1354.6	1258.3	1164.2
35°	1273.3	1277.5	1320.5	1363.0	1420.7	1465.6	1495.6	1462.9	1381.2	1270.7	1162.8
37.5°	992.8	1013.4	1043.1	1091.2	1174.5	1249.1	1345.1	1389.2	1362.8	1274.7	1160.1
40°	846.4	865.4	884.7	933.7	1004.0	1094.4	1203.4	1296.5	1318.2	1261.9	1151.0
42.5°	733.3	748.4	769.9	806.7	865.4	945.5	1049.7	1171.3	1246.1	1224.9	1131.9
45°	600.2	609.7	626.4	655.7	698.2	760.9	852.8	985.8	1101.6	1140.0	1086.4
47.5°	513.7	513.7	526.7	546.9	577.6	630.8	698.8	803.0	926.7	1018.3	1014.0
50°	465.7	463.8	474.1	491.6	515.9	551.2	616.2	699.4	818.3	922.0	950.8
52.5°	424.4	424.6	430.9	443.8	464.2	494.4	542.9	617.9	719.5	825.9	880.3
55°	370.0	368.5	375.7	384.4	399.3	419.0	454.0	511.3	593.7	698.6	769.2
57.5°	320.2	324.3	327.2	333.3	345.6	358.8	388.3	430.4	495.8	585.8	660.5
60°	291.0	295.2	297.4	303.5	313.4	324.8	347.6	381.8	436.9	514.4	588.4
62.5°	264.8	268.1	268.9	274.3	282.4	293.5	311.4	340.1	383.7	451.4	524.0
65°	227.2	227.2	228.7	234.4	238.2	248.1	261.7	282.6	317.6	370.4	432.3
67.5°	190.8	192.7	192.3	194.8	198.3	206.0	215.8	233.0	258.9	297.4	347.0
70°	167.1	168.7	168.3	170.2	174.0	178.9	186.9	203.2	221.8	254.9	297.4
72.5°	145.9	146.5	145.5	148.0	150.3	154.6	163.5	172.2	189.6	217.5	252.5
75°	111.7	112.4	113.2	114.7	117.0	119.3	123.8	132.6	144.0	164.9	187.3
77.5°	83.7	82.3	84.1	83.9	85.2	86.9	90.9	95.6	104.9	118.1	135.5
80°	63.1	63.4	63.4	63.8	65.7	66.9	70.3	73.7	80.9	90.8	102.9
82.5°	46.0	47.0	46.4	47.1	48.7	49.5	51.4	54.2	58.4	66.2	75.0
85°	25.1	23.2	23.9	24.7	24.7	25.1	26.6	27.7	30.0	33.0	36.5
87.5°	14.5	14.9	15.0	14.8	14.9	14.7	15.6	15.2	15.8	16.4	17.1
90°	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5	25.8	24.1	21.8
92.5°	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3	60.1	57.9	55.0
95°	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8	118.5	116.1	112.8
97.5°	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3	187.1	184.9	180.3
100°	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8	233.8	230.7	226.4
102.5°	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6	282.3	279.0	276.8
105°	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5	362.5	360.5	358.4
107.5°	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6	448.6	447.6	446.1
110°	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8	507.7	506.7	505.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0	567.5	567.1	565.8
115°	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4	658.7	659.1	658.4
117.5°	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9	748.6	748.4	747.7
120°	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9	809.9	809.9	809.5
122.5°	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7	869.9	870.2	869.3
125°	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9	958.5	959.2	958.9
127.5°	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4	1045.7	1046.1	1045.7
130°	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3	1103.6	1104.0	1103.3
132.5°	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8	1159.1	1159.5	1159.6
135°	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2	1244.2	1244.2	1243.9
137.5°	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4	1327.0	1326.6	1325.8
140°	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8	1379.1	1378.5	1377.5
142.5°	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1	1430.7	1430.3	1429.1
145°	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1	1505.1	1505.1	1504.1
147.5°	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7	1572.9	1572.1	1571.3
150°	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8	1616.8	1616.8	1615.4
152.5°	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0	1656.2	1655.4	1654.8
155°	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4	1713.1	1711.8	1711.4
157.5°	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2	1762.9	1761.5	1761.2
160°	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4	1793.0	1791.7	1791.4
162.5°	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7	1821.1	1819.4	1819.4
165°	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7	1859.4	1858.1	1857.7
167.5°	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9	1886.9	1884.9	1884.9
170°	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8	1903.8	1901.8	1901.8
172.5°	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9	1915.9	1913.9	1913.9
175°	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5	1929.4	1927.4	1927.4
