

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: P333394-927

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333394-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
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-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6944.1 lumens
Efficiency: N/A
Efficacy: 114.6 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

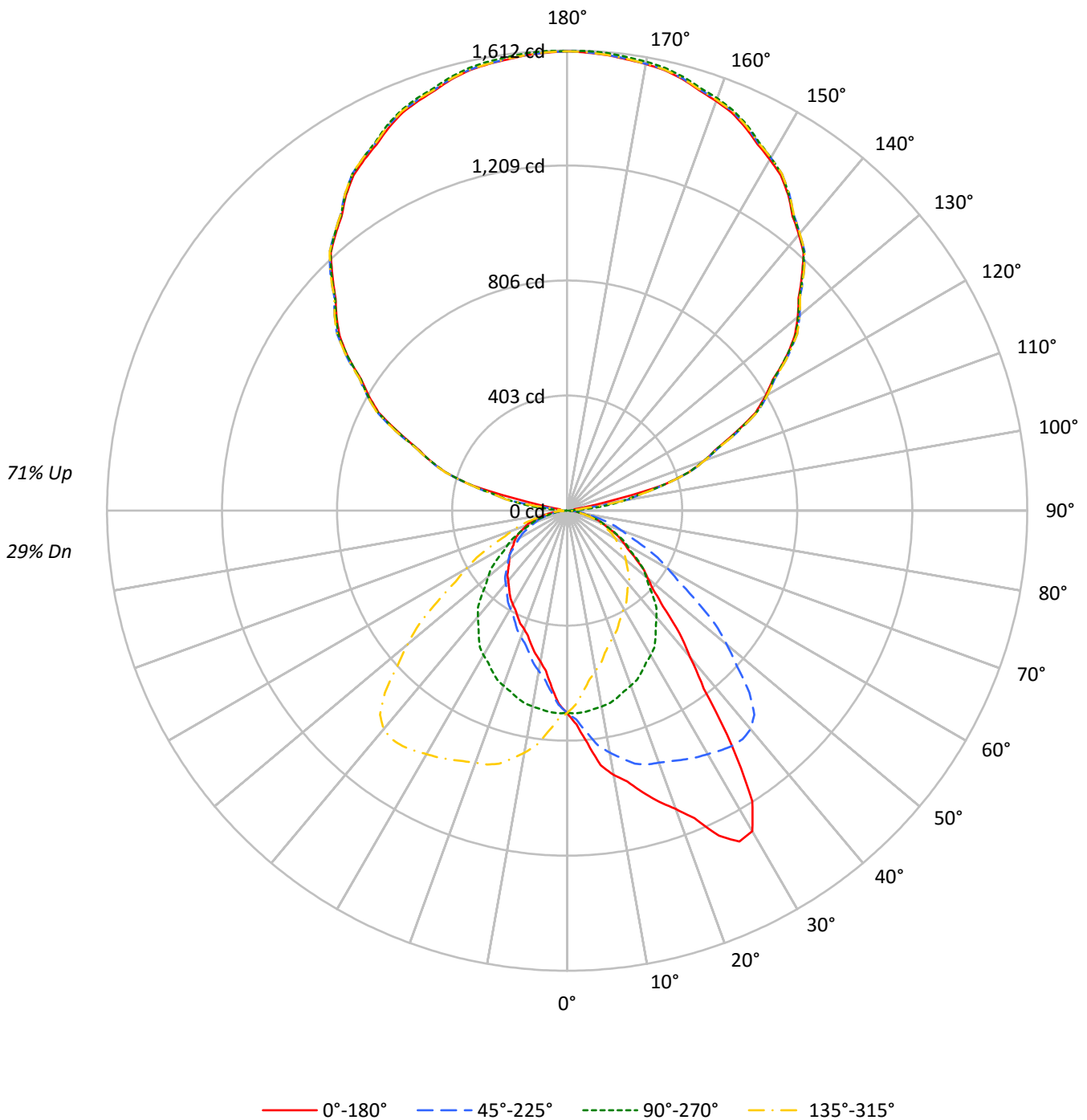
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333394-927

