

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: P333395-927

Luminaire Tested: **S125DIW-S610D1560U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333395-927
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-S610D1560U927-4F0-1E-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: 6288.0 lumens
Efficiency: N/A
Efficacy: 103.8 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

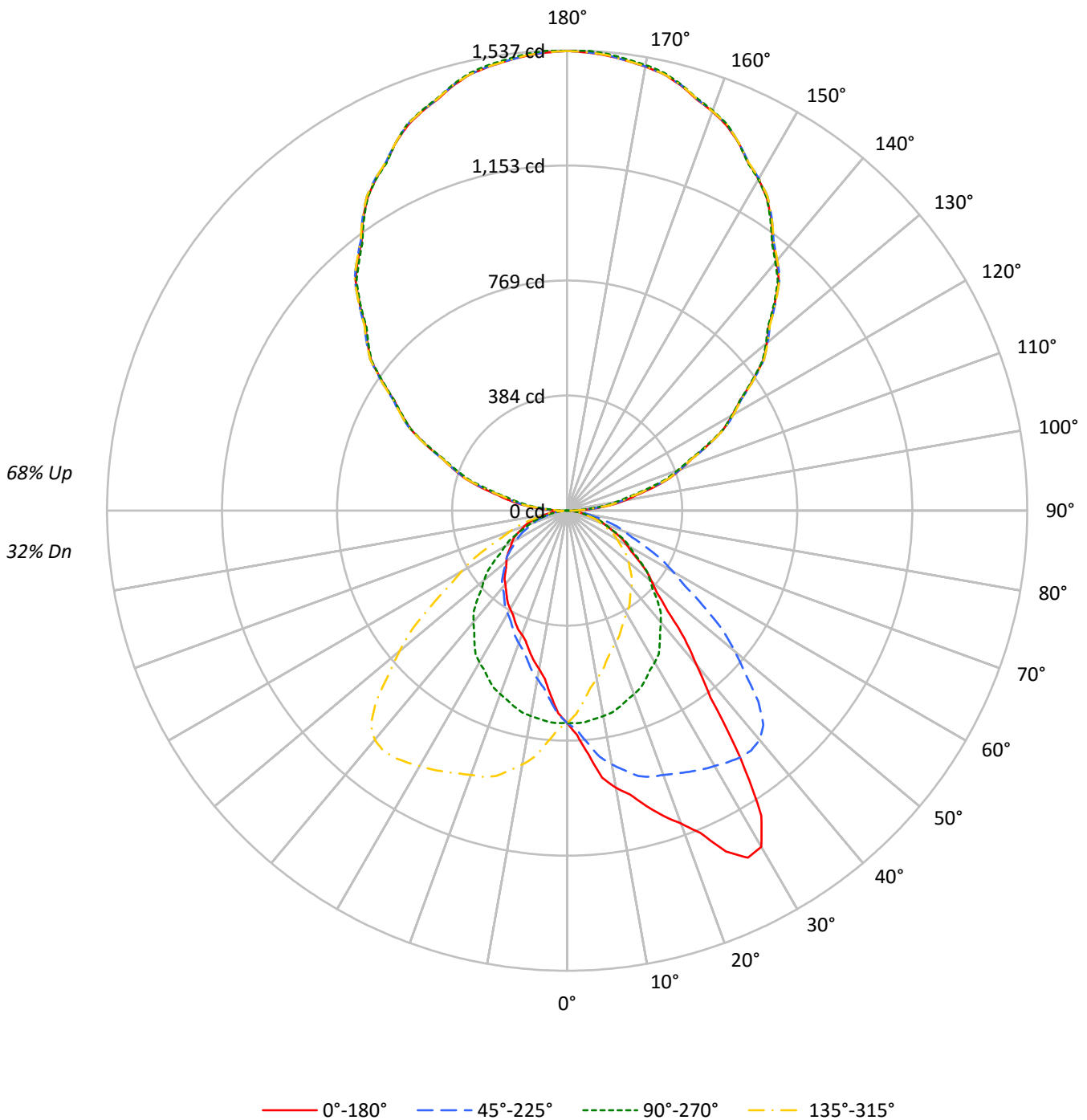
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

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°	4579	4579	4579	4579
5°	5302	4595	4023	4595
10°	6169	4571	3525	4571
15°	6829	4537	3251	4537
20°	7644	4484	3032	4484
25°	8955	4424	2925	4424
30°	9672	4365	2832	4365
35°	7953	4254	2771	4254
40°	5653	4100	2705	4100
45°	4343	3892	2666	3892
50°	3706	3634	2661	3634
55°	3300	3381	2684	3381
60°	2977	3105	2753	3105
65°	2751	2829	2823	2829
70°	2500	2540	2865	2540
75°	2208	2238	2840	2238
80°	1860	1822	2596	1822
85°	1475	1312	2097	1312



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.1
10°-20°	203.2	3.2
20°-30°	330.0	5.2
30°-40°	402.5	6.4
40°-50°	366.2	5.8
50°-60°	291.7	4.6
60°-70°	203.2	3.2
70°-80°	108.3	1.7
80°-90°	30.7	0.5
90°-100°	102.8	1.6
100°-110°	303.6	4.8
110°-120°	514.3	8.2
120°-130°	676.9	10.8
130°-140°	758.4	12.1
140°-150°	743.3	11.8
150°-160°	624.3	9.9
160°-170°	415.0	6.6
170°-180°	145.2	2.3
0°-30°	601.5	9.6
0°-40°	1004.0	16.0
0°-60°	1661.8	26.4
0°-90°	2004.0	31.9
90°-120°	920.8	14.6
90°-150°	3099.4	49.3
90°-180°	4284.0	68.1
0°-180°	6288.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	818	709	620	709	818	82
15°	1021	679	486	679	1021	292
25°	1257	621	410	621	1257	574
35°	1009	540	352	540	1009	617
45°	476	426	292	426	476	381
55°	293	300	238	300	293	264
65°	180	185	185	185	180	179
75°	88	90	114	90	88	95
85°	20	18	28	18	20	24
90°	29	1	29	1	29	17
95°	103	78	103	78	103	105
105°	296	272	296	272	296	314
115°	520	515	520	515	520	514
125°	756	752	756	752	756	675
135°	981	977	981	977	981	757
145°	1189	1184	1189	1184	1189	742
155°	1355	1355	1355	1355	1355	623
165°	1470	1473	1470	1473	1470	414
175°	1526	1532	1526	1532	1526	145
180°	1535	1535	1535	1535	1535	



