

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: P333051-830

Luminaire Tested: **S124RDIW-S575D1560U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333051-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S575D1560U830-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8184.8 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

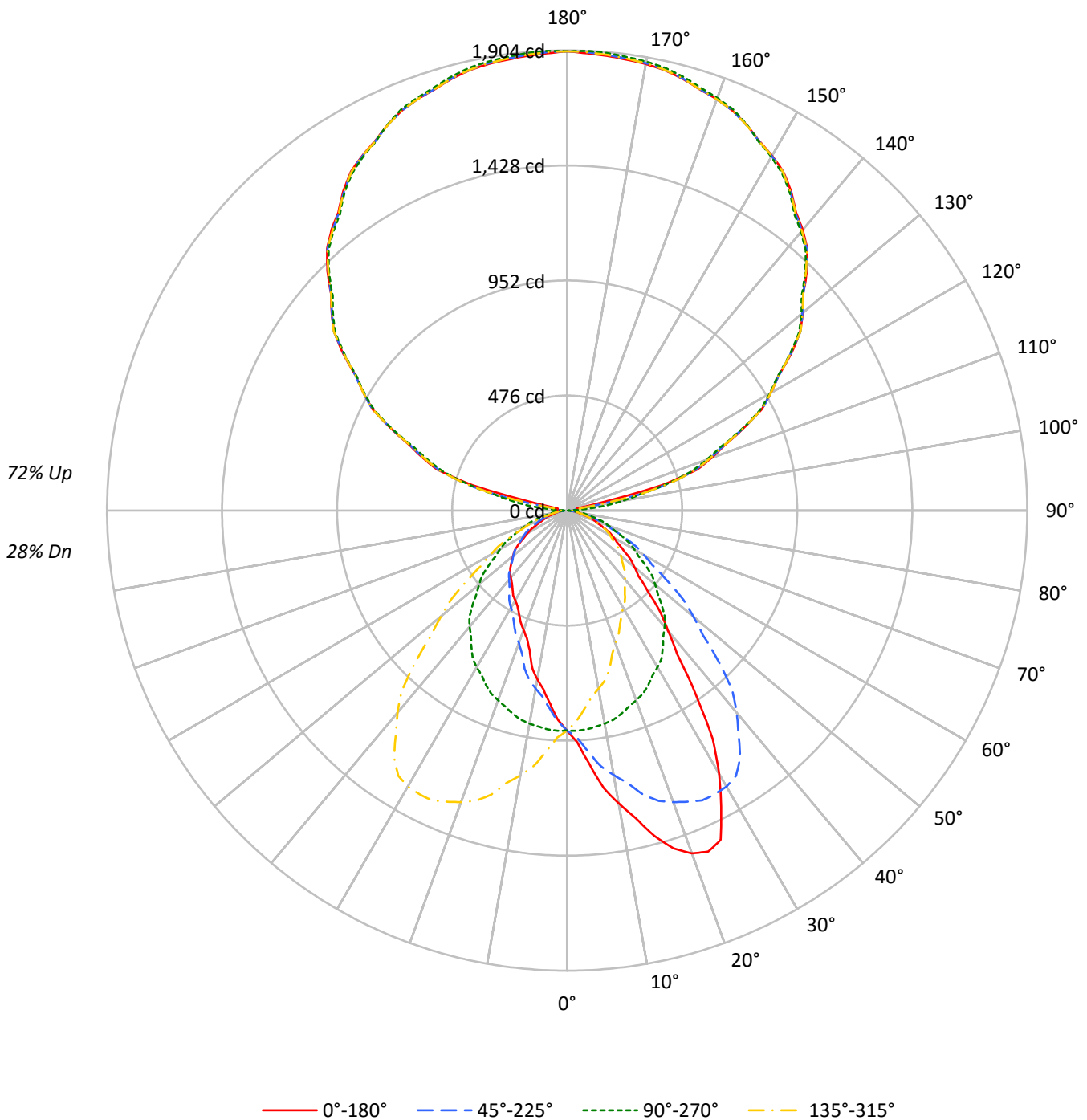
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7348	7348	7348	7348
5°	8524	7370	6515	7370
10°	10083	7338	5814	7338
15°	11646	7270	4996	7270
20°	12968	7177	4517	7177
25°	13387	7085	4195	7085
30°	11719	6974	3999	6974
35°	9122	6809	3882	6809
40°	6841	6620	3818	6620
45°	5401	6318	3785	6318
50°	4560	5968	3676	5968
55°	3975	5585	3478	5585
60°	3576	5186	3079	5186
65°	3152	4756	2648	4756
70°	2840	4312	2389	4312
75°	2380	3821	2037	3821
80°	2013	3254	1911	3254
85°	1704	2547	1704	2547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.1
10°-20°	266.0	3.3
20°-30°	416.1	5.1
30°-40°	462.6	5.7
40°-50°	410.4	5.0
50°-60°	319.8	3.9
60°-70°	209.4	2.6
70°-80°	103.0	1.3
80°-90°	30.9	0.4
90°-100°	65.0	0.8
100°-110°	414.4	5.1
110°-120°	792.8	9.7
120°-130°	1006.4	12.3
130°-140°	1076.8	13.2
140°-150°	1006.9	12.3
150°-160°	812.0	9.9
160°-170°	523.7	6.4
170°-180°	180.5	2.2
0°-30°	770.3	9.4
0°-40°	1232.9	15.1
0°-60°	1963.1	24.0
0°-90°	2306.3	28.2
90°-120°	1272.2	15.5
90°-150°	4362.3	53.3
90°-180°	5879.0	71.8
0°-180°	8184.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	1052	910	804	910	1052	106
15°	1394	870	598	870	1394	396
25°	1503	795	471	795	1503	667
35°	926	691	394	691	926	580
45°	473	553	332	553	473	375
55°	282	397	247	397	282	257
65°	165	249	139	249	165	166
75°	76	122	65	122	76	84
85°	18	28	18	28	18	22
90°	43	4	43	4	43	19
95°	41	78	41	78	41	33
105°	405	428	405	428	405	353
115°	805	799	805	799	805	796
125°	1131	1123	1131	1123	1131	1008
135°	1403	1393	1403	1393	1403	1080
145°	1615	1606	1615	1606	1615	1009
155°	1760	1761	1760	1761	1760	811
165°	1849	1858	1849	1858	1849	522
175°	1889	1900	1889	1900	1889	180
180°	1900	1900	1900	1900	1900	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	960.1	962.7	960.1	959.8	956.9	956.0	954.8	951.0	944.0	939.8	940.8
5°	1051.8	1060.9	1055.8	1055.1	1047.0	1039.0	1033.8	1022.1	1009.6	1001.2	994.2
7.5°	1157.8	1163.1	1159.9	1154.7	1141.7	1134.3	1122.4	1106.9	1084.6	1067.4	1051.9
10°	1230.0	1234.4	1232.9	1223.4	1213.9	1194.4	1183.5	1161.8	1133.5	1111.2	1090.2
12.5°	1301.0	1305.7	1292.8	1293.3	1275.2	1259.8	1242.4	1215.2	1182.5	1153.7	1127.6
15°	1393.5	1387.7	1387.7	1380.4	1360.2	1338.9	1321.0	1292.3	1251.2	1216.8	1180.5
17.5°	1466.0	1468.1	1465.1	1447.7	1431.9	1409.9	1377.0	1343.6	1305.4	1259.1	1222.1
20°	1509.5	1509.5	1506.2	1494.4	1473.9	1450.4	1414.9	1378.6	1330.1	1283.6	1241.7
22.5°	1527.0	1528.2	1524.4	1514.7	1496.2	1473.3	1443.0	1406.1	1356.2	1303.8	1252.0
25°	1502.9	1509.8	1510.5	1508.0	1502.5	1488.6	1462.5	1424.7	1380.0	1323.1	1267.4
27.5°	1379.8	1388.6	1396.3	1408.9	1425.8	1434.6	1435.8	1416.5	1377.5	1322.9	1266.8
30°	1257.2	1264.4	1288.3	1319.5	1343.7	1365.6	1384.8	1389.9	1367.9	1318.7	1259.7
32.5°	1121.0	1131.0	1154.8	1188.4	1228.7	1265.9	1308.8	1330.6	1330.0	1300.5	1245.9
35°	925.6	932.9	955.0	990.1	1038.6	1093.9	1161.8	1214.6	1250.6	1247.9	1214.6
37.5°	746.5	754.8	777.0	806.3	853.2	921.7	987.4	1060.2	1126.6	1163.9	1152.7
40°	649.1	649.5	671.1	701.2	745.2	804.9	876.5	957.2	1031.2	1091.7	1103.4
42.5°	572.2	572.3	586.6	619.1	650.7	707.0	775.2	855.4	942.1	1011.9	1043.0
45°	473.1	476.4	488.1	507.6	532.4	580.1	634.8	709.3	806.4	889.3	941.0
47.5°	400.6	405.5	412.9	428.8	448.7	480.4	525.6	592.5	671.6	762.7	836.3
50°	363.1	363.8	373.3	382.1	399.4	424.7	464.3	520.0	592.7	680.2	762.0
52.5°	330.8	330.6	336.4	347.5	361.6	381.3	413.2	464.0	528.4	606.9	691.4
55°	282.4	284.2	288.6	297.4	308.0	322.0	347.3	385.4	436.0	503.1	579.8
57.5°	245.5	246.5	250.0	253.7	263.4	273.6	292.6	319.1	361.7	416.7	488.1
60°	221.5	221.9	223.0	228.5	236.2	245.7	258.5	280.9	316.9	367.1	423.6
62.5°	198.0	198.7	200.4	204.4	210.4	217.0	230.4	248.4	278.1	321.0	371.9
65°	165.0	165.4	168.0	169.5	174.2	180.0	189.9	202.1	222.6	258.5	297.1
67.5°	137.9	137.9	138.0	140.1	143.4	147.2	153.2	162.9	178.3	200.4	234.3
70°	120.3	120.3	121.0	122.2	123.9	127.2	130.5	137.9	149.3	167.2	193.2
72.5°	103.9	104.2	104.9	105.1	106.0	108.8	111.2	115.8	124.3	137.9	158.9
75°	76.3	77.4	79.2	80.7	82.5	82.2	84.7	87.7	90.2	98.3	110.4
77.5°	56.7	56.2	56.4	57.7	57.9	58.2	60.0	62.3	64.3	68.1	72.4
80°	43.3	43.3	44.4	44.8	44.4	44.8	46.6	47.7	48.4	49.9	53.9
82.5°	32.7	33.3	32.9	33.3	33.6	33.9	35.4	35.6	36.4	36.9	38.6
85°	18.4	18.7	19.0	18.4	18.4	18.4	19.0	19.4	20.2	19.8	20.5
87.5°	15.0	14.6	14.7	14.6	14.8	14.2	14.1	14.3	13.4	13.3	12.8
90°	42.6	42.0	41.4	40.7	40.2	38.8	36.9	35.1	33.2	31.3	28.7
92.5°	39.2	39.1	39.0	38.8	38.7	37.7	35.8	33.9	32.0	30.2	27.6
