

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: P333389-830

Luminaire Tested: **S125DIW-S610D1340U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333389-830  
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-S610D1340U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6767.8 lumens  
Efficiency: N/A  
Efficacy: 125.8 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

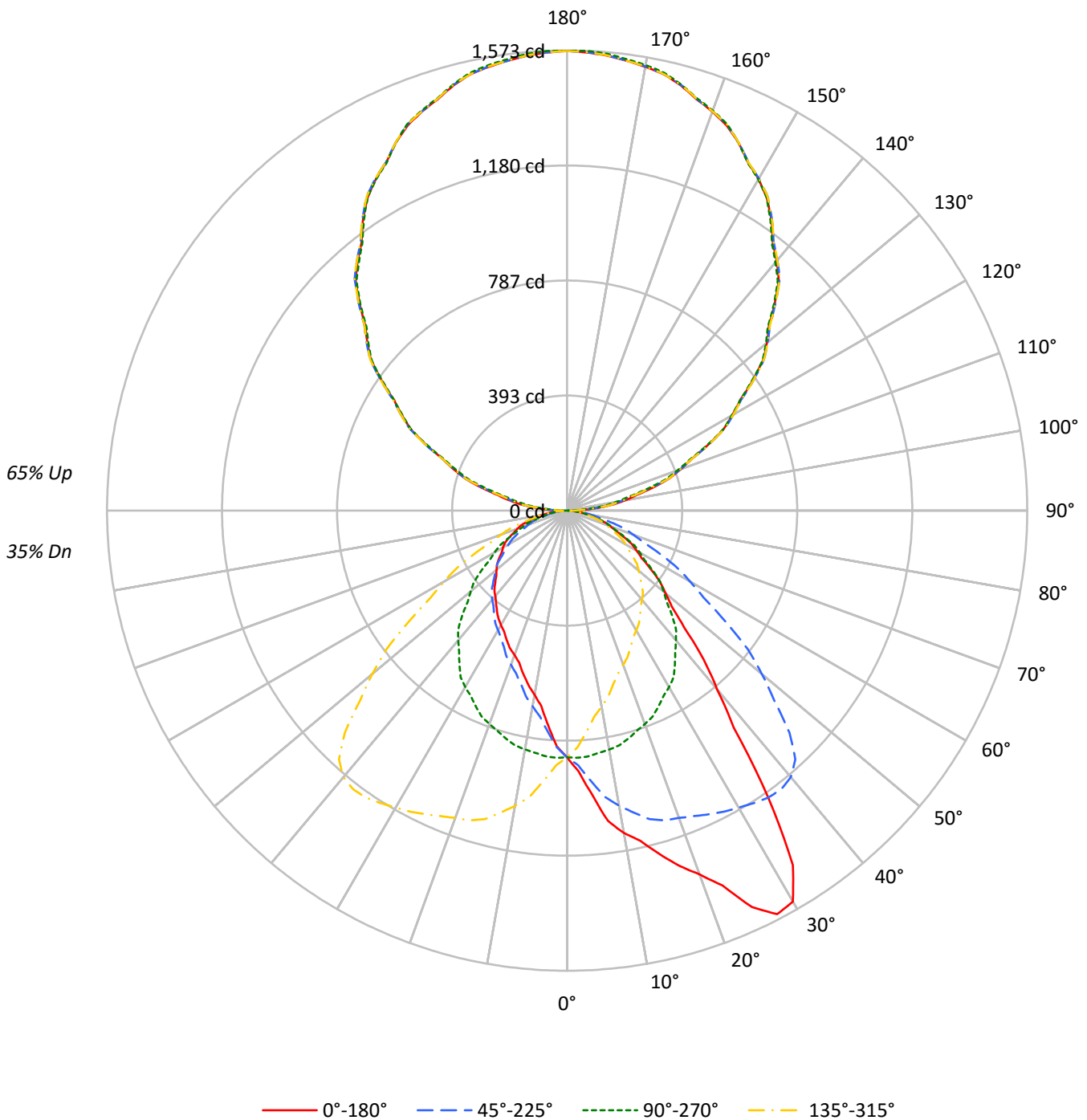
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

