

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: P333043-935

Luminaire Tested: **S124RDIW-S575D1050U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333043-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S575D1050U935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5713.0 lumens
Efficiency: N/A
Efficacy: 126.4 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

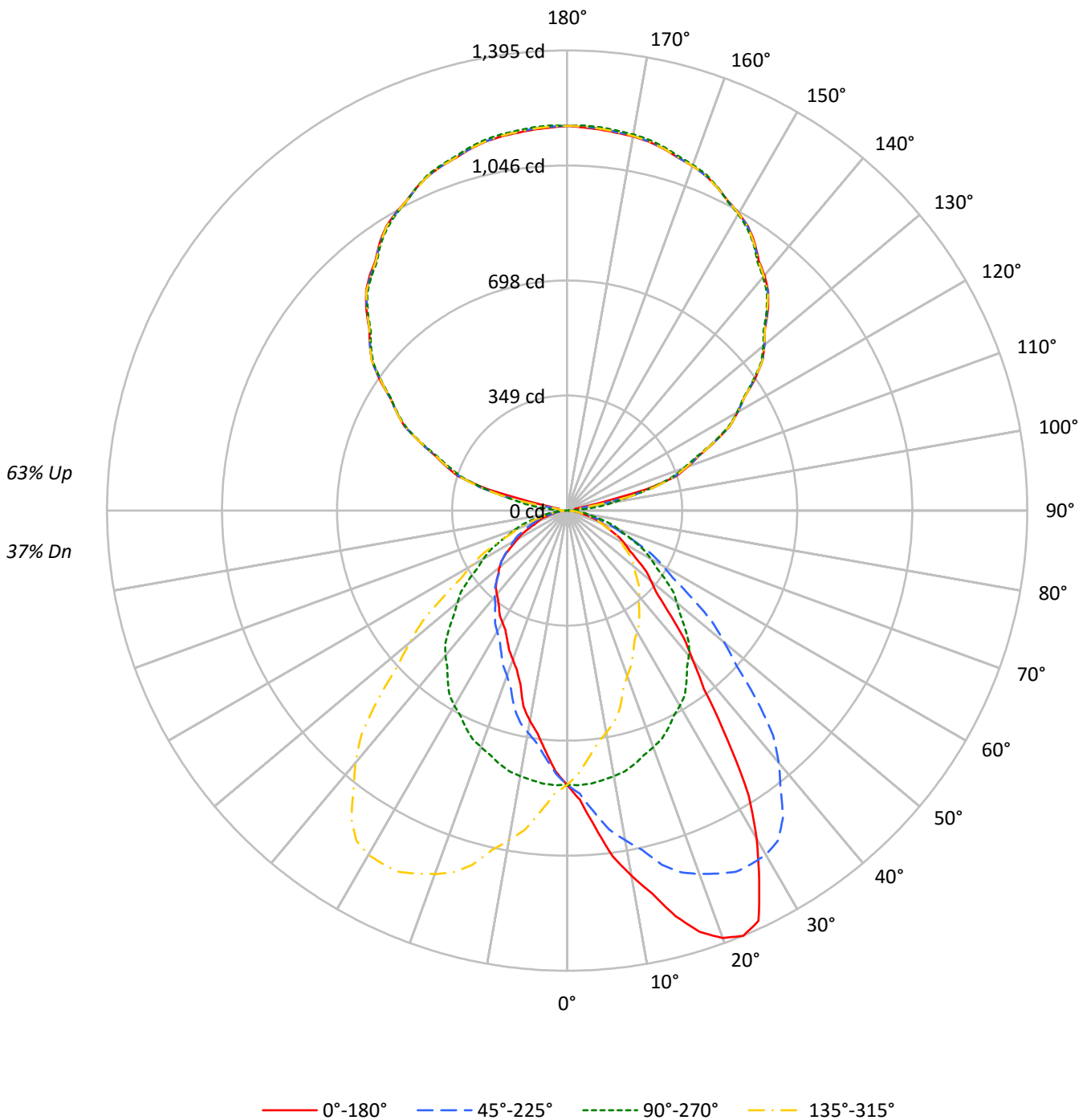
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333043-935

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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	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	39	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	41	39	36	31	29	28	23
4	73	62	55	49	66	57	50	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	21	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