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

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	28	26	21
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	19	15
5	65	54	46	40	58	49	42	37	39	34	30	29	26	23	21	19	17	13
6	60	48	40	35	53	43	37	32	35	30	26	26	23	20	19	17	15	12
7	55	43	36	30	49	39	33	28	31	26	23	24	21	18	17	15	13	10
8	51	39	32	27	46	35	29	24	28	24	20	22	18	16	16	13	12	9
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11	8
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.0
10°-20°	203.2	2.9
20°-30°	330.0	4.8
30°-40°	402.5	5.8
40°-50°	366.2	5.3
50°-60°	291.7	4.2
60°-70°	203.2	2.9
70°-80°	108.3	1.6
80°-90°	30.7	0.4
90°-100°	58.5	0.8
100°-110°	360.3	5.2
110°-120°	653.4	9.4
120°-130°	838.6	12.1
130°-140°	902.0	13.0
140°-150°	846.7	12.2
150°-160°	684.9	9.9
160°-170°	442.9	6.4
170°-180°	152.8	2.2
0°-30°	601.5	8.7
0°-40°	1004.0	14.5
0°-60°	1661.8	23.9
0°-90°	2004.0	28.9
90°-120°	1072.2	15.4
90°-150°	3659.5	52.7
90°-180°	4940.0	71.1
0°-180°	6944.1	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	13
95°	25	68	25	68	25	21
105°	354	351	354	351	354	320
115°	654	658	654	658	654	649
125°	936	936	936	936	936	833
135°	1163	1167	1163	1167	1163	897
145°	1350	1354	1350	1354	1350	843
155°	1480	1491	1480	1491	1480	682
165°	1565	1573	1565	1573	1565	442
175°	1602	1609	1602	1609	1602	152
180°	1609	1609	1609	1609	1609	



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

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	12.3	12.0	12.5	13.0	13.5
90°	28.6	27.8	27.0	26.2	25.4	24.4	23.1	21.7	20.4	19.1	17.2
92.5°	26.7	26.4	26.0	25.6	25.2	24.4	23.1	21.7	20.4	19.1	17.4
95°	25.0	25.0	25.0	25.0	25.0	24.4	23.1	21.7	20.4	19.1	29.2
97.5°	25.0	25.0	25.0	25.0	25.0	28.8	36.3	43.7	51.2	58.7	78.6
100°	25.0	26.1	27.2	28.2	29.3	49.6	89.0	128.5	168.0	207.5	206.4
102.5°	150.0	168.0	186.1	204.1	222.1	234.9	242.3	249.8	257.3	264.7	264.1
105°	354.2	354.4	354.7	355.0	355.2	355.4	355.4	355.4	355.4	355.4	355.4
107.5°	446.5	447.3	448.1	448.9	449.6	450.0	450.0	450.0	449.9	449.8	449.3
110°	510.4	510.2	509.8	509.6	509.4	509.6	510.4	511.2	512.0	512.8	512.2



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	567.6	568.0	568.4	568.8	569.1	569.8	570.8	571.8	572.8	573.9	573.5
115°	653.5	655.1	656.6	658.3	659.9	661.2	662.3	663.3	664.3	665.4	665.2
117.5°	745.0	745.8	746.5	747.2	747.8	748.8	750.3	751.6	753.0	754.4	753.4
120°	801.4	802.7	804.0	805.3	806.7	807.6	808.1	808.7	809.2	809.7	808.9
122.5°	854.8	856.3	857.9	859.4	860.9	862.0	862.5	863.0	863.6	864.1	863.7
125°	936.1	936.9	937.7	938.5	939.3	940.2	941.3	942.4	943.4	944.4	944.4
127.5°	1004.6	1006.5	1008.5	1010.4	1012.4	1013.7	1014.3	1014.9	1015.4	1016.1	1016.2
130°	1054.2	1055.5	1056.9	1058.2	1059.5	1060.6	1061.4	1062.2	1063.0	1063.7	1063.4
132.5°	1099.9	1101.3	1102.6	1104.0	1105.3	1106.0	1106.2	1106.4	1106.5	1106.7	1107.2
135°	1162.7	1164.3	1165.9	1167.4	1169.0	1170.1	1170.7	1171.2	1171.7	1172.3	1172.7
137.5°	1225.7	1227.0	1228.4	1229.8	1231.2	1231.8	1231.7	1231.6	1231.5	1231.4	1231.8
140°	1262.9	1264.5	1266.1	1267.7	1269.2	1269.8	1269.2	1268.7	1268.2	1267.7	1267.9
142.5°	1298.1	1299.7	1301.3	1302.9	1304.6	1305.3	1305.2	1305.0	1305.0	1304.9	1304.5
145°	1350.0	1351.5	1353.1	1354.7	1356.3	1356.9	1356.7	1356.5	1356.1	1355.9	1355.9
147.5°	1392.7	1394.6	1396.5	1398.4	1400.3	1401.1	1400.7	1400.4	1400.1	1399.8	1399.5
150°	1420.3	1422.4	1424.5	1426.6	1428.8	1429.6	1429.0	1428.5	1428.0	1427.4	1426.9
152.5°	1446.0	1448.0	1449.9	1451.8	1453.7	1454.4	1453.8	1453.3	1452.8	1452.2	1451.8
155°	1479.9	1482.0	1484.2	1486.3	1488.4	1489.1	1488.3	1487.5	1486.7	1485.9	1485.3
157.5°	1508.3	1510.4	1512.5	1514.7	1516.8	1517.4	1516.6	1515.7	1514.9	1514.0	1513.9
160°	1526.5	1528.5	1530.7	1532.8	1534.9	1535.4	1534.4	1533.3	1532.2	1531.2	1530.9
162.5°	1542.6	1545.0	1547.3	1549.7	1552.0	1552.4	1550.9	1549.4	1547.9	1546.4	1546.2
165°	1564.6	1566.7	1568.8	1571.0	1573.0	1573.4	1571.8	1570.1	1568.5	1566.9	1566.7
167.5°	1579.8	1582.2	1584.6	1587.0	1589.4	1589.6	1587.7	1585.8	1583.9	1582.0	1581.8
170°	1588.4	1590.8	1593.2	1595.6	1598.0	1598.1	1596.0	1593.9	1591.7	1589.6	1589.4
172.5°	1594.2	1596.6	1598.9	1601.3	1603.7	1603.9	1602.0	1600.1	1598.2	1596.3	1595.9
175°	1601.6	1603.9	1606.3	1608.7	1611.1	1611.2	1609.1	1606.9	1604.9	1602.7	1602.5
177.5°	1605.8	1607.5	1609.2	1610.9	1612.6	1612.7	1611.2	1609.8	1608.3	1606.8	1606.5
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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	7.5	5.5	3.3	1.2	3.3	5.5	7.5
92.5°	15.8	14.2	12.5	12.4	13.9	15.4	16.9	18.4	16.9	15.4	13.9
95°	39.2	49.3	59.3	64.8	65.6	66.4	67.2	68.0	67.2	66.4	65.6
97.5°	98.5	118.4	138.4	147.7	146.2	144.7	143.3	141.9	143.3	144.7	146.2
100°	205.4	204.3	203.3	202.3	201.5	200.7	199.9	199.2	199.9	200.7	201.5
102.5°	263.5	262.8	262.2	261.3	260.4	259.4	258.3	257.4	258.3	259.4	260.4
105°	355.4	355.4	355.4	354.8	353.8	352.8	351.6	350.6	351.6	352.8	353.8
107.5°	448.8	448.2	447.7	447.4	447.4	447.4	447.4	447.4	447.4	447.4	447.4
110°	511.7	511.2	510.6	510.4	510.4	510.4	510.4	510.4	510.4	510.4	510.4



