

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: P332422-927

Luminaire Tested: **S123RDIW-S560D1320U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332422-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S560D1320U927-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1320 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5949.7 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Indirect

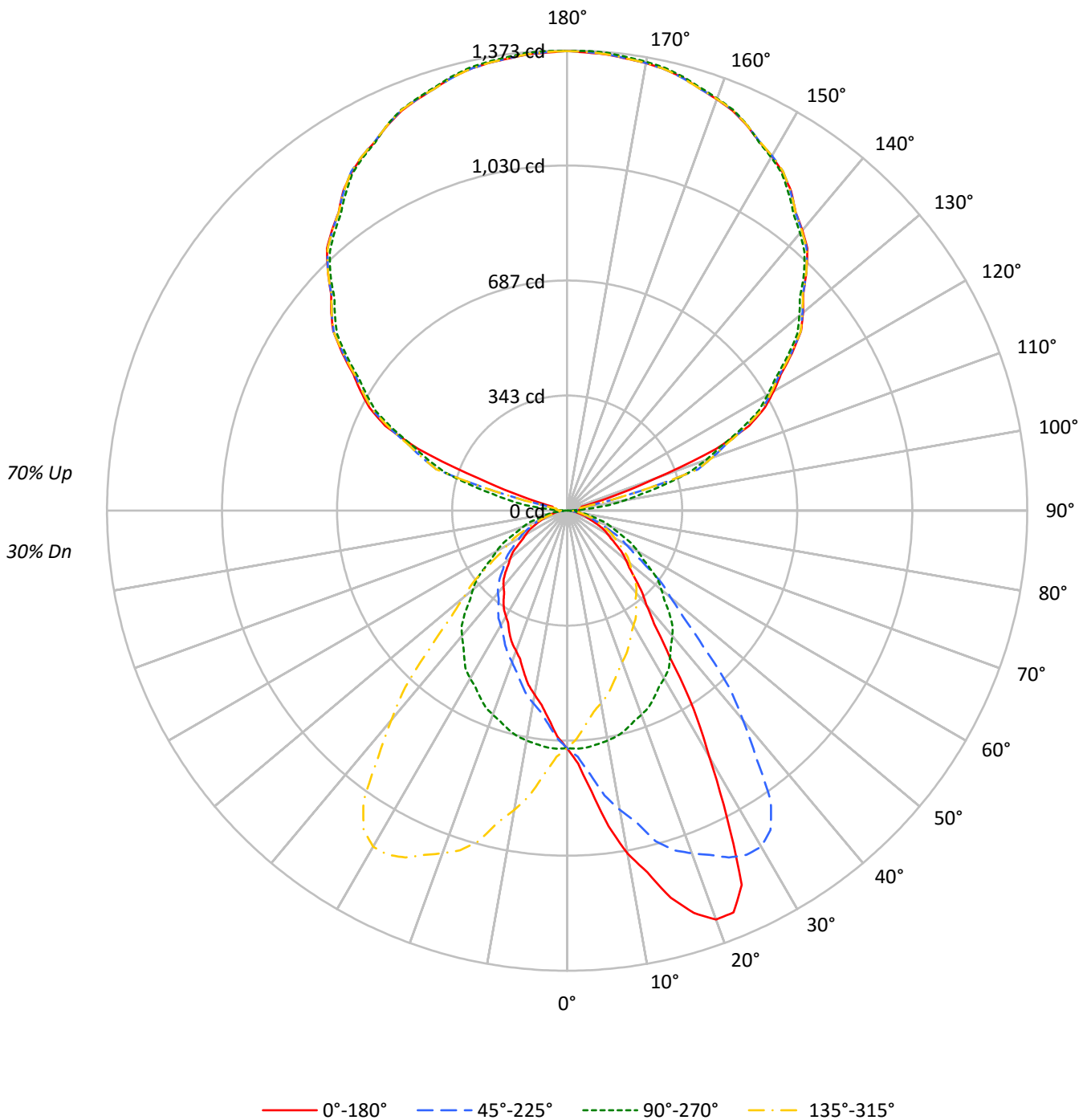
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	94	90	86	83	84	80	77	75	64	62	60	48	47	46	34	33	32	26
2	85	79	73	68	76	71	66	62	56	53	50	43	40	39	30	29	28	22
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	25	24	19
4	72	61	54	48	64	55	49	44	44	40	36	34	31	28	24	22	21	17
5	66	55	47	41	59	50	43	38	40	35	31	30	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	37	31	50	40	34	29	32	28	24	25	22	19	18	16	15	12
8	52	40	33	28	46	36	30	26	30	25	21	23	20	17	17	15	13	11
9	48	37	29	25	43	33	27	23	27	22	19	21	18	15	16	13	12	10
10	45	33	27	22	40	30	24	20	25	20	17	19	16	14	14	12	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7629	7629	7629	7629
5°	9095	7662	6748	7662
10°	11355	7618	6096	7618
15°	13329	7540	5558	7540
20°	14875	7424	5102	7424
25°	14638	7301	4822	7301
30°	10521	7188	4533	7188
35°	7025	7041	4346	7041
40°	5176	6864	4154	6864
45°	4341	6555	3962	6555
50°	3831	6149	3699	6149
55°	3359	5684	3337	5684
60°	2990	5240	3057	5240
65°	2626	4760	2845	4760
70°	2061	4337	2596	4337
75°	1817	3785	2371	3785
80°	1581	3217	2331	3217
85°	1272	2581	2470	2581



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	1.2
10°-20°	217.8	3.7
20°-30°	342.1	5.7
30°-40°	356.9	6.0
40°-50°	305.5	5.1
50°-60°	232.8	3.9
60°-70°	149.2	2.5
70°-80°	71.8	1.2
80°-90°	22.8	0.4
90°-100°	49.8	0.8
100°-110°	237.6	4.0
110°-120°	570.6	9.6
120°-130°	726.7	12.2
130°-140°	776.4	13.0
140°-150°	726.0	12.2
150°-160°	585.6	9.8
160°-170°	378.0	6.4
170°-180°	130.3	2.2
0°-30°	629.6	10.6
0°-40°	986.5	16.6
0°-60°	1524.8	25.6
0°-90°	1768.6	29.7
90°-120°	858.1	14.4
90°-150°	3087.2	51.9
90°-180°	4181.0	70.3
0°-180°	5949.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	842	709	624	709	842	87
15°	1196	677	499	677	1196	339
25°	1232	615	406	615	1232	530
35°	535	536	331	536	535	351
45°	285	431	260	431	285	224
55°	179	303	178	303	179	162
65°	103	187	112	187	103	101
75°	44	91	57	91	44	47
85°	10	21	20	21	10	13
90°	31	1	31	1	31	14
95°	39	62	39	62	39	32
105°	45	304	45	304	45	102
115°	599	569	599	569	599	553
125°	819	803	819	803	819	731
135°	1010	999	1010	999	1010	778
145°	1164	1153	1164	1153	1164	727
155°	1268	1270	1268	1270	1268	585
165°	1336	1340	1336	1340	1336	377
175°	1366	1371	1366	1371	1366	130
180°	1371	1371	1371	1371	1371	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	754.9	755.9	752.7	752.3	748.6	747.7	747.7	742.5	739.3	735.2	732.8
5°	841.7	846.5	844.1	838.7	829.6	827.4	821.7	812.5	802.2	789.5	783.5
7.5°	950.1	956.7	954.1	945.7	936.2	928.4	912.2	897.1	875.9	857.4	841.5
10°	1038.9	1031.9	1026.5	1018.3	1009.5	995.2	978.3	954.9	927.9	906.7	883.0
12.5°	1105.4	1104.3	1097.3	1088.9	1076.5	1063.0	1042.0	1013.6	982.2	951.5	924.5
15°	1196.1	1197.9	1193.3	1184.6	1167.0	1143.0	1111.4	1099.6	1054.7	1021.3	987.9
17.5°	1258.9	1258.5	1257.8	1245.6	1227.7	1210.6	1181.4	1150.2	1109.6	1062.6	1017.6
20°	1298.6	1295.6	1296.2	1282.5	1269.2	1249.5	1221.0	1175.8	1142.4	1088.1	1041.6
22.5°	1297.7	1297.0	1299.3	1294.7	1285.0	1269.9	1247.4	1209.3	1166.6	1111.8	1059.6
25°	1232.5	1230.1	1244.4	1248.2	1263.8	1266.5	1259.8	1238.9	1198.5	1142.1	1077.4
27.5°	1031.5	1030.2	1056.6	1089.7	1131.8	1164.4	1196.0	1211.2	1198.5	1158.1	1093.4
30°	846.5	875.0	888.4	936.4	989.8	1053.4	1109.3	1162.4	1175.4	1157.9	1104.8
32.5°	702.8	727.7	738.9	780.1	829.8	904.4	988.2	1063.3	1116.5	1130.0	1098.0
35°	534.6	535.0	560.4	578.6	624.7	701.5	782.8	883.5	983.7	1059.5	1067.5
37.5°	426.6	428.1	443.5	461.7	496.3	536.9	608.5	692.2	807.9	924.3	992.6
40°	368.4	371.1	382.6	400.5	425.4	456.1	511.9	590.7	687.2	816.8	922.7
42.5°	331.0	335.4	341.4	355.1	370.5	399.3	444.4	505.3	593.0	715.6	837.7
45°	285.2	287.6	292.2	298.6	312.5	332.6	362.9	403.9	476.7	575.3	697.6
47.5°	251.6	250.3	255.1	260.3	269.6	283.2	303.6	337.0	389.0	468.0	571.8
50°	228.8	228.5	231.8	235.8	244.5	254.6	271.2	296.4	337.7	403.2	498.2
52.5°	207.4	208.6	211.0	215.9	222.2	230.3	245.3	263.4	298.9	355.5	434.6
55°	179.0	179.9	183.2	186.0	190.5	198.8	208.2	223.3	247.6	287.0	352.3
57.5°	155.0	154.6	157.8	158.4	163.6	170.2	177.5	189.3	206.9	236.2	280.2
60°	138.9	138.1	140.8	142.9	145.6	151.1	157.2	168.7	182.7	204.2	241.9
62.5°	124.4	124.0	126.0	128.1	130.3	135.3	140.5	149.2	160.3	178.5	208.3
65°	103.1	104.1	105.0	105.9	107.1	110.1	115.0	121.0	128.7	141.4	163.0
67.5°	81.0	82.0	82.3	84.1	86.7	88.6	91.7	97.0	102.3	113.0	125.3
70°	65.5	65.2	65.5	66.5	69.8	73.1	77.1	81.0	84.4	92.0	102.3