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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	3.3
70°-80°	94.1	1.6
80°-90°	26.6	0.5
90°-100°	39.9	0.7
100°-110°	254.3	4.5
110°-120°	486.6	8.5
120°-130°	617.7	10.8
130°-140°	660.8	11.6
140°-150°	618.0	10.8
150°-160°	498.3	8.7
160°-170°	321.4	5.6
170°-180°	110.8	1.9
0°-30°	703.7	12.3
0°-40°	1126.2	19.7
0°-60°	1793.2	31.4
0°-90°	2105.1	36.8
90°-120°	780.8	13.7
90°-150°	2677.3	46.9
90°-180°	3608.0	63.2
0°-180°	5713.0	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°	26	3	26	3	26	12
95°	25	48	25	48	25	20
105°	249	263	249	263	249	217
115°	494	490	494	490	494	489
125°	694	689	694	689	694	618
135°	861	855	861	855	861	663
145°	991	986	991	986	991	619
155°	1080	1081	1080	1081	1080	498
165°	1135	1140	1135	1140	1135	321
175°	1159	1166	1159	1166	1159	110
180°	1166	1166	1166	1166	1166	



TEST NUMBER: P333043-935

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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°	11.1	10.8	10.9	10.9	11.1	10.7	10.7	11.0	10.2	10.2	10.0
90°	26.2	25.7	25.4	25.0	24.6	23.8	22.6	21.5	20.3	19.2	17.7
92.5°	24.1	24.0	23.9	23.8	23.8	23.2	22.0	20.8	19.6	18.5	17.0
95°	25.3	25.1	24.9	24.7	24.5	23.8	22.6	21.5	20.3	19.2	19.0
97.5°	24.5	24.2	24.0	23.8	23.7	23.5	23.4	23.2	23.2	23.0	44.7
100°	24.5	24.2	24.0	23.8	23.7	25.2	28.5	31.8	35.1	38.4	65.2
102.5°	25.1	25.1	25.1	25.0	25.0	42.7	78.3	113.8	149.4	184.9	188.4
105°	248.7	255.6	262.6	269.6	276.6	279.1	277.4	275.7	273.9	272.2	271.2
107.5°	346.5	345.8	345.0	344.3	343.5	342.8	341.9	341.0	340.2	339.3	338.0
110°	389.1	388.5	387.9	387.4	386.8	386.2	385.9	385.5	385.1	384.7	383.6



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	431.6	430.9	430.2	429.5	428.7	428.3	428.4	428.5	428.6	428.7	428.1
115°	493.8	493.8	493.8	493.8	493.8	493.5	493.2	492.8	492.4	492.0	492.2
117.5°	556.9	557.0	557.1	557.2	557.2	557.3	557.4	557.4	557.5	557.6	557.2
120°	596.7	597.1	597.4	597.9	598.2	598.2	597.9	597.4	597.1	596.7	596.8
122.5°	635.8	636.2	636.5	637.0	637.3	637.4	637.1	637.0	636.7	636.5	636.2
125°	694.4	694.2	694.0	693.8	693.6	693.2	692.7	692.1	691.5	690.9	691.3
127.5°	745.9	746.0	746.1	746.3	746.5	746.6	746.7	746.8	747.0	747.1	746.1
130°	780.8	780.8	780.8	780.8	780.8	780.7	780.5	780.2	780.1	779.9	779.3
132.5°	812.9	813.0	813.1	813.3	813.5	813.5	813.3	813.0	812.9	812.7	811.9
135°	861.0	860.7	860.2	859.9	859.5	859.1	858.7	858.3	857.9	857.6	856.8
137.5°	902.2	902.3	902.4	902.5	902.7	902.5	902.1	901.6	901.2	900.8	899.9
140°	930.8	930.6	930.4	930.2	930.1	929.6	929.0	928.5	927.9	927.3	927.0
142.5°	954.5	954.5	954.4	954.4	954.3	954.2	953.7	953.3	952.9	952.4	952.2
145°	991.0	990.6	990.2	989.8	989.5	989.1	988.9	988.8	988.6	988.3	988.3
147.5°	1021.1	1021.0	1020.8	1020.6	1020.4	1020.2	1020.0	1019.9	1019.8	1019.6	1019.8
150°	1040.7	1040.5	1040.3	1040.1	1039.9	1039.8	1039.8	1039.8	1039.8	1039.8	1040.0
152.5°	1057.5	1057.6	1057.7	1057.8	1057.9	1057.8	1057.5	1057.2	1056.9	1056.6	1057.0
155°	1080.0	1080.6	1081.2	1081.7	1082.3	1082.2	1081.4	1080.6	1079.9	1079.1	1079.7
157.5°	1098.8	1099.8	1100.8	1101.8	1102.9	1102.9	1101.8	1100.8	1099.8	1098.8	1099.5
160°	1111.4	1112.5	1113.7	1114.8	1116.0	1116.0	1114.8	1113.7	1112.5	1111.4	1111.6
162.5°	1121.1	1122.5	1123.8	1125.1	1126.4	1126.4	1125.3	1124.1	1123.0	1121.8	1122.1
165°	1134.9	1136.7	1138.4	1140.1	1141.9	1142.0	1140.5	1138.9	1137.4	1135.8	1135.8
167.5°	1145.2	1147.2	1149.1	1151.1	1153.0	1153.1	1151.4	1149.7	1148.0	1146.2	1146.4
170°	1151.5	1153.4	1155.4	1157.3	1159.3	1159.4	1157.9	1156.3	1154.8	1153.2	1153.1
172.5°	1154.9	1157.1	1159.2	1161.2	1163.4	1163.6	1162.1	1160.5	1159.0	1157.4	1157.3
175°	1159.3	1161.7	1164.0	1166.3	1168.6	1169.0	1167.2	1165.4	1163.7	1162.0	1161.7
177.5°	1162.2	1164.0	1165.9	1167.7	1169.6	1169.9	1168.6	1167.4	1166.1	1164.9	1164.6
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	9.6	9.0	9.3	9.0	8.8	9.4	9.8	9.6	9.3	8.9	8.5
90°	16.1	14.6	13.0	11.1	9.0	6.9	4.7	2.6	4.7	6.9	9.0
92.5°	15.4	13.9	12.3	11.5	11.4	11.2	11.1	11.0	11.1	11.2	11.4
95°	18.8	18.6	18.4	21.6	28.2	34.8	41.4	48.0	41.4	34.8	28.2
97.5°	66.3	87.9	109.6	118.3	114.3	110.1	106.0	101.9	106.0	110.1	114.3
100°	91.9	118.6	145.4	157.0	153.5	150.1	146.5	143.1	146.5	150.1	153.5
102.5°	191.9	195.4	198.9	199.3	196.8	194.2	191.7	189.2	191.7	194.2	196.8
105°	270.3	269.2	268.3	267.3	266.0	264.9	263.7	262.6	263.7	264.9	266.0
107.5°	336.7	335.4	334.1	333.1	332.5	331.9	331.4	330.8	331.4	331.9	332.5
110°	382.4	381.3	380.0	379.2	378.6	378.0	377.5	376.9	377.5	378.0	378.6