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	573.2	572.9	572.6	572.1	571.5	570.8	570.2	569.6	570.2	570.8	571.5
115°	664.9	664.6	664.3	663.5	662.3	660.9	659.6	658.3	659.6	660.9	662.3
117.5°	752.3	751.4	750.4	749.9	750.0	750.0	750.0	750.1	750.0	750.0	750.0
120°	808.1	807.3	806.5	806.3	806.5	806.8	807.1	807.3	807.1	806.8	806.5
122.5°	863.3	863.0	862.6	861.9	860.9	859.9	858.9	857.9	858.9	859.9	860.9
125°	944.4	944.4	944.4	943.6	941.7	939.8	937.9	936.1	937.9	939.8	941.7
127.5°	1016.4	1016.5	1016.7	1016.1	1014.8	1013.4	1012.1	1010.7	1012.1	1013.4	1014.8
130°	1063.2	1063.0	1062.6	1061.8	1060.6	1059.2	1057.9	1056.5	1057.9	1059.2	1060.6
132.5°	1107.8	1108.4	1109.0	1108.5	1107.0	1105.4	1103.9	1102.3	1103.9	1105.4	1107.0
135°	1173.3	1173.9	1174.3	1173.9	1172.3	1170.7	1169.0	1167.4	1169.0	1170.7	1172.3
137.5°	1232.3	1232.8	1233.3	1232.9	1231.4	1230.1	1228.7	1227.3	1228.7	1230.1	1231.4
140°	1268.2	1268.4	1268.7	1268.6	1268.0	1267.5	1267.0	1266.5	1267.0	1267.5	1268.0
142.5°	1304.1	1303.8	1303.4	1303.0	1302.7	1302.3	1302.0	1301.7	1302.0	1302.3	1302.7
145°	1355.9	1355.9	1355.9	1355.7	1355.1	1354.6	1354.0	1353.5	1354.0	1354.6	1355.1
147.5°	1399.2	1398.8	1398.5	1398.4	1398.5	1398.6	1398.7	1398.8	1398.7	1398.6	1398.5
150°	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1426.9	1426.4	1425.8
152.5°	1451.2	1450.6	1450.1	1450.4	1451.6	1452.8	1454.0	1455.1	1454.0	1452.8	1451.6
155°	1484.8	1484.3	1483.8	1484.3	1485.9	1487.5	1489.1	1490.6	1489.1	1487.5	1485.9
157.5°	1513.9	1513.9	1513.8	1514.3	1515.2	1516.2	1517.1	1518.1	1517.1	1516.2	1515.2
160°	1530.7	1530.4	1530.1	1530.8	1532.4	1534.0	1535.6	1537.2	1535.6	1534.0	1532.4
162.5°	1545.9	1545.6	1545.4	1546.0	1547.6	1549.3	1550.9	1552.4	1550.9	1549.3	1547.6
165°	1566.5	1566.1	1565.9	1566.5	1568.1	1569.7	1571.4	1573.0	1571.4	1569.7	1568.1
167.5°	1581.4	1581.2	1581.0	1581.6	1583.3	1584.9	1586.6	1588.2	1586.6	1584.9	1583.3
170°	1589.1	1588.8	1588.6	1589.4	1591.2	1593.1	1594.9	1596.8	1594.9	1593.1	1591.2
172.5°	1595.4	1594.9	1594.4	1595.1	1597.0	1598.8	1600.7	1602.5	1600.7	1598.8	1597.0
175°	1602.2	1602.0	1601.7	1602.3	1603.9	1605.5	1607.1	1608.7	1607.1	1605.5	1603.9
177.5°	1606.4	1606.1	1605.9	1606.5	1607.7	1609.0	1610.3	1611.5	1610.3	1609.0	1607.7
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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	8.8	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	17.2	19.1	20.4	21.7	23.1	24.4	25.4
92.5°	12.4	12.5	14.2	15.8	17.4	19.1	20.4	21.7	23.1	24.4	25.2
95°	64.8	59.3	49.3	39.2	29.2	19.1	20.4	21.7	23.1	24.4	25.0
97.5°	147.7	138.4	118.4	98.5	78.6	58.7	51.2	43.7	36.3	28.8	25.0
100°	202.3	203.3	204.3	205.4	206.4	207.5	168.0	128.5	89.0	49.6	29.3
102.5°	261.3	262.2	262.8	263.5	264.1	264.7	257.3	249.8	242.3	234.9	222.1
105°	354.8	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.2
107.5°	447.4	447.7	448.2	448.8	449.3	449.8	449.9	450.0	450.0	450.0	449.6
110°	510.4	510.6	511.2	511.7	512.2	512.8	512.0	511.2	510.4	509.6	509.4



