

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: P332758

Luminaire Tested: **S124DIW-S575D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332758
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: S124DIW-S575D1050U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6229.4 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

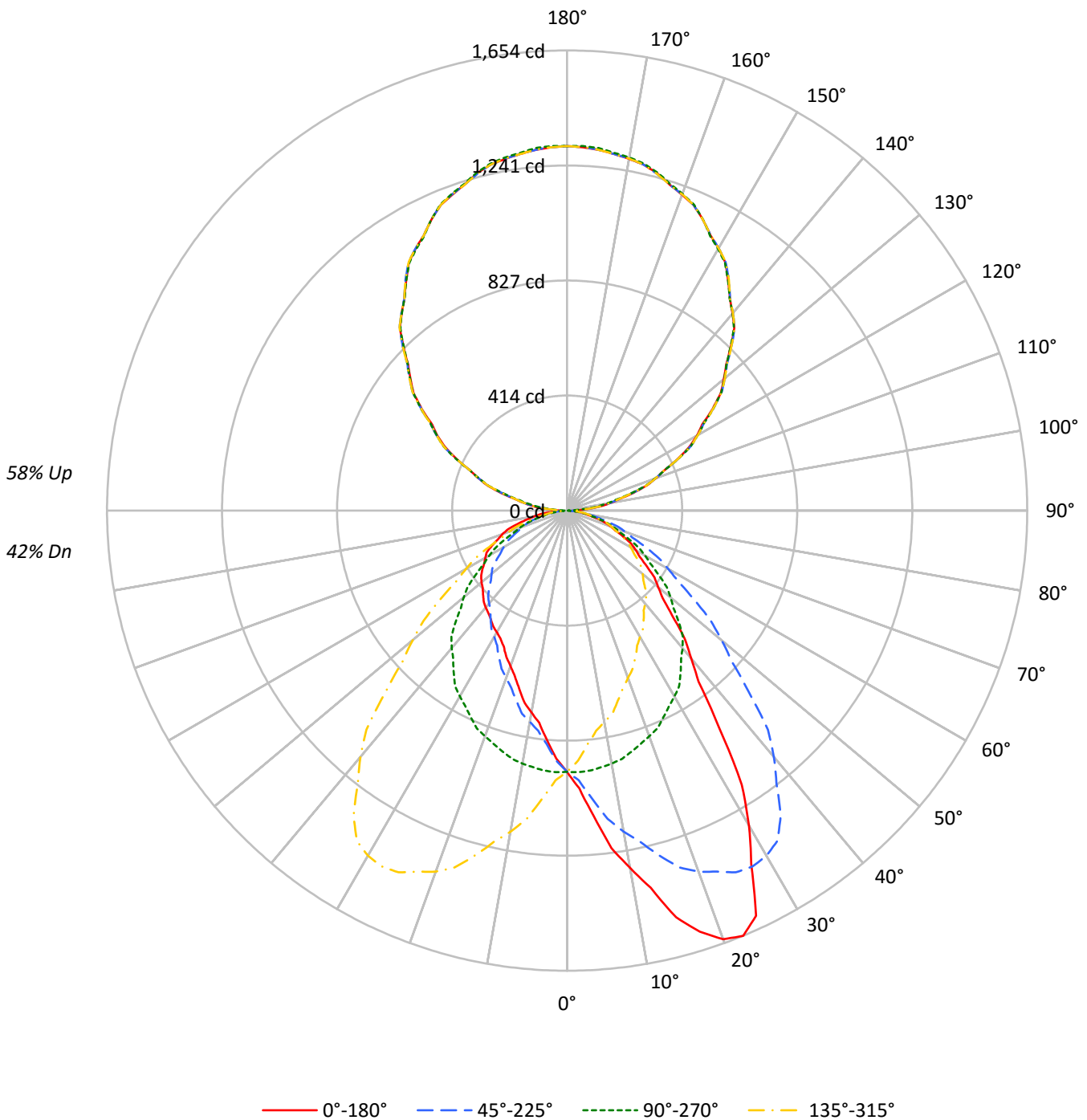
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	42					42			
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35					35			
2	88	80	74	69	80	74	69	64	61	57	54	49	46	44	38	36	35	30					30			
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	26					26			
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22					22			
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19					19			
6	62	50	42	37	56	46	39	34	39	33	29	32	28	25	25	22	20	17					17			
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15					15			
8	53	41	34	28	48	38	31	27	32	27	23	26	22	19	21	18	16	14					14			
9	49	37	30	25	45	35	28	24	29	24	21	24	20	18	19	17	14	12					12			
10	46	34	27	23	42	32	25	21	27	22	18	22	19	16	18	15	13	11					11			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.5
10°-20°	282.0	4.5
20°-30°	447.2	7.2
30°-40°	497.7	8.0
40°-50°	453.1	7.3
50°-60°	370.2	5.9
60°-70°	264.3	4.2
70°-80°	145.5	2.3
80°-90°	43.6	0.7
90°-100°	86.4	1.4
100°-110°	255.9	4.1
110°-120°	434.4	7.0
120°-130°	572.8	9.2
130°-140°	643.3	10.3
140°-150°	632.1	10.1
150°-160°	531.7	8.5
160°-170°	353.7	5.7
170°-180°	123.9	2.0
0°-30°	820.8	13.2
0°-40°	1318.5	21.2
0°-60°	2141.8	34.4
0°-90°	2595.3	41.7
90°-120°	776.7	12.5
90°-150°	2624.9	42.1
90°-180°	3634.0	58.3
0°-180°	6229.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	30	3	30	3	30	16
95°	80	61	80	61	80	83
105°	247	236	247	236	247	261
115°	438	442	438	442	438	433
125°	638	643	638	643	638	569
135°	831	830	831	830	831	642
145°	1009	1008	1009	1008	1009	631
155°	1154	1155	1154	1155	1154	531
165°	1254	1257	1254	1257	1254	353
175°	1302	1308	1302	1308	1302	124
180°	1310	1310	1310	1310	1310	