72.5°	56.3	55.8	56.6	56.7	58.4	59.3	61.8	65.5	69.8	74.9	82.4
75°	43.7	43.7	43.7	43.7	44.9	45.6	46.4	47.4	48.9	51.3	56.7
77.5°	32.3	32.3	32.8	33.0	33.4	33.7	34.2	35.2	35.6	37.0	39.3
80°	25.5	25.8	25.5	25.8	25.8	26.4	26.7	27.6	27.9	29.5	30.3
82.5°	19.2	19.0	19.2	19.5	19.5	20.1	20.1	20.8	20.9	21.6	22.6
85°	10.3	9.7	10.3	10.0	10.6	10.0	10.3	10.9	10.9	11.2	12.4
87.5°	8.6	9.0	8.4	8.5	8.4	8.6	8.3	8.2	8.5	8.1	7.7
90°	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2	25.3	24.5	21.5
92.5°	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0	27.5	26.1	23.8
95°	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8	33.2	31.6	29.1
97.5°	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4	34.6	32.8	49.1
100°	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2	35.4	33.6	68.9
102.5°	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8	61.4	67.0	105.6
105°	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9	183.0	223.1	243.4
107.5°	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1	379.5	408.8	405.7
110°	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4	451.9	459.4	456.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0	510.9	510.7	508.3
115°	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2	586.9	584.7	582.7
117.5°	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0	658.2	656.4	655.4
120°	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5	704.6	702.8	702.2
122.5°	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9	750.6	749.3	748.5
125°	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8	815.3	814.9	814.0
127.5°	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9	879.2	878.5	877.3
130°	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5	917.7	916.7	915.8
132.5°	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2	954.3	953.4	952.7
135°	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5	1008.5
137.5°	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3	1059.2	1058.1	1057.6
140°	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7	1090.8	1089.9	1089.3
142.5°	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5	1120.8	1120.1	1119.4
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2	1162.7	1162.2	1161.8
147.5°	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4	1200.0	1199.5	1199.0
150°	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2	1222.8	1222.3	1221.9
152.5°	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5	1242.7	1241.9	1241.6
155°	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5	1270.3	1269.2	1269.0
157.5°	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8	1294.3	1293.0	1293.2
160°	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6	1308.2	1306.9	1307.1
162.5°	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2	1320.6	1319.1	1319.3
165°	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0	1337.2	1335.4	1335.6
167.5°	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5	1348.5
170°	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7	1355.7
172.5°	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3	1362.5	1360.7	1360.5
175°	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2	1368.6	1367.0	1366.8
177.5°	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3	1370.9	1369.4	1369.2
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	731.8	731.1	727.7	723.8	718.7	715.3	712.6	711.2	706.9	701.5	697.8
5°	777.1	767.9	758.3	746.4	735.5	724.3	717.3	709.1	699.1	687.9	679.9
7.5°	825.5	807.6	788.4	768.6	748.9	731.3	715.8	702.5	686.6	670.5	659.2
10°	862.6	836.5	809.5	781.9	756.7	733.1	714.9	697.0	677.9	659.3	645.4
12.5°	896.4	862.1	830.9	796.9	764.8	736.5	710.3	689.2	666.2	646.5	630.6
15°	939.1	903.9	866.3	814.7	771.9	736.1	704.3	676.6	648.7	624.5	609.0
17.5°	979.0	926.1	875.5	832.4	776.9	732.1	693.2	660.2	629.6	603.9	584.8
20°	995.5	944.3	889.3	834.4	779.8	729.8	684.5	648.1	616.2	587.1	569.5
22.5°	1005.4	947.4	889.5	830.5	772.5	720.5	675.8	635.7	601.2	573.5	551.8
25°	1017.1	947.8	884.2	825.9	766.8	710.3	657.2	614.7	577.4	548.0	524.9
27.5°	1024.7	943.3	868.0	803.3	743.2	687.1	638.4	593.3	555.5	524.3	499.6
30°	1026.2	939.7	855.6	785.5	724.5	673.0	621.4	578.3	538.3	505.2	482.1
32.5°	1028.1	930.7	838.9	764.5	702.0	650.9	604.2	563.0	522.0	489.4	465.9
35°	1020.1	925.7	813.5	727.9	665.4	615.9	573.8	535.8	495.5	463.9	440.0
37.5°	985.6	906.0	787.1	686.7	621.4	575.6	541.2	508.2	471.2	437.1	414.5
40°	950.9	886.6	766.8	661.8	593.5	546.4	515.5	488.5	452.7	420.8	396.6
42.5°	899.2	860.2	747.3	635.6	561.9	516.6	490.5	465.2	433.8	401.4	378.6
45°	804.4	809.5	707.6	593.8	518.2	472.7	448.1	430.6	402.7	376.0	352.6
47.5°	685.4	733.6	660.9	549.3	472.2	429.4	408.0	392.6	373.8	347.6	326.3
50°	607.8	676.6	623.5	519.4	443.3	400.8	379.6	367.2	350.8	330.1	309.8
52.5°	536.1	610.1	578.4	486.2	412.0	373.1	352.4	342.1	329.2	309.7	291.4
