

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: P332920-935

Luminaire Tested: **S124RDIP-S575D1205U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332920-935
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: S124RDIP-S575D1205U935-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5694.1 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

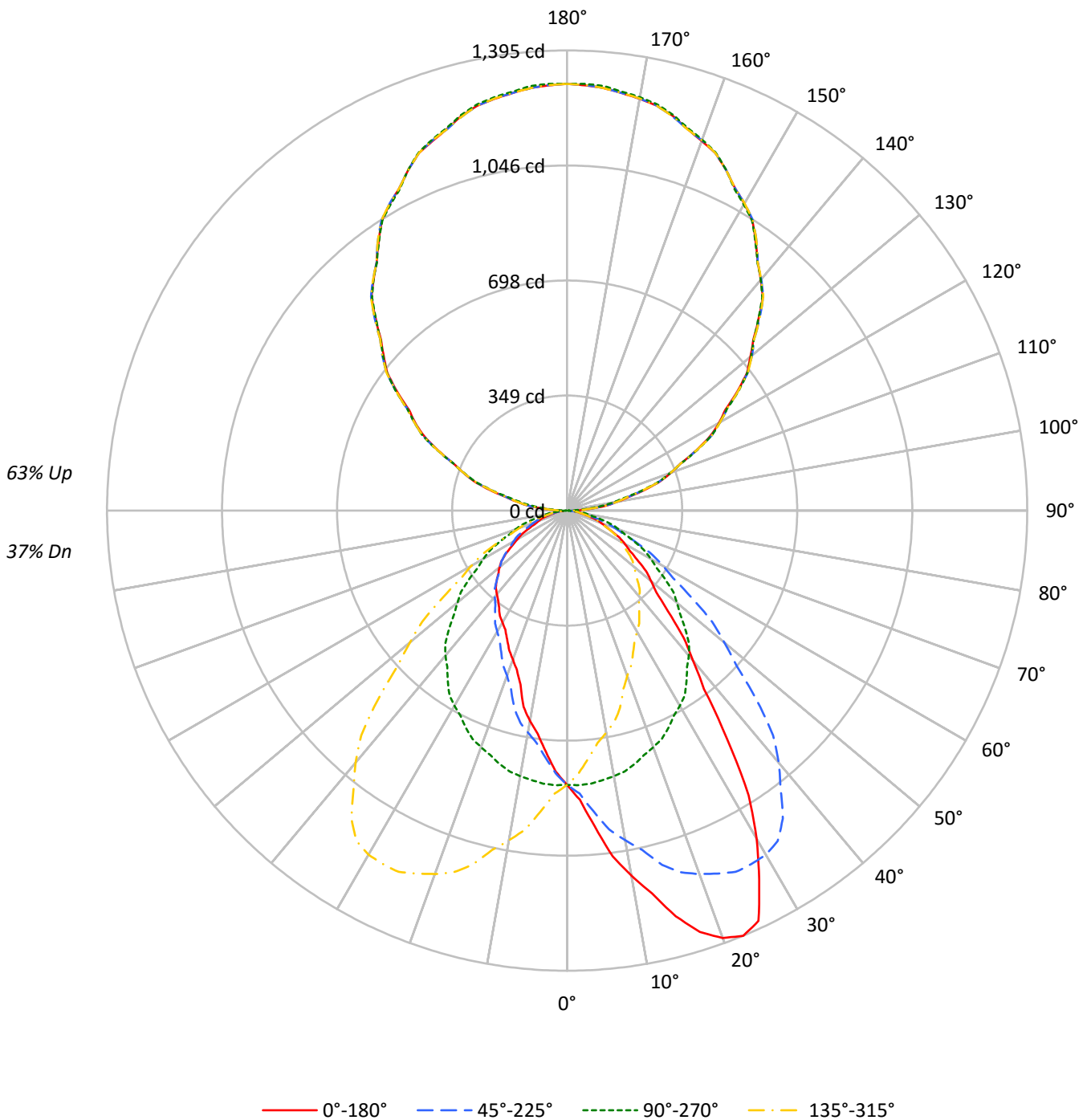
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37				
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32	27				
3	79	70	63	58	72	64	58	53	52	48	45	42	39	36	31	30	28	23				
4	73	62	55	49	66	57	51	45	47	42	38	37	34	31	28	26	24	20				
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21	18				
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	11				
10	46	34	27	23	42	31	25	21	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6713	6713	6713	6713
5°	7786	6733	5951	6733
10°	9211	6703	5311	6703
15°	10639	6641	4563	6641
20°	11846	6556	4127	6556
25°	12229	6472	3832	6472
30°	10705	6371	3653	6371
35°	8333	6220	3546	6220
40°	6249	6048	3488	6048
45°	4933	5771	3457	5771
50°	4166	5452	3357	5452
55°	3631	5102	3178	5102
60°	3266	4737	2813	4737
65°	2881	4346	2420	4346
70°	2594	3939	2183	3939
75°	2174	3490	1862	3490
80°	1836	2975	1743	2975
85°	1556	2325	1556	2325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	1.4
10°-20°	243.0	4.3
20°-30°	380.1	6.7
30°-40°	422.5	7.4
40°-50°	374.9	6.6
50°-60°	292.1	5.1
60°-70°	191.3	3.4
70°-80°	94.1	1.7
80°-90°	27.1	0.5
90°-100°	85.3	1.5
100°-110°	252.7	4.4
110°-120°	428.9	7.5
120°-130°	565.6	9.9
130°-140°	635.2	11.2
140°-150°	624.2	11.0
150°-160°	525.0	9.2
160°-170°	349.3	6.1
170°-180°	122.3	2.1
0°-30°	703.7	12.4
0°-40°	1126.2	19.8
0°-60°	1793.2	31.5
0°-90°	2105.6	37.0
90°-120°	767.0	13.5
90°-150°	2591.9	45.5
90°-180°	3588.0	63.0
0°-180°	5694.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	832	832	832	832	832	
5°	961	831	734	831	961	97
15°	1273	795	546	795	1273	362
25°	1373	727	430	727	1373	609
35°	846	631	360	631	846	530
45°	432	506	303	506	432	342
55°	258	362	226	362	258	235
65°	151	228	127	228	151	152
75°	70	112	60	112	70	77
85°	17	25	17	25	17	20
90°	30	3	30	3	30	16
95°	79	60	79	60	79	82
105°	244	233	244	233	244	257
115°	432	436	432	436	432	427
125°	630	635	630	635	630	562
135°	820	819	820	819	820	633
145°	996	995	996	995	996	623
155°	1139	1140	1139	1140	1139	524
165°	1238	1241	1238	1241	1238	349
175°	1285	1291	1285	1291	1285	122
180°	1293	1293	1293	1293	1293	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	877.0	879.4	877.0	876.8	874.1	873.3	872.2	868.7	862.3	858.5	859.4
5°	960.8	969.1	964.5	963.8	956.4	949.1	944.3	933.7	922.2	914.6	908.2
7.5°	1057.7	1062.5	1059.5	1054.8	1042.9	1036.1	1025.3	1011.2	990.8	975.1	960.9
10°	1123.6	1127.6	1126.3	1117.6	1108.9	1091.1	1081.1	1061.3	1035.4	1015.0	995.9
12.5°	1188.4	1192.7	1180.9	1181.4	1164.8	1150.8	1134.9	1110.1	1080.2	1053.9	1030.0
15°	1273.0	1267.7	1267.7	1260.9	1242.5	1223.1	1206.7	1180.5	1143.0	1111.6	1078.4
17.5°	1339.2	1341.1	1338.3	1322.5	1308.0	1288.0	1257.8	1227.4	1192.5	1150.2	1116.4
20°	1378.9	1378.9	1375.9	1365.1	1346.3	1324.9	1292.4	1259.3	1215.0	1172.5	1134.3
22.5°	1394.9	1396.0	1392.5	1383.6	1366.8	1345.8	1318.2	1284.4	1238.9	1191.0	1143.7
25°	1372.9	1379.1	1379.8	1377.5	1372.5	1359.8	1336.0	1301.5	1260.6	1208.7	1157.8
27.5°	1260.4	1268.4	1275.5	1287.0	1302.4	1310.5	1311.6	1294.0	1258.4	1208.4	1157.2
30°	1148.4	1155.0	1176.8	1205.3	1227.4	1247.5	1265.0	1269.6	1249.6	1204.6	1150.7
32.5°	1024.0	1033.1	1054.9	1085.5	1122.4	1156.4	1195.6	1215.5	1215.0	1188.0	1138.2
35°	845.5	852.2	872.4	904.5	948.7	999.3	1061.3	1109.5	1142.4	1140.0	1109.5
37.5°	681.9	689.5	709.8	736.5	779.4	842.0	902.0	968.5	1029.2	1063.2	1053.0
40°	593.0	593.3	613.0	640.5	680.7	735.3	800.6	874.3	942.0	997.3	1008.0
42.5°	522.7	522.8	535.9	565.5	594.4	645.8	708.2	781.4	860.6	924.4	952.8
45°	432.1	435.1	445.9	463.6	486.4	529.9	579.9	647.9	736.7	812.4	859.6
47.5°	365.9	370.4	377.2	391.7	409.8	438.9	480.1	541.2	613.5	696.7	764.0
50°	331.7	332.3	341.0	349.0	364.8	388.0	424.1	475.0	541.4	621.4	696.1
52.5°	302.2	302.0	307.3	317.5	330.3	348.3	377.5	423.9	482.7	554.4	631.5
55°	258.0	259.6	263.6	271.6	281.4	294.1	317.3	352.1	398.3	459.6	529.6
57.5°	224.3	225.2	228.3	231.8	240.6	249.9	267.3	291.4	330.5	380.6	445.9
60°	202.3	202.7	203.7	208.7	215.8	224.5	236.2	256.6	289.5	335.4	386.9
62.5°	180.9	181.5	183.0	186.8	192.2	198.2	210.4	226.9	254.1	293.3	339.8
65°	150.8	151.1	153.4	154.8	159.1	164.5	173.5	184.6	203.4	236.2	271.4
67.5°	126.0	126.0	126.1	127.9	131.0	134.5	139.9	148.8	162.9	183.0	214.0
70°	109.9	109.9	110.6	111.6	113.2	116.2	119.2	126.0	136.4	152.7	176.5
72.5°	94.9	95.1	95.8	96.0	96.9	99.4	101.6	105.8	113.6	126.0	145.2
75°	69.7	70.7	72.3	73.7	75.3	75.1	77.4	80.1	82.4	89.8	100.8
