

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: P332427-927

Luminaire Tested: **S123RDIW-S560D1535U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332427-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIW-S560D1535U927-4F0-1E-UDD-A1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1535 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5982.6 lumens
Efficiency: N/A
Efficacy: 98.7 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

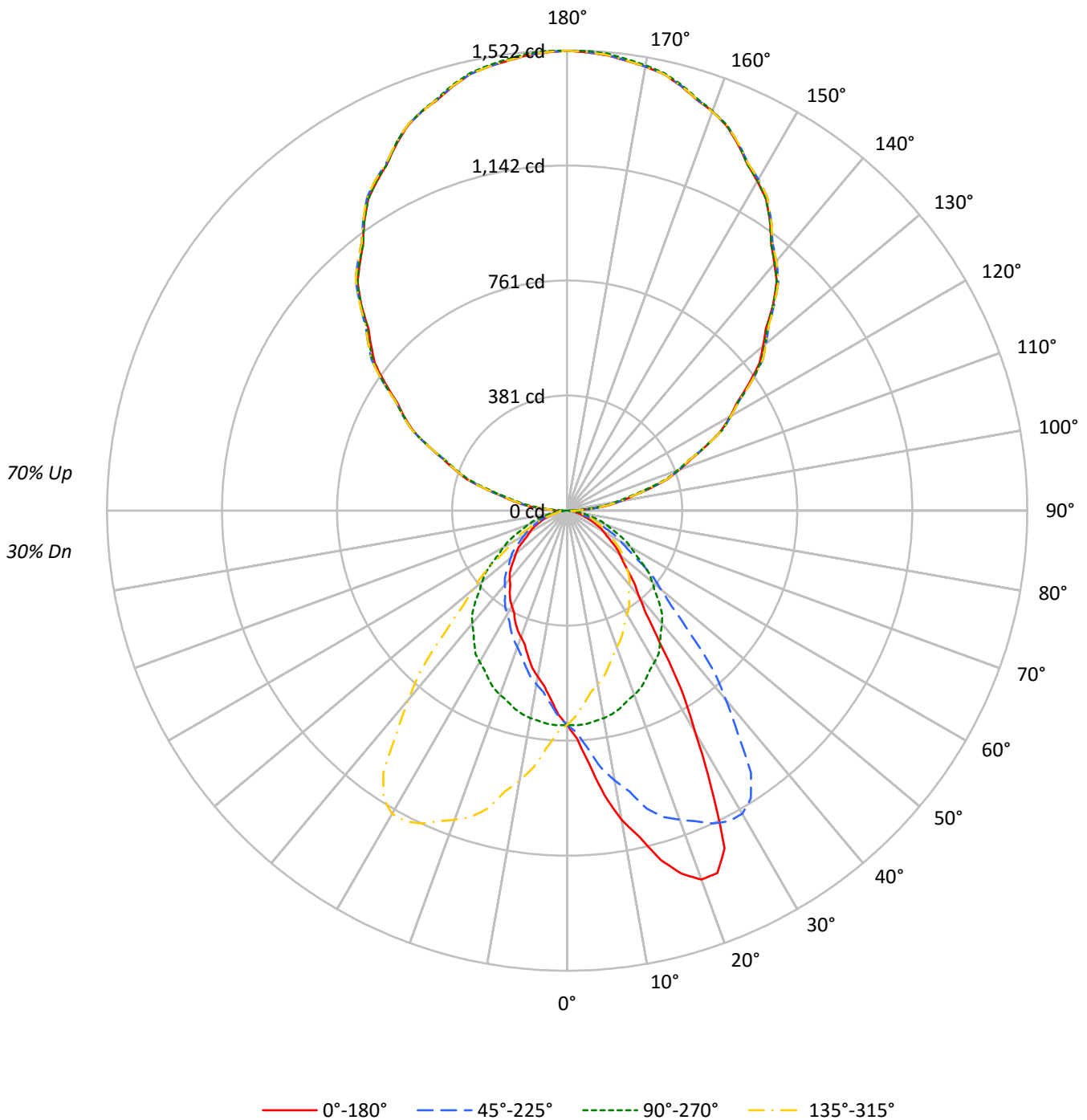
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	30
1	94	89	86	83	84	80	77	75	63	61	60	48	47	45	33	33	32	26
2	85	78	73	68	76	71	66	62	56	53	50	42	40	38	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	49	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	14	12
8	52	40	33	28	46	36	30	26	29	25	21	23	20	17	17	15	13	10
9	48	37	29	25	43	33	27	23	27	22	19	21	18	15	15	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	3.6
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°	23.5	0.4
90°-100°	99.1	1.7
100°-110°	296.5	5.0
110°-120°	504.3	8.4
120°-130°	663.4	11.1
130°-140°	745.6	12.5
140°-150°	732.9	12.3
150°-160°	617.0	10.3
160°-170°	410.7	6.9
170°-180°	143.8	2.4
0°-30°	629.6	10.5
0°-40°	986.5	16.5
0°-60°	1524.8	25.5
0°-90°	1769.3	29.6
90°-120°	899.9	15.0
90°-150°	3041.8	50.8
90°-180°	4213.0	70.4
0°-180°	5982.6	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°	36	1	36	1	36	18
95°	93	70	93	70	93	96
105°	284	269	284	269	284	302
115°	509	508	509	508	509	504
125°	735	743	735	743	735	657
135°	963	964	963	964	963	740
145°	1170	1170	1170	1170	1170	730
155°	1337	1339	1337	1339	1337	615
165°	1454	1459	1454	1459	1454	410
175°	1511	1517	1511	1517	1511	144
180°	1521	1521	1521	1521	1521	