55°	437.2	512.1	504.9	436.0	365.0	330.1	314.3	302.9	294.0	279.5	264.9
57.5°	353.6	424.7	428.5	380.2	323.6	289.1	275.6	266.9	261.1	250.2	236.7
60°	301.0	366.2	379.0	342.5	294.0	263.6	250.3	243.4	238.8	230.0	219.7
62.5°	257.3	312.8	327.3	301.0	265.6	237.2	226.8	220.1	217.0	209.4	200.3
65°	196.9	243.0	257.0	242.4	223.9	201.1	192.7	186.9	184.2	179.9	173.3
67.5°	148.1	181.7	197.0	186.7	180.1	165.6	160.3	157.2	154.7	151.9	146.2
70°	118.9	143.9	159.6	156.9	151.4	143.9	139.9	137.8	135.3	132.9	128.0
72.5°	95.6	112.7	127.5	129.0	124.5	122.9	119.5	118.6	117.1	114.2	111.5
75°	63.5	75.3	85.6	89.5	91.3	92.8	91.3	91.0	90.7	88.3	86.7
77.5°	41.6	47.9	54.4	61.2	64.0	66.1	66.5	67.7	66.9	65.6	64.9
80°	31.8	33.4	37.9	43.7	48.2	50.1	51.3	51.9	51.6	51.3	50.1
82.5°	23.1	24.4	26.5	30.6	34.4	37.5	38.2	38.0	38.7	38.9	37.9
85°	12.4	12.8	13.4	13.9	16.1	19.4	20.4	20.9	21.5	21.5	19.7
87.5°	7.6	6.7	6.7	6.2	6.4	6.2	7.2	8.0	8.6	8.2	8.6
90°	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0	3.2	5.5	7.8
92.5°	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9	18.3	17.7	17.0
95°	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1	52.8	43.6	34.3
97.5°	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8	120.7	116.5	112.4
100°	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1	176.7	181.2	185.7
102.5°	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9	229.2	232.4	235.7
105°	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6	306.0	308.6	311.0
107.5°	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5	387.5	389.4	391.4
110°	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1	441.9	443.6	445.4





TEST NUMBER: P332422-927

CATALOG NUMBER: S123RDIW-S560D1320U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2	493.8	495.4	497.1
115°	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4	570.8	572.1	573.5
117.5°	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2	645.9	647.5	649.2
120°	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6	692.7	694.7	696.7
122.5°	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9	739.6	741.2	742.9
125°	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6	804.5	806.3	808.1
127.5°	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4	867.2	869.0	870.8
130°	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5	906.3	908.2	910.0
132.5°	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0	943.8	945.6	947.5
135°	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3	1000.6	1002.0	1003.3
137.5°	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1	1049.9	1051.6	1053.3
140°	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8	1082.1	1083.5	1084.8
142.5°	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9	1112.2	1113.6	1115.0
145°	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1	1154.7	1156.3	1157.9
147.5°	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8	1193.8	1194.8	1195.9
150°	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3	1217.9	1218.6	1219.2
152.5°	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2	1239.5	1239.8	1240.2
155°	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2	1269.8	1269.3	1268.8
157.5°	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3	1294.2	1294.2	1294.1
160°	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9	1308.7	1308.4	1308.2
162.5°	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8	1322.2	1321.6	1321.0
165°	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5	1338.8	1338.1	1337.4
167.5°	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5	1351.6	1350.7	1349.8
170°	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9	1358.9	1358.0	1357.2
172.5°	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8	1363.7	1362.6	1361.4
175°	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0	1369.9	1368.8	1367.6
177.5°	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7	1371.7	1370.9	1370.0
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332422-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	696.6	693.5	691.3	686.4	683.3	679.9	676.5	678.7	678.4	678.2	678.2
5°	673.3	666.3	660.0	651.7	646.6	640.2	635.3	634.8	636.0	631.7	629.3
7.5°	650.1	640.6	631.5	622.5	612.9	605.2	600.5	598.3	595.2	592.6	589.8
10°	633.8	622.7	613.8	602.6	592.3	583.2	577.4	573.5	571.3	569.2	565.3
12.5°	617.1	606.1	594.8	582.2	572.4	561.8	557.5	553.1	549.0	546.6	541.2
15°	592.6	578.3	566.5	553.1	542.2	531.9	525.9	517.1	515.8	512.8	507.3
17.5°	568.0	552.5	536.2	526.3	514.0	503.3	494.0	491.1	482.4	479.1	474.4
20°	548.6	534.3	521.9	508.8	490.9	480.9	473.6	469.7	462.7	458.4	455.4
22.5°	531.9	517.3	503.0	487.7	472.9	461.8	456.4	450.3	446.5	440.5	437.2
25°	507.9	492.2	474.8	458.4	447.8	439.3	430.9	425.4	419.9	417.2	411.1
27.5°	480.1	463.7	447.5	435.1	422.0	413.6	405.9	401.1	394.5	389.9	386.6
30°	464.9	445.4	431.5	420.3	403.5	395.7	389.9	383.8	379.0	374.1	370.7
