

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: P333047-830

Luminaire Tested: **S124RDIW-S575D1340U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333047-830  
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-S575D1340U830-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7361.6 lumens  
Efficiency: N/A  
Efficacy: 136.8 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

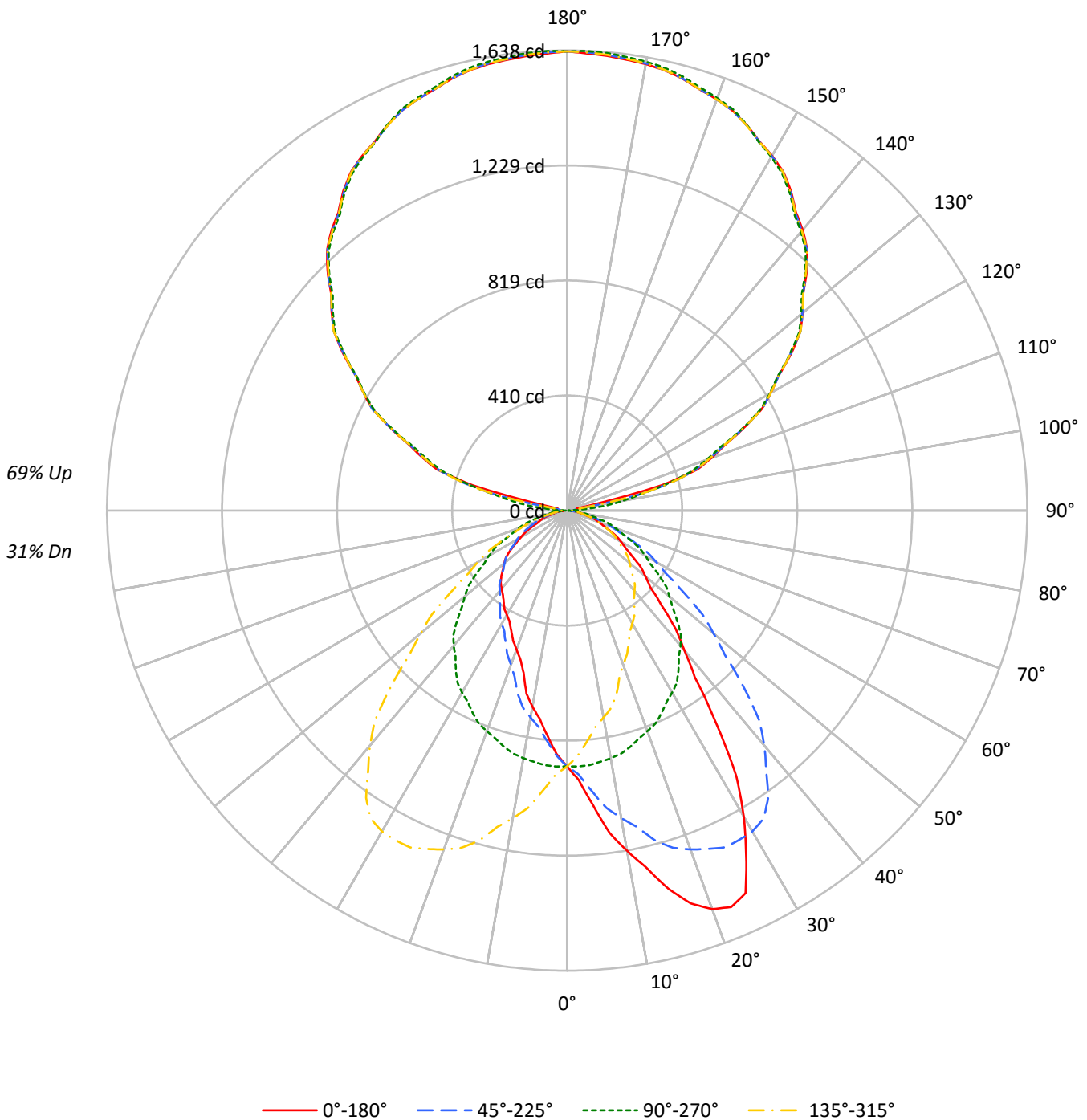
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	48	46	35	34	33	27
2	86	79	73	68	77	71	66	62	57	53	50	43	41	39	31	30	29	23
3	78	69	62	57	70	63	57	52	50	46	43	38	36	33	28	26	25	20
4	72	61	54	48	64	56	49	44	45	40	36	34	31	29	25	23	21	17
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	22	20	19	15
6	61	49	41	36	54	45	38	33	36	31	27	28	25	22	20	18	17	13
7	56	44	37	31	50	40	34	29	33	28	24	25	22	19	19	16	15	12
8	52	40	33	28	47	36	30	25	30	25	21	23	20	17	17	15	13	11
9	48	36	29	24	43	33	27	23	27	22	19	21	18	15	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	12	11	9

