

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: P333388-830

Luminaire Tested: **S125DIW-S610D1340U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333388-830
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-S610D1340U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7439.2 lumens
Efficiency: N/A
Efficacy: 138.3 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

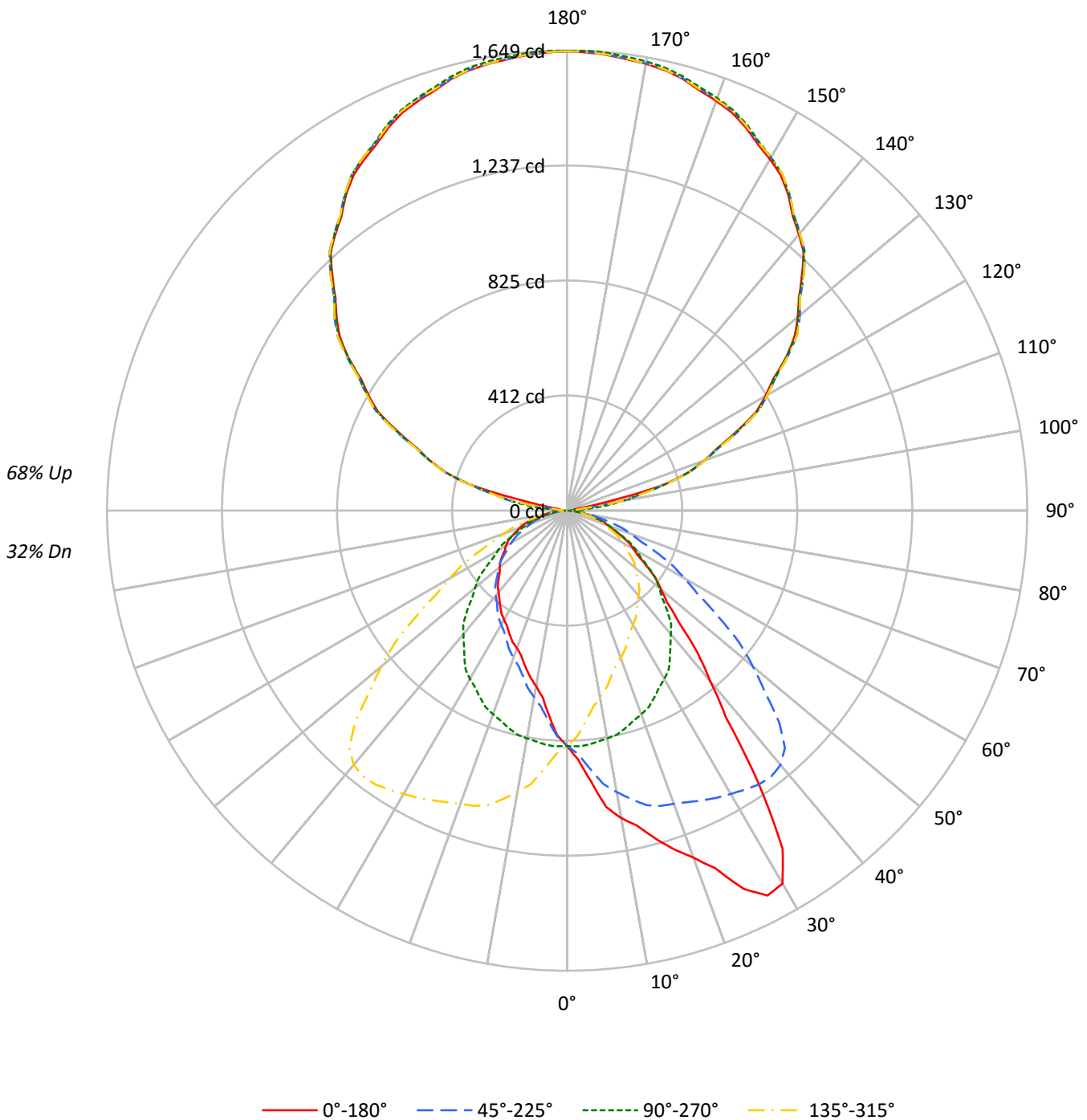
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	84	81	78	75	64	62	60	49	48	47	35	34	34	27
2	86	78	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	56	70	62	56	52	50	46	42	38	36	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	12
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	18	15	16	13	12	9
10	45	33	26	21	40	30	24	20	25	20	17	19	16	14	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5448	5448	5448	5448
5°	6309	5466	4786	5466
10°	7340	5438	4194	5438
15°	8125	5398	3869	5398
20°	9095	5335	3608	5335
25°	10655	5264	3480	5264
30°	11508	5193	3370	5193
35°	9462	5062	3297	5062
40°	6726	4878	3217	4878
45°	5167	4631	3172	4631
50°	4410	4324	3166	4324
55°	3926	4023	3193	4023
60°	3543	3695	3274	3695
65°	3272	3365	3359	3365
70°	2974	3021	3408	3021
75°	2628	2662	3376	2662
80°	2213	2168	3087	2168
85°	1756	1564	2490	1564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.1
10°-20°	241.8	3.3
20°-30°	392.6	5.3
30°-40°	478.9	6.4
40°-50°	435.7	5.9
50°-60°	347.0	4.7
60°-70°	241.7	3.2
70°-80°	128.9	1.7
80°-90°	36.0	0.5
90°-100°	59.8	0.8
100°-110°	368.7	5.0
110°-120°	668.7	9.0
120°-130°	858.2	11.5
130°-140°	923.1	12.4
140°-150°	866.4	11.6
150°-160°	700.9	9.4
160°-170°	453.3	6.1
170°-180°	156.3	2.1
0°-30°	715.6	9.6
0°-40°	1194.5	16.1
0°-60°	1977.3	26.6
0°-90°	2383.8	32.0
90°-120°	1097.2	14.7
90°-150°	3744.9	50.3
90°-180°	5055.0	68.0
0°-180°	7439.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	844	844	844	844	844	
5°	973	843	738	843	973	98
15°	1215	807	579	807	1215	348
25°	1495	739	488	739	1495	683
35°	1200	642	418	642	1200	735
45°	566	507	347	507	566	453
55°	349	357	284	357	349	314
65°	214	220	220	220	214	212
75°	105	107	135	107	105	113
85°	24	21	34	21	24	28
90°	29	1	29	1	29	14
95°	26	70	26	70	26	21
105°	362	359	362	359	362	328
115°	669	674	669	674	669	664
125°	958	958	958	958	958	852
135°	1190	1195	1190	1195	1190	918
145°	1382	1385	1382	1385	1382	863
155°	1514	1525	1514	1525	1514	698
165°	1601	1610	1601	1610	1601	452
175°	1639	1646	1639	1646	1639	156
180°	1646	1646	1646	1646	1646	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	892.3	891.1	889.9	887.7	889.4	884.5	882.2	878.3	873.4	871.7	869.6
5°	973.2	975.0	976.8	969.2	970.0	965.0	953.5	944.1	936.7	927.0	920.2
7.5°	1070.5	1066.3	1066.0	1061.1	1052.7	1046.0	1034.0	1018.6	1003.8	986.9	973.0
10°	1119.3	1119.6	1116.4	1110.7	1101.7	1095.2	1079.5	1064.5	1046.2	1024.7	1009.4
12.5°	1155.9	1157.4	1153.4	1145.7	1141.2	1126.8	1114.5	1096.6	1074.9	1057.7	1034.3
15°	1215.2	1211.3	1208.4	1198.7	1191.2	1176.2	1156.5	1137.8	1114.3	1092.4	1070.5
17.5°	1272.3	1275.5	1270.2	1261.3	1238.0	1220.4	1194.0	1168.6	1139.1	1109.8	1083.7
20°	1323.3	1326.3	1318.0	1302.6	1274.7	1257.1	1222.4	1189.4	1155.5	1117.9	1089.2
22.5°	1387.0	1384.7	1373.6	1350.1	1326.0	1293.5	1255.9	1215.8	1173.2	1130.7	1092.6
25°	1495.2	1480.2	1473.4	1444.4	1412.5	1364.9	1313.3	1254.6	1201.6	1145.4	1096.7
27.5°	1555.2	1550.5	1542.9	1522.7	1489.2	1438.3	1377.5	1306.0	1231.1	1160.3	1096.5
30°	1543.2	1543.9	1544.6	1538.1	1516.7	1478.4	1417.9	1340.9	1252.1	1172.2	1098.5
32.5°	1436.6	1449.6	1462.2	1476.9	1482.9	1475.6	1437.7	1368.1	1276.8	1186.0	1097.3
35°	1200.1	1204.1	1244.6	1284.7	1339.1	1381.4	1409.7	1378.8	1301.8	1197.7	1096.0
37.5°	935.8	955.2	983.2	1028.5	1107.0	1177.3	1267.8	1309.4	1284.5	1201.5	1093.4
40°	797.8	815.7	833.9	880.1	946.3	1031.5	1134.3	1222.0	1242.5	1189.4	1084.9
42.5°	691.2	705.4	725.7	760.3	815.7	891.2	989.4	1104.0	1174.5	1154.5	1066.9
45°	565.7	574.7	590.4	618.0	658.1	717.2	803.8	929.2	1038.3	1074.5	1024.0
47.5°	484.2	484.2	496.4	515.5	544.4	594.6	658.6	756.9	873.5	959.8	955.7
50°	438.9	437.2	446.9	463.4	486.3	519.5	580.8	659.2	771.3	869.0	896.2
52.5°	400.0	400.2	406.1	418.3	437.5	466.0	511.7	582.4	678.2	778.4	829.7
55°	348.7	347.3	354.1	362.3	376.4	394.9	427.9	481.9	559.6	658.5	725.0
57.5°	301.8	305.7	308.4	314.1	325.7	338.2	366.0	405.7	467.3	552.1	622.5
60°	274.3	278.2	280.3	286.1	295.4	306.1	327.6	359.9	411.8	484.8	554.6
62.5°	249.6	252.7	253.4	258.5	266.2	276.6	293.5	320.6	361.7	425.5	493.9
65°	214.1	214.1	215.6	220.9	224.5	233.8	246.7	266.4	299.4	349.1	407.5
67.5°	179.8	181.6	181.3	183.6	186.9	194.2	203.4	219.6	244.0	280.3	327.1
70°	157.5	159.0	158.6	160.4	164.0	168.6	176.2	191.5	209.1	240.3	280.3
72.5°	137.5	138.1	137.1	139.5	141.7	145.7	154.1	162.3	178.7	205.0	238.0
75°	105.3	105.9	106.7	108.1	110.3	112.4	116.7	125.0	135.7	155.4	176.5