32.5°	447.1	429.4	416.1	402.3	389.4	380.9	373.4	368.0	363.9	359.3	356.0
35°	419.3	404.5	390.8	376.8	367.4	358.6	349.8	345.3	341.4	337.1	334.1
37.5°	394.2	380.3	367.3	354.1	342.5	335.3	328.2	324.7	319.4	316.6	313.5
40°	378.7	365.0	351.1	338.3	326.1	320.8	314.3	309.2	304.4	302.2	298.9
42.5°	361.7	348.0	336.3	322.5	312.6	305.1	299.3	293.7	290.0	286.9	285.0
45°	336.5	324.3	312.8	299.2	289.8	283.4	276.7	271.6	268.2	266.1	262.8
47.5°	312.0	299.9	288.2	276.3	267.2	259.9	253.3	249.6	245.3	242.6	240.3
50°	294.3	283.4	270.9	260.0	251.0	243.7	238.2	233.6	229.7	226.3	224.8
52.5°	278.1	266.4	255.6	245.5	235.9	227.6	222.7	217.9	214.9	211.0	209.3
55°	251.2	240.0	230.9	220.9	211.5	204.5	198.4	194.2	191.2	186.9	184.5
57.5°	226.0	215.9	205.1	196.5	186.7	180.9	175.8	170.0	166.4	163.0	160.7
60°	209.1	197.5	188.1	179.9	171.4	163.8	159.3	154.7	150.8	147.4	145.4
62.5°	191.3	181.3	172.4	163.4	155.7	149.0	143.8	139.9	136.5	134.4	132.2
65°	164.1	156.3	147.2	139.9	132.6	127.8	123.5	120.2	117.7	116.2	114.4
67.5°	139.2	131.5	123.6	116.4	111.5	107.8	105.0	102.2	101.0	99.0	97.8
70°	122.9	115.0	108.1	102.6	97.7	95.0	93.2	91.0	89.8	87.4	86.2
72.5°	105.2	99.5	94.4	89.9	86.0	83.6	81.3	78.7	76.7	74.1	72.8
75°	82.9	77.7	73.8	70.7	68.3	65.0	61.6	58.9	58.0	57.0	56.7
77.5°	61.3	58.1	55.2	52.7	49.7	47.2	46.5	45.9	45.7	45.2	45.2
80°	48.2	45.2	43.1	40.1	38.3	38.3	38.3	37.6	37.9	37.9	37.9
82.5°	35.9	33.0	31.9	30.8	30.5	30.7	30.7	30.8	30.7	31.1	30.9
85°	18.5	18.8	19.4	19.1	19.4	19.4	20.0	19.7	20.0	19.4	20.0
87.5°	8.8	10.1	10.9	11.7	12.5	12.9	13.3	13.5	13.9	14.1	14.3
90°	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2	27.2	28.0	28.8
92.5°	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0	30.4	31.8	32.7
95°	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8	36.4	37.9	38.7
97.5°	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4	38.3	40.0	41.0
100°	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2	39.1	40.9	41.9
102.5°	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8	50.1	44.6	42.0
105°	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9	102.9	62.8	43.0
107.5°	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1	320.8	291.4	261.6
110°	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4	437.0	429.5	409.6



TEST NUMBER: P332422-927

CATALOG NUMBER: S123RDIW-S560D1320U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0	511.1	511.3	507.9
115°	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2	591.4	593.7	595.3
117.5°	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0	661.8	663.6	664.6
120°	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5	708.3	710.1	711.0
122.5°	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9	753.1	754.4	755.1
125°	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8	816.3	816.7	817.1
127.5°	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9	880.6	881.4	881.5
130°	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5	919.5	920.4	920.6
132.5°	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2	956.2	957.0	957.2
135°	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2
137.5°	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3	1061.4	1062.5	1062.8
140°	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7	1092.7	1093.5	1093.8
142.5°	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5	1122.2	1123.0	1123.0
145°	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2	1163.6	1164.0	1164.3
147.5°	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4	1200.9	1201.3	1201.0
150°	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2	1223.7	1224.2	1224.0
152.5°	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5	1244.4	1245.2	1245.1
155°	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5	1272.6	1273.7	1273.6
157.5°	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8	1297.1	1298.5	1298.2
160°	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6	1311.0	1312.3	1312.2
162.5°	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2	1323.7	1325.2	1325.3
165°	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0	1340.8	1342.7	1342.7
167.5°	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7
170°	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0
172.5°	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3	1366.1	1367.9	1367.8
175°	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2	1371.7	1373.3	1373.2
177.5°	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3	1373.8	1375.2	1375.1
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332422-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	675.3	675.0	675.3	674.3	675.3	675.0	675.3	678.2	678.2	678.4	678.7
5°	628.4	628.0	627.2	624.5	627.2	628.0	628.4	629.3	631.7	636.0	634.8
7.5°	587.4	587.0	584.3	584.4	584.3	587.0	587.4	589.8	592.6	595.2	598.3
10°	563.2	563.5	559.8	557.7	559.8	563.5	563.2	565.3	569.2	571.3	573.5