### 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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	67	63	58	54	51	45	43	41	33	32	31	25
3	79	70	63	57	71	63	57	52	51	47	43	40	37	35	30	28	26	22
4	72	62	54	48	65	56	49	44	45	41	37	36	32	30	27	24	23	19
5	66	55	47	41	59	50	43	38	41	36	32	32	28	26	24	22	20	16
6	61	49	41	36	55	45	38	33	37	31	28	29	25	22	22	19	17	14
7	56	44	36	31	51	40	34	29	33	28	24	26	23	20	20	17	15	13
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	16	14	11
9	48	36	29	24	44	33	27	23	28	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	16	13	11	9

**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



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	1.2
10°-20°	241.8	3.6
20°-30°	392.6	5.8
30°-40°	478.9	7.1
40°-50°	435.7	6.4
50°-60°	347.0	5.1
60°-70°	241.7	3.6
70°-80°	128.9	1.9
80°-90°	36.0	0.5
90°-100°	105.2	1.6
100°-110°	310.7	4.6
110°-120°	526.3	7.8
120°-130°	692.7	10.2
130°-140°	776.1	11.5
140°-150°	760.7	11.2
150°-160°	638.9	9.4
160°-170°	424.7	6.3
170°-180°	148.6	2.2
0°-30°	715.6	10.6
0°-40°	1194.5	17.7
0°-60°	1977.3	29.2
0°-90°	2383.8	35.2
90°-120°	942.3	13.9
90°-150°	3171.8	46.9
90°-180°	4384.0	64.8
0°-180°	6767.8	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	18
95°	105	80	105	80	105	107
105°	303	279	303	279	303	321
115°	532	527	532	527	532	526
125°	774	769	774	769	774	691
135°	1004	1000	1004	1000	1004	774
145°	1216	1212	1216	1212	1216	759
155°	1386	1386	1386	1386	1386	638
165°	1504	1508	1504	1508	1504	424
175°	1561	1567	1561	1567	1561	148
180°	1571	1571	1571	1571	1571	



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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	13.2	13.3	13.1	13.2	13.0	13.9	13.7	14.2	14.8	15.6
90°	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2	20.9	19.6	17.6
92.5°	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5	48.7	46.9	44.6
95°	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9	96.0	94.2	91.4
97.5°	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4	151.7	149.9	146.2
100°	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0	189.5	187.1	183.5
102.5°	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5	228.8	226.2	224.4
105°	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5	293.9	292.2	290.6
107.5°	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5	363.7	362.9	361.7
110°	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5	411.6	410.8	410.0



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4	460.1	459.7	458.6
115°	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8	534.0	534.3	533.8
117.5°	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1	606.9	606.7	606.1
120°	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6	656.6	656.6	656.3
122.5°	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0	705.2	705.5	704.7
125°	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5	777.0	777.6	777.3
127.5°	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4	847.7	848.0	847.7
130°	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4	894.7	894.9	894.4
132.5°	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4	939.7	940.0	940.1
135°	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7	1008.7	1008.7	1008.4
137.5°	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1	1075.7	1075.4	1074.9
140°	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6	1118.0	1117.5	1116.6
142.5°	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2	1159.9	1159.5	1158.5
145°	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2	1220.2	1220.2	1219.4
147.5°	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7	1275.2	1274.5	1273.8
150°	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7	1310.7	1310.7	1309.6
152.5°	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2	1342.7	1342.0	1341.5
155°	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9	1388.7	1387.7	1387.4
157.5°	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2	1429.1	1428.0	1427.8
160°	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6	1453.6	1452.5	1452.2
162.5°	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6	1476.3	1475.0	1474.9
165°	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4	1507.4	1506.3	1506.0
167.5°	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3	1529.7	1528.0	1528.0
170°	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0	1543.4	1541.7	1541.7
172.5°	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8	1553.1	1551.5	1551.5
175°	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8	1564.1	1562.5	1562.5
177.5°	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7	1569.4	1568.1	1568.4
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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°	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6	31.1	32.6	34.1
95°	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5	80.0	80.6	81.1
97.5°	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1	132.2	132.5	132.7
100°	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
102.5°	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2	214.3	215.4	216.5
105°	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8	280.1	281.4	282.9
107.5°	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1	352.5	353.8	355.2
110°	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1	402.4	403.8	405.1





TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9	452.6	453.3	454.0
115°	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0	528.0	529.1	530.2
117.5°	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3	602.8	603.2	603.7
120°	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2	650.5	652.0	653.3
122.5°	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1	700.6	701.1	701.5
125°	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0	770.6	772.3	773.9
127.5°	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4	843.3	844.2	845.2
130°	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4	887.8	889.1	890.5
132.5°	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4	932.6	934.9	937.1
135°	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1	1001.7	1003.3	1005.0
137.5°	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6	1067.2	1068.8	1070.4
140°	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7	1109.1	1110.4	1111.8
142.5°	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8	1150.9	1152.1	1153.2
145°	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6	1212.7	1213.8	1214.8
147.5°	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9	1269.4	1270.1	1270.6
150°	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0	1306.7	1306.5	1306.2
152.5°	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3	1338.7	1339.1	1339.4
155°	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5	1428.9	1428.3	1427.7
160°	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9	1454.2	1453.3	1452.5
162.5°	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4	1476.9	1476.2	1475.6
165°	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5	1506.9	1506.4	1505.9
167.5°	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0	1531.8	1530.8	1529.7
170°	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6	1545.6	1544.5	1543.4
172.5°	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4	1555.3	1554.3	1553.1
175°	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4	1566.3	1565.3	1564.1
177.5°	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0	1572.2	1571.3	1570.5
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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	11.3	12.3	12.2	13.7	14.4	15.3	15.3
90°	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2	23.7	25.0	26.1
92.5°	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5	52.3	54.1	55.3
95°	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9	99.8	101.8	102.9
97.5°	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4	155.2	157.0	158.2
100°	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0	194.4	196.8	198.3
102.5°	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5	234.1	236.9	238.6
105°	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5	297.1	298.7	299.9
107.5°	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5	365.3	366.2	366.6
110°	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5	413.2	414.1	414.3