95°	41.2	40.9	40.6	40.2	40.0	38.8	36.9	35.1	33.2	31.3	30.9
97.5°	39.8	39.5	39.2	38.8	38.5	38.3	38.1	37.9	37.7	37.5	72.8
100°	39.8	39.5	39.2	38.8	38.5	41.1	46.5	51.8	57.2	62.6	106.1
102.5°	40.9	40.9	40.8	40.7	40.7	69.7	127.5	185.5	243.4	301.3	307.0
105°	405.1	416.5	427.8	439.2	450.5	454.9	452.0	449.1	446.3	443.5	441.9
107.5°	564.6	563.4	562.1	561.0	559.8	558.5	557.1	555.7	554.3	552.9	550.7
110°	634.0	633.0	632.1	631.1	630.2	629.3	628.8	628.1	627.5	626.8	624.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	703.3	702.1	700.9	699.7	698.5	698.0	698.0	698.2	698.3	698.5	697.6
115°	804.6	804.6	804.6	804.6	804.6	804.2	803.5	803.0	802.3	801.6	802.0
117.5°	907.4	907.6	907.7	907.8	908.0	908.0	908.1	908.3	908.4	908.5	907.9
120°	972.2	972.9	973.5	974.1	974.8	974.8	974.1	973.5	972.9	972.2	972.5
122.5°	1035.9	1036.5	1037.2	1037.8	1038.4	1038.6	1038.2	1037.8	1037.5	1037.1	1036.6
125°	1131.4	1131.1	1130.8	1130.5	1130.2	1129.5	1128.6	1127.7	1126.7	1125.8	1126.3
127.5°	1215.3	1215.5	1215.8	1216.1	1216.3	1216.5	1216.7	1216.9	1217.1	1217.3	1215.8
130°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.0	1271.7	1271.4	1271.0	1270.7	1269.8
132.5°	1324.5	1324.7	1324.9	1325.2	1325.5	1325.4	1325.1	1324.8	1324.5	1324.2	1323.0
135°	1402.9	1402.3	1401.7	1401.0	1400.4	1399.8	1399.1	1398.5	1397.9	1397.2	1396.0
137.5°	1470.0	1470.2	1470.4	1470.6	1470.7	1470.6	1469.8	1469.1	1468.4	1467.7	1466.3
140°	1516.6	1516.3	1516.0	1515.7	1515.3	1514.8	1513.8	1512.9	1511.9	1510.9	1510.3
142.5°	1555.3	1555.2	1555.2	1555.1	1555.0	1554.6	1554.0	1553.3	1552.6	1551.9	1551.5
145°	1614.7	1614.1	1613.4	1612.8	1612.2	1611.7	1611.4	1611.1	1610.7	1610.4	1610.4
147.5°	1663.9	1663.6	1663.2	1662.9	1662.6	1662.4	1662.1	1661.8	1661.6	1661.3	1661.6
150°	1695.7	1695.4	1695.1	1694.8	1694.5	1694.3	1694.3	1694.3	1694.3	1694.3	1694.6
152.5°	1723.0	1723.2	1723.3	1723.5	1723.7	1723.6	1723.1	1722.6	1722.1	1721.6	1722.1
155°	1759.7	1760.7	1761.6	1762.6	1763.5	1763.3	1762.1	1760.8	1759.5	1758.2	1759.3
157.5°	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0	1795.4	1793.7	1792.1	1790.4	1791.5
160°	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4	1816.6	1814.7	1812.8	1810.8	1811.2
162.5°	1826.7	1828.9	1831.1	1833.2	1835.3	1835.5	1833.6	1831.7	1829.8	1827.9	1828.2
165°	1849.3	1852.1	1854.9	1857.8	1860.6	1860.8	1858.2	1855.7	1853.1	1850.7	1850.7
167.5°	1866.0	1869.2	1872.4	1875.5	1878.7	1878.9	1876.0	1873.3	1870.5	1867.7	1867.9
170°	1876.2	1879.4	1882.5	1885.7	1888.9	1889.2	1886.7	1884.1	1881.6	1879.1	1878.8
172.5°	1881.9	1885.4	1888.8	1892.2	1895.5	1896.0	1893.5	1890.9	1888.4	1885.9	1885.6
175°	1889.0	1892.8	1896.6	1900.4	1904.2	1904.7	1901.9	1898.9	1896.1	1893.3	1893.0
177.5°	1893.6	1896.6	1899.6	1902.7	1905.7	1906.2	1904.2	1902.1	1900.2	1898.1	1897.6
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	937.8	933.7	931.6	926.9	921.3	918.4	915.8	912.0	907.0	901.7	897.9
5°	985.4	976.6	965.5	952.3	940.7	929.3	919.4	909.5	898.1	886.4	874.7
7.5°	1034.3	1016.9	998.2	976.6	955.5	936.4	918.8	901.9	882.9	865.7	850.2
10°	1068.3	1044.8	1018.8	991.3	963.7	939.9	916.4	895.1	871.7	850.8	833.2
12.5°	1095.9	1068.3	1037.0	1002.7	969.6	940.8	913.8	886.1	859.4	836.7	813.2
15°	1141.6	1103.8	1061.7	1020.6	977.7	938.5	902.1	869.9	839.4	807.6	785.1
17.5°	1173.1	1128.2	1077.0	1027.7	976.9	930.7	888.8	850.4	815.2	782.7	756.0
20°	1191.8	1142.4	1085.5	1029.4	972.5	923.0	878.0	835.4	799.1	763.9	736.4
22.5°	1202.4	1147.6	1085.5	1026.7	967.9	914.3	864.8	820.5	780.9	745.7	715.3
25°	1205.8	1147.1	1083.6	1016.2	951.7	894.8	843.5	795.4	751.4	716.2	683.9
27.5°	1201.1	1132.0	1067.1	997.8	931.2	871.3	817.4	766.9	722.8	685.0	652.0
30°	1194.0	1120.0	1050.3	978.5	911.0	853.4	796.5	748.1	702.3	663.1	629.7
32.5°	1178.8	1105.3	1030.4	956.7	888.3	829.1	775.1	726.4	681.5	641.3	605.9
35°	1148.6	1074.1	992.7	917.2	850.1	788.4	737.8	690.9	648.0	605.1	567.7
37.5°	1108.7	1032.7	951.7	869.0	801.8	743.7	697.2	653.2	611.2	572.1	530.7
40°	1071.2	1001.9	918.3	836.1	767.2	711.1	668.2	628.2	586.1	547.1	505.7
42.5°	1025.8	966.7	882.2	799.7	731.7	677.6	637.6	598.6	560.2	522.5	479.3
45°	949.8	905.1	825.9	746.7	678.1	624.5	587.9	553.4	519.6	483.7	443.0
47.5°	862.8	832.5	764.2	683.1	619.6	571.5	536.0	507.8	479.3	443.4	407.6
50°	802.4	783.0	717.0	642.9	582.4	538.0	501.7	475.2	451.5	417.0	385.0
52.5°	737.8	727.5	671.8	600.9	542.4	499.0	468.0	444.2	420.1	391.4	361.6
55°	639.6	645.1	597.8	536.5	481.5	444.9	416.6	396.8	376.3	352.0	328.9
57.5°	539.0	559.2	527.4	473.6	422.1	388.2	366.9	350.2	333.1	312.9	293.2
60°	478.9	495.8	477.9	430.6	385.4	353.9	334.1	321.2	304.0	285.7	270.6
62.5°	420.3	438.3	427.6	389.5	347.6	320.5	303.0	291.1	278.2	262.2	246.6
65°	346.6	358.3	353.2	326.8	297.1	273.9	257.8	249.0	237.2	225.6	211.6
67.5°	265.4	288.1	285.1	271.1	245.4	227.3	216.8	209.1	198.3	189.6	180.1