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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°	9.6	10.0	9.3	9.5	9.4	9.5	9.3	9.1	9.3	8.9	8.5
90°	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8	29.7	28.7	25.2
92.5°	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5	46.7	45.9	43.9
95°	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5	89.4	88.4	86.3
97.5°	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8	139.6	138.3	136.8
100°	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2	176.4	175.6	174.3
102.5°	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3	218.5	217.6	215.9
105°	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9	281.9	281.9	279.6
107.5°	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8	349.0	348.1	347.1
110°	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1	394.1	393.0	392.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5	439.2	437.9	437.8
115°	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5	509.1	508.9	509.5
117.5°	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0	579.1	579.2	579.8
120°	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4	625.7	626.0	627.2
122.5°	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3	673.0	673.8	674.5
125°	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1	743.1	744.3	744.7
127.5°	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0	812.5	814.0	814.6
130°	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7	857.9	858.9	859.7
132.5°	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3	902.5	903.8	904.4
135°	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9	968.9	970.0	970.3
137.5°	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0	1034.1	1035.2	1034.5
140°	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0
142.5°	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9	1116.2	1116.4	1115.9
145°	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9	1175.2	1175.4	1174.6
147.5°	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0	1265.0	1265.0	1264.5
152.5°	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5	1296.1	1295.6	1295.3
155°	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4	1341.4	1340.3	1340.1
157.5°	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0	1380.9	1379.7	1379.5
160°	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3	1404.9	1403.6	1403.6
162.5°	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2	1427.9	1426.6	1426.3
165°	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2	1456.6	1455.0	1455.0
167.5°	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4	1478.2
170°	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8	1490.8
172.5°	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6	1503.0	1501.3	1501.3
175°	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5	1513.9	1512.4	1512.4
177.5°	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4	1519.1	1517.8	1517.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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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°	8.2	7.3	7.1	6.5	6.7	6.4	7.3	8.0	8.8	8.3	8.9
90°	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2	3.9	6.5	9.2
92.5°	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9	30.7	32.5	34.3
95°	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5	72.3	74.2	76.0
97.5°	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2	126.6	127.9	129.4
100°	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5	164.1	165.6	167.2
102.5°	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5	206.4	207.4	208.3
105°	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8	269.3	269.8	270.4
107.5°	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4	342.7	343.0	343.3
110°	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2	388.8	389.3	389.8