77.5°	78.9	77.6	79.3	79.1	80.3	81.9	85.7	90.1	98.9	111.3	127.7
80°	59.5	59.8	59.8	60.1	61.9	63.1	66.3	69.5	76.3	85.6	97.0
82.5°	43.4	44.3	43.7	44.4	45.9	46.7	48.4	51.1	55.0	62.4	70.7
85°	23.7	21.9	22.5	23.3	23.3	23.7	25.1	26.1	28.3	31.1	34.4
87.5°	12.7	13.1	13.3	13.1	13.2	13.0	13.9	13.6	14.2	14.8	15.6
90°	29.3	28.5	27.6	26.9	26.0	25.0	23.6	22.2	20.9	19.5	17.6
92.5°	27.3	27.0	26.6	26.2	25.8	25.0	23.6	22.2	20.9	19.5	17.8
95°	25.6	25.6	25.6	25.6	25.6	25.0	23.6	22.2	20.9	19.5	29.8
97.5°	25.6	25.6	25.6	25.6	25.6	29.4	37.1	44.8	52.4	60.0	80.4
100°	25.6	26.7	27.8	28.8	30.0	50.7	91.1	131.5	171.9	212.4	211.2
102.5°	153.5	171.9	190.4	208.9	227.2	240.3	248.0	255.6	263.3	270.9	270.2
105°	362.4	362.7	363.0	363.3	363.5	363.6	363.6	363.6	363.6	363.6	363.6
107.5°	456.9	457.7	458.5	459.3	460.1	460.5	460.5	460.4	460.3	460.3	459.8
110°	522.4	522.1	521.8	521.5	521.2	521.5	522.4	523.1	524.0	524.7	524.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	580.9	581.3	581.6	582.0	582.4	583.2	584.2	585.1	586.2	587.2	586.9
115°	668.7	670.3	672.0	673.6	675.2	676.7	677.7	678.8	679.9	681.0	680.7
117.5°	762.5	763.2	763.9	764.6	765.3	766.4	767.8	769.2	770.6	772.0	771.0
120°	820.1	821.4	822.7	824.2	825.5	826.4	827.0	827.6	828.1	828.6	827.8
122.5°	874.8	876.3	877.9	879.5	881.0	882.1	882.6	883.2	883.7	884.3	883.9
125°	958.0	958.8	959.6	960.5	961.2	962.1	963.3	964.3	965.4	966.5	966.5
127.5°	1028.0	1030.0	1032.1	1034.1	1036.0	1037.4	1037.9	1038.6	1039.2	1039.7	1039.9
130°	1078.8	1080.2	1081.5	1082.9	1084.2	1085.3	1086.1	1086.9	1087.8	1088.5	1088.3
132.5°	1125.7	1127.0	1128.4	1129.7	1131.1	1131.8	1132.0	1132.2	1132.4	1132.5	1133.1
135°	1189.9	1191.5	1193.1	1194.8	1196.4	1197.4	1198.0	1198.5	1199.1	1199.6	1200.1
137.5°	1254.2	1255.7	1257.1	1258.5	1259.9	1260.6	1260.5	1260.4	1260.3	1260.2	1260.7
140°	1292.3	1294.0	1295.6	1297.2	1298.8	1299.4	1298.8	1298.4	1297.8	1297.2	1297.5
142.5°	1328.5	1330.1	1331.7	1333.3	1335.0	1335.8	1335.7	1335.5	1335.4	1335.3	1334.9
145°	1381.5	1383.1	1384.7	1386.3	1388.0	1388.6	1388.4	1388.1	1387.8	1387.5	1387.5
147.5°	1425.1	1427.1	1429.0	1431.0	1432.9	1433.8	1433.4	1433.1	1432.8	1432.5	1432.1
150°	1453.4	1455.6	1457.7	1459.9	1462.1	1462.9	1462.4	1461.9	1461.3	1460.8	1460.2
152.5°	1479.8	1481.8	1483.8	1485.6	1487.6	1488.3	1487.8	1487.2	1486.7	1486.1	1485.6
155°	1514.5	1516.6	1518.8	1521.0	1523.1	1523.8	1523.0	1522.2	1521.4	1520.6	1520.0
157.5°	1543.5	1545.7	1547.8	1550.0	1552.2	1552.8	1552.0	1551.1	1550.2	1549.4	1549.4
160°	1562.1	1564.2	1566.4	1568.6	1570.7	1571.3	1570.2	1569.1	1568.0	1567.0	1566.7
162.5°	1578.7	1581.0	1583.4	1585.8	1588.2	1588.7	1587.1	1585.5	1584.0	1582.5	1582.2
165°	1601.1	1603.3	1605.4	1607.6	1609.8	1610.1	1608.4	1606.8	1605.1	1603.5	1603.3
167.5°	1616.7	1619.2	1621.6	1624.0	1626.5	1626.7	1624.8	1622.9	1620.9	1618.9	1618.6
170°	1625.5	1628.0	1630.4	1632.9	1635.3	1635.4	1633.2	1631.1	1628.9	1626.7	1626.5
172.5°	1631.4	1633.8	1636.3	1638.7	1641.2	1641.3	1639.5	1637.5	1635.5	1633.5	1633.0
175°	1638.9	1641.3	1643.8	1646.2	1648.7	1648.8	1646.6	1644.5	1642.3	1640.1	1639.9
177.5°	1643.3	1645.0	1646.8	1648.5	1650.3	1650.4	1648.9	1647.4	1645.9	1644.3	1644.1
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	867.9	865.9	863.7	859.6	854.7	852.2	848.2	845.6	840.4	836.1	831.5
5°	911.9	902.7	894.1	883.0	870.8	862.9	853.6	843.2	832.5	821.3	809.2
7.5°	957.5	941.1	923.2	903.9	885.1	867.8	851.2	835.0	819.8	801.4	785.9
10°	988.3	967.4	945.3	919.1	893.7	871.5	848.9	829.2	809.2	787.7	768.7
12.5°	1018.9	991.2	959.9	931.1	900.6	873.8	847.3	822.1	796.9	773.1	751.0
15°	1040.5	1016.2	987.1	946.3	911.9	875.1	840.0	807.4	776.9	750.5	722.6
17.5°	1054.7	1023.4	992.2	953.1	908.0	866.8	827.0	789.8	755.4	721.8	694.9
20°	1057.3	1025.1	992.5	954.2	908.0	860.7	821.0	776.3	739.3	704.6	671.7
22.5°	1056.5	1019.9	984.5	945.0	900.0	856.5	808.4	762.8	722.7	688.6	654.2
25°	1048.4	1009.4	965.0	925.2	880.8	834.6	785.9	738.7	697.9	658.8	624.8
27.5°	1041.6	991.0	940.8	894.4	851.5	809.2	762.6	714.2	668.9	629.3	597.3
30°	1033.3	977.8	921.2	872.9	828.9	787.7	743.7	696.4	649.1	610.5	576.1
32.5°	1025.9	961.2	901.5	848.9	802.3	762.2	721.6	676.7	630.3	591.0	556.7
35°	1011.5	936.7	868.3	808.8	759.0	717.9	683.9	642.0	599.4	561.4	528.5
37.5°	993.3	904.5	831.0	768.7	714.2	670.8	639.1	607.0	566.1	529.5	499.7
40°	978.9	881.6	803.8	740.1	683.5	638.4	609.1	578.6	544.6	510.6	479.1
42.5°	960.8	860.9	776.3	707.8	651.8	607.8	576.9	551.1	521.1	489.4	460.1
45°	927.7	823.5	731.9	658.1	601.5	558.2	526.3	507.0	484.5	454.4	429.7
47.5°	878.9	778.6	683.8	607.7	549.3	509.2	479.3	460.7	444.9	422.5	400.1
50°	835.7	745.1	649.1	573.6	515.2	474.8	447.2	430.4	416.8	399.5	380.6
52.5°	787.3	702.9	615.1	540.4	482.6	442.7	415.7	400.9	389.6	377.2	358.5
55°	710.4	638.8	557.1	486.3	432.9	393.9	370.2	357.3	348.0	338.7	327.3
57.5°	625.7	569.7	497.3	432.5	383.4	347.9	325.8	313.3	306.0	301.2	294.5