70°	218.2	239.1	238.7	227.3	213.4	196.5	189.3	182.7	173.1	164.7	156.9
72.5°	178.6	197.7	200.6	191.9	182.4	169.6	162.5	158.0	148.7	143.0	136.7
75°	125.1	139.0	142.7	142.7	138.3	131.7	125.5	122.5	115.8	110.7	107.1
77.5°	82.0	90.8	96.5	97.8	98.5	96.3	91.1	89.1	84.1	82.2	78.7
80°	58.0	63.8	70.4	72.6	74.5	73.7	71.5	70.0	65.3	63.4	62.0
82.5°	40.1	43.3	48.7	53.5	53.1	55.0	53.1	51.8	48.3	47.6	46.1
85°	20.9	21.3	22.0	25.3	27.1	27.9	28.3	27.5	26.4	26.4	23.8
87.5°	12.3	11.5	11.6	10.9	10.6	11.0	11.2	10.8	10.7	10.5	10.3
90°	26.2	23.7	21.2	18.2	14.7	11.2	7.7	4.2	7.7	11.2	14.7
92.5°	25.1	22.5	20.0	18.7	18.5	18.3	18.1	17.9	18.1	18.3	18.5
95°	30.6	30.3	30.0	35.3	46.0	56.7	67.4	78.1	67.4	56.7	46.0
97.5°	108.0	143.3	178.5	192.8	186.2	179.4	172.7	166.0	172.7	179.4	186.2
100°	149.7	193.3	236.9	255.8	250.2	244.5	238.8	233.1	238.8	244.5	250.2
102.5°	312.7	318.4	324.0	324.8	320.7	316.5	312.4	308.1	312.4	316.5	320.7
105°	440.4	438.8	437.2	435.5	433.6	431.6	429.7	427.8	429.7	431.6	433.6
107.5°	548.7	546.5	544.3	542.8	541.9	540.9	540.0	538.9	540.0	540.9	541.9
110°	623.0	621.1	619.3	617.8	616.9	616.0	615.0	614.1	615.0	616.0	616.9



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	696.7	695.8	694.9	693.6	691.9	690.2	688.5	686.8	688.5	690.2	691.9
115°	802.3	802.6	803.0	802.6	801.6	800.7	799.7	798.8	799.7	800.7	801.6
117.5°	907.2	906.4	905.8	904.8	903.5	902.3	901.0	899.8	901.0	902.3	903.5
120°	972.9	973.2	973.5	973.0	971.8	970.5	969.2	968.0	969.2	970.5	971.8
122.5°	1036.1	1035.8	1035.3	1034.7	1033.9	1033.1	1032.4	1031.6	1032.4	1033.1	1033.9
125°	1127.0	1127.7	1128.2	1127.9	1126.7	1125.4	1124.2	1122.9	1124.2	1125.4	1126.7
127.5°	1214.4	1213.0	1211.4	1210.6	1210.2	1209.9	1209.7	1209.3	1209.7	1209.9	1210.2
130°	1268.9	1267.9	1267.0	1266.3	1266.0	1265.6	1265.4	1265.1	1265.4	1265.6	1266.0
132.5°	1321.7	1320.6	1319.4	1318.5	1318.0	1317.4	1316.7	1316.2	1316.7	1317.4	1318.0
135°	1394.7	1393.5	1392.1	1391.7	1392.0	1392.3	1392.6	1393.0	1392.6	1392.3	1392.0
137.5°	1465.0	1463.6	1462.2	1461.4	1461.3	1461.1	1461.0	1460.9	1461.0	1461.1	1461.3
140°	1509.7	1509.0	1508.4	1507.8	1507.1	1506.6	1505.9	1505.2	1505.9	1506.6	1507.1
142.5°	1551.1	1550.8	1550.4	1549.6	1548.5	1547.4	1546.1	1545.0	1546.1	1547.4	1548.5
145°	1610.4	1610.4	1610.4	1610.0	1609.0	1608.1	1607.1	1606.2	1607.1	1608.1	1609.0
147.5°	1662.0	1662.3	1662.6	1661.9	1660.1	1658.3	1656.5	1654.8	1656.5	1658.3	1660.1
150°	1695.0	1695.3	1695.5	1695.1	1693.8	1692.5	1691.3	1690.1	1691.3	1692.5	1693.8
152.5°	1722.7	1723.3	1723.9	1723.6	1722.6	1721.6	1720.6	1719.6	1720.6	1721.6	1722.6
155°	1760.2	1761.1	1762.1	1762.4	1762.1	1761.7	1761.4	1761.1	1761.4	1761.7	1762.1
157.5°	1792.5	1793.6	1794.7	1795.4	1795.5	1795.7	1795.9	1796.1	1795.9	1795.7	1795.5
160°	1811.5	1811.8	1812.1	1812.8	1813.7	1814.7	1815.6	1816.6	1815.6	1814.7	1813.7
162.5°	1828.5	1828.8	1829.2	1829.9	1831.2	1832.3	1833.5	1834.8	1833.5	1832.3	1831.2
165°	1850.7	1850.7	1850.7	1851.4	1853.0	1854.6	1856.1	1857.8	1856.1	1854.6	1853.0
167.5°	1868.1	1868.3	1868.5	1869.3	1871.0	1872.6	1874.3	1875.9	1874.3	1872.6	1871.0
170°	1878.5	1878.1	1877.8	1878.6	1880.5	1882.4	1884.3	1886.2	1884.3	1882.4	1880.5
172.5°	1885.3	1885.0	1884.6	1885.5	1887.3	1889.2	1891.1	1893.0	1891.1	1889.2	1887.3
175°	1892.6	1892.3	1892.1	1892.8	1894.7	1896.6	1898.5	1900.4	1898.5	1896.6	1894.7
177.5°	1897.1	1896.6	1896.1	1896.8	1898.5	1900.3	1902.1	1903.8	1902.1	1900.3	1898.5
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	893.8	890.9	887.0	882.6	877.3	872.7	870.6	872.3	873.3	870.9	870.6
5°	866.6	857.4	850.1	839.1	830.3	822.9	817.7	815.6	816.3	810.5	809.0
7.5°	835.9	825.1	813.1	800.0	787.9	777.1	771.5	768.4	762.1	759.5	755.0
10°	816.3	801.6	789.9	774.5	760.6	747.7	741.5	736.4	730.2	727.2	721.0
12.5°	796.1	779.1	766.2	750.2	735.9	720.5	714.5	705.0	695.2	689.1	681.1
15°	767.5	747.1	731.2	712.2	695.3	677.7	661.9	644.3	637.7	623.8	615.8
17.5°	734.1	713.3	693.8	668.3	642.2	620.4	603.5	586.7	576.6	567.7	563.5
20°	712.2	693.1	666.0	636.3	607.3	583.1	569.5	558.6	547.5	541.3	536.9
22.5°	691.4	667.0	635.5	603.4	574.5	555.5	544.0	532.7	523.8	517.8	512.0
25°	656.5	624.5	591.2	554.5	534.7	518.2	505.7	496.5	491.1	483.3	480.4
27.5°	620.6	581.9	545.1	520.5	499.8	484.7	473.9	467.0	460.1	455.1	451.3
30°	593.0	553.7	520.8	497.3	476.4	463.9	455.1	447.0	441.6	437.5	434.6
32.5°	565.7	526.5	498.7	473.5	457.0	444.9	435.5	429.4	425.1	419.9	418.1
35°	526.2	491.4	467.2	444.5	427.6	416.6	409.3	403.0	399.4	397.9	396.8
37.5°	488.3	459.8	433.8	415.1	400.1	391.4	382.8	379.8	377.2	374.6	375.8
40°	464.3	437.5	414.4	394.6	382.5	373.0	367.8	364.2	361.9	361.9	361.9
42.5°	443.5	417.3	394.7	377.0	364.9	356.8	351.1	348.0	347.3	346.9	348.7
45°	411.1	386.9	364.2	349.5	339.2	331.1	327.8	325.3	325.3	326.8	327.2
47.5°	379.1	356.4	338.1	321.7	312.3	307.3	304.3	303.0	303.2	304.6	306.3