77.5°	51.8	51.3	51.5	52.7	52.9	53.2	54.8	56.9	58.7	62.2	66.1
80°	39.5	39.5	40.6	40.9	40.6	40.9	42.5	43.6	44.3	45.5	49.2
82.5°	29.9	30.4	30.0	30.4	30.7	31.0	32.4	32.5	33.2	33.8	35.3
85°	16.8	17.0	17.4	16.8	16.8	16.8	17.4	17.7	18.4	18.1	18.8
87.5°	11.9	11.5	11.7	11.6	11.8	11.4	11.4	11.6	10.8	10.8	10.5
90°	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7	23.3	22.0	20.2
92.5°	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2	40.4	39.6	38.4
95°	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3	76.7	76.0	74.5
97.5°	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8	121.1	120.2	118.4
100°	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9	153.5	153.1	151.0
102.5°	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9	187.3	186.7	184.9
105°	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4	238.8	238.1	237.2
107.5°	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2	294.5	293.9	293.8
110°	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2	332.7	333.1	333.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1	372.2	372.3	372.7
115°	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7	433.9	434.1	434.5
117.5°	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8	493.6	494.4	494.6
120°	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0	534.1	535.2	535.8
122.5°	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7	574.5	575.1	575.5
125°	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3	633.8	634.2	634.4
127.5°	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3	690.8	691.2	691.6
130°	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3	730.8	731.2	731.2
132.5°	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9	768.4	768.9	769.0
135°	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4	824.8	825.3	825.3
137.5°	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9	879.5	880.0	879.7
140°	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8	915.1	915.2	915.2
142.5°	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8	948.8	948.9	949.1
145°	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9	1000.1	1000.3	1000.1
147.5°	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2	1046.4	1046.5	1046.7
150°	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8	1102.3	1101.7	1101.6
155°	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4	1139.5
157.5°	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9	1174.2	1173.5	1173.6
160°	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7	1195.1	1194.4	1194.6
162.5°	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4	1213.1	1211.9	1212.2
165°	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1	1237.7	1236.4	1236.8
167.5°	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8	1258.5	1257.1	1257.1
170°	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1	1269.7	1268.4	1268.2
172.5°	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4	1277.9	1276.4	1276.3
175°	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4	1285.6
177.5°	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5	1292.3	1291.0	1291.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	856.7	852.9	851.0	846.7	841.6	839.0	836.5	833.1	828.5	823.7	820.2
5°	900.2	892.1	882.0	870.0	859.3	848.9	839.8	830.8	820.4	809.7	799.0
7.5°	944.8	928.9	911.9	892.1	872.9	855.4	839.3	823.9	806.5	790.8	776.6
10°	975.9	954.4	930.7	905.5	880.4	858.6	837.2	817.7	796.3	777.2	761.1
12.5°	1001.1	975.9	947.3	915.9	885.7	859.4	834.7	809.4	785.1	764.3	742.9
15°	1042.8	1008.3	969.8	932.3	893.1	857.3	824.1	794.6	766.8	737.7	717.2
17.5°	1071.6	1030.6	983.9	938.7	892.4	850.2	811.9	776.8	744.7	715.0	690.6
20°	1088.7	1043.5	991.6	940.3	888.4	843.2	802.0	763.1	730.0	697.8	672.7
22.5°	1098.4	1048.4	991.6	937.9	884.2	835.2	790.0	749.5	713.3	681.2	653.4
25°	1101.5	1047.8	989.9	928.2	869.4	817.4	770.5	726.6	686.4	654.3	624.7
27.5°	1097.2	1034.1	974.7	911.5	850.7	795.9	746.7	700.5	660.3	625.8	595.6
30°	1090.7	1023.1	959.4	893.8	832.2	779.5	727.6	683.4	641.5	605.7	575.2
32.5°	1076.9	1009.7	941.2	873.9	811.5	757.3	708.1	663.6	622.5	585.8	553.5
35°	1049.2	981.2	906.8	837.8	776.5	720.2	674.0	631.1	591.9	552.8	518.6
37.5°	1012.8	943.4	869.4	793.8	732.5	679.3	636.9	596.7	558.4	522.6	484.7
40°	978.5	915.2	838.9	763.8	700.9	649.5	610.4	573.9	535.4	499.8	461.9
42.5°	937.0	883.0	805.9	730.6	668.4	619.0	582.5	546.8	511.8	477.3	437.8
45°	867.6	826.8	754.4	682.1	619.4	570.5	537.0	505.5	474.7	441.9	404.7
47.5°	788.2	760.5	698.1	624.0	566.0	522.0	489.7	463.9	437.8	405.0	372.4
50°	733.0	715.2	655.0	587.3	532.0	491.5	458.3	434.1	412.4	380.9	351.7
52.5°	674.0	664.6	613.6	548.9	495.5	455.8	427.5	405.8	383.7	357.6	330.3
55°	584.3	589.3	546.0	490.1	439.9	406.4	380.6	362.5	343.7	321.6	300.5
57.5°	492.4	510.8	481.8	432.7	385.6	354.6	335.2	319.9	304.3	285.9	267.9
