

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: P333395-935

Luminaire Tested: **S125DIW-S610D1560U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333395-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D1560U935-4F0-1E-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: 6834.2 lumens
Efficiency: N/A
Efficacy: 112.8 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

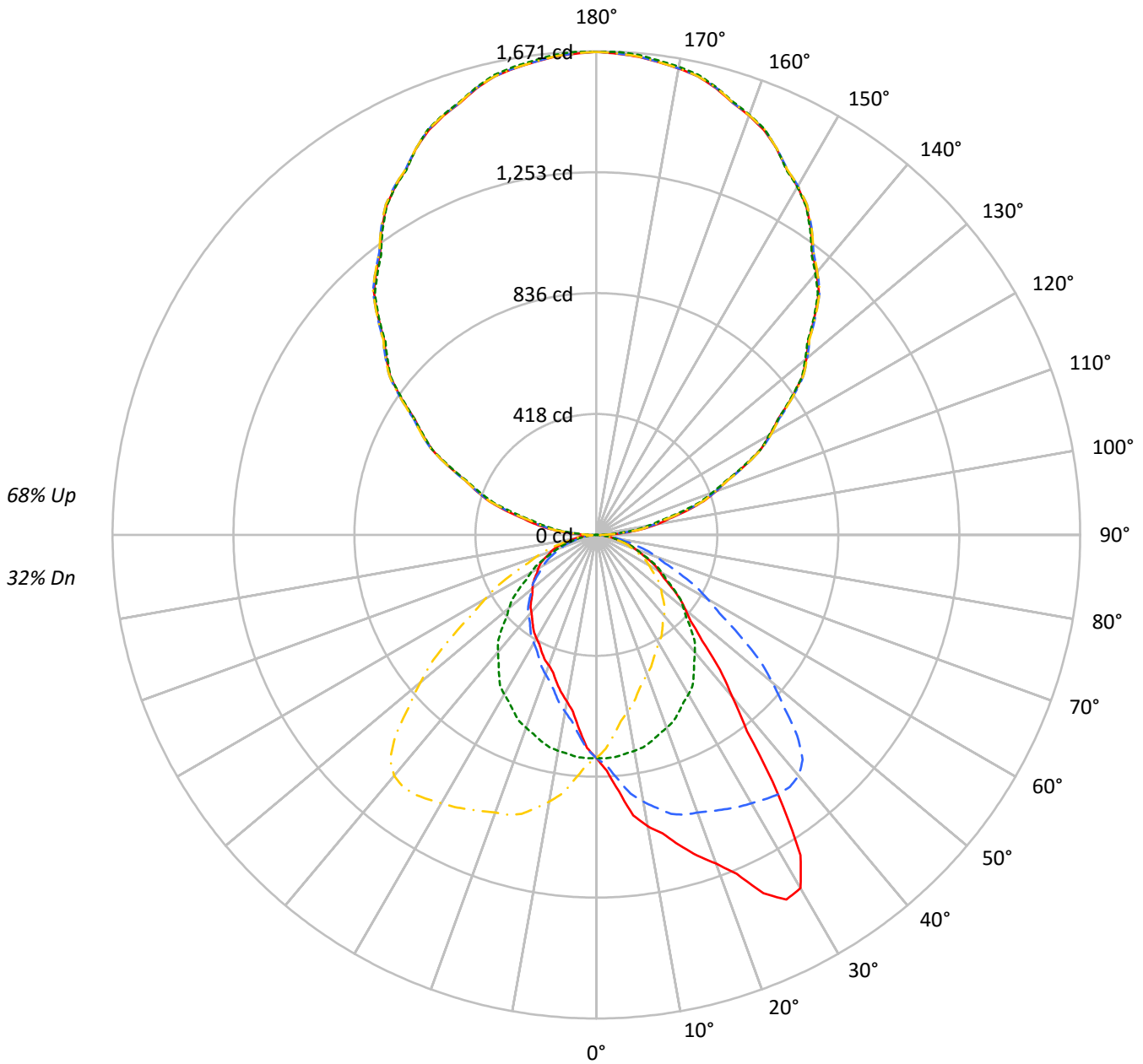
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4977	4977	4977	4977
5°	5763	4994	4372	4994
10°	6705	4968	3831	4968
15°	7422	4931	3534	4931
20°	8308	4874	3296	4874
25°	9733	4809	3180	4809
30°	10513	4744	3078	4744
35°	8643	4623	3012	4623
40°	6144	4457	2939	4457
45°	4720	4230	2898	4230
50°	4029	3950	2892	3950
55°	3587	3675	2917	3675
60°	3237	3375	2992	3375
65°	2989	3073	3069	3073
70°	2717	2761	3114	2761
75°	2400	2433	3084	2433
80°	2020	1982	2823	1982
85°	1601	1430	2275	1430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.1
10°-20°	220.9	3.2
20°-30°	358.6	5.2
30°-40°	437.5	6.4
40°-50°	398.0	5.8
50°-60°	317.0	4.6
60°-70°	220.8	3.2
70°-80°	117.7	1.7
80°-90°	33.4	0.5
90°-100°	111.8	1.6
100°-110°	330.0	4.8
110°-120°	559.0	8.2
120°-130°	735.7	10.8
130°-140°	824.3	12.1
140°-150°	807.9	11.8
150°-160°	678.6	9.9
160°-170°	451.1	6.6
170°-180°	157.9	2.3
0°-30°	653.7	9.6
0°-40°	1091.2	16.0
0°-60°	1806.2	26.4
0°-90°	2178.1	31.9
90°-120°	1000.8	14.6
90°-150°	3368.6	49.3
90°-180°	4656.0	68.1
0°-180°	6834.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	771	771	771	771	771	
5°	889	770	674	770	889	90
15°	1110	738	529	738	1110	318
25°	1366	675	446	675	1366	624
35°	1096	586	382	586	1096	671
45°	517	463	317	463	517	414
55°	319	326	259	326	319	287
65°	196	201	201	201	196	194
75°	96	98	124	98	96	104
85°	22	19	31	19	22	26
90°	31	1	31	1	31	19
95°	112	84	112	84	112	114
105°	322	296	322	296	322	341
115°	565	560	565	560	565	559
125°	822	817	822	817	822	734
135°	1066	1062	1066	1062	1066	822
145°	1292	1287	1292	1287	1292	807
155°	1473	1473	1473	1473	1473	678
165°	1597	1601	1597	1601	1597	450
175°	1658	1665	1658	1665	1658	158
180°	1669	1669	1669	1669	1669	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	815.1	814.0	813.0	810.9	812.4	808.0	805.9	802.3	797.8	796.3	794.4
5°	889.0	890.6	892.3	885.4	886.1	881.5	871.0	862.5	855.7	846.8	840.6
7.5°	977.9	974.0	973.8	969.3	961.7	955.5	944.5	930.5	917.0	901.6	888.8
10°	1022.4	1022.8	1019.9	1014.6	1006.4	1000.5	986.1	972.4	955.7	936.1	922.0
12.5°	1055.9	1057.3	1053.6	1046.5	1042.5	1029.3	1018.0	1001.7	981.9	966.2	944.8
15°	1110.1	1106.5	1103.9	1095.0	1088.1	1074.4	1056.4	1039.4	1017.9	997.9	977.9
17.5°	1162.3	1165.2	1160.3	1152.2	1130.9	1114.8	1090.7	1067.5	1040.5	1013.8	990.0
20°	1208.8	1211.5	1203.9	1189.9	1164.4	1148.3	1116.6	1086.5	1055.5	1021.1	995.0
22.5°	1267.0	1264.9	1254.7	1233.3	1211.3	1181.6	1147.3	1110.6	1071.7	1032.9	998.1
25°	1365.9	1352.1	1345.9	1319.4	1290.3	1246.8	1199.7	1146.1	1097.7	1046.3	1001.9
27.5°	1420.6	1416.3	1409.5	1390.9	1360.4	1313.9	1258.4	1193.0	1124.6	1059.9	1001.6
30°	1409.7	1410.3	1411.0	1405.1	1385.5	1350.5	1295.2	1224.9	1143.8	1070.8	1003.5
32.5°	1312.3	1324.2	1335.7	1349.1	1354.6	1347.9	1313.3	1249.7	1166.3	1083.4	1002.4
35°	1096.3	1099.9	1137.0	1173.5	1223.2	1261.9	1287.7	1259.6	1189.2	1094.1	1001.2
37.5°	854.8	872.5	898.1	939.5	1011.2	1075.5	1158.1	1196.1	1173.4	1097.5	998.8
40°	728.8	745.1	761.7	803.9	864.4	942.3	1036.1	1116.3	1135.0	1086.5	991.0
42.5°	631.4	644.4	662.9	694.6	745.1	814.1	903.8	1008.5	1072.9	1054.6	974.6
45°	516.8	525.0	539.3	564.6	601.2	655.1	734.3	848.8	948.5	981.5	935.4
47.5°	442.3	442.3	453.5	470.9	497.3	543.1	601.7	691.4	797.9	876.8	873.1
50°	401.0	399.3	408.2	423.3	444.2	474.6	530.5	602.2	704.6	793.8	818.6
52.5°	365.4	365.6	371.0	382.1	399.7	425.7	467.4	532.0	619.5	711.1	757.9
55°	318.6	317.3	323.5	331.0	343.8	360.8	390.9	440.2	511.2	601.5	662.3
57.5°	275.7	279.2	281.7	287.0	297.6	308.9	334.3	370.6	426.9	504.4	568.7
60°	250.6	254.2	256.1	261.3	269.8	279.7	299.3	328.7	376.2	442.9	506.6
62.5°	228.0	230.8	231.5	236.2	243.1	252.7	268.1	292.8	330.4	388.7	451.2
65°	195.6	195.6	196.9	201.8	205.1	213.6	225.3	243.3	273.5	318.9	372.2
67.5°	164.3	165.9	165.6	167.7	170.7	177.4	185.8	200.6	222.9	256.1	298.8
70°	143.9	145.3	144.9	146.5	149.8	154.0	160.9	175.0	191.0	219.5	256.1
72.5°	125.6	126.1	125.3	127.4	129.4	133.1	140.8	148.3	163.2	187.3	217.4
75°	96.2	96.8	97.5	98.8	100.7	102.7	106.6	114.2	124.0	142.0	161.3
77.5°	72.1	70.9	72.4	72.2	73.4	74.8	78.3	82.3	90.3	101.7	116.7
80°	54.3	54.6	54.6	54.9	56.6	57.6	60.5	63.5	69.7	78.2	88.6
82.5°	39.6	40.5	40.0	40.6	41.9	42.6	44.3	46.7	50.3	57.0	64.6
85°	21.6	20.0	20.6	21.3	21.3	21.6	22.9	23.8	25.8	28.4	31.4
87.5°	12.5	12.8	12.9	12.7	12.8	12.7	13.4	13.1	13.6	14.1	14.7
90°	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7	22.2	20.8	18.8
