

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: P333044-830

Luminaire Tested: **S124RDIW-S575D1050U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333044-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S575D1050U830-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

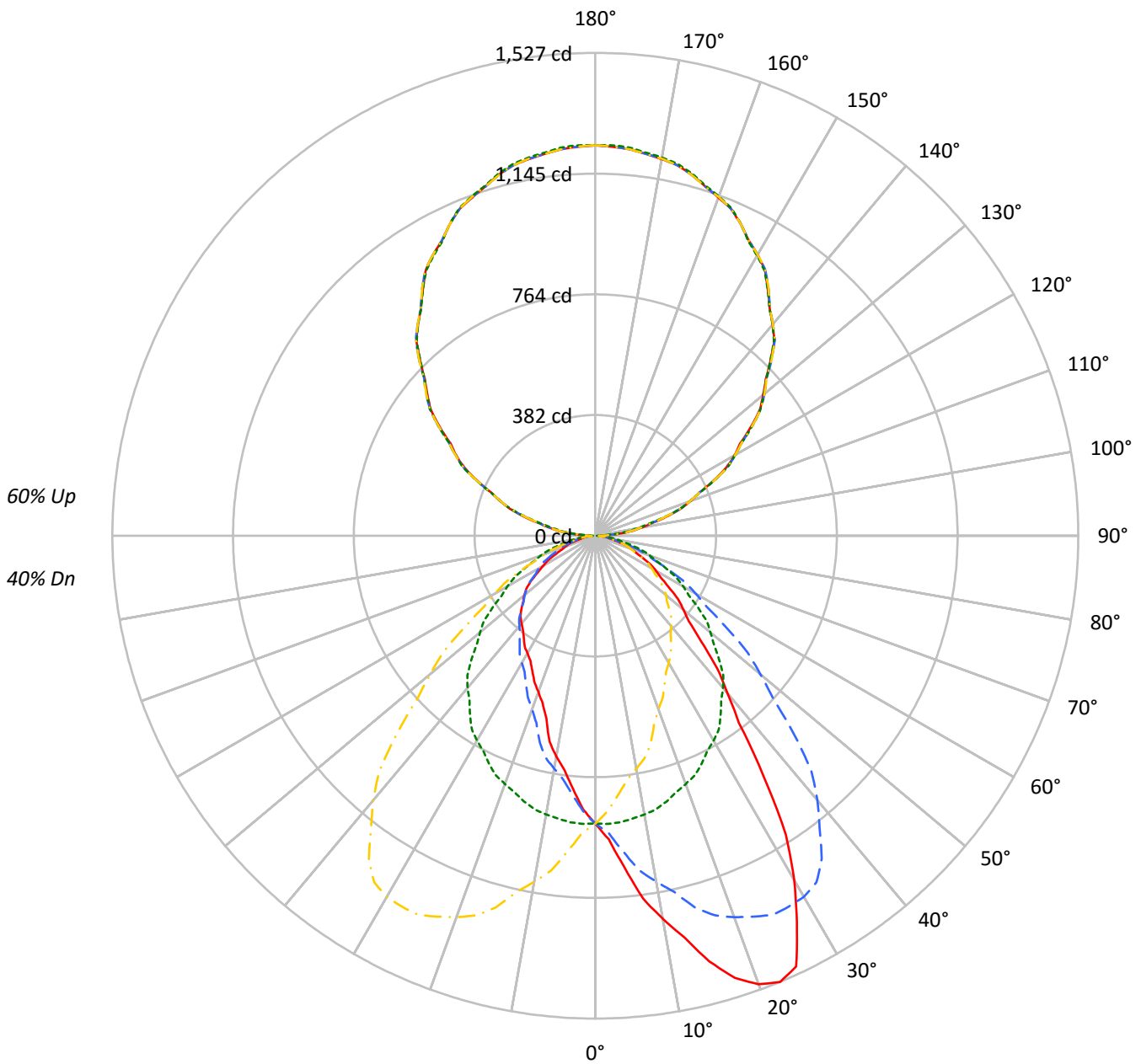
Lumens per Lamp: N/A  
Luminaire Lumens: 5729.8 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (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



— 0°-180°    - - 45°-225°    - · - · 90°-270°    - · - · 135°-315°



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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	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																												
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35																												
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30																												
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	34	32	30	25																												
4	73	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22																												
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19																												
6	62	51	43	37	57	46	40	35	39	34	30	32	28	25	25	22	20	17																												
7	57	46	38	33	52	42	35	30	35	30	26	29	25	22	23	20	18	15																												
8	53	41	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14																												
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	17	15	12																												
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11																												