60°	437.5	452.9	436.5	393.3	352.1	323.3	305.2	293.4	277.7	261.0	247.2
62.5°	383.9	400.4	390.6	355.8	317.5	292.7	276.8	265.9	254.2	239.5	225.2
65°	316.6	327.3	322.6	298.5	271.4	250.2	235.5	227.5	216.7	206.0	193.3
67.5°	242.5	263.2	260.5	247.6	224.2	207.7	198.0	191.0	181.2	173.2	164.5
70°	199.3	218.4	218.1	207.7	194.9	179.5	172.9	166.9	158.1	150.4	143.4
72.5°	163.2	180.6	183.2	175.3	166.6	154.9	148.4	144.3	135.9	130.6	124.8
75°	114.3	127.0	130.4	130.4	126.3	120.3	114.6	111.9	105.8	101.2	97.8
77.5°	74.9	82.9	88.2	89.4	90.0	88.0	83.3	81.4	76.8	75.1	71.9
80°	53.0	58.3	64.3	66.3	68.0	67.3	65.3	64.0	59.7	57.9	56.7
82.5°	36.6	39.5	44.5	48.9	48.5	50.2	48.5	47.4	44.1	43.5	42.1
85°	19.1	19.5	20.1	23.1	24.8	25.5	25.8	25.1	24.1	24.1	21.8
87.5°	10.2	9.5	9.6	9.3	9.0	9.6	9.9	9.7	9.4	9.0	8.8
90°	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0	5.4	7.9	10.3
92.5°	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4	24.2	27.0	29.8
95°	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0	62.0	64.1	66.0
97.5°	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9	106.4	108.1	109.6
100°	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1	140.9	141.8	142.7
102.5°	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8	177.2	177.5	177.9
105°	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1	233.3	233.5	233.8
107.5°	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1	292.4	292.7	292.9
110°	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1	332.5	332.9	333.5



TEST NUMBER: P332920-935

CATALOG NUMBER: S124RDIP-S575D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7	373.8	373.9	374.0
115°	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1	436.1	436.1	436.1
117.5°	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0	495.2	495.3	495.5
120°	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2	535.0	536.0	536.8
122.5°	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0	575.3	575.7	576.0
125°	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2	635.2	635.2	635.2
127.5°	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8	690.5	691.1	691.8
130°	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2	728.9	729.5	730.2
132.5°	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4	767.9	768.4	768.9
135°	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2	820.6	821.9	823.3
137.5°	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6	876.3	876.9	877.5
140°	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3	913.7	914.2	914.6
142.5°	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7	948.1	948.6	949.0
145°	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3	996.2	997.1	998.0
147.5°	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5	1043.6	1044.7	1045.7
150°	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3	1072.2	1073.2	1074.0
152.5°	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5	1099.1	1099.6	1100.1
155°	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5	1175.2	1174.7	1174.4
160°	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4	1196.2	1195.9	1195.7
162.5°	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6	1215.0	1214.4	1213.8
165°	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4	1240.7	1240.0	1239.4
167.5°	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2	1260.2	1259.3	1258.4
170°	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4	1271.3	1270.1	1269.0
172.5°	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4	1279.4	1278.5	1277.6
175°	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4	1290.3	1289.2	1288.1
177.5°	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0	1294.1	1293.2	1292.4
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332920-935

CATALOG NUMBER: S124RDIP-S575D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	816.5	813.8	810.3	806.2	801.4	797.2	795.3	796.9	797.7	795.6	795.3
5°	791.6	783.3	776.5	766.5	758.5	751.7	747.0	745.0	745.7	740.4	739.0
7.5°	763.6	753.7	742.8	730.8	719.7	709.9	704.7	701.9	696.2	693.8	689.7
10°	745.7	732.3	721.6	707.5	694.8	683.0	677.3	672.7	667.0	664.3	658.6
12.5°	727.2	711.7	699.9	685.3	672.3	658.1	652.7	644.0	635.1	629.5	622.2
15°	701.1	682.4	668.0	650.6	635.2	619.1	604.7	588.6	582.6	569.8	562.5
17.5°	670.6	651.6	633.8	610.4	586.7	566.7	551.3	536.0	526.7	518.6	514.8
20°	650.6	633.2	608.4	581.3	554.7	532.6	520.2	510.2	500.2	494.5	490.4
22.5°	631.5	609.3	580.5	551.2	524.8	507.5	497.0	486.6	478.5	473.0	467.7
25°	599.7	570.5	540.0	506.5	488.4	473.4	461.9	453.6	448.6	441.5	438.9
27.5°	566.9	531.6	497.9	475.4	456.6	442.8	432.9	426.6	420.3	415.7	412.2
30°	541.7	505.8	475.7	454.3	435.1	423.8	415.7	408.4	403.4	399.7	397.0
32.5°	516.8	481.0	455.6	432.6	417.5	406.4	397.8	392.3	388.3	383.6	381.9
35°	480.7	448.9	426.8	406.0	390.6	380.6	373.8	368.2	364.8	363.5	362.5