177.5°	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6	1936.0	1934.4	1934.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	920.8	918.7	916.3	912.0	906.8	904.1	899.9	897.1	891.6	887.1	882.2
5°	967.5	957.7	948.6	936.8	923.9	915.5	905.6	894.6	883.2	871.4	858.5
7.5°	1015.9	998.5	979.5	959.0	939.1	920.7	903.1	885.9	869.8	850.3	833.8
10°	1048.5	1026.4	1002.9	975.1	948.2	924.6	900.7	879.8	858.5	835.7	815.6
12.5°	1081.0	1051.6	1018.4	987.9	955.5	927.1	898.9	872.2	845.5	820.2	796.8
15°	1103.9	1078.1	1047.3	1004.0	967.5	928.4	891.2	856.6	824.3	796.2	766.6
17.5°	1119.0	1085.8	1052.7	1011.2	963.4	919.6	877.4	837.9	801.5	765.8	737.3
20°	1121.8	1087.6	1053.0	1012.4	963.4	913.2	871.1	823.6	784.4	747.6	712.6
22.5°	1120.9	1082.1	1044.5	1002.6	954.9	908.7	857.7	809.3	766.8	730.6	694.1
25°	1112.3	1070.9	1023.8	981.6	934.5	885.5	833.8	783.7	740.4	699.0	662.9
27.5°	1105.1	1051.4	998.1	948.9	903.4	858.5	809.1	757.7	709.7	667.7	633.7
30°	1096.3	1037.4	977.4	926.1	879.4	835.7	789.0	738.9	688.7	647.7	611.2
32.5°	1088.4	1019.8	956.5	900.6	851.2	808.7	765.6	717.9	668.7	627.0	590.6
35°	1073.2	993.8	921.2	858.1	805.3	761.7	725.6	681.1	635.9	595.6	560.7
37.5°	1053.8	959.6	881.7	815.6	757.7	711.7	678.1	644.0	600.6	561.8	530.2
40°	1038.6	935.3	852.8	785.2	725.2	677.3	646.2	613.9	577.8	541.7	508.3
42.5°	1019.4	913.4	823.6	750.9	691.5	644.8	612.1	584.7	552.9	519.2	488.2
45°	984.3	873.7	776.5	698.2	638.2	592.2	558.4	537.9	514.0	482.1	455.9
47.5°	932.5	826.1	725.5	644.7	582.8	540.2	508.5	488.8	472.0	448.3	424.5
50°	886.6	790.5	688.7	608.6	546.6	503.7	474.5	456.6	442.2	423.9	403.8
52.5°	835.3	745.8	652.6	573.3	512.0	469.7	441.0	425.3	413.3	400.2	380.4
55°	753.7	677.7	591.1	515.9	459.3	417.9	392.8	379.1	369.2	359.4	347.2
57.5°	663.8	604.4	527.6	458.9	406.8	369.1	345.7	332.4	324.7	319.6	312.5
60°	600.6	549.7	483.6	420.9	370.0	336.6	313.8	303.5	297.1	292.9	287.6
62.5°	541.9	500.1	438.9	381.7	337.2	305.6	285.2	275.3	269.1	267.1	262.6
65°	455.5	423.2	372.7	325.2	287.2	260.2	243.1	233.6	229.8	227.5	227.9
67.5°	370.3	350.6	310.1	269.6	239.2	216.6	202.9	195.6	193.7	190.7	190.6
70°	318.3	303.5	269.3	234.0	207.0	189.6	177.4	169.8	167.9	166.4	166.0
72.5°	272.4	259.5	229.8	201.5	177.3	161.9	151.9	147.3	144.2	143.3	143.2
75°	204.8	197.5	174.0	151.6	134.9	124.2	117.4	113.2	110.9	110.5	110.9
77.5°	145.6	139.3	124.3	108.4	97.9	89.8	84.0	82.6	80.0	80.1	79.7
80°	109.4	105.2	95.7	83.2	74.5	67.6	64.6	61.9	61.2	60.0	61.2
82.5°	79.3	74.8	68.4	60.4	53.2	49.1	46.0	45.2	44.7	44.2	44.4
85°	39.1	39.5	35.7	29.6	26.6	24.3	22.4	22.4	22.0	21.7	22.0
87.5°	17.3	16.2	14.5	13.1	11.0	9.6	8.7	8.5	8.1	8.4	9.2
90°	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5	4.2	6.9	9.6
92.5°	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5	38.4	40.3	42.1
95°	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0	98.7	99.4	100.0
97.5°	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9	163.1	163.4	163.7
100°	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1	211.1	211.1	211.1
102.5°	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0	264.4	265.7	267.0
105°	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9	345.5	347.2	348.9
107.5°	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1	434.8	436.5	438.2
110°	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7	496.4	498.0	499.7



TEST NUMBER: P333395

CATALOG NUMBER: S125DIW-S610D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4	558.3	559.2	560.0
115°	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0	651.4	652.7	654.0
117.5°	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9	743.5	744.1	744.7
120°	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8	802.5	804.2	805.9
122.5°	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6	864.2	864.8	865.4
125°	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6	950.6	952.7	954.7
127.5°	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1	1040.3	1041.4	1042.5
130°	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4	1095.1	1096.8	1098.4
132.5°	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7	1150.5	1153.2	1156.0
135°	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7	1235.7	1237.7	1239.7
137.5°	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5	1316.5	1318.4	1320.3
140°	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4	1368.1	1369.7	1371.4
142.5°	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3	1419.7	1421.1	1422.5
145°	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6	1495.9	1497.3	1498.6