**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	1.5
10°-20°	266.0	4.6
20°-30°	416.1	7.3
30°-40°	462.6	8.1
40°-50°	410.4	7.2
50°-60°	319.8	5.6
60°-70°	209.4	3.7
70°-80°	103.0	1.8
80°-90°	29.1	0.5
90°-100°	81.4	1.4
100°-110°	241.2	4.2
110°-120°	409.4	7.1
120°-130°	539.9	9.4
130°-140°	606.3	10.6
140°-150°	595.8	10.4
150°-160°	501.1	8.7
160°-170°	333.4	5.8
170°-180°	116.7	2.0
0°-30°	770.3	13.4
0°-40°	1232.9	21.5
0°-60°	1963.1	34.3
0°-90°	2304.5	40.2
90°-120°	732.1	12.8
90°-150°	2474.1	43.2
90°-180°	3425.0	59.8
0°-180°	5729.8	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	21
90°	29	3	29	3	29	15
95°	75	57	75	57	75	79
105°	233	222	233	222	233	246
115°	412	416	412	416	412	408
125°	602	606	602	606	602	537
135°	783	782	783	782	783	605
145°	951	950	951	950	951	595
155°	1088	1088	1088	1088	1088	501
165°	1182	1185	1182	1185	1182	333
175°	1227	1233	1227	1233	1227	117
180°	1235	1235	1235	1235	1235	



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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°	12.2	11.8	12.0	12.0	12.2	11.7	11.7	12.1	11.2	11.2	10.9
90°	28.7	28.2	27.8	27.3	27.0	26.1	24.8	23.6	22.2	21.0	19.3
92.5°	42.4	42.1	41.8	41.7	41.4	40.9	40.1	39.3	38.5	37.8	36.7
95°	75.4	75.4	75.4	75.4	75.4	75.1	74.5	73.8	73.2	72.6	71.1
97.5°	118.2	118.2	118.2	118.2	118.2	117.8	117.1	116.3	115.6	114.8	113.0
100°	148.0	148.0	148.0	148.0	148.0	147.8	147.3	146.9	146.5	146.1	144.2
102.5°	181.6	181.4	181.3	181.1	181.0	180.6	179.9	179.4	178.8	178.1	176.4
105°	233.0	232.3	231.7	231.1	230.5	229.8	229.1	228.6	227.9	227.2	226.4
107.5°	283.0	283.0	283.1	283.1	283.1	283.0	282.3	281.7	281.2	280.5	280.4
110°	319.0	318.3	317.6	317.0	316.4	316.2	316.7	317.1	317.5	317.9	318.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	355.6	355.4	355.3	355.2	355.1	355.1	355.2	355.2	355.3	355.4	355.8
115°	412.5	412.7	412.9	413.1	413.3	413.6	413.8	414.0	414.2	414.4	414.8
117.5°	466.7	467.1	467.6	468.0	468.4	469.0	469.7	470.4	471.2	471.8	472.2
120°	507.9	507.6	507.1	506.7	506.2	506.6	507.7	508.7	509.8	510.9	511.5
122.5°	542.3	543.1	543.8	544.6	545.4	546.1	546.9	547.6	548.3	549.0	549.3
125°	601.5	602.0	602.4	602.9	603.2	603.7	604.1	604.5	604.9	605.4	605.6
127.5°	656.4	656.7	657.0	657.3	657.7	658.1	658.6	658.9	659.4	659.8	660.2
130°	692.3	693.1	694.0	694.8	695.7	696.3	696.7	697.1	697.6	698.0	698.0
132.5°	730.5	730.8	731.1	731.5	731.8	732.2	732.6	733.0	733.5	733.9	734.1
135°	783.0	783.6	784.2	784.9	785.5	786.1	786.5	786.9	787.3	787.8	787.8
137.5°	838.1	838.0	837.9	837.7	837.6	837.8	838.4	839.0	839.5	840.1	839.7
140°	871.8	871.9	872.2	872.4	872.6	872.8	873.1	873.3	873.5	873.6	873.6
142.5°	905.4	905.4	905.5	905.5	905.5	905.6	905.6	905.7	905.7	905.8	906.0
145°	951.0	951.7	952.3	952.9	953.6	953.9	954.2	954.4	954.6	954.8	954.6
147.5°	997.2	997.4	997.7	997.9	998.1	998.2	998.4	998.6	998.8	998.9	999.1
150°	1025.5	1025.7	1026.0	1026.1	1026.3	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4
152.5°	1051.5	1052.0	1052.5	1053.1	1053.7	1053.7	1053.2	1052.6	1052.2	1051.7	1051.5
155°	1087.6	1088.4	1089.3	1090.1	1091.0	1091.0	1090.1	1089.3	1088.4	1087.6	1087.8
157.5°	1119.8	1120.6	1121.2	1122.0	1122.8	1122.8	1122.1	1121.5	1120.9	1120.2	1120.2
160°	1138.1	1139.3	1140.3	1141.3	1142.4	1142.6	1142.0	1141.3	1140.7	1140.1	1140.3
162.5°	1157.3	1158.3	1159.4	1160.5	1161.5	1161.5	1160.3	1159.1	1158.0	1156.9	1157.1
165°	1182.0	1182.9	1183.7	1184.6	1185.4	1185.2	1184.0	1182.7	1181.5	1180.2	1180.6
167.5°	1199.9	1201.2	1202.5	1203.8	1205.1	1205.1	1203.8	1202.6	1201.3	1200.0	1200.0
170°	1209.8	1211.3	1212.8	1214.3	1215.7	1215.8	1214.6	1213.2	1212.0	1210.7	1210.5
172.5°	1218.1	1219.7	1221.2	1222.7	1224.1	1224.2	1222.7	1221.3	1219.8	1218.3	1218.3
175°	1227.0	1228.4	1229.9	1231.4	1232.9	1232.9	1231.4	1229.9	1228.4	1227.0	1227.2
177.5°	1231.5	1232.9	1234.3	1235.6	1237.0	1237.1	1235.9	1234.7	1233.5	1232.3	1232.3
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