37.5°	446.1	420.0	396.2	379.2	365.5	357.6	349.7	346.9	344.6	342.2	343.3
40°	424.1	399.7	378.6	360.5	349.4	340.7	336.0	332.7	330.6	330.6	330.6
42.5°	405.1	381.2	360.6	344.4	333.3	326.0	320.7	317.9	317.3	316.9	318.6
45°	375.6	353.4	332.7	319.3	309.9	302.5	299.5	297.1	297.1	298.5	298.9
47.5°	346.3	325.5	308.8	293.9	285.2	280.7	278.0	276.8	277.0	278.3	279.8
50°	328.3	307.9	291.4	278.0	270.0	265.6	263.3	262.6	263.3	263.3	265.6
52.5°	308.8	290.4	274.3	263.0	253.9	249.9	248.6	247.6	248.1	249.1	250.1
55°	280.1	263.6	248.2	237.5	230.8	228.2	225.2	225.5	224.8	225.5	225.5
57.5°	251.3	236.6	222.2	213.7	207.8	204.0	200.7	201.6	200.6	200.4	199.9
60°	232.8	216.7	205.3	197.7	191.0	187.6	184.6	185.3	184.3	183.6	182.3
62.5°	212.8	199.3	188.5	181.1	175.6	171.8	168.8	168.1	165.7	163.5	160.5
65°	183.6	172.5	162.8	155.8	150.8	147.7	145.4	143.4	138.4	133.0	130.4
67.5°	155.2	147.2	138.2	132.2	128.2	124.2	119.8	116.3	111.6	108.7	107.0
70°	137.0	129.3	121.6	115.9	111.6	107.9	102.8	100.5	97.1	95.8	94.1
72.5°	119.6	112.4	105.2	100.1	95.5	92.6	88.7	86.3	84.8	84.3	82.6
75°	93.2	87.5	82.1	77.4	73.7	71.7	70.0	68.4	67.7	64.7	62.9
77.5°	67.9	64.1	60.9	57.5	54.8	53.6	50.3	48.4	47.3	45.8	45.5
80°	53.0	50.3	46.9	44.9	41.2	39.9	38.5	38.2	37.9	37.5	37.2
82.5°	39.8	37.1	33.8	32.5	31.6	30.7	30.0	29.6	29.3	29.4	29.4
85°	20.1	18.8	18.8	18.4	18.1	17.7	17.4	17.4	17.0	17.4	17.0
87.5°	9.3	9.4	9.7	9.6	10.2	10.6	10.6	10.8	11.4	11.1	11.3
90°	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7	26.0	27.4	28.2
92.5°	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2	42.0	42.8	43.3
95°	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3	78.0	78.7	79.0
97.5°	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8	122.6	123.5	123.8
100°	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9	154.4	154.8	155.1
102.5°	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9	188.6	189.2	189.5
105°	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4	240.0	240.7	241.4
107.5°	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2	295.8	296.4	296.7
110°	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2	331.7	331.3	331.4



TEST NUMBER: P332920-935

CATALOG NUMBER: S124RDIP-S575D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1	372.0	372.0	372.0
115°	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7	433.4	433.3	433.0
117.5°	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8	492.1	491.3	490.8
120°	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0	531.8	530.7	530.4
122.5°	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7	572.9	572.1	571.4
125°	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3	632.8	632.4	632.0
127.5°	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3	689.9	689.4	689.1
130°	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3	729.9	729.4	728.8
132.5°	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9	767.5	767.1	766.6
135°	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4	823.9	823.5	822.9
137.5°	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9	878.3	877.8	877.5
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8	914.6	914.4	914.2
142.5°	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8	948.7	948.7	948.6
145°	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.9
147.5°	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2	1046.0	1045.8	1045.6
150°	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.2
152.5°	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8	1103.4	1103.9	1103.9
155°	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9
157.5°	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9	1175.5	1176.2	1176.2
160°	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7	1196.4	1197.0	1196.8
162.5°	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4	1215.6	1216.8	1216.9
165°	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1	1240.4	1241.7	1241.9
167.5°	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8	1261.2	1262.5	1262.5
170°	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1	1272.4	1273.8	1273.6
172.5°	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4	1280.9	1282.5	1282.5
175°	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6
177.5°	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5	1294.8	1296.0	1295.9
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332920-935

CATALOG NUMBER: S124RDIP-S575D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	793.7	794.2	792.4	791.8	792.4	794.2	793.7	795.3	795.6	797.7	796.9
5°	736.3	735.6	734.0	734.3	734.0	735.6	736.3	739.0	740.4	745.7	745.0
7.5°	687.3	684.7	685.4	682.7	685.4	684.7	687.3	689.7	693.8	696.2	701.9
10°	657.3	653.6	650.6	647.9	650.6	653.6	657.3	658.6	664.3	667.0	672.7
12.5°	616.3	613.1	609.0	609.8	609.0	613.1	616.3	622.2	629.5	635.1	644.0