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	750.0	748.9	748.0	746.1	747.5	743.4	741.5	738.2	734.0	732.6	730.9
5°	817.9	819.4	820.9	814.6	815.2	811.0	801.4	793.5	787.3	779.1	773.4
7.5°	899.8	896.2	896.0	891.8	884.8	879.2	869.0	856.1	843.7	829.5	817.8
10°	940.7	941.0	938.3	933.5	926.0	920.5	907.3	894.7	879.3	861.3	848.3
12.5°	971.5	972.8	969.4	962.9	959.2	947.1	936.7	921.6	903.4	889.0	869.3
15°	1021.4	1018.0	1015.7	1007.5	1001.2	988.6	972.0	956.3	936.5	918.1	899.8
17.5°	1069.4	1072.1	1067.5	1060.1	1040.5	1025.7	1003.5	982.1	957.4	932.8	910.9
20°	1112.2	1114.7	1107.7	1094.8	1071.3	1056.5	1027.4	999.7	971.1	939.5	915.4
22.5°	1165.7	1163.8	1154.4	1134.7	1114.4	1087.1	1055.6	1021.8	986.0	950.3	918.3
25°	1256.7	1244.0	1238.3	1213.9	1187.2	1147.2	1103.8	1054.5	1010.0	962.7	921.8
27.5°	1307.1	1303.1	1296.8	1279.8	1251.6	1208.9	1157.8	1097.6	1034.7	975.2	921.5
30°	1297.0	1297.6	1298.2	1292.8	1274.8	1242.5	1191.7	1127.0	1052.3	985.2	923.3
32.5°	1207.4	1218.4	1228.9	1241.3	1246.3	1240.2	1208.3	1149.9	1073.1	996.8	922.3
35°	1008.7	1012.0	1046.1	1079.7	1125.5	1161.0	1184.8	1158.9	1094.2	1006.6	921.1
37.5°	786.5	802.8	826.3	864.4	930.4	989.5	1065.6	1100.5	1079.6	1009.8	919.0
40°	670.5	685.6	700.8	739.7	795.4	867.0	953.3	1027.1	1044.3	999.7	911.8
42.5°	580.9	592.9	609.9	639.1	685.6	749.0	831.6	927.9	987.1	970.3	896.7
45°	475.5	483.0	496.2	519.4	553.1	602.8	675.6	780.9	872.7	903.1	860.6
47.5°	406.9	406.9	417.2	433.2	457.6	499.7	553.6	636.1	734.1	806.7	803.3
50°	368.9	367.4	375.6	389.4	408.7	436.7	488.1	554.1	648.2	730.4	753.2
52.5°	336.2	336.4	341.4	351.6	367.7	391.7	430.1	489.5	570.0	654.3	697.4
55°	293.1	291.9	297.6	304.5	316.3	331.9	359.7	405.0	470.3	553.4	609.3
57.5°	253.7	256.9	259.2	264.0	273.8	284.2	307.6	341.0	392.8	464.1	523.2
60°	230.5	233.9	235.6	240.4	248.3	257.3	275.4	302.5	346.1	407.5	466.1
62.5°	209.8	212.4	213.0	217.3	223.7	232.5	246.7	269.4	304.0	357.6	415.1
65°	180.0	180.0	181.2	185.7	188.7	196.5	207.3	223.9	251.6	293.4	342.5
67.5°	151.1	152.7	152.3	154.3	157.1	163.2	171.0	184.6	205.1	235.6	274.9
70°	132.4	133.6	133.3	134.8	137.8	141.7	148.1	161.0	175.7	201.9	235.6
72.5°	115.6	116.1	115.3	117.2	119.1	122.5	129.5	136.4	150.2	172.3	200.0
75°	88.5	89.0	89.7	90.9	92.7	94.5	98.1	105.0	114.1	130.6	148.4
77.5°	66.3	65.2	66.6	66.5	67.5	68.8	72.0	75.7	83.1	93.6	107.3
80°	50.0	50.2	50.2	50.5	52.0	53.0	55.7	58.4	64.1	71.9	81.5
82.5°	36.4	37.2	36.8	37.3	38.6	39.2	40.7	42.9	46.3	52.4	59.4
85°	19.9	18.4	18.9	19.6	19.6	19.9	21.1	21.9	23.8	26.1	28.9
87.5°	11.5	11.8	11.9	11.7	11.8	11.6	12.4	12.0	12.5	13.0	13.5
90°	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8	20.4	19.1	17.3
92.5°	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4	47.6	45.9	43.6
95°	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7	93.9	92.0	89.4
97.5°	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0	148.2	146.5	142.8
100°	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6	185.2	182.8	179.4
102.5°	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2	223.6	221.0	219.3
105°	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8	287.2	285.6	283.9
107.5°	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2	355.4	354.6	353.4
110°	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1	402.2	401.4	400.6



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0	449.6	449.2	448.2
115°	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6	521.8	522.1	521.6
117.5°	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3	593.0	592.9	592.3
120°	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6	641.6	641.6	641.3
122.5°	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0	689.1	689.4	688.6
125°	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8	759.3	759.9	759.6
127.5°	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1	828.4	828.7	828.4
130°	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0	874.3	874.6	874.0
132.5°	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0	918.2	918.5	918.6
135°	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6	985.6	985.6	985.4
137.5°	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5	1051.2	1050.9	1050.3
140°	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1	1092.5	1092.0	1091.2
142.5°	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7	1133.4	1133.1	1132.1
145°	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3	1192.3	1192.3	1191.5
147.5°	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7	1246.0	1245.4	1244.8
150°	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8	1280.8	1280.8	1279.7
152.5°	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6	1312.0	1311.4	1310.9
155°	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1	1357.1	1356.1	1355.7
157.5°	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6	1396.5	1395.4	1395.2
160°	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5	1420.4	1419.4	1419.1
162.5°	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9	1442.6	1441.3	1441.3
165°	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0	1473.0	1472.0	1471.6
167.5°	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4	1494.8	1493.2	1493.2
170°	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7	1508.2	1506.6	1506.6
172.5°	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3	1517.7	1516.2	1516.2
175°	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1	1528.4	1526.9	1526.9
177.5°	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9	1533.7	1532.4	1532.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	729.4	727.8	725.9	722.5	718.4	716.2	712.9	710.7	706.3	702.7	698.9
5°	766.4	758.7	751.5	742.1	731.9	725.2	717.4	708.7	699.7	690.3	680.1
7.5°	804.8	791.0	775.9	759.7	743.9	729.4	715.4	701.8	689.0	673.6	660.5
10°	830.6	813.1	794.5	772.5	751.1	732.5	713.5	697.0	680.1	662.0	646.1
12.5°	856.3	833.1	806.8	782.6	756.9	734.4	712.1	690.9	669.8	649.7	631.2
15°	874.5	854.1	829.7	795.4	766.4	735.5	706.0	678.6	653.0	630.7	607.3
17.5°	886.5	860.2	833.9	801.1	763.2	728.5	695.1	663.8	634.9	606.7	584.1
20°	888.7	861.6	834.2	802.0	763.2	723.4	690.1	652.4	621.4	592.2	564.5
22.5°	888.0	857.2	827.4	794.2	756.5	719.9	679.5	641.1	607.4	578.8	549.9
25°	881.1	848.3	811.0	777.6	740.3	701.5	660.5	620.8	586.5	553.7	525.1
27.5°	875.4	832.9	790.7	751.7	715.7	680.1	641.0	600.2	562.2	528.9	502.0
30°	868.5	821.8	774.3	733.6	696.6	662.0	625.0	585.3	545.6	513.1	484.2
32.5°	862.2	807.9	757.7	713.4	674.3	640.6	606.5	568.7	529.7	496.7	467.9
35°	850.2	787.3	729.8	679.8	637.9	603.4	574.8	539.6	503.7	471.8	444.2
37.5°	834.8	760.2	698.5	646.1	600.2	563.8	537.2	510.2	475.8	445.0	420.0
40°	822.8	740.9	675.6	622.0	574.5	536.5	511.9	486.3	457.7	429.1	402.7
42.5°	807.6	723.6	652.4	594.8	547.8	510.8	484.9	463.2	438.0	411.3	386.7
45°	779.7	692.1	615.1	553.1	505.6	469.1	442.4	426.1	407.2	381.9	361.2
47.5°	738.7	654.4	574.7	510.7	461.7	427.9	402.8	387.2	373.9	355.1	336.3
50°	702.3	626.2	545.6	482.1	433.0	399.0	375.9	361.7	350.3	335.8	319.9
52.5°	661.7	590.8	517.0	454.2	405.6	372.1	349.4	336.9	327.4	317.0	301.3
55°	597.1	536.9	468.3	408.7	363.8	331.1	311.2	300.3	292.5	284.7	275.0
57.5°	525.9	478.8	418.0	363.5	322.3	292.4	273.9	263.3	257.2	253.2	247.6
60°	475.8	435.5	383.1	333.4	293.1	266.6	248.6	240.4	235.4	232.0	227.8
62.5°	429.3	396.2	347.7	302.4	267.1	242.1	225.9	218.1	213.2	211.6	208.0
65°	360.8	335.3	295.2	257.6	227.5	206.1	192.6	185.1	182.0	180.2	180.5
67.5°	293.3	277.7	245.7	213.6	189.5	171.6	160.7	155.0	153.4	151.1	151.0
70°	252.2	240.4	213.3	185.4	164.0	150.2	140.5	134.5	133.0	131.8	131.5
72.5°	215.8	205.6	182.0	159.6	140.5	128.3	120.3	116.7	114.2	113.5	113.4
75°	162.2	156.5	137.8	120.1	106.9	98.4	93.0	89.7	87.9	87.5	87.9
77.5°	115.3	110.4	98.5	85.9	77.6	71.1	66.5	65.4	63.4	63.5	63.1
80°	86.7	83.3	75.8	65.9	59.0	53.6	51.2	49.0	48.5	47.5	48.5
82.5°	62.8	59.3	54.2	47.8	42.1	38.9	36.4	35.8	35.4	35.0	35.2
85°	31.0	31.3	28.3	23.4	21.1	19.3	17.7	17.7	17.4	17.2	17.4
87.5°	13.7	12.8	11.5	10.4	8.7	7.6	6.9	6.7	6.4	6.7	7.3
90°	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2	3.3	5.5	7.6
92.5°	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9	30.4	31.9	33.4
95°	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6	78.2	78.7	79.2
97.5°	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0	129.2	129.4	129.7
100°	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
102.5°	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3	209.5	210.5	211.5
105°	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4	273.7	275.0	276.4
107.5°	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1	344.4	345.8	347.1
110°	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9	393.2	394.5	395.9