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	427.6	427.1	426.5	425.7	424.6	423.6	422.6	421.5	422.6	423.6	424.6
115°	492.4	492.6	492.8	492.6	492.0	491.5	490.9	490.3	490.9	491.5	492.0
117.5°	556.7	556.3	555.9	555.3	554.5	553.7	552.9	552.2	552.9	553.7	554.5
120°	597.1	597.3	597.4	597.2	596.4	595.6	594.9	594.1	594.9	595.6	596.4
122.5°	635.9	635.7	635.4	635.0	634.6	634.0	633.6	633.2	633.6	634.0	634.6
125°	691.6	692.1	692.4	692.2	691.5	690.7	689.9	689.1	689.9	690.7	691.5
127.5°	745.3	744.4	743.5	743.0	742.8	742.6	742.4	742.2	742.4	742.6	742.8
130°	778.7	778.2	777.6	777.1	777.0	776.8	776.6	776.4	776.6	776.8	777.0
132.5°	811.2	810.5	809.8	809.2	808.8	808.5	808.1	807.8	808.1	808.5	808.8
135°	856.0	855.2	854.5	854.1	854.3	854.5	854.7	854.9	854.7	854.5	854.3
137.5°	899.1	898.2	897.3	896.9	896.8	896.7	896.6	896.6	896.6	896.7	896.8
140°	926.5	926.2	925.7	925.4	925.0	924.6	924.2	923.9	924.2	924.6	925.0
142.5°	951.9	951.7	951.5	951.1	950.4	949.6	948.9	948.2	948.9	949.6	950.4
145°	988.3	988.3	988.3	988.1	987.5	986.9	986.4	985.8	986.4	986.9	987.5
147.5°	1020.0	1020.2	1020.4	1019.9	1018.8	1017.8	1016.7	1015.5	1016.7	1017.8	1018.8
150°	1040.3	1040.4	1040.6	1040.3	1039.6	1038.8	1038.0	1037.2	1038.0	1038.8	1039.6
152.5°	1057.3	1057.7	1058.0	1057.8	1057.2	1056.6	1056.0	1055.3	1056.0	1056.6	1057.2
155°	1080.3	1080.8	1081.4	1081.6	1081.4	1081.2	1081.1	1080.8	1081.1	1081.2	1081.4
157.5°	1100.1	1100.8	1101.5	1101.8	1101.9	1102.1	1102.2	1102.3	1102.2	1102.1	1101.9
160°	1111.7	1112.0	1112.2	1112.5	1113.1	1113.7	1114.3	1114.8	1114.3	1113.7	1113.1
162.5°	1122.2	1122.4	1122.6	1123.1	1123.8	1124.6	1125.3	1126.0	1125.3	1124.6	1123.8
165°	1135.8	1135.8	1135.8	1136.3	1137.2	1138.2	1139.2	1140.1	1139.2	1138.2	1137.2
167.5°	1146.5	1146.6	1146.8	1147.3	1148.3	1149.3	1150.3	1151.3	1150.3	1149.3	1148.3
170°	1152.9	1152.6	1152.4	1153.0	1154.1	1155.3	1156.4	1157.6	1156.4	1155.3	1154.1
172.5°	1157.0	1156.8	1156.7	1157.1	1158.3	1159.4	1160.6	1161.7	1160.6	1159.4	1158.3
175°	1161.6	1161.4	1161.2	1161.7	1162.9	1164.0	1165.2	1166.3	1165.2	1164.0	1162.9
177.5°	1164.3	1164.0	1163.7	1164.1	1165.2	1166.2	1167.3	1168.4	1167.3	1166.2	1165.2
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	9.0	9.0	9.3	9.1	9.7	10.0	10.0	10.2	10.7	10.4	10.6
90°	11.1	13.0	14.6	16.1	17.7	19.2	20.3	21.5	22.6	23.8	24.6
92.5°	11.5	12.3	13.9	15.4	17.0	18.5	19.6	20.8	22.0	23.2	23.8
95°	21.6	18.4	18.6	18.8	19.0	19.2	20.3	21.5	22.6	23.8	24.5
97.5°	118.3	109.6	87.9	66.3	44.7	23.0	23.2	23.2	23.4	23.5	23.7
100°	157.0	145.4	118.6	91.9	65.2	38.4	35.1	31.8	28.5	25.2	23.7
102.5°	199.3	198.9	195.4	191.9	188.4	184.9	149.4	113.8	78.3	42.7	25.0
105°	267.3	268.3	269.2	270.3	271.2	272.2	273.9	275.7	277.4	279.1	276.6
107.5°	333.1	334.1	335.4	336.7	338.0	339.3	340.2	341.0	341.9	342.8	343.5
110°	379.2	380.0	381.3	382.4	383.6	384.7	385.1	385.5	385.9	386.2	386.8