15°	558.1	553.1	545.0	546.0	545.0	553.1	558.1	562.5	569.8	582.6	588.6
17.5°	508.9	508.9	505.2	506.1	505.2	508.9	508.9	514.8	518.6	526.7	536.0
20°	483.4	481.0	481.4	480.4	481.4	481.0	483.4	490.4	494.5	500.2	510.2
22.5°	465.7	462.9	460.5	458.4	460.5	462.9	465.7	467.7	473.0	478.5	486.6
25°	435.8	433.9	430.8	430.2	430.8	433.9	435.8	438.9	441.5	448.6	453.6
27.5°	409.6	409.1	407.9	406.4	407.9	409.1	409.6	412.2	415.7	420.3	426.6
30°	394.3	393.6	393.0	391.9	393.0	393.6	394.3	397.0	399.7	403.4	408.4
32.5°	380.6	380.2	379.5	379.6	379.5	380.2	380.6	381.9	383.6	388.3	392.3
35°	361.1	360.8	360.2	359.8	360.2	360.8	361.1	362.5	363.5	364.8	368.2
37.5°	342.9	343.8	343.4	343.3	343.4	343.8	342.9	343.3	342.2	344.6	346.9
40°	330.3	330.6	331.3	331.0	331.3	330.6	330.3	330.6	330.6	330.6	332.7
42.5°	319.9	319.9	320.9	319.7	320.9	319.9	319.9	318.6	316.9	317.3	317.9
45°	301.2	303.2	302.8	302.8	302.8	303.2	301.2	298.9	298.5	297.1	297.1
47.5°	280.7	282.5	282.9	282.8	282.9	282.5	280.7	279.8	278.3	277.0	276.8
50°	267.3	266.7	267.7	267.3	267.7	266.7	267.3	265.6	263.3	263.3	262.6
52.5°	251.0	251.2	251.1	250.7	251.1	251.2	251.0	250.1	249.1	248.1	247.6
55°	225.8	226.1	225.5	225.8	225.5	226.1	225.8	225.5	225.5	224.8	225.5
57.5°	198.5	196.8	197.5	196.7	197.5	196.8	198.5	199.9	200.4	200.6	201.6
60°	178.9	176.2	175.6	174.2	175.6	176.2	178.9	182.3	183.6	184.3	185.3
62.5°	156.9	155.1	152.7	153.9	152.7	155.1	156.9	160.5	163.5	165.7	168.1
65°	127.6	126.3	125.3	126.7	125.3	126.3	127.6	130.4	133.0	138.4	143.4
67.5°	105.6	105.0	105.0	104.3	105.0	105.0	105.6	107.0	108.7	111.6	116.3
70°	94.1	93.2	93.2	92.5	93.2	93.2	94.1	94.1	95.8	97.1	100.5
72.5°	82.3	81.4	81.6	81.2	81.6	81.4	82.3	82.6	84.3	84.8	86.3
75°	61.0	59.3	59.3	59.7	59.3	59.3	61.0	62.9	64.7	67.7	68.4
77.5°	45.5	45.1	45.6	45.0	45.6	45.1	45.5	45.5	45.8	47.3	48.4
80°	37.2	36.9	36.5	37.5	36.5	36.9	37.2	37.2	37.5	37.9	38.2
82.5°	28.8	28.8	28.8	30.0	28.8	28.8	28.8	29.4	29.4	29.3	29.6
85°	17.4	16.8	17.4	16.8	17.4	16.8	17.4	17.0	17.4	17.0	17.4
87.5°	11.9	11.7	11.5	11.9	11.5	11.7	11.9	11.3	11.1	11.4	10.8
90°	28.7	29.1	29.5	30.0	29.5	29.1	28.7	28.2	27.4	26.0	24.7
92.5°	43.7	43.9	44.2	44.4	44.2	43.9	43.7	43.3	42.8	42.0	41.2
95°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.7	78.0	77.3
97.5°	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.5	122.6	121.8
100°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	154.8	154.4	153.9
102.5°	189.8	189.9	190.1	190.3	190.1	189.9	189.8	189.5	189.2	188.6	187.9
105°	242.1	242.7	243.4	244.1	243.4	242.7	242.1	241.4	240.7	240.0	239.4
107.5°	296.6	296.6	296.5	296.5	296.5	296.6	296.6	296.7	296.4	295.8	295.2
110°	332.1	332.8	333.5	334.1	333.5	332.8	332.1	331.4	331.3	331.7	332.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	372.1	372.2	372.4	372.6	372.4	372.2	372.1	372.0	372.0	372.0	372.1
115°	432.8	432.6	432.4	432.1	432.4	432.6	432.8	433.0	433.3	433.4	433.7
117.5°	490.3	489.8	489.4	489.0	489.4	489.8	490.3	490.8	491.3	492.1	492.8
120°	530.8	531.2	531.8	532.2	531.8	531.2	530.8	530.4	530.7	531.8	533.0
122.5°	570.6	569.8	568.9	568.2	568.9	569.8	570.6	571.4	572.1	572.9	573.7
125°	631.5	631.1	630.6	630.2	630.6	631.1	631.5	632.0	632.4	632.8	633.3
127.5°	688.7	688.3	687.9	687.6	687.9	688.3	688.7	689.1	689.4	689.9	690.3
130°	727.9	727.0	726.1	725.2	726.1	727.0	727.9	728.8	729.4	729.9	730.3
132.5°	766.3	765.9	765.6	765.3	765.6	765.9	766.3	766.6	767.1	767.5	767.9
135°	822.3	821.6	820.9	820.3	820.9	821.6	822.3	822.9	823.5	823.9	824.4
137.5°	877.7	877.8	878.0	878.0	878.0	877.8	877.7	877.5	877.8	878.3	878.9
140°	914.0	913.7	913.5	913.3	913.5	913.7	914.0	914.2	914.4	914.6	914.8
142.5°	948.6	948.6	948.6	948.5	948.6	948.6	948.6	948.6	948.7	948.7	948.8
145°	998.3	997.6	997.0	996.3	997.0	997.6	998.3	998.9	999.4	999.6	999.9
147.5°	1045.4	1045.2	1044.9	1044.7	1044.9	1045.2	1045.4	1045.6	1045.8	1046.0	1046.2
150°	1075.0	1074.8	1074.5	1074.4	1074.5	1074.8	1075.0	1075.2	1075.3	1075.3	1075.3
152.5°	1103.3	1102.7	1102.1	1101.6	1102.1	1102.7	1103.3	1103.9	1103.9	1103.4	1102.8
155°	1142.0	1141.2	1140.2	1139.4	1140.2	1141.2	1142.0	1142.9	1142.9	1142.0	1141.2
157.5°	1175.4	1174.7	1173.9	1173.2	1173.9	1174.7	1175.4	1176.2	1176.2	1175.5	1174.9
160°	1195.7	1194.6	1193.5	1192.4	1193.5	1194.6	1195.7	1196.8	1197.0	1196.4	1195.7
162.5°	1215.7	1214.6	1213.5	1212.4	1213.5	1214.6	1215.7	1216.9	1216.8	1215.6	1214.4
165°	1241.0	1240.2	1239.2	1238.4	1239.2	1240.2	1241.0	1241.9	1241.7	1240.4	1239.1
167.5°	1261.1	1259.7	1258.4	1257.0	1258.4	1259.7	1261.1	1262.5	1262.5	1261.2	1259.8
170°	1272.0	1270.5	1268.9	1267.4	1268.9	1270.5	1272.0	1273.6	1273.8	1272.4	1271.1
172.5°	1280.8	1279.3	1277.7	1276.2	1277.7	1279.3	1280.8	1282.5	1282.5	1280.9	1279.4
175°	1290.0	1288.5	1286.9	1285.4	1286.9	1288.5	1290.0	1291.6	1291.6	1290.0	1288.5