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6	442.3	443.0	443.6
115°	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9	516.0	517.1	518.1
117.5°	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5	589.0	589.5	589.9
120°	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4	635.7	637.1	638.4
122.5°	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1	684.6	685.1	685.6
125°	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5	753.0	754.7	756.3
127.5°	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2	824.1	825.0	825.9
130°	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2	867.5	868.9	870.1
132.5°	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2	911.4	913.5	915.8
135°	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3	978.9	980.5	982.1
137.5°	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3	1042.9	1044.4	1045.9
140°	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4	1083.8	1085.1	1086.4
142.5°	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6	1124.7	1125.8	1126.9
145°	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0	1185.0	1186.1	1187.2
147.5°	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9	1240.5	1241.0	1241.7
150°	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2	1276.9	1276.7	1276.4
152.5°	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7	1308.1	1308.5	1308.8
155°	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9	1396.3	1395.7	1395.1
160°	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7	1420.9	1420.1	1419.4
162.5°	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8	1443.1	1442.6	1442.0
165°	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1	1472.6	1472.0	1471.6
167.5°	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9	1496.9	1495.9	1494.8
170°	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3	1510.3	1509.2	1508.2
172.5°	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9	1519.9	1518.8	1517.7
175°	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7	1530.6	1529.5	1528.4
177.5°	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2	1536.3	1535.5	1534.6
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	696.7	694.0	691.9	687.1	684.4	680.8	677.9	681.0	677.7	679.1	677.0
5°	675.0	666.5	660.5	651.8	644.3	637.4	632.2	631.4	628.9	627.7	624.2
7.5°	648.9	638.3	628.0	616.6	606.9	597.1	590.8	585.7	582.3	577.7	574.6
10°	633.4	619.3	607.3	593.4	581.4	570.8	562.4	558.3	554.3	548.6	546.5
12.5°	614.4	599.8	585.1	570.3	558.8	547.0	539.8	533.5	530.8	524.3	523.6
15°	591.6	569.7	555.2	540.2	524.2	514.6	508.6	501.7	498.7	494.2	490.8
17.5°	564.4	544.8	526.7	511.2	497.5	489.4	481.9	477.1	472.0	469.1	463.6
20°	544.7	526.0	507.9	491.4	480.9	471.6	465.6	461.1	455.6	454.1	448.7
22.5°	528.1	507.5	490.1	476.3	464.8	454.2	447.7	444.7	440.9	436.3	435.2
25°	501.1	479.7	464.9	451.1	440.8	431.3	426.7	422.8	419.2	415.9	414.7
27.5°	477.7	458.6	441.1	428.6	419.7	410.9	406.9	402.2	399.5	396.9	393.6
30°	461.4	441.8	426.4	414.4	404.7	397.0	392.7	389.4	387.0	384.6	382.8
32.5°	444.5	426.4	411.5	399.7	390.1	384.2	380.4	378.1	375.4	372.6	370.3
35°	422.2	402.3	387.9	377.6	370.1	365.6	361.4	359.3	356.3	356.3	353.9
37.5°	397.1	379.9	367.2	357.8	351.1	347.1	342.5	341.1	339.1	337.9	337.1
40°	382.1	366.2	354.2	344.8	337.6	334.3	330.7	328.3	327.1	325.6	325.0
42.5°	366.8	351.6	340.0	331.4	325.1	322.3	318.9	317.3	314.8	312.8	312.5
45°	343.3	328.6	318.1	311.2	305.8	302.5	300.3	296.8	295.5	293.1	292.8
47.5°	321.2	307.0	296.7	291.0	286.2	283.5	280.2	276.6	275.2	274.0	273.9
50°	304.5	291.6	281.9	276.6	272.0	268.2	264.8	262.4	261.5	261.5	262.1
52.5°	287.7	276.7	268.5	261.9	257.6	253.4	250.4	248.9	247.6	249.0	250.1
55°	263.0	251.9	245.9	239.6	235.4	230.5	229.0	228.4	227.5	229.9	231.1
57.5°	236.9	229.1	222.0	215.8	212.0	209.2	207.2	206.8	208.5	209.6	213.6
60°	220.3	211.3	204.9	200.1	195.6	193.8	193.2	192.6	193.8	197.1	202.2
62.5°	202.0	194.6	187.8	184.3	180.9	177.9	177.8	178.2	180.5	184.3	189.5
65°	175.2	168.8	164.3	160.1	157.4	155.6	156.2	157.4	160.1	165.2	171.0
67.5°	147.9	143.5	139.5	136.1	133.5	133.5	134.1	135.9	139.1	145.0	150.2
70°	130.3	125.5	122.2	120.6	118.6	117.4	119.1	122.2	124.8	130.3	134.8
72.5°	112.7	108.6	106.1	105.0	104.1	103.1	103.8	107.0	110.7	116.1	121.4
75°	86.7	85.2	83.3	82.1	81.3	81.8	82.5	85.5	88.5	94.2	100.2
77.5°	63.3	61.7	60.6	60.3	59.8	60.1	61.8	64.0	67.0	71.1	75.7
80°	47.8	47.2	46.7	46.3	46.3	46.7	49.0	50.5	53.2	57.2	60.8
82.5°	34.9	34.5	34.4	34.3	34.5	34.6	36.0	38.0	40.2	43.3	46.3
85°	18.4	17.7	18.7	18.9	18.4	19.3	19.9	21.1	21.9	23.4	25.0
87.5°	7.9	8.9	9.0	9.6	10.0	10.8	10.9	12.0	12.8	13.5	13.5
90°	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8	23.1	24.4	25.5
92.5°	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4	51.1	52.9	54.0
95°	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7	97.6	99.4	100.6
97.5°	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0	151.7	153.4	154.6
100°	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6	190.0	192.3	193.8
102.5°	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2	228.9	231.4	233.1
105°	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8	290.3	291.9	293.1
107.5°	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2	357.0	357.7	358.1
110°	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1	403.9	404.6	404.9