50°	359.4	337.1	319.1	304.3	295.6	290.8	288.2	287.5	288.2	288.2	290.8
52.5°	338.0	317.9	300.3	287.9	278.0	273.5	272.1	271.1	271.5	272.7	273.8
55°	306.6	288.6	271.7	260.0	252.7	249.8	246.5	246.9	246.1	246.9	246.9
57.5°	275.1	259.0	243.3	233.9	227.5	223.3	219.7	220.6	219.6	219.4	218.9
60°	254.9	237.2	224.8	216.4	209.1	205.4	202.1	202.8	201.7	201.0	199.5
62.5°	232.9	218.2	206.3	198.2	192.3	188.0	184.7	184.0	181.4	179.0	175.7
65°	201.0	188.9	178.2	170.5	165.0	161.7	159.2	156.9	151.5	145.6	142.7
67.5°	169.9	161.2	151.3	144.8	140.3	136.0	131.1	127.3	122.2	118.9	117.2
70°	150.0	141.6	133.1	126.9	122.2	118.1	112.5	110.0	106.3	104.9	103.0
72.5°	130.9	123.1	115.2	109.6	104.5	101.3	97.1	94.4	92.8	92.3	90.4
75°	102.0	95.8	89.8	84.7	80.7	78.5	76.6	74.8	74.1	70.8	68.9
77.5°	74.4	70.2	66.6	63.0	60.0	58.6	55.0	53.0	51.7	50.1	49.8
80°	58.0	55.0	51.4	49.1	45.1	43.6	42.1	41.8	41.5	41.1	40.7
82.5°	43.5	40.6	36.9	35.6	34.6	33.6	32.8	32.4	32.0	32.2	32.2
85°	22.0	20.5	20.5	20.2	19.8	19.4	19.0	19.0	18.7	19.0	18.7
87.5°	10.9	11.3	11.8	11.7	12.5	13.0	13.1	13.5	14.1	13.9	14.1
90°	18.2	21.2	23.7	26.2	28.7	31.3	33.2	35.1	36.9	38.8	40.2
92.5°	18.7	20.0	22.5	25.1	27.6	30.2	32.0	33.9	35.8	37.7	38.7
95°	35.3	30.0	30.3	30.6	30.9	31.3	33.2	35.1	36.9	38.8	40.0
97.5°	192.8	178.5	143.3	108.0	72.8	37.5	37.7	37.9	38.1	38.3	38.5
100°	255.8	236.9	193.3	149.7	106.1	62.6	57.2	51.8	46.5	41.1	38.5
102.5°	324.8	324.0	318.4	312.7	307.0	301.3	243.4	185.5	127.5	69.7	40.7
105°	435.5	437.2	438.8	440.4	441.9	443.5	446.3	449.1	452.0	454.9	450.5
107.5°	542.8	544.3	546.5	548.7	550.7	552.9	554.3	555.7	557.1	558.5	559.8
110°	617.8	619.3	621.1	623.0	624.9	626.8	627.5	628.1	628.8	629.3	630.2



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	693.6	694.9	695.8	696.7	697.6	698.5	698.3	698.2	698.0	698.0	698.5
115°	802.6	803.0	802.6	802.3	802.0	801.6	802.3	803.0	803.5	804.2	804.6
117.5°	904.8	905.8	906.4	907.2	907.9	908.5	908.4	908.3	908.1	908.0	908.0
120°	973.0	973.5	973.2	972.9	972.5	972.2	972.9	973.5	974.1	974.8	974.8
122.5°	1034.7	1035.3	1035.8	1036.1	1036.6	1037.1	1037.5	1037.8	1038.2	1038.6	1038.4
125°	1127.9	1128.2	1127.7	1127.0	1126.3	1125.8	1126.7	1127.7	1128.6	1129.5	1130.2
127.5°	1210.6	1211.4	1213.0	1214.4	1215.8	1217.3	1217.1	1216.9	1216.7	1216.5	1216.3
130°	1266.3	1267.0	1267.9	1268.9	1269.8	1270.7	1271.0	1271.4	1271.7	1272.0	1272.1
132.5°	1318.5	1319.4	1320.6	1321.7	1323.0	1324.2	1324.5	1324.8	1325.1	1325.4	1325.5
135°	1391.7	1392.1	1393.5	1394.7	1396.0	1397.2	1397.9	1398.5	1399.1	1399.8	1400.4
137.5°	1461.4	1462.2	1463.6	1465.0	1466.3	1467.7	1468.4	1469.1	1469.8	1470.6	1470.7
140°	1507.8	1508.4	1509.0	1509.7	1510.3	1510.9	1511.9	1512.9	1513.8	1514.8	1515.3
142.5°	1549.6	1550.4	1550.8	1551.1	1551.5	1551.9	1552.6	1553.3	1554.0	1554.6	1555.0
145°	1610.0	1610.4	1610.4	1610.4	1610.4	1610.4	1610.7	1611.1	1611.4	1611.7	1612.2
147.5°	1661.9	1662.6	1662.3	1662.0	1661.6	1661.3	1661.6	1661.8	1662.1	1662.4	1662.6
150°	1695.1	1695.5	1695.3	1695.0	1694.6	1694.3	1694.3	1694.3	1694.3	1694.3	1694.5
152.5°	1723.6	1723.9	1723.3	1722.7	1722.1	1721.6	1722.1	1722.6	1723.1	1723.6	1723.7
155°	1762.4	1762.1	1761.1	1760.2	1759.3	1758.2	1759.5	1760.8	1762.1	1763.3	1763.5
157.5°	1795.4	1794.7	1793.6	1792.5	1791.5	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0
160°	1812.8	1812.1	1811.8	1811.5	1811.2	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4
162.5°	1829.9	1829.2	1828.8	1828.5	1828.2	1827.9	1829.8	1831.7	1833.6	1835.5	1835.3
165°	1851.4	1850.7	1850.7	1850.7	1850.7	1850.7	1853.1	1855.7	1858.2	1860.8	1860.6
167.5°	1869.3	1868.5	1868.3	1868.1	1867.9	1867.7	1870.5	1873.3	1876.0	1878.9	1878.7
170°	1878.6	1877.8	1878.1	1878.5	1878.8	1879.1	1881.6	1884.1	1886.7	1889.2	1888.9
172.5°	1885.5	1884.6	1885.0	1885.3	1885.6	1885.9	1888.4	1890.9	1893.5	1896.0	1895.5
175°	1892.8	1892.1	1892.3	1892.6	1893.0	1893.3	1896.1	1898.9	1901.9	1904.7	1904.2
177.5°	1896.8	1896.1	1896.6	1897.1	1897.6	1898.1	1900.2	1902.1	1904.2	1906.2	1905.7
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	868.8	869.4	867.4	866.8	867.4	869.4	868.8	870.6	870.9	873.3	872.3
5°	806.1	805.3	803.5	803.9	803.5	805.3	806.1	809.0	810.5	816.3	815.6
7.5°	752.3	749.5	750.4	747.3	750.4	749.5	752.3	755.0	759.5	762.1	768.4
10°	719.5	715.5	712.2	709.3	712.2	715.5	719.5	721.0	727.2	730.2	736.4
12.5°	674.7	671.2	666.7	667.6	666.7	671.2	674.7	681.1	689.1	695.2	705.0
15°	611.0	605.5	596.6	597.8	596.6	605.5	611.0	615.8	623.8	637.7	644.3
17.5°	557.0	557.1	553.1	554.0	553.1	557.1	557.0	563.5	567.7	576.6	586.7
20°	529.1	526.6	527.0	525.8	527.0	526.6	529.1	536.9	541.3	547.5	558.6
22.5°	509.8	506.7	504.1	501.8	504.1	506.7	509.8	512.0	517.8	523.8	532.7
25°	477.1	474.9	471.6	470.9	471.6	474.9	477.1	480.4	483.3	491.1	496.5
27.5°	448.4	447.9	446.6	444.9	446.6	447.9	448.4	451.3	455.1	460.1	467.0