177.5°	1294.4	1293.0	1291.6	1290.2	1291.6	1293.0	1294.4	1295.9	1296.0	1294.8	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



TEST NUMBER: P332920-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	795.3	797.2	801.4	806.2	810.3	813.8	816.5	820.2	823.7	828.5	833.1
5°	747.0	751.7	758.5	766.5	776.5	783.3	791.6	799.0	809.7	820.4	830.8
7.5°	704.7	709.9	719.7	730.8	742.8	753.7	763.6	776.6	790.8	806.5	823.9
10°	677.3	683.0	694.8	707.5	721.6	732.3	745.7	761.1	777.2	796.3	817.7
12.5°	652.7	658.1	672.3	685.3	699.9	711.7	727.2	742.9	764.3	785.1	809.4
15°	604.7	619.1	635.2	650.6	668.0	682.4	701.1	717.2	737.7	766.8	794.6
17.5°	551.3	566.7	586.7	610.4	633.8	651.6	670.6	690.6	715.0	744.7	776.8
20°	520.2	532.6	554.7	581.3	608.4	633.2	650.6	672.7	697.8	730.0	763.1
22.5°	497.0	507.5	524.8	551.2	580.5	609.3	631.5	653.4	681.2	713.3	749.5
25°	461.9	473.4	488.4	506.5	540.0	570.5	599.7	624.7	654.3	686.4	726.6
27.5°	432.9	442.8	456.6	475.4	497.9	531.6	566.9	595.6	625.8	660.3	700.5
30°	415.7	423.8	435.1	454.3	475.7	505.8	541.7	575.2	605.7	641.5	683.4
32.5°	397.8	406.4	417.5	432.6	455.6	481.0	516.8	553.5	585.8	622.5	663.6
35°	373.8	380.6	390.6	406.0	426.8	448.9	480.7	518.6	552.8	591.9	631.1
37.5°	349.7	357.6	365.5	379.2	396.2	420.0	446.1	484.7	522.6	558.4	596.7
40°	336.0	340.7	349.4	360.5	378.6	399.7	424.1	461.9	499.8	535.4	573.9
42.5°	320.7	326.0	333.3	344.4	360.6	381.2	405.1	437.8	477.3	511.8	546.8
45°	299.5	302.5	309.9	319.3	332.7	353.4	375.6	404.7	441.9	474.7	505.5
47.5°	278.0	280.7	285.2	293.9	308.8	325.5	346.3	372.4	405.0	437.8	463.9
50°	263.3	265.6	270.0	278.0	291.4	307.9	328.3	351.7	380.9	412.4	434.1
52.5°	248.6	249.9	253.9	263.0	274.3	290.4	308.8	330.3	357.6	383.7	405.8
55°	225.2	228.2	230.8	237.5	248.2	263.6	280.1	300.5	321.6	343.7	362.5
57.5°	200.7	204.0	207.8	213.7	222.2	236.6	251.3	267.9	285.9	304.3	319.9
60°	184.6	187.6	191.0	197.7	205.3	216.7	232.8	247.2	261.0	277.7	293.4
62.5°	168.8	171.8	175.6	181.1	188.5	199.3	212.8	225.2	239.5	254.2	265.9
65°	145.4	147.7	150.8	155.8	162.8	172.5	183.6	193.3	206.0	216.7	227.5
67.5°	119.8	124.2	128.2	132.2	138.2	147.2	155.2	164.5	173.2	181.2	191.0
70°	102.8	107.9	111.6	115.9	121.6	129.3	137.0	143.4	150.4	158.1	166.9
72.5°	88.7	92.6	95.5	100.1	105.2	112.4	119.6	124.8	130.6	135.9	144.3
75°	70.0	71.7	73.7	77.4	82.1	87.5	93.2	97.8	101.2	105.8	111.9
77.5°	50.3	53.6	54.8	57.5	60.9	64.1	67.9	71.9	75.1	76.8	81.4
80°	38.5	39.9	41.2	44.9	46.9	50.3	53.0	56.7	57.9	59.7	64.0
82.5°	30.0	30.7	31.6	32.5	33.8	37.1	39.8	42.1	43.5	44.1	47.4
85°	17.4	17.7	18.1	18.4	18.8	18.8	20.1	21.8	24.1	24.1	25.1
87.5°	10.6	10.6	10.2	9.6	9.7	9.4	9.3	8.8	9.0	9.4	9.7
90°	23.3	22.0	20.2	18.4	16.7	14.9	12.7	10.3	7.9	5.4	3.0
92.5°	40.4	39.6	38.4	37.1	35.9	34.6	32.6	29.8	27.0	24.2	21.4
95°	76.7	76.0	74.5	72.9	71.4	69.8	68.0	66.0	64.1	62.0	60.0
97.5°	121.1	120.2	118.4	116.6	114.8	113.0	111.2	109.6	108.1	106.4	104.9
100°	153.5	153.1	151.0	149.0	147.1	145.1	143.6	142.7	141.8	140.9	140.1
102.5°	187.3	186.7	184.9	183.0	181.2	179.3	178.3	177.9	177.5	177.2	176.8
105°	238.8	238.1	237.2	236.3	235.4	234.5	233.9	233.8	233.5	233.3	233.1
107.5°	294.5	293.9	293.8	293.6	293.5	293.3	293.2	292.9	292.7	292.4	292.1
110°	332.7	333.1	333.3	333.6	333.8	334.0	333.9	333.5	332.9	332.5	332.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	372.2	372.3	372.7	373.2	373.5	373.9	374.1	374.0	373.9	373.8	373.7
115°	433.9	434.1	434.5	435.1	435.5	435.9	436.1	436.1	436.1	436.1	436.1
117.5°	493.6	494.4	494.6	495.0	495.2	495.6	495.7	495.5	495.3	495.2	495.0
120°	534.1	535.2	535.8	536.5	537.2	537.9	537.7	536.8	536.0	535.0	534.2
122.5°	574.5	575.1	575.5	575.8	576.1	576.4	576.4	576.0	575.7	575.3	575.0
125°	633.8	634.2	634.4	634.6	634.9	635.1	635.2	635.2	635.2	635.2	635.2
127.5°	690.8	691.2	691.6	691.9	692.2	692.7	692.5	691.8	691.1	690.5	689.8
130°	730.8	731.2	731.2	731.2	731.2	731.2	730.9	730.2	729.5	728.9	728.2
132.5°	768.4	768.9	769.0	769.2	769.4	769.6	769.4	768.9	768.4	767.9	767.4
135°	824.8	825.3	825.3	825.3	825.3	825.3	824.6	823.3	821.9	820.6	819.2
137.5°	879.5	880.0	879.7	879.3	879.0	878.7	878.1	877.5	876.9	876.3	875.6
140°	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.6	914.2	913.7	913.3
142.5°	948.8	948.9	949.1	949.3	949.4	949.6	949.5	949.0	948.6	948.1	947.7
145°	1000.1	1000.3	1000.1	999.9	999.6	999.4	998.8	998.0	997.1	996.2	995.3
147.5°	1046.4	1046.5	1046.7	1046.9	1047.1	1047.2	1046.8	1045.7	1044.7	1043.6	1042.5
150°	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1074.9	1074.0	1073.2	1072.2	1071.3
152.5°	1102.3	1101.7	1101.6	1101.4	1101.2	1101.0	1100.7	1100.1	1099.6	1099.1	1098.5
155°	1140.2	1139.4	1139.5	1139.8	1140.1	1140.2	1140.3	1140.3	1140.3	1140.3	1140.3
157.5°	1174.2	1173.5	1173.6	1173.6	1173.7	1173.7	1174.0	1174.4	1174.7	1175.2	1175.5
160°	1195.1	1194.4	1194.6	1194.8	1195.1	1195.2	1195.5	1195.7	1195.9	1196.2	1196.4
