

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: P333394-830

Luminaire Tested: **S125DIW-S610D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333394-830
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-S610D1560U830-4F0-1E-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: 8262.1 lumens
Efficiency: N/A
Efficacy: 136.3 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

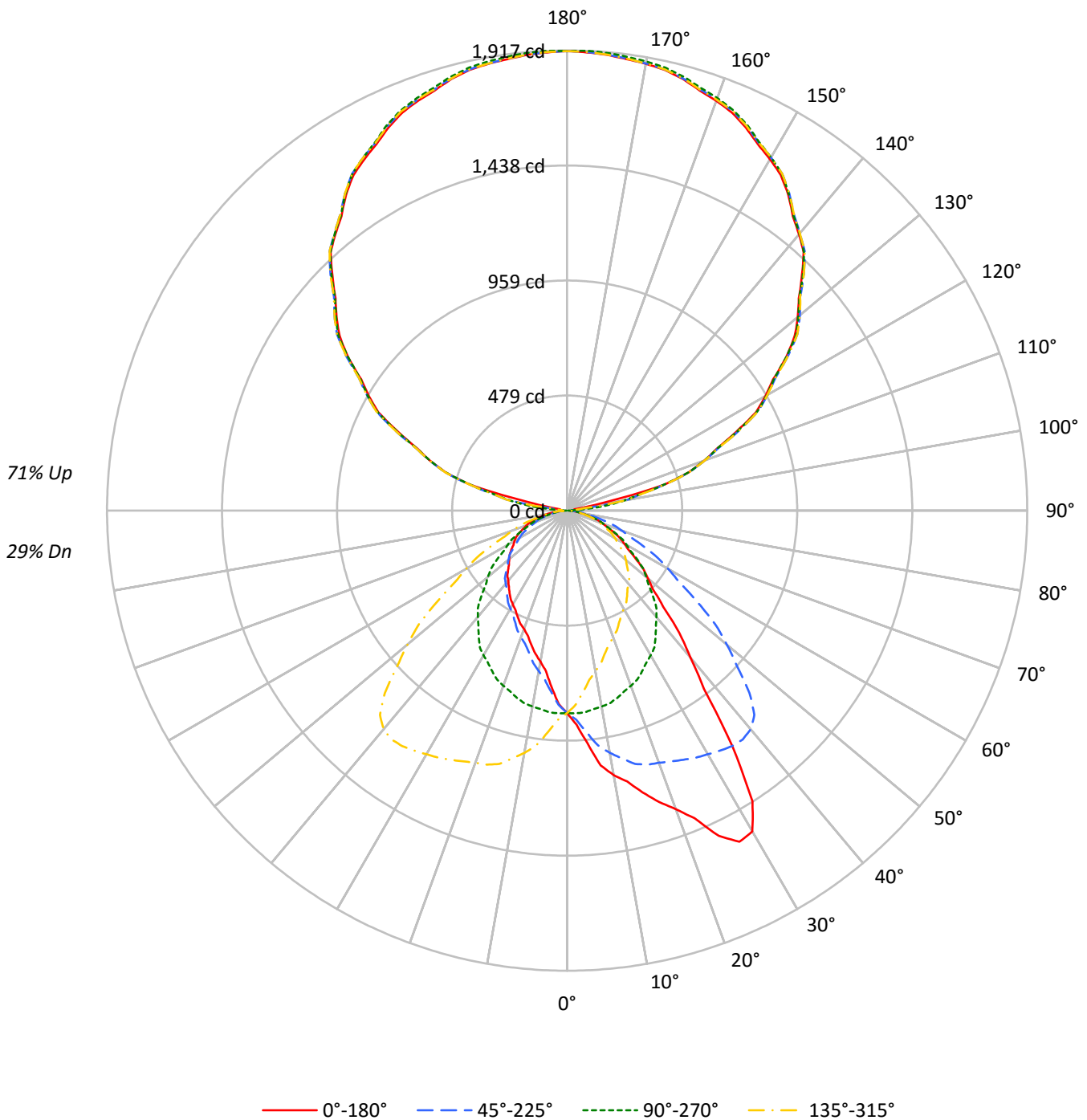
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	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	1.0
10°-20°	241.8	2.9
20°-30°	392.6	4.8
30°-40°	478.9	5.8
40°-50°	435.7	5.3
50°-60°	347.0	4.2
60°-70°	241.7	2.9
70°-80°	128.9	1.6
80°-90°	36.5	0.4
90°-100°	69.6	0.8
100°-110°	428.7	5.2
110°-120°	777.5	9.4
120°-130°	997.8	12.1
130°-140°	1073.2	13.0
140°-150°	1007.4	12.2
150°-160°	814.9	9.9
160°-170°	527.0	6.4
170°-180°	181.8	2.2
0°-30°	715.6	8.7
0°-40°	1194.5	14.5
0°-60°	1977.3	23.9
0°-90°	2384.4	28.9
90°-120°	1275.7	15.4
90°-150°	4354.1	52.7
90°-180°	5878.0	71.1
0°-180°	8262.1	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°	34	1	34	1	34	16
95°	30	81	30	81	30	25
105°	421	417	421	417	421	381
115°	778	783	778	783	778	772
125°	1114	1114	1114	1114	1114	991
135°	1383	1389	1383	1389	1383	1068
145°	1606	1610	1606	1610	1606	1003
155°	1761	1774	1761	1774	1761	812
165°	1862	1872	1862	1872	1862	525
175°	1906	1914	1906	1914	1906	181
180°	1914	1914	1914	1914	1914	



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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°	13.7	14.0	14.1	13.9	14.0	13.9	14.6	14.3	14.9	15.5	16.1
90°	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8	24.3	22.7	20.5
92.5°	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8	24.3	22.7	20.7
95°	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8	24.3	22.7	34.7
97.5°	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0	60.9	69.8	93.5
100°	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9	199.9	246.9	245.6
102.5°	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2	306.1	315.0	314.2
105°	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4	535.3	535.2	534.6
110°	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2	609.2	610.1	609.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3	681.6	682.8	682.4
115°	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2	790.4	791.7	791.5
117.5°	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3	895.9	897.6	896.4
120°	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1	962.8	963.4	962.4
122.5°	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8	1027.5	1028.1	1027.7
125°	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2	1122.5	1123.7	1123.7
127.5°	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5	1208.2	1208.9	1209.1
130°	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8	1264.7	1265.6	1265.3
132.5°	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4	1316.5	1316.7	1317.4
135°	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5	1394.1	1394.8	1395.3
137.5°	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4	1465.3	1465.1	1465.7