30°	431.6	430.9	430.2	429.0	430.2	430.9	431.6	434.6	437.5	441.6	447.0
32.5°	416.7	416.2	415.5	415.6	415.5	416.2	416.7	418.1	419.9	425.1	429.4
35°	395.3	394.9	394.3	393.9	394.3	394.9	395.3	396.8	397.9	399.4	403.0
37.5°	375.4	376.4	375.9	375.8	375.9	376.4	375.4	375.8	374.6	377.2	379.8
40°	361.6	361.9	362.7	362.3	362.7	361.9	361.6	361.9	361.9	361.9	364.2
42.5°	350.2	350.2	351.3	350.0	351.3	350.2	350.2	348.7	346.9	347.3	348.0
45°	329.7	331.9	331.5	331.5	331.5	331.9	329.7	327.2	326.8	325.3	325.3
47.5°	307.3	309.2	309.7	309.6	309.7	309.2	307.3	306.3	304.6	303.2	303.0
50°	292.7	291.9	293.0	292.7	293.0	291.9	292.7	290.8	288.2	288.2	287.5
52.5°	274.8	274.9	274.8	274.5	274.8	274.9	274.8	273.8	272.7	271.5	271.1
55°	247.1	247.5	246.9	247.1	246.9	247.5	247.1	246.9	246.9	246.1	246.9
57.5°	217.3	215.5	216.2	215.4	216.2	215.5	217.3	218.9	219.4	219.6	220.6
60°	195.9	192.9	192.2	190.7	192.2	192.9	195.9	199.5	201.0	201.7	202.8
62.5°	171.7	169.8	167.2	168.4	167.2	169.8	171.7	175.7	179.0	181.4	184.0
65°	139.7	138.3	137.1	138.6	137.1	138.3	139.7	142.7	145.6	151.5	156.9
67.5°	115.6	114.9	114.9	114.1	114.9	114.9	115.6	117.2	118.9	122.2	127.3
70°	103.0	102.0	102.0	101.2	102.0	102.0	103.0	103.0	104.9	106.3	110.0
72.5°	90.1	89.1	89.4	88.9	89.4	89.1	90.1	90.4	92.3	92.8	94.4
75°	66.7	64.9	64.9	65.3	64.9	64.9	66.7	68.9	70.8	74.1	74.8
77.5°	49.8	49.4	50.0	49.3	50.0	49.4	49.8	49.8	50.1	51.7	53.0
80°	40.7	40.3	40.0	41.1	40.0	40.3	40.7	40.7	41.1	41.5	41.8
82.5°	31.6	31.6	31.5	32.9	31.5	31.6	31.6	32.2	32.2	32.0	32.4
85°	19.0	18.4	19.0	18.4	19.0	18.4	19.0	18.7	19.0	18.7	19.0
87.5°	14.9	14.7	14.6	15.0	14.6	14.7	14.9	14.1	13.9	14.1	13.5
90°	40.7	41.4	42.0	42.6	42.0	41.4	40.7	40.2	38.8	36.9	35.1
92.5°	38.8	39.0	39.1	39.2	39.1	39.0	38.8	38.7	37.7	35.8	33.9
95°	40.2	40.6	40.9	41.2	40.9	40.6	40.2	40.0	38.8	36.9	35.1
97.5°	38.8	39.2	39.5	39.8	39.5	39.2	38.8	38.5	38.3	38.1	37.9
100°	38.8	39.2	39.5	39.8	39.5	39.2	38.8	38.5	41.1	46.5	51.8
102.5°	40.7	40.8	40.9	40.9	40.9	40.8	40.7	40.7	69.7	127.5	185.5
105°	439.2	427.8	416.5	405.1	416.5	427.8	439.2	450.5	454.9	452.0	449.1
107.5°	561.0	562.1	563.4	564.6	563.4	562.1	561.0	559.8	558.5	557.1	555.7
110°	631.1	632.1	633.0	634.0	633.0	632.1	631.1	630.2	629.3	628.8	628.1



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	699.7	700.9	702.1	703.3	702.1	700.9	699.7	698.5	698.0	698.0	698.2
115°	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.2	803.5	803.0
117.5°	907.8	907.7	907.6	907.4	907.6	907.7	907.8	908.0	908.0	908.1	908.3
120°	974.1	973.5	972.9	972.2	972.9	973.5	974.1	974.8	974.8	974.1	973.5
122.5°	1037.8	1037.2	1036.5	1035.9	1036.5	1037.2	1037.8	1038.4	1038.6	1038.2	1037.8
125°	1130.5	1130.8	1131.1	1131.4	1131.1	1130.8	1130.5	1130.2	1129.5	1128.6	1127.7
127.5°	1216.1	1215.8	1215.5	1215.3	1215.5	1215.8	1216.1	1216.3	1216.5	1216.7	1216.9
130°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.0	1271.7	1271.4
132.5°	1325.2	1324.9	1324.7	1324.5	1324.7	1324.9	1325.2	1325.5	1325.4	1325.1	1324.8
135°	1401.0	1401.7	1402.3	1402.9	1402.3	1401.7	1401.0	1400.4	1399.8	1399.1	1398.5
137.5°	1470.6	1470.4	1470.2	1470.0	1470.2	1470.4	1470.6	1470.7	1470.6	1469.8	1469.1
140°	1515.7	1516.0	1516.3	1516.6	1516.3	1516.0	1515.7	1515.3	1514.8	1513.8	1512.9
142.5°	1555.1	1555.2	1555.2	1555.3	1555.2	1555.2	1555.1	1555.0	1554.6	1554.0	1553.3
145°	1612.8	1613.4	1614.1	1614.7	1614.1	1613.4	1612.8	1612.2	1611.7	1611.4	1611.1
147.5°	1662.9	1663.2	1663.6	1663.9	1663.6	1663.2	1662.9	1662.6	1662.4	1662.1	1661.8
150°	1694.8	1695.1	1695.4	1695.7	1695.4	1695.1	1694.8	1694.5	1694.3	1694.3	1694.3
152.5°	1723.5	1723.3	1723.2	1723.0	1723.2	1723.3	1723.5	1723.7	1723.6	1723.1	1722.6
155°	1762.6	1761.6	1760.7	1759.7	1760.7	1761.6	1762.6	1763.5	1763.3	1762.1	1760.8
157.5°	1795.4	1793.7	1792.1	1790.4	1792.1	1793.7	1795.4	1797.0	1797.0	1795.4	1793.7
160°	1816.6	1814.7	1812.8	1810.8	1812.8	1814.7	1816.6	1818.4	1818.4	1816.6	1814.7
162.5°	1833.2	1831.1	1828.9	1826.7	1828.9	1831.1	1833.2	1835.3	1835.5	1833.6	1831.7
165°	1857.8	1854.9	1852.1	1849.3	1852.1	1854.9	1857.8	1860.6	1860.8	1858.2	1855.7
167.5°	1875.5	1872.4	1869.2	1866.0	1869.2	1872.4	1875.5	1878.7	1878.9	1876.0	1873.3
170°	1885.7	1882.5	1879.4	1876.2	1879.4	1882.5	1885.7	1888.9	1889.2	1886.7	1884.1
172.5°	1892.2	1888.8	1885.4	1881.9	1885.4	1888.8	1892.2	1895.5	1896.0	1893.5	1890.9
175°	1900.4	1896.6	1892.8	1889.0	1892.8	1896.6	1900.4	1904.2	1904.7	1901.9	1898.9
177.5°	1902.7	1899.6	1896.6	1893.6	1896.6	1899.6	1902.7	1905.7	1906.2	1904.2	1902.1
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	870.6	872.7	877.3	882.6	887.0	890.9	893.8	897.9	901.7	907.0	912.0
5°	817.7	822.9	830.3	839.1	850.1	857.4	866.6	874.7	886.4	898.1	909.5
7.5°	771.5	777.1	787.9	800.0	813.1	825.1	835.9	850.2	865.7	882.9	901.9
10°	741.5	747.7	760.6	774.5	789.9	801.6	816.3	833.2	850.8	871.7	895.1