TEST NUMBER: P332427-927

CATALOG NUMBER: S123RDIW-S560D1535U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0	436.3	436.7	437.0
115°	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7	508.5	509.3	510.1
117.5°	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9	580.4	580.9	581.5
120°	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8	626.4	628.0	629.5
122.5°	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6	672.7	673.9	675.1
125°	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0	743.8	744.7	745.4
127.5°	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0	810.6	812.4	814.0
130°	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9	855.1	857.1	859.3
132.5°	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9	899.0	901.1	903.2
135°	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0	965.6	967.2	968.8
137.5°	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1	1027.5	1028.8	1030.2
140°	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1	1070.5	1071.8	1073.1
142.5°	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3	1109.6	1111.0	1112.3
145°	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5	1170.1	1170.5	1171.1
147.5°	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0	1223.9	1224.9	1225.9
150°	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3	1260.8	1261.3	1261.9
152.5°	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9	1291.6	1292.4	1293.1
155°	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2	1379.9	1379.6	1379.3
160°	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0	1405.5	1404.9	1404.4
162.5°	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9	1428.2	1427.4	1426.7
165°	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6	1457.8	1457.0	1456.2
167.5°	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3	1481.1	1480.1	1479.0
170°	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6	1494.5	1493.5	1492.4
172.5°	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1	1505.1	1504.0	1502.9
175°	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1	1516.1	1515.0	1513.9
177.5°	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6	1520.8	1520.0	1519.1
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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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°	9.2	10.5	11.4	12.4	13.3	13.7	14.2	14.4	14.9	15.1	15.2
90°	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8	31.8	33.0	33.7
92.5°	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5	48.4	49.3	49.5
95°	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5	91.6	92.6	93.2
97.5°	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8	142.0	143.2	143.8
100°	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2	178.0	178.8	179.4
102.5°	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3	220.1	220.9	221.2
105°	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9	281.9	281.9	282.2
107.5°	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8	350.6	351.5	351.7
110°	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1	396.2	397.3	397.5



TEST NUMBER: P332427-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5	441.7	443.0	443.6
115°	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5	509.7	509.9	509.9
117.5°	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0	579.0	578.9	578.5
120°	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4	625.2	624.9	624.5
122.5°	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3	671.7	671.0	670.3
125°	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1	741.0	740.0	738.9
127.5°	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0	809.5	808.0	806.7
130°	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7	855.7	854.7	853.2
132.5°	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3	900.0	898.7	897.4
135°	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9	966.8	965.7	965.0
137.5°	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0	1031.9	1030.8	1029.7
140°	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.2
142.5°	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9	1115.6	1115.4	1114.5
145°	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9	1174.6	1174.4	1173.7
147.5°	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7	1230.7	1230.7	1229.9
150°	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0	1265.0	1265.0	1264.2
152.5°	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5	1296.9	1297.4	1296.9
155°	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4	1343.5	1344.6	1344.2
157.5°	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0	1383.1	1384.2	1384.0
160°	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3	1407.6	1408.9	1409.1
162.5°	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2	1430.5	1431.9	1431.7
165°	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2	1459.8	1461.3	1461.3
167.5°	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9
170°	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3
172.5°	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6	1506.3	1507.9	1507.8
175°	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5	1517.1	1518.7	1518.5
177.5°	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4	1521.6	1522.9	1522.8
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