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0	450.4	450.7	450.7
115°	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6	521.3	521.0	520.8
117.5°	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3	593.5	593.7	593.3
120°	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6	641.6	641.6	641.0
122.5°	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0	688.7	688.5	688.0
125°	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8	758.3	757.7	757.3
127.5°	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1	827.9	827.6	827.2
130°	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0	873.8	873.5	873.1
132.5°	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0	917.7	917.4	917.0
135°	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6	985.6	985.6	985.2
137.5°	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5	1051.9	1052.2	1051.7
140°	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1	1093.6	1094.1	1093.7
142.5°	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7	1134.0	1134.4	1133.9
145°	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3	1192.3	1192.3	1191.9
147.5°	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7	1247.3	1247.9	1247.4
150°	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8	1280.8	1280.8	1280.5
152.5°	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6	1313.3	1313.9	1313.8
155°	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1	1359.2	1360.3	1360.2
157.5°	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6	1398.7	1399.7	1399.4
160°	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5	1422.5	1423.6	1423.5
162.5°	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9	1445.2	1446.4	1446.3
165°	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0	1475.1	1476.2	1475.9
167.5°	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4	1497.9	1499.5	1499.5
170°	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7	1511.3	1512.9	1512.8
172.5°	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3	1520.9	1522.5	1522.5
175°	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1	1531.7	1533.3	1533.1
177.5°	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9	1536.2	1537.5	1537.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	675.5	677.2	675.8	677.7	675.8	677.2	675.5	677.0	679.1	677.7	681.0
5°	622.7	619.9	621.7	620.5	621.7	619.9	622.7	624.2	627.7	628.9	631.4
7.5°	573.8	571.2	568.2	566.8	568.2	571.2	573.8	574.6	577.7	582.3	585.7
10°	543.2	539.9	539.6	537.5	539.6	539.9	543.2	546.5	548.6	554.3	558.3
12.5°	520.8	517.7	514.3	513.4	514.3	517.7	520.8	523.6	524.3	530.8	533.5
15°	489.0	486.6	484.5	486.3	484.5	486.6	489.0	490.8	494.2	498.7	501.7
17.5°	462.6	460.6	460.3	458.0	460.3	460.6	462.6	463.6	469.1	472.0	477.1
20°	446.0	444.5	445.0	441.2	445.0	444.5	446.0	448.7	454.1	455.6	461.1
22.5°	432.8	429.8	429.4	428.6	429.4	429.8	432.8	435.2	436.3	440.9	444.7
25°	412.0	410.5	409.0	410.5	409.0	410.5	412.0	414.7	415.9	419.2	422.8
27.5°	393.9	392.1	391.7	391.8	391.7	392.1	393.9	393.6	396.9	399.5	402.2
30°	382.8	379.8	380.1	379.8	380.1	379.8	382.8	382.8	384.6	387.0	389.4
32.5°	370.7	368.7	368.3	367.7	368.3	368.7	370.7	370.3	372.6	375.4	378.1
35°	353.0	353.0	351.5	351.5	351.5	353.0	353.0	353.9	356.3	356.3	359.3
37.5°	336.3	336.0	335.1	335.3	335.1	336.0	336.3	337.1	337.9	339.1	341.1
40°	323.8	323.5	322.6	320.8	322.6	323.5	323.8	325.0	325.6	327.1	328.3
42.5°	311.8	310.8	310.3	309.7	310.3	310.8	311.8	312.5	312.8	314.8	317.3
45°	292.8	292.8	292.2	291.9	292.2	292.8	292.8	292.8	293.1	295.5	296.8
47.5°	274.4	275.0	276.1	275.9	276.1	275.0	274.4	273.9	274.0	275.2	276.6
50°	263.3	263.6	264.5	264.8	264.5	263.6	263.3	262.1	261.5	261.5	262.4
52.5°	251.0	252.8	253.9	253.7	253.9	252.8	251.0	250.1	249.0	247.6	248.9
55°	233.9	235.9	238.1	238.4	238.1	235.9	233.9	231.1	229.9	227.5	228.4
57.5°	216.8	219.8	222.0	222.7	222.0	219.8	216.8	213.6	209.6	208.5	206.8
60°	205.3	209.1	211.8	213.1	211.8	209.1	205.3	202.2	197.1	193.8	192.6
62.5°	194.2	198.5	201.3	201.5	201.3	198.5	194.2	189.5	184.3	180.5	178.2
65°	176.0	180.5	183.0	184.7	183.0	180.5	176.0	171.0	165.2	160.1	157.4
67.5°	156.5	161.1	163.7	165.2	163.7	161.1	156.5	150.2	145.0	139.1	135.9
70°	142.4	146.9	150.4	151.7	150.4	146.9	142.4	134.8	130.3	124.8	122.2
72.5°	128.4	132.4	135.3	136.7	135.3	132.4	128.4	121.4	116.1	110.7	107.0
75°	104.1	109.6	112.3	113.8	112.3	109.6	104.1	100.2	94.2	88.5	85.5
77.5°	80.3	85.2	86.8	87.6	86.8	85.2	80.3	75.7	71.1	67.0	64.0
80°	64.4	67.4	69.6	69.8	69.6	67.4	64.4	60.8	57.2	53.2	50.5
82.5°	49.5	52.0	52.7	53.5	52.7	52.0	49.5	46.3	43.3	40.2	38.0
85°	27.1	28.3	28.6	28.3	28.6	28.3	27.1	25.0	23.4	21.9	21.1
87.5°	14.2	14.1	14.3	14.9	14.3	14.1	14.2	13.5	13.5	12.8	12.0
90°	26.3	27.1	27.9	28.7	27.9	27.1	26.3	25.5	24.4	23.1	21.8
92.5°	54.7	55.2	55.8	56.4	55.8	55.2	54.7	54.0	52.9	51.1	49.4
95°	101.2	101.7	102.2	102.7	102.2	101.7	101.2	100.6	99.4	97.6	95.7
97.5°	154.9	155.2	155.5	155.8	155.5	155.2	154.9	154.6	153.4	151.7	150.0
100°	194.3	194.9	195.4	195.9	195.4	194.9	194.3	193.8	192.3	190.0	187.6
102.5°	233.9	234.6	235.4	236.1	235.4	234.6	233.9	233.1	231.4	228.9	226.2
105°	293.9	294.7	295.5	296.3	295.5	294.7	293.9	293.1	291.9	290.3	288.8
107.5°	358.1	358.1	358.0	357.9	358.0	358.1	358.1	358.1	357.7	357.0	356.2
110°	404.6	404.3	404.1	403.9	404.1	404.3	404.6	404.9	404.6	403.9	403.1