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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°	10.6	9.9	10.2	9.8	9.6	10.3	10.7	10.6	10.2	9.7	9.3
90°	17.6	15.9	14.2	12.2	9.9	7.5	5.2	2.8	5.2	7.5	9.9
92.5°	35.4	34.2	33.1	31.1	28.5	25.8	23.1	20.5	23.1	25.8	28.5
95°	69.6	68.1	66.6	64.9	63.1	61.1	59.2	57.3	59.2	61.1	63.1
97.5°	111.3	109.5	107.8	106.2	104.6	103.1	101.6	100.1	101.6	103.1	104.6
100°	142.2	140.3	138.5	137.0	136.2	135.3	134.5	133.7	134.5	135.3	136.2
102.5°	174.7	173.0	171.2	170.1	169.8	169.5	169.2	168.8	169.2	169.5	169.8
105°	225.6	224.7	223.9	223.3	223.1	222.9	222.7	222.4	222.7	222.9	223.1
107.5°	280.3	280.1	280.0	279.8	279.6	279.3	279.1	278.8	279.1	279.3	279.6
110°	318.4	318.6	318.8	318.7	318.3	317.8	317.4	317.0	317.4	317.8	318.3





TEST NUMBER: P333044-830

CATALOG NUMBER: S124RDIW-S575D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	356.2	356.6	356.9	357.0	356.9	356.9	356.8	356.8	356.8	356.9	356.9
115°	415.3	415.7	416.1	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3
117.5°	472.5	472.8	473.1	473.2	473.0	472.8	472.6	472.5	472.6	472.8	473.0
120°	512.1	512.7	513.4	513.3	512.5	511.6	510.8	509.9	510.8	511.6	512.5
122.5°	549.6	549.9	550.3	550.2	549.9	549.5	549.2	548.8	549.2	549.5	549.9
125°	605.8	606.0	606.2	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3
127.5°	660.4	660.8	661.2	661.0	660.3	659.7	659.1	658.5	659.1	659.7	660.3
130°	698.0	698.0	698.0	697.7	697.0	696.4	695.8	695.1	695.8	696.4	697.0
132.5°	734.2	734.4	734.5	734.4	734.0	733.5	733.0	732.5	733.0	733.5	734.0
135°	787.8	787.8	787.8	787.1	785.8	784.6	783.3	782.0	783.3	784.6	785.8
137.5°	839.4	839.1	838.7	838.2	837.6	837.1	836.4	835.8	836.4	837.1	837.6
140°	873.6	873.6	873.6	873.5	873.1	872.6	872.2	871.8	872.2	872.6	873.1
142.5°	906.1	906.3	906.4	906.3	905.9	905.5	905.0	904.7	905.0	905.5	905.9
145°	954.4	954.2	953.9	953.5	952.6	951.8	950.9	950.1	950.9	951.8	952.6
147.5°	999.3	999.5	999.7	999.2	998.2	997.2	996.2	995.1	996.2	997.2	998.2
150°	1026.4	1026.4	1026.4	1026.1	1025.2	1024.4	1023.5	1022.7	1023.5	1024.4	1025.2
152.5°	1051.3	1051.1	1050.9	1050.7	1050.1	1049.6	1049.1	1048.6	1049.1	1049.6	1050.1
155°	1088.0	1088.2	1088.4	1088.5	1088.5	1088.5	1088.5	1088.5	1088.5	1088.5	1088.5
157.5°	1120.3	1120.3	1120.4	1120.6	1121.0	1121.3	1121.7	1122.1	1121.7	1121.3	1121.0
160°	1140.5	1140.7	1140.9	1141.1	1141.3	1141.5	1141.8	1142.0	1141.8	1141.5	1141.3
162.5°	1157.3	1157.5	1157.7	1158.1	1158.7	1159.2	1159.8	1160.3	1159.8	1159.2	1158.7
165°	1181.0	1181.5	1181.9	1182.4	1183.1	1183.6	1184.3	1185.0	1184.3	1183.6	1183.1
167.5°	1200.0	1200.0	1199.9	1200.3	1201.2	1202.1	1203.0	1203.8	1203.0	1202.1	1201.2
170°	1210.3	1210.1	1209.8	1210.3	1211.4	1212.4	1213.5	1214.6	1213.5	1212.4	1211.4
172.5°	1218.3	1218.2	1218.2	1218.6	1219.6	1220.4	1221.3	1222.2	1221.3	1220.4	1219.6
175°	1227.4	1227.6	1227.9	1228.4	1229.5	1230.6	1231.6	1232.7	1231.6	1230.6	1229.5
177.5°	1232.3	1232.3	1232.3	1232.8	1233.6	1234.4	1235.3	1236.1	1235.3	1234.4	1233.6
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