12.5°	539.6	538.2	535.3	532.9	535.3	538.2	539.6	541.2	546.6	549.0	553.1
15°	508.5	505.5	498.2	498.8	498.2	505.5	508.5	507.3	512.8	515.8	517.1
17.5°	471.9	469.7	469.6	465.3	469.6	469.7	471.9	474.4	479.1	482.4	491.1
20°	450.6	449.1	449.6	445.4	449.6	449.1	450.6	455.4	458.4	462.7	469.7
22.5°	433.8	432.3	429.8	428.4	429.8	432.3	433.8	437.2	440.5	446.5	450.3
25°	409.3	406.9	404.5	406.0	404.5	406.9	409.3	411.1	417.2	419.9	425.4
27.5°	384.8	382.9	380.6	380.2	380.6	382.9	384.8	386.6	389.9	394.5	401.1
30°	369.2	367.4	366.2	364.7	366.2	367.4	369.2	370.7	374.1	379.0	383.8
32.5°	353.5	353.2	350.9	350.6	350.9	353.2	353.5	356.0	359.3	363.9	368.0
35°	332.9	331.1	330.4	330.7	330.4	331.1	332.9	334.1	337.1	341.4	345.3
37.5°	313.2	310.9	309.7	308.6	309.7	310.9	313.2	313.5	316.6	319.4	324.7
40°	299.2	296.8	296.1	295.6	296.1	296.8	299.2	298.9	302.2	304.4	309.2
42.5°	283.4	282.4	282.1	281.0	282.1	282.4	283.4	285.0	286.9	290.0	293.7
45°	261.8	261.6	259.8	260.3	259.8	261.6	261.8	262.8	266.1	268.2	271.6
47.5°	239.2	237.8	236.5	237.4	236.5	237.8	239.2	240.3	242.6	245.3	249.6
50°	223.6	223.0	220.3	220.9	220.3	223.0	223.6	224.8	226.3	229.7	233.6
52.5°	208.1	205.8	204.8	204.4	204.8	205.8	208.1	209.3	211.0	214.9	217.9
55°	182.4	179.6	178.4	177.8	178.4	179.6	182.4	184.5	186.9	191.2	194.2
57.5°	157.1	156.4	155.4	156.1	155.4	156.4	157.1	160.7	163.0	166.4	170.0
60°	142.3	142.3	142.3	142.0	142.3	142.3	142.3	145.4	147.4	150.8	154.7
62.5°	130.9	130.2	129.9	130.3	129.9	130.2	130.9	132.2	134.4	136.5	139.9
65°	113.4	113.2	111.9	111.7	111.9	113.2	113.4	114.4	116.2	117.7	120.2
67.5°	97.0	95.9	95.6	95.1	95.6	95.9	97.0	97.8	99.0	101.0	102.2
70°	84.7	84.1	82.2	82.5	82.2	84.1	84.7	86.2	87.4	89.8	91.0
72.5°	71.3	70.7	70.3	69.9	70.3	70.7	71.3	72.8	74.1	76.7	78.7
75°	56.4	56.2	55.8	57.0	55.8	56.2	56.4	56.7	57.0	58.0	58.9
77.5°	45.2	45.2	45.4	44.9	45.4	45.2	45.2	45.2	45.2	45.7	45.9
80°	37.9	37.9	37.6	37.6	37.6	37.9	37.9	37.9	37.9	37.9	37.6
82.5°	30.4	30.7	30.8	30.3	30.8	30.7	30.4	30.9	31.1	30.7	30.8
85°	20.0	19.7	20.4	20.0	20.4	19.7	20.0	20.0	19.4	20.0	19.7
87.5°	14.8	14.4	14.5	14.8	14.5	14.4	14.8	14.3	14.1	13.9	13.5
90°	29.2	29.6	30.1	30.6	30.1	29.6	29.2	28.8	28.0	27.2	26.2
92.5°	33.0	33.3	33.5	33.8	33.5	33.3	33.0	32.7	31.8	30.4	29.0
95°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	37.9	36.4	34.8
97.5°	41.3	41.5	41.7	42.0	41.7	41.5	41.3	41.0	40.0	38.3	36.4
100°	42.1	42.3	42.5	42.8	42.5	42.3	42.1	41.9	40.9	39.1	37.2
102.5°	42.4	42.8	43.2	43.6	43.2	42.8	42.4	42.0	44.6	50.1	55.8
105°	43.5	43.9	44.4	44.8	44.4	43.9	43.5	43.0	62.8	102.9	142.9
107.5°	231.4	201.1	171.0	140.8	171.0	201.1	231.4	261.6	291.4	320.8	350.1
110°	377.2	344.8	312.5	280.1	312.5	344.8	377.2	409.6	429.5	437.0	444.4



TEST NUMBER: P332422-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	501.1	494.2	487.4	480.6	487.4	494.2	501.1	507.9	511.3	511.1	511.0
115°	596.2	597.1	598.0	599.0	598.0	597.1	596.2	595.3	593.7	591.4	589.2
117.5°	664.8	665.0	665.2	665.4	665.2	665.0	664.8	664.6	663.6	661.8	660.0
120°	711.0	711.0	711.0	711.0	711.0	711.0	711.0	711.0	710.1	708.3	706.5
122.5°	755.3	755.4	755.7	755.8	755.7	755.4	755.3	755.1	754.4	753.1	751.9
125°	817.6	818.1	818.5	819.0	818.5	818.1	817.6	817.1	816.7	816.3	815.8
127.5°	881.1	880.6	880.1	879.6	880.1	880.6	881.1	881.5	881.4	880.6	879.9
130°	920.1	919.7	919.2	918.8	919.2	919.7	920.1	920.6	920.4	919.5	918.5
132.5°	956.6	955.9	955.3	954.7	955.3	955.9	956.6	957.2	957.0	956.2	955.2
135°	1011.5	1010.8	1010.1	1009.5	1010.1	1010.8	1011.5	1012.2	1012.2	1011.5	1010.8
137.5°	1062.3	1061.9	1061.4	1061.0	1061.4	1061.9	1062.3	1062.8	1062.5	1061.4	1060.3
140°	1093.3	1092.8	1092.4	1091.9	1092.4	1092.8	1093.3	1093.8	1093.5	1092.7	1091.7
142.5°	1122.4	1121.7	1121.1	1120.5	1121.1	1121.7	1122.4	1123.0	1123.0	1122.2	1121.5
145°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.0	1163.6	1163.2
147.5°	1200.0	1199.0	1197.9	1196.8	1197.9	1199.0	1200.0	1201.0	1201.3	1200.9	1200.4
150°	1223.4	1222.7	1222.0	1221.3	1222.0	1222.7	1223.4	1224.0	1224.2	1223.7	1223.2
152.5°	1244.0	1242.9	1241.9	1240.9	1241.9	1242.9	1244.0	1245.1	1245.2	1244.4	1243.5
155°	1272.2	1270.9	1269.6	1268.2	1269.6	1270.9	1272.2	1273.6	1273.7	1272.6	1271.5
157.5°	1296.5	1294.7	1292.9	1291.2	1292.9	1294.7	1296.5	1298.2	1298.5	1297.1	1295.8
160°	1310.6	1309.0	1307.4	1305.8	1307.4	1309.0	1310.6	1312.2	1312.3	1311.0	1309.6
162.5°	1323.9	1322.5	1321.1	1319.7	1321.1	1322.5	1323.9	1325.3	1325.2	1323.7	1322.2
165°	1341.2	1339.6	1338.0	1336.4	1338.0	1339.6	1341.2	1342.7	1342.7	1340.8	1339.0
167.5°	1353.8	1352.1	1350.3	1348.5	1350.3	1352.1	1353.8	1355.7	1355.7	1353.8	1352.1
170°	1361.2	1359.4	1357.6	1355.7	1357.6	1359.4	1361.2	1363.0	1363.0	1361.2	1359.4
172.5°	1365.8	1363.8	1361.8	1359.9	1361.8	1363.8	1365.8	1367.8	1367.9	1366.1	1364.3