92.5°	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6	51.7	49.9	47.4
95°	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0	102.0	100.0	97.1
97.5°	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0	161.1	159.2	155.2
100°	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9	201.3	198.6	194.9
102.5°	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9	243.1	240.2	238.3
105°	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8	312.1	310.4	308.6
107.5°	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1	386.2	385.4	384.1
110°	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1	437.1	436.3	435.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0	488.6	488.3	487.2
115°	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9	567.1	567.5	566.9
117.5°	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8	644.5	644.4	643.8
120°	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3	697.3	697.3	697.0
122.5°	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8	749.0	749.2	748.5
125°	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8	825.3	825.9	825.6
127.5°	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1	900.3	900.7	900.3
130°	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9	950.2	950.5	949.9
132.5°	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7	998.0	998.3	998.4
135°	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3	1071.3	1071.3	1071.0
137.5°	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9	1142.5	1142.2	1141.5
140°	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0	1187.4	1186.9	1186.0
142.5°	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2	1231.8	1231.5	1230.5
145°	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9	1295.9	1295.9	1295.0
147.5°	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0	1354.3	1353.6	1352.9
150°	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1	1392.1	1392.1	1390.9
152.5°	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7	1426.0	1425.3	1424.8
155°	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1	1475.0	1473.9	1473.5
157.5°	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0	1517.9	1516.7	1516.4
160°	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0	1543.8	1542.7	1542.4
162.5°	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3	1568.0	1566.5	1566.5
165°	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1	1600.9	1599.8	1599.5
167.5°	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3	1624.6	1622.9	1622.9
170°	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9	1639.2	1637.4	1637.4
172.5°	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3	1649.6	1647.9	1647.9
175°	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0	1661.2	1659.5	1659.5
177.5°	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3	1666.9	1665.5	1665.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	792.8	791.0	788.9	785.2	780.8	778.4	774.8	772.4	767.7	763.8	759.6
5°	833.0	824.6	816.7	806.6	795.5	788.2	779.7	770.3	760.4	750.3	739.2
7.5°	874.7	859.7	843.3	825.7	808.6	792.7	777.6	762.8	748.9	732.1	717.9
10°	902.8	883.7	863.5	839.6	816.4	796.1	775.5	757.5	739.2	719.5	702.2
12.5°	930.7	905.4	876.8	850.6	822.7	798.2	774.0	751.0	728.0	706.2	686.0
15°	950.5	928.2	901.7	864.4	833.0	799.4	767.3	737.5	709.7	685.5	660.0
17.5°	963.5	934.9	906.4	870.6	829.5	791.8	755.4	721.4	690.1	659.4	634.8
20°	965.9	936.4	906.6	871.7	829.5	786.3	750.0	709.1	675.4	643.7	613.5
22.5°	965.1	931.7	899.3	863.2	822.2	782.4	738.5	696.8	660.2	629.0	597.6
25°	957.7	922.0	881.5	845.2	804.6	762.4	717.9	674.8	637.5	601.8	570.8
27.5°	951.5	905.3	859.4	817.0	777.8	739.2	696.6	652.4	611.1	574.9	545.6
30°	943.9	893.2	841.5	797.4	757.2	719.5	679.3	636.2	593.0	557.7	526.2
32.5°	937.1	878.0	823.5	775.4	732.9	696.3	659.2	618.1	575.8	539.8	508.5
35°	924.0	855.7	793.2	738.8	693.4	655.8	624.7	586.4	547.5	512.8	482.8
37.5°	907.3	826.2	759.1	702.2	652.4	612.8	583.8	554.5	517.1	483.7	456.5
40°	894.2	805.3	734.3	676.1	624.4	583.2	556.4	528.6	497.5	466.4	437.6
42.5°	877.7	786.4	709.1	646.5	595.4	555.2	527.0	503.4	476.0	447.0	420.3
45°	847.5	752.3	668.6	601.2	549.5	509.9	480.8	463.1	442.6	415.1	392.5
47.5°	802.9	711.3	624.7	555.1	501.8	465.1	437.8	420.9	406.4	386.0	365.5
50°	763.4	680.6	593.0	524.0	470.6	433.7	408.5	393.1	380.7	365.0	347.7
52.5°	719.2	642.1	561.9	493.6	440.8	404.4	379.7	366.2	355.9	344.6	327.5
55°	648.9	583.5	508.9	444.2	395.5	359.8	338.2	326.4	317.9	309.4	298.9
57.5°	571.5	520.4	454.3	395.1	350.3	317.8	297.6	286.2	279.6	275.2	269.1
60°	517.1	473.3	416.4	362.4	318.6	289.8	270.2	261.3	255.8	252.2	247.6
62.5°	466.6	430.6	377.9	328.6	290.3	263.1	245.6	237.0	231.7	230.0	226.1
65°	392.2	364.4	320.9	280.0	247.3	224.0	209.3	201.1	197.9	195.9	196.2