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4	460.8	461.2	461.2
115°	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8	533.5	533.2	532.9
117.5°	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1	607.3	607.6	607.1
120°	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6	656.6	656.6	656.0
122.5°	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0	704.8	704.6	704.1
125°	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5	776.0	775.4	775.1
127.5°	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4	847.2	847.0	846.5
130°	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4	894.2	893.9	893.4
132.5°	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4	939.1	938.9	938.4
135°	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7	1008.7	1008.7	1008.1
137.5°	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1	1076.4	1076.8	1076.2
140°	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6	1119.1	1119.6	1119.3
142.5°	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2	1160.6	1160.8	1160.4
145°	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2	1220.2	1220.2	1219.7
147.5°	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7	1276.4	1277.1	1276.5
150°	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7	1310.7	1310.7	1310.4
152.5°	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2	1343.9	1344.5	1344.4
155°	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9	1390.9	1392.0	1391.9
157.5°	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2	1431.3	1432.4	1432.0
160°	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6	1455.8	1456.8	1456.7
162.5°	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6	1478.8	1480.2	1480.1
165°	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4	1509.6	1510.6	1510.3
167.5°	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3	1533.0	1534.6	1534.6
170°	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0	1546.6	1548.2	1548.1
172.5°	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8	1556.4	1558.0	1558.0
175°	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8	1567.4	1569.1	1568.9
177.5°	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7	1572.1	1573.4	1573.3
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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°	16.0	15.8	16.0	16.8	16.0	15.8	16.0	15.3	15.3	14.4	13.7
90°	26.9	27.7	28.6	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2
92.5°	55.9	56.6	57.1	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5
95°	103.5	104.1	104.6	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9
97.5°	158.4	158.8	159.1	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4
100°	198.9	199.4	200.0	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0
102.5°	239.3	240.1	240.8	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5
105°	300.8	301.6	302.4	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5
107.5°	366.5	366.4	366.4	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5
110°	414.1	413.8	413.5	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	460.7	460.2	459.7	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4
115°	532.6	532.3	532.2	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8
117.5°	606.1	604.9	603.9	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1
120°	654.9	653.8	652.7	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6
122.5°	703.1	702.3	701.4	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0
125°	774.8	774.5	774.2	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5
127.5°	846.0	845.5	844.9	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4
130°	893.0	892.4	891.8	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4
132.5°	937.6	936.8	936.0	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4
135°	1007.0	1006.0	1004.8	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7
137.5°	1074.9	1073.5	1072.1	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1
140°	1117.9	1116.5	1115.2	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6
142.5°	1159.0	1157.6	1156.2	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2
145°	1219.0	1218.1	1217.3	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2
147.5°	1274.6	1272.8	1270.9	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7
150°	1309.9	1309.3	1308.7	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7
152.5°	1343.4	1342.5	1341.4	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2
155°	1390.5	1389.2	1387.8	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9
157.5°	1430.2	1428.4	1426.6	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2
160°	1455.4	1454.0	1452.6	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6
162.5°	1478.5	1476.9	1475.4	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6
165°	1508.7	1507.1	1505.4	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4
167.5°	1532.9	1531.2	1529.5	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3
170°	1546.2	1544.4	1542.4	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0
172.5°	1556.3	1554.6	1552.9	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8
175°	1567.0	1565.1	1563.2	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8
177.5°	1571.7	1570.2	1568.7	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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	11.3	10.8	10.2	10.1	9.1	8.4	7.7	7.5	8.0
90°	20.9	19.6	17.6	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	48.7	46.9	44.6	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6
95°	96.0	94.2	91.4	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5
97.5°	151.7	149.9	146.2	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1
100°	189.5	187.1	183.5	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2
102.5°	228.8	226.2	224.4	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2
105°	293.9	292.2	290.6	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8
107.5°	363.7	362.9	361.7	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1
110°	411.6	410.8	410.0	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	460.1	459.7	458.6	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9
115°	534.0	534.3	533.8	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0
117.5°	606.9	606.7	606.1	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3
120°	656.6	656.6	656.3	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2
122.5°	705.2	705.5	704.7	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1
125°	777.0	777.6	777.3	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0
127.5°	847.7	848.0	847.7	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4
130°	894.7	894.9	894.4	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4
132.5°	939.7	940.0	940.1	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4
135°	1008.7	1008.7	1008.4	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1
137.5°	1075.7	1075.4	1074.9	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6
140°	1118.0	1117.5	1116.6	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7
142.5°	1159.9	1159.5	1158.5	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8
145°	1220.2	1220.2	1219.4	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6
147.5°	1275.2	1274.5	1273.8	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9
150°	1310.7	1310.7	1309.6	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0
152.5°	1342.7	1342.0	1341.5	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3
155°	1388.7	1387.7	1387.4	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1429.1	1428.0	1427.8	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5
160°	1453.6	1452.5	1452.2	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9
162.5°	1476.3	1475.0	1474.9	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4
165°	1507.4	1506.3	1506.0	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5
167.5°	1529.7	1528.0	1528.0	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0
170°	1543.4	1541.7	1541.7	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6
172.5°	1553.1	1551.5	1551.5	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4
175°	1564.1	1562.5	1562.5	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4
177.5°	1569.4	1568.1	1568.4	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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	13.7
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2
92.5°	31.1	32.6	34.1	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5
95°	80.0	80.6	81.1	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9
97.5°	132.2	132.5	132.7	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4
100°	171.2	171.2	171.2	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0
102.5°	214.3	215.4	216.5	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5
105°	280.1	281.4	282.9	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5
107.5°	352.5	353.8	355.2	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5
110°	402.4	403.8	405.1	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5





TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	452.6	453.3	454.0	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4
115°	528.0	529.1	530.2	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8
117.5°	602.8	603.2	603.7	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1
120°	650.5	652.0	653.3	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6
122.5°	700.6	701.1	701.5	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0
125°	770.6	772.3	773.9	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5
127.5°	843.3	844.2	845.2	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4
130°	887.8	889.1	890.5	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4
132.5°	932.6	934.9	937.1	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4
135°	1001.7	1003.3	1005.0	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7
137.5°	1067.2	1068.8	1070.4	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1
140°	1109.1	1110.4	1111.8	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6
142.5°	1150.9	1152.1	1153.2	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2
145°	1212.7	1213.8	1214.8	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2
147.5°	1269.4	1270.1	1270.6	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7
150°	1306.7	1306.5	1306.2	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7
152.5°	1338.7	1339.1	1339.4	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2
155°	1386.5	1386.5	1386.5	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9
157.5°	1428.9	1428.3	1427.7	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2
160°	1454.2	1453.3	1452.5	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6
162.5°	1476.9	1476.2	1475.6	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6
165°	1506.9	1506.4	1505.9	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4
167.5°	1531.8	1530.8	1529.7	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3
170°	1545.6	1544.5	1543.4	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0
172.5°	1555.3	1554.3	1553.1	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8
175°	1566.3	1565.3	1564.1	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8
177.5°	1572.2	1571.3	1570.5	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**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	13.2	12.7
90°	23.7	25.0	26.1	26.9	27.7	28.6	29.3
92.5°	52.3	54.1	55.3	55.9	56.6	57.1	57.7
95°	99.8	101.8	102.9	103.5	104.1	104.6	105.2
97.5°	155.2	157.0	158.2	158.4	158.8	159.1	159.5
100°	194.4	196.8	198.3	198.9	199.4	200.0	200.5
102.5°	234.1	236.9	238.6	239.3	240.1	240.8	241.6
105°	297.1	298.7	299.9	300.8	301.6	302.4	303.2
107.5°	365.3	366.2	366.6	366.5	366.4	366.4	366.3
110°	413.2	414.1	414.3	414.1	413.8	413.5	413.2



TEST NUMBER: P333389-830

CATALOG NUMBER: S125DIW-S610D1340U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	460.8	461.2	461.2	460.7	460.2	459.7	459.2
115°	533.5	533.2	532.9	532.6	532.3	532.2	531.9
117.5°	607.3	607.6	607.1	606.1	604.9	603.9	602.8
120°	656.6	656.6	656.0	654.9	653.8	652.7	651.7
122.5°	704.8	704.6	704.1	703.1	702.3	701.4	700.6
125°	776.0	775.4	775.1	774.8	774.5	774.2	773.9
127.5°	847.2	847.0	846.5	846.0	845.5	844.9	844.3
130°	894.2	893.9	893.4	893.0	892.4	891.8	891.3
132.5°	939.1	938.9	938.4	937.6	936.8	936.0	935.3
135°	1008.7	1008.7	1008.1	1007.0	1006.0	1004.8	1003.8
137.5°	1076.4	1076.8	1076.2	1074.9	1073.5	1072.1	1070.8
140°	1119.1	1119.6	1119.3	1117.9	1116.5	1115.2	1113.8
142.5°	1160.6	1160.8	1160.4	1159.0	1157.6	1156.2	1154.9
145°	1220.2	1220.2	1219.7	1219.0	1218.1	1217.3	1216.5
147.5°	1276.4	1277.1	1276.5	1274.6	1272.8	1270.9	1269.1
150°	1310.7	1310.7	1310.4	1309.9	1309.3	1308.7	1308.2
152.5°	1343.9	1344.5	1344.4	1343.4	1342.5	1341.4	1340.5
155°	1390.9	1392.0	1391.9	1390.5	1389.2	1387.8	1386.5
157.5°	1431.3	1432.4	1432.0	1430.2	1428.4	1426.6	1424.8
160°	1455.8	1456.8	1456.7	1455.4	1454.0	1452.6	1451.2
162.5°	1478.8	1480.2	1480.1	1478.5	1476.9	1475.4	1473.8
165°	1509.6	1510.6	1510.3	1508.7	1507.1	1505.4	1503.8
167.5°	1533.0	1534.6	1534.6	1532.9	1531.2	1529.5	1527.8
170°	1546.6	1548.2	1548.1	1546.2	1544.4	1542.4	1540.5
172.5°	1556.4	1558.0	1558.0	1556.3	1554.6	1552.9	1551.2
175°	1567.4	1569.1	1568.9	1567.0	1565.1	1563.2	1561.3
177.5°	1572.1	1573.4	1573.3	1571.7	1570.2	1568.7	1567.2
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1

(END OF REPORT)