140°	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5	1508.9	1508.3	1508.5
142.5°	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7	1552.7	1552.6	1552.1
145°	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9	1613.5	1613.3	1613.3
147.5°	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2	1665.8	1665.5	1665.1
150°	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6	1699.0	1698.4	1697.7
152.5°	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2	1728.5	1727.9	1727.3
155°	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8	1768.9	1767.9	1767.3
157.5°	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4	1802.4	1801.4	1801.3
160°	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3	1823.1	1821.8	1821.5
162.5°	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5	1841.7	1839.9	1839.7
165°	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1	1866.2	1864.3	1864.1
167.5°	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8	1884.5	1882.3	1882.0
170°	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4	1893.9	1891.3	1891.0
172.5°	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8	1901.6	1899.3	1898.8
175°	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9	1909.5	1907.0	1906.7
177.5°	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3	1913.5	1911.8	1911.5
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



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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°	16.3	15.3	13.7	12.3	10.4	9.0	8.2	8.0	7.6	7.9	8.7
90°	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4	4.0	6.5	9.0
92.5°	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9	20.1	18.3	16.6
95°	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9	79.9	79.0	78.0
97.5°	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8	170.5	172.2	174.0
100°	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0	237.9	238.8	239.8
102.5°	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2	307.4	308.6	309.8
105°	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2	418.4	419.7	420.9
107.5°	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3	532.3	532.3	532.3
110°	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7	678.4	679.2	680.0
115°	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3	784.8	786.4	788.0
117.5°	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5	892.4	892.3	892.3
120°	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5	960.3	960.0	959.6
122.5°	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8	1021.9	1023.1	1024.4
125°	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8	1116.0	1118.2	1120.4
127.5°	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6	1204.2	1205.8	1207.4
130°	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1	1258.7	1260.3	1261.9
132.5°	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5	1313.4	1315.2	1317.1
135°	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0	1390.9	1392.9	1394.8
137.5°	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3	1461.9	1463.6	1465.2
140°	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8	1507.5	1508.1	1508.7