67.5°	318.8	301.9	267.0	232.1	206.0	186.5	174.7	168.4	166.8	164.2	164.1
70°	274.1	261.3	231.9	201.5	178.2	163.2	152.7	146.2	144.6	143.3	142.9
72.5°	234.5	223.4	197.9	173.5	152.7	139.4	130.8	126.8	124.2	123.4	123.3
75°	176.3	170.0	149.8	130.5	116.1	106.9	101.1	97.5	95.5	95.1	95.5
77.5°	125.4	119.9	107.0	93.3	84.3	77.3	72.3	71.1	68.9	69.0	68.6
80°	94.2	90.6	82.4	71.6	64.1	58.2	55.6	53.3	52.7	51.7	52.7
82.5°	68.3	64.4	58.9	52.0	45.8	42.3	39.6	38.9	38.5	38.1	38.2
85°	33.7	34.0	30.7	25.5	22.9	20.9	19.3	19.3	18.9	18.7	18.9
87.5°	14.9	13.9	12.5	11.3	9.5	8.3	7.5	7.3	7.0	7.2	7.9
90°	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3	3.6	5.9	8.3
92.5°	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4	33.1	34.7	36.2
95°	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4	85.0	85.6	86.1
97.5°	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3	140.4	140.7	140.9
100°	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
102.5°	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4	227.6	228.8	229.9
105°	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1	297.5	298.9	300.4
107.5°	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9	374.4	375.8	377.3
110°	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9	427.4	428.8	430.2



TEST NUMBER: P333395-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9	480.7	481.5	482.2
115°	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6	560.9	562.0	563.1
117.5°	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6	640.2	640.7	641.2
120°	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5	691.0	692.4	693.9
122.5°	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6	744.1	744.6	745.1
125°	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7	818.5	820.3	822.0
127.5°	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7	895.7	896.6	897.6
130°	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4	942.9	944.3	945.7
132.5°	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2	990.6	992.9	995.3
135°	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2	1063.9	1065.7	1067.4
137.5°	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8	1133.5	1135.1	1136.8
140°	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5	1177.9	1179.3	1180.8
142.5°	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2	1222.4	1223.6	1224.8
145°	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9	1288.0	1289.2	1290.3
147.5°	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6	1348.2	1348.8	1349.5
150°	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1	1387.8	1387.6	1387.2
152.5°	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3	1421.8	1422.2	1422.5
155°	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2	1517.6	1517.0	1516.3
160°	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2	1544.4	1543.5	1542.7
162.5°	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2	1568.5	1567.9	1567.3
165°	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1	1600.5	1599.9	1599.4
167.5°	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1	1626.9	1625.8	1624.6
170°	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6	1641.5	1640.3	1639.2
172.5°	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0	1651.9	1650.7	1649.6
175°	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7	1663.5	1662.4	1661.2
177.5°	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7	1669.7	1668.9	1667.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	757.2	754.3	752.0	746.7	743.9	739.9	736.8	740.2	736.6	738.1	735.8
5°	733.7	724.4	717.9	708.4	700.3	692.8	687.2	686.2	683.5	682.3	678.4
7.5°	705.2	693.8	682.5	670.1	659.6	649.0	642.1	636.5	632.8	627.9	624.6
10°	688.5	673.1	660.0	645.0	631.9	620.4	611.3	606.7	602.4	596.2	594.0
12.5°	667.8	651.9	635.9	619.8	607.3	594.5	586.7	579.8	576.9	569.8	569.1
15°	643.0	619.1	603.5	587.1	569.7	559.3	552.8	545.3	542.0	537.1	533.5
17.5°	613.5	592.1	572.5	555.6	540.7	531.9	523.7	518.6	513.0	509.8	503.9
20°	592.0	571.7	552.1	534.1	522.6	512.6	506.0	501.1	495.2	493.5	487.7
22.5°	573.9	551.6	532.7	517.6	505.1	493.7	486.6	483.3	479.2	474.2	473.0
25°	544.6	521.3	505.3	490.3	479.1	468.7	463.8	459.5	455.6	452.0	450.7
27.5°	519.2	498.4	479.4	465.8	456.2	446.6	442.3	437.1	434.2	431.4	427.8
30°	501.4	480.2	463.5	450.4	439.9	431.4	426.8	423.3	420.6	418.0	416.0
32.5°	483.1	463.4	447.2	434.5	424.0	417.6	413.5	411.0	408.0	404.9	402.4
35°	458.9	437.3	421.6	410.4	402.3	397.4	392.8	390.5	387.3	387.3	384.6
37.5°	431.6	412.9	399.1	388.9	381.6	377.2	372.3	370.7	368.6	367.2	366.4
40°	415.3	398.0	385.0	374.8	367.0	363.3	359.5	356.8	355.5	353.9	353.3
42.5°	398.6	382.1	369.5	360.2	353.4	350.3	346.6	344.8	342.2	340.0	339.7
45°	373.2	357.1	345.7	338.2	332.3	328.7	326.4	322.5	321.2	318.6	318.2
47.5°	349.0	333.6	322.4	316.2	311.1	308.2	304.5	300.7	299.1	297.8	297.7