TEST NUMBER: P333044-830

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**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°	9.8	9.9	10.2	10.0	10.7	10.9	10.9	11.1	11.7	11.4	11.6
90°	12.2	14.2	15.9	17.6	19.3	21.0	22.2	23.6	24.8	26.1	27.0
92.5°	31.1	33.1	34.2	35.4	36.7	37.8	38.5	39.3	40.1	40.9	41.4
95°	64.9	66.6	68.1	69.6	71.1	72.6	73.2	73.8	74.5	75.1	75.4
97.5°	106.2	107.8	109.5	111.3	113.0	114.8	115.6	116.3	117.1	117.8	118.2
100°	137.0	138.5	140.3	142.2	144.2	146.1	146.5	146.9	147.3	147.8	148.0
102.5°	170.1	171.2	173.0	174.7	176.4	178.1	178.8	179.4	179.9	180.6	181.0
105°	223.3	223.9	224.7	225.6	226.4	227.2	227.9	228.6	229.1	229.8	230.5
107.5°	279.8	280.0	280.1	280.3	280.4	280.5	281.2	281.7	282.3	283.0	283.1
110°	318.7	318.8	318.6	318.4	318.2	317.9	317.5	317.1	316.7	316.2	316.4



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	357.0	356.9	356.6	356.2	355.8	355.4	355.3	355.2	355.2	355.1	355.1
115°	416.3	416.1	415.7	415.3	414.8	414.4	414.2	414.0	413.8	413.6	413.3
117.5°	473.2	473.1	472.8	472.5	472.2	471.8	471.2	470.4	469.7	469.0	468.4
120°	513.3	513.4	512.7	512.1	511.5	510.9	509.8	508.7	507.7	506.6	506.2
122.5°	550.2	550.3	549.9	549.6	549.3	549.0	548.3	547.6	546.9	546.1	545.4
125°	606.3	606.2	606.0	605.8	605.6	605.4	604.9	604.5	604.1	603.7	603.2
127.5°	661.0	661.2	660.8	660.4	660.2	659.8	659.4	658.9	658.6	658.1	657.7
130°	697.7	698.0	698.0	698.0	698.0	698.0	697.6	697.1	696.7	696.3	695.7
132.5°	734.4	734.5	734.4	734.2	734.1	733.9	733.5	733.0	732.6	732.2	731.8
135°	787.1	787.8	787.8	787.8	787.8	787.8	787.3	786.9	786.5	786.1	785.5
137.5°	838.2	838.7	839.1	839.4	839.7	840.1	839.5	839.0	838.4	837.8	837.6
140°	873.5	873.6	873.6	873.6	873.6	873.6	873.5	873.3	873.1	872.8	872.6
142.5°	906.3	906.4	906.3	906.1	906.0	905.8	905.7	905.7	905.6	905.6	905.5
145°	953.5	953.9	954.2	954.4	954.6	954.8	954.6	954.4	954.2	953.9	953.6
147.5°	999.2	999.7	999.5	999.3	999.1	998.9	998.8	998.6	998.4	998.2	998.1
150°	1026.1	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.3
152.5°	1050.7	1050.9	1051.1	1051.3	1051.5	1051.7	1052.2	1052.6	1053.2	1053.7	1053.7
155°	1088.5	1088.4	1088.2	1088.0	1087.8	1087.6	1088.4	1089.3	1090.1	1091.0	1091.0
157.5°	1120.6	1120.4	1120.3	1120.3	1120.2	1120.2	1120.9	1121.5	1122.1	1122.8	1122.8
160°	1141.1	1140.9	1140.7	1140.5	1140.3	1140.1	1140.7	1141.3	1142.0	1142.6	1142.4
162.5°	1158.1	1157.7	1157.5	1157.3	1157.1	1156.9	1158.0	1159.1	1160.3	1161.5	1161.5
165°	1182.4	1181.9	1181.5	1181.0	1180.6	1180.2	1181.5	1182.7	1184.0	1185.2	1185.4
167.5°	1200.3	1199.9	1200.0	1200.0	1200.0	1200.0	1201.3	1202.6	1203.8	1205.1	1205.1
170°	1210.3	1209.8	1210.1	1210.3	1210.5	1210.7	1212.0	1213.2	1214.6	1215.8	1215.7
172.5°	1218.6	1218.2	1218.2	1218.3	1218.3	1218.3	1219.8	1221.3	1222.7	1224.2	1224.1
175°	1228.4	1227.9	1227.6	1227.4	1227.2	1227.0	1228.4	1229.9	1231.4	1232.9	1232.9
177.5°	1232.8	1232.3	1232.3	1232.3	1232.3	1232.3	1233.5	1234.7	1235.9	1237.1	1237.0
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