175°	1371.4	1369.6	1367.8	1366.0	1367.8	1369.6	1371.4	1373.2	1373.3	1371.7	1370.2
177.5°	1373.2	1371.4	1369.6	1367.8	1369.6	1371.4	1373.2	1375.1	1375.2	1373.8	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332422-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	676.5	679.9	683.3	686.4	691.3	693.5	696.6	697.8	701.5	706.9	711.2
5°	635.3	640.2	646.6	651.7	660.0	666.3	673.3	679.9	687.9	699.1	709.1
7.5°	600.5	605.2	612.9	622.5	631.5	640.6	650.1	659.2	670.5	686.6	702.5
10°	577.4	583.2	592.3	602.6	613.8	622.7	633.8	645.4	659.3	677.9	697.0
12.5°	557.5	561.8	572.4	582.2	594.8	606.1	617.1	630.6	646.5	666.2	689.2
15°	525.9	531.9	542.2	553.1	566.5	578.3	592.6	609.0	624.5	648.7	676.6
17.5°	494.0	503.3	514.0	526.3	536.2	552.5	568.0	584.8	603.9	629.6	660.2
20°	473.6	480.9	490.9	508.8	521.9	534.3	548.6	569.5	587.1	616.2	648.1
22.5°	456.4	461.8	472.9	487.7	503.0	517.3	531.9	551.8	573.5	601.2	635.7
25°	430.9	439.3	447.8	458.4	474.8	492.2	507.9	524.9	548.0	577.4	614.7
27.5°	405.9	413.6	422.0	435.1	447.5	463.7	480.1	499.6	524.3	555.5	593.3
30°	389.9	395.7	403.5	420.3	431.5	445.4	464.9	482.1	505.2	538.3	578.3
32.5°	373.4	380.9	389.4	402.3	416.1	429.4	447.1	465.9	489.4	522.0	563.0
35°	349.8	358.6	367.4	376.8	390.8	404.5	419.3	440.0	463.9	495.5	535.8
37.5°	328.2	335.3	342.5	354.1	367.3	380.3	394.2	414.5	437.1	471.2	508.2
40°	314.3	320.8	326.1	338.3	351.1	365.0	378.7	396.6	420.8	452.7	488.5
42.5°	299.3	305.1	312.6	322.5	336.3	348.0	361.7	378.6	401.4	433.8	465.2
45°	276.7	283.4	289.8	299.2	312.8	324.3	336.5	352.6	376.0	402.7	430.6
47.5°	253.3	259.9	267.2	276.3	288.2	299.9	312.0	326.3	347.6	373.8	392.6
50°	238.2	243.7	251.0	260.0	270.9	283.4	294.3	309.8	330.1	350.8	367.2
52.5°	222.7	227.6	235.9	245.5	255.6	266.4	278.1	291.4	309.7	329.2	342.1
55°	198.4	204.5	211.5	220.9	230.9	240.0	251.2	264.9	279.5	294.0	302.9
57.5°	175.8	180.9	186.7	196.5	205.1	215.9	226.0	236.7	250.2	261.1	266.9
60°	159.3	163.8	171.4	179.9	188.1	197.5	209.1	219.7	230.0	238.8	243.4
62.5°	143.8	149.0	155.7	163.4	172.4	181.3	191.3	200.3	209.4	217.0	220.1
65°	123.5	127.8	132.6	139.9	147.2	156.3	164.1	173.3	179.9	184.2	186.9
67.5°	105.0	107.8	111.5	116.4	123.6	131.5	139.2	146.2	151.9	154.7	157.2
70°	93.2	95.0	97.7	102.6	108.1	115.0	122.9	128.0	132.9	135.3	137.8
72.5°	81.3	83.6	86.0	89.9	94.4	99.5	105.2	111.5	114.2	117.1	118.6
75°	61.6	65.0	68.3	70.7	73.8	77.7	82.9	86.7	88.3	90.7	91.0
77.5°	46.5	47.2	49.7	52.7	55.2	58.1	61.3	64.9	65.6	66.9	67.7
80°	38.3	38.3	38.3	40.1	43.1	45.2	48.2	50.1	51.3	51.6	51.9
82.5°	30.7	30.7	30.5	30.8	31.9	33.0	35.9	37.9	38.9	38.7	38.0
85°	20.0	19.4	19.4	19.1	19.4	18.8	18.5	19.7	21.5	21.5	20.9
87.5°	13.3	12.9	12.5	11.7	10.9	10.1	8.8	8.6	8.2	8.6	8.0
90°	25.3	24.5	21.5	18.5	15.6	12.7	10.1	7.8	5.5	3.2	1.0
92.5°	27.5	26.1	23.8	21.6	19.4	17.2	16.4	17.0	17.7	18.3	18.9
95°	33.2	31.6	29.1	26.6	24.1	21.6	25.0	34.3	43.6	52.8	62.1
97.5°	34.6	32.8	49.1	65.4	81.7	98.0	108.2	112.4	116.5	120.7	124.8
100°	35.4	33.6	68.9	104.3	139.6	174.8	190.3	185.7	181.2	176.7	172.1
102.5°	61.4	67.0	105.6	144.2	182.8	221.3	239.0	235.7	232.4	229.2	225.9
105°	183.0	223.1	243.4	263.8	284.2	304.6	313.5	311.0	308.6	306.0	303.6
107.5°	379.5	408.8	405.7	402.4	399.3	396.0	393.4	391.4	389.4	387.5	385.5
110°	451.9	459.4	456.9	454.4	451.9	449.4	447.3	445.4	443.6	441.9	440.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	510.9	510.7	508.3	505.7	503.3	500.7	498.7	497.1	495.4	493.8	492.2
115°	586.9	584.7	582.7	580.6	578.5	576.6	574.8	573.5	572.1	570.8	569.4
117.5°	658.2	656.4	655.4	654.3	653.2	652.2	650.9	649.2	647.5	645.9	644.2
120°	704.6	702.8	702.2	701.5	700.8	700.1	698.8	696.7	694.7	692.7	690.6
122.5°	750.6	749.3	748.5	747.6	746.7	745.8	744.6	742.9	741.2	739.6	737.9
125°	815.3	814.9	814.0	813.1	812.1	811.3	809.9	808.1	806.3	804.5	802.6
127.5°	879.2	878.5	877.3	876.3	875.2	874.1	872.7	870.8	869.0	867.2	865.4
130°	917.7	916.7	915.8	915.0	914.0	913.1	911.8	910.0	908.2	906.3	904.5
132.5°	954.3	953.4	952.7	952.0	951.3	950.5	949.3	947.5	945.6	943.8	942.0
135°	1010.1	1009.5	1008.5	1007.7	1006.7	1005.8	1004.7	1003.3	1002.0	1000.6	999.3
137.5°	1059.2	1058.1	1057.6	1057.2	1056.6	1056.1	1055.0	1053.3	1051.6	1049.9	1048.1
140°	1090.8	1089.9	1089.3	1088.5	1087.9	1087.2	1086.2	1084.8	1083.5	1082.1	1080.8
142.5°	1120.8	1120.1	1119.4	1118.7	1118.0	1117.4	1116.3	1115.0	1113.6	1112.2	1110.9
145°	1162.7	1162.2	1161.8	1161.3	1160.9	1160.4	1159.4	1157.9	1156.3	1154.7	1153.1
147.5°	1200.0	1199.5	1199.0	1198.6	1198.2	1197.7	1197.0	1195.9	1194.8	1193.8	1192.8
150°	1222.8	1222.3	1221.9	1221.4	1221.0	1220.5	1220.0	1219.2	1218.6	1217.9	1217.3
152.5°	1242.7	1241.9	1241.6	1241.3	1241.1	1240.8	1240.5	1240.2	1239.8	1239.5	1239.2
155°	1270.3	1269.2	1269.0	1268.8	1268.5	1268.3	1268.4	1268.8	1269.3	1269.8	1270.2
157.5°	1294.3	1293.0	1293.2	1293.5	1293.7	1294.0	1294.0	1294.1	1294.2	1294.2	1294.3