**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	1.2
10°-20°	266.0	3.6
20°-30°	416.1	5.7
30°-40°	462.6	6.3
40°-50°	410.4	5.6
50°-60°	319.8	4.3
60°-70°	209.4	2.8
70°-80°	103.0	1.4
80°-90°	30.1	0.4
90°-100°	55.9	0.8
100°-110°	356.4	4.8
110°-120°	681.9	9.3
120°-130°	865.6	11.8
130°-140°	926.1	12.6
140°-150°	866.0	11.8
150°-160°	698.4	9.5
160°-170°	450.5	6.1
170°-180°	155.3	2.1
0°-30°	770.3	10.5
0°-40°	1232.9	16.7
0°-60°	1963.1	26.7
0°-90°	2305.5	31.3
90°-120°	1094.2	14.9
90°-150°	3752.0	51.0
90°-180°	5056.0	68.7
0°-180°	7361.6	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°	37	4	37	4	37	17
95°	35	67	35	67	35	28
105°	348	368	348	368	348	304
115°	692	687	692	687	692	685
125°	973	966	973	966	973	867
135°	1207	1198	1207	1198	1207	929
145°	1389	1382	1389	1382	1389	868
155°	1514	1515	1514	1515	1514	698
165°	1590	1598	1590	1598	1590	449
175°	1625	1635	1625	1635	1625	155
180°	1635	1635	1635	1635	1635	



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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°	13.8	13.4	13.6	13.5	13.7	13.1	13.1	13.4	12.4	12.4	12.0
90°	36.7	36.1	35.6	35.1	34.5	33.5	31.8	30.2	28.6	26.9	24.7
92.5°	33.7	33.6	33.6	33.5	33.3	32.4	30.8	29.2	27.5	25.9	23.8
95°	35.4	35.2	34.9	34.6	34.4	33.5	31.8	30.2	28.6	26.9	26.6
97.5°	34.2	33.9	33.6	33.5	33.2	32.9	32.8	32.6	32.4	32.2	62.6
100°	34.2	33.9	33.6	33.5	33.2	35.3	40.0	44.6	49.2	53.8	91.2
102.5°	35.3	35.2	35.1	35.1	35.0	59.9	109.7	159.6	209.3	259.2	264.1
105°	348.5	358.2	368.0	377.8	387.6	391.2	388.8	386.3	383.9	381.4	380.0
107.5°	485.6	484.6	483.5	482.5	481.5	480.3	479.2	478.0	476.7	475.6	473.7
110°	545.3	544.4	543.7	542.8	542.0	541.3	540.7	540.3	539.7	539.1	537.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	604.9	603.9	602.9	601.8	600.8	600.3	600.4	600.5	600.7	600.8	600.0
115°	691.9	691.9	691.9	691.9	691.9	691.6	691.2	690.6	690.0	689.5	689.8
117.5°	780.4	780.6	780.7	780.8	780.9	781.0	781.1	781.2	781.4	781.5	780.8
120°	836.2	836.8	837.3	837.8	838.4	838.4	837.8	837.3	836.8	836.2	836.5
122.5°	891.0	891.6	892.0	892.6	893.2	893.2	893.0	892.6	892.3	891.9	891.6
125°	973.2	972.9	972.6	972.3	972.0	971.5	970.7	969.9	969.0	968.3	968.7
127.5°	1045.3	1045.5	1045.7	1045.9	1046.1	1046.3	1046.5	1046.7	1046.8	1047.0	1045.8
130°	1094.2	1094.2	1094.2	1094.2	1094.2	1094.0	1093.7	1093.4	1093.3	1093.0	1092.1
132.5°	1139.2	1139.3	1139.6	1139.8	1140.0	1140.0	1139.7	1139.4	1139.2	1138.9	1137.8
135°	1206.6	1206.1	1205.5	1205.0	1204.5	1203.9	1203.3	1202.9	1202.3	1201.7	1200.7
137.5°	1264.3	1264.5	1264.7	1264.8	1265.0	1264.8	1264.1	1263.6	1263.0	1262.3	1261.2
140°	1304.5	1304.2	1303.9	1303.6	1303.3	1302.8	1302.0	1301.2	1300.3	1299.6	1299.0
142.5°	1337.7	1337.7	1337.6	1337.6	1337.5	1337.2	1336.5	1336.0	1335.4	1334.7	1334.5
145°	1388.8	1388.3	1387.7	1387.1	1386.7	1386.2	1385.9	1385.6	1385.4	1385.2	1385.2
147.5°	1431.1	1430.8	1430.6	1430.3	1430.0	1429.7	1429.6	1429.4	1429.1	1428.9	1429.2
150°	1458.5	1458.2	1457.9	1457.6	1457.4	1457.3	1457.3	1457.3	1457.3	1457.3	1457.5
152.5°	1482.0	1482.1	1482.2	1482.4	1482.6	1482.4	1482.1	1481.6	1481.2	1480.7	1481.2
155°	1513.5	1514.3	1515.1	1516.0	1516.7	1516.6	1515.5	1514.5	1513.3	1512.3	1513.1
157.5°	1539.9	1541.3	1542.8	1544.2	1545.6	1545.6	1544.2	1542.8	1541.3	1539.9	1540.9
160°	1557.6	1559.2	1560.8	1562.4	1564.1	1564.1	1562.4	1560.8	1559.2	1557.6	1557.7
162.5°	1571.2	1573.0	1574.9	1576.8	1578.6	1578.7	1577.1	1575.5	1573.8	1572.2	1572.4
165°	1590.5	1593.0	1595.4	1597.9	1600.2	1600.4	1598.3	1596.1	1593.9	1591.8	1591.8
167.5°	1605.0	1607.7	1610.3	1613.1	1615.8	1616.0	1613.5	1611.2	1608.8	1606.4	1606.6
170°	1613.7	1616.5	1619.2	1621.9	1624.6	1624.8	1622.7	1620.5	1618.3	1616.2	1615.9
172.5°	1618.6	1621.6	1624.5	1627.4	1630.4	1630.8	1628.6	1626.4	1624.2	1622.0	1621.7
175°	1624.8	1628.0	1631.3	1634.6	1637.8	1638.2	1635.8	1633.3	1630.9	1628.4	1628.1
177.5°	1628.6	1631.3	1633.9	1636.4	1639.1	1639.6	1637.8	1636.1	1634.3	1632.6	1632.1
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