60°	566.1	518.1	455.8	396.7	348.7	317.3	295.8	286.1	280.0	276.1	271.1
62.5°	510.8	471.4	413.7	359.8	317.8	288.0	268.8	259.5	253.6	251.8	247.5
65°	429.3	398.9	351.3	306.5	270.7	245.2	229.1	220.2	216.6	214.4	214.8
67.5°	349.0	330.5	292.3	254.1	225.5	204.2	191.2	184.4	182.6	179.7	179.6
70°	300.0	286.1	253.8	220.6	195.1	178.7	167.2	160.0	158.3	156.8	156.5
72.5°	256.7	244.6	216.6	189.9	167.1	152.6	143.2	138.8	135.9	135.1	135.0
75°	193.0	186.2	164.0	142.9	127.1	117.1	110.7	106.7	104.5	104.2	104.5
77.5°	137.2	131.3	117.2	102.2	92.3	84.6	79.2	77.9	75.4	75.5	75.1
80°	103.1	99.2	90.2	78.4	70.2	63.7	60.9	58.3	57.7	56.6	57.7
82.5°	74.7	70.5	64.5	56.9	50.1	46.3	43.4	42.6	42.1	41.7	41.8
85°	36.9	37.2	33.6	27.9	25.1	22.9	21.1	21.1	20.7	20.5	20.7
87.5°	15.7	14.8	13.3	12.0	10.2	8.9	8.1	8.0	7.5	7.7	8.4
90°	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.1	14.5	12.8	12.7	14.2	15.7	17.2	18.8	17.2	15.7	14.2
95°	40.2	50.4	60.7	66.3	67.1	68.0	68.7	69.6	68.7	68.0	67.1
97.5°	100.9	121.2	141.6	151.1	149.6	148.2	146.7	145.2	146.7	148.2	149.6
100°	210.2	209.1	208.0	207.1	206.2	205.4	204.6	203.8	204.6	205.4	206.2
102.5°	269.7	269.0	268.3	267.5	266.5	265.4	264.4	263.3	264.4	265.4	266.5
105°	363.6	363.6	363.6	363.2	362.0	361.0	359.9	358.8	359.9	361.0	362.0
107.5°	459.2	458.7	458.2	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9
110°	523.7	523.1	522.5	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	586.5	586.3	586.0	585.4	584.8	584.2	583.5	582.9	583.5	584.2	584.8
115°	680.4	680.1	679.9	679.1	677.7	676.4	675.0	673.6	675.0	676.4	677.7
117.5°	770.0	768.9	767.9	767.4	767.4	767.5	767.5	767.6	767.5	767.5	767.4
120°	827.0	826.1	825.4	825.1	825.4	825.7	826.0	826.1	826.0	825.7	825.4
122.5°	883.5	883.2	882.8	882.0	881.0	880.0	878.9	877.9	878.9	880.0	881.0
125°	966.5	966.5	966.5	965.5	963.7	961.8	959.9	958.0	959.9	961.8	963.7
127.5°	1040.1	1040.2	1040.4	1039.8	1038.4	1037.1	1035.8	1034.3	1035.8	1037.1	1038.4
130°	1088.0	1087.8	1087.5	1086.7	1085.3	1083.9	1082.6	1081.2	1082.6	1083.9	1085.3
132.5°	1133.7	1134.3	1134.9	1134.3	1132.8	1131.2	1129.6	1128.1	1129.6	1131.2	1132.8
135°	1200.7	1201.3	1201.7	1201.3	1199.6	1198.0	1196.4	1194.8	1196.4	1198.0	1199.6
137.5°	1261.1	1261.6	1262.1	1261.6	1260.2	1258.8	1257.4	1256.0	1257.4	1258.8	1260.2
140°	1297.8	1298.1	1298.4	1298.2	1297.6	1297.1	1296.6	1296.0	1296.6	1297.1	1297.6
142.5°	1334.5	1334.2	1333.8	1333.4	1333.1	1332.8	1332.5	1332.1	1332.5	1332.8	1333.1
145°	1387.5	1387.5	1387.5	1387.2	1386.8	1386.2	1385.6	1385.1	1385.6	1386.2	1386.8
147.5°	1431.8	1431.4	1431.2	1431.1	1431.2	1431.3	1431.3	1431.4	1431.3	1431.3	1431.2
150°	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1460.2	1459.7	1459.2
152.5°	1485.1	1484.5	1483.9	1484.3	1485.5	1486.7	1487.9	1489.0	1487.9	1486.7	1485.5
155°	1519.5	1518.9	1518.4	1518.9	1520.6	1522.2	1523.8	1525.4	1523.8	1522.2	1520.6
157.5°	1549.3	1549.2	1549.2	1549.6	1550.6	1551.5	1552.6	1553.5	1552.6	1551.5	1550.6
160°	1566.4	1566.1	1565.8	1566.5	1568.1	1569.8	1571.4	1573.0	1571.4	1569.8	1568.1
162.5°	1582.1	1581.8	1581.5	1582.2	1583.8	1585.4	1587.1	1588.7	1587.1	1585.4	1583.8
165°	1603.0	1602.7	1602.4	1603.2	1604.8	1606.4	1608.0	1609.7	1608.0	1606.4	1604.8
167.5°	1618.3	1618.1	1617.9	1618.5	1620.2	1621.9	1623.6	1625.2	1623.6	1621.9	1620.2
170°	1626.2	1625.9	1625.6	1626.5	1628.3	1630.2	1632.2	1634.1	1632.2	1630.2	1628.3
172.5°	1632.6	1632.1	1631.6	1632.3	1634.2	1636.2	1638.0	1639.9	1638.0	1636.2	1634.2
175°	1639.6	1639.4	1639.1	1639.7	1641.3	1643.0	1644.6	1646.2	1644.6	1643.0	1641.3
177.5°	1643.9	1643.7	1643.4	1644.0	1645.3	1646.6	1647.8	1649.2	1647.8	1646.6	1645.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	829.0	825.8	823.2	817.5	814.4	810.0	806.6	810.3	806.3	808.0	805.5
5°	803.1	793.1	785.9	775.5	766.6	758.4	752.2	751.2	748.3	746.9	742.6
7.5°	772.0	759.5	747.2	733.6	722.1	710.5	702.9	696.8	692.8	687.4	683.7
10°	753.7	736.9	722.6	706.1	691.7	679.2	669.2	664.2	659.5	652.7	650.3
12.5°	731.0	713.7	696.2	678.5	664.9	650.8	642.2	634.7	631.5	623.8	623.0
15°	703.9	677.8	660.6	642.7	623.7	612.3	605.1	596.9	593.3	588.0	584.0
17.5°	671.6	648.2	626.7	608.2	591.9	582.3	573.3	567.7	561.6	558.1	551.6
20°	648.1	625.8	604.4	584.7	572.1	561.1	553.9	548.6	542.1	540.3	533.9
22.5°	628.3	603.8	583.2	566.7	553.0	540.5	532.7	529.0	524.6	519.1	517.8
25°	596.2	570.7	553.2	536.7	524.5	513.1	507.7	503.0	498.8	494.8	493.4
27.5°	568.4	545.6	524.8	509.9	499.4	488.9	484.2	478.5	475.3	472.2	468.3
30°	548.9	525.7	507.4	493.0	481.5	472.3	467.2	463.4	460.4	457.6	455.4
32.5°	528.9	507.3	489.6	475.6	464.1	457.1	452.6	449.9	446.7	443.3	440.5
35°	502.4	478.7	461.6	449.3	440.4	435.0	430.0	427.5	424.0	424.0	421.0
37.5°	472.5	452.0	436.9	425.7	417.7	412.9	407.6	405.9	403.5	402.0	401.1
40°	454.7	435.7	421.4	410.3	401.7	397.8	393.5	390.6	389.2	387.4	386.7