147.5°	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2	1565.9	1566.6	1567.4
150°	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2	1611.9	1611.6	1611.2
152.5°	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8	1651.3	1651.8	1652.2
155°	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3	1762.6	1761.9	1761.1
160°	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7	1793.7	1792.7	1791.7
162.5°	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5	1821.7	1821.0	1820.3
165°	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6	1858.9	1858.2	1857.6
167.5°	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9	1889.6	1888.3	1886.9
170°	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8	1906.5	1905.1	1903.8
172.5°	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9	1918.6	1917.2	1915.9
175°	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5	1932.1	1930.8	1929.4
177.5°	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4	1939.3	1938.3	1937.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333395

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	879.5	876.1	873.4	867.3	864.0	859.4	855.8	859.7	855.5	857.3	854.6
5°	852.1	841.4	833.8	822.8	813.3	804.6	798.1	797.0	793.9	792.4	787.9
7.5°	819.1	805.8	792.7	778.3	766.1	753.8	745.8	739.3	735.0	729.3	725.4
10°	799.6	781.8	766.6	749.1	733.9	720.6	710.0	704.7	699.7	692.5	689.9
12.5°	775.6	757.2	738.6	719.9	705.4	690.5	681.4	673.4	670.0	661.8	661.0
15°	746.8	719.1	700.9	681.9	661.7	649.6	642.0	633.3	629.5	623.8	619.6
17.5°	712.5	687.7	664.9	645.3	628.0	617.8	608.3	602.3	595.8	592.1	585.2
20°	687.6	664.0	641.2	620.3	607.0	595.3	587.7	582.0	575.1	573.2	566.4
22.5°	666.6	640.6	618.7	601.2	586.7	573.4	565.2	561.3	556.6	550.7	549.4
25°	632.5	605.5	586.9	569.4	556.5	544.4	538.7	533.7	529.2	525.0	523.5
27.5°	603.0	578.9	556.8	541.0	529.8	518.7	513.7	507.7	504.3	501.0	496.9
30°	582.4	557.7	538.3	523.1	510.9	501.1	495.7	491.6	488.5	485.5	483.2
32.5°	561.1	538.2	519.4	504.6	492.4	485.0	480.2	477.3	473.9	470.3	467.4
35°	533.0	507.9	489.7	476.7	467.2	461.5	456.2	453.6	449.8	449.8	446.7
37.5°	501.3	479.6	463.5	451.7	443.2	438.1	432.4	430.6	428.1	426.5	425.5
40°	482.4	462.3	447.1	435.3	426.2	422.0	417.5	414.4	412.9	411.0	410.3
42.5°	463.0	443.8	429.2	418.3	410.4	406.8	402.6	400.5	397.4	394.9	394.5
45°	433.4	414.8	401.5	392.8	386.0	381.8	379.1	374.6	373.0	370.0	369.6
47.5°	405.4	387.5	374.5	367.3	361.3	357.9	353.7	349.2	347.4	345.9	345.8
50°	384.4	368.1	355.9	349.1	343.4	338.5	334.3	331.3	330.1	330.1	330.9
52.5°	363.2	349.3	338.9	330.6	325.2	319.9	316.1	314.2	312.5	314.3	315.7
55°	332.0	318.0	310.4	302.4	297.1	291.0	289.1	288.3	287.2	290.2	291.7
57.5°	299.0	289.2	280.3	272.4	267.6	264.1	261.5	261.1	263.2	264.6	269.6
60°	278.1	266.7	258.7	252.6	246.9	244.6	243.9	243.1	244.6	248.8	255.3
62.5°	255.0	245.7	237.1	232.6	228.4	224.6	224.4	224.9	227.9	232.7	239.2
65°	221.1	213.1	207.4	202.1	198.7	196.4	197.2	198.7	202.1	208.6	215.8
67.5°	186.7	181.2	176.1	171.8	168.5	168.5	169.3	171.6	175.6	183.0	189.6
70°	164.5	158.4	154.2	152.3	149.7	148.2	150.4	154.2	157.6	164.5	170.2
72.5°	142.3	137.1	133.9	132.6	131.4	130.2	131.0	135.1	139.7	146.6	153.2
75°	109.4	107.5	105.2	103.7	102.6	103.3	104.1	107.9	111.7	118.9	126.5
77.5°	79.9	77.9	76.5	76.1	75.5	75.9	78.0	80.8	84.6	89.8	95.6
80°	60.4	59.6	58.9	58.5	58.5	58.9	61.9	63.8	67.2	72.2	76.7
82.5°	44.0	43.5	43.4	43.3	43.6	43.7	45.5	48.0	50.8	54.6	58.5
85°	23.2	22.4	23.6	23.9	23.2	24.3	25.1	26.6	27.7	29.6	31.5
87.5°	10.0	11.2	11.3	12.1	12.6	13.6	13.7	15.2	16.2	17.1	17.1
90°	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5	29.2	30.8	32.2
92.5°	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3	64.5	66.8	68.2
95°	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8	123.2	125.5	127.0
97.5°	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3	191.5	193.7	195.1
100°	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8	239.8	242.8	244.7
102.5°	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6	288.9	292.1	294.3
105°	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5	366.5	368.5	370.0
107.5°	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6	450.6	451.6	452.1
110°	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8	509.8	510.8	511.1



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CATALOG NUMBER: S125DIW-S610D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0	568.5	568.9	568.9
115°	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4	658.1	657.7	657.4