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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°	11.6	10.8	10.9	10.5	10.2	10.7	11.0	10.7	10.5	10.2	9.9
90°	22.5	20.4	18.2	15.6	12.6	9.6	6.7	3.7	6.7	9.6	12.6
92.5°	21.6	19.4	17.2	16.0	15.9	15.7	15.6	15.4	15.6	15.7	15.9
95°	26.4	26.1	25.8	30.3	39.5	48.7	58.0	67.2	58.0	48.7	39.5
97.5°	92.9	123.2	153.5	165.8	160.0	154.3	148.5	142.8	148.5	154.3	160.0
100°	128.8	166.3	203.8	220.1	215.2	210.3	205.4	200.5	205.4	210.3	215.2
102.5°	269.0	273.8	278.7	279.4	275.8	272.2	268.6	265.0	268.6	272.2	275.8
105°	378.7	377.4	376.0	374.5	372.9	371.3	369.6	368.0	369.6	371.3	372.9
107.5°	471.8	470.0	468.2	466.8	466.0	465.2	464.4	463.5	464.4	465.2	466.0
110°	535.8	534.2	532.6	531.4	530.6	529.8	529.0	528.1	529.0	529.8	530.6





TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	599.3	598.5	597.7	596.6	595.1	593.7	592.2	590.7	592.2	593.7	595.1
115°	690.0	690.3	690.6	690.3	689.5	688.7	687.9	687.0	687.9	688.7	689.5
117.5°	780.2	779.7	779.0	778.2	777.1	776.0	775.0	773.8	775.0	776.0	777.1
120°	836.8	837.1	837.3	836.9	835.8	834.7	833.6	832.5	833.6	834.7	835.8
122.5°	891.2	890.8	890.4	889.9	889.3	888.6	888.0	887.3	888.0	888.6	889.3
125°	969.3	969.9	970.4	970.2	969.0	968.0	966.9	965.8	966.9	968.0	969.0
127.5°	1044.4	1043.2	1042.0	1041.2	1040.9	1040.7	1040.4	1040.1	1040.4	1040.7	1040.9
130°	1091.3	1090.5	1089.7	1089.1	1088.8	1088.6	1088.4	1088.1	1088.4	1088.6	1088.8
132.5°	1136.8	1135.9	1134.8	1134.0	1133.5	1133.0	1132.6	1132.1	1132.6	1133.0	1133.5
135°	1199.6	1198.4	1197.4	1197.0	1197.3	1197.5	1197.8	1198.1	1197.8	1197.5	1197.3
137.5°	1260.0	1258.8	1257.6	1257.0	1256.9	1256.7	1256.6	1256.5	1256.6	1256.7	1256.9
140°	1298.4	1297.9	1297.4	1296.8	1296.3	1295.7	1295.2	1294.7	1295.2	1295.7	1296.3
142.5°	1334.1	1333.8	1333.4	1332.8	1331.8	1330.9	1329.8	1328.9	1329.8	1330.9	1331.8
145°	1385.2	1385.2	1385.2	1384.7	1383.9	1383.1	1382.2	1381.5	1382.2	1383.1	1383.9
147.5°	1429.5	1429.7	1430.0	1429.4	1427.9	1426.3	1424.7	1423.2	1424.7	1426.3	1427.9
150°	1457.8	1458.1	1458.3	1457.9	1456.9	1455.8	1454.7	1453.6	1454.7	1455.8	1456.9
152.5°	1481.7	1482.2	1482.7	1482.5	1481.6	1480.7	1479.9	1479.0	1479.9	1480.7	1481.6
155°	1513.9	1514.8	1515.5	1515.8	1515.5	1515.2	1514.9	1514.8	1514.9	1515.2	1515.5
157.5°	1541.7	1542.7	1543.6	1544.2	1544.3	1544.5	1544.6	1544.8	1544.6	1544.5	1544.3
160°	1558.0	1558.3	1558.6	1559.2	1559.9	1560.8	1561.6	1562.4	1561.6	1560.8	1559.9
162.5°	1572.7	1573.0	1573.3	1574.0	1575.0	1576.0	1577.0	1578.0	1577.0	1576.0	1575.0
165°	1591.8	1591.8	1591.8	1592.4	1593.7	1595.2	1596.5	1597.9	1596.5	1595.2	1593.7
167.5°	1606.8	1606.9	1607.0	1607.9	1609.3	1610.7	1612.1	1613.5	1612.1	1610.7	1609.3
170°	1615.6	1615.3	1615.1	1615.8	1617.4	1619.0	1620.7	1622.3	1620.7	1619.0	1617.4
172.5°	1621.6	1621.3	1621.0	1621.6	1623.2	1624.9	1626.5	1628.1	1626.5	1624.9	1623.2
175°	1627.9	1627.6	1627.3	1628.0	1629.7	1631.3	1632.9	1634.6	1632.9	1631.3	1629.7
177.5°	1631.7	1631.3	1630.8	1631.4	1632.9	1634.4	1636.0	1637.5	1636.0	1634.4	1632.9
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-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°	10.5	10.7	11.1	10.9	11.7	12.2	12.2	12.4	13.1	12.8	13.1
90°	15.6	18.2	20.4	22.5	24.7	26.9	28.6	30.2	31.8	33.5	34.5
92.5°	16.0	17.2	19.4	21.6	23.8	25.9	27.5	29.2	30.8	32.4	33.3
95°	30.3	25.8	26.1	26.4	26.6	26.9	28.6	30.2	31.8	33.5	34.4
97.5°	165.8	153.5	123.2	92.9	62.6	32.2	32.4	32.6	32.8	32.9	33.2
100°	220.1	203.8	166.3	128.8	91.2	53.8	49.2	44.6	40.0	35.3	33.2
102.5°	279.4	278.7	273.8	269.0	264.1	259.2	209.3	159.6	109.7	59.9	35.0
105°	374.5	376.0	377.4	378.7	380.0	381.4	383.9	386.3	388.8	391.2	387.6
107.5°	466.8	468.2	470.0	471.8	473.7	475.6	476.7	478.0	479.2	480.3	481.5
110°	531.4	532.6	534.2	535.8	537.5	539.1	539.7	540.3	540.7	541.3	542.0



TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	596.6	597.7	598.5	599.3	600.0	600.8	600.7	600.5	600.4	600.3	600.8
115°	690.3	690.6	690.3	690.0	689.8	689.5	690.0	690.6	691.2	691.6	691.9
117.5°	778.2	779.0	779.7	780.2	780.8	781.5	781.4	781.2	781.1	781.0	780.9
120°	836.9	837.3	837.1	836.8	836.5	836.2	836.8	837.3	837.8	838.4	838.4
122.5°	889.9	890.4	890.8	891.2	891.6	891.9	892.3	892.6	893.0	893.2	893.2
125°	970.2	970.4	969.9	969.3	968.7	968.3	969.0	969.9	970.7	971.5	972.0
127.5°	1041.2	1042.0	1043.2	1044.4	1045.8	1047.0	1046.8	1046.7	1046.5	1046.3	1046.1
130°	1089.1	1089.7	1090.5	1091.3	1092.1	1093.0	1093.3	1093.4	1093.7	1094.0	1094.2
132.5°	1134.0	1134.8	1135.9	1136.8	1137.8	1138.9	1139.2	1139.4	1139.7	1140.0	1140.0
135°	1197.0	1197.4	1198.4	1199.6	1200.7	1201.7	1202.3	1202.9	1203.3	1203.9	1204.5
137.5°	1257.0	1257.6	1258.8	1260.0	1261.2	1262.3	1263.0	1263.6	1264.1	1264.8	1265.0
140°	1296.8	1297.4	1297.9	1298.4	1299.0	1299.6	1300.3	1301.2	1302.0	1302.8	1303.3
142.5°	1332.8	1333.4	1333.8	1334.1	1334.5	1334.7	1335.4	1336.0	1336.5	1337.2	1337.5
145°	1384.7	1385.2	1385.2	1385.2	1385.2	1385.2	1385.4	1385.6	1385.9	1386.2	1386.7
147.5°	1429.4	1430.0	1429.7	1429.5	1429.2	1428.9	1429.1	1429.4	1429.6	1429.7	1430.0
150°	1457.9	1458.3	1458.1	1457.8	1457.5	1457.3	1457.3	1457.3	1457.3	1457.3	1457.4
152.5°	1482.5	1482.7	1482.2	1481.7	1481.2	1480.7	1481.2	1481.6	1482.1	1482.4	1482.6
155°	1515.8	1515.5	1514.8	1513.9	1513.1	1512.3	1513.3	1514.5	1515.5	1516.6	1516.7
157.5°	1544.2	1543.6	1542.7	1541.7	1540.9	1539.9	1541.3	1542.8	1544.2	1545.6	1545.6
160°	1559.2	1558.6	1558.3	1558.0	1557.7	1557.6	1559.2	1560.8	1562.4	1564.1	1564.1
162.5°	1574.0	1573.3	1573.0	1572.7	1572.4	1572.2	1573.8	1575.5	1577.1	1578.7	1578.6
165°	1592.4	1591.8	1591.8	1591.8	1591.8	1591.8	1593.9	1596.1	1598.3	1600.4	1600.2
167.5°	1607.9	1607.0	1606.9	1606.8	1606.6	1606.4	1608.8	1611.2	1613.5	1616.0	1615.8
170°	1615.8	1615.1	1615.3	1615.6	1615.9	1616.2	1618.3	1620.5	1622.7	1624.8	1624.6
172.5°	1621.6	1621.0	1621.3	1621.6	1621.7	1622.0	1624.2	1626.4	1628.6	1630.8	1630.4
175°	1628.0	1627.3	1627.6	1627.9	1628.1	1628.4	1630.9	1633.3	1635.8	1638.2	1637.8
177.5°	1631.4	1630.8	1631.3	1631.7	1632.1	1632.6	1634.3	1636.1	1637.8	1639.6	1639.1
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-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°	13.8	13.6	13.4	13.8	13.4	13.6	13.8	13.1	12.8	13.1	12.4
90°	35.1	35.6	36.1	36.7	36.1	35.6	35.1	34.5	33.5	31.8	30.2
92.5°	33.5	33.6	33.6	33.7	33.6	33.6	33.5	33.3	32.4	30.8	29.2
95°	34.6	34.9	35.2	35.4	35.2	34.9	34.6	34.4	33.5	31.8	30.2
97.5°	33.5	33.6	33.9	34.2	33.9	33.6	33.5	33.2	32.9	32.8	32.6