50°	331.0	316.9	306.4	300.6	295.7	291.4	287.8	285.2	284.2	284.2	284.9
52.5°	312.7	300.7	291.8	284.6	280.0	275.4	272.2	270.5	269.1	270.6	271.8
55°	285.9	273.8	267.3	260.4	255.8	250.6	248.9	248.2	247.3	249.9	251.2
57.5°	257.4	249.0	241.3	234.5	230.4	227.4	225.2	224.8	226.6	227.8	232.1
60°	239.4	229.6	222.7	217.5	212.6	210.6	210.0	209.3	210.6	214.2	219.8
62.5°	219.6	211.5	204.1	200.3	196.7	193.4	193.2	193.6	196.2	200.4	206.0
65°	190.4	183.5	178.6	174.0	171.1	169.1	169.8	171.1	174.0	179.6	185.8
67.5°	160.7	156.0	151.6	147.9	145.1	145.1	145.8	147.7	151.2	157.6	163.2
70°	141.6	136.4	132.8	131.1	128.9	127.6	129.5	132.8	135.7	141.6	146.5
72.5°	122.5	118.0	115.3	114.2	113.1	112.1	112.8	116.3	120.3	126.2	131.9
75°	94.2	92.6	90.6	89.3	88.3	88.9	89.6	92.9	96.2	102.4	108.9
77.5°	68.8	67.1	65.9	65.5	65.0	65.3	67.2	69.6	72.8	77.3	82.3
80°	52.0	51.3	50.7	50.4	50.4	50.7	53.3	54.9	57.9	62.2	66.0
82.5°	37.9	37.5	37.4	37.3	37.5	37.6	39.2	41.3	43.7	47.0	50.4
85°	20.0	19.3	20.3	20.6	20.0	20.9	21.6	22.9	23.8	25.5	27.1
87.5°	8.6	9.6	9.7	10.4	10.8	11.7	11.8	13.1	13.9	14.7	14.7
90°	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7	25.1	26.5	27.7
92.5°	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6	55.5	57.5	58.7
95°	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0	106.1	108.1	109.3
97.5°	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0	164.9	166.8	168.0
100°	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9	206.5	209.1	210.7
102.5°	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9	248.7	251.5	253.4
105°	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8	315.6	317.3	318.6
107.5°	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1	388.0	388.8	389.3
110°	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1	438.9	439.8	440.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0	489.5	489.8	489.8
115°	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9	566.6	566.3	566.0
117.5°	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8	645.1	645.2	644.8
120°	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3	697.3	697.3	696.7
122.5°	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8	748.6	748.3	747.8
125°	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8	824.1	823.5	823.1
127.5°	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1	899.8	899.5	899.1
130°	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9	949.7	949.3	948.9
132.5°	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7	997.5	997.1	996.6
135°	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3	1071.3	1071.3	1070.7
137.5°	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9	1143.2	1143.6	1143.1
140°	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0	1188.6	1189.1	1188.7
142.5°	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2	1232.5	1233.0	1232.3
145°	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9	1295.9	1295.9	1295.5
147.5°	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0	1355.6	1356.3	1355.7
150°	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1	1392.1	1392.1	1391.7
152.5°	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7	1427.4	1428.1	1427.9
155°	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1	1477.3	1478.4	1478.3
157.5°	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0	1520.2	1521.3	1521.0
160°	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0	1546.1	1547.3	1547.1
162.5°	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3	1570.7	1572.1	1571.9
165°	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1	1603.3	1604.4	1604.1
167.5°	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3	1628.1	1629.8	1629.8
170°	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9	1642.6	1644.3	1644.3
172.5°	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3	1653.0	1654.8	1654.8
175°	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0	1664.7	1666.5	1666.3
177.5°	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3	1669.7	1671.0	1670.9
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	734.2	736.1	734.5	736.6	734.5	736.1	734.2	735.8	738.1	736.6	740.2
5°	676.7	673.7	675.7	674.4	675.7	673.7	676.7	678.4	682.3	683.5	686.2
7.5°	623.6	620.8	617.6	616.0	617.6	620.8	623.6	624.6	627.9	632.8	636.5
10°	590.4	586.8	586.4	584.2	586.4	586.8	590.4	594.0	596.2	602.4	606.7
12.5°	566.0	562.7	559.0	558.0	559.0	562.7	566.0	569.1	569.8	576.9	579.8
15°	531.5	528.9	526.6	528.6	526.6	528.9	531.5	533.5	537.1	542.0	545.3
17.5°	502.7	500.6	500.2	497.8	500.2	500.6	502.7	503.9	509.8	513.0	518.6
20°	484.7	483.1	483.7	479.5	483.7	483.1	484.7	487.7	493.5	495.2	501.1
22.5°	470.4	467.1	466.7	465.9	466.7	467.1	470.4	473.0	474.2	479.2	483.3
25°	447.8	446.2	444.5	446.2	444.5	446.2	447.8	450.7	452.0	455.6	459.5