TEST NUMBER: P332427-927

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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°	15.8	15.4	15.5	15.9	15.5	15.4	15.8	15.2	15.1	14.9	14.4
90°	34.2	34.8	35.3	35.8	35.3	34.8	34.2	33.7	33.0	31.8	30.8
92.5°	49.2	48.9	48.6	48.2	48.6	48.9	49.2	49.5	49.3	48.4	47.5
95°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	92.6	91.6	90.5
97.5°	143.7	143.5	143.5	143.4	143.5	143.5	143.7	143.8	143.2	142.0	140.8
100°	180.0	180.5	181.0	181.6	181.0	180.5	180.0	179.4	178.8	178.0	177.2
102.5°	221.1	220.9	220.9	220.8	220.9	220.9	221.1	221.2	220.9	220.1	219.3
105°	282.7	283.3	283.8	284.3	283.8	283.3	282.7	282.2	281.9	281.9	281.9
107.5°	351.4	351.1	350.8	350.5	350.8	351.1	351.4	351.7	351.5	350.6	349.8
110°	397.0	396.5	395.9	395.4	395.9	396.5	397.0	397.5	397.3	396.2	395.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	443.5	443.4	443.3	443.1	443.3	443.4	443.5	443.6	443.0	441.7	440.5
115°	509.7	509.5	509.1	508.9	509.1	509.5	509.7	509.9	509.9	509.7	509.5
117.5°	577.7	577.0	576.3	575.5	576.3	577.0	577.7	578.5	578.9	579.0	579.0
120°	624.0	623.4	622.9	622.3	622.9	623.4	624.0	624.5	624.9	625.2	625.4
122.5°	669.6	668.8	668.0	667.3	668.0	668.8	669.6	670.3	671.0	671.7	672.3
125°	737.8	736.8	735.7	734.7	735.7	736.8	737.8	738.9	740.0	741.0	742.1
127.5°	805.5	804.2	803.0	801.8	803.0	804.2	805.5	806.7	808.0	809.5	811.0
130°	851.4	849.5	847.6	845.7	847.6	849.5	851.4	853.2	854.7	855.7	856.7
132.5°	896.0	894.5	893.0	891.6	893.0	894.5	896.0	897.4	898.7	900.0	901.3
135°	964.4	963.8	963.4	962.8	963.4	963.8	964.4	965.0	965.7	966.8	967.9
137.5°	1028.6	1027.7	1026.7	1025.6	1026.7	1027.7	1028.6	1029.7	1030.8	1031.9	1033.0
140°	1072.3	1070.5	1068.6	1066.8	1068.6	1070.5	1072.3	1074.2	1075.2	1075.5	1075.8
142.5°	1113.1	1111.7	1110.2	1108.8	1110.2	1111.7	1113.1	1114.5	1115.4	1115.6	1115.9
145°	1172.7	1171.6	1170.5	1169.5	1170.5	1171.6	1172.7	1173.7	1174.4	1174.6	1174.9
147.5°	1228.3	1226.7	1225.0	1223.4	1225.0	1226.7	1228.3	1229.9	1230.7	1230.7	1230.7
150°	1262.7	1261.1	1259.5	1257.9	1259.5	1261.1	1262.7	1264.2	1265.0	1265.0	1265.0
152.5°	1295.5	1294.1	1292.7	1291.3	1292.7	1294.1	1295.5	1296.9	1297.4	1296.9	1296.5
155°	1342.3	1340.5	1338.6	1336.7	1338.6	1340.5	1342.3	1344.2	1344.6	1343.5	1342.4
157.5°	1382.5	1381.0	1379.5	1378.1	1379.5	1381.0	1382.5	1384.0	1384.2	1383.1	1382.0
160°	1408.0	1406.9	1405.9	1404.8	1405.9	1406.9	1408.0	1409.1	1408.9	1407.6	1406.3
162.5°	1430.0	1428.3	1426.6	1424.9	1426.6	1428.3	1430.0	1431.7	1431.9	1430.5	1429.2
165°	1459.4	1457.5	1455.6	1453.8	1455.6	1457.5	1459.4	1461.3	1461.3	1459.8	1458.2
167.5°	1483.4	1481.7	1480.0	1478.4	1480.0	1481.7	1483.4	1484.9	1484.9	1483.4	1481.7
170°	1496.4	1494.5	1492.7	1490.8	1492.7	1494.5	1496.4	1498.3	1498.3	1496.4	1494.5
172.5°	1505.9	1504.1	1502.2	1500.4	1502.2	1504.1	1505.9	1507.8	1507.9	1506.3	1504.6
175°	1516.7	1514.8	1513.0	1511.2	1513.0	1514.8	1516.7	1518.5	1518.7	1517.1	1515.5