12.5°	714.5	720.5	735.9	750.2	766.2	779.1	796.1	813.2	836.7	859.4	886.1
15°	661.9	677.7	695.3	712.2	731.2	747.1	767.5	785.1	807.6	839.4	869.9
17.5°	603.5	620.4	642.2	668.3	693.8	713.3	734.1	756.0	782.7	815.2	850.4
20°	569.5	583.1	607.3	636.3	666.0	693.1	712.2	736.4	763.9	799.1	835.4
22.5°	544.0	555.5	574.5	603.4	635.5	667.0	691.4	715.3	745.7	780.9	820.5
25°	505.7	518.2	534.7	554.5	591.2	624.5	656.5	683.9	716.2	751.4	795.4
27.5°	473.9	484.7	499.8	520.5	545.1	581.9	620.6	652.0	685.0	722.8	766.9
30°	455.1	463.9	476.4	497.3	520.8	553.7	593.0	629.7	663.1	702.3	748.1
32.5°	435.5	444.9	457.0	473.5	498.7	526.5	565.7	605.9	641.3	681.5	726.4
35°	409.3	416.6	427.6	444.5	467.2	491.4	526.2	567.7	605.1	648.0	690.9
37.5°	382.8	391.4	400.1	415.1	433.8	459.8	488.3	530.7	572.1	611.2	653.2
40°	367.8	373.0	382.5	394.6	414.4	437.5	464.3	505.7	547.1	586.1	628.2
42.5°	351.1	356.8	364.9	377.0	394.7	417.3	443.5	479.3	522.5	560.2	598.6
45°	327.8	331.1	339.2	349.5	364.2	386.9	411.1	443.0	483.7	519.6	553.4
47.5°	304.3	307.3	312.3	321.7	338.1	356.4	379.1	407.6	443.4	479.3	507.8
50°	288.2	290.8	295.6	304.3	319.1	337.1	359.4	385.0	417.0	451.5	475.2
52.5°	272.1	273.5	278.0	287.9	300.3	317.9	338.0	361.6	391.4	420.1	444.2
55°	246.5	249.8	252.7	260.0	271.7	288.6	306.6	328.9	352.0	376.3	396.8
57.5°	219.7	223.3	227.5	233.9	243.3	259.0	275.1	293.2	312.9	333.1	350.2
60°	202.1	205.4	209.1	216.4	224.8	237.2	254.9	270.6	285.7	304.0	321.2
62.5°	184.7	188.0	192.3	198.2	206.3	218.2	232.9	246.6	262.2	278.2	291.1
65°	159.2	161.7	165.0	170.5	178.2	188.9	201.0	211.6	225.6	237.2	249.0
67.5°	131.1	136.0	140.3	144.8	151.3	161.2	169.9	180.1	189.6	198.3	209.1
70°	112.5	118.1	122.2	126.9	133.1	141.6	150.0	156.9	164.7	173.1	182.7
72.5°	97.1	101.3	104.5	109.6	115.2	123.1	130.9	136.7	143.0	148.7	158.0
75°	76.6	78.5	80.7	84.7	89.8	95.8	102.0	107.1	110.7	115.8	122.5
77.5°	55.0	58.6	60.0	63.0	66.6	70.2	74.4	78.7	82.2	84.1	89.1
80°	42.1	43.6	45.1	49.1	51.4	55.0	58.0	62.0	63.4	65.3	70.0
82.5°	32.8	33.6	34.6	35.6	36.9	40.6	43.5	46.1	47.6	48.3	51.8
85°	19.0	19.4	19.8	20.2	20.5	20.5	22.0	23.8	26.4	26.4	27.5
87.5°	13.1	13.0	12.5	11.7	11.8	11.3	10.9	10.3	10.5	10.7	10.8
90°	33.2	31.3	28.7	26.2	23.7	21.2	18.2	14.7	11.2	7.7	4.2
92.5°	32.0	30.2	27.6	25.1	22.5	20.0	18.7	18.5	18.3	18.1	17.9
95°	33.2	31.3	30.9	30.6	30.3	30.0	35.3	46.0	56.7	67.4	78.1
97.5°	37.7	37.5	72.8	108.0	143.3	178.5	192.8	186.2	179.4	172.7	166.0
100°	57.2	62.6	106.1	149.7	193.3	236.9	255.8	250.2	244.5	238.8	233.1
102.5°	243.4	301.3	307.0	312.7	318.4	324.0	324.8	320.7	316.5	312.4	308.1
105°	446.3	443.5	441.9	440.4	438.8	437.2	435.5	433.6	431.6	429.7	427.8
107.5°	554.3	552.9	550.7	548.7	546.5	544.3	542.8	541.9	540.9	540.0	538.9
110°	627.5	626.8	624.9	623.0	621.1	619.3	617.8	616.9	616.0	615.0	614.1



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	698.3	698.5	697.6	696.7	695.8	694.9	693.6	691.9	690.2	688.5	686.8
115°	802.3	801.6	802.0	802.3	802.6	803.0	802.6	801.6	800.7	799.7	798.8
117.5°	908.4	908.5	907.9	907.2	906.4	905.8	904.8	903.5	902.3	901.0	899.8
120°	972.9	972.2	972.5	972.9	973.2	973.5	973.0	971.8	970.5	969.2	968.0
122.5°	1037.5	1037.1	1036.6	1036.1	1035.8	1035.3	1034.7	1033.9	1033.1	1032.4	1031.6
125°	1126.7	1125.8	1126.3	1127.0	1127.7	1128.2	1127.9	1126.7	1125.4	1124.2	1122.9
127.5°	1217.1	1217.3	1215.8	1214.4	1213.0	1211.4	1210.6	1210.2	1209.9	1209.7	1209.3
130°	1271.0	1270.7	1269.8	1268.9	1267.9	1267.0	1266.3	1266.0	1265.6	1265.4	1265.1
132.5°	1324.5	1324.2	1323.0	1321.7	1320.6	1319.4	1318.5	1318.0	1317.4	1316.7	1316.2
135°	1397.9	1397.2	1396.0	1394.7	1393.5	1392.1	1391.7	1392.0	1392.3	1392.6	1393.0
137.5°	1468.4	1467.7	1466.3	1465.0	1463.6	1462.2	1461.4	1461.3	1461.1	1461.0	1460.9
140°	1511.9	1510.9	1510.3	1509.7	1509.0	1508.4	1507.8	1507.1	1506.6	1505.9	1505.2
142.5°	1552.6	1551.9	1551.5	1551.1	1550.8	1550.4	1549.6	1548.5	1547.4	1546.1	1545.0
145°	1610.7	1610.4	1610.4	1610.4	1610.4	1610.4	1610.0	1609.0	1608.1	1607.1	1606.2
147.5°	1661.6	1661.3	1661.6	1662.0	1662.3	1662.6	1661.9	1660.1	1658.3	1656.5	1654.8
150°	1694.3	1694.3	1694.6	1695.0	1695.3	1695.5	1695.1	1693.8	1692.5	1691.3	1690.1
152.5°	1722.1	1721.6	1722.1	1722.7	1723.3	1723.9	1723.6	1722.6	1721.6	1720.6	1719.6
155°	1759.5	1758.2	1759.3	1760.2	1761.1	1762.1	1762.4	1762.1	1761.7	1761.4	1761.1
157.5°	1792.1	1790.4	1791.5	1792.5	1793.6	1794.7	1795.4	1795.5	1795.7	1795.9	1796.1
160°	1812.8	1810.8	1811.2	1811.5	1811.8	1812.1	1812.8	1813.7	1814.7	1815.6	1816.6
162.5°	1829.8	1827.9	1828.2	1828.5	1828.8	1829.2	1829.9	1831.2	1832.3	1833.5	1834.8
165°	1853.1	1850.7	1850.7	1850.7	1850.7	1850.7	1851.4	1853.0	1854.6	1856.1	1857.8
167.5°	1870.5	1867.7	1867.9	1868.1	1868.3	1868.5	1869.3	1871.0	1872.6	1874.3	1875.9
170°	1881.6	1879.1	1878.8	1878.5	1878.1	1877.8	1878.6	1880.5	1882.4	1884.3	1886.2