142.5°	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8	1549.2	1549.5	1549.9
145°	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4	1611.0	1611.7	1612.3
147.5°	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3	1664.2	1664.1	1664.0
150°	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1697.7	1697.1	1696.5
152.5°	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3	1729.9	1728.5	1727.1
155°	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6	1771.7	1769.8	1767.9
157.5°	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2	1805.1	1803.9	1802.8
160°	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9	1827.0	1825.1	1823.3
162.5°	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1	1845.2	1843.3	1841.4
165°	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5	1869.6	1867.6	1865.8
167.5°	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6	1887.7	1885.7	1883.8
170°	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9	1897.6	1895.5	1893.2
172.5°	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7	1904.5	1902.2	1900.1
175°	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0	1912.1	1910.3	1908.4
177.5°	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4	1915.9	1914.4	1912.9
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-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°	9.4	10.5	10.7	11.4	11.9	12.8	12.9	14.3	15.3	16.1	16.1
90°	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8	27.4	29.0	30.3
92.5°	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8	27.4	29.0	30.0
95°	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8	27.4	29.0	29.8
97.5°	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0	43.2	34.2	29.8
100°	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9	105.9	59.0	34.9
102.5°	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2	288.3	279.5	264.3
105°	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.6
107.5°	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4	535.4	535.5	535.0
110°	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2	607.3	606.3	606.1



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3	679.2	678.0	677.1
115°	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2	788.0	786.6	785.1
117.5°	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3	892.7	891.0	889.8
120°	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1	961.5	960.9	959.8
122.5°	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8	1026.2	1025.6	1024.4
125°	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2	1119.9	1118.7	1117.6
127.5°	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5	1206.8	1206.1	1204.6
130°	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8	1262.8	1261.9	1260.6
132.5°	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4	1316.2	1316.0	1315.0
135°	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5	1392.9	1392.2	1390.9
137.5°	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4	1465.5	1465.7	1464.9
140°	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5	1510.1	1510.8	1510.1
142.5°	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7	1552.9	1553.0	1552.2