TEST NUMBER: P333044-830

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**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°	12.3	12.0	11.8	12.2	11.8	12.0	12.3	11.6	11.4	11.7	11.1
90°	27.3	27.8	28.2	28.7	28.2	27.8	27.3	27.0	26.1	24.8	23.6
92.5°	41.7	41.8	42.1	42.4	42.1	41.8	41.7	41.4	40.9	40.1	39.3
95°	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.1	74.5	73.8
97.5°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	117.8	117.1	116.3
100°	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	147.8	147.3	146.9
102.5°	181.1	181.3	181.4	181.6	181.4	181.3	181.1	181.0	180.6	179.9	179.4
105°	231.1	231.7	232.3	233.0	232.3	231.7	231.1	230.5	229.8	229.1	228.6
107.5°	283.1	283.1	283.0	283.0	283.0	283.1	283.1	283.1	283.0	282.3	281.7
110°	317.0	317.6	318.3	319.0	318.3	317.6	317.0	316.4	316.2	316.7	317.1



TEST NUMBER: P333044-830

CATALOG NUMBER: S124RDIW-S575D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	355.2	355.3	355.4	355.6	355.4	355.3	355.2	355.1	355.1	355.2	355.2
115°	413.1	412.9	412.7	412.5	412.7	412.9	413.1	413.3	413.6	413.8	414.0
117.5°	468.0	467.6	467.1	466.7	467.1	467.6	468.0	468.4	469.0	469.7	470.4
120°	506.7	507.1	507.6	507.9	507.6	507.1	506.7	506.2	506.6	507.7	508.7
122.5°	544.6	543.8	543.1	542.3	543.1	543.8	544.6	545.4	546.1	546.9	547.6
125°	602.9	602.4	602.0	601.5	602.0	602.4	602.9	603.2	603.7	604.1	604.5
127.5°	657.3	657.0	656.7	656.4	656.7	657.0	657.3	657.7	658.1	658.6	658.9
130°	694.8	694.0	693.1	692.3	693.1	694.0	694.8	695.7	696.3	696.7	697.1
132.5°	731.5	731.1	730.8	730.5	730.8	731.1	731.5	731.8	732.2	732.6	733.0
135°	784.9	784.2	783.6	783.0	783.6	784.2	784.9	785.5	786.1	786.5	786.9
137.5°	837.7	837.9	838.0	838.1	838.0	837.9	837.7	837.6	837.8	838.4	839.0
140°	872.4	872.2	871.9	871.8	871.9	872.2	872.4	872.6	872.8	873.1	873.3
142.5°	905.5	905.5	905.4	905.4	905.4	905.5	905.5	905.5	905.6	905.6	905.7
145°	952.9	952.3	951.7	951.0	951.7	952.3	952.9	953.6	953.9	954.2	954.4
147.5°	997.9	997.7	997.4	997.2	997.4	997.7	997.9	998.1	998.2	998.4	998.6
150°	1026.1	1026.0	1025.7	1025.5	1025.7	1026.0	1026.1	1026.3	1026.4	1026.4	1026.4
152.5°	1053.1	1052.5	1052.0	1051.5	1052.0	1052.5	1053.1	1053.7	1053.7	1053.2	1052.6
155°	1090.1	1089.3	1088.4	1087.6	1088.4	1089.3	1090.1	1091.0	1091.0	1090.1	1089.3
157.5°	1122.0	1121.2	1120.6	1119.8	1120.6	1121.2	1122.0	1122.8	1122.8	1122.1	1121.5
160°	1141.3	1140.3	1139.3	1138.1	1139.3	1140.3	1141.3	1142.4	1142.6	1142.0	1141.3
162.5°	1160.5	1159.4	1158.3	1157.3	1158.3	1159.4	1160.5	1161.5	1161.5	1160.3	1159.1
165°	1184.6	1183.7	1182.9	1182.0	1182.9	1183.7	1184.6	1185.4	1185.2	1184.0	1182.7
167.5°	1203.8	1202.5	1201.2	1199.9	1201.2	1202.5	1203.8	1205.1	1205.1	1203.8	1202.6
170°	1214.3	1212.8	1211.3	1209.8	1211.3	1212.8	1214.3	1215.7	1215.8	1214.6	1213.2
172.5°	1222.7	1221.2	1219.7	1218.1	1219.7	1221.2	1222.7	1224.1	1224.2	1222.7	1221.3
175°	1231.4	1229.9	1228.4	1227.0	1228.4	1229.9	1231.4	1232.9	1232.9	1231.4	1229.9
177.5°	1235.6	1234.3	1232.9	1231.5	1232.9	1234.3	1235.6	1237.0	1237.1	1235.9	1234.7
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