177.5°	1521.3	1519.8	1518.4	1516.9	1518.4	1519.8	1521.3	1522.8	1522.9	1521.6	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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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°	14.2	13.7	13.3	12.4	11.4	10.5	9.2	8.9	8.3	8.8	8.0
90°	29.7	28.7	25.2	21.8	18.3	14.9	11.8	9.2	6.5	3.9	1.2
92.5°	46.7	45.9	43.9	41.9	40.0	38.0	36.1	34.3	32.5	30.7	28.9
95°	89.4	88.4	86.3	84.1	82.0	79.9	78.0	76.0	74.2	72.3	70.5
97.5°	139.6	138.3	136.8	135.2	133.7	132.1	130.7	129.4	127.9	126.6	125.2
100°	176.4	175.6	174.3	172.9	171.6	170.3	168.8	167.2	165.6	164.1	162.5
102.5°	218.5	217.6	215.9	214.1	212.4	210.6	209.3	208.3	207.4	206.4	205.5
105°	281.9	281.9	279.6	277.1	274.7	272.4	270.9	270.4	269.8	269.3	268.8
107.5°	349.0	348.1	347.1	346.2	345.2	344.3	343.6	343.3	343.0	342.7	342.4
110°	394.1	393.0	392.4	392.0	391.4	390.9	390.4	389.8	389.3	388.8	388.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	439.2	437.9	437.8	437.7	437.6	437.5	437.3	437.0	436.7	436.3	436.0
115°	509.1	508.9	509.5	509.9	510.5	511.0	510.9	510.1	509.3	508.5	507.7
117.5°	579.1	579.2	579.8	580.5	581.2	581.9	581.9	581.5	580.9	580.4	579.9
120°	625.7	626.0	627.2	628.6	629.9	631.3	631.1	629.5	628.0	626.4	624.8
122.5°	673.0	673.8	674.5	675.1	675.8	676.5	676.3	675.1	673.9	672.7	671.6
125°	743.1	744.3	744.7	745.3	745.8	746.3	746.2	745.4	744.7	743.8	743.0
127.5°	812.5	814.0	814.6	815.2	815.7	816.3	815.8	814.0	812.4	810.6	809.0
130°	857.9	858.9	859.7	860.5	861.3	862.1	861.4	859.3	857.1	855.1	852.9
132.5°	902.5	903.8	904.4	905.0	905.5	906.2	905.4	903.2	901.1	899.0	896.9
135°	968.9	970.0	970.3	970.5	970.8	971.1	970.4	968.8	967.2	965.6	964.0
137.5°	1034.1	1035.2	1034.5	1033.8	1033.2	1032.5	1031.4	1030.2	1028.8	1027.5	1026.1
140°	1076.0	1076.3	1076.0	1075.8	1075.5	1075.2	1074.4	1073.1	1071.8	1070.5	1069.1
142.5°	1116.2	1116.4	1115.9	1115.5	1115.0	1114.5	1113.6	1112.3	1111.0	1109.6	1108.3
145°	1175.2	1175.4	1174.6	1173.9	1173.1	1172.3	1171.6	1171.1	1170.5	1170.1	1169.5
147.5°	1230.7	1230.7	1229.9	1229.2	1228.4	1227.6	1226.9	1225.9	1224.9	1223.9	1223.0
150°	1265.0	1265.0	1264.5	1264.0	1263.5	1262.9	1262.4	1261.9	1261.3	1260.8	1260.3
152.5°	1296.1	1295.6	1295.3	1295.0	1294.7	1294.3	1293.8	1293.1	1292.4	1291.6	1290.9
155°	1341.4	1340.3	1340.1	1339.7	1339.5	1339.3	1339.1	1339.1	1339.1	1339.1	1339.1
157.5°	1380.9	1379.7	1379.5	1379.3	1379.1	1378.9	1379.0	1379.3	1379.6	1379.9	1380.2
160°	1404.9	1403.6	1403.6	1403.6	1403.6	1403.6	1403.9	1404.4	1404.9	1405.5	1406.0
162.5°	1427.9	1426.6	1426.3	1426.2	1425.9	1425.7	1426.0	1426.7	1427.4	1428.2	1428.9
165°	1456.6	1455.0	1455.0	1455.0	1455.0	1455.0	1455.4	1456.2	1457.0	1457.8	1458.6
167.5°	1480.0	1478.4	1478.2	1478.0	1477.7	1477.6	1478.0	1479.0	1480.1	1481.1	1482.3
170°	1492.7	1490.8	1490.8	1490.8	1490.8	1490.8	1491.4	1492.4	1493.5	1494.5	1495.6
172.5°	1503.0	1501.3	1501.3	1501.3	1501.3	1501.3	1501.9	1502.9	1504.0	1505.1	1506.1
175°	1513.9	1512.4	1512.4	1512.4	1512.4	1512.4	1512.8	1513.9	1515.0	1516.1	1517.1
177.5°	1519.1	1517.8	1517.8	1517.8	1517.8	1517.8	1518.2	1519.1	1520.0	1520.8	1521.6
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