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	450.2	449.7	449.2	448.8	449.2	449.7	450.2	450.7	450.7	450.4	450.0
115°	520.5	520.2	520.0	519.8	520.0	520.2	520.5	520.8	521.0	521.3	521.6
117.5°	592.2	591.1	590.1	589.0	590.1	591.1	592.2	593.3	593.7	593.5	593.3
120°	640.0	638.9	637.9	636.8	637.9	638.9	640.0	641.0	641.6	641.6	641.6
122.5°	687.1	686.3	685.4	684.6	685.4	686.3	687.1	688.0	688.5	688.7	689.0
125°	757.1	756.8	756.5	756.3	756.5	756.8	757.1	757.3	757.7	758.3	758.8
127.5°	826.6	826.2	825.6	825.1	825.6	826.2	826.6	827.2	827.6	827.9	828.1
130°	872.6	872.0	871.5	871.0	871.5	872.0	872.6	873.1	873.5	873.8	874.0
132.5°	916.2	915.4	914.7	913.9	914.7	915.4	916.2	917.0	917.4	917.7	918.0
135°	984.0	983.0	981.9	980.9	981.9	983.0	984.0	985.2	985.6	985.6	985.6
137.5°	1050.4	1049.0	1047.7	1046.3	1047.7	1049.0	1050.4	1051.7	1052.2	1051.9	1051.5
140°	1092.4	1091.1	1089.7	1088.4	1089.7	1091.1	1092.4	1093.7	1094.1	1093.6	1093.1
142.5°	1132.5	1131.2	1129.9	1128.5	1129.9	1131.2	1132.5	1133.9	1134.4	1134.0	1133.7
145°	1191.1	1190.3	1189.5	1188.7	1189.5	1190.3	1191.1	1191.9	1192.3	1192.3	1192.3
147.5°	1245.5	1243.7	1242.0	1240.2	1242.0	1243.7	1245.5	1247.4	1247.9	1247.3	1246.7
150°	1279.9	1279.5	1278.9	1278.3	1278.9	1279.5	1279.9	1280.5	1280.8	1280.8	1280.8
152.5°	1312.8	1311.9	1310.9	1310.0	1310.9	1311.9	1312.8	1313.8	1313.9	1313.3	1312.6
155°	1358.8	1357.5	1356.1	1354.9	1356.1	1357.5	1358.8	1360.2	1360.3	1359.2	1358.1
157.5°	1397.6	1395.8	1394.1	1392.3	1394.1	1395.8	1397.6	1399.4	1399.7	1398.7	1397.6
160°	1422.1	1420.8	1419.5	1418.2	1419.5	1420.8	1422.1	1423.5	1423.6	1422.5	1421.5
162.5°	1444.8	1443.2	1441.7	1440.1	1441.7	1443.2	1444.8	1446.3	1446.4	1445.2	1443.9
165°	1474.3	1472.7	1471.2	1469.5	1471.2	1472.7	1474.3	1475.9	1476.2	1475.1	1474.0
167.5°	1497.9	1496.3	1494.6	1492.9	1494.6	1496.3	1497.9	1499.5	1499.5	1497.9	1496.4
170°	1510.9	1509.1	1507.2	1505.4	1507.2	1509.1	1510.9	1512.8	1512.9	1511.3	1509.7
172.5°	1520.8	1519.2	1517.5	1515.9	1517.5	1519.2	1520.8	1522.5	1522.5	1520.9	1519.3
175°	1531.3	1529.4	1527.6	1525.7	1527.6	1529.4	1531.3	1533.1	1533.3	1531.7	1530.1
177.5°	1535.9	1534.4	1532.9	1531.4	1532.9	1534.4	1535.9	1537.4	1537.5	1536.2	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	677.9	680.8	684.4	687.1	691.9	694.0	696.7	698.9	702.7	706.3	710.7
5°	632.2	637.4	644.3	651.8	660.5	666.5	675.0	680.1	690.3	699.7	708.7
7.5°	590.8	597.1	606.9	616.6	628.0	638.3	648.9	660.5	673.6	689.0	701.8
10°	562.4	570.8	581.4	593.4	607.3	619.3	633.4	646.1	662.0	680.1	697.0
12.5°	539.8	547.0	558.8	570.3	585.1	599.8	614.4	631.2	649.7	669.8	690.9
15°	508.6	514.6	524.2	540.2	555.2	569.7	591.6	607.3	630.7	653.0	678.6
17.5°	481.9	489.4	497.5	511.2	526.7	544.8	564.4	584.1	606.7	634.9	663.8
20°	465.6	471.6	480.9	491.4	507.9	526.0	544.7	564.5	592.2	621.4	652.4
22.5°	447.7	454.2	464.8	476.3	490.1	507.5	528.1	549.9	578.8	607.4	641.1
25°	426.7	431.3	440.8	451.1	464.9	479.7	501.1	525.1	553.7	586.5	620.8
27.5°	406.9	410.9	419.7	428.6	441.1	458.6	477.7	502.0	528.9	562.2	600.2
30°	392.7	397.0	404.7	414.4	426.4	441.8	461.4	484.2	513.1	545.6	585.3
32.5°	380.4	384.2	390.1	399.7	411.5	426.4	444.5	467.9	496.7	529.7	568.7
35°	361.4	365.6	370.1	377.6	387.9	402.3	422.2	444.2	471.8	503.7	539.6
37.5°	342.5	347.1	351.1	357.8	367.2	379.9	397.1	420.0	445.0	475.8	510.2
40°	330.7	334.3	337.6	344.8	354.2	366.2	382.1	402.7	429.1	457.7	486.3
42.5°	318.9	322.3	325.1	331.4	340.0	351.6	366.8	386.7	411.3	438.0	463.2
45°	300.3	302.5	305.8	311.2	318.1	328.6	343.3	361.2	381.9	407.2	426.1
47.5°	280.2	283.5	286.2	291.0	296.7	307.0	321.2	336.3	355.1	373.9	387.2
50°	264.8	268.2	272.0	276.6	281.9	291.6	304.5	319.9	335.8	350.3	361.7
52.5°	250.4	253.4	257.6	261.9	268.5	276.7	287.7	301.3	317.0	327.4	336.9
55°	229.0	230.5	235.4	239.6	245.9	251.9	263.0	275.0	284.7	292.5	300.3
57.5°	207.2	209.2	212.0	215.8	222.0	229.1	236.9	247.6	253.2	257.2	263.3
60°	193.2	193.8	195.6	200.1	204.9	211.3	220.3	227.8	232.0	235.4	240.4
62.5°	177.8	177.9	180.9	184.3	187.8	194.6	202.0	208.0	211.6	213.2	218.1
65°	156.2	155.6	157.4	160.1	164.3	168.8	175.2	180.5	180.2	182.0	185.1
67.5°	134.1	133.5	133.5	136.1	139.5	143.5	147.9	151.0	151.1	153.4	155.0
70°	119.1	117.4	118.6	120.6	122.2	125.5	130.3	131.5	131.8	133.0	134.5
72.5°	103.8	103.1	104.1	105.0	106.1	108.6	112.7	113.4	113.5	114.2	116.7
75°	82.5	81.8	81.3	82.1	83.3	85.2	86.7	87.9	87.5	87.9	89.7
77.5°	61.8	60.1	59.8	60.3	60.6	61.7	63.3	63.1	63.5	63.4	65.4
80°	49.0	46.7	46.3	46.3	46.7	47.2	47.8	48.5	47.5	48.5	49.0
82.5°	36.0	34.6	34.5	34.3	34.4	34.5	34.9	35.2	35.0	35.4	35.8
85°	19.9	19.3	18.4	18.9	18.7	17.7	18.4	17.4	17.2	17.4	17.7
87.5°	10.9	10.8	10.0	9.6	9.0	8.9	7.9	7.3	6.7	6.4	6.7
90°	20.4	19.1	17.3	15.4	13.5	11.6	9.7	7.6	5.5	3.3	1.2
92.5°	47.6	45.9	43.6	41.3	39.1	36.8	34.9	33.4	31.9	30.4	28.9
95°	93.9	92.0	89.4	86.7	84.1	81.4	79.8	79.2	78.7	78.2	77.6
97.5°	148.2	146.5	142.8	139.2	135.5	131.8	129.9	129.7	129.4	129.2	129.0
100°	185.2	182.8	179.4	175.9	172.5	169.0	167.2	167.2	167.2	167.2	167.2
102.5°	223.6	221.0	219.3	217.5	215.8	214.0	212.6	211.5	210.5	209.5	208.3
105°	287.2	285.6	283.9	282.3	280.7	279.2	277.7	276.4	275.0	273.7	272.4
107.5°	355.4	354.6	353.4	352.1	350.9	349.7	348.4	347.1	345.8	344.4	343.1
110°	402.2	401.4	400.6	399.8	399.0	398.2	397.2	395.9	394.5	393.2	391.9