162.5°	1213.1	1211.9	1212.2	1212.5	1212.6	1212.9	1213.2	1213.8	1214.4	1215.0	1215.6
165°	1237.7	1236.4	1236.8	1237.3	1237.7	1238.1	1238.7	1239.4	1240.0	1240.7	1241.4
167.5°	1258.5	1257.1	1257.1	1257.1	1257.1	1257.0	1257.5	1258.4	1259.3	1260.2	1261.2
170°	1269.7	1268.4	1268.2	1267.9	1267.7	1267.5	1267.9	1269.0	1270.1	1271.3	1272.4
172.5°	1277.9	1276.4	1276.3	1276.3	1276.3	1276.2	1276.7	1277.6	1278.5	1279.4	1280.4
175°	1286.9	1285.4	1285.6	1285.8	1286.1	1286.2	1286.9	1288.1	1289.2	1290.3	1291.4
177.5°	1292.3	1291.0	1291.0	1291.0	1291.0	1291.0	1291.4	1292.4	1293.2	1294.1	1295.0
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	836.5	839.0	841.6	846.7	851.0	852.9	856.7	859.4	858.5	862.3	868.7
5°	839.8	848.9	859.3	870.0	882.0	892.1	900.2	908.2	914.6	922.2	933.7
7.5°	839.3	855.4	872.9	892.1	911.9	928.9	944.8	960.9	975.1	990.8	1011.2
10°	837.2	858.6	880.4	905.5	930.7	954.4	975.9	995.9	1015.0	1035.4	1061.3
12.5°	834.7	859.4	885.7	915.9	947.3	975.9	1001.1	1030.0	1053.9	1080.2	1110.1
15°	824.1	857.3	893.1	932.3	969.8	1008.3	1042.8	1078.4	1111.6	1143.0	1180.5
17.5°	811.9	850.2	892.4	938.7	983.9	1030.6	1071.6	1116.4	1150.2	1192.5	1227.4
20°	802.0	843.2	888.4	940.3	991.6	1043.5	1088.7	1134.3	1172.5	1215.0	1259.3
22.5°	790.0	835.2	884.2	937.9	991.6	1048.4	1098.4	1143.7	1191.0	1238.9	1284.4
25°	770.5	817.4	869.4	928.2	989.9	1047.8	1101.5	1157.8	1208.7	1260.6	1301.5
27.5°	746.7	795.9	850.7	911.5	974.7	1034.1	1097.2	1157.2	1208.4	1258.4	1294.0
30°	727.6	779.5	832.2	893.8	959.4	1023.1	1090.7	1150.7	1204.6	1249.6	1269.6
32.5°	708.1	757.3	811.5	873.9	941.2	1009.7	1076.9	1138.2	1188.0	1215.0	1215.5
35°	674.0	720.2	776.5	837.8	906.8	981.2	1049.2	1109.5	1140.0	1142.4	1109.5
37.5°	636.9	679.3	732.5	793.8	869.4	943.4	1012.8	1053.0	1063.2	1029.2	968.5
40°	610.4	649.5	700.9	763.8	838.9	915.2	978.5	1008.0	997.3	942.0	874.3
42.5°	582.5	619.0	668.4	730.6	805.9	883.0	937.0	952.8	924.4	860.6	781.4
45°	537.0	570.5	619.4	682.1	754.4	826.8	867.6	859.6	812.4	736.7	647.9
47.5°	489.7	522.0	566.0	624.0	698.1	760.5	788.2	764.0	696.7	613.5	541.2
50°	458.3	491.5	532.0	587.3	655.0	715.2	733.0	696.1	621.4	541.4	475.0
52.5°	427.5	455.8	495.5	548.9	613.6	664.6	674.0	631.5	554.4	482.7	423.9
55°	380.6	406.4	439.9	490.1	546.0	589.3	584.3	529.6	459.6	398.3	352.1
57.5°	335.2	354.6	385.6	432.7	481.8	510.8	492.4	445.9	380.6	330.5	291.4
60°	305.2	323.3	352.1	393.3	436.5	452.9	437.5	386.9	335.4	289.5	256.6
62.5°	276.8	292.7	317.5	355.8	390.6	400.4	383.9	339.8	293.3	254.1	226.9
65°	235.5	250.2	271.4	298.5	322.6	327.3	316.6	271.4	236.2	203.4	184.6
67.5°	198.0	207.7	224.2	247.6	260.5	263.2	242.5	214.0	183.0	162.9	148.8
70°	172.9	179.5	194.9	207.7	218.1	218.4	199.3	176.5	152.7	136.4	126.0
72.5°	148.4	154.9	166.6	175.3	183.2	180.6	163.2	145.2	126.0	113.6	105.8
75°	114.6	120.3	126.3	130.4	130.4	127.0	114.3	100.8	89.8	82.4	80.1
77.5°	83.3	88.0	90.0	89.4	88.2	82.9	74.9	66.1	62.2	58.7	56.9
80°	65.3	67.3	68.0	66.3	64.3	58.3	53.0	49.2	45.5	44.3	43.6
82.5°	48.5	50.2	48.5	48.9	44.5	39.5	36.6	35.3	33.8	33.2	32.5
85°	25.8	25.5	24.8	23.1	20.1	19.5	19.1	18.8	18.1	18.4	17.7
87.5°	9.9	9.6	9.0	9.3	9.6	9.5	10.2	10.5	10.8	10.8	11.6
90°	5.4	7.9	10.3	12.7	14.9	16.7	18.4	20.2	22.0	23.3	24.7
92.5°	24.2	27.0	29.8	32.6	34.6	35.9	37.1	38.4	39.6	40.4	41.2
95°	62.0	64.1	66.0	68.0	69.8	71.4	72.9	74.5	76.0	76.7	77.3
97.5°	106.4	108.1	109.6	111.2	113.0	114.8	116.6	118.4	120.2	121.1	121.8
100°	140.9	141.8	142.7	143.6	145.1	147.1	149.0	151.0	153.1	153.5	153.9
102.5°	177.2	177.5	177.9	178.3	179.3	181.2	183.0	184.9	186.7	187.3	187.9
105°	233.3	233.5	233.8	233.9	234.5	235.4	236.3	237.2	238.1	238.8	239.4
107.5°	292.4	292.7	292.9	293.2	293.3	293.5	293.6	293.8	293.9	294.5	295.2
110°	332.5	332.9	333.5	333.9	334.0	333.8	333.6	333.3	333.1	332.7	332.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.8	373.9	374.0	374.1	373.9	373.5	373.2	372.7	372.3	372.2	372.1
115°	436.1	436.1	436.1	436.1	435.9	435.5	435.1	434.5	434.1	433.9	433.7
117.5°	495.2	495.3	495.5	495.7	495.6	495.2	495.0	494.6	494.4	493.6	492.8
120°	535.0	536.0	536.8	537.7	537.9	537.2	536.5	535.8	535.2	534.1	533.0
122.5°	575.3	575.7	576.0	576.4	576.4	576.1	575.8	575.5	575.1	574.5	573.7
125°	635.2	635.2	635.2	635.2	635.1	634.9	634.6	634.4	634.2	633.8	633.3
127.5°	690.5	691.1	691.8	692.5	692.7	692.2	691.9	691.6	691.2	690.8	690.3
130°	728.9	729.5	730.2	730.9	731.2	731.2	731.2	731.2	731.2	730.8	730.3
132.5°	767.9	768.4	768.9	769.4	769.6	769.4	769.2	769.0	768.9	768.4	767.9
135°	820.6	821.9	823.3	824.6	825.3	825.3	825.3	825.3	825.3	824.8	824.4
137.5°	876.3	876.9	877.5	878.1	878.7	879.0	879.3	879.7	880.0	879.5	878.9
140°	913.7	914.2	914.6	915.1	915.2	915.2	915.2	915.2	915.2	915.1	914.8
142.5°	948.1	948.6	949.0	949.5	949.6	949.4	949.3	949.1	948.9	948.8	948.8
145°	996.2	997.1	998.0	998.8	999.4	999.6	999.9	1000.1	1000.3	1000.1	999.9