100°	33.5	33.6	33.9	34.2	33.9	33.6	33.5	33.2	35.3	40.0	44.6
102.5°	35.1	35.1	35.2	35.3	35.2	35.1	35.1	35.0	59.9	109.7	159.6
105°	377.8	368.0	358.2	348.5	358.2	368.0	377.8	387.6	391.2	388.8	386.3
107.5°	482.5	483.5	484.6	485.6	484.6	483.5	482.5	481.5	480.3	479.2	478.0
110°	542.8	543.7	544.4	545.3	544.4	543.7	542.8	542.0	541.3	540.7	540.3



TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	601.8	602.9	603.9	604.9	603.9	602.9	601.8	600.8	600.3	600.4	600.5
115°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.6	691.2	690.6
117.5°	780.8	780.7	780.6	780.4	780.6	780.7	780.8	780.9	781.0	781.1	781.2
120°	837.8	837.3	836.8	836.2	836.8	837.3	837.8	838.4	838.4	837.8	837.3
122.5°	892.6	892.0	891.6	891.0	891.6	892.0	892.6	893.2	893.2	893.0	892.6
125°	972.3	972.6	972.9	973.2	972.9	972.6	972.3	972.0	971.5	970.7	969.9
127.5°	1045.9	1045.7	1045.5	1045.3	1045.5	1045.7	1045.9	1046.1	1046.3	1046.5	1046.7
130°	1094.2	1094.2	1094.2	1094.2	1094.2	1094.2	1094.2	1094.2	1094.0	1093.7	1093.4
132.5°	1139.8	1139.6	1139.3	1139.2	1139.3	1139.6	1139.8	1140.0	1140.0	1139.7	1139.4
135°	1205.0	1205.5	1206.1	1206.6	1206.1	1205.5	1205.0	1204.5	1203.9	1203.3	1202.9
137.5°	1264.8	1264.7	1264.5	1264.3	1264.5	1264.7	1264.8	1265.0	1264.8	1264.1	1263.6
140°	1303.6	1303.9	1304.2	1304.5	1304.2	1303.9	1303.6	1303.3	1302.8	1302.0	1301.2
142.5°	1337.6	1337.6	1337.7	1337.7	1337.7	1337.6	1337.6	1337.5	1337.2	1336.5	1336.0
145°	1387.1	1387.7	1388.3	1388.8	1388.3	1387.7	1387.1	1386.7	1386.2	1385.9	1385.6
147.5°	1430.3	1430.6	1430.8	1431.1	1430.8	1430.6	1430.3	1430.0	1429.7	1429.6	1429.4
150°	1457.6	1457.9	1458.2	1458.5	1458.2	1457.9	1457.6	1457.4	1457.3	1457.3	1457.3
152.5°	1482.4	1482.2	1482.1	1482.0	1482.1	1482.2	1482.4	1482.6	1482.4	1482.1	1481.6
155°	1516.0	1515.1	1514.3	1513.5	1514.3	1515.1	1516.0	1516.7	1516.6	1515.5	1514.5
157.5°	1544.2	1542.8	1541.3	1539.9	1541.3	1542.8	1544.2	1545.6	1545.6	1544.2	1542.8
160°	1562.4	1560.8	1559.2	1557.6	1559.2	1560.8	1562.4	1564.1	1564.1	1562.4	1560.8
162.5°	1576.8	1574.9	1573.0	1571.2	1573.0	1574.9	1576.8	1578.6	1578.7	1577.1	1575.5
165°	1597.9	1595.4	1593.0	1590.5	1593.0	1595.4	1597.9	1600.2	1600.4	1598.3	1596.1
167.5°	1613.1	1610.3	1607.7	1605.0	1607.7	1610.3	1613.1	1615.8	1616.0	1613.5	1611.2
170°	1621.9	1619.2	1616.5	1613.7	1616.5	1619.2	1621.9	1624.6	1624.8	1622.7	1620.5
172.5°	1627.4	1624.5	1621.6	1618.6	1621.6	1624.5	1627.4	1630.4	1630.8	1628.6	1626.4
175°	1634.6	1631.3	1628.0	1624.8	1628.0	1631.3	1634.6	1637.8	1638.2	1635.8	1633.3
177.5°	1636.4	1633.9	1631.3	1628.6	1631.3	1633.9	1636.4	1639.1	1639.6	1637.8	1636.1
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