172.5°	1888.4	1885.9	1885.6	1885.3	1885.0	1884.6	1885.5	1887.3	1889.2	1891.1	1893.0
175°	1896.1	1893.3	1893.0	1892.6	1892.3	1892.1	1892.8	1894.7	1896.6	1898.5	1900.4
177.5°	1900.2	1898.1	1897.6	1897.1	1896.6	1896.1	1896.8	1898.5	1900.3	1902.1	1903.8
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



TEST NUMBER: P333051-830

CATALOG NUMBER: S124RDIW-S575D1560U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	915.8	918.4	921.3	926.9	931.6	933.7	937.8	940.8	939.8	944.0	951.0
5°	919.4	929.3	940.7	952.3	965.5	976.6	985.4	994.2	1001.2	1009.6	1022.1
7.5°	918.8	936.4	955.5	976.6	998.2	1016.9	1034.3	1051.9	1067.4	1084.6	1106.9
10°	916.4	939.9	963.7	991.3	1018.8	1044.8	1068.3	1090.2	1111.2	1133.5	1161.8
12.5°	913.8	940.8	969.6	1002.7	1037.0	1068.3	1095.9	1127.6	1153.7	1182.5	1215.2
15°	902.1	938.5	977.7	1020.6	1061.7	1103.8	1141.6	1180.5	1216.8	1251.2	1292.3
17.5°	888.8	930.7	976.9	1027.7	1077.0	1128.2	1173.1	1222.1	1259.1	1305.4	1343.6
20°	878.0	923.0	972.5	1029.4	1085.5	1142.4	1191.8	1241.7	1283.6	1330.1	1378.6
22.5°	864.8	914.3	967.9	1026.7	1085.5	1147.6	1202.4	1252.0	1303.8	1356.2	1406.1
25°	843.5	894.8	951.7	1016.2	1083.6	1147.1	1205.8	1267.4	1323.1	1380.0	1424.7
27.5°	817.4	871.3	931.2	997.8	1067.1	1132.0	1201.1	1266.8	1322.9	1377.5	1416.5
30°	796.5	853.4	911.0	978.5	1050.3	1120.0	1194.0	1259.7	1318.7	1367.9	1389.9
32.5°	775.1	829.1	888.3	956.7	1030.4	1105.3	1178.8	1245.9	1300.5	1330.0	1330.6
35°	737.8	788.4	850.1	917.2	992.7	1074.1	1148.6	1214.6	1247.9	1250.6	1214.6
37.5°	697.2	743.7	801.8	869.0	951.7	1032.7	1108.7	1152.7	1163.9	1126.6	1060.2
40°	668.2	711.1	767.2	836.1	918.3	1001.9	1071.2	1103.4	1091.7	1031.2	957.2
42.5°	637.6	677.6	731.7	799.7	882.2	966.7	1025.8	1043.0	1011.9	942.1	855.4
45°	587.9	624.5	678.1	746.7	825.9	905.1	949.8	941.0	889.3	806.4	709.3
47.5°	536.0	571.5	619.6	683.1	764.2	832.5	862.8	836.3	762.7	671.6	592.5
50°	501.7	538.0	582.4	642.9	717.0	783.0	802.4	762.0	680.2	592.7	520.0
52.5°	468.0	499.0	542.4	600.9	671.8	727.5	737.8	691.4	606.9	528.4	464.0
55°	416.6	444.9	481.5	536.5	597.8	645.1	639.6	579.8	503.1	436.0	385.4
57.5°	366.9	388.2	422.1	473.6	527.4	559.2	539.0	488.1	416.7	361.7	319.1
60°	334.1	353.9	385.4	430.6	477.9	495.8	478.9	423.6	367.1	316.9	280.9
62.5°	303.0	320.5	347.6	389.5	427.6	438.3	420.3	371.9	321.0	278.1	248.4
65°	257.8	273.9	297.1	326.8	353.2	358.3	346.6	297.1	258.5	222.6	202.1
67.5°	216.8	227.3	245.4	271.1	285.1	288.1	265.4	234.3	200.4	178.3	162.9
70°	189.3	196.5	213.4	227.3	238.7	239.1	218.2	193.2	167.2	149.3	137.9
72.5°	162.5	169.6	182.4	191.9	200.6	197.7	178.6	158.9	137.9	124.3	115.8
75°	125.5	131.7	138.3	142.7	142.7	139.0	125.1	110.4	98.3	90.2	87.7
77.5°	91.1	96.3	98.5	97.8	96.5	90.8	82.0	72.4	68.1	64.3	62.3
80°	71.5	73.7	74.5	72.6	70.4	63.8	58.0	53.9	49.9	48.4	47.7
82.5°	53.1	55.0	53.1	53.5	48.7	43.3	40.1	38.6	36.9	36.4	35.6
85°	28.3	27.9	27.1	25.3	22.0	21.3	20.9	20.5	19.8	20.2	19.4
87.5°	11.2	11.0	10.6	10.9	11.6	11.5	12.3	12.8	13.3	13.4	14.3
90°	7.7	11.2	14.7	18.2	21.2	23.7	26.2	28.7	31.3	33.2	35.1
92.5°	18.1	18.3	18.5	18.7	20.0	22.5	25.1	27.6	30.2	32.0	33.9
95°	67.4	56.7	46.0	35.3	30.0	30.3	30.6	30.9	31.3	33.2	35.1
97.5°	172.7	179.4	186.2	192.8	178.5	143.3	108.0	72.8	37.5	37.7	37.9
100°	238.8	244.5	250.2	255.8	236.9	193.3	149.7	106.1	62.6	57.2	51.8
102.5°	312.4	316.5	320.7	324.8	324.0	318.4	312.7	307.0	301.3	243.4	185.5
105°	429.7	431.6	433.6	435.5	437.2	438.8	440.4	441.9	443.5	446.3	449.1
107.5°	540.0	540.9	541.9	542.8	544.3	546.5	548.7	550.7	552.9	554.3	555.7
110°	615.0	616.0	616.9	617.8	619.3	621.1	623.0	624.9	626.8	627.5	628.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	688.5	690.2	691.9	693.6	694.9	695.8	696.7	697.6	698.5	698.3	698.2
115°	799.7	800.7	801.6	802.6	803.0	802.6	802.3	802.0	801.6	802.3	803.0
117.5°	901.0	902.3	903.5	904.8	905.8	906.4	907.2	907.9	908.5	908.4	908.3
120°	969.2	970.5	971.8	973.0	973.5	973.2	972.9	972.5	972.2	972.9	973.5
122.5°	1032.4	1033.1	1033.9	1034.7	1035.3	1035.8	1036.1	1036.6	1037.1	1037.5	1037.8
125°	1124.2	1125.4	1126.7	1127.9	1128.2	1127.7	1127.0	1126.3	1125.8	1126.7	1127.7
127.5°	1209.7	1209.9	1210.2	1210.6	1211.4	1213.0	1214.4	1215.8	1217.3	1217.1	1216.9
130°	1265.4	1265.6	1266.0	1266.3	1267.0	1267.9	1268.9	1269.8	1270.7	1271.0	1271.4
132.5°	1316.7	1317.4	1318.0	1318.5	1319.4	1320.6	1321.7	1323.0	1324.2	1324.5	1324.8
135°	1392.6	1392.3	1392.0	1391.7	1392.1	1393.5	1394.7	1396.0	1397.2	1397.9	1398.5
137.5°	1461.0	1461.1	1461.3	1461.4	1462.2	1463.6	1465.0	1466.3	1467.7	1468.4	1469.1
140°	1505.9	1506.6	1507.1	1507.8	1508.4	1509.0	1509.7	1510.3	1510.9	1511.9	1512.9
142.5°	1546.1	1547.4	1548.5	1549.6	1550.4	1550.8	1551.1	1551.5	1551.9	1552.6	1553.3
145°	1607.1	1608.1	1609.0	1610.0	1610.4	1610.4	1610.4	1610.4	1610.4	1610.7	1611.1
147.5°	1656.5	1658.3	1660.1	1661.9	1662.6	1662.3	1662.0	1661.6	1661.3	1661.6	1661.8