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	572.1	572.6	572.9	573.2	573.5	573.9	572.8	571.8	570.8	569.8	569.1
115°	663.5	664.3	664.6	664.9	665.2	665.4	664.3	663.3	662.3	661.2	659.9
117.5°	749.9	750.4	751.4	752.3	753.4	754.4	753.0	751.6	750.3	748.8	747.8
120°	806.3	806.5	807.3	808.1	808.9	809.7	809.2	808.7	808.1	807.6	806.7
122.5°	861.9	862.6	863.0	863.3	863.7	864.1	863.6	863.0	862.5	862.0	860.9
125°	943.6	944.4	944.4	944.4	944.4	944.4	943.4	942.4	941.3	940.2	939.3
127.5°	1016.1	1016.7	1016.5	1016.4	1016.2	1016.1	1015.4	1014.9	1014.3	1013.7	1012.4
130°	1061.8	1062.6	1063.0	1063.2	1063.4	1063.7	1063.0	1062.2	1061.4	1060.6	1059.5
132.5°	1108.5	1109.0	1108.4	1107.8	1107.2	1106.7	1106.5	1106.4	1106.2	1106.0	1105.3
135°	1173.9	1174.3	1173.9	1173.3	1172.7	1172.3	1171.7	1171.2	1170.7	1170.1	1169.0
137.5°	1232.9	1233.3	1232.8	1232.3	1231.8	1231.4	1231.5	1231.6	1231.7	1231.8	1231.2
140°	1268.6	1268.7	1268.4	1268.2	1267.9	1267.7	1268.2	1268.7	1269.2	1269.8	1269.2
142.5°	1303.0	1303.4	1303.8	1304.1	1304.5	1304.9	1305.0	1305.0	1305.2	1305.3	1304.6
145°	1355.7	1355.9	1355.9	1355.9	1355.9	1355.9	1356.1	1356.5	1356.7	1356.9	1356.3
147.5°	1398.4	1398.5	1398.8	1399.2	1399.5	1399.8	1400.1	1400.4	1400.7	1401.1	1400.3
150°	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1428.0	1428.5	1429.0	1429.6	1428.8
152.5°	1450.4	1450.1	1450.6	1451.2	1451.8	1452.2	1452.8	1453.3	1453.8	1454.4	1453.7
155°	1484.3	1483.8	1484.3	1484.8	1485.3	1485.9	1486.7	1487.5	1488.3	1489.1	1488.4
157.5°	1514.3	1513.8	1513.9	1513.9	1513.9	1514.0	1514.9	1515.7	1516.6	1517.4	1516.8
160°	1530.8	1530.1	1530.4	1530.7	1530.9	1531.2	1532.2	1533.3	1534.4	1535.4	1534.9
162.5°	1546.0	1545.4	1545.6	1545.9	1546.2	1546.4	1547.9	1549.4	1550.9	1552.4	1552.0
165°	1566.5	1565.9	1566.1	1566.5	1566.7	1566.9	1568.5	1570.1	1571.8	1573.4	1573.0
167.5°	1581.6	1581.0	1581.2	1581.4	1581.8	1582.0	1583.9	1585.8	1587.7	1589.6	1589.4
170°	1589.4	1588.6	1588.8	1589.1	1589.4	1589.6	1591.7	1593.9	1596.0	1598.1	1598.0
172.5°	1595.1	1594.4	1594.9	1595.4	1595.9	1596.3	1598.2	1600.1	1602.0	1603.9	1603.7
175°	1602.3	1601.7	1602.0	1602.2	1602.5	1602.7	1604.9	1606.9	1609.1	1611.2	1611.1
177.5°	1606.5	1605.9	1606.1	1606.4	1606.5	1606.8	1608.3	1609.8	1611.2	1612.7	1612.6
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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°	26.2	27.0	27.8	28.6	27.8	27.0	26.2	25.4	24.4	23.1	21.7
92.5°	25.6	26.0	26.4	26.7	26.4	26.0	25.6	25.2	24.4	23.1	21.7
95°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.4	23.1	21.7
97.5°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	28.8	36.3	43.7
100°	28.2	27.2	26.1	25.0	26.1	27.2	28.2	29.3	49.6	89.0	128.5
102.5°	204.1	186.1	168.0	150.0	168.0	186.1	204.1	222.1	234.9	242.3	249.8
105°	355.0	354.7	354.4	354.2	354.4	354.7	355.0	355.2	355.4	355.4	355.4
107.5°	448.9	448.1	447.3	446.5	447.3	448.1	448.9	449.6	450.0	450.0	450.0
110°	509.6	509.8	510.2	510.4	510.2	509.8	509.6	509.4	509.6	510.4	511.2