27.5°	428.1	426.1	425.7	425.9	425.7	426.1	428.1	427.8	431.4	434.2	437.1
30°	416.0	412.8	413.1	412.8	413.1	412.8	416.0	416.0	418.0	420.6	423.3
32.5°	402.9	400.7	400.3	399.7	400.3	400.7	402.9	402.4	404.9	408.0	411.0
35°	383.7	383.7	382.0	382.0	382.0	383.7	383.7	384.6	387.3	387.3	390.5
37.5°	365.5	365.2	364.2	364.4	364.2	365.2	365.5	366.4	367.2	368.6	370.7
40°	351.9	351.6	350.6	348.6	350.6	351.6	351.9	353.3	353.9	355.5	356.8
42.5°	338.9	337.8	337.3	336.7	337.3	337.8	338.9	339.7	340.0	342.2	344.8
45°	318.2	318.2	317.6	317.3	317.6	318.2	318.2	318.2	318.6	321.2	322.5
47.5°	298.3	298.9	300.1	299.9	300.1	298.9	298.3	297.7	297.8	299.1	300.7
50°	286.2	286.5	287.5	287.8	287.5	286.5	286.2	284.9	284.2	284.2	285.2
52.5°	272.9	274.7	276.0	275.8	276.0	274.7	272.9	271.8	270.6	269.1	270.5
55°	254.2	256.4	258.7	259.1	258.7	256.4	254.2	251.2	249.9	247.3	248.2
57.5°	235.7	238.8	241.3	242.0	241.3	238.8	235.7	232.1	227.8	226.6	224.8
60°	223.1	227.3	230.2	231.6	230.2	227.3	223.1	219.8	214.2	210.6	209.3
62.5°	211.0	215.8	218.8	219.0	218.8	215.8	211.0	206.0	200.4	196.2	193.6
65°	191.3	196.2	198.9	200.8	198.9	196.2	191.3	185.8	179.6	174.0	171.1
67.5°	170.1	175.0	178.0	179.5	178.0	175.0	170.1	163.2	157.6	151.2	147.7
70°	154.7	159.6	163.5	164.9	163.5	159.6	154.7	146.5	141.6	135.7	132.8
72.5°	139.6	143.9	147.1	148.6	147.1	143.9	139.6	131.9	126.2	120.3	116.3
75°	113.1	119.1	122.0	123.6	122.0	119.1	113.1	108.9	102.4	96.2	92.9
77.5°	87.3	92.6	94.4	95.2	94.4	92.6	87.3	82.3	77.3	72.8	69.6
80°	70.0	73.3	75.6	75.9	75.6	73.3	70.0	66.0	62.2	57.9	54.9
82.5°	53.8	56.5	57.3	58.1	57.3	56.5	53.8	50.4	47.0	43.7	41.3
85°	29.4	30.7	31.1	30.7	31.1	30.7	29.4	27.1	25.5	23.8	22.9
87.5°	15.4	15.3	15.5	16.2	15.5	15.3	15.4	14.7	14.7	13.9	13.1
90°	28.6	29.4	30.3	31.2	30.3	29.4	28.6	27.7	26.5	25.1	23.7
92.5°	59.4	60.0	60.6	61.3	60.6	60.0	59.4	58.7	57.5	55.5	53.6
95°	109.9	110.6	111.1	111.7	111.1	110.6	109.9	109.3	108.1	106.1	104.0
97.5°	168.3	168.7	169.0	169.4	169.0	168.7	168.3	168.0	166.8	164.9	163.0
100°	211.2	211.8	212.4	212.9	212.4	211.8	211.2	210.7	209.1	206.5	203.9
102.5°	254.2	254.9	255.8	256.6	255.8	254.9	254.2	253.4	251.5	248.7	245.9
105°	319.4	320.3	321.2	322.0	321.2	320.3	319.4	318.6	317.3	315.6	313.8
107.5°	389.2	389.2	389.1	389.0	389.1	389.2	389.2	389.3	388.8	388.0	387.1
110°	439.8	439.5	439.2	438.9	439.2	439.5	439.8	440.1	439.8	438.9	438.1



TEST NUMBER: P333395-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	489.3	488.8	488.3	487.8	488.3	488.8	489.3	489.8	489.8	489.5	489.0
115°	565.8	565.4	565.2	564.9	565.2	565.4	565.8	566.0	566.3	566.6	566.9
117.5°	643.6	642.5	641.4	640.2	641.4	642.5	643.6	644.8	645.2	645.1	644.8
120°	695.6	694.4	693.3	692.2	693.3	694.4	695.6	696.7	697.3	697.3	697.3
122.5°	746.8	745.9	744.9	744.1	744.9	745.9	746.8	747.8	748.3	748.6	748.8
125°	822.9	822.5	822.3	822.0	822.3	822.5	822.9	823.1	823.5	824.1	824.8
127.5°	898.5	897.9	897.3	896.7	897.3	897.9	898.5	899.1	899.5	899.8	900.1
130°	948.4	947.8	947.2	946.7	947.2	947.8	948.4	948.9	949.3	949.7	949.9
132.5°	995.8	995.0	994.2	993.3	994.2	995.0	995.8	996.6	997.1	997.5	997.7
135°	1069.5	1068.4	1067.2	1066.1	1067.2	1068.4	1069.5	1070.7	1071.3	1071.3	1071.3
137.5°	1141.6	1140.1	1138.7	1137.2	1138.7	1140.1	1141.6	1143.1	1143.6	1143.2	1142.9
140°	1187.3	1185.9	1184.4	1182.9	1184.4	1185.9	1187.3	1188.7	1189.1	1188.6	1188.0
142.5°	1230.9	1229.5	1228.0	1226.6	1228.0	1229.5	1230.9	1232.3	1233.0	1232.5	1232.2
145°	1294.6	1293.7	1292.9	1292.0	1292.9	1293.7	1294.6	1295.5	1295.9	1295.9	1295.9
147.5°	1353.8	1351.8	1349.9	1347.9	1349.9	1351.8	1353.8	1355.7	1356.3	1355.6	1355.0
150°	1391.1	1390.6	1390.0	1389.4	1390.0	1390.6	1391.1	1391.7	1392.1	1392.1	1392.1
152.5°	1426.8	1425.8	1424.8	1423.7	1424.8	1425.8	1426.8	1427.9	1428.1	1427.4	1426.7
155°	1476.9	1475.4	1473.9	1472.6	1473.9	1475.4	1476.9	1478.3	1478.4	1477.3	1476.1
157.5°	1519.0	1517.1	1515.2	1513.3	1515.2	1517.1	1519.0	1521.0	1521.3	1520.2	1519.0
160°	1545.7	1544.2	1542.8	1541.4	1542.8	1544.2	1545.7	1547.1	1547.3	1546.1	1545.0
162.5°	1570.3	1568.6	1566.9	1565.2	1566.9	1568.6	1570.3	1571.9	1572.1	1570.7	1569.3
165°	1602.4	1600.7	1599.0	1597.2	1599.0	1600.7	1602.4	1604.1	1604.4	1603.3	1602.1
167.5°	1628.0	1626.3	1624.4	1622.6	1624.4	1626.3	1628.0	1629.8	1629.8	1628.1	1626.3
170°	1642.2	1640.2	1638.1	1636.2	1638.1	1640.2	1642.2	1644.3	1644.3	1642.6	1640.9
172.5°	1652.9	1651.1	1649.3	1647.6	1649.3	1651.1	1652.9	1654.8	1654.8	1653.0	1651.3
175°	1664.3	1662.2	1660.3	1658.2	1660.3	1662.2	1664.3	1666.3	1666.5	1664.7	1663.0
177.5°	1669.3	1667.7	1666.0	1664.5	1666.0	1667.7	1669.3	1670.9	1671.0	1669.7	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



TEST NUMBER: P333395-935

CATALOG NUMBER: S125DIW-S610D1560U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	736.8	739.9	743.9	746.7	752.0	754.3	757.2	759.6	763.8	767.7	772.4