145°	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9	1614.2	1614.5	1613.7
147.5°	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2	1666.6	1667.0	1666.0
150°	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6	1700.3	1700.9	1700.0
152.5°	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2	1729.8	1730.4	1729.6
155°	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8	1770.8	1771.7	1770.8
157.5°	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4	1804.4	1805.4	1804.7
160°	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3	1825.6	1826.8	1826.3
162.5°	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5	1845.3	1847.0	1846.5
165°	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1	1870.1	1872.0	1871.6
167.5°	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8	1889.0	1891.3	1891.0
170°	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4	1898.9	1901.4	1901.3
172.5°	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8	1906.1	1908.4	1908.1
175°	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9	1914.5	1917.0	1916.8
177.5°	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3	1917.0	1918.8	1918.7
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-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°	16.9	16.8	17.0	17.7	17.0	16.8	16.9	16.1	16.1	15.3	14.3
90°	31.2	32.1	33.1	34.0	33.1	32.1	31.2	30.3	29.0	27.4	25.8
92.5°	30.4	30.9	31.4	31.8	31.4	30.9	30.4	30.0	29.0	27.4	25.8
95°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.0	27.4	25.8
97.5°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	34.2	43.2	52.0
100°	33.6	32.3	31.1	29.8	31.1	32.3	33.6	34.9	59.0	105.9	152.9
102.5°	242.8	221.4	199.9	178.5	199.9	221.4	242.8	264.3	279.5	288.3	297.2
105°	422.4	422.1	421.7	421.4	421.7	422.1	422.4	422.6	422.8	422.8	422.8
107.5°	534.0	533.1	532.2	531.2	532.2	533.1	534.0	535.0	535.5	535.4	535.4
110°	606.3	606.6	607.0	607.3	607.0	606.6	606.3	606.1	606.3	607.3	608.2



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	676.7	676.3	675.8	675.3	675.8	676.3	676.7	677.1	678.0	679.2	680.3
115°	783.3	781.3	779.4	777.5	779.4	781.3	783.3	785.1	786.6	788.0	789.2
117.5°	889.0	888.2	887.3	886.5	887.3	888.2	889.0	889.8	891.0	892.7	894.3
120°	958.2	956.6	955.1	953.5	955.1	956.6	958.2	959.8	960.9	961.5	962.1
122.5°	1022.6	1020.7	1018.9	1017.0	1018.9	1020.7	1022.6	1024.4	1025.6	1026.2	1026.8
125°	1116.6	1115.7	1114.7	1113.8	1114.7	1115.7	1116.6	1117.6	1118.7	1119.9	1121.2
127.5°	1202.2	1200.0	1197.6	1195.2	1197.6	1200.0	1202.2	1204.6	1206.1	1206.8	1207.5
130°	1259.0	1257.4	1255.8	1254.2	1255.8	1257.4	1259.0	1260.6	1261.9	1262.8	1263.8
132.5°	1313.5	1311.9	1310.3	1308.7	1310.3	1311.9	1313.5	1315.0	1316.0	1316.2	1316.4
135°	1389.0	1387.1	1385.3	1383.4	1385.3	1387.1	1389.0	1390.9	1392.2	1392.9	1393.5
137.5°	1463.2	1461.6	1459.9	1458.3	1459.9	1461.6	1463.2	1464.9	1465.7	1465.5	1465.4
140°	1508.3	1506.4	1504.5	1502.6	1504.5	1506.4	1508.3	1510.1	1510.8	1510.1	1509.5
142.5°	1550.2	1548.3	1546.4	1544.5	1546.4	1548.3	1550.2	1552.2	1553.0	1552.9	1552.7
145°	1611.8	1610.0	1608.1	1606.2	1608.1	1610.0	1611.8	1613.7	1614.5	1614.2	1613.9
147.5°	1663.8	1661.5	1659.3	1657.0	1659.3	1661.5	1663.8	1666.0	1667.0	1666.6	1666.2