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	425.7	426.5	427.1	427.6	428.1	428.7	428.6	428.5	428.4	428.3	428.7
115°	492.6	492.8	492.6	492.4	492.2	492.0	492.4	492.8	493.2	493.5	493.8
117.5°	555.3	555.9	556.3	556.7	557.2	557.6	557.5	557.4	557.4	557.3	557.2
120°	597.2	597.4	597.3	597.1	596.8	596.7	597.1	597.4	597.9	598.2	598.2
122.5°	635.0	635.4	635.7	635.9	636.2	636.5	636.7	637.0	637.1	637.4	637.3
125°	692.2	692.4	692.1	691.6	691.3	690.9	691.5	692.1	692.7	693.2	693.6
127.5°	743.0	743.5	744.4	745.3	746.1	747.1	747.0	746.8	746.7	746.6	746.5
130°	777.1	777.6	778.2	778.7	779.3	779.9	780.1	780.2	780.5	780.7	780.8
132.5°	809.2	809.8	810.5	811.2	811.9	812.7	812.9	813.0	813.3	813.5	813.5
135°	854.1	854.5	855.2	856.0	856.8	857.6	857.9	858.3	858.7	859.1	859.5
137.5°	896.9	897.3	898.2	899.1	899.9	900.8	901.2	901.6	902.1	902.5	902.7
140°	925.4	925.7	926.2	926.5	927.0	927.3	927.9	928.5	929.0	929.6	930.1
142.5°	951.1	951.5	951.7	951.9	952.2	952.4	952.9	953.3	953.7	954.2	954.3
145°	988.1	988.3	988.3	988.3	988.3	988.3	988.6	988.8	988.9	989.1	989.5
147.5°	1019.9	1020.4	1020.2	1020.0	1019.8	1019.6	1019.8	1019.9	1020.0	1020.2	1020.4
150°	1040.3	1040.6	1040.4	1040.3	1040.0	1039.8	1039.8	1039.8	1039.8	1039.8	1039.9
152.5°	1057.8	1058.0	1057.7	1057.3	1057.0	1056.6	1056.9	1057.2	1057.5	1057.8	1057.9
155°	1081.6	1081.4	1080.8	1080.3	1079.7	1079.1	1079.9	1080.6	1081.4	1082.2	1082.3
157.5°	1101.8	1101.5	1100.8	1100.1	1099.5	1098.8	1099.8	1100.8	1101.8	1102.9	1102.9
160°	1112.5	1112.2	1112.0	1111.7	1111.6	1111.4	1112.5	1113.7	1114.8	1116.0	1116.0
162.5°	1123.1	1122.6	1122.4	1122.2	1122.1	1121.8	1123.0	1124.1	1125.3	1126.4	1126.4
165°	1136.3	1135.8	1135.8	1135.8	1135.8	1135.8	1137.4	1138.9	1140.5	1142.0	1141.9
167.5°	1147.3	1146.8	1146.6	1146.5	1146.4	1146.2	1148.0	1149.7	1151.4	1153.1	1153.0
170°	1153.0	1152.4	1152.6	1152.9	1153.1	1153.2	1154.8	1156.3	1157.9	1159.4	1159.3
172.5°	1157.1	1156.7	1156.8	1157.0	1157.3	1157.4	1159.0	1160.5	1162.1	1163.6	1163.4
175°	1161.7	1161.2	1161.4	1161.6	1161.7	1162.0	1163.7	1165.4	1167.2	1169.0	1168.6
177.5°	1164.1	1163.7	1164.0	1164.3	1164.6	1164.9	1166.1	1167.4	1168.6	1169.9	1169.6
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	11.2	10.9	10.8	11.1	10.8	10.9	11.2	10.6	10.4	10.7	10.2
90°	25.0	25.4	25.7	26.2	25.7	25.4	25.0	24.6	23.8	22.6	21.5
92.5°	23.8	23.9	24.0	24.1	24.0	23.9	23.8	23.8	23.2	22.0	20.8
95°	24.7	24.9	25.1	25.3	25.1	24.9	24.7	24.5	23.8	22.6	21.5
97.5°	23.8	24.0	24.2	24.5	24.2	24.0	23.8	23.7	23.5	23.4	23.2
100°	23.8	24.0	24.2	24.5	24.2	24.0	23.8	23.7	25.2	28.5	31.8
102.5°	25.0	25.1	25.1	25.1	25.1	25.1	25.0	25.0	42.7	78.3	113.8
105°	269.6	262.6	255.6	248.7	255.6	262.6	269.6	276.6	279.1	277.4	275.7
107.5°	344.3	345.0	345.8	346.5	345.8	345.0	344.3	343.5	342.8	341.9	341.0
110°	387.4	387.9	388.5	389.1	388.5	387.9	387.4	386.8	386.2	385.9	385.5