TEST NUMBER: P333047-830

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**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°	12.2	12.2	11.7	10.9	11.1	10.7	10.5	9.9	10.2	10.5	10.7
90°	28.6	26.9	24.7	22.5	20.4	18.2	15.6	12.6	9.6	6.7	3.7
92.5°	27.5	25.9	23.8	21.6	19.4	17.2	16.0	15.9	15.7	15.6	15.4
95°	28.6	26.9	26.6	26.4	26.1	25.8	30.3	39.5	48.7	58.0	67.2
97.5°	32.4	32.2	62.6	92.9	123.2	153.5	165.8	160.0	154.3	148.5	142.8
100°	49.2	53.8	91.2	128.8	166.3	203.8	220.1	215.2	210.3	205.4	200.5
102.5°	209.3	259.2	264.1	269.0	273.8	278.7	279.4	275.8	272.2	268.6	265.0
105°	383.9	381.4	380.0	378.7	377.4	376.0	374.5	372.9	371.3	369.6	368.0
107.5°	476.7	475.6	473.7	471.8	470.0	468.2	466.8	466.0	465.2	464.4	463.5
110°	539.7	539.1	537.5	535.8	534.2	532.6	531.4	530.6	529.8	529.0	528.1



TEST NUMBER: P333047-830

CATALOG NUMBER: S124RDIW-S575D1340U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	600.7	600.8	600.0	599.3	598.5	597.7	596.6	595.1	593.7	592.2	590.7
115°	690.0	689.5	689.8	690.0	690.3	690.6	690.3	689.5	688.7	687.9	687.0
117.5°	781.4	781.5	780.8	780.2	779.7	779.0	778.2	777.1	776.0	775.0	773.8
120°	836.8	836.2	836.5	836.8	837.1	837.3	836.9	835.8	834.7	833.6	832.5
122.5°	892.3	891.9	891.6	891.2	890.8	890.4	889.9	889.3	888.6	888.0	887.3
125°	969.0	968.3	968.7	969.3	969.9	970.4	970.2	969.0	968.0	966.9	965.8
127.5°	1046.8	1047.0	1045.8	1044.4	1043.2	1042.0	1041.2	1040.9	1040.7	1040.4	1040.1
130°	1093.3	1093.0	1092.1	1091.3	1090.5	1089.7	1089.1	1088.8	1088.6	1088.4	1088.1
132.5°	1139.2	1138.9	1137.8	1136.8	1135.9	1134.8	1134.0	1133.5	1133.0	1132.6	1132.1
135°	1202.3	1201.7	1200.7	1199.6	1198.4	1197.4	1197.0	1197.3	1197.5	1197.8	1198.1
137.5°	1263.0	1262.3	1261.2	1260.0	1258.8	1257.6	1257.0	1256.9	1256.7	1256.6	1256.5
140°	1300.3	1299.6	1299.0	1298.4	1297.9	1297.4	1296.8	1296.3	1295.7	1295.2	1294.7
142.5°	1335.4	1334.7	1334.5	1334.1	1333.8	1333.4	1332.8	1331.8	1330.9	1329.8	1328.9
145°	1385.4	1385.2	1385.2	1385.2	1385.2	1385.2	1384.7	1383.9	1383.1	1382.2	1381.5
147.5°	1429.1	1428.9	1429.2	1429.5	1429.7	1430.0	1429.4	1427.9	1426.3	1424.7	1423.2
150°	1457.3	1457.3	1457.5	1457.8	1458.1	1458.3	1457.9	1456.9	1455.8	1454.7	1453.6
152.5°	1481.2	1480.7	1481.2	1481.7	1482.2	1482.7	1482.5	1481.6	1480.7	1479.9	1479.0
155°	1513.3	1512.3	1513.1	1513.9	1514.8	1515.5	1515.8	1515.5	1515.2	1514.9	1514.8
157.5°	1541.3	1539.9	1540.9	1541.7	1542.7	1543.6	1544.2	1544.3	1544.5	1544.6	1544.8
160°	1559.2	1557.6	1557.7	1558.0	1558.3	1558.6	1559.2	1559.9	1560.8	1561.6	1562.4
162.5°	1573.8	1572.2	1572.4	1572.7	1573.0	1573.3	1574.0	1575.0	1576.0	1577.0	1578.0
165°	1593.9	1591.8	1591.8	1591.8	1591.8	1591.8	1592.4	1593.7	1595.2	1596.5	1597.9
167.5°	1608.8	1606.4	1606.6	1606.8	1606.9	1607.0	1607.9	1609.3	1610.7	1612.1	1613.5
170°	1618.3	1616.2	1615.9	1615.6	1615.3	1615.1	1615.8	1617.4	1619.0	1620.7	1622.3
172.5°	1624.2	1622.0	1621.7	1621.6	1621.3	1621.0	1621.6	1623.2	1624.9	1626.5	1628.1
175°	1630.9	1628.4	1628.1	1627.9	1627.6	1627.3	1628.0	1629.7	1631.3	1632.9	1634.6
177.5°	1634.3	1632.6	1632.1	1631.7	1631.3	1630.8	1631.4	1632.9	1634.4	1636.0	1637.5
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