150°	1697.4	1694.9	1692.4	1689.9	1692.4	1694.9	1697.4	1700.0	1700.9	1700.3	1699.6
152.5°	1727.3	1725.0	1722.8	1720.5	1722.8	1725.0	1727.3	1729.6	1730.4	1729.8	1729.2
155°	1768.4	1765.9	1763.3	1760.8	1763.3	1765.9	1768.4	1770.8	1771.7	1770.8	1769.8
157.5°	1802.1	1799.6	1797.1	1794.6	1797.1	1799.6	1802.1	1804.7	1805.4	1804.4	1803.4
160°	1823.7	1821.2	1818.6	1816.2	1818.6	1821.2	1823.7	1826.3	1826.8	1825.6	1824.3
162.5°	1843.8	1841.0	1838.2	1835.4	1838.2	1841.0	1843.8	1846.5	1847.0	1845.3	1843.5
165°	1869.2	1866.6	1864.1	1861.5	1864.1	1866.6	1869.2	1871.6	1872.0	1870.1	1868.1
167.5°	1888.2	1885.4	1882.5	1879.7	1882.5	1885.4	1888.2	1891.0	1891.3	1889.0	1886.8
170°	1898.5	1895.6	1892.7	1889.9	1892.7	1895.6	1898.5	1901.3	1901.4	1898.9	1896.4
172.5°	1905.3	1902.4	1899.6	1896.8	1899.6	1902.4	1905.3	1908.1	1908.4	1906.1	1903.8
175°	1914.0	1911.2	1908.4	1905.5	1908.4	1911.2	1914.0	1916.8	1917.0	1914.5	1911.9
177.5°	1916.7	1914.7	1912.6	1910.6	1912.6	1914.7	1916.7	1918.7	1918.8	1917.0	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-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°	12.9	12.8	11.9	11.4	10.7	10.5	9.4	8.7	7.9	7.6	8.0
90°	24.3	22.7	20.5	18.3	16.1	13.9	11.5	9.0	6.5	4.0	1.4
92.5°	24.3	22.7	20.7	18.8	16.9	14.9	14.8	16.6	18.3	20.1	21.9
95°	24.3	22.7	34.7	46.7	58.6	70.6	77.1	78.0	79.0	79.9	80.9
97.5°	60.9	69.8	93.5	117.3	140.9	164.7	175.7	174.0	172.2	170.5	168.8
100°	199.9	246.9	245.6	244.4	243.1	241.9	240.7	239.8	238.8	237.9	237.0
102.5°	306.1	315.0	314.2	313.5	312.7	312.0	310.9	309.8	308.6	307.4	306.2
105°	422.8	422.8	422.8	422.8	422.8	422.8	422.2	420.9	419.7	418.4	417.2
107.5°	535.3	535.2	534.6	534.0	533.3	532.6	532.3	532.3	532.3	532.3	532.3
110°	609.2	610.1	609.4	608.9	608.2	607.6	607.3	607.3	607.3	607.3	607.3



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CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	681.6	682.8	682.4	682.0	681.6	681.3	680.7	680.0	679.2	678.4	677.7
115°	790.4	791.7	791.5	791.1	790.8	790.4	789.5	788.0	786.4	784.8	783.3
117.5°	895.9	897.6	896.4	895.1	894.0	892.8	892.2	892.3	892.3	892.4	892.5
120°	962.8	963.4	962.4	961.5	960.5	959.6	959.3	959.6	960.0	960.3	960.5
122.5°	1027.5	1028.1	1027.7	1027.2	1026.8	1026.3	1025.5	1024.4	1023.1	1021.9	1020.8
125°	1122.5	1123.7	1123.7	1123.7	1123.7	1123.7	1122.7	1120.4	1118.2	1116.0	1113.8
127.5°	1208.2	1208.9	1209.1	1209.3	1209.5	1209.7	1208.9	1207.4	1205.8	1204.2	1202.6
130°	1264.7	1265.6	1265.3	1265.0	1264.7	1264.3	1263.4	1261.9	1260.3	1258.7	1257.1
132.5°	1316.5	1316.7	1317.4	1318.1	1318.8	1319.5	1318.9	1317.1	1315.2	1313.4	1311.5
135°	1394.1	1394.8	1395.3	1396.0	1396.7	1397.2	1396.7	1394.8	1392.9	1390.9	1389.0
137.5°	1465.3	1465.1	1465.7	1466.2	1466.8	1467.4	1466.9	1465.2	1463.6	1461.9	1460.3
140°	1508.9	1508.3	1508.5	1508.9	1509.2	1509.5	1509.4	1508.7	1508.1	1507.5	1506.8
142.5°	1552.7	1552.6	1552.1	1551.6	1551.2	1550.8	1550.3	1549.9	1549.5	1549.2	1548.8
145°	1613.5	1613.3	1613.3	1613.3	1613.3	1613.3	1613.0	1612.3	1611.7	1611.0	1610.4
147.5°	1665.8	1665.5	1665.1	1664.7	1664.3	1664.0	1663.8	1664.0	1664.1	1664.2	1664.3