5°	687.2	692.8	700.3	708.4	717.9	724.4	733.7	739.2	750.3	760.4	770.3
7.5°	642.1	649.0	659.6	670.1	682.5	693.8	705.2	717.9	732.1	748.9	762.8
10°	611.3	620.4	631.9	645.0	660.0	673.1	688.5	702.2	719.5	739.2	757.5
12.5°	586.7	594.5	607.3	619.8	635.9	651.9	667.8	686.0	706.2	728.0	751.0
15°	552.8	559.3	569.7	587.1	603.5	619.1	643.0	660.0	685.5	709.7	737.5
17.5°	523.7	531.9	540.7	555.6	572.5	592.1	613.5	634.8	659.4	690.1	721.4
20°	506.0	512.6	522.6	534.1	552.1	571.7	592.0	613.5	643.7	675.4	709.1
22.5°	486.6	493.7	505.1	517.6	532.7	551.6	573.9	597.6	629.0	660.2	696.8
25°	463.8	468.7	479.1	490.3	505.3	521.3	544.6	570.8	601.8	637.5	674.8
27.5°	442.3	446.6	456.2	465.8	479.4	498.4	519.2	545.6	574.9	611.1	652.4
30°	426.8	431.4	439.9	450.4	463.5	480.2	501.4	526.2	557.7	593.0	636.2
32.5°	413.5	417.6	424.0	434.5	447.2	463.4	483.1	508.5	539.8	575.8	618.1
35°	392.8	397.4	402.3	410.4	421.6	437.3	458.9	482.8	512.8	547.5	586.4
37.5°	372.3	377.2	381.6	388.9	399.1	412.9	431.6	456.5	483.7	517.1	554.5
40°	359.5	363.3	367.0	374.8	385.0	398.0	415.3	437.6	466.4	497.5	528.6
42.5°	346.6	350.3	353.4	360.2	369.5	382.1	398.6	420.3	447.0	476.0	503.4
45°	326.4	328.7	332.3	338.2	345.7	357.1	373.2	392.5	415.1	442.6	463.1
47.5°	304.5	308.2	311.1	316.2	322.4	333.6	349.0	365.5	386.0	406.4	420.9
50°	287.8	291.4	295.7	300.6	306.4	316.9	331.0	347.7	365.0	380.7	393.1
52.5°	272.2	275.4	280.0	284.6	291.8	300.7	312.7	327.5	344.6	355.9	366.2
55°	248.9	250.6	255.8	260.4	267.3	273.8	285.9	298.9	309.4	317.9	326.4
57.5°	225.2	227.4	230.4	234.5	241.3	249.0	257.4	269.1	275.2	279.6	286.2
60°	210.0	210.6	212.6	217.5	222.7	229.6	239.4	247.6	252.2	255.8	261.3
62.5°	193.2	193.4	196.7	200.3	204.1	211.5	219.6	226.1	230.0	231.7	237.0
65°	169.8	169.1	171.1	174.0	178.6	183.5	190.4	196.2	195.9	197.9	201.1
67.5°	145.8	145.1	145.1	147.9	151.6	156.0	160.7	164.1	164.2	166.8	168.4
70°	129.5	127.6	128.9	131.1	132.8	136.4	141.6	142.9	143.3	144.6	146.2
72.5°	112.8	112.1	113.1	114.2	115.3	118.0	122.5	123.3	123.4	124.2	126.8
75°	89.6	88.9	88.3	89.3	90.6	92.6	94.2	95.5	95.1	95.5	97.5
77.5°	67.2	65.3	65.0	65.5	65.9	67.1	68.8	68.6	69.0	68.9	71.1
80°	53.3	50.7	50.4	50.4	50.7	51.3	52.0	52.7	51.7	52.7	53.3
82.5°	39.2	37.6	37.5	37.3	37.4	37.5	37.9	38.2	38.1	38.5	38.9
85°	21.6	20.9	20.0	20.6	20.3	19.3	20.0	18.9	18.7	18.9	19.3
87.5°	11.8	11.7	10.8	10.4	9.7	9.6	8.6	7.9	7.2	7.0	7.3
90°	22.2	20.8	18.8	16.7	14.7	12.7	10.5	8.3	5.9	3.6	1.3
92.5°	51.7	49.9	47.4	44.9	42.4	40.0	37.9	36.2	34.7	33.1	31.4
95°	102.0	100.0	97.1	94.2	91.4	88.4	86.7	86.1	85.6	85.0	84.4
97.5°	161.1	159.2	155.2	151.3	147.2	143.3	141.2	140.9	140.7	140.4	140.3
100°	201.3	198.6	194.9	191.1	187.4	183.7	181.8	181.8	181.8	181.8	181.8
102.5°	243.1	240.2	238.3	236.4	234.5	232.6	231.1	229.9	228.8	227.6	226.4
105°	312.1	310.4	308.6	306.9	305.1	303.4	301.9	300.4	298.9	297.5	296.1
107.5°	386.2	385.4	384.1	382.7	381.4	380.1	378.7	377.3	375.8	374.4	372.9
110°	437.1	436.3	435.4	434.5	433.7	432.8	431.7	430.2	428.8	427.4	425.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	488.6	488.3	487.2	486.0	484.9	483.9	482.9	482.2	481.5	480.7	479.9
115°	567.1	567.5	566.9	566.3	565.8	565.2	564.3	563.1	562.0	560.9	559.6
117.5°	644.5	644.4	643.8	643.3	642.7	642.2	641.7	641.2	640.7	640.2	639.6
120°	697.3	697.3	697.0	696.7	696.5	696.1	695.3	693.9	692.4	691.0	689.5
122.5°	749.0	749.2	748.5	747.8	747.0	746.2	745.6	745.1	744.6	744.1	743.6
125°	825.3	825.9	825.6	825.3	825.0	824.8	823.7	822.0	820.3	818.5	816.7
127.5°	900.3	900.7	900.3	900.0	899.7	899.3	898.6	897.6	896.6	895.7	894.7
130°	950.2	950.5	949.9	949.3	948.8	948.2	947.2	945.7	944.3	942.9	941.4
132.5°	998.0	998.3	998.4	998.5	998.7	998.8	997.6	995.3	992.9	990.6	988.2
135°	1071.3	1071.3	1071.0	1070.7	1070.4	1070.1	1069.1	1067.4	1065.7	1063.9	1062.2
137.5°	1142.5	1142.2	1141.5	1140.9	1140.3	1139.6	1138.5	1136.8	1135.1	1133.5	1131.8
140°	1187.4	1186.9	1186.0	1185.2	1184.2	1183.4	1182.2	1180.8	1179.3	1177.9	1176.5
142.5°	1231.8	1231.5	1230.5	1229.3	1228.2	1227.1	1226.0	1224.8	1223.6	1222.4	1221.2
145°	1295.9	1295.9	1295.0	1294.2	1293.3	1292.4	1291.5	1290.3	1289.2	1288.0	1286.9
147.5°	1354.3	1353.6	1352.9	1352.2	1351.5	1350.8	1350.1	1349.5	1348.8	1348.2	1347.6
150°	1392.1	1392.1	1390.9	1389.7	1388.5	1387.4	1387.0	1387.2	1387.6	1387.8	1388.1
152.5°	1426.0	1425.3	1424.8	1424.4	1423.9	1423.4	1423.0	1422.5	1422.2	1421.8	1421.3
155°	1475.0	1473.9	1473.5	1473.3	1473.0	1472.7	1472.6	1472.6	1472.6	1472.6	1472.6
157.5°	1517.9	1516.7	1516.4	1516.1	1515.8	1515.5	1515.7	1516.3	1517.0	1517.6	1518.2
160°	1543.8	1542.7	1542.4	1542.1	1541.8	1541.5	1541.8	1542.7	1543.5	1544.4	1545.2
162.5°	1568.0	1566.5	1566.5	1566.4	1566.3	1566.3	1566.6	1567.3	1567.9	1568.5	1569.2
165°	1600.9	1599.8	1599.5	1599.2	1599.0	1598.6	1598.8	1599.4	1599.9	1600.5	1601.1