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	429.5	430.2	430.9	431.6	430.9	430.2	429.5	428.7	428.3	428.4	428.5
115°	493.8	493.8	493.8	493.8	493.8	493.8	493.8	493.8	493.5	493.2	492.8
117.5°	557.2	557.1	557.0	556.9	557.0	557.1	557.2	557.2	557.3	557.4	557.4
120°	597.9	597.4	597.1	596.7	597.1	597.4	597.9	598.2	598.2	597.9	597.4
122.5°	637.0	636.5	636.2	635.8	636.2	636.5	637.0	637.3	637.4	637.1	637.0
125°	693.8	694.0	694.2	694.4	694.2	694.0	693.8	693.6	693.2	692.7	692.1
127.5°	746.3	746.1	746.0	745.9	746.0	746.1	746.3	746.5	746.6	746.7	746.8
130°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.7	780.5	780.2
132.5°	813.3	813.1	813.0	812.9	813.0	813.1	813.3	813.5	813.5	813.3	813.0
135°	859.9	860.2	860.7	861.0	860.7	860.2	859.9	859.5	859.1	858.7	858.3
137.5°	902.5	902.4	902.3	902.2	902.3	902.4	902.5	902.7	902.5	902.1	901.6
140°	930.2	930.4	930.6	930.8	930.6	930.4	930.2	930.1	929.6	929.0	928.5
142.5°	954.4	954.4	954.5	954.5	954.5	954.4	954.4	954.3	954.2	953.7	953.3
145°	989.8	990.2	990.6	991.0	990.6	990.2	989.8	989.5	989.1	988.9	988.8
147.5°	1020.6	1020.8	1021.0	1021.1	1021.0	1020.8	1020.6	1020.4	1020.2	1020.0	1019.9
150°	1040.1	1040.3	1040.5	1040.7	1040.5	1040.3	1040.1	1039.9	1039.8	1039.8	1039.8
152.5°	1057.8	1057.7	1057.6	1057.5	1057.6	1057.7	1057.8	1057.9	1057.8	1057.5	1057.2
155°	1081.7	1081.2	1080.6	1080.0	1080.6	1081.2	1081.7	1082.3	1082.2	1081.4	1080.6
157.5°	1101.8	1100.8	1099.8	1098.8	1099.8	1100.8	1101.8	1102.9	1102.9	1101.8	1100.8
160°	1114.8	1113.7	1112.5	1111.4	1112.5	1113.7	1114.8	1116.0	1116.0	1114.8	1113.7
162.5°	1125.1	1123.8	1122.5	1121.1	1122.5	1123.8	1125.1	1126.4	1126.4	1125.3	1124.1
165°	1140.1	1138.4	1136.7	1134.9	1136.7	1138.4	1140.1	1141.9	1142.0	1140.5	1138.9
167.5°	1151.1	1149.1	1147.2	1145.2	1147.2	1149.1	1151.1	1153.0	1153.1	1151.4	1149.7
170°	1157.3	1155.4	1153.4	1151.5	1153.4	1155.4	1157.3	1159.3	1159.4	1157.9	1156.3
172.5°	1161.2	1159.2	1157.1	1154.9	1157.1	1159.2	1161.2	1163.4	1163.6	1162.1	1160.5
175°	1166.3	1164.0	1161.7	1159.3	1161.7	1164.0	1166.3	1168.6	1169.0	1167.2	1165.4
177.5°	1167.7	1165.9	1164.0	1162.2	1164.0	1165.9	1167.7	1169.6	1169.9	1168.6	1167.4
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	10.0	10.0	9.7	9.1	9.3	9.0	9.0	8.5	8.9	9.3	9.6
90°	20.3	19.2	17.7	16.1	14.6	13.0	11.1	9.0	6.9	4.7	2.6
92.5°	19.6	18.5	17.0	15.4	13.9	12.3	11.5	11.4	11.2	11.1	11.0
95°	20.3	19.2	19.0	18.8	18.6	18.4	21.6	28.2	34.8	41.4	48.0
97.5°	23.2	23.0	44.7	66.3	87.9	109.6	118.3	114.3	110.1	106.0	101.9
100°	35.1	38.4	65.2	91.9	118.6	145.4	157.0	153.5	150.1	146.5	143.1
102.5°	149.4	184.9	188.4	191.9	195.4	198.9	199.3	196.8	194.2	191.7	189.2
105°	273.9	272.2	271.2	270.3	269.2	268.3	267.3	266.0	264.9	263.7	262.6
107.5°	340.2	339.3	338.0	336.7	335.4	334.1	333.1	332.5	331.9	331.4	330.8
110°	385.1	384.7	383.6	382.4	381.3	380.0	379.2	378.6	378.0	377.5	376.9