150°	1699.0	1698.4	1697.7	1697.1	1696.5	1695.8	1695.8	1695.8	1696.5	1697.1	1697.7
152.5°	1728.5	1727.9	1727.3	1726.6	1726.0	1725.3	1725.7	1727.1	1728.5	1729.9	1731.3
155°	1768.9	1767.9	1767.3	1766.6	1766.0	1765.4	1766.0	1767.9	1769.8	1771.7	1773.6
157.5°	1802.4	1801.4	1801.3	1801.3	1801.2	1801.1	1801.7	1802.8	1803.9	1805.1	1806.2
160°	1823.1	1821.8	1821.5	1821.2	1820.9	1820.5	1821.4	1823.3	1825.1	1827.0	1828.9
162.5°	1841.7	1839.9	1839.7	1839.4	1839.0	1838.7	1839.5	1841.4	1843.3	1845.2	1847.1
165°	1866.2	1864.3	1864.1	1863.8	1863.4	1863.1	1863.9	1865.8	1867.6	1869.6	1871.5
167.5°	1884.5	1882.3	1882.0	1881.6	1881.3	1881.0	1881.8	1883.8	1885.7	1887.7	1889.6
170°	1893.9	1891.3	1891.0	1890.7	1890.4	1890.1	1891.0	1893.2	1895.5	1897.6	1899.9
172.5°	1901.6	1899.3	1898.8	1898.2	1897.6	1897.1	1897.8	1900.1	1902.2	1904.5	1906.7
175°	1909.5	1907.0	1906.7	1906.3	1906.0	1905.7	1906.5	1908.4	1910.3	1912.1	1914.0
177.5°	1913.5	1911.8	1911.5	1911.3	1911.0	1910.7	1911.4	1912.9	1914.4	1915.9	1917.4
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



TEST NUMBER: P333394-830

CATALOG NUMBER: S125DIW-S610D1560U830-4F0-1E-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°	8.2	9.0	10.4	12.3	13.7	15.3	16.3	16.1	15.5	14.9	14.3
90°	4.0	6.5	9.0	11.5	13.9	16.1	18.3	20.5	22.7	24.3	25.8
92.5°	20.1	18.3	16.6	14.8	14.9	16.9	18.8	20.7	22.7	24.3	25.8
95°	79.9	79.0	78.0	77.1	70.6	58.6	46.7	34.7	22.7	24.3	25.8
97.5°	170.5	172.2	174.0	175.7	164.7	140.9	117.3	93.5	69.8	60.9	52.0
100°	237.9	238.8	239.8	240.7	241.9	243.1	244.4	245.6	246.9	199.9	152.9
102.5°	307.4	308.6	309.8	310.9	312.0	312.7	313.5	314.2	315.0	306.1	297.2
105°	418.4	419.7	420.9	422.2	422.8	422.8	422.8	422.8	422.8	422.8	422.8
107.5°	532.3	532.3	532.3	532.3	532.6	533.3	534.0	534.6	535.2	535.3	535.4
110°	607.3	607.3	607.3	607.3	607.6	608.2	608.9	609.4	610.1	609.2	608.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	678.4	679.2	680.0	680.7	681.3	681.6	682.0	682.4	682.8	681.6	680.3
115°	784.8	786.4	788.0	789.5	790.4	790.8	791.1	791.5	791.7	790.4	789.2
117.5°	892.4	892.3	892.3	892.2	892.8	894.0	895.1	896.4	897.6	895.9	894.3
120°	960.3	960.0	959.6	959.3	959.6	960.5	961.5	962.4	963.4	962.8	962.1
122.5°	1021.9	1023.1	1024.4	1025.5	1026.3	1026.8	1027.2	1027.7	1028.1	1027.5	1026.8
125°	1116.0	1118.2	1120.4	1122.7	1123.7	1123.7	1123.7	1123.7	1123.7	1122.5	1121.2
127.5°	1204.2	1205.8	1207.4	1208.9	1209.7	1209.5	1209.3	1209.1	1208.9	1208.2	1207.5
130°	1258.7	1260.3	1261.9	1263.4	1264.3	1264.7	1265.0	1265.3	1265.6	1264.7	1263.8
132.5°	1313.4	1315.2	1317.1	1318.9	1319.5	1318.8	1318.1	1317.4	1316.7	1316.5	1316.4
135°	1390.9	1392.9	1394.8	1396.7	1397.2	1396.7	1396.0	1395.3	1394.8	1394.1	1393.5
137.5°	1461.9	1463.6	1465.2	1466.9	1467.4	1466.8	1466.2	1465.7	1465.1	1465.3	1465.4
140°	1507.5	1508.1	1508.7	1509.4	1509.5	1509.2	1508.9	1508.5	1508.3	1508.9	1509.5
142.5°	1549.2	1549.5	1549.9	1550.3	1550.8	1551.2	1551.6	1552.1	1552.6	1552.7	1552.7
145°	1611.0	1611.7	1612.3	1613.0	1613.3	1613.3	1613.3	1613.3	1613.3	1613.5	1613.9
147.5°	1664.2	1664.1	1664.0	1663.8	1664.0	1664.3	1664.7	1665.1	1665.5	1665.8	1666.2
150°	1697.7	1697.1	1696.5	1695.8	1695.8	1696.5	1697.1	1697.7	1698.4	1699.0	1699.6