167.5°	1624.6	1622.9	1622.9	1622.9	1622.9	1622.9	1623.5	1624.6	1625.8	1626.9	1628.1
170°	1639.2	1637.4	1637.4	1637.4	1637.4	1637.4	1638.1	1639.2	1640.3	1641.5	1642.6
172.5°	1649.6	1647.9	1647.9	1647.9	1647.9	1647.9	1648.4	1649.6	1650.7	1651.9	1653.0
175°	1661.2	1659.5	1659.5	1659.5	1659.5	1659.5	1660.1	1661.2	1662.4	1663.5	1664.7
177.5°	1666.9	1665.5	1665.7	1665.9	1666.2	1666.4	1667.0	1667.9	1668.9	1669.7	1670.7
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	774.8	778.4	780.8	785.2	788.9	791.0	792.8	794.4	796.3	797.8	802.3
5°	779.7	788.2	795.5	806.6	816.7	824.6	833.0	840.6	846.8	855.7	862.5
7.5°	777.6	792.7	808.6	825.7	843.3	859.7	874.7	888.8	901.6	917.0	930.5
10°	775.5	796.1	816.4	839.6	863.5	883.7	902.8	922.0	936.1	955.7	972.4
12.5°	774.0	798.2	822.7	850.6	876.8	905.4	930.7	944.8	966.2	981.9	1001.7
15°	767.3	799.4	833.0	864.4	901.7	928.2	950.5	977.9	997.9	1017.9	1039.4
17.5°	755.4	791.8	829.5	870.6	906.4	934.9	963.5	990.0	1013.8	1040.5	1067.5
20°	750.0	786.3	829.5	871.7	906.6	936.4	965.9	995.0	1021.1	1055.5	1086.5
22.5°	738.5	782.4	822.2	863.2	899.3	931.7	965.1	998.1	1032.9	1071.7	1110.6
25°	717.9	762.4	804.6	845.2	881.5	922.0	957.7	1001.9	1046.3	1097.7	1146.1
27.5°	696.6	739.2	777.8	817.0	859.4	905.3	951.5	1001.6	1059.9	1124.6	1193.0
30°	679.3	719.5	757.2	797.4	841.5	893.2	943.9	1003.5	1070.8	1143.8	1224.9
32.5°	659.2	696.3	732.9	775.4	823.5	878.0	937.1	1002.4	1083.4	1166.3	1249.7
35°	624.7	655.8	693.4	738.8	793.2	855.7	924.0	1001.2	1094.1	1189.2	1259.6
37.5°	583.8	612.8	652.4	702.2	759.1	826.2	907.3	998.8	1097.5	1173.4	1196.1
40°	556.4	583.2	624.4	676.1	734.3	805.3	894.2	991.0	1086.5	1135.0	1116.3
42.5°	527.0	555.2	595.4	646.5	709.1	786.4	877.7	974.6	1054.6	1072.9	1008.5
45°	480.8	509.9	549.5	601.2	668.6	752.3	847.5	935.4	981.5	948.5	848.8
47.5°	437.8	465.1	501.8	555.1	624.7	711.3	802.9	873.1	876.8	797.9	691.4
50°	408.5	433.7	470.6	524.0	593.0	680.6	763.4	818.6	793.8	704.6	602.2
52.5°	379.7	404.4	440.8	493.6	561.9	642.1	719.2	757.9	711.1	619.5	532.0
55°	338.2	359.8	395.5	444.2	508.9	583.5	648.9	662.3	601.5	511.2	440.2
57.5°	297.6	317.8	350.3	395.1	454.3	520.4	571.5	568.7	504.4	426.9	370.6
60°	270.2	289.8	318.6	362.4	416.4	473.3	517.1	506.6	442.9	376.2	328.7
62.5°	245.6	263.1	290.3	328.6	377.9	430.6	466.6	451.2	388.7	330.4	292.8
65°	209.3	224.0	247.3	280.0	320.9	364.4	392.2	372.2	318.9	273.5	243.3
67.5°	174.7	186.5	206.0	232.1	267.0	301.9	318.8	298.8	256.1	222.9	200.6
70°	152.7	163.2	178.2	201.5	231.9	261.3	274.1	256.1	219.5	191.0	175.0
72.5°	130.8	139.4	152.7	173.5	197.9	223.4	234.5	217.4	187.3	163.2	148.3
75°	101.1	106.9	116.1	130.5	149.8	170.0	176.3	161.3	142.0	124.0	114.2
77.5°	72.3	77.3	84.3	93.3	107.0	119.9	125.4	116.7	101.7	90.3	82.3
80°	55.6	58.2	64.1	71.6	82.4	90.6	94.2	88.6	78.2	69.7	63.5
82.5°	39.6	42.3	45.8	52.0	58.9	64.4	68.3	64.6	57.0	50.3	46.7
85°	19.3	20.9	22.9	25.5	30.7	34.0	33.7	31.4	28.4	25.8	23.8
87.5°	7.5	8.3	9.5	11.3	12.5	13.9	14.9	14.7	14.1	13.6	13.1
90°	3.6	5.9	8.3	10.5	12.7	14.7	16.7	18.8	20.8	22.2	23.7
92.5°	33.1	34.7	36.2	37.9	40.0	42.4	44.9	47.4	49.9	51.7	53.6
95°	85.0	85.6	86.1	86.7	88.4	91.4	94.2	97.1	100.0	102.0	104.0
97.5°	140.4	140.7	140.9	141.2	143.3	147.2	151.3	155.2	159.2	161.1	163.0
100°	181.8	181.8	181.8	181.8	183.7	187.4	191.1	194.9	198.6	201.3	203.9
102.5°	227.6	228.8	229.9	231.1	232.6	234.5	236.4	238.3	240.2	243.1	245.9
105°	297.5	298.9	300.4	301.9	303.4	305.1	306.9	308.6	310.4	312.1	313.8
107.5°	374.4	375.8	377.3	378.7	380.1	381.4	382.7	384.1	385.4	386.2	387.1
110°	427.4	428.8	430.2	431.7	432.8	433.7	434.5	435.4	436.3	437.1	438.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	480.7	481.5	482.2	482.9	483.9	484.9	486.0	487.2	488.3	488.6	489.0
115°	560.9	562.0	563.1	564.3	565.2	565.8	566.3	566.9	567.5	567.1	566.9
117.5°	640.2	640.7	641.2	641.7	642.2	642.7	643.3	643.8	644.4	644.5	644.8
120°	691.0	692.4	693.9	695.3	696.1	696.5	696.7	697.0	697.3	697.3	697.3
122.5°	744.1	744.6	745.1	745.6	746.2	747.0	747.8	748.5	749.2	749.0	748.8
125°	818.5	820.3	822.0	823.7	824.8	825.0	825.3	825.6	825.9	825.3	824.8
127.5°	895.7	896.6	897.6	898.6	899.3	899.7	900.0	900.3	900.7	900.3	900.1
130°	942.9	944.3	945.7	947.2	948.2	948.8	949.3	949.9	950.5	950.2	949.9
132.5°	990.6	992.9	995.3	997.6	998.8	998.7	998.5	998.4	998.3	998.0	997.7
135°	1063.9	1065.7	1067.4	1069.1	1070.1	1070.4	1070.7	1071.0	1071.3	1071.3	1071.3
137.5°	1133.5	1135.1	1136.8	1138.5	1139.6	1140.3	1140.9	1141.5	1142.2	1142.5	1142.9
140°	1177.9	1179.3	1180.8	1182.2	1183.4	1184.2	1185.2	1186.0	1186.9	1187.4	1188.0
142.5°	1222.4	1223.6	1224.8	1226.0	1227.1	1228.2	1229.3	1230.5	1231.5	1231.8	1232.2
145°	1288.0	1289.2	1290.3	1291.5	1292.4	1293.3	1294.2	1295.0	1295.9	1295.9	1295.9
147.5°	1348.2	1348.8	1349.5	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	1355.0