TEST NUMBER: P333044-830

CATALOG NUMBER: S124RDIW-S575D1050U830-4F0-1E-UDD-A1

**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°	10.9	10.9	10.7	10.0	10.2	9.9	9.8	9.3	9.7	10.2	10.6
90°	22.2	21.0	19.3	17.6	15.9	14.2	12.2	9.9	7.5	5.2	2.8
92.5°	38.5	37.8	36.7	35.4	34.2	33.1	31.1	28.5	25.8	23.1	20.5
95°	73.2	72.6	71.1	69.6	68.1	66.6	64.9	63.1	61.1	59.2	57.3
97.5°	115.6	114.8	113.0	111.3	109.5	107.8	106.2	104.6	103.1	101.6	100.1
100°	146.5	146.1	144.2	142.2	140.3	138.5	137.0	136.2	135.3	134.5	133.7
102.5°	178.8	178.1	176.4	174.7	173.0	171.2	170.1	169.8	169.5	169.2	168.8
105°	227.9	227.2	226.4	225.6	224.7	223.9	223.3	223.1	222.9	222.7	222.4
107.5°	281.2	280.5	280.4	280.3	280.1	280.0	279.8	279.6	279.3	279.1	278.8
110°	317.5	317.9	318.2	318.4	318.6	318.8	318.7	318.3	317.8	317.4	317.0



TEST NUMBER: P333044-830

CATALOG NUMBER: S124RDIW-S575D1050U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	355.3	355.4	355.8	356.2	356.6	356.9	357.0	356.9	356.9	356.8	356.8
115°	414.2	414.4	414.8	415.3	415.7	416.1	416.3	416.3	416.3	416.3	416.3
117.5°	471.2	471.8	472.2	472.5	472.8	473.1	473.2	473.0	472.8	472.6	472.5
120°	509.8	510.9	511.5	512.1	512.7	513.4	513.3	512.5	511.6	510.8	509.9
122.5°	548.3	549.0	549.3	549.6	549.9	550.3	550.2	549.9	549.5	549.2	548.8
125°	604.9	605.4	605.6	605.8	606.0	606.2	606.3	606.3	606.3	606.3	606.3
127.5°	659.4	659.8	660.2	660.4	660.8	661.2	661.0	660.3	659.7	659.1	658.5
130°	697.6	698.0	698.0	698.0	698.0	698.0	697.7	697.0	696.4	695.8	695.1
132.5°	733.5	733.9	734.1	734.2	734.4	734.5	734.4	734.0	733.5	733.0	732.5
135°	787.3	787.8	787.8	787.8	787.8	787.8	787.1	785.8	784.6	783.3	782.0
137.5°	839.5	840.1	839.7	839.4	839.1	838.7	838.2	837.6	837.1	836.4	835.8
140°	873.5	873.6	873.6	873.6	873.6	873.6	873.5	873.1	872.6	872.2	871.8
142.5°	905.7	905.8	906.0	906.1	906.3	906.4	906.3	905.9	905.5	905.0	904.7
145°	954.6	954.8	954.6	954.4	954.2	953.9	953.5	952.6	951.8	950.9	950.1
147.5°	998.8	998.9	999.1	999.3	999.5	999.7	999.2	998.2	997.2	996.2	995.1
150°	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.1	1025.2	1024.4	1023.5	1022.7
152.5°	1052.2	1051.7	1051.5	1051.3	1051.1	1050.9	1050.7	1050.1	1049.6	1049.1	1048.6
155°	1088.4	1087.6	1087.8	1088.0	1088.2	1088.4	1088.5	1088.5	1088.5	1088.5	1088.5
157.5°	1120.9	1120.2	1120.2	1120.3	1120.3	1120.4	1120.6	1121.0	1121.3	1121.7	1122.1
160°	1140.7	1140.1	1140.3	1140.5	1140.7	1140.9	1141.1	1141.3	1141.5	1141.8	1142.0
162.5°	1158.0	1156.9	1157.1	1157.3	1157.5	1157.7	1158.1	1158.7	1159.2	1159.8	1160.3
165°	1181.5	1180.2	1180.6	1181.0	1181.5	1181.9	1182.4	1183.1	1183.6	1184.3	1185.0
167.5°	1201.3	1200.0	1200.0	1200.0	1200.0	1199.9	1200.3	1201.2	1202.1	1203.0	1203.8
170°	1212.0	1210.7	1210.5	1210.3	1210.1	1209.8	1210.3	1211.4	1212.4	1213.5	1214.6
172.5°	1219.8	1218.3	1218.3	1218.3	1218.2	1218.2	1218.6	1219.6	1220.4	1221.3	1222.2
175°	1228.4	1227.0	1227.2	1227.4	1227.6	1227.9	1228.4	1229.5	1230.6	1231.6	1232.7
177.5°	1233.5	1232.3	1232.3	1232.3	1232.3	1232.3	1232.8	1233.6	1234.4	1235.3	1236.1
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