42.5°	436.4	418.3	404.5	394.3	386.8	383.4	379.5	377.5	374.6	372.2	371.8
45°	408.5	391.0	378.4	370.2	363.8	359.9	357.3	353.1	351.6	348.7	348.4
47.5°	382.1	365.2	353.0	346.2	340.5	337.3	333.4	329.1	327.4	326.0	325.9
50°	362.3	346.9	335.5	329.0	323.7	319.1	315.1	312.3	311.1	311.1	311.9
52.5°	342.3	329.2	319.4	311.6	306.5	301.5	297.9	296.1	294.5	296.2	297.6
55°	312.9	299.7	292.6	285.0	280.0	274.3	272.5	271.7	270.7	273.5	274.9
57.5°	281.8	272.6	264.2	256.7	252.2	248.9	246.5	246.1	248.1	249.4	254.1
60°	262.1	251.4	243.8	238.1	232.7	230.5	229.9	229.1	230.5	234.5	240.6
62.5°	240.3	231.6	223.5	219.2	215.3	211.7	211.5	212.0	214.8	219.3	225.5
65°	208.4	200.9	195.5	190.5	187.3	185.1	185.9	187.3	190.5	196.6	203.4
67.5°	176.0	170.8	166.0	161.9	158.8	158.8	159.6	161.7	165.5	172.5	178.7
70°	155.0	149.3	145.3	143.5	141.1	139.7	141.8	145.3	148.5	155.0	160.4
72.5°	134.1	129.2	126.2	125.0	123.9	122.7	123.5	127.3	131.7	138.2	144.4
75°	103.1	101.3	99.2	97.7	96.7	97.4	98.1	101.7	105.3	112.1	119.2
77.5°	75.3	73.4	72.1	71.7	71.2	71.5	73.5	76.2	79.7	84.6	90.1
80°	56.9	56.2	55.5	55.1	55.1	55.5	58.3	60.1	63.3	68.1	72.3
82.5°	41.5	41.0	40.9	40.8	41.1	41.2	42.9	45.2	47.9	51.5	55.1
85°	21.9	21.1	22.2	22.5	21.9	22.9	23.7	25.1	26.1	27.9	29.7
87.5°	9.1	10.1	10.2	10.8	11.2	12.3	12.2	13.6	14.4	15.3	15.3
90°	9.9	12.0	13.9	15.7	17.6	19.5	20.9	22.2	23.6	25.0	26.0
92.5°	12.7	12.8	14.5	16.1	17.8	19.5	20.9	22.2	23.6	25.0	25.8
95°	66.3	60.7	50.4	40.2	29.8	19.5	20.9	22.2	23.6	25.0	25.6
97.5°	151.1	141.6	121.2	100.9	80.4	60.0	52.4	44.8	37.1	29.4	25.6
100°	207.1	208.0	209.1	210.2	211.2	212.4	171.9	131.5	91.1	50.7	30.0
102.5°	267.5	268.3	269.0	269.7	270.2	270.9	263.3	255.6	248.0	240.3	227.2
105°	363.2	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.5
107.5°	457.9	458.2	458.7	459.2	459.8	460.3	460.3	460.4	460.5	460.5	460.1
110°	522.4	522.5	523.1	523.7	524.2	524.7	524.0	523.1	522.4	521.5	521.2



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	585.4	586.0	586.3	586.5	586.9	587.2	586.2	585.1	584.2	583.2	582.4
115°	679.1	679.9	680.1	680.4	680.7	681.0	679.9	678.8	677.7	676.7	675.2
117.5°	767.4	767.9	768.9	770.0	771.0	772.0	770.6	769.2	767.8	766.4	765.3
120°	825.1	825.4	826.1	827.0	827.8	828.6	828.1	827.6	827.0	826.4	825.5
122.5°	882.0	882.8	883.2	883.5	883.9	884.3	883.7	883.2	882.6	882.1	881.0
125°	965.5	966.5	966.5	966.5	966.5	966.5	965.4	964.3	963.3	962.1	961.2
127.5°	1039.8	1040.4	1040.2	1040.1	1039.9	1039.7	1039.2	1038.6	1037.9	1037.4	1036.0
130°	1086.7	1087.5	1087.8	1088.0	1088.3	1088.5	1087.8	1086.9	1086.1	1085.3	1084.2
132.5°	1134.3	1134.9	1134.3	1133.7	1133.1	1132.5	1132.4	1132.2	1132.0	1131.8	1131.1
135°	1201.3	1201.7	1201.3	1200.7	1200.1	1199.6	1199.1	1198.5	1198.0	1197.4	1196.4
137.5°	1261.6	1262.1	1261.6	1261.1	1260.7	1260.2	1260.3	1260.4	1260.5	1260.6	1259.9
140°	1298.2	1298.4	1298.1	1297.8	1297.5	1297.2	1297.8	1298.4	1298.8	1299.4	1298.8
142.5°	1333.4	1333.8	1334.2	1334.5	1334.9	1335.3	1335.4	1335.5	1335.7	1335.8	1335.0
145°	1387.2	1387.5	1387.5	1387.5	1387.5	1387.5	1387.8	1388.1	1388.4	1388.6	1388.0
147.5°	1431.1	1431.2	1431.4	1431.8	1432.1	1432.5	1432.8	1433.1	1433.4	1433.8	1432.9
150°	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1461.3	1461.9	1462.4	1462.9	1462.1
152.5°	1484.3	1483.9	1484.5	1485.1	1485.6	1486.1	1486.7	1487.2	1487.8	1488.3	1487.6
155°	1518.9	1518.4	1518.9	1519.5	1520.0	1520.6	1521.4	1522.2	1523.0	1523.8	1523.1
157.5°	1549.6	1549.2	1549.2	1549.3	1549.4	1549.4	1550.2	1551.1	1552.0	1552.8	1552.2
160°	1566.5	1565.8	1566.1	1566.4	1566.7	1567.0	1568.0	1569.1	1570.2	1571.3	1570.7
162.5°	1582.2	1581.5	1581.8	1582.1	1582.2	1582.5	1584.0	1585.5	1587.1	1588.7	1588.2
165°	1603.2	1602.4	1602.7	1603.0	1603.3	1603.5	1605.1	1606.8	1608.4	1610.1	1609.8
167.5°	1618.5	1617.9	1618.1	1618.3	1618.6	1618.9	1620.9	1622.9	1624.8	1626.7	1626.5
170°	1626.5	1625.6	1625.9	1626.2	1626.5	1626.7	1628.9	1631.1	1633.2	1635.4	1635.3
172.5°	1632.3	1631.6	1632.1	1632.6	1633.0	1633.5	1635.5	1637.5	1639.5	1641.3	1641.2
175°	1639.7	1639.1	1639.4	1639.6	1639.9	1640.1	1642.3	1644.5	1646.6	1648.8	1648.7
177.5°	1644.0	1643.4	1643.7	1643.9	1644.1	1644.3	1645.9	1647.4	1648.9	1650.4	1650.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	803.7	805.8	804.1	806.3	804.1	805.8	803.7	805.5	808.0	806.3	810.3
5°	740.8	737.5	739.7	738.3	739.7	737.5	740.8	742.6	746.9	748.3	751.2
7.5°	682.7	679.6	676.1	674.4	676.1	679.6	682.7	683.7	687.4	692.8	696.8
10°	646.3	642.3	642.0	639.5	642.0	642.3	646.3	650.3	652.7	659.5	664.2
12.5°	619.6	616.0	611.9	610.9	611.9	616.0	619.6	623.0	623.8	631.5	634.7
15°	581.8	579.0	576.5	578.6	576.5	579.0	581.8	584.0	588.0	593.3	596.9
17.5°	550.4	548.0	547.6	545.0	547.6	548.0	550.4	551.6	558.1	561.6	567.7
20°	530.7	528.9	529.5	524.9	529.5	528.9	530.7	533.9	540.3	542.1	548.6
22.5°	514.9	511.3	511.0	510.0	511.0	511.3	514.9	517.8	519.1	524.6	529.0