TEST NUMBER: P333047-830

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**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°	11.0	10.7	10.2	10.5	10.9	10.8	11.6	12.0	12.4	12.4	13.4
90°	6.7	9.6	12.6	15.6	18.2	20.4	22.5	24.7	26.9	28.6	30.2
92.5°	15.6	15.7	15.9	16.0	17.2	19.4	21.6	23.8	25.9	27.5	29.2
95°	58.0	48.7	39.5	30.3	25.8	26.1	26.4	26.6	26.9	28.6	30.2
97.5°	148.5	154.3	160.0	165.8	153.5	123.2	92.9	62.6	32.2	32.4	32.6
100°	205.4	210.3	215.2	220.1	203.8	166.3	128.8	91.2	53.8	49.2	44.6
102.5°	268.6	272.2	275.8	279.4	278.7	273.8	269.0	264.1	259.2	209.3	159.6
105°	369.6	371.3	372.9	374.5	376.0	377.4	378.7	380.0	381.4	383.9	386.3
107.5°	464.4	465.2	466.0	466.8	468.2	470.0	471.8	473.7	475.6	476.7	478.0
110°	529.0	529.8	530.6	531.4	532.6	534.2	535.8	537.5	539.1	539.7	540.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	592.2	593.7	595.1	596.6	597.7	598.5	599.3	600.0	600.8	600.7	600.5
115°	687.9	688.7	689.5	690.3	690.6	690.3	690.0	689.8	689.5	690.0	690.6
117.5°	775.0	776.0	777.1	778.2	779.0	779.7	780.2	780.8	781.5	781.4	781.2
120°	833.6	834.7	835.8	836.9	837.3	837.1	836.8	836.5	836.2	836.8	837.3
122.5°	888.0	888.6	889.3	889.9	890.4	890.8	891.2	891.6	891.9	892.3	892.6
125°	966.9	968.0	969.0	970.2	970.4	969.9	969.3	968.7	968.3	969.0	969.9
127.5°	1040.4	1040.7	1040.9	1041.2	1042.0	1043.2	1044.4	1045.8	1047.0	1046.8	1046.7
130°	1088.4	1088.6	1088.8	1089.1	1089.7	1090.5	1091.3	1092.1	1093.0	1093.3	1093.4
132.5°	1132.6	1133.0	1133.5	1134.0	1134.8	1135.9	1136.8	1137.8	1138.9	1139.2	1139.4
135°	1197.8	1197.5	1197.3	1197.0	1197.4	1198.4	1199.6	1200.7	1201.7	1202.3	1202.9
137.5°	1256.6	1256.7	1256.9	1257.0	1257.6	1258.8	1260.0	1261.2	1262.3	1263.0	1263.6
140°	1295.2	1295.7	1296.3	1296.8	1297.4	1297.9	1298.4	1299.0	1299.6	1300.3	1301.2
142.5°	1329.8	1330.9	1331.8	1332.8	1333.4	1333.8	1334.1	1334.5	1334.7	1335.4	1336.0
145°	1382.2	1383.1	1383.9	1384.7	1385.2	1385.2	1385.2	1385.2	1385.2	1385.4	1385.6
147.5°	1424.7	1426.3	1427.9	1429.4	1430.0	1429.7	1429.5	1429.2	1428.9	1429.1	1429.4
150°	1454.7	1455.8	1456.9	1457.9	1458.3	1458.1	1457.8	1457.5	1457.3	1457.3	1457.3
152.5°	1479.9	1480.7	1481.6	1482.5	1482.7	1482.2	1481.7	1481.2	1480.7	1481.2	1481.6
155°	1514.9	1515.2	1515.5	1515.8	1515.5	1514.8	1513.9	1513.1	1512.3	1513.3	1514.5
157.5°	1544.6	1544.5	1544.3	1544.2	1543.6	1542.7	1541.7	1540.9	1539.9	1541.3	1542.8
160°	1561.6	1560.8	1559.9	1559.2	1558.6	1558.3	1558.0	1557.7	1557.6	1559.2	1560.8
162.5°	1577.0	1576.0	1575.0	1574.0	1573.3	1573.0	1572.7	1572.4	1572.2	1573.8	1575.5
165°	1596.5	1595.2	1593.7	1592.4	1591.8	1591.8	1591.8	1591.8	1591.8	1593.9	1596.1
167.5°	1612.1	1610.7	1609.3	1607.9	1607.0	1606.9	1606.8	1606.6	1606.4	1608.8	1611.2
170°	1620.7	1619.0	1617.4	1615.8	1615.1	1615.3	1615.6	1615.9	1616.2	1618.3	1620.5
172.5°	1626.5	1624.9	1623.2	1621.6	1621.0	1621.3	1621.6	1621.7	1622.0	1624.2	1626.4
175°	1632.9	1631.3	1629.7	1628.0	1627.3	1627.6	1627.9	1628.1	1628.4	1630.9	1633.3
177.5°	1636.0	1634.4	1632.9	1631.4	1630.8	1631.3	1631.7	1632.1	1632.6	1634.3	1636.1
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6