TEST NUMBER: P332427-927

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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°	7.3	6.4	6.7	6.5	7.1	7.3	8.2	8.5	8.9	9.3	9.1
90°	3.9	6.5	9.2	11.8	14.9	18.3	21.8	25.2	28.7	29.7	30.8
92.5°	30.7	32.5	34.3	36.1	38.0	40.0	41.9	43.9	45.9	46.7	47.5
95°	72.3	74.2	76.0	78.0	79.9	82.0	84.1	86.3	88.4	89.4	90.5
97.5°	126.6	127.9	129.4	130.7	132.1	133.7	135.2	136.8	138.3	139.6	140.8
100°	164.1	165.6	167.2	168.8	170.3	171.6	172.9	174.3	175.6	176.4	177.2
102.5°	206.4	207.4	208.3	209.3	210.6	212.4	214.1	215.9	217.6	218.5	219.3
105°	269.3	269.8	270.4	270.9	272.4	274.7	277.1	279.6	281.9	281.9	281.9
107.5°	342.7	343.0	343.3	343.6	344.3	345.2	346.2	347.1	348.1	349.0	349.8
110°	388.8	389.3	389.8	390.4	390.9	391.4	392.0	392.4	393.0	394.1	395.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	436.3	436.7	437.0	437.3	437.5	437.6	437.7	437.8	437.9	439.2	440.5
115°	508.5	509.3	510.1	510.9	511.0	510.5	509.9	509.5	508.9	509.1	509.5
117.5°	580.4	580.9	581.5	581.9	581.9	581.2	580.5	579.8	579.2	579.1	579.0
120°	626.4	628.0	629.5	631.1	631.3	629.9	628.6	627.2	626.0	625.7	625.4
122.5°	672.7	673.9	675.1	676.3	676.5	675.8	675.1	674.5	673.8	673.0	672.3
125°	743.8	744.7	745.4	746.2	746.3	745.8	745.3	744.7	744.3	743.1	742.1
127.5°	810.6	812.4	814.0	815.8	816.3	815.7	815.2	814.6	814.0	812.5	811.0
130°	855.1	857.1	859.3	861.4	862.1	861.3	860.5	859.7	858.9	857.9	856.7
132.5°	899.0	901.1	903.2	905.4	906.2	905.5	905.0	904.4	903.8	902.5	901.3
135°	965.6	967.2	968.8	970.4	971.1	970.8	970.5	970.3	970.0	968.9	967.9
137.5°	1027.5	1028.8	1030.2	1031.4	1032.5	1033.2	1033.8	1034.5	1035.2	1034.1	1033.0
140°	1070.5	1071.8	1073.1	1074.4	1075.2	1075.5	1075.8	1076.0	1076.3	1076.0	1075.8
142.5°	1109.6	1111.0	1112.3	1113.6	1114.5	1115.0	1115.5	1115.9	1116.4	1116.2	1115.9
145°	1170.1	1170.5	1171.1	1171.6	1172.3	1173.1	1173.9	1174.6	1175.4	1175.2	1174.9
147.5°	1223.9	1224.9	1225.9	1226.9	1227.6	1228.4	1229.2	1229.9	1230.7	1230.7	1230.7
150°	1260.8	1261.3	1261.9	1262.4	1262.9	1263.5	1264.0	1264.5	1265.0	1265.0	1265.0
152.5°	1291.6	1292.4	1293.1	1293.8	1294.3	1294.7	1295.0	1295.3	1295.6	1296.1	1296.5
155°	1339.1	1339.1	1339.1	1339.1	1339.3	1339.5	1339.7	1340.1	1340.3	1341.4	1342.4
157.5°	1379.9	1379.6	1379.3	1379.0	1378.9	1379.1	1379.3	1379.5	1379.7	1380.9	1382.0
160°	1405.5	1404.9	1404.4	1403.9	1403.6	1403.6	1403.6	1403.6	1403.6	1404.9	1406.3
162.5°	1428.2	1427.4	1426.7	1426.0	1425.7	1425.9	1426.2	1426.3	1426.6	1427.9	1429.2
165°	1457.8	1457.0	1456.2	1455.4	1455.0	1455.0	1455.0	1455.0	1455.0	1456.6	1458.2
167.5°	1481.1	1480.1	1479.0	1478.0	1477.6	1477.7	1478.0	1478.2	1478.4	1480.0	1481.7
170°	1494.5	1493.5	1492.4	1491.4	1490.8	1490.8	1490.8	1490.8	1490.8	1492.7	1494.5
172.5°	1505.1	1504.0	1502.9	1501.9	1501.3	1501.3	1501.3	1501.3	1501.3	1503.0	1504.6
175°	1516.1	1515.0	1513.9	1512.8	1512.4	1512.4	1512.4	1512.4	1512.4	1513.9	1515.5
177.5°	1520.8	1520.0	1519.1	1518.2	1517.8	1517.8	1517.8	1517.8	1517.8	1519.1	1520.4
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7