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	428.6	428.7	428.1	427.6	427.1	426.5	425.7	424.6	423.6	422.6	421.5
115°	492.4	492.0	492.2	492.4	492.6	492.8	492.6	492.0	491.5	490.9	490.3
117.5°	557.5	557.6	557.2	556.7	556.3	555.9	555.3	554.5	553.7	552.9	552.2
120°	597.1	596.7	596.8	597.1	597.3	597.4	597.2	596.4	595.6	594.9	594.1
122.5°	636.7	636.5	636.2	635.9	635.7	635.4	635.0	634.6	634.0	633.6	633.2
125°	691.5	690.9	691.3	691.6	692.1	692.4	692.2	691.5	690.7	689.9	689.1
127.5°	747.0	747.1	746.1	745.3	744.4	743.5	743.0	742.8	742.6	742.4	742.2
130°	780.1	779.9	779.3	778.7	778.2	777.6	777.1	777.0	776.8	776.6	776.4
132.5°	812.9	812.7	811.9	811.2	810.5	809.8	809.2	808.8	808.5	808.1	807.8
135°	857.9	857.6	856.8	856.0	855.2	854.5	854.1	854.3	854.5	854.7	854.9
137.5°	901.2	900.8	899.9	899.1	898.2	897.3	896.9	896.8	896.7	896.6	896.6
140°	927.9	927.3	927.0	926.5	926.2	925.7	925.4	925.0	924.6	924.2	923.9
142.5°	952.9	952.4	952.2	951.9	951.7	951.5	951.1	950.4	949.6	948.9	948.2
145°	988.6	988.3	988.3	988.3	988.3	988.3	988.1	987.5	986.9	986.4	985.8
147.5°	1019.8	1019.6	1019.8	1020.0	1020.2	1020.4	1019.9	1018.8	1017.8	1016.7	1015.5
150°	1039.8	1039.8	1040.0	1040.3	1040.4	1040.6	1040.3	1039.6	1038.8	1038.0	1037.2
152.5°	1056.9	1056.6	1057.0	1057.3	1057.7	1058.0	1057.8	1057.2	1056.6	1056.0	1055.3
155°	1079.9	1079.1	1079.7	1080.3	1080.8	1081.4	1081.6	1081.4	1081.2	1081.1	1080.8
157.5°	1099.8	1098.8	1099.5	1100.1	1100.8	1101.5	1101.8	1101.9	1102.1	1102.2	1102.3
160°	1112.5	1111.4	1111.6	1111.7	1112.0	1112.2	1112.5	1113.1	1113.7	1114.3	1114.8
162.5°	1123.0	1121.8	1122.1	1122.2	1122.4	1122.6	1123.1	1123.8	1124.6	1125.3	1126.0
165°	1137.4	1135.8	1135.8	1135.8	1135.8	1135.8	1136.3	1137.2	1138.2	1139.2	1140.1
167.5°	1148.0	1146.2	1146.4	1146.5	1146.6	1146.8	1147.3	1148.3	1149.3	1150.3	1151.3
170°	1154.8	1153.2	1153.1	1152.9	1152.6	1152.4	1153.0	1154.1	1155.3	1156.4	1157.6
172.5°	1159.0	1157.4	1157.3	1157.0	1156.8	1156.7	1157.1	1158.3	1159.4	1160.6	1161.7
175°	1163.7	1162.0	1161.7	1161.6	1161.4	1161.2	1161.7	1162.9	1164.0	1165.2	1166.3
177.5°	1166.1	1164.9	1164.6	1164.3	1164.0	1163.7	1164.1	1165.2	1166.2	1167.3	1168.4
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	9.8	9.4	8.8	9.0	9.3	9.0	9.6	10.0	10.2	10.2	11.0
90°	4.7	6.9	9.0	11.1	13.0	14.6	16.1	17.7	19.2	20.3	21.5
92.5°	11.1	11.2	11.4	11.5	12.3	13.9	15.4	17.0	18.5	19.6	20.8
95°	41.4	34.8	28.2	21.6	18.4	18.6	18.8	19.0	19.2	20.3	21.5
97.5°	106.0	110.1	114.3	118.3	109.6	87.9	66.3	44.7	23.0	23.2	23.2
100°	146.5	150.1	153.5	157.0	145.4	118.6	91.9	65.2	38.4	35.1	31.8
102.5°	191.7	194.2	196.8	199.3	198.9	195.4	191.9	188.4	184.9	149.4	113.8
105°	263.7	264.9	266.0	267.3	268.3	269.2	270.3	271.2	272.2	273.9	275.7
107.5°	331.4	331.9	332.5	333.1	334.1	335.4	336.7	338.0	339.3	340.2	341.0
110°	377.5	378.0	378.6	379.2	380.0	381.3	382.4	383.6	384.7	385.1	385.5