147.5°	1043.6	1044.7	1045.7	1046.8	1047.2	1047.1	1046.9	1046.7	1046.5	1046.4	1046.2
150°	1072.2	1073.2	1074.0	1074.9	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3	1075.3
152.5°	1099.1	1099.6	1100.1	1100.7	1101.0	1101.2	1101.4	1101.6	1101.7	1102.3	1102.8
155°	1140.3	1140.3	1140.3	1140.3	1140.2	1140.1	1139.8	1139.5	1139.4	1140.2	1141.2
157.5°	1175.2	1174.7	1174.4	1174.0	1173.7	1173.7	1173.6	1173.6	1173.5	1174.2	1174.9
160°	1196.2	1195.9	1195.7	1195.5	1195.2	1195.1	1194.8	1194.6	1194.4	1195.1	1195.7
162.5°	1215.0	1214.4	1213.8	1213.2	1212.9	1212.6	1212.5	1212.2	1211.9	1213.1	1214.4
165°	1240.7	1240.0	1239.4	1238.7	1238.1	1237.7	1237.3	1236.8	1236.4	1237.7	1239.1
167.5°	1260.2	1259.3	1258.4	1257.5	1257.0	1257.1	1257.1	1257.1	1257.1	1258.5	1259.8
170°	1271.3	1270.1	1269.0	1267.9	1267.5	1267.7	1267.9	1268.2	1268.4	1269.7	1271.1
172.5°	1279.4	1278.5	1277.6	1276.7	1276.2	1276.3	1276.3	1276.3	1276.4	1277.9	1279.4
175°	1290.3	1289.2	1288.1	1286.9	1286.2	1286.1	1285.8	1285.6	1285.4	1286.9	1288.5
177.5°	1294.1	1293.2	1292.4	1291.4	1291.0	1291.0	1291.0	1291.0	1291.0	1292.3	1293.5
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	872.2	873.3	874.1	876.8	877.0	879.4	877.0
5°	944.3	949.1	956.4	963.8	964.5	969.1	960.8
7.5°	1025.3	1036.1	1042.9	1054.8	1059.5	1062.5	1057.7
10°	1081.1	1091.1	1108.9	1117.6	1126.3	1127.6	1123.6
12.5°	1134.9	1150.8	1164.8	1181.4	1180.9	1192.7	1188.4
15°	1206.7	1223.1	1242.5	1260.9	1267.7	1267.7	1273.0
17.5°	1257.8	1288.0	1308.0	1322.5	1338.3	1341.1	1339.2
20°	1292.4	1324.9	1346.3	1365.1	1375.9	1378.9	1378.9
22.5°	1318.2	1345.8	1366.8	1383.6	1392.5	1396.0	1394.9
25°	1336.0	1359.8	1372.5	1377.5	1379.8	1379.1	1372.9
27.5°	1311.6	1310.5	1302.4	1287.0	1275.5	1268.4	1260.4
30°	1265.0	1247.5	1227.4	1205.3	1176.8	1155.0	1148.4
32.5°	1195.6	1156.4	1122.4	1085.5	1054.9	1033.1	1024.0
35°	1061.3	999.3	948.7	904.5	872.4	852.2	845.5
37.5°	902.0	842.0	779.4	736.5	709.8	689.5	681.9
40°	800.6	735.3	680.7	640.5	613.0	593.3	593.0
42.5°	708.2	645.8	594.4	565.5	535.9	522.8	522.7
45°	579.9	529.9	486.4	463.6	445.9	435.1	432.1
47.5°	480.1	438.9	409.8	391.7	377.2	370.4	365.9
50°	424.1	388.0	364.8	349.0	341.0	332.3	331.7
52.5°	377.5	348.3	330.3	317.5	307.3	302.0	302.2
55°	317.3	294.1	281.4	271.6	263.6	259.6	258.0
57.5°	267.3	249.9	240.6	231.8	228.3	225.2	224.3
60°	236.2	224.5	215.8	208.7	203.7	202.7	202.3
62.5°	210.4	198.2	192.2	186.8	183.0	181.5	180.9
65°	173.5	164.5	159.1	154.8	153.4	151.1	150.8
67.5°	139.9	134.5	131.0	127.9	126.1	126.0	126.0
70°	119.2	116.2	113.2	111.6	110.6	109.9	109.9
72.5°	101.6	99.4	96.9	96.0	95.8	95.1	94.9
75°	77.4	75.1	75.3	73.7	72.3	70.7	69.7
77.5°	54.8	53.2	52.9	52.7	51.5	51.3	51.8
80°	42.5	40.9	40.6	40.9	40.6	39.5	39.5
82.5°	32.4	31.0	30.7	30.4	30.0	30.4	29.9
85°	17.4	16.8	16.8	16.8	17.4	17.0	16.8
87.5°	11.4	11.4	11.8	11.6	11.7	11.5	11.9
90°	26.0	27.4	28.2	28.7	29.1	29.5	30.0
92.5°	42.0	42.8	43.3	43.7	43.9	44.2	44.4
95°	78.0	78.7	79.0	79.0	79.0	79.0	79.0
97.5°	122.6	123.5	123.8	123.8	123.8	123.8	123.8
100°	154.4	154.8	155.1	155.1	155.1	155.1	155.1
102.5°	188.6	189.2	189.5	189.8	189.9	190.1	190.3
105°	240.0	240.7	241.4	242.1	242.7	243.4	244.1
107.5°	295.8	296.4	296.7	296.6	296.6	296.5	296.5
110°	331.7	331.3	331.4	332.1	332.8	333.5	334.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.0	372.0	372.0	372.1	372.2	372.4	372.6
115°	433.4	433.3	433.0	432.8	432.6	432.4	432.1
117.5°	492.1	491.3	490.8	490.3	489.8	489.4	489.0
120°	531.8	530.7	530.4	530.8	531.2	531.8	532.2
122.5°	572.9	572.1	571.4	570.6	569.8	568.9	568.2
125°	632.8	632.4	632.0	631.5	631.1	630.6	630.2
127.5°	689.9	689.4	689.1	688.7	688.3	687.9	687.6
130°	729.9	729.4	728.8	727.9	727.0	726.1	725.2
132.5°	767.5	767.1	766.6	766.3	765.9	765.6	765.3
135°	823.9	823.5	822.9	822.3	821.6	820.9	820.3
137.5°	878.3	877.8	877.5	877.7	877.8	878.0	878.0
140°	914.6	914.4	914.2	914.0	913.7	913.5	913.3
142.5°	948.7	948.7	948.6	948.6	948.6	948.6	948.5
145°	999.6	999.4	998.9	998.3	997.6	997.0	996.3
147.5°	1046.0	1045.8	1045.6	1045.4	1045.2	1044.9	1044.7
150°	1075.3	1075.3	1075.2	1075.0	1074.8	1074.5	1074.4
152.5°	1103.4	1103.9	1103.9	1103.3	1102.7	1102.1	1101.6
155°	1142.0	1142.9	1142.9	1142.0	1141.2	1140.2	1139.4
157.5°	1175.5	1176.2	1176.2	1175.4	1174.7	1173.9	1173.2
160°	1196.4	1197.0	1196.8	1195.7	1194.6	1193.5	1192.4
162.5°	1215.6	1216.8	1216.9	1215.7	1214.6	1213.5	1212.4
165°	1240.4	1241.7	1241.9	1241.0	1240.2	1239.2	1238.4
167.5°	1261.2	1262.5	1262.5	1261.1	1259.7	1258.4	1257.0
170°	1272.4	1273.8	1273.6	1272.0	1270.5	1268.9	1267.4
172.5°	1280.9	1282.5	1282.5	1280.8	1279.3	1277.7	1276.2
175°	1290.0	1291.6	1291.6	1290.0	1288.5	1286.9	1285.4
177.5°	1294.8	1296.0	1295.9	1294.4	1293.0	1291.6	1290.2
180°	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4	1293.4

(END OF REPORT)