150°	1691.3	1692.5	1693.8	1695.1	1695.5	1695.3	1695.0	1694.6	1694.3	1694.3	1694.3
152.5°	1720.6	1721.6	1722.6	1723.6	1723.9	1723.3	1722.7	1722.1	1721.6	1722.1	1722.6
155°	1761.4	1761.7	1762.1	1762.4	1762.1	1761.1	1760.2	1759.3	1758.2	1759.5	1760.8
157.5°	1795.9	1795.7	1795.5	1795.4	1794.7	1793.6	1792.5	1791.5	1790.4	1792.1	1793.7
160°	1815.6	1814.7	1813.7	1812.8	1812.1	1811.8	1811.5	1811.2	1810.8	1812.8	1814.7
162.5°	1833.5	1832.3	1831.2	1829.9	1829.2	1828.8	1828.5	1828.2	1827.9	1829.8	1831.7
165°	1856.1	1854.6	1853.0	1851.4	1850.7	1850.7	1850.7	1850.7	1850.7	1853.1	1855.7
167.5°	1874.3	1872.6	1871.0	1869.3	1868.5	1868.3	1868.1	1867.9	1867.7	1870.5	1873.3
170°	1884.3	1882.4	1880.5	1878.6	1877.8	1878.1	1878.5	1878.8	1879.1	1881.6	1884.1
172.5°	1891.1	1889.2	1887.3	1885.5	1884.6	1885.0	1885.3	1885.6	1885.9	1888.4	1890.9
175°	1898.5	1896.6	1894.7	1892.8	1892.1	1892.3	1892.6	1893.0	1893.3	1896.1	1898.9
177.5°	1902.1	1900.3	1898.5	1896.8	1896.1	1896.6	1897.1	1897.6	1898.1	1900.2	1902.1
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	954.8	956.0	956.9	959.8	960.1	962.7	960.1
5°	1033.8	1039.0	1047.0	1055.1	1055.8	1060.9	1051.8
7.5°	1122.4	1134.3	1141.7	1154.7	1159.9	1163.1	1157.8
10°	1183.5	1194.4	1213.9	1223.4	1232.9	1234.4	1230.0
12.5°	1242.4	1259.8	1275.2	1293.3	1292.8	1305.7	1301.0
15°	1321.0	1338.9	1360.2	1380.4	1387.7	1387.7	1393.5
17.5°	1377.0	1409.9	1431.9	1447.7	1465.1	1468.1	1466.0
20°	1414.9	1450.4	1473.9	1494.4	1506.2	1509.5	1509.5
22.5°	1443.0	1473.3	1496.2	1514.7	1524.4	1528.2	1527.0
25°	1462.5	1488.6	1502.5	1508.0	1510.5	1509.8	1502.9
27.5°	1435.8	1434.6	1425.8	1408.9	1396.3	1388.6	1379.8
30°	1384.8	1365.6	1343.7	1319.5	1288.3	1264.4	1257.2
32.5°	1308.8	1265.9	1228.7	1188.4	1154.8	1131.0	1121.0
35°	1161.8	1093.9	1038.6	990.1	955.0	932.9	925.6
37.5°	987.4	921.7	853.2	806.3	777.0	754.8	746.5
40°	876.5	804.9	745.2	701.2	671.1	649.5	649.1
42.5°	775.2	707.0	650.7	619.1	586.6	572.3	572.2
45°	634.8	580.1	532.4	507.6	488.1	476.4	473.1
47.5°	525.6	480.4	448.7	428.8	412.9	405.5	400.6
50°	464.3	424.7	399.4	382.1	373.3	363.8	363.1
52.5°	413.2	381.3	361.6	347.5	336.4	330.6	330.8
55°	347.3	322.0	308.0	297.4	288.6	284.2	282.4
57.5°	292.6	273.6	263.4	253.7	250.0	246.5	245.5
60°	258.5	245.7	236.2	228.5	223.0	221.9	221.5
62.5°	230.4	217.0	210.4	204.4	200.4	198.7	198.0
65°	189.9	180.0	174.2	169.5	168.0	165.4	165.0
67.5°	153.2	147.2	143.4	140.1	138.0	137.9	137.9
70°	130.5	127.2	123.9	122.2	121.0	120.3	120.3
72.5°	111.2	108.8	106.0	105.1	104.9	104.2	103.9
75°	84.7	82.2	82.5	80.7	79.2	77.4	76.3
77.5°	60.0	58.2	57.9	57.7	56.4	56.2	56.7
80°	46.6	44.8	44.4	44.8	44.4	43.3	43.3
82.5°	35.4	33.9	33.6	33.3	32.9	33.3	32.7
85°	19.0	18.4	18.4	18.4	19.0	18.7	18.4
87.5°	14.1	14.2	14.8	14.6	14.7	14.6	15.0
90°	36.9	38.8	40.2	40.7	41.4	42.0	42.6
92.5°	35.8	37.7	38.7	38.8	39.0	39.1	39.2
95°	36.9	38.8	40.0	40.2	40.6	40.9	41.2
97.5°	38.1	38.3	38.5	38.8	39.2	39.5	39.8
100°	46.5	41.1	38.5	38.8	39.2	39.5	39.8
102.5°	127.5	69.7	40.7	40.7	40.8	40.9	40.9
105°	452.0	454.9	450.5	439.2	427.8	416.5	405.1
107.5°	557.1	558.5	559.8	561.0	562.1	563.4	564.6
110°	628.8	629.3	630.2	631.1	632.1	633.0	634.0



TEST NUMBER: P333051-830

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	698.0	698.0	698.5	699.7	700.9	702.1	703.3
115°	803.5	804.2	804.6	804.6	804.6	804.6	804.6
117.5°	908.1	908.0	908.0	907.8	907.7	907.6	907.4
120°	974.1	974.8	974.8	974.1	973.5	972.9	972.2
122.5°	1038.2	1038.6	1038.4	1037.8	1037.2	1036.5	1035.9
125°	1128.6	1129.5	1130.2	1130.5	1130.8	1131.1	1131.4
127.5°	1216.7	1216.5	1216.3	1216.1	1215.8	1215.5	1215.3
130°	1271.7	1272.0	1272.1	1272.1	1272.1	1272.1	1272.1
132.5°	1325.1	1325.4	1325.5	1325.2	1324.9	1324.7	1324.5
135°	1399.1	1399.8	1400.4	1401.0	1401.7	1402.3	1402.9
137.5°	1469.8	1470.6	1470.7	1470.6	1470.4	1470.2	1470.0
140°	1513.8	1514.8	1515.3	1515.7	1516.0	1516.3	1516.6
142.5°	1554.0	1554.6	1555.0	1555.1	1555.2	1555.2	1555.3
145°	1611.4	1611.7	1612.2	1612.8	1613.4	1614.1	1614.7
147.5°	1662.1	1662.4	1662.6	1662.9	1663.2	1663.6	1663.9
150°	1694.3	1694.3	1694.5	1694.8	1695.1	1695.4	1695.7
152.5°	1723.1	1723.6	1723.7	1723.5	1723.3	1723.2	1723.0
155°	1762.1	1763.3	1763.5	1762.6	1761.6	1760.7	1759.7
157.5°	1795.4	1797.0	1797.0	1795.4	1793.7	1792.1	1790.4
160°	1816.6	1818.4	1818.4	1816.6	1814.7	1812.8	1810.8
162.5°	1833.6	1835.5	1835.3	1833.2	1831.1	1828.9	1826.7
165°	1858.2	1860.8	1860.6	1857.8	1854.9	1852.1	1849.3
167.5°	1876.0	1878.9	1878.7	1875.5	1872.4	1869.2	1866.0
170°	1886.7	1889.2	1888.9	1885.7	1882.5	1879.4	1876.2
172.5°	1893.5	1896.0	1895.5	1892.2	1888.8	1885.4	1881.9
175°	1901.9	1904.7	1904.2	1900.4	1896.6	1892.8	1889.0
177.5°	1904.2	1906.2	1905.7	1902.7	1899.6	1896.6	1893.6
180°	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4	1900.4

(END OF REPORT)