25°	490.2	488.4	486.6	488.4	486.6	488.4	490.2	493.4	494.8	498.8	503.0
27.5°	468.6	466.5	466.0	466.2	466.0	466.5	468.6	468.3	472.2	475.3	478.5
30°	455.4	451.9	452.2	451.9	452.2	451.9	455.4	455.4	457.6	460.4	463.4
32.5°	441.1	438.7	438.2	437.5	438.2	438.7	441.1	440.5	443.3	446.7	449.9
35°	420.0	420.0	418.2	418.2	418.2	420.0	420.0	421.0	424.0	424.0	427.5
37.5°	400.1	399.8	398.7	398.9	398.7	399.8	400.1	401.1	402.0	403.5	405.9
40°	385.2	384.9	383.8	381.6	383.8	384.9	385.2	386.7	387.4	389.2	390.6
42.5°	371.0	369.8	369.2	368.5	369.2	369.8	371.0	371.8	372.2	374.6	377.5
45°	348.4	348.4	347.7	347.3	347.7	348.4	348.4	348.4	348.7	351.6	353.1
47.5°	326.5	327.2	328.5	328.3	328.5	327.2	326.5	325.9	326.0	327.4	329.1
50°	313.3	313.7	314.7	315.1	314.7	313.7	313.3	311.9	311.1	311.1	312.3
52.5°	298.7	300.8	302.1	301.9	302.1	300.8	298.7	297.6	296.2	294.5	296.1
55°	278.2	280.7	283.2	283.6	283.2	280.7	278.2	274.9	273.5	270.7	271.7
57.5°	258.0	261.5	264.1	264.9	264.1	261.5	258.0	254.1	249.4	248.1	246.1
60°	244.2	248.8	252.0	253.5	252.0	248.8	244.2	240.6	234.5	230.5	229.1
62.5°	231.0	236.2	239.5	239.8	239.5	236.2	231.0	225.5	219.3	214.8	212.0
65°	209.4	214.8	217.7	219.8	217.7	214.8	209.4	203.4	196.6	190.5	187.3
67.5°	186.2	191.6	194.8	196.5	194.8	191.6	186.2	178.7	172.5	165.5	161.7
70°	169.4	174.7	179.0	180.5	179.0	174.7	169.4	160.4	155.0	148.5	145.3
72.5°	152.8	157.5	161.0	162.7	161.0	157.5	152.8	144.4	138.2	131.7	127.3
75°	123.9	130.4	133.6	135.3	133.6	130.4	123.9	119.2	112.1	105.3	101.7
77.5°	95.6	101.4	103.3	104.2	103.3	101.4	95.6	90.1	84.6	79.7	76.2
80°	76.6	80.2	82.8	83.0	82.8	80.2	76.6	72.3	68.1	63.3	60.1
82.5°	58.9	61.8	62.7	63.6	62.7	61.8	58.9	55.1	51.5	47.9	45.2
85°	32.2	33.6	34.0	33.6	34.0	33.6	32.2	29.7	27.9	26.1	25.1
87.5°	15.9	15.8	16.0	16.8	16.0	15.8	15.9	15.3	15.3	14.4	13.6
90°	26.9	27.6	28.5	29.3	28.5	27.6	26.9	26.0	25.0	23.6	22.2
92.5°	26.2	26.6	27.0	27.3	27.0	26.6	26.2	25.8	25.0	23.6	22.2
95°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.0	23.6	22.2
97.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	29.4	37.1	44.8
100°	28.8	27.8	26.7	25.6	26.7	27.8	28.8	30.0	50.7	91.1	131.5
102.5°	208.9	190.4	171.9	153.5	171.9	190.4	208.9	227.2	240.3	248.0	255.6
105°	363.3	363.0	362.7	362.4	362.7	363.0	363.3	363.5	363.6	363.6	363.6
107.5°	459.3	458.5	457.7	456.9	457.7	458.5	459.3	460.1	460.5	460.5	460.4
110°	521.5	521.8	522.1	522.4	522.1	521.8	521.5	521.2	521.5	522.4	523.1



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	582.0	581.6	581.3	580.9	581.3	581.6	582.0	582.4	583.2	584.2	585.1
115°	673.6	672.0	670.3	668.7	670.3	672.0	673.6	675.2	676.7	677.7	678.8
117.5°	764.6	763.9	763.2	762.5	763.2	763.9	764.6	765.3	766.4	767.8	769.2
120°	824.2	822.7	821.4	820.1	821.4	822.7	824.2	825.5	826.4	827.0	827.6
122.5°	879.5	877.9	876.3	874.8	876.3	877.9	879.5	881.0	882.1	882.6	883.2
125°	960.5	959.6	958.8	958.0	958.8	959.6	960.5	961.2	962.1	963.3	964.3
127.5°	1034.1	1032.1	1030.0	1028.0	1030.0	1032.1	1034.1	1036.0	1037.4	1037.9	1038.6
130°	1082.9	1081.5	1080.2	1078.8	1080.2	1081.5	1082.9	1084.2	1085.3	1086.1	1086.9
132.5°	1129.7	1128.4	1127.0	1125.7	1127.0	1128.4	1129.7	1131.1	1131.8	1132.0	1132.2
135°	1194.8	1193.1	1191.5	1189.9	1191.5	1193.1	1194.8	1196.4	1197.4	1198.0	1198.5
137.5°	1258.5	1257.1	1255.7	1254.2	1255.7	1257.1	1258.5	1259.9	1260.6	1260.5	1260.4
140°	1297.2	1295.6	1294.0	1292.3	1294.0	1295.6	1297.2	1298.8	1299.4	1298.8	1298.4
142.5°	1333.3	1331.7	1330.1	1328.5	1330.1	1331.7	1333.3	1335.0	1335.8	1335.7	1335.5
145°	1386.3	1384.7	1383.1	1381.5	1383.1	1384.7	1386.3	1388.0	1388.6	1388.4	1388.1
147.5°	1431.0	1429.0	1427.1	1425.1	1427.1	1429.0	1431.0	1432.9	1433.8	1433.4	1433.1
150°	1459.9	1457.7	1455.6	1453.4	1455.6	1457.7	1459.9	1462.1	1462.9	1462.4	1461.9
152.5°	1485.6	1483.8	1481.8	1479.8	1481.8	1483.8	1485.6	1487.6	1488.3	1487.8	1487.2
155°	1521.0	1518.8	1516.6	1514.5	1516.6	1518.8	1521.0	1523.1	1523.8	1523.0	1522.2
157.5°	1550.0	1547.8	1545.7	1543.5	1545.7	1547.8	1550.0	1552.2	1552.8	1552.0	1551.1
160°	1568.6	1566.4	1564.2	1562.1	1564.2	1566.4	1568.6	1570.7	1571.3	1570.2	1569.1
162.5°	1585.8	1583.4	1581.0	1578.7	1581.0	1583.4	1585.8	1588.2	1588.7	1587.1	1585.5
165°	1607.6	1605.4	1603.3	1601.1	1603.3	1605.4	1607.6	1609.8	1610.1	1608.4	1606.8
167.5°	1624.0	1621.6	1619.2	1616.7	1619.2	1621.6	1624.0	1626.5	1626.7	1624.8	1622.9
170°	1632.9	1630.4	1628.0	1625.5	1628.0	1630.4	1632.9	1635.3	1635.4	1633.2	1631.1
172.5°	1638.7	1636.3	1633.8	1631.4	1633.8	1636.3	1638.7	1641.2	1641.3	1639.5	1637.5
175°	1646.2	1643.8	1641.3	1638.9	1641.3	1643.8	1646.2	1648.7	1648.8	1646.6	1644.5
177.5°	1648.5	1646.8	1645.0	1643.3	1645.0	1646.8	1648.5	1650.3	1650.4	1648.9	1647.4
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	806.6	810.0	814.4	817.5	823.2	825.8	829.0	831.5	836.1	840.4	845.6