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	422.6	423.6	424.6	425.7	426.5	427.1	427.6	428.1	428.7	428.6	428.5
115°	490.9	491.5	492.0	492.6	492.8	492.6	492.4	492.2	492.0	492.4	492.8
117.5°	552.9	553.7	554.5	555.3	555.9	556.3	556.7	557.2	557.6	557.5	557.4
120°	594.9	595.6	596.4	597.2	597.4	597.3	597.1	596.8	596.7	597.1	597.4
122.5°	633.6	634.0	634.6	635.0	635.4	635.7	635.9	636.2	636.5	636.7	637.0
125°	689.9	690.7	691.5	692.2	692.4	692.1	691.6	691.3	690.9	691.5	692.1
127.5°	742.4	742.6	742.8	743.0	743.5	744.4	745.3	746.1	747.1	747.0	746.8
130°	776.6	776.8	777.0	777.1	777.6	778.2	778.7	779.3	779.9	780.1	780.2
132.5°	808.1	808.5	808.8	809.2	809.8	810.5	811.2	811.9	812.7	812.9	813.0
135°	854.7	854.5	854.3	854.1	854.5	855.2	856.0	856.8	857.6	857.9	858.3
137.5°	896.6	896.7	896.8	896.9	897.3	898.2	899.1	899.9	900.8	901.2	901.6
140°	924.2	924.6	925.0	925.4	925.7	926.2	926.5	927.0	927.3	927.9	928.5
142.5°	948.9	949.6	950.4	951.1	951.5	951.7	951.9	952.2	952.4	952.9	953.3
145°	986.4	986.9	987.5	988.1	988.3	988.3	988.3	988.3	988.3	988.6	988.8
147.5°	1016.7	1017.8	1018.8	1019.9	1020.4	1020.2	1020.0	1019.8	1019.6	1019.8	1019.9
150°	1038.0	1038.8	1039.6	1040.3	1040.6	1040.4	1040.3	1040.0	1039.8	1039.8	1039.8
152.5°	1056.0	1056.6	1057.2	1057.8	1058.0	1057.7	1057.3	1057.0	1056.6	1056.9	1057.2
155°	1081.1	1081.2	1081.4	1081.6	1081.4	1080.8	1080.3	1079.7	1079.1	1079.9	1080.6
157.5°	1102.2	1102.1	1101.9	1101.8	1101.5	1100.8	1100.1	1099.5	1098.8	1099.8	1100.8
160°	1114.3	1113.7	1113.1	1112.5	1112.2	1112.0	1111.7	1111.6	1111.4	1112.5	1113.7
162.5°	1125.3	1124.6	1123.8	1123.1	1122.6	1122.4	1122.2	1122.1	1121.8	1123.0	1124.1
165°	1139.2	1138.2	1137.2	1136.3	1135.8	1135.8	1135.8	1135.8	1135.8	1137.4	1138.9
167.5°	1150.3	1149.3	1148.3	1147.3	1146.8	1146.6	1146.5	1146.4	1146.2	1148.0	1149.7
170°	1156.4	1155.3	1154.1	1153.0	1152.4	1152.6	1152.9	1153.1	1153.2	1154.8	1156.3
172.5°	1160.6	1159.4	1158.3	1157.1	1156.7	1156.8	1157.0	1157.3	1157.4	1159.0	1160.5
175°	1165.2	1164.0	1162.9	1161.7	1161.2	1161.4	1161.6	1161.7	1162.0	1163.7	1165.4
177.5°	1167.3	1166.2	1165.2	1164.1	1163.7	1164.0	1164.3	1164.6	1164.9	1166.1	1167.4
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