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	568.8	568.4	568.0	567.6	568.0	568.4	568.8	569.1	569.8	570.8	571.8
115°	658.3	656.6	655.1	653.5	655.1	656.6	658.3	659.9	661.2	662.3	663.3
117.5°	747.2	746.5	745.8	745.0	745.8	746.5	747.2	747.8	748.8	750.3	751.6
120°	805.3	804.0	802.7	801.4	802.7	804.0	805.3	806.7	807.6	808.1	808.7
122.5°	859.4	857.9	856.3	854.8	856.3	857.9	859.4	860.9	862.0	862.5	863.0
125°	938.5	937.7	936.9	936.1	936.9	937.7	938.5	939.3	940.2	941.3	942.4
127.5°	1010.4	1008.5	1006.5	1004.6	1006.5	1008.5	1010.4	1012.4	1013.7	1014.3	1014.9
130°	1058.2	1056.9	1055.5	1054.2	1055.5	1056.9	1058.2	1059.5	1060.6	1061.4	1062.2
132.5°	1104.0	1102.6	1101.3	1099.9	1101.3	1102.6	1104.0	1105.3	1106.0	1106.2	1106.4
135°	1167.4	1165.9	1164.3	1162.7	1164.3	1165.9	1167.4	1169.0	1170.1	1170.7	1171.2
137.5°	1229.8	1228.4	1227.0	1225.7	1227.0	1228.4	1229.8	1231.2	1231.8	1231.7	1231.6
140°	1267.7	1266.1	1264.5	1262.9	1264.5	1266.1	1267.7	1269.2	1269.8	1269.2	1268.7
142.5°	1302.9	1301.3	1299.7	1298.1	1299.7	1301.3	1302.9	1304.6	1305.3	1305.2	1305.0
145°	1354.7	1353.1	1351.5	1350.0	1351.5	1353.1	1354.7	1356.3	1356.9	1356.7	1356.5
147.5°	1398.4	1396.5	1394.6	1392.7	1394.6	1396.5	1398.4	1400.3	1401.1	1400.7	1400.4
150°	1426.6	1424.5	1422.4	1420.3	1422.4	1424.5	1426.6	1428.8	1429.6	1429.0	1428.5
152.5°	1451.8	1449.9	1448.0	1446.0	1448.0	1449.9	1451.8	1453.7	1454.4	1453.8	1453.3
155°	1486.3	1484.2	1482.0	1479.9	1482.0	1484.2	1486.3	1488.4	1489.1	1488.3	1487.5
157.5°	1514.7	1512.5	1510.4	1508.3	1510.4	1512.5	1514.7	1516.8	1517.4	1516.6	1515.7
160°	1532.8	1530.7	1528.5	1526.5	1528.5	1530.7	1532.8	1534.9	1535.4	1534.4	1533.3
162.5°	1549.7	1547.3	1545.0	1542.6	1545.0	1547.3	1549.7	1552.0	1552.4	1550.9	1549.4
165°	1571.0	1568.8	1566.7	1564.6	1566.7	1568.8	1571.0	1573.0	1573.4	1571.8	1570.1
167.5°	1587.0	1584.6	1582.2	1579.8	1582.2	1584.6	1587.0	1589.4	1589.6	1587.7	1585.8
170°	1595.6	1593.2	1590.8	1588.4	1590.8	1593.2	1595.6	1598.0	1598.1	1596.0	1593.9
172.5°	1601.3	1598.9	1596.6	1594.2	1596.6	1598.9	1601.3	1603.7	1603.9	1602.0	1600.1
175°	1608.7	1606.3	1603.9	1601.6	1603.9	1606.3	1608.7	1611.1	1611.2	1609.1	1606.9
177.5°	1610.9	1609.2	1607.5	1605.8	1607.5	1609.2	1610.9	1612.6	1612.7	1611.2	1609.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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	8.8	7.9	7.3	6.7	6.4	6.7
90°	20.4	19.1	17.2	15.4	13.5	11.6	9.7	7.5	5.5	3.3	1.2
92.5°	20.4	19.1	17.4	15.8	14.2	12.5	12.4	13.9	15.4	16.9	18.4
95°	20.4	19.1	29.2	39.2	49.3	59.3	64.8	65.6	66.4	67.2	68.0
97.5°	51.2	58.7	78.6	98.5	118.4	138.4	147.7	146.2	144.7	143.3	141.9
100°	168.0	207.5	206.4	205.4	204.3	203.3	202.3	201.5	200.7	199.9	199.2
102.5°	257.3	264.7	264.1	263.5	262.8	262.2	261.3	260.4	259.4	258.3	257.4
105°	355.4	355.4	355.4	355.4	355.4	355.4	354.8	353.8	352.8	351.6	350.6
107.5°	449.9	449.8	449.3	448.8	448.2	447.7	447.4	447.4	447.4	447.4	447.4
110°	512.0	512.8	512.2	511.7	511.2	510.6	510.4	510.4	510.4	510.4	510.4