5°	752.2	758.4	766.6	775.5	785.9	793.1	803.1	809.2	821.3	832.5	843.2
7.5°	702.9	710.5	722.1	733.6	747.2	759.5	772.0	785.9	801.4	819.8	835.0
10°	669.2	679.2	691.7	706.1	722.6	736.9	753.7	768.7	787.7	809.2	829.2
12.5°	642.2	650.8	664.9	678.5	696.2	713.7	731.0	751.0	773.1	796.9	822.1
15°	605.1	612.3	623.7	642.7	660.6	677.8	703.9	722.6	750.5	776.9	807.4
17.5°	573.3	582.3	591.9	608.2	626.7	648.2	671.6	694.9	721.8	755.4	789.8
20°	553.9	561.1	572.1	584.7	604.4	625.8	648.1	671.7	704.6	739.3	776.3
22.5°	532.7	540.5	553.0	566.7	583.2	603.8	628.3	654.2	688.6	722.7	762.8
25°	507.7	513.1	524.5	536.7	553.2	570.7	596.2	624.8	658.8	697.9	738.7
27.5°	484.2	488.9	499.4	509.9	524.8	545.6	568.4	597.3	629.3	668.9	714.2
30°	467.2	472.3	481.5	493.0	507.4	525.7	548.9	576.1	610.5	649.1	696.4
32.5°	452.6	457.1	464.1	475.6	489.6	507.3	528.9	556.7	591.0	630.3	676.7
35°	430.0	435.0	440.4	449.3	461.6	478.7	502.4	528.5	561.4	599.4	642.0
37.5°	407.6	412.9	417.7	425.7	436.9	452.0	472.5	499.7	529.5	566.1	607.0
40°	393.5	397.8	401.7	410.3	421.4	435.7	454.7	479.1	510.6	544.6	578.6
42.5°	379.5	383.4	386.8	394.3	404.5	418.3	436.4	460.1	489.4	521.1	551.1
45°	357.3	359.9	363.8	370.2	378.4	391.0	408.5	429.7	454.4	484.5	507.0
47.5°	333.4	337.3	340.5	346.2	353.0	365.2	382.1	400.1	422.5	444.9	460.7
50°	315.1	319.1	323.7	329.0	335.5	346.9	362.3	380.6	399.5	416.8	430.4
52.5°	297.9	301.5	306.5	311.6	319.4	329.2	342.3	358.5	377.2	389.6	400.9
55°	272.5	274.3	280.0	285.0	292.6	299.7	312.9	327.3	338.7	348.0	357.3
57.5°	246.5	248.9	252.2	256.7	264.2	272.6	281.8	294.5	301.2	306.0	313.3
60°	229.9	230.5	232.7	238.1	243.8	251.4	262.1	271.1	276.1	280.0	286.1
62.5°	211.5	211.7	215.3	219.2	223.5	231.6	240.3	247.5	251.8	253.6	259.5
65°	185.9	185.1	187.3	190.5	195.5	200.9	208.4	214.8	214.4	216.6	220.2
67.5°	159.6	158.8	158.8	161.9	166.0	170.8	176.0	179.6	179.7	182.6	184.4
70°	141.8	139.7	141.1	143.5	145.3	149.3	155.0	156.5	156.8	158.3	160.0
72.5°	123.5	122.7	123.9	125.0	126.2	129.2	134.1	135.0	135.1	135.9	138.8
75°	98.1	97.4	96.7	97.7	99.2	101.3	103.1	104.5	104.2	104.5	106.7
77.5°	73.5	71.5	71.2	71.7	72.1	73.4	75.3	75.1	75.5	75.4	77.9
80°	58.3	55.5	55.1	55.1	55.5	56.2	56.9	57.7	56.6	57.7	58.3
82.5°	42.9	41.2	41.1	40.8	40.9	41.0	41.5	41.8	41.7	42.1	42.6
85°	23.7	22.9	21.9	22.5	22.2	21.1	21.9	20.7	20.5	20.7	21.1
87.5°	12.2	12.3	11.2	10.8	10.2	10.1	9.1	8.4	7.7	7.5	8.0
90°	20.9	19.5	17.6	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	20.9	19.5	17.8	16.1	14.5	12.8	12.7	14.2	15.7	17.2	18.8
95°	20.9	19.5	29.8	40.2	50.4	60.7	66.3	67.1	68.0	68.7	69.6
97.5°	52.4	60.0	80.4	100.9	121.2	141.6	151.1	149.6	148.2	146.7	145.2
100°	171.9	212.4	211.2	210.2	209.1	208.0	207.1	206.2	205.4	204.6	203.8
102.5°	263.3	270.9	270.2	269.7	269.0	268.3	267.5	266.5	265.4	264.4	263.3
105°	363.6	363.6	363.6	363.6	363.6	363.6	363.2	362.0	361.0	359.9	358.8
107.5°	460.3	460.3	459.8	459.2	458.7	458.2	457.9	457.9	457.9	457.9	457.9
110°	524.0	524.7	524.2	523.7	523.1	522.5	522.4	522.4	522.4	522.4	522.4



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	586.2	587.2	586.9	586.5	586.3	586.0	585.4	584.8	584.2	583.5	582.9
115°	679.9	681.0	680.7	680.4	680.1	679.9	679.1	677.7	676.4	675.0	673.6
117.5°	770.6	772.0	771.0	770.0	768.9	767.9	767.4	767.4	767.5	767.5	767.6
120°	828.1	828.6	827.8	827.0	826.1	825.4	825.1	825.4	825.7	826.0	826.1
122.5°	883.7	884.3	883.9	883.5	883.2	882.8	882.0	881.0	880.0	878.9	877.9
125°	965.4	966.5	966.5	966.5	966.5	966.5	965.5	963.7	961.8	959.9	958.0
127.5°	1039.2	1039.7	1039.9	1040.1	1040.2	1040.4	1039.8	1038.4	1037.1	1035.8	1034.3
130°	1087.8	1088.5	1088.3	1088.0	1087.8	1087.5	1086.7	1085.3	1083.9	1082.6	1081.2
132.5°	1132.4	1132.5	1133.1	1133.7	1134.3	1134.9	1134.3	1132.8	1131.2	1129.6	1128.1
135°	1199.1	1199.6	1200.1	1200.7	1201.3	1201.7	1201.3	1199.6	1198.0	1196.4	1194.8
137.5°	1260.3	1260.2	1260.7	1261.1	1261.6	1262.1	1261.6	1260.2	1258.8	1257.4	1256.0
140°	1297.8	1297.2	1297.5	1297.8	1298.1	1298.4	1298.2	1297.6	1297.1	1296.6	1296.0
142.5°	1335.4	1335.3	1334.9	1334.5	1334.2	1333.8	1333.4	1333.1	1332.8	1332.5	1332.1
145°	1387.8	1387.5	1387.5	1387.5	1387.5	1387.5	1387.2	1386.8	1386.2	1385.6	1385.1
147.5°	1432.8	1432.5	1432.1	1431.8	1431.4	1431.2	1431.1	1431.2	1431.3	1431.3	1431.4
150°	1461.3	1460.8	1460.2	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8
152.5°	1486.7	1486.1	1485.6	1485.1	1484.5	1483.9	1484.3	1485.5	1486.7	1487.9	1489.0
155°	1521.4	1520.6	1520.0	1519.5	1518.9	1518.4	1518.9	1520.6	1522.2	1523.8	1525.4
157.5°	1550.2	1549.4	1549.4	1549.3	1549.2	1549.2	1549.6	1550.6	1551.5	1552.6	1553.5
160°	1568.0	1567.0	1566.7	1566.4	1566.1	1565.8	1566.5	1568.1	1569.8	1571.4	1573.0
162.5°	1584.0	1582.5	1582.2	1582.1	1581.8	1581.5	1582.2	1583.8	1585.4	1587.1	1588.7
165°	1605.1	1603.5	1603.3	1603.0	1602.7	1602.4	1603.2	1604.8	1606.4	1608.0	1609.7