160°	1308.2	1306.9	1307.1	1307.3	1307.6	1307.8	1308.0	1308.2	1308.4	1308.7	1308.9
162.5°	1320.6	1319.1	1319.3	1319.5	1319.8	1320.0	1320.4	1321.0	1321.6	1322.2	1322.8
165°	1337.2	1335.4	1335.6	1335.9	1336.1	1336.3	1336.7	1337.4	1338.1	1338.8	1339.5
167.5°	1350.3	1348.5	1348.5	1348.5	1348.5	1348.5	1348.8	1349.8	1350.7	1351.6	1352.5
170°	1357.6	1355.7	1355.7	1355.7	1355.7	1355.7	1356.2	1357.2	1358.0	1358.9	1359.9
172.5°	1362.5	1360.7	1360.5	1360.3	1360.1	1359.9	1360.4	1361.4	1362.6	1363.7	1364.8
175°	1368.6	1367.0	1366.8	1366.5	1366.3	1366.0	1366.5	1367.6	1368.8	1369.9	1371.0
177.5°	1370.9	1369.4	1369.2	1369.0	1368.9	1368.7	1369.0	1370.0	1370.9	1371.7	1372.7
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



TEST NUMBER: P332422-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	712.6	715.3	718.7	723.8	727.7	731.1	731.8	732.8	735.2	739.3	742.5
5°	717.3	724.3	735.5	746.4	758.3	767.9	777.1	783.5	789.5	802.2	812.5
7.5°	715.8	731.3	748.9	768.6	788.4	807.6	825.5	841.5	857.4	875.9	897.1
10°	714.9	733.1	756.7	781.9	809.5	836.5	862.6	883.0	906.7	927.9	954.9
12.5°	710.3	736.5	764.8	796.9	830.9	862.1	896.4	924.5	951.5	982.2	1013.6
15°	704.3	736.1	771.9	814.7	866.3	903.9	939.1	987.9	1021.3	1054.7	1099.6
17.5°	693.2	732.1	776.9	832.4	875.5	926.1	979.0	1017.6	1062.6	1109.6	1150.2
20°	684.5	729.8	779.8	834.4	889.3	944.3	995.5	1041.6	1088.1	1142.4	1175.8
22.5°	675.8	720.5	772.5	830.5	889.5	947.4	1005.4	1059.6	1111.8	1166.6	1209.3
25°	657.2	710.3	766.8	825.9	884.2	947.8	1017.1	1077.4	1142.1	1198.5	1238.9
27.5°	638.4	687.1	743.2	803.3	868.0	943.3	1024.7	1093.4	1158.1	1198.5	1211.2
30°	621.4	673.0	724.5	785.5	855.6	939.7	1026.2	1104.8	1157.9	1175.4	1162.4
32.5°	604.2	650.9	702.0	764.5	838.9	930.7	1028.1	1098.0	1130.0	1116.5	1063.3
35°	573.8	615.9	665.4	727.9	813.5	925.7	1020.1	1067.5	1059.5	983.7	883.5
37.5°	541.2	575.6	621.4	686.7	787.1	906.0	985.6	992.6	924.3	807.9	692.2
40°	515.5	546.4	593.5	661.8	766.8	886.6	950.9	922.7	816.8	687.2	590.7
42.5°	490.5	516.6	561.9	635.6	747.3	860.2	899.2	837.7	715.6	593.0	505.3
45°	448.1	472.7	518.2	593.8	707.6	809.5	804.4	697.6	575.3	476.7	403.9
47.5°	408.0	429.4	472.2	549.3	660.9	733.6	685.4	571.8	468.0	389.0	337.0
50°	379.6	400.8	443.3	519.4	623.5	676.6	607.8	498.2	403.2	337.7	296.4
52.5°	352.4	373.1	412.0	486.2	578.4	610.1	536.1	434.6	355.5	298.9	263.4
55°	314.3	330.1	365.0	436.0	504.9	512.1	437.2	352.3	287.0	247.6	223.3
57.5°	275.6	289.1	323.6	380.2	428.5	424.7	353.6	280.2	236.2	206.9	189.3
60°	250.3	263.6	294.0	342.5	379.0	366.2	301.0	241.9	204.2	182.7	168.7
62.5°	226.8	237.2	265.6	301.0	327.3	312.8	257.3	208.3	178.5	160.3	149.2
65°	192.7	201.1	223.9	242.4	257.0	243.0	196.9	163.0	141.4	128.7	121.0
67.5°	160.3	165.6	180.1	186.7	197.0	181.7	148.1	125.3	113.0	102.3	97.0
70°	139.9	143.9	151.4	156.9	159.6	143.9	118.9	102.3	92.0	84.4	81.0
72.5°	119.5	122.9	124.5	129.0	127.5	112.7	95.6	82.4	74.9	69.8	65.5
75°	91.3	92.8	91.3	89.5	85.6	75.3	63.5	56.7	51.3	48.9	47.4
77.5°	66.5	66.1	64.0	61.2	54.4	47.9	41.6	39.3	37.0	35.6	35.2
80°	51.3	50.1	48.2	43.7	37.9	33.4	31.8	30.3	29.5	27.9	27.6
82.5°	38.2	37.5	34.4	30.6	26.5	24.4	23.1	22.6	21.6	20.9	20.8
85°	20.4	19.4	16.1	13.9	13.4	12.8	12.4	12.4	11.2	10.9	10.9
87.5°	7.2	6.2	6.4	6.2	6.7	6.7	7.6	7.7	8.1	8.5	8.2
90°	3.2	5.5	7.8	10.1	12.7	15.6	18.5	21.5	24.5	25.3	26.2
92.5°	18.3	17.7	17.0	16.4	17.2	19.4	21.6	23.8	26.1	27.5	29.0
95°	52.8	43.6	34.3	25.0	21.6	24.1	26.6	29.1	31.6	33.2	34.8
97.5°	120.7	116.5	112.4	108.2	98.0	81.7	65.4	49.1	32.8	34.6	36.4
100°	176.7	181.2	185.7	190.3	174.8	139.6	104.3	68.9	33.6	35.4	37.2
102.5°	229.2	232.4	235.7	239.0	221.3	182.8	144.2	105.6	67.0	61.4	55.8
105°	306.0	308.6	311.0	313.5	304.6	284.2	263.8	243.4	223.1	183.0	142.9
107.5°	387.5	389.4	391.4	393.4	396.0	399.3	402.4	405.7	408.8	379.5	350.1
110°	441.9	443.6	445.4	447.3	449.4	451.9	454.4	456.9	459.4	451.9	444.4





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	493.8	495.4	497.1	498.7	500.7	503.3	505.7	508.3	510.7	510.9	511.0
115°	570.8	572.1	573.5	574.8	576.6	578.5	580.6	582.7	584.7	586.9	589.2
117.5°	645.9	647.5	649.2	650.9	652.2	653.2	654.3	655.4	656.4	658.2	660.0
120°	692.7	694.7	696.7	698.8	700.1	700.8	701.5	702.2	702.8	704.6	706.5
122.5°	739.6	741.2	742.9	744.6	745.8	746.7	747.6	748.5	749.3	750.6	751.9
125°	804.5	806.3	808.1	809.9	811.3	812.1	813.1	814.0	814.9	815.3	815.8
127.5°	867.2	869.0	870.8	872.7	874.1	875.2	876.3	877.3	878.5	879.2	879.9
130°	906.3	908.2	910.0	911.8	913.1	914.0	915.0	915.8	916.7	917.7	918.5
132.5°	943.8	945.6	947.5	949.3	950.5	951.3	952.0	952.7	953.4	954.3	955.2
135°	1000.6	1002.0	1003.3	1004.7	1005.8	1006.7	1007.7	1008.5	1009.5	1010.1	1010.8
137.5°	1049.9	1051.6	1053.3	1055.0	1056.1	1056.6	1057.2	1057.6	1058.1	1059.2	1060.3
140°	1082.1	1083.5	1084.8	1086.2	1087.2	1087.9	1088.5	1089.3	1089.9	1090.8	1091.7
142.5°	1112.2	1113.6	1115.0	1116.3	1117.4	1118.0	1118.7	1119.4	1120.1	1120.8	1121.5