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	572.8	573.9	573.5	573.2	572.9	572.6	572.1	571.5	570.8	570.2	569.6
115°	664.3	665.4	665.2	664.9	664.6	664.3	663.5	662.3	660.9	659.6	658.3
117.5°	753.0	754.4	753.4	752.3	751.4	750.4	749.9	750.0	750.0	750.0	750.1
120°	809.2	809.7	808.9	808.1	807.3	806.5	806.3	806.5	806.8	807.1	807.3
122.5°	863.6	864.1	863.7	863.3	863.0	862.6	861.9	860.9	859.9	858.9	857.9
125°	943.4	944.4	944.4	944.4	944.4	944.4	943.6	941.7	939.8	937.9	936.1
127.5°	1015.4	1016.1	1016.2	1016.4	1016.5	1016.7	1016.1	1014.8	1013.4	1012.1	1010.7
130°	1063.0	1063.7	1063.4	1063.2	1063.0	1062.6	1061.8	1060.6	1059.2	1057.9	1056.5
132.5°	1106.5	1106.7	1107.2	1107.8	1108.4	1109.0	1108.5	1107.0	1105.4	1103.9	1102.3
135°	1171.7	1172.3	1172.7	1173.3	1173.9	1174.3	1173.9	1172.3	1170.7	1169.0	1167.4
137.5°	1231.5	1231.4	1231.8	1232.3	1232.8	1233.3	1232.9	1231.4	1230.1	1228.7	1227.3
140°	1268.2	1267.7	1267.9	1268.2	1268.4	1268.7	1268.6	1268.0	1267.5	1267.0	1266.5
142.5°	1305.0	1304.9	1304.5	1304.1	1303.8	1303.4	1303.0	1302.7	1302.3	1302.0	1301.7
145°	1356.1	1355.9	1355.9	1355.9	1355.9	1355.9	1355.7	1355.1	1354.6	1354.0	1353.5
147.5°	1400.1	1399.8	1399.5	1399.2	1398.8	1398.5	1398.4	1398.5	1398.6	1398.7	1398.8
150°	1428.0	1427.4	1426.9	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4
152.5°	1452.8	1452.2	1451.8	1451.2	1450.6	1450.1	1450.4	1451.6	1452.8	1454.0	1455.1
155°	1486.7	1485.9	1485.3	1484.8	1484.3	1483.8	1484.3	1485.9	1487.5	1489.1	1490.6
157.5°	1514.9	1514.0	1513.9	1513.9	1513.9	1513.8	1514.3	1515.2	1516.2	1517.1	1518.1
160°	1532.2	1531.2	1530.9	1530.7	1530.4	1530.1	1530.8	1532.4	1534.0	1535.6	1537.2
162.5°	1547.9	1546.4	1546.2	1545.9	1545.6	1545.4	1546.0	1547.6	1549.3	1550.9	1552.4
165°	1568.5	1566.9	1566.7	1566.5	1566.1	1565.9	1566.5	1568.1	1569.7	1571.4	1573.0
167.5°	1583.9	1582.0	1581.8	1581.4	1581.2	1581.0	1581.6	1583.3	1584.9	1586.6	1588.2
170°	1591.7	1589.6	1589.4	1589.1	1588.8	1588.6	1589.4	1591.2	1593.1	1594.9	1596.8
172.5°	1598.2	1596.3	1595.9	1595.4	1594.9	1594.4	1595.1	1597.0	1598.8	1600.7	1602.5
175°	1604.9	1602.7	1602.5	1602.2	1602.0	1601.7	1602.3	1603.9	1605.5	1607.1	1608.7
177.5°	1608.3	1606.8	1606.5	1606.4	1606.1	1605.9	1606.5	1607.7	1609.0	1610.3	1611.5
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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	7.5	9.7	11.6	13.5	15.4	17.2	19.1	20.4	21.7
92.5°	16.9	15.4	13.9	12.4	12.5	14.2	15.8	17.4	19.1	20.4	21.7
95°	67.2	66.4	65.6	64.8	59.3	49.3	39.2	29.2	19.1	20.4	21.7
97.5°	143.3	144.7	146.2	147.7	138.4	118.4	98.5	78.6	58.7	51.2	43.7
100°	199.9	200.7	201.5	202.3	203.3	204.3	205.4	206.4	207.5	168.0	128.5
102.5°	258.3	259.4	260.4	261.3	262.2	262.8	263.5	264.1	264.7	257.3	249.8
105°	351.6	352.8	353.8	354.8	355.4	355.4	355.4	355.4	355.4	355.4	355.4
107.5°	447.4	447.4	447.4	447.4	447.7	448.2	448.8	449.3	449.8	449.9	450.0
110°	510.4	510.4	510.4	510.4	510.6	511.2	511.7	512.2	512.8	512.0	511.2