117.5°	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9	749.2	749.4	748.9
120°	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9	809.9	809.9	809.2
122.5°	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7	869.4	869.1	868.5
125°	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9	957.2	956.5	956.0
127.5°	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4	1045.1	1044.7	1044.2
130°	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3	1103.0	1102.6	1102.1
132.5°	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8	1158.5	1158.1	1157.5
135°	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2	1244.2	1244.2	1243.6
137.5°	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4	1327.8	1328.2	1327.6
140°	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8	1380.5	1381.1	1380.6
142.5°	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1	1431.5	1432.0	1431.3
145°	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1	1505.1	1505.1	1504.6
147.5°	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7	1574.5	1575.3	1574.6
150°	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8	1616.8	1616.8	1616.4
152.5°	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0	1657.8	1658.6	1658.4
155°	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4	1715.8	1717.1	1717.0
157.5°	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2	1765.6	1766.9	1766.5
160°	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4	1795.7	1797.1	1796.9
162.5°	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7	1824.3	1825.9	1825.7
165°	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7	1862.1	1863.4	1863.1
167.5°	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9	1890.9	1892.9	1892.9
170°	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8	1907.8	1909.8	1909.7
172.5°	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9	1919.9	1921.9	1921.9
175°	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5	1933.5	1935.5	1935.3
177.5°	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6	1939.2	1940.8	1940.7
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333395

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	852.7	854.9	853.1	855.5	853.1	854.9	852.7	854.6	857.3	855.5	859.7
5°	786.0	782.5	784.8	783.3	784.8	782.5	786.0	787.9	792.4	793.9	797.0
7.5°	724.3	721.0	717.3	715.5	717.3	721.0	724.3	725.4	729.3	735.0	739.3
10°	685.7	681.5	681.1	678.5	681.1	681.5	685.7	689.9	692.5	699.7	704.7
12.5°	657.4	653.5	649.2	648.1	649.2	653.5	657.4	661.0	661.8	670.0	673.4
15°	617.3	614.3	611.6	613.9	611.6	614.3	617.3	619.6	623.8	629.5	633.3
17.5°	583.9	581.4	581.0	578.2	581.0	581.4	583.9	585.2	592.1	595.8	602.3
20°	563.0	561.1	561.8	556.9	561.8	561.1	563.0	566.4	573.2	575.1	582.0
22.5°	546.3	542.5	542.1	541.1	542.1	542.5	546.3	549.4	550.7	556.6	561.3
25°	520.1	518.2	516.3	518.2	516.3	518.2	520.1	523.5	525.0	529.2	533.7
27.5°	497.2	494.9	494.4	494.6	494.4	494.9	497.2	496.9	501.0	504.3	507.7
30°	483.2	479.4	479.8	479.4	479.8	479.4	483.2	483.2	485.5	488.5	491.6
32.5°	468.0	465.4	464.9	464.2	464.9	465.4	468.0	467.4	470.3	473.9	477.3
35°	445.6	445.6	443.7	443.7	443.7	445.6	445.6	446.7	449.8	449.8	453.6
37.5°	424.5	424.2	423.0	423.2	423.0	424.2	424.5	425.5	426.5	428.1	430.6
40°	408.7	408.4	407.2	404.9	407.2	408.4	408.7	410.3	411.0	412.9	414.4
42.5°	393.6	392.3	391.7	391.0	391.7	392.3	393.6	394.5	394.9	397.4	400.5
45°	369.6	369.6	368.9	368.5	368.9	369.6	369.6	369.6	370.0	373.0	374.6
47.5°	346.4	347.1	348.5	348.3	348.5	347.1	346.4	345.8	345.9	347.4	349.2
50°	332.4	332.8	333.9	334.3	333.9	332.8	332.4	330.9	330.1	330.1	331.3
52.5°	316.9	319.1	320.5	320.3	320.5	319.1	316.9	315.7	314.3	312.5	314.2
55°	295.2	297.8	300.5	300.9	300.5	297.8	295.2	291.7	290.2	287.2	288.3
57.5°	273.7	277.4	280.2	281.1	280.2	277.4	273.7	269.6	264.6	263.2	261.1
60°	259.1	264.0	267.4	269.0	267.4	264.0	259.1	255.3	248.8	244.6	243.1
62.5°	245.1	250.6	254.1	254.4	254.1	250.6	245.1	239.2	232.7	227.9	224.9
65°	222.2	227.9	231.0	233.2	231.0	227.9	222.2	215.8	208.6	202.1	198.7
67.5°	197.6	203.3	206.7	208.5	206.7	203.3	197.6	189.6	183.0	175.6	171.6
70°	179.7	185.4	189.9	191.5	189.9	185.4	179.7	170.2	164.5	157.6	154.2
72.5°	162.1	167.1	170.8	172.6	170.8	167.1	162.1	153.2	146.6	139.7	135.1
75°	131.4	138.3	141.7	143.6	141.7	138.3	131.4	126.5	118.9	111.7	107.9
77.5°	101.4	107.6	109.6	110.6	109.6	107.6	101.4	95.6	89.8	84.6	80.8
80°	81.3	85.1	87.8	88.1	87.8	85.1	81.3	76.7	72.2	67.2	63.8