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	449.6	449.2	448.2	447.2	446.2	445.2	444.3	443.6	443.0	442.3	441.6
115°	521.8	522.1	521.6	521.0	520.5	520.0	519.2	518.1	517.1	516.0	514.9
117.5°	593.0	592.9	592.3	591.8	591.4	590.9	590.4	589.9	589.5	589.0	588.5
120°	641.6	641.6	641.3	641.0	640.8	640.5	639.7	638.4	637.1	635.7	634.4
122.5°	689.1	689.4	688.6	688.0	687.3	686.6	686.0	685.6	685.1	684.6	684.1
125°	759.3	759.9	759.6	759.3	759.1	758.8	757.9	756.3	754.7	753.0	751.5
127.5°	828.4	828.7	828.4	828.1	827.8	827.4	826.8	825.9	825.0	824.1	823.2
130°	874.3	874.6	874.0	873.5	873.0	872.4	871.5	870.1	868.9	867.5	866.2
132.5°	918.2	918.5	918.6	918.7	918.9	918.9	917.9	915.8	913.5	911.4	909.2
135°	985.6	985.6	985.4	985.2	984.8	984.6	983.7	982.1	980.5	978.9	977.3
137.5°	1051.2	1050.9	1050.3	1049.7	1049.2	1048.5	1047.5	1045.9	1044.4	1042.9	1041.3
140°	1092.5	1092.0	1091.2	1090.4	1089.6	1088.8	1087.7	1086.4	1085.1	1083.8	1082.4
142.5°	1133.4	1133.1	1132.1	1131.1	1130.0	1129.0	1128.0	1126.9	1125.8	1124.7	1123.6
145°	1192.3	1192.3	1191.5	1190.7	1189.9	1189.1	1188.3	1187.2	1186.1	1185.0	1184.0
147.5°	1246.0	1245.4	1244.8	1244.1	1243.5	1242.9	1242.2	1241.7	1241.0	1240.5	1239.9
150°	1280.8	1280.8	1279.7	1278.7	1277.6	1276.5	1276.1	1276.4	1276.7	1276.9	1277.2
152.5°	1312.0	1311.4	1310.9	1310.5	1310.1	1309.6	1309.2	1308.8	1308.5	1308.1	1307.7
155°	1357.1	1356.1	1355.7	1355.5	1355.3	1354.9	1354.9	1354.9	1354.9	1354.9	1354.9
157.5°	1396.5	1395.4	1395.2	1395.0	1394.6	1394.4	1394.6	1395.1	1395.7	1396.3	1396.9
160°	1420.4	1419.4	1419.1	1418.8	1418.6	1418.3	1418.6	1419.4	1420.1	1420.9	1421.7
162.5°	1442.6	1441.3	1441.3	1441.2	1441.1	1441.1	1441.4	1442.0	1442.6	1443.1	1443.8
165°	1473.0	1472.0	1471.6	1471.4	1471.2	1470.8	1471.0	1471.6	1472.0	1472.6	1473.1
167.5°	1494.8	1493.2	1493.2	1493.2	1493.2	1493.2	1493.7	1494.8	1495.9	1496.9	1497.9
170°	1508.2	1506.6	1506.6	1506.6	1506.6	1506.6	1507.1	1508.2	1509.2	1510.3	1511.3
172.5°	1517.7	1516.2	1516.2	1516.2	1516.2	1516.2	1516.6	1517.7	1518.8	1519.9	1520.9
175°	1528.4	1526.9	1526.9	1526.9	1526.9	1526.9	1527.4	1528.4	1529.5	1530.6	1531.7
177.5°	1533.7	1532.4	1532.6	1532.8	1533.0	1533.2	1533.7	1534.6	1535.5	1536.3	1537.2
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	712.9	716.2	718.4	722.5	725.9	727.8	729.4	730.9	732.6	734.0	738.2
5°	717.4	725.2	731.9	742.1	751.5	758.7	766.4	773.4	779.1	787.3	793.5
7.5°	715.4	729.4	743.9	759.7	775.9	791.0	804.8	817.8	829.5	843.7	856.1
10°	713.5	732.5	751.1	772.5	794.5	813.1	830.6	848.3	861.3	879.3	894.7
12.5°	712.1	734.4	756.9	782.6	806.8	833.1	856.3	869.3	889.0	903.4	921.6
15°	706.0	735.5	766.4	795.4	829.7	854.1	874.5	899.8	918.1	936.5	956.3
17.5°	695.1	728.5	763.2	801.1	833.9	860.2	886.5	910.9	932.8	957.4	982.1
20°	690.1	723.4	763.2	802.0	834.2	861.6	888.7	915.4	939.5	971.1	999.7
22.5°	679.5	719.9	756.5	794.2	827.4	857.2	888.0	918.3	950.3	986.0	1021.8
25°	660.5	701.5	740.3	777.6	811.0	848.3	881.1	921.8	962.7	1010.0	1054.5
27.5°	641.0	680.1	715.7	751.7	790.7	832.9	875.4	921.5	975.2	1034.7	1097.6
30°	625.0	662.0	696.6	733.6	774.3	821.8	868.5	923.3	985.2	1052.3	1127.0
32.5°	606.5	640.6	674.3	713.4	757.7	807.9	862.2	922.3	996.8	1073.1	1149.9
35°	574.8	603.4	637.9	679.8	729.8	787.3	850.2	921.1	1006.6	1094.2	1158.9
37.5°	537.2	563.8	600.2	646.1	698.5	760.2	834.8	919.0	1009.8	1079.6	1100.5
40°	511.9	536.5	574.5	622.0	675.6	740.9	822.8	911.8	999.7	1044.3	1027.1
42.5°	484.9	510.8	547.8	594.8	652.4	723.6	807.6	896.7	970.3	987.1	927.9
45°	442.4	469.1	505.6	553.1	615.1	692.1	779.7	860.6	903.1	872.7	780.9
47.5°	402.8	427.9	461.7	510.7	574.7	654.4	738.7	803.3	806.7	734.1	636.1
50°	375.9	399.0	433.0	482.1	545.6	626.2	702.3	753.2	730.4	648.2	554.1
52.5°	349.4	372.1	405.6	454.2	517.0	590.8	661.7	697.4	654.3	570.0	489.5
55°	311.2	331.1	363.8	408.7	468.3	536.9	597.1	609.3	553.4	470.3	405.0
57.5°	273.9	292.4	322.3	363.5	418.0	478.8	525.9	523.2	464.1	392.8	341.0
60°	248.6	266.6	293.1	333.4	383.1	435.5	475.8	466.1	407.5	346.1	302.5
62.5°	225.9	242.1	267.1	302.4	347.7	396.2	429.3	415.1	357.6	304.0	269.4
65°	192.6	206.1	227.5	257.6	295.2	335.3	360.8	342.5	293.4	251.6	223.9
67.5°	160.7	171.6	189.5	213.6	245.7	277.7	293.3	274.9	235.6	205.1	184.6
70°	140.5	150.2	164.0	185.4	213.3	240.4	252.2	235.6	201.9	175.7	161.0
72.5°	120.3	128.3	140.5	159.6	182.0	205.6	215.8	200.0	172.3	150.2	136.4
75°	93.0	98.4	106.9	120.1	137.8	156.5	162.2	148.4	130.6	114.1	105.0
77.5°	66.5	71.1	77.6	85.9	98.5	110.4	115.3	107.3	93.6	83.1	75.7
80°	51.2	53.6	59.0	65.9	75.8	83.3	86.7	81.5	71.9	64.1	58.4
82.5°	36.4	38.9	42.1	47.8	54.2	59.3	62.8	59.4	52.4	46.3	42.9
85°	17.7	19.3	21.1	23.4	28.3	31.3	31.0	28.9	26.1	23.8	21.9
87.5°	6.9	7.6	8.7	10.4	11.5	12.8	13.7	13.5	13.0	12.5	12.0
90°	3.3	5.5	7.6	9.7	11.6	13.5	15.4	17.3	19.1	20.4	21.8
92.5°	30.4	31.9	33.4	34.9	36.8	39.1	41.3	43.6	45.9	47.6	49.4
95°	78.2	78.7	79.2	79.8	81.4	84.1	86.7	89.4	92.0	93.9	95.7
97.5°	129.2	129.4	129.7	129.9	131.8	135.5	139.2	142.8	146.5	148.2	150.0
100°	167.2	167.2	167.2	167.2	169.0	172.5	175.9	179.4	182.8	185.2	187.6
102.5°	209.5	210.5	211.5	212.6	214.0	215.8	217.5	219.3	221.0	223.6	226.2
105°	273.7	275.0	276.4	277.7	279.2	280.7	282.3	283.9	285.6	287.2	288.8
107.5°	344.4	345.8	347.1	348.4	349.7	350.9	352.1	353.4	354.6	355.4	356.2
110°	393.2	394.5	395.9	397.2	398.2	399.0	399.8	400.6	401.4	402.2	403.1