TEST NUMBER: P333044-830

CATALOG NUMBER: S124RDIW-S575D1050U830-4F0-1E-UDD-A1

**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°	10.7	10.3	9.6	9.8	10.2	9.9	10.6	10.9	11.2	11.2	12.1
90°	5.2	7.5	9.9	12.2	14.2	15.9	17.6	19.3	21.0	22.2	23.6
92.5°	23.1	25.8	28.5	31.1	33.1	34.2	35.4	36.7	37.8	38.5	39.3
95°	59.2	61.1	63.1	64.9	66.6	68.1	69.6	71.1	72.6	73.2	73.8
97.5°	101.6	103.1	104.6	106.2	107.8	109.5	111.3	113.0	114.8	115.6	116.3
100°	134.5	135.3	136.2	137.0	138.5	140.3	142.2	144.2	146.1	146.5	146.9
102.5°	169.2	169.5	169.8	170.1	171.2	173.0	174.7	176.4	178.1	178.8	179.4
105°	222.7	222.9	223.1	223.3	223.9	224.7	225.6	226.4	227.2	227.9	228.6
107.5°	279.1	279.3	279.6	279.8	280.0	280.1	280.3	280.4	280.5	281.2	281.7
110°	317.4	317.8	318.3	318.7	318.8	318.6	318.4	318.2	317.9	317.5	317.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.8	356.9	356.9	357.0	356.9	356.6	356.2	355.8	355.4	355.3	355.2
115°	416.3	416.3	416.3	416.3	416.1	415.7	415.3	414.8	414.4	414.2	414.0
117.5°	472.6	472.8	473.0	473.2	473.1	472.8	472.5	472.2	471.8	471.2	470.4
120°	510.8	511.6	512.5	513.3	513.4	512.7	512.1	511.5	510.9	509.8	508.7
122.5°	549.2	549.5	549.9	550.2	550.3	549.9	549.6	549.3	549.0	548.3	547.6
125°	606.3	606.3	606.3	606.3	606.2	606.0	605.8	605.6	605.4	604.9	604.5
127.5°	659.1	659.7	660.3	661.0	661.2	660.8	660.4	660.2	659.8	659.4	658.9
130°	695.8	696.4	697.0	697.7	698.0	698.0	698.0	698.0	698.0	697.6	697.1
132.5°	733.0	733.5	734.0	734.4	734.5	734.4	734.2	734.1	733.9	733.5	733.0
135°	783.3	784.6	785.8	787.1	787.8	787.8	787.8	787.8	787.8	787.3	786.9
137.5°	836.4	837.1	837.6	838.2	838.7	839.1	839.4	839.7	840.1	839.5	839.0
140°	872.2	872.6	873.1	873.5	873.6	873.6	873.6	873.6	873.6	873.5	873.3
142.5°	905.0	905.5	905.9	906.3	906.4	906.3	906.1	906.0	905.8	905.7	905.7
145°	950.9	951.8	952.6	953.5	953.9	954.2	954.4	954.6	954.8	954.6	954.4
147.5°	996.2	997.2	998.2	999.2	999.7	999.5	999.3	999.1	998.9	998.8	998.6
150°	1023.5	1024.4	1025.2	1026.1	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4	1026.4
152.5°	1049.1	1049.6	1050.1	1050.7	1050.9	1051.1	1051.3	1051.5	1051.7	1052.2	1052.6
155°	1088.5	1088.5	1088.5	1088.5	1088.4	1088.2	1088.0	1087.8	1087.6	1088.4	1089.3
157.5°	1121.7	1121.3	1121.0	1120.6	1120.4	1120.3	1120.3	1120.2	1120.2	1120.9	1121.5
160°	1141.8	1141.5	1141.3	1141.1	1140.9	1140.7	1140.5	1140.3	1140.1	1140.7	1141.3
162.5°	1159.8	1159.2	1158.7	1158.1	1157.7	1157.5	1157.3	1157.1	1156.9	1158.0	1159.1
165°	1184.3	1183.6	1183.1	1182.4	1181.9	1181.5	1181.0	1180.6	1180.2	1181.5	1182.7
167.5°	1203.0	1202.1	1201.2	1200.3	1199.9	1200.0	1200.0	1200.0	1200.0	1201.3	1202.6
170°	1213.5	1212.4	1211.4	1210.3	1209.8	1210.1	1210.3	1210.5	1210.7	1212.0	1213.2
172.5°	1221.3	1220.4	1219.6	1218.6	1218.2	1218.2	1218.3	1218.3	1218.3	1219.8	1221.3
175°	1231.6	1230.6	1229.5	1228.4	1227.9	1227.6	1227.4	1227.2	1227.0	1228.4	1229.9
177.5°	1235.3	1234.4	1233.6	1232.8	1232.3	1232.3	1232.3	1232.3	1232.3	1233.5	1234.7
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6