152.5°	1729.9	1728.5	1727.1	1725.7	1725.3	1726.0	1726.6	1727.3	1727.9	1728.5	1729.2
155°	1771.7	1769.8	1767.9	1766.0	1765.4	1766.0	1766.6	1767.3	1767.9	1768.9	1769.8
157.5°	1805.1	1803.9	1802.8	1801.7	1801.1	1801.2	1801.3	1801.3	1801.4	1802.4	1803.4
160°	1827.0	1825.1	1823.3	1821.4	1820.5	1820.9	1821.2	1821.5	1821.8	1823.1	1824.3
162.5°	1845.2	1843.3	1841.4	1839.5	1838.7	1839.0	1839.4	1839.7	1839.9	1841.7	1843.5
165°	1869.6	1867.6	1865.8	1863.9	1863.1	1863.4	1863.8	1864.1	1864.3	1866.2	1868.1
167.5°	1887.7	1885.7	1883.8	1881.8	1881.0	1881.3	1881.6	1882.0	1882.3	1884.5	1886.8
170°	1897.6	1895.5	1893.2	1891.0	1890.1	1890.4	1890.7	1891.0	1891.3	1893.9	1896.4
172.5°	1904.5	1902.2	1900.1	1897.8	1897.1	1897.6	1898.2	1898.8	1899.3	1901.6	1903.8
175°	1912.1	1910.3	1908.4	1906.5	1905.7	1906.0	1906.3	1906.7	1907.0	1909.5	1911.9
177.5°	1915.9	1914.4	1912.9	1911.4	1910.7	1911.0	1911.3	1911.5	1911.8	1913.5	1915.3
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0



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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°	14.6	13.9	14.0	13.9	14.1	14.0	13.7
90°	27.4	29.0	30.3	31.2	32.1	33.1	34.0
92.5°	27.4	29.0	30.0	30.4	30.9	31.4	31.8
95°	27.4	29.0	29.8	29.8	29.8	29.8	29.8
97.5°	43.2	34.2	29.8	29.8	29.8	29.8	29.8
100°	105.9	59.0	34.9	33.6	32.3	31.1	29.8
102.5°	288.3	279.5	264.3	242.8	221.4	199.9	178.5
105°	422.8	422.8	422.6	422.4	422.1	421.7	421.4
107.5°	535.4	535.5	535.0	534.0	533.1	532.2	531.2
110°	607.3	606.3	606.1	606.3	606.6	607.0	607.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	679.2	678.0	677.1	676.7	676.3	675.8	675.3
115°	788.0	786.6	785.1	783.3	781.3	779.4	777.5
117.5°	892.7	891.0	889.8	889.0	888.2	887.3	886.5
120°	961.5	960.9	959.8	958.2	956.6	955.1	953.5
122.5°	1026.2	1025.6	1024.4	1022.6	1020.7	1018.9	1017.0
125°	1119.9	1118.7	1117.6	1116.6	1115.7	1114.7	1113.8
127.5°	1206.8	1206.1	1204.6	1202.2	1200.0	1197.6	1195.2
130°	1262.8	1261.9	1260.6	1259.0	1257.4	1255.8	1254.2
132.5°	1316.2	1316.0	1315.0	1313.5	1311.9	1310.3	1308.7
135°	1392.9	1392.2	1390.9	1389.0	1387.1	1385.3	1383.4
137.5°	1465.5	1465.7	1464.9	1463.2	1461.6	1459.9	1458.3
140°	1510.1	1510.8	1510.1	1508.3	1506.4	1504.5	1502.6
142.5°	1552.9	1553.0	1552.2	1550.2	1548.3	1546.4	1544.5
145°	1614.2	1614.5	1613.7	1611.8	1610.0	1608.1	1606.2
147.5°	1666.6	1667.0	1666.0	1663.8	1661.5	1659.3	1657.0
150°	1700.3	1700.9	1700.0	1697.4	1694.9	1692.4	1689.9
152.5°	1729.8	1730.4	1729.6	1727.3	1725.0	1722.8	1720.5
155°	1770.8	1771.7	1770.8	1768.4	1765.9	1763.3	1760.8
157.5°	1804.4	1805.4	1804.7	1802.1	1799.6	1797.1	1794.6
160°	1825.6	1826.8	1826.3	1823.7	1821.2	1818.6	1816.2
162.5°	1845.3	1847.0	1846.5	1843.8	1841.0	1838.2	1835.4
165°	1870.1	1872.0	1871.6	1869.2	1866.6	1864.1	1861.5
167.5°	1889.0	1891.3	1891.0	1888.2	1885.4	1882.5	1879.7
170°	1898.9	1901.4	1901.3	1898.5	1895.6	1892.7	1889.9
172.5°	1906.1	1908.4	1908.1	1905.3	1902.4	1899.6	1896.8
175°	1914.5	1917.0	1916.8	1914.0	1911.2	1908.4	1905.5
177.5°	1917.0	1918.8	1918.7	1916.7	1914.7	1912.6	1910.6
180°	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0	1914.0

(END OF REPORT)