82.5°	62.5	65.6	66.5	67.5	66.5	65.6	62.5	58.5	54.6	50.8	48.0
85°	34.2	35.7	36.1	35.7	36.1	35.7	34.2	31.5	29.6	27.7	26.6
87.5°	17.9	17.8	18.0	18.8	18.0	17.8	17.9	17.1	17.1	16.2	15.2
90°	33.2	34.2	35.2	36.2	35.2	34.2	33.2	32.2	30.8	29.2	27.5
92.5°	69.0	69.7	70.4	71.2	70.4	69.7	69.0	68.2	66.8	64.5	62.3
95°	127.7	128.4	129.0	129.7	129.0	128.4	127.7	127.0	125.5	123.2	120.8
97.5°	195.5	195.9	196.3	196.7	196.3	195.9	195.5	195.1	193.7	191.5	189.3
100°	245.3	246.0	246.7	247.3	246.7	246.0	245.3	244.7	242.8	239.8	236.8
102.5°	295.2	296.1	297.1	298.0	297.1	296.1	295.2	294.3	292.1	288.9	285.6
105°	371.0	372.0	373.0	374.0	373.0	372.0	371.0	370.0	368.5	366.5	364.5
107.5°	452.0	452.0	451.9	451.8	451.9	452.0	452.0	452.1	451.6	450.6	449.6
110°	510.8	510.4	510.1	509.8	510.1	510.4	510.8	511.1	510.8	509.8	508.8



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	568.3	567.7	567.1	566.5	567.1	567.7	568.3	568.9	568.9	568.5	568.0
115°	657.1	656.7	656.4	656.1	656.4	656.7	657.1	657.4	657.7	658.1	658.4
117.5°	747.5	746.2	744.9	743.5	744.9	746.2	747.5	748.9	749.4	749.2	748.9
120°	807.9	806.5	805.2	803.9	805.2	806.5	807.9	809.2	809.9	809.9	809.9
122.5°	867.4	866.3	865.2	864.2	865.2	866.3	867.4	868.5	869.1	869.4	869.7
125°	955.7	955.3	955.0	954.7	955.0	955.3	955.7	956.0	956.5	957.2	957.9
127.5°	1043.5	1042.9	1042.2	1041.5	1042.2	1042.9	1043.5	1044.2	1044.7	1045.1	1045.4
130°	1101.5	1100.8	1100.1	1099.5	1100.1	1100.8	1101.5	1102.1	1102.6	1103.0	1103.3
132.5°	1156.6	1155.6	1154.7	1153.7	1154.7	1155.6	1156.6	1157.5	1158.1	1158.5	1158.8
135°	1242.2	1240.9	1239.5	1238.2	1239.5	1240.9	1242.2	1243.6	1244.2	1244.2	1244.2
137.5°	1325.9	1324.2	1322.5	1320.8	1322.5	1324.2	1325.9	1327.6	1328.2	1327.8	1327.4
140°	1379.0	1377.3	1375.6	1373.9	1375.6	1377.3	1379.0	1380.6	1381.1	1380.5	1379.8
142.5°	1429.6	1428.0	1426.3	1424.6	1426.3	1428.0	1429.6	1431.3	1432.0	1431.5	1431.1
145°	1503.6	1502.6	1501.6	1500.6	1501.6	1502.6	1503.6	1504.6	1505.1	1505.1	1505.1
147.5°	1572.3	1570.0	1567.8	1565.5	1567.8	1570.0	1572.3	1574.6	1575.3	1574.5	1573.7
150°	1615.7	1615.1	1614.4	1613.7	1614.4	1615.1	1615.7	1616.4	1616.8	1616.8	1616.8
152.5°	1657.2	1656.0	1654.8	1653.6	1654.8	1656.0	1657.2	1658.4	1658.6	1657.8	1657.0
155°	1715.3	1713.6	1711.9	1710.3	1711.9	1713.6	1715.3	1717.0	1717.1	1715.8	1714.4
157.5°	1764.2	1762.0	1759.8	1757.6	1759.8	1762.0	1764.2	1766.5	1766.9	1765.6	1764.2
160°	1795.2	1793.5	1791.9	1790.2	1791.9	1793.5	1795.2	1796.9	1797.1	1795.7	1794.4
162.5°	1823.8	1821.8	1819.9	1817.9	1819.9	1821.8	1823.8	1825.7	1825.9	1824.3	1822.7
165°	1861.1	1859.1	1857.1	1855.0	1857.1	1859.1	1861.1	1863.1	1863.4	1862.1	1860.7
167.5°	1890.8	1888.8	1886.7	1884.6	1886.7	1888.8	1890.8	1892.9	1892.9	1890.9	1888.9
170°	1907.3	1905.0	1902.6	1900.3	1902.6	1905.0	1907.3	1909.7	1909.8	1907.8	1905.8
172.5°	1919.8	1917.7	1915.6	1913.6	1915.6	1917.7	1919.8	1921.9	1921.9	1919.9	1917.9
175°	1933.0	1930.6	1928.3	1925.9	1928.3	1930.6	1933.0	1935.3	1935.5	1933.5	1931.5
177.5°	1938.8	1936.9	1935.0	1933.2	1935.0	1936.9	1938.8	1940.7	1940.8	1939.2	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	855.8	859.4	864.0	867.3	873.4	876.1	879.5	882.2	887.1	891.6	897.1
5°	798.1	804.6	813.3	822.8	833.8	841.4	852.1	858.5	871.4	883.2	894.6
7.5°	745.8	753.8	766.1	778.3	792.7	805.8	819.1	833.8	850.3	869.8	885.9
10°	710.0	720.6	733.9	749.1	766.6	781.8	799.6	815.6	835.7	858.5	879.8
12.5°	681.4	690.5	705.4	719.9	738.6	757.2	775.6	796.8	820.2	845.5	872.2
15°	642.0	649.6	661.7	681.9	700.9	719.1	746.8	766.6	796.2	824.3	856.6
17.5°	608.3	617.8	628.0	645.3	664.9	687.7	712.5	737.3	765.8	801.5	837.9
20°	587.7	595.3	607.0	620.3	641.2	664.0	687.6	712.6	747.6	784.4	823.6
22.5°	565.2	573.4	586.7	601.2	618.7	640.6	666.6	694.1	730.6	766.8	809.3
25°	538.7	544.4	556.5	569.4	586.9	605.5	632.5	662.9	699.0	740.4	783.7
27.5°	513.7	518.7	529.8	541.0	556.8	578.9	603.0	633.7	667.7	709.7	757.7
30°	495.7	501.1	510.9	523.1	538.3	557.7	582.4	611.2	647.7	688.7	738.9
32.5°	480.2	485.0	492.4	504.6	519.4	538.2	561.1	590.6	627.0	668.7	717.9
35°	456.2	461.5	467.2	476.7	489.7	507.9	533.0	560.7	595.6	635.9	681.1
37.5°	432.4	438.1	443.2	451.7	463.5	479.6	501.3	530.2	561.8	600.6	644.0
40°	417.5	422.0	426.2	435.3	447.1	462.3	482.4	508.3	541.7	577.8	613.9
42.5°	402.6	406.8	410.4	418.3	429.2	443.8	463.0	488.2	519.2	552.9	584.7
45°	379.1	381.8	386.0	392.8	401.5	414.8	433.4	455.9	482.1	514.0	537.9
47.5°	353.7	357.9	361.3	367.3	374.5	387.5	405.4	424.5	448.3	472.0	488.8