145°	1154.7	1156.3	1157.9	1159.4	1160.4	1160.9	1161.3	1161.8	1162.2	1162.7	1163.2
147.5°	1193.8	1194.8	1195.9	1197.0	1197.7	1198.2	1198.6	1199.0	1199.5	1200.0	1200.4
150°	1217.9	1218.6	1219.2	1220.0	1220.5	1221.0	1221.4	1221.9	1222.3	1222.8	1223.2
152.5°	1239.5	1239.8	1240.2	1240.5	1240.8	1241.1	1241.3	1241.6	1241.9	1242.7	1243.5
155°	1269.8	1269.3	1268.8	1268.4	1268.3	1268.5	1268.8	1269.0	1269.2	1270.3	1271.5
157.5°	1294.2	1294.2	1294.1	1294.0	1294.0	1293.7	1293.5	1293.2	1293.0	1294.3	1295.8
160°	1308.7	1308.4	1308.2	1308.0	1307.8	1307.6	1307.3	1307.1	1306.9	1308.2	1309.6
162.5°	1322.2	1321.6	1321.0	1320.4	1320.0	1319.8	1319.5	1319.3	1319.1	1320.6	1322.2
165°	1338.8	1338.1	1337.4	1336.7	1336.3	1336.1	1335.9	1335.6	1335.4	1337.2	1339.0
167.5°	1351.6	1350.7	1349.8	1348.8	1348.5	1348.5	1348.5	1348.5	1348.5	1350.3	1352.1
170°	1358.9	1358.0	1357.2	1356.2	1355.7	1355.7	1355.7	1355.7	1355.7	1357.6	1359.4
172.5°	1363.7	1362.6	1361.4	1360.4	1359.9	1360.1	1360.3	1360.5	1360.7	1362.5	1364.3
175°	1369.9	1368.8	1367.6	1366.5	1366.0	1366.3	1366.5	1366.8	1367.0	1368.6	1370.2
177.5°	1371.7	1370.9	1370.0	1369.0	1368.7	1368.9	1369.0	1369.2	1369.4	1370.9	1372.3
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	747.7	747.7	748.6	752.3	752.7	755.9	754.9
5°	821.7	827.4	829.6	838.7	844.1	846.5	841.7
7.5°	912.2	928.4	936.2	945.7	954.1	956.7	950.1
10°	978.3	995.2	1009.5	1018.3	1026.5	1031.9	1038.9
12.5°	1042.0	1063.0	1076.5	1088.9	1097.3	1104.3	1105.4
15°	1111.4	1143.0	1167.0	1184.6	1193.3	1197.9	1196.1
17.5°	1181.4	1210.6	1227.7	1245.6	1257.8	1258.5	1258.9
20°	1221.0	1249.5	1269.2	1282.5	1296.2	1295.6	1298.6
22.5°	1247.4	1269.9	1285.0	1294.7	1299.3	1297.0	1297.7
25°	1259.8	1266.5	1263.8	1248.2	1244.4	1230.1	1232.5
27.5°	1196.0	1164.4	1131.8	1089.7	1056.6	1030.2	1031.5
30°	1109.3	1053.4	989.8	936.4	888.4	875.0	846.5
32.5°	988.2	904.4	829.8	780.1	738.9	727.7	702.8
35°	782.8	701.5	624.7	578.6	560.4	535.0	534.6
37.5°	608.5	536.9	496.3	461.7	443.5	428.1	426.6
40°	511.9	456.1	425.4	400.5	382.6	371.1	368.4
42.5°	444.4	399.3	370.5	355.1	341.4	335.4	331.0
45°	362.9	332.6	312.5	298.6	292.2	287.6	285.2
47.5°	303.6	283.2	269.6	260.3	255.1	250.3	251.6
50°	271.2	254.6	244.5	235.8	231.8	228.5	228.8
52.5°	245.3	230.3	222.2	215.9	211.0	208.6	207.4
55°	208.2	198.8	190.5	186.0	183.2	179.9	179.0
57.5°	177.5	170.2	163.6	158.4	157.8	154.6	155.0
60°	157.2	151.1	145.6	142.9	140.8	138.1	138.9
62.5°	140.5	135.3	130.3	128.1	126.0	124.0	124.4
65°	115.0	110.1	107.1	105.9	105.0	104.1	103.1
67.5°	91.7	88.6	86.7	84.1	82.3	82.0	81.0
70°	77.1	73.1	69.8	66.5	65.5	65.2	65.5
72.5°	61.8	59.3	58.4	56.7	56.6	55.8	56.3
75°	46.4	45.6	44.9	43.7	43.7	43.7	43.7
77.5°	34.2	33.7	33.4	33.0	32.8	32.3	32.3
80°	26.7	26.4	25.8	25.8	25.5	25.8	25.5
82.5°	20.1	20.1	19.5	19.5	19.2	19.0	19.2
85°	10.3	10.0	10.6	10.0	10.3	9.7	10.3
87.5°	8.3	8.6	8.4	8.5	8.4	9.0	8.6
90°	27.2	28.0	28.8	29.2	29.6	30.1	30.6
92.5°	30.4	31.8	32.7	33.0	33.3	33.5	33.8
95°	36.4	37.9	38.7	38.7	38.7	38.7	38.7
97.5°	38.3	40.0	41.0	41.3	41.5	41.7	42.0
100°	39.1	40.9	41.9	42.1	42.3	42.5	42.8
102.5°	50.1	44.6	42.0	42.4	42.8	43.2	43.6
105°	102.9	62.8	43.0	43.5	43.9	44.4	44.8
107.5°	320.8	291.4	261.6	231.4	201.1	171.0	140.8
110°	437.0	429.5	409.6	377.2	344.8	312.5	280.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	511.1	511.3	507.9	501.1	494.2	487.4	480.6
115°	591.4	593.7	595.3	596.2	597.1	598.0	599.0
117.5°	661.8	663.6	664.6	664.8	665.0	665.2	665.4
120°	708.3	710.1	711.0	711.0	711.0	711.0	711.0
122.5°	753.1	754.4	755.1	755.3	755.4	755.7	755.8
125°	816.3	816.7	817.1	817.6	818.1	818.5	819.0
127.5°	880.6	881.4	881.5	881.1	880.6	880.1	879.6
130°	919.5	920.4	920.6	920.1	919.7	919.2	918.8
132.5°	956.2	957.0	957.2	956.6	955.9	955.3	954.7
135°	1011.5	1012.2	1012.2	1011.5	1010.8	1010.1	1009.5
137.5°	1061.4	1062.5	1062.8	1062.3	1061.9	1061.4	1061.0
140°	1092.7	1093.5	1093.8	1093.3	1092.8	1092.4	1091.9
142.5°	1122.2	1123.0	1123.0	1122.4	1121.7	1121.1	1120.5
145°	1163.6	1164.0	1164.3	1164.3	1164.3	1164.3	1164.3
147.5°	1200.9	1201.3	1201.0	1200.0	1199.0	1197.9	1196.8
150°	1223.7	1224.2	1224.0	1223.4	1222.7	1222.0	1221.3
152.5°	1244.4	1245.2	1245.1	1244.0	1242.9	1241.9	1240.9
155°	1272.6	1273.7	1273.6	1272.2	1270.9	1269.6	1268.2
157.5°	1297.1	1298.5	1298.2	1296.5	1294.7	1292.9	1291.2
160°	1311.0	1312.3	1312.2	1310.6	1309.0	1307.4	1305.8
162.5°	1323.7	1325.2	1325.3	1323.9	1322.5	1321.1	1319.7
165°	1340.8	1342.7	1342.7	1341.2	1339.6	1338.0	1336.4
167.5°	1353.8	1355.7	1355.7	1353.8	1352.1	1350.3	1348.5
170°	1361.2	1363.0	1363.0	1361.2	1359.4	1357.6	1355.7
172.5°	1366.1	1367.9	1367.8	1365.8	1363.8	1361.8	1359.9
175°	1371.7	1373.3	1373.2	1371.4	1369.6	1367.8	1366.0
177.5°	1373.8	1375.2	1375.1	1373.2	1371.4	1369.6	1367.8
180°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0

(END OF REPORT)