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	442.3	443.0	443.6	444.3	445.2	446.2	447.2	448.2	449.2	449.6	450.0
115°	516.0	517.1	518.1	519.2	520.0	520.5	521.0	521.6	522.1	521.8	521.6
117.5°	589.0	589.5	589.9	590.4	590.9	591.4	591.8	592.3	592.9	593.0	593.3
120°	635.7	637.1	638.4	639.7	640.5	640.8	641.0	641.3	641.6	641.6	641.6
122.5°	684.6	685.1	685.6	686.0	686.6	687.3	688.0	688.6	689.4	689.1	689.0
125°	753.0	754.7	756.3	757.9	758.8	759.1	759.3	759.6	759.9	759.3	758.8
127.5°	824.1	825.0	825.9	826.8	827.4	827.8	828.1	828.4	828.7	828.4	828.1
130°	867.5	868.9	870.1	871.5	872.4	873.0	873.5	874.0	874.6	874.3	874.0
132.5°	911.4	913.5	915.8	917.9	918.9	918.9	918.7	918.6	918.5	918.2	918.0
135°	978.9	980.5	982.1	983.7	984.6	984.8	985.2	985.4	985.6	985.6	985.6
137.5°	1042.9	1044.4	1045.9	1047.5	1048.5	1049.2	1049.7	1050.3	1050.9	1051.2	1051.5
140°	1083.8	1085.1	1086.4	1087.7	1088.8	1089.6	1090.4	1091.2	1092.0	1092.5	1093.1
142.5°	1124.7	1125.8	1126.9	1128.0	1129.0	1130.0	1131.1	1132.1	1133.1	1133.4	1133.7
145°	1185.0	1186.1	1187.2	1188.3	1189.1	1189.9	1190.7	1191.5	1192.3	1192.3	1192.3
147.5°	1240.5	1241.0	1241.7	1242.2	1242.9	1243.5	1244.1	1244.8	1245.4	1246.0	1246.7
150°	1276.9	1276.7	1276.4	1276.1	1276.5	1277.6	1278.7	1279.7	1280.8	1280.8	1280.8
152.5°	1308.1	1308.5	1308.8	1309.2	1309.6	1310.1	1310.5	1310.9	1311.4	1312.0	1312.6
155°	1354.9	1354.9	1354.9	1354.9	1354.9	1355.3	1355.5	1355.7	1356.1	1357.1	1358.1
157.5°	1396.3	1395.7	1395.1	1394.6	1394.4	1394.6	1395.0	1395.2	1395.4	1396.5	1397.6
160°	1420.9	1420.1	1419.4	1418.6	1418.3	1418.6	1418.8	1419.1	1419.4	1420.4	1421.5
162.5°	1443.1	1442.6	1442.0	1441.4	1441.1	1441.1	1441.2	1441.3	1441.3	1442.6	1443.9
165°	1472.6	1472.0	1471.6	1471.0	1470.8	1471.2	1471.4	1471.6	1472.0	1473.0	1474.0
167.5°	1496.9	1495.9	1494.8	1493.7	1493.2	1493.2	1493.2	1493.2	1493.2	1494.8	1496.4
170°	1510.3	1509.2	1508.2	1507.1	1506.6	1506.6	1506.6	1506.6	1506.6	1508.2	1509.7
172.5°	1519.9	1518.8	1517.7	1516.6	1516.2	1516.2	1516.2	1516.2	1516.2	1517.7	1519.3
175°	1530.6	1529.5	1528.4	1527.4	1526.9	1526.9	1526.9	1526.9	1526.9	1528.4	1530.1
177.5°	1536.3	1535.5	1534.6	1533.7	1533.2	1533.0	1532.8	1532.6	1532.4	1533.7	1534.9
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	741.5	743.4	747.5	746.1	748.0	748.9	750.0
5°	801.4	811.0	815.2	814.6	820.9	819.4	817.9
7.5°	869.0	879.2	884.8	891.8	896.0	896.2	899.8
10°	907.3	920.5	926.0	933.5	938.3	941.0	940.7
12.5°	936.7	947.1	959.2	962.9	969.4	972.8	971.5
15°	972.0	988.6	1001.2	1007.5	1015.7	1018.0	1021.4
17.5°	1003.5	1025.7	1040.5	1060.1	1067.5	1072.1	1069.4
20°	1027.4	1056.5	1071.3	1094.8	1107.7	1114.7	1112.2
22.5°	1055.6	1087.1	1114.4	1134.7	1154.4	1163.8	1165.7
25°	1103.8	1147.2	1187.2	1213.9	1238.3	1244.0	1256.7
27.5°	1157.8	1208.9	1251.6	1279.8	1296.8	1303.1	1307.1
30°	1191.7	1242.5	1274.8	1292.8	1298.2	1297.6	1297.0
32.5°	1208.3	1240.2	1246.3	1241.3	1228.9	1218.4	1207.4
35°	1184.8	1161.0	1125.5	1079.7	1046.1	1012.0	1008.7
37.5°	1065.6	989.5	930.4	864.4	826.3	802.8	786.5
40°	953.3	867.0	795.4	739.7	700.8	685.6	670.5
42.5°	831.6	749.0	685.6	639.1	609.9	592.9	580.9
45°	675.6	602.8	553.1	519.4	496.2	483.0	475.5
47.5°	553.6	499.7	457.6	433.2	417.2	406.9	406.9
50°	488.1	436.7	408.7	389.4	375.6	367.4	368.9
52.5°	430.1	391.7	367.7	351.6	341.4	336.4	336.2
55°	359.7	331.9	316.3	304.5	297.6	291.9	293.1
57.5°	307.6	284.2	273.8	264.0	259.2	256.9	253.7
60°	275.4	257.3	248.3	240.4	235.6	233.9	230.5
62.5°	246.7	232.5	223.7	217.3	213.0	212.4	209.8
65°	207.3	196.5	188.7	185.7	181.2	180.0	180.0
67.5°	171.0	163.2	157.1	154.3	152.3	152.7	151.1
70°	148.1	141.7	137.8	134.8	133.3	133.6	132.4
72.5°	129.5	122.5	119.1	117.2	115.3	116.1	115.6
75°	98.1	94.5	92.7	90.9	89.7	89.0	88.5
77.5°	72.0	68.8	67.5	66.5	66.6	65.2	66.3
80°	55.7	53.0	52.0	50.5	50.2	50.2	50.0
82.5°	40.7	39.2	38.6	37.3	36.8	37.2	36.4
85°	21.1	19.9	19.6	19.6	18.9	18.4	19.9
87.5°	12.4	11.6	11.8	11.7	11.9	11.8	11.5
90°	23.1	24.4	25.5	26.3	27.1	27.9	28.7
92.5°	51.1	52.9	54.0	54.7	55.2	55.8	56.4
95°	97.6	99.4	100.6	101.2	101.7	102.2	102.7
97.5°	151.7	153.4	154.6	154.9	155.2	155.5	155.8
100°	190.0	192.3	193.8	194.3	194.9	195.4	195.9
102.5°	228.9	231.4	233.1	233.9	234.6	235.4	236.1
105°	290.3	291.9	293.1	293.9	294.7	295.5	296.3
107.5°	357.0	357.7	358.1	358.1	358.1	358.0	357.9
110°	403.9	404.6	404.9	404.6	404.3	404.1	403.9