50°	334.3	338.5	343.4	349.1	355.9	368.1	384.4	403.8	423.9	442.2	456.6
52.5°	316.1	319.9	325.2	330.6	338.9	349.3	363.2	380.4	400.2	413.3	425.3
55°	289.1	291.0	297.1	302.4	310.4	318.0	332.0	347.2	359.4	369.2	379.1
57.5°	261.5	264.1	267.6	272.4	280.3	289.2	299.0	312.5	319.6	324.7	332.4
60°	243.9	244.6	246.9	252.6	258.7	266.7	278.1	287.6	292.9	297.1	303.5
62.5°	224.4	224.6	228.4	232.6	237.1	245.7	255.0	262.6	267.1	269.1	275.3
65°	197.2	196.4	198.7	202.1	207.4	213.1	221.1	227.9	227.5	229.8	233.6
67.5°	169.3	168.5	168.5	171.8	176.1	181.2	186.7	190.6	190.7	193.7	195.6
70°	150.4	148.2	149.7	152.3	154.2	158.4	164.5	166.0	166.4	167.9	169.8
72.5°	131.0	130.2	131.4	132.6	133.9	137.1	142.3	143.2	143.3	144.2	147.3
75°	104.1	103.3	102.6	103.7	105.2	107.5	109.4	110.9	110.5	110.9	113.2
77.5°	78.0	75.9	75.5	76.1	76.5	77.9	79.9	79.7	80.1	80.0	82.6
80°	61.9	58.9	58.5	58.5	58.9	59.6	60.4	61.2	60.0	61.2	61.9
82.5°	45.5	43.7	43.6	43.3	43.4	43.5	44.0	44.4	44.2	44.7	45.2
85°	25.1	24.3	23.2	23.9	23.6	22.4	23.2	22.0	21.7	22.0	22.4
87.5°	13.7	13.6	12.6	12.1	11.3	11.2	10.0	9.2	8.4	8.1	8.5
90°	25.8	24.1	21.8	19.4	17.1	14.7	12.2	9.6	6.9	4.2	1.5
92.5°	60.1	57.9	55.0	52.1	49.3	46.4	44.0	42.1	40.3	38.4	36.5
95°	118.5	116.1	112.8	109.4	106.1	102.7	100.7	100.0	99.4	98.7	98.0
97.5°	187.1	184.9	180.3	175.7	171.0	166.4	164.0	163.7	163.4	163.1	162.9
100°	233.8	230.7	226.4	222.0	217.7	213.3	211.1	211.1	211.1	211.1	211.1
102.5°	282.3	279.0	276.8	274.6	272.4	270.2	268.4	267.0	265.7	264.4	263.0
105°	362.5	360.5	358.4	356.4	354.4	352.4	350.6	348.9	347.2	345.5	343.9
107.5°	448.6	447.6	446.1	444.5	443.0	441.5	439.8	438.2	436.5	434.8	433.1
110°	507.7	506.7	505.7	504.7	503.7	502.7	501.4	499.7	498.0	496.4	494.7



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CATALOG NUMBER: S125DIW-S610D1560U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	567.5	567.1	565.8	564.5	563.2	562.0	560.9	560.0	559.2	558.3	557.4
115°	658.7	659.1	658.4	657.7	657.1	656.4	655.4	654.0	652.7	651.4	650.0
117.5°	748.6	748.4	747.7	747.1	746.5	745.9	745.3	744.7	744.1	743.5	742.9
120°	809.9	809.9	809.5	809.2	808.9	808.5	807.5	805.9	804.2	802.5	800.8
122.5°	869.9	870.2	869.3	868.5	867.6	866.7	866.0	865.4	864.8	864.2	863.6
125°	958.5	959.2	958.9	958.5	958.2	957.9	956.7	954.7	952.7	950.6	948.6
127.5°	1045.7	1046.1	1045.7	1045.3	1044.9	1044.5	1043.7	1042.5	1041.4	1040.3	1039.1
130°	1103.6	1104.0	1103.3	1102.6	1102.0	1101.3	1100.1	1098.4	1096.8	1095.1	1093.4
132.5°	1159.1	1159.5	1159.6	1159.7	1159.9	1160.0	1158.7	1156.0	1153.2	1150.5	1147.7
135°	1244.2	1244.2	1243.9	1243.6	1243.2	1242.9	1241.7	1239.7	1237.7	1235.7	1233.7
137.5°	1327.0	1326.6	1325.8	1325.1	1324.4	1323.6	1322.3	1320.3	1318.4	1316.5	1314.5
140°	1379.1	1378.5	1377.5	1376.5	1375.4	1374.4	1373.1	1371.4	1369.7	1368.1	1366.4
142.5°	1430.7	1430.3	1429.1	1427.8	1426.5	1425.2	1423.9	1422.5	1421.1	1419.7	1418.3
145°	1505.1	1505.1	1504.1	1503.1	1502.1	1501.1	1500.0	1498.6	1497.3	1495.9	1494.6
147.5°	1572.9	1572.1	1571.3	1570.5	1569.7	1568.9	1568.1	1567.4	1566.6	1565.9	1565.2
150°	1616.8	1616.8	1615.4	1614.1	1612.7	1611.4	1610.9	1611.2	1611.6	1611.9	1612.2
152.5°	1656.2	1655.4	1654.8	1654.3	1653.8	1653.2	1652.7	1652.2	1651.8	1651.3	1650.8
155°	1713.1	1711.8	1711.4	1711.1	1710.8	1710.4	1710.3	1710.3	1710.3	1710.3	1710.3
157.5°	1762.9	1761.5	1761.2	1760.9	1760.5	1760.2	1760.4	1761.1	1761.9	1762.6	1763.3
160°	1793.0	1791.7	1791.4	1791.0	1790.7	1790.4	1790.7	1791.7	1792.7	1793.7	1794.7
162.5°	1821.1	1819.4	1819.4	1819.3	1819.2	1819.2	1819.5	1820.3	1821.0	1821.7	1822.5
165°	1859.4	1858.1	1857.7	1857.4	1857.1	1856.7	1856.9	1857.6	1858.2	1858.9	1859.6
167.5°	1886.9	1884.9	1884.9	1884.9	1884.9	1884.9	1885.6	1886.9	1888.3	1889.6	1890.9
170°	1903.8	1901.8	1901.8	1901.8	1901.8	1901.8	1902.5	1903.8	1905.1	1906.5	1907.8
172.5°	1915.9	1913.9	1913.9	1913.9	1913.9	1913.9	1914.5	1915.9	1917.2	1918.6	1919.9
175°	1929.4	1927.4	1927.4	1927.4	1927.4	1927.4	1928.1	1929.4	1930.8	1932.1	1933.5
177.5°	1936.0	1934.4	1934.6	1934.9	1935.2	1935.4	1936.1	1937.2	1938.3	1939.3	1940.4
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



TEST NUMBER: P333395

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	899.9	904.1	906.8	912.0	916.3	918.7	920.8	922.6	924.8	926.6	931.8
5°	905.6	915.5	923.9	936.8	948.6	957.7	967.5	976.3	983.5	993.8	1001.7
7.5°	903.1	920.7	939.1	959.0	979.5	998.5	1015.9	1032.3	1047.1	1065.0	1080.7
10°	900.7	924.6	948.2	975.1	1002.9	1026.4	1048.5	1070.9	1087.2	1110.0	1129.4