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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°	11.7	11.7	12.2	12.0	12.0	11.8	12.2
90°	24.8	26.1	27.0	27.3	27.8	28.2	28.7
92.5°	40.1	40.9	41.4	41.7	41.8	42.1	42.4
95°	74.5	75.1	75.4	75.4	75.4	75.4	75.4
97.5°	117.1	117.8	118.2	118.2	118.2	118.2	118.2
100°	147.3	147.8	148.0	148.0	148.0	148.0	148.0
102.5°	179.9	180.6	181.0	181.1	181.3	181.4	181.6
105°	229.1	229.8	230.5	231.1	231.7	232.3	233.0
107.5°	282.3	283.0	283.1	283.1	283.1	283.0	283.0
110°	316.7	316.2	316.4	317.0	317.6	318.3	319.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	355.2	355.1	355.1	355.2	355.3	355.4	355.6
115°	413.8	413.6	413.3	413.1	412.9	412.7	412.5
117.5°	469.7	469.0	468.4	468.0	467.6	467.1	466.7
120°	507.7	506.6	506.2	506.7	507.1	507.6	507.9
122.5°	546.9	546.1	545.4	544.6	543.8	543.1	542.3
125°	604.1	603.7	603.2	602.9	602.4	602.0	601.5
127.5°	658.6	658.1	657.7	657.3	657.0	656.7	656.4
130°	696.7	696.3	695.7	694.8	694.0	693.1	692.3
132.5°	732.6	732.2	731.8	731.5	731.1	730.8	730.5
135°	786.5	786.1	785.5	784.9	784.2	783.6	783.0
137.5°	838.4	837.8	837.6	837.7	837.9	838.0	838.1
140°	873.1	872.8	872.6	872.4	872.2	871.9	871.8
142.5°	905.6	905.6	905.5	905.5	905.5	905.4	905.4
145°	954.2	953.9	953.6	952.9	952.3	951.7	951.0
147.5°	998.4	998.2	998.1	997.9	997.7	997.4	997.2
150°	1026.4	1026.4	1026.3	1026.1	1026.0	1025.7	1025.5
152.5°	1053.2	1053.7	1053.7	1053.1	1052.5	1052.0	1051.5
155°	1090.1	1091.0	1091.0	1090.1	1089.3	1088.4	1087.6
157.5°	1122.1	1122.8	1122.8	1122.0	1121.2	1120.6	1119.8
160°	1142.0	1142.6	1142.4	1141.3	1140.3	1139.3	1138.1
162.5°	1160.3	1161.5	1161.5	1160.5	1159.4	1158.3	1157.3
165°	1184.0	1185.2	1185.4	1184.6	1183.7	1182.9	1182.0
167.5°	1203.8	1205.1	1205.1	1203.8	1202.5	1201.2	1199.9
170°	1214.6	1215.8	1215.7	1214.3	1212.8	1211.3	1209.8
172.5°	1222.7	1224.2	1224.1	1222.7	1221.2	1219.7	1218.1
175°	1231.4	1232.9	1232.9	1231.4	1229.9	1228.4	1227.0
177.5°	1235.9	1237.1	1237.0	1235.6	1234.3	1232.9	1231.5
180°	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6	1234.6

(END OF REPORT)