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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°	13.1	13.1	13.7	13.5	13.6	13.4	13.8
90°	31.8	33.5	34.5	35.1	35.6	36.1	36.7
92.5°	30.8	32.4	33.3	33.5	33.6	33.6	33.7
95°	31.8	33.5	34.4	34.6	34.9	35.2	35.4
97.5°	32.8	32.9	33.2	33.5	33.6	33.9	34.2
100°	40.0	35.3	33.2	33.5	33.6	33.9	34.2
102.5°	109.7	59.9	35.0	35.1	35.1	35.2	35.3
105°	388.8	391.2	387.6	377.8	368.0	358.2	348.5
107.5°	479.2	480.3	481.5	482.5	483.5	484.6	485.6
110°	540.7	541.3	542.0	542.8	543.7	544.4	545.3



TEST NUMBER: P333047-830

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	600.4	600.3	600.8	601.8	602.9	603.9	604.9
115°	691.2	691.6	691.9	691.9	691.9	691.9	691.9
117.5°	781.1	781.0	780.9	780.8	780.7	780.6	780.4
120°	837.8	838.4	838.4	837.8	837.3	836.8	836.2
122.5°	893.0	893.2	893.2	892.6	892.0	891.6	891.0
125°	970.7	971.5	972.0	972.3	972.6	972.9	973.2
127.5°	1046.5	1046.3	1046.1	1045.9	1045.7	1045.5	1045.3
130°	1093.7	1094.0	1094.2	1094.2	1094.2	1094.2	1094.2
132.5°	1139.7	1140.0	1140.0	1139.8	1139.6	1139.3	1139.2
135°	1203.3	1203.9	1204.5	1205.0	1205.5	1206.1	1206.6
137.5°	1264.1	1264.8	1265.0	1264.8	1264.7	1264.5	1264.3
140°	1302.0	1302.8	1303.3	1303.6	1303.9	1304.2	1304.5
142.5°	1336.5	1337.2	1337.5	1337.6	1337.6	1337.7	1337.7
145°	1385.9	1386.2	1386.7	1387.1	1387.7	1388.3	1388.8
147.5°	1429.6	1429.7	1430.0	1430.3	1430.6	1430.8	1431.1
150°	1457.3	1457.3	1457.4	1457.6	1457.9	1458.2	1458.5
152.5°	1482.1	1482.4	1482.6	1482.4	1482.2	1482.1	1482.0
155°	1515.5	1516.6	1516.7	1516.0	1515.1	1514.3	1513.5
157.5°	1544.2	1545.6	1545.6	1544.2	1542.8	1541.3	1539.9
160°	1562.4	1564.1	1564.1	1562.4	1560.8	1559.2	1557.6
162.5°	1577.1	1578.7	1578.6	1576.8	1574.9	1573.0	1571.2
165°	1598.3	1600.4	1600.2	1597.9	1595.4	1593.0	1590.5
167.5°	1613.5	1616.0	1615.8	1613.1	1610.3	1607.7	1605.0
170°	1622.7	1624.8	1624.6	1621.9	1619.2	1616.5	1613.7
172.5°	1628.6	1630.8	1630.4	1627.4	1624.5	1621.6	1618.6
175°	1635.8	1638.2	1637.8	1634.6	1631.3	1628.0	1624.8
177.5°	1637.8	1639.6	1639.1	1636.4	1633.9	1631.3	1628.6
180°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6

(END OF REPORT)