12.5°	898.9	927.1	955.5	987.9	1018.4	1051.6	1081.0	1097.3	1122.2	1140.4	1163.4
15°	891.2	928.4	967.5	1004.0	1047.3	1078.1	1103.9	1135.8	1159.0	1182.2	1207.2
17.5°	877.4	919.6	963.4	1011.2	1052.7	1085.8	1119.0	1149.8	1177.5	1208.5	1239.8
20°	871.1	913.2	963.4	1012.4	1053.0	1087.6	1121.8	1155.6	1186.0	1225.9	1261.9
22.5°	857.7	908.7	954.9	1002.6	1044.5	1082.1	1120.9	1159.2	1199.6	1244.7	1289.9
25°	833.8	885.5	934.5	981.6	1023.8	1070.9	1112.3	1163.6	1215.2	1274.9	1331.1
27.5°	809.1	858.5	903.4	948.9	998.1	1051.4	1105.1	1163.3	1231.0	1306.2	1385.6
30°	789.0	835.7	879.4	926.1	977.4	1037.4	1096.3	1165.5	1243.7	1328.4	1422.6
32.5°	765.6	808.7	851.2	900.6	956.5	1019.8	1088.4	1164.2	1258.3	1354.6	1451.5
35°	725.6	761.7	805.3	858.1	921.2	993.8	1073.2	1162.8	1270.7	1381.2	1462.9
37.5°	678.1	711.7	757.7	815.6	881.7	959.6	1053.8	1160.1	1274.7	1362.8	1389.2
40°	646.2	677.3	725.2	785.2	852.8	935.3	1038.6	1151.0	1261.9	1318.2	1296.5
42.5°	612.1	644.8	691.5	750.9	823.6	913.4	1019.4	1131.9	1224.9	1246.1	1171.3
45°	558.4	592.2	638.2	698.2	776.5	873.7	984.3	1086.4	1140.0	1101.6	985.8
47.5°	508.5	540.2	582.8	644.7	725.5	826.1	932.5	1014.0	1018.3	926.7	803.0
50°	474.5	503.7	546.6	608.6	688.7	790.5	886.6	950.8	922.0	818.3	699.4
52.5°	441.0	469.7	512.0	573.3	652.6	745.8	835.3	880.3	825.9	719.5	617.9
55°	392.8	417.9	459.3	515.9	591.1	677.7	753.7	769.2	698.6	593.7	511.3
57.5°	345.7	369.1	406.8	458.9	527.6	604.4	663.8	660.5	585.8	495.8	430.4
60°	313.8	336.6	370.0	420.9	483.6	549.7	600.6	588.4	514.4	436.9	381.8
62.5°	285.2	305.6	337.2	381.7	438.9	500.1	541.9	524.0	451.4	383.7	340.1
65°	243.1	260.2	287.2	325.2	372.7	423.2	455.5	432.3	370.4	317.6	282.6
67.5°	202.9	216.6	239.2	269.6	310.1	350.6	370.3	347.0	297.4	258.9	233.0
70°	177.4	189.6	207.0	234.0	269.3	303.5	318.3	297.4	254.9	221.8	203.2
72.5°	151.9	161.9	177.3	201.5	229.8	259.5	272.4	252.5	217.5	189.6	172.2
75°	117.4	124.2	134.9	151.6	174.0	197.5	204.8	187.3	164.9	144.0	132.6
77.5°	84.0	89.8	97.9	108.4	124.3	139.3	145.6	135.5	118.1	104.9	95.6
80°	64.6	67.6	74.5	83.2	95.7	105.2	109.4	102.9	90.8	80.9	73.7
82.5°	46.0	49.1	53.2	60.4	68.4	74.8	79.3	75.0	66.2	58.4	54.2
85°	22.4	24.3	26.6	29.6	35.7	39.5	39.1	36.5	33.0	30.0	27.7
87.5°	8.7	9.6	11.0	13.1	14.5	16.2	17.3	17.1	16.4	15.8	15.2
90°	4.2	6.9	9.6	12.2	14.7	17.1	19.4	21.8	24.1	25.8	27.5
92.5°	38.4	40.3	42.1	44.0	46.4	49.3	52.1	55.0	57.9	60.1	62.3
95°	98.7	99.4	100.0	100.7	102.7	106.1	109.4	112.8	116.1	118.5	120.8
97.5°	163.1	163.4	163.7	164.0	166.4	171.0	175.7	180.3	184.9	187.1	189.3
100°	211.1	211.1	211.1	211.1	213.3	217.7	222.0	226.4	230.7	233.8	236.8
102.5°	264.4	265.7	267.0	268.4	270.2	272.4	274.6	276.8	279.0	282.3	285.6
105°	345.5	347.2	348.9	350.6	352.4	354.4	356.4	358.4	360.5	362.5	364.5
107.5°	434.8	436.5	438.2	439.8	441.5	443.0	444.5	446.1	447.6	448.6	449.6
110°	496.4	498.0	499.7	501.4	502.7	503.7	504.7	505.7	506.7	507.7	508.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	558.3	559.2	560.0	560.9	562.0	563.2	564.5	565.8	567.1	567.5	568.0
115°	651.4	652.7	654.0	655.4	656.4	657.1	657.7	658.4	659.1	658.7	658.4
117.5°	743.5	744.1	744.7	745.3	745.9	746.5	747.1	747.7	748.4	748.6	748.9
120°	802.5	804.2	805.9	807.5	808.5	808.9	809.2	809.5	809.9	809.9	809.9
122.5°	864.2	864.8	865.4	866.0	866.7	867.6	868.5	869.3	870.2	869.9	869.7
125°	950.6	952.7	954.7	956.7	957.9	958.2	958.5	958.9	959.2	958.5	957.9
127.5°	1040.3	1041.4	1042.5	1043.7	1044.5	1044.9	1045.3	1045.7	1046.1	1045.7	1045.4
130°	1095.1	1096.8	1098.4	1100.1	1101.3	1102.0	1102.6	1103.3	1104.0	1103.6	1103.3
132.5°	1150.5	1153.2	1156.0	1158.7	1160.0	1159.9	1159.7	1159.6	1159.5	1159.1	1158.8
135°	1235.7	1237.7	1239.7	1241.7	1242.9	1243.2	1243.6	1243.9	1244.2	1244.2	1244.2
137.5°	1316.5	1318.4	1320.3	1322.3	1323.6	1324.4	1325.1	1325.8	1326.6	1327.0	1327.4
140°	1368.1	1369.7	1371.4	1373.1	1374.4	1375.4	1376.5	1377.5	1378.5	1379.1	1379.8
142.5°	1419.7	1421.1	1422.5	1423.9	1425.2	1426.5	1427.8	1429.1	1430.3	1430.7	1431.1
145°	1495.9	1497.3	1498.6	1500.0	1501.1	1502.1	1503.1	1504.1	1505.1	1505.1	1505.1
147.5°	1565.9	1566.6	1567.4	1568.1	1568.9	1569.7	1570.5	1571.3	1572.1	1572.9	1573.7
150°	1611.9	1611.6	1611.2	1610.9	1611.4	1612.7	1614.1	1615.4	1616.8	1616.8	1616.8
152.5°	1651.3	1651.8	1652.2	1652.7	1653.2	1653.8	1654.3	1654.8	1655.4	1656.2	1657.0
155°	1710.3	1710.3	1710.3	1710.3	1710.4	1710.8	1711.1	1711.4	1711.8	1713.1	1714.4
157.5°	1762.6	1761.9	1761.1	1760.4	1760.2	1760.5	1760.9	1761.2	1761.5	1762.9	1764.2