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	570.2	570.8	571.5	572.1	572.6	572.9	573.2	573.5	573.9	572.8	571.8
115°	659.6	660.9	662.3	663.5	664.3	664.6	664.9	665.2	665.4	664.3	663.3
117.5°	750.0	750.0	750.0	749.9	750.4	751.4	752.3	753.4	754.4	753.0	751.6
120°	807.1	806.8	806.5	806.3	806.5	807.3	808.1	808.9	809.7	809.2	808.7
122.5°	858.9	859.9	860.9	861.9	862.6	863.0	863.3	863.7	864.1	863.6	863.0
125°	937.9	939.8	941.7	943.6	944.4	944.4	944.4	944.4	944.4	943.4	942.4
127.5°	1012.1	1013.4	1014.8	1016.1	1016.7	1016.5	1016.4	1016.2	1016.1	1015.4	1014.9
130°	1057.9	1059.2	1060.6	1061.8	1062.6	1063.0	1063.2	1063.4	1063.7	1063.0	1062.2
132.5°	1103.9	1105.4	1107.0	1108.5	1109.0	1108.4	1107.8	1107.2	1106.7	1106.5	1106.4
135°	1169.0	1170.7	1172.3	1173.9	1174.3	1173.9	1173.3	1172.7	1172.3	1171.7	1171.2
137.5°	1228.7	1230.1	1231.4	1232.9	1233.3	1232.8	1232.3	1231.8	1231.4	1231.5	1231.6
140°	1267.0	1267.5	1268.0	1268.6	1268.7	1268.4	1268.2	1267.9	1267.7	1268.2	1268.7
142.5°	1302.0	1302.3	1302.7	1303.0	1303.4	1303.8	1304.1	1304.5	1304.9	1305.0	1305.0
145°	1354.0	1354.6	1355.1	1355.7	1355.9	1355.9	1355.9	1355.9	1355.9	1356.1	1356.5
147.5°	1398.7	1398.6	1398.5	1398.4	1398.5	1398.8	1399.2	1399.5	1399.8	1400.1	1400.4
150°	1426.9	1426.4	1425.8	1425.3	1425.3	1425.8	1426.4	1426.9	1427.4	1428.0	1428.5
152.5°	1454.0	1452.8	1451.6	1450.4	1450.1	1450.6	1451.2	1451.8	1452.2	1452.8	1453.3
155°	1489.1	1487.5	1485.9	1484.3	1483.8	1484.3	1484.8	1485.3	1485.9	1486.7	1487.5
157.5°	1517.1	1516.2	1515.2	1514.3	1513.8	1513.9	1513.9	1513.9	1514.0	1514.9	1515.7
160°	1535.6	1534.0	1532.4	1530.8	1530.1	1530.4	1530.7	1530.9	1531.2	1532.2	1533.3
162.5°	1550.9	1549.3	1547.6	1546.0	1545.4	1545.6	1545.9	1546.2	1546.4	1547.9	1549.4
165°	1571.4	1569.7	1568.1	1566.5	1565.9	1566.1	1566.5	1566.7	1566.9	1568.5	1570.1
167.5°	1586.6	1584.9	1583.3	1581.6	1581.0	1581.2	1581.4	1581.8	1582.0	1583.9	1585.8
170°	1594.9	1593.1	1591.2	1589.4	1588.6	1588.8	1589.1	1589.4	1589.6	1591.7	1593.9
172.5°	1600.7	1598.8	1597.0	1595.1	1594.4	1594.9	1595.4	1595.9	1596.3	1598.2	1600.1
175°	1607.1	1605.5	1603.9	1602.3	1601.7	1602.0	1602.2	1602.5	1602.7	1604.9	1606.9
177.5°	1610.3	1609.0	1607.7	1606.5	1605.9	1606.1	1606.4	1606.5	1606.8	1608.3	1609.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7