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°	10.7	10.7	11.1	10.9	10.9	10.8	11.1
90°	22.6	23.8	24.6	25.0	25.4	25.7	26.2
92.5°	22.0	23.2	23.8	23.8	23.9	24.0	24.1
95°	22.6	23.8	24.5	24.7	24.9	25.1	25.3
97.5°	23.4	23.5	23.7	23.8	24.0	24.2	24.5
100°	28.5	25.2	23.7	23.8	24.0	24.2	24.5
102.5°	78.3	42.7	25.0	25.0	25.1	25.1	25.1
105°	277.4	279.1	276.6	269.6	262.6	255.6	248.7
107.5°	341.9	342.8	343.5	344.3	345.0	345.8	346.5
110°	385.9	386.2	386.8	387.4	387.9	388.5	389.1



TEST NUMBER: P333043-935

CATALOG NUMBER: S124RDIW-S575D1050U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	428.4	428.3	428.7	429.5	430.2	430.9	431.6
115°	493.2	493.5	493.8	493.8	493.8	493.8	493.8
117.5°	557.4	557.3	557.2	557.2	557.1	557.0	556.9
120°	597.9	598.2	598.2	597.9	597.4	597.1	596.7
122.5°	637.1	637.4	637.3	637.0	636.5	636.2	635.8
125°	692.7	693.2	693.6	693.8	694.0	694.2	694.4
127.5°	746.7	746.6	746.5	746.3	746.1	746.0	745.9
130°	780.5	780.7	780.8	780.8	780.8	780.8	780.8
132.5°	813.3	813.5	813.5	813.3	813.1	813.0	812.9
135°	858.7	859.1	859.5	859.9	860.2	860.7	861.0
137.5°	902.1	902.5	902.7	902.5	902.4	902.3	902.2
140°	929.0	929.6	930.1	930.2	930.4	930.6	930.8
142.5°	953.7	954.2	954.3	954.4	954.4	954.5	954.5
145°	988.9	989.1	989.5	989.8	990.2	990.6	991.0
147.5°	1020.0	1020.2	1020.4	1020.6	1020.8	1021.0	1021.1
150°	1039.8	1039.8	1039.9	1040.1	1040.3	1040.5	1040.7
152.5°	1057.5	1057.8	1057.9	1057.8	1057.7	1057.6	1057.5
155°	1081.4	1082.2	1082.3	1081.7	1081.2	1080.6	1080.0
157.5°	1101.8	1102.9	1102.9	1101.8	1100.8	1099.8	1098.8
160°	1114.8	1116.0	1116.0	1114.8	1113.7	1112.5	1111.4
162.5°	1125.3	1126.4	1126.4	1125.1	1123.8	1122.5	1121.1
165°	1140.5	1142.0	1141.9	1140.1	1138.4	1136.7	1134.9
167.5°	1151.4	1153.1	1153.0	1151.1	1149.1	1147.2	1145.2
170°	1157.9	1159.4	1159.3	1157.3	1155.4	1153.4	1151.5
172.5°	1162.1	1163.6	1163.4	1161.2	1159.2	1157.1	1154.9
175°	1167.2	1169.0	1168.6	1166.3	1164.0	1161.7	1159.3
177.5°	1168.6	1169.9	1169.6	1167.7	1165.9	1164.0	1162.2
180°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3

(END OF REPORT)