150°	1387.8	1387.6	1387.2	1387.0	1387.4	1388.5	1389.7	1390.9	1392.1	1392.1	1392.1
152.5°	1421.8	1422.2	1422.5	1423.0	1423.4	1423.9	1424.4	1424.8	1425.3	1426.0	1426.7
155°	1472.6	1472.6	1472.6	1472.6	1472.7	1473.0	1473.3	1473.5	1473.9	1475.0	1476.1
157.5°	1517.6	1517.0	1516.3	1515.7	1515.5	1515.8	1516.1	1516.4	1516.7	1517.9	1519.0
160°	1544.4	1543.5	1542.7	1541.8	1541.5	1541.8	1542.1	1542.4	1542.7	1543.8	1545.0
162.5°	1568.5	1567.9	1567.3	1566.6	1566.3	1566.3	1566.4	1566.5	1566.5	1568.0	1569.3
165°	1600.5	1599.9	1599.4	1598.8	1598.6	1599.0	1599.2	1599.5	1599.8	1600.9	1602.1
167.5°	1626.9	1625.8	1624.6	1623.5	1622.9	1622.9	1622.9	1622.9	1622.9	1624.6	1626.3
170°	1641.5	1640.3	1639.2	1638.1	1637.4	1637.4	1637.4	1637.4	1637.4	1639.2	1640.9
172.5°	1651.9	1650.7	1649.6	1648.4	1647.9	1647.9	1647.9	1647.9	1647.9	1649.6	1651.3
175°	1663.5	1662.4	1661.2	1660.1	1659.5	1659.5	1659.5	1659.5	1659.5	1661.2	1663.0
177.5°	1669.7	1668.9	1667.9	1667.0	1666.4	1666.2	1665.9	1665.7	1665.5	1666.9	1668.3
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.6	770.6	770.6	770.6	770.6	770.6	770.6
2.5°	805.9	808.0	812.4	810.9	813.0	814.0	815.1
5°	871.0	881.5	886.1	885.4	892.3	890.6	889.0
7.5°	944.5	955.5	961.7	969.3	973.8	974.0	977.9
10°	986.1	1000.5	1006.4	1014.6	1019.9	1022.8	1022.4
12.5°	1018.0	1029.3	1042.5	1046.5	1053.6	1057.3	1055.9
15°	1056.4	1074.4	1088.1	1095.0	1103.9	1106.5	1110.1
17.5°	1090.7	1114.8	1130.9	1152.2	1160.3	1165.2	1162.3
20°	1116.6	1148.3	1164.4	1189.9	1203.9	1211.5	1208.8
22.5°	1147.3	1181.6	1211.3	1233.3	1254.7	1264.9	1267.0
25°	1199.7	1246.8	1290.3	1319.4	1345.9	1352.1	1365.9
27.5°	1258.4	1313.9	1360.4	1390.9	1409.5	1416.3	1420.6
30°	1295.2	1350.5	1385.5	1405.1	1411.0	1410.3	1409.7
32.5°	1313.3	1347.9	1354.6	1349.1	1335.7	1324.2	1312.3
35°	1287.7	1261.9	1223.2	1173.5	1137.0	1099.9	1096.3
37.5°	1158.1	1075.5	1011.2	939.5	898.1	872.5	854.8
40°	1036.1	942.3	864.4	803.9	761.7	745.1	728.8
42.5°	903.8	814.1	745.1	694.6	662.9	644.4	631.4
45°	734.3	655.1	601.2	564.6	539.3	525.0	516.8
47.5°	601.7	543.1	497.3	470.9	453.5	442.3	442.3
50°	530.5	474.6	444.2	423.3	408.2	399.3	401.0
52.5°	467.4	425.7	399.7	382.1	371.0	365.6	365.4
55°	390.9	360.8	343.8	331.0	323.5	317.3	318.6
57.5°	334.3	308.9	297.6	287.0	281.7	279.2	275.7
60°	299.3	279.7	269.8	261.3	256.1	254.2	250.6
62.5°	268.1	252.7	243.1	236.2	231.5	230.8	228.0
65°	225.3	213.6	205.1	201.8	196.9	195.6	195.6
67.5°	185.8	177.4	170.7	167.7	165.6	165.9	164.3
70°	160.9	154.0	149.8	146.5	144.9	145.3	143.9
72.5°	140.8	133.1	129.4	127.4	125.3	126.1	125.6
75°	106.6	102.7	100.7	98.8	97.5	96.8	96.2
77.5°	78.3	74.8	73.4	72.2	72.4	70.9	72.1
80°	60.5	57.6	56.6	54.9	54.6	54.6	54.3
82.5°	44.3	42.6	41.9	40.6	40.0	40.5	39.6
85°	22.9	21.6	21.3	21.3	20.6	20.0	21.6
87.5°	13.4	12.7	12.8	12.7	12.9	12.8	12.5
90°	25.1	26.5	27.7	28.6	29.4	30.3	31.2
92.5°	55.5	57.5	58.7	59.4	60.0	60.6	61.3
95°	106.1	108.1	109.3	109.9	110.6	111.1	111.7
97.5°	164.9	166.8	168.0	168.3	168.7	169.0	169.4
100°	206.5	209.1	210.7	211.2	211.8	212.4	212.9
102.5°	248.7	251.5	253.4	254.2	254.9	255.8	256.6
105°	315.6	317.3	318.6	319.4	320.3	321.2	322.0
107.5°	388.0	388.8	389.3	389.2	389.2	389.1	389.0
110°	438.9	439.8	440.1	439.8	439.5	439.2	438.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	489.5	489.8	489.8	489.3	488.8	488.3	487.8
115°	566.6	566.3	566.0	565.8	565.4	565.2	564.9
117.5°	645.1	645.2	644.8	643.6	642.5	641.4	640.2
120°	697.3	697.3	696.7	695.6	694.4	693.3	692.2
122.5°	748.6	748.3	747.8	746.8	745.9	744.9	744.1
125°	824.1	823.5	823.1	822.9	822.5	822.3	822.0
127.5°	899.8	899.5	899.1	898.5	897.9	897.3	896.7
130°	949.7	949.3	948.9	948.4	947.8	947.2	946.7
132.5°	997.5	997.1	996.6	995.8	995.0	994.2	993.3
135°	1071.3	1071.3	1070.7	1069.5	1068.4	1067.2	1066.1
137.5°	1143.2	1143.6	1143.1	1141.6	1140.1	1138.7	1137.2
140°	1188.6	1189.1	1188.7	1187.3	1185.9	1184.4	1182.9
142.5°	1232.5	1233.0	1232.3	1230.9	1229.5	1228.0	1226.6
145°	1295.9	1295.9	1295.5	1294.6	1293.7	1292.9	1292.0
147.5°	1355.6	1356.3	1355.7	1353.8	1351.8	1349.9	1347.9
150°	1392.1	1392.1	1391.7	1391.1	1390.6	1390.0	1389.4
152.5°	1427.4	1428.1	1427.9	1426.8	1425.8	1424.8	1423.7
155°	1477.3	1478.4	1478.3	1476.9	1475.4	1473.9	1472.6
157.5°	1520.2	1521.3	1521.0	1519.0	1517.1	1515.2	1513.3
160°	1546.1	1547.3	1547.1	1545.7	1544.2	1542.8	1541.4
162.5°	1570.7	1572.1	1571.9	1570.3	1568.6	1566.9	1565.2
165°	1603.3	1604.4	1604.1	1602.4	1600.7	1599.0	1597.2
167.5°	1628.1	1629.8	1629.8	1628.0	1626.3	1624.4	1622.6
170°	1642.6	1644.3	1644.3	1642.2	1640.2	1638.1	1636.2
172.5°	1653.0	1654.8	1654.8	1652.9	1651.1	1649.3	1647.6
175°	1664.7	1666.5	1666.3	1664.3	1662.2	1660.3	1658.2
177.5°	1669.7	1671.0	1670.9	1669.3	1667.7	1666.0	1664.5
180°	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6	1668.6

(END OF REPORT)