TEST NUMBER: P333394-927

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

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°	12.3	11.6	11.8	11.7	11.9	11.8	11.5
90°	23.1	24.4	25.4	26.2	27.0	27.8	28.6
92.5°	23.1	24.4	25.2	25.6	26.0	26.4	26.7
95°	23.1	24.4	25.0	25.0	25.0	25.0	25.0
97.5°	36.3	28.8	25.0	25.0	25.0	25.0	25.0
100°	89.0	49.6	29.3	28.2	27.2	26.1	25.0
102.5°	242.3	234.9	222.1	204.1	186.1	168.0	150.0
105°	355.4	355.4	355.2	355.0	354.7	354.4	354.2
107.5°	450.0	450.0	449.6	448.9	448.1	447.3	446.5
110°	510.4	509.6	509.4	509.6	509.8	510.2	510.4



TEST NUMBER: P333394-927

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	570.8	569.8	569.1	568.8	568.4	568.0	567.6
115°	662.3	661.2	659.9	658.3	656.6	655.1	653.5
117.5°	750.3	748.8	747.8	747.2	746.5	745.8	745.0
120°	808.1	807.6	806.7	805.3	804.0	802.7	801.4
122.5°	862.5	862.0	860.9	859.4	857.9	856.3	854.8
125°	941.3	940.2	939.3	938.5	937.7	936.9	936.1
127.5°	1014.3	1013.7	1012.4	1010.4	1008.5	1006.5	1004.6
130°	1061.4	1060.6	1059.5	1058.2	1056.9	1055.5	1054.2
132.5°	1106.2	1106.0	1105.3	1104.0	1102.6	1101.3	1099.9
135°	1170.7	1170.1	1169.0	1167.4	1165.9	1164.3	1162.7
137.5°	1231.7	1231.8	1231.2	1229.8	1228.4	1227.0	1225.7
140°	1269.2	1269.8	1269.2	1267.7	1266.1	1264.5	1262.9
142.5°	1305.2	1305.3	1304.6	1302.9	1301.3	1299.7	1298.1
145°	1356.7	1356.9	1356.3	1354.7	1353.1	1351.5	1350.0
147.5°	1400.7	1401.1	1400.3	1398.4	1396.5	1394.6	1392.7
150°	1429.0	1429.6	1428.8	1426.6	1424.5	1422.4	1420.3
152.5°	1453.8	1454.4	1453.7	1451.8	1449.9	1448.0	1446.0
155°	1488.3	1489.1	1488.4	1486.3	1484.2	1482.0	1479.9
157.5°	1516.6	1517.4	1516.8	1514.7	1512.5	1510.4	1508.3
160°	1534.4	1535.4	1534.9	1532.8	1530.7	1528.5	1526.5
162.5°	1550.9	1552.4	1552.0	1549.7	1547.3	1545.0	1542.6
165°	1571.8	1573.4	1573.0	1571.0	1568.8	1566.7	1564.6
167.5°	1587.7	1589.6	1589.4	1587.0	1584.6	1582.2	1579.8
170°	1596.0	1598.1	1598.0	1595.6	1593.2	1590.8	1588.4
172.5°	1602.0	1603.9	1603.7	1601.3	1598.9	1596.6	1594.2
175°	1609.1	1611.2	1611.1	1608.7	1606.3	1603.9	1601.6
177.5°	1611.2	1612.7	1612.6	1610.9	1609.2	1607.5	1605.8
180°	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7	1608.7

(END OF REPORT)