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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°	9.3	9.5	9.4	9.5	9.3	10.0	9.6
90°	31.8	33.0	33.7	34.2	34.8	35.3	35.8
92.5°	48.4	49.3	49.5	49.2	48.9	48.6	48.2
95°	91.6	92.6	93.2	93.2	93.2	93.2	93.2
97.5°	142.0	143.2	143.8	143.7	143.5	143.5	143.4
100°	178.0	178.8	179.4	180.0	180.5	181.0	181.6
102.5°	220.1	220.9	221.2	221.1	220.9	220.9	220.8
105°	281.9	281.9	282.2	282.7	283.3	283.8	284.3
107.5°	350.6	351.5	351.7	351.4	351.1	350.8	350.5
110°	396.2	397.3	397.5	397.0	396.5	395.9	395.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	441.7	443.0	443.6	443.5	443.4	443.3	443.1
115°	509.7	509.9	509.9	509.7	509.5	509.1	508.9
117.5°	579.0	578.9	578.5	577.7	577.0	576.3	575.5
120°	625.2	624.9	624.5	624.0	623.4	622.9	622.3
122.5°	671.7	671.0	670.3	669.6	668.8	668.0	667.3
125°	741.0	740.0	738.9	737.8	736.8	735.7	734.7
127.5°	809.5	808.0	806.7	805.5	804.2	803.0	801.8
130°	855.7	854.7	853.2	851.4	849.5	847.6	845.7
132.5°	900.0	898.7	897.4	896.0	894.5	893.0	891.6
135°	966.8	965.7	965.0	964.4	963.8	963.4	962.8
137.5°	1031.9	1030.8	1029.7	1028.6	1027.7	1026.7	1025.6
140°	1075.5	1075.2	1074.2	1072.3	1070.5	1068.6	1066.8
142.5°	1115.6	1115.4	1114.5	1113.1	1111.7	1110.2	1108.8
145°	1174.6	1174.4	1173.7	1172.7	1171.6	1170.5	1169.5
147.5°	1230.7	1230.7	1229.9	1228.3	1226.7	1225.0	1223.4
150°	1265.0	1265.0	1264.2	1262.7	1261.1	1259.5	1257.9
152.5°	1296.9	1297.4	1296.9	1295.5	1294.1	1292.7	1291.3
155°	1343.5	1344.6	1344.2	1342.3	1340.5	1338.6	1336.7
157.5°	1383.1	1384.2	1384.0	1382.5	1381.0	1379.5	1378.1
160°	1407.6	1408.9	1409.1	1408.0	1406.9	1405.9	1404.8
162.5°	1430.5	1431.9	1431.7	1430.0	1428.3	1426.6	1424.9
165°	1459.8	1461.3	1461.3	1459.4	1457.5	1455.6	1453.8
167.5°	1483.4	1484.9	1484.9	1483.4	1481.7	1480.0	1478.4
170°	1496.4	1498.3	1498.3	1496.4	1494.5	1492.7	1490.8
172.5°	1506.3	1507.9	1507.8	1505.9	1504.1	1502.2	1500.4
175°	1517.1	1518.7	1518.5	1516.7	1514.8	1513.0	1511.2
177.5°	1521.6	1522.9	1522.8	1521.3	1519.8	1518.4	1516.9
180°	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7	1520.7

(END OF REPORT)