167.5°	1620.9	1618.9	1618.6	1618.3	1618.1	1617.9	1618.5	1620.2	1621.9	1623.6	1625.2
170°	1628.9	1626.7	1626.5	1626.2	1625.9	1625.6	1626.5	1628.3	1630.2	1632.2	1634.1
172.5°	1635.5	1633.5	1633.0	1632.6	1632.1	1631.6	1632.3	1634.2	1636.2	1638.0	1639.9
175°	1642.3	1640.1	1639.9	1639.6	1639.4	1639.1	1639.7	1641.3	1643.0	1644.6	1646.2
177.5°	1645.9	1644.3	1644.1	1643.9	1643.7	1643.4	1644.0	1645.3	1646.6	1647.8	1649.2
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333388-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	848.2	852.2	854.7	859.6	863.7	865.9	867.9	869.6	871.7	873.4	878.3
5°	853.6	862.9	870.8	883.0	894.1	902.7	911.9	920.2	927.0	936.7	944.1
7.5°	851.2	867.8	885.1	903.9	923.2	941.1	957.5	973.0	986.9	1003.8	1018.6
10°	848.9	871.5	893.7	919.1	945.3	967.4	988.3	1009.4	1024.7	1046.2	1064.5
12.5°	847.3	873.8	900.6	931.1	959.9	991.2	1018.9	1034.3	1057.7	1074.9	1096.6
15°	840.0	875.1	911.9	946.3	987.1	1016.2	1040.5	1070.5	1092.4	1114.3	1137.8
17.5°	827.0	866.8	908.0	953.1	992.2	1023.4	1054.7	1083.7	1109.8	1139.1	1168.6
20°	821.0	860.7	908.0	954.2	992.5	1025.1	1057.3	1089.2	1117.9	1155.5	1189.4
22.5°	808.4	856.5	900.0	945.0	984.5	1019.9	1056.5	1092.6	1130.7	1173.2	1215.8
25°	785.9	834.6	880.8	925.2	965.0	1009.4	1048.4	1096.7	1145.4	1201.6	1254.6
27.5°	762.6	809.2	851.5	894.4	940.8	991.0	1041.6	1096.5	1160.3	1231.1	1306.0
30°	743.7	787.7	828.9	872.9	921.2	977.8	1033.3	1098.5	1172.2	1252.1	1340.9
32.5°	721.6	762.2	802.3	848.9	901.5	961.2	1025.9	1097.3	1186.0	1276.8	1368.1
35°	683.9	717.9	759.0	808.8	868.3	936.7	1011.5	1096.0	1197.7	1301.8	1378.8
37.5°	639.1	670.8	714.2	768.7	831.0	904.5	993.3	1093.4	1201.5	1284.5	1309.4
40°	609.1	638.4	683.5	740.1	803.8	881.6	978.9	1084.9	1189.4	1242.5	1222.0
42.5°	576.9	607.8	651.8	707.8	776.3	860.9	960.8	1066.9	1154.5	1174.5	1104.0
45°	526.3	558.2	601.5	658.1	731.9	823.5	927.7	1024.0	1074.5	1038.3	929.2
47.5°	479.3	509.2	549.3	607.7	683.8	778.6	878.9	955.7	959.8	873.5	756.9
50°	447.2	474.8	515.2	573.6	649.1	745.1	835.7	896.2	869.0	771.3	659.2
52.5°	415.7	442.7	482.6	540.4	615.1	702.9	787.3	829.7	778.4	678.2	582.4
55°	370.2	393.9	432.9	486.3	557.1	638.8	710.4	725.0	658.5	559.6	481.9
57.5°	325.8	347.9	383.4	432.5	497.3	569.7	625.7	622.5	552.1	467.3	405.7
60°	295.8	317.3	348.7	396.7	455.8	518.1	566.1	554.6	484.8	411.8	359.9
62.5°	268.8	288.0	317.8	359.8	413.7	471.4	510.8	493.9	425.5	361.7	320.6
65°	229.1	245.2	270.7	306.5	351.3	398.9	429.3	407.5	349.1	299.4	266.4
67.5°	191.2	204.2	225.5	254.1	292.3	330.5	349.0	327.1	280.3	244.0	219.6
70°	167.2	178.7	195.1	220.6	253.8	286.1	300.0	280.3	240.3	209.1	191.5
72.5°	143.2	152.6	167.1	189.9	216.6	244.6	256.7	238.0	205.0	178.7	162.3
75°	110.7	117.1	127.1	142.9	164.0	186.2	193.0	176.5	155.4	135.7	125.0
77.5°	79.2	84.6	92.3	102.2	117.2	131.3	137.2	127.7	111.3	98.9	90.1
80°	60.9	63.7	70.2	78.4	90.2	99.2	103.1	97.0	85.6	76.3	69.5
82.5°	43.4	46.3	50.1	56.9	64.5	70.5	74.7	70.7	62.4	55.0	51.1
85°	21.1	22.9	25.1	27.9	33.6	37.2	36.9	34.4	31.1	28.3	26.1
87.5°	8.1	8.9	10.2	12.0	13.3	14.8	15.7	15.6	14.8	14.2	13.6
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.7	17.6	19.5	20.9	22.2
92.5°	17.2	15.7	14.2	12.7	12.8	14.5	16.1	17.8	19.5	20.9	22.2
95°	68.7	68.0	67.1	66.3	60.7	50.4	40.2	29.8	19.5	20.9	22.2
97.5°	146.7	148.2	149.6	151.1	141.6	121.2	100.9	80.4	60.0	52.4	44.8
100°	204.6	205.4	206.2	207.1	208.0	209.1	210.2	211.2	212.4	171.9	131.5
102.5°	264.4	265.4	266.5	267.5	268.3	269.0	269.7	270.2	270.9	263.3	255.6
105°	359.9	361.0	362.0	363.2	363.6	363.6	363.6	363.6	363.6	363.6	363.6
107.5°	457.9	457.9	457.9	457.9	458.2	458.7	459.2	459.8	460.3	460.3	460.4
110°	522.4	522.4	522.4	522.4	522.5	523.1	523.7	524.2	524.7	524.0	523.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	583.5	584.2	584.8	585.4	586.0	586.3	586.5	586.9	587.2	586.2	585.1
115°	675.0	676.4	677.7	679.1	679.9	680.1	680.4	680.7	681.0	679.9	678.8
117.5°	767.5	767.5	767.4	767.4	767.9	768.9	770.0	771.0	772.0	770.6	769.2
120°	826.0	825.7	825.4	825.1	825.4	826.1	827.0	827.8	828.6	828.1	827.6
122.5°	878.9	880.0	881.0	882.0	882.8	883.2	883.5	883.9	884.3	883.7	883.2
125°	959.9	961.8	963.7	965.5	966.5	966.5	966.5	966.5	966.5	965.4	964.3
127.5°	1035.8	1037.1	1038.4	1039.8	1040.4	1040.2	1040.1	1039.9	1039.7	1039.2	1038.6
130°	1082.6	1083.9	1085.3	1086.7	1087.5	1087.8	1088.0	1088.3	1088.5	1087.8	1086.9
132.5°	1129.6	1131.2	1132.8	1134.3	1134.9	1134.3	1133.7	1133.1	1132.5	1132.4	1132.2
135°	1196.4	1198.0	1199.6	1201.3	1201.7	1201.3	1200.7	1200.1	1199.6	1199.1	1198.5
137.5°	1257.4	1258.8	1260.2	1261.6	1262.1	1261.6	1261.1	1260.7	1260.2	1260.3	1260.4
140°	1296.6	1297.1	1297.6	1298.2	1298.4	1298.1	1297.8	1297.5	1297.2	1297.8	1298.4
142.5°	1332.5	1332.8	1333.1	1333.4	1333.8	1334.2	1334.5	1334.9	1335.3	1335.4	1335.5
145°	1385.6	1386.2	1386.8	1387.2	1387.5	1387.5	1387.5	1387.5	1387.5	1387.8	1388.1