160°	1793.7	1792.7	1791.7	1790.7	1790.4	1790.7	1791.0	1791.4	1791.7	1793.0	1794.4
162.5°	1821.7	1821.0	1820.3	1819.5	1819.2	1819.2	1819.3	1819.4	1819.4	1821.1	1822.7
165°	1858.9	1858.2	1857.6	1856.9	1856.7	1857.1	1857.4	1857.7	1858.1	1859.4	1860.7
167.5°	1889.6	1888.3	1886.9	1885.6	1884.9	1884.9	1884.9	1884.9	1884.9	1886.9	1888.9
170°	1906.5	1905.1	1903.8	1902.5	1901.8	1901.8	1901.8	1901.8	1901.8	1903.8	1905.8
172.5°	1918.6	1917.2	1915.9	1914.5	1913.9	1913.9	1913.9	1913.9	1913.9	1915.9	1917.9
175°	1932.1	1930.8	1929.4	1928.1	1927.4	1927.4	1927.4	1927.4	1927.4	1929.4	1931.5
177.5°	1939.3	1938.3	1937.2	1936.1	1935.4	1935.2	1934.9	1934.6	1934.4	1936.0	1937.6
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	895.0	895.0	895.0	895.0	895.0	895.0	895.0
2.5°	936.0	938.4	943.6	941.8	944.2	945.4	946.7
5°	1011.6	1023.8	1029.1	1028.3	1036.3	1034.4	1032.5
7.5°	1097.0	1109.8	1116.9	1125.8	1131.0	1131.3	1135.8
10°	1145.3	1162.0	1168.9	1178.4	1184.5	1187.9	1187.5
12.5°	1182.4	1195.5	1210.8	1215.5	1223.7	1228.0	1226.4
15°	1227.0	1247.9	1263.8	1271.8	1282.1	1285.1	1289.3
17.5°	1266.8	1294.8	1313.5	1338.2	1347.6	1353.3	1349.9
20°	1296.9	1333.7	1352.4	1382.0	1398.3	1407.1	1404.0
22.5°	1332.5	1372.3	1406.8	1432.4	1457.3	1469.1	1471.5
25°	1393.4	1448.1	1498.6	1532.4	1563.2	1570.4	1586.4
27.5°	1461.5	1526.0	1580.0	1615.5	1637.0	1645.0	1650.0
30°	1504.3	1568.5	1609.2	1631.9	1638.8	1638.0	1637.3
32.5°	1525.3	1565.5	1573.3	1566.9	1551.3	1538.0	1524.2
35°	1495.6	1465.6	1420.7	1363.0	1320.5	1277.5	1273.3
37.5°	1345.1	1249.1	1174.5	1091.2	1043.1	1013.4	992.8
40°	1203.4	1094.4	1004.0	933.7	884.7	865.4	846.4
42.5°	1049.7	945.5	865.4	806.7	769.9	748.4	733.3
45°	852.8	760.9	698.2	655.7	626.4	609.7	600.2
47.5°	698.8	630.8	577.6	546.9	526.7	513.7	513.7
50°	616.2	551.2	515.9	491.6	474.1	463.8	465.7
52.5°	542.9	494.4	464.2	443.8	430.9	424.6	424.4
55°	454.0	419.0	399.3	384.4	375.7	368.5	370.0
57.5°	388.3	358.8	345.6	333.3	327.2	324.3	320.2
60°	347.6	324.8	313.4	303.5	297.4	295.2	291.0
62.5°	311.4	293.5	282.4	274.3	268.9	268.1	264.8
65°	261.7	248.1	238.2	234.4	228.7	227.2	227.2
67.5°	215.8	206.0	198.3	194.8	192.3	192.7	190.8
70°	186.9	178.9	174.0	170.2	168.3	168.7	167.1
72.5°	163.5	154.6	150.3	148.0	145.5	146.5	145.9
75°	123.8	119.3	117.0	114.7	113.2	112.4	111.7
77.5°	90.9	86.9	85.2	83.9	84.1	82.3	83.7
80°	70.3	66.9	65.7	63.8	63.4	63.4	63.1
82.5°	51.4	49.5	48.7	47.1	46.4	47.0	46.0
85°	26.6	25.1	24.7	24.7	23.9	23.2	25.1
87.5°	15.6	14.7	14.9	14.8	15.0	14.9	14.5
90°	29.2	30.8	32.2	33.2	34.2	35.2	36.2
92.5°	64.5	66.8	68.2	69.0	69.7	70.4	71.2
95°	123.2	125.5	127.0	127.7	128.4	129.0	129.7
97.5°	191.5	193.7	195.1	195.5	195.9	196.3	196.7
100°	239.8	242.8	244.7	245.3	246.0	246.7	247.3
102.5°	288.9	292.1	294.3	295.2	296.1	297.1	298.0
105°	366.5	368.5	370.0	371.0	372.0	373.0	374.0
107.5°	450.6	451.6	452.1	452.0	452.0	451.9	451.8
110°	509.8	510.8	511.1	510.8	510.4	510.1	509.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	568.5	568.9	568.9	568.3	567.7	567.1	566.5
115°	658.1	657.7	657.4	657.1	656.7	656.4	656.1
117.5°	749.2	749.4	748.9	747.5	746.2	744.9	743.5
120°	809.9	809.9	809.2	807.9	806.5	805.2	803.9
122.5°	869.4	869.1	868.5	867.4	866.3	865.2	864.2
125°	957.2	956.5	956.0	955.7	955.3	955.0	954.7
127.5°	1045.1	1044.7	1044.2	1043.5	1042.9	1042.2	1041.5
130°	1103.0	1102.6	1102.1	1101.5	1100.8	1100.1	1099.5
132.5°	1158.5	1158.1	1157.5	1156.6	1155.6	1154.7	1153.7
135°	1244.2	1244.2	1243.6	1242.2	1240.9	1239.5	1238.2
137.5°	1327.8	1328.2	1327.6	1325.9	1324.2	1322.5	1320.8
140°	1380.5	1381.1	1380.6	1379.0	1377.3	1375.6	1373.9
142.5°	1431.5	1432.0	1431.3	1429.6	1428.0	1426.3	1424.6
145°	1505.1	1505.1	1504.6	1503.6	1502.6	1501.6	1500.6
147.5°	1574.5	1575.3	1574.6	1572.3	1570.0	1567.8	1565.5
150°	1616.8	1616.8	1616.4	1615.7	1615.1	1614.4	1613.7
152.5°	1657.8	1658.6	1658.4	1657.2	1656.0	1654.8	1653.6
155°	1715.8	1717.1	1717.0	1715.3	1713.6	1711.9	1710.3
157.5°	1765.6	1766.9	1766.5	1764.2	1762.0	1759.8	1757.6
160°	1795.7	1797.1	1796.9	1795.2	1793.5	1791.9	1790.2
162.5°	1824.3	1825.9	1825.7	1823.8	1821.8	1819.9	1817.9
165°	1862.1	1863.4	1863.1	1861.1	1859.1	1857.1	1855.0
167.5°	1890.9	1892.9	1892.9	1890.8	1888.8	1886.7	1884.6
170°	1907.8	1909.8	1909.7	1907.3	1905.0	1902.6	1900.3
172.5°	1919.9	1921.9	1921.9	1919.8	1917.7	1915.6	1913.6
175°	1933.5	1935.5	1935.3	1933.0	1930.6	1928.3	1925.9
177.5°	1939.2	1940.8	1940.7	1938.8	1936.9	1935.0	1933.2
180°	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0	1938.0

(END OF REPORT)