TEST NUMBER: P333395-927

CATALOG NUMBER: S125DIW-S610D1560U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	450.7	450.7	450.2	449.7	449.2	448.8
115°	521.3	521.0	520.8	520.5	520.2	520.0	519.8
117.5°	593.5	593.7	593.3	592.2	591.1	590.1	589.0
120°	641.6	641.6	641.0	640.0	638.9	637.9	636.8
122.5°	688.7	688.5	688.0	687.1	686.3	685.4	684.6
125°	758.3	757.7	757.3	757.1	756.8	756.5	756.3
127.5°	827.9	827.6	827.2	826.6	826.2	825.6	825.1
130°	873.8	873.5	873.1	872.6	872.0	871.5	871.0
132.5°	917.7	917.4	917.0	916.2	915.4	914.7	913.9
135°	985.6	985.6	985.2	984.0	983.0	981.9	980.9
137.5°	1051.9	1052.2	1051.7	1050.4	1049.0	1047.7	1046.3
140°	1093.6	1094.1	1093.7	1092.4	1091.1	1089.7	1088.4
142.5°	1134.0	1134.4	1133.9	1132.5	1131.2	1129.9	1128.5
145°	1192.3	1192.3	1191.9	1191.1	1190.3	1189.5	1188.7
147.5°	1247.3	1247.9	1247.4	1245.5	1243.7	1242.0	1240.2
150°	1280.8	1280.8	1280.5	1279.9	1279.5	1278.9	1278.3
152.5°	1313.3	1313.9	1313.8	1312.8	1311.9	1310.9	1310.0
155°	1359.2	1360.3	1360.2	1358.8	1357.5	1356.1	1354.9
157.5°	1398.7	1399.7	1399.4	1397.6	1395.8	1394.1	1392.3
160°	1422.5	1423.6	1423.5	1422.1	1420.8	1419.5	1418.2
162.5°	1445.2	1446.4	1446.3	1444.8	1443.2	1441.7	1440.1
165°	1475.1	1476.2	1475.9	1474.3	1472.7	1471.2	1469.5
167.5°	1497.9	1499.5	1499.5	1497.9	1496.3	1494.6	1492.9
170°	1511.3	1512.9	1512.8	1510.9	1509.1	1507.2	1505.4
172.5°	1520.9	1522.5	1522.5	1520.8	1519.2	1517.5	1515.9
175°	1531.7	1533.3	1533.1	1531.3	1529.4	1527.6	1525.7
177.5°	1536.2	1537.5	1537.4	1535.9	1534.4	1532.9	1531.4
180°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2

(END OF REPORT)