147.5°	1431.3	1431.3	1431.2	1431.1	1431.2	1431.4	1431.8	1432.1	1432.5	1432.8	1433.1
150°	1460.2	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1461.3	1461.9
152.5°	1487.9	1486.7	1485.5	1484.3	1483.9	1484.5	1485.1	1485.6	1486.1	1486.7	1487.2
155°	1523.8	1522.2	1520.6	1518.9	1518.4	1518.9	1519.5	1520.0	1520.6	1521.4	1522.2
157.5°	1552.6	1551.5	1550.6	1549.6	1549.2	1549.2	1549.3	1549.4	1549.4	1550.2	1551.1
160°	1571.4	1569.8	1568.1	1566.5	1565.8	1566.1	1566.4	1566.7	1567.0	1568.0	1569.1
162.5°	1587.1	1585.4	1583.8	1582.2	1581.5	1581.8	1582.1	1582.2	1582.5	1584.0	1585.5
165°	1608.0	1606.4	1604.8	1603.2	1602.4	1602.7	1603.0	1603.3	1603.5	1605.1	1606.8
167.5°	1623.6	1621.9	1620.2	1618.5	1617.9	1618.1	1618.3	1618.6	1618.9	1620.9	1622.9
170°	1632.2	1630.2	1628.3	1626.5	1625.6	1625.9	1626.2	1626.5	1626.7	1628.9	1631.1
172.5°	1638.0	1636.2	1634.2	1632.3	1631.6	1632.1	1632.6	1633.0	1633.5	1635.5	1637.5
175°	1644.6	1643.0	1641.3	1639.7	1639.1	1639.4	1639.6	1639.9	1640.1	1642.3	1644.5
177.5°	1647.8	1646.6	1645.3	1644.0	1643.4	1643.7	1643.9	1644.1	1644.3	1645.9	1647.4
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	882.2	884.5	889.4	887.7	889.9	891.1	892.3
5°	953.5	965.0	970.0	969.2	976.8	975.0	973.2
7.5°	1034.0	1046.0	1052.7	1061.1	1066.0	1066.3	1070.5
10°	1079.5	1095.2	1101.7	1110.7	1116.4	1119.6	1119.3
12.5°	1114.5	1126.8	1141.2	1145.7	1153.4	1157.4	1155.9
15°	1156.5	1176.2	1191.2	1198.7	1208.4	1211.3	1215.2
17.5°	1194.0	1220.4	1238.0	1261.3	1270.2	1275.5	1272.3
20°	1222.4	1257.1	1274.7	1302.6	1318.0	1326.3	1323.3
22.5°	1255.9	1293.5	1326.0	1350.1	1373.6	1384.7	1387.0
25°	1313.3	1364.9	1412.5	1444.4	1473.4	1480.2	1495.2
27.5°	1377.5	1438.3	1489.2	1522.7	1542.9	1550.5	1555.2
30°	1417.9	1478.4	1516.7	1538.1	1544.6	1543.9	1543.2
32.5°	1437.7	1475.6	1482.9	1476.9	1462.2	1449.6	1436.6
35°	1409.7	1381.4	1339.1	1284.7	1244.6	1204.1	1200.1
37.5°	1267.8	1177.3	1107.0	1028.5	983.2	955.2	935.8
40°	1134.3	1031.5	946.3	880.1	833.9	815.7	797.8
42.5°	989.4	891.2	815.7	760.3	725.7	705.4	691.2
45°	803.8	717.2	658.1	618.0	590.4	574.7	565.7
47.5°	658.6	594.6	544.4	515.5	496.4	484.2	484.2
50°	580.8	519.5	486.3	463.4	446.9	437.2	438.9
52.5°	511.7	466.0	437.5	418.3	406.1	400.2	400.0
55°	427.9	394.9	376.4	362.3	354.1	347.3	348.7
57.5°	366.0	338.2	325.7	314.1	308.4	305.7	301.8
60°	327.6	306.1	295.4	286.1	280.3	278.2	274.3
62.5°	293.5	276.6	266.2	258.5	253.4	252.7	249.6
65°	246.7	233.8	224.5	220.9	215.6	214.1	214.1
67.5°	203.4	194.2	186.9	183.6	181.3	181.6	179.8
70°	176.2	168.6	164.0	160.4	158.6	159.0	157.5
72.5°	154.1	145.7	141.7	139.5	137.1	138.1	137.5
75°	116.7	112.4	110.3	108.1	106.7	105.9	105.3
77.5°	85.7	81.9	80.3	79.1	79.3	77.6	78.9
80°	66.3	63.1	61.9	60.1	59.8	59.8	59.5
82.5°	48.4	46.7	45.9	44.4	43.7	44.3	43.4
85°	25.1	23.7	23.3	23.3	22.5	21.9	23.7
87.5°	13.9	13.0	13.2	13.1	13.3	13.1	12.7
90°	23.6	25.0	26.0	26.9	27.6	28.5	29.3
92.5°	23.6	25.0	25.8	26.2	26.6	27.0	27.3
95°	23.6	25.0	25.6	25.6	25.6	25.6	25.6
97.5°	37.1	29.4	25.6	25.6	25.6	25.6	25.6
100°	91.1	50.7	30.0	28.8	27.8	26.7	25.6
102.5°	248.0	240.3	227.2	208.9	190.4	171.9	153.5
105°	363.6	363.6	363.5	363.3	363.0	362.7	362.4
107.5°	460.5	460.5	460.1	459.3	458.5	457.7	456.9
110°	522.4	521.5	521.2	521.5	521.8	522.1	522.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	584.2	583.2	582.4	582.0	581.6	581.3	580.9
115°	677.7	676.7	675.2	673.6	672.0	670.3	668.7
117.5°	767.8	766.4	765.3	764.6	763.9	763.2	762.5
120°	827.0	826.4	825.5	824.2	822.7	821.4	820.1
122.5°	882.6	882.1	881.0	879.5	877.9	876.3	874.8
125°	963.3	962.1	961.2	960.5	959.6	958.8	958.0
127.5°	1037.9	1037.4	1036.0	1034.1	1032.1	1030.0	1028.0
130°	1086.1	1085.3	1084.2	1082.9	1081.5	1080.2	1078.8
132.5°	1132.0	1131.8	1131.1	1129.7	1128.4	1127.0	1125.7
135°	1198.0	1197.4	1196.4	1194.8	1193.1	1191.5	1189.9
137.5°	1260.5	1260.6	1259.9	1258.5	1257.1	1255.7	1254.2
140°	1298.8	1299.4	1298.8	1297.2	1295.6	1294.0	1292.3
142.5°	1335.7	1335.8	1335.0	1333.3	1331.7	1330.1	1328.5
145°	1388.4	1388.6	1388.0	1386.3	1384.7	1383.1	1381.5
147.5°	1433.4	1433.8	1432.9	1431.0	1429.0	1427.1	1425.1
150°	1462.4	1462.9	1462.1	1459.9	1457.7	1455.6	1453.4
152.5°	1487.8	1488.3	1487.6	1485.6	1483.8	1481.8	1479.8
155°	1523.0	1523.8	1523.1	1521.0	1518.8	1516.6	1514.5
157.5°	1552.0	1552.8	1552.2	1550.0	1547.8	1545.7	1543.5
160°	1570.2	1571.3	1570.7	1568.6	1566.4	1564.2	1562.1
162.5°	1587.1	1588.7	1588.2	1585.8	1583.4	1581.0	1578.7
165°	1608.4	1610.1	1609.8	1607.6	1605.4	1603.3	1601.1
167.5°	1624.8	1626.7	1626.5	1624.0	1621.6	1619.2	1616.7
170°	1633.2	1635.4	1635.3	1632.9	1630.4	1628.0	1625.5
172.5°	1639.5	1641.3	1641.2	1638.7	1636.3	1633.8	1631.4
175°	1646.6	1648.8	1648.7	1646.2	1643.8	1641.3	1638.9
177.5°	1648.9	1650.4	1650.3	1648.5	1646.8	1645.0	1643.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2

(END OF REPORT)