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	12.9	13.8	13.7	13.9	14.4	14.6	14.6	14.0	15.0	15.0	15.9
90°	30.4	29.9	29.5	29.0	28.6	27.7	26.3	25.0	23.6	22.3	20.5
92.5°	45.0	44.7	44.4	44.2	43.9	43.4	42.5	41.7	40.9	40.1	38.9
95°	80.0	80.0	80.0	80.0	80.0	79.7	79.0	78.3	77.7	77.0	75.4
97.5°	125.4	125.4	125.4	125.4	125.4	125.0	124.2	123.4	122.6	121.8	119.9
100°	157.0	157.0	157.0	157.0	157.0	156.8	156.3	155.9	155.4	155.0	153.0
102.5°	192.7	192.5	192.3	192.1	192.0	191.6	190.9	190.3	189.7	189.0	187.2
105°	247.2	246.5	245.8	245.2	244.5	243.8	243.1	242.5	241.8	241.1	240.2
107.5°	300.3	300.3	300.4	300.4	300.4	300.2	299.5	298.9	298.3	297.6	297.5
110°	338.4	337.7	337.0	336.3	335.7	335.5	336.0	336.4	336.9	337.3	337.6



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	377.3	377.1	377.0	376.9	376.7	376.7	376.8	376.9	377.0	377.1	377.5
115°	437.6	437.9	438.1	438.3	438.5	438.8	439.0	439.2	439.4	439.7	440.1
117.5°	495.2	495.6	496.1	496.5	497.0	497.6	498.3	499.1	499.9	500.6	501.0
120°	538.9	538.5	538.0	537.6	537.1	537.5	538.6	539.7	540.9	542.0	542.7
122.5°	575.4	576.2	577.0	577.8	578.6	579.4	580.2	581.0	581.7	582.5	582.8
125°	638.2	638.7	639.1	639.6	640.0	640.5	640.9	641.4	641.8	642.3	642.5
127.5°	696.4	696.7	697.1	697.4	697.8	698.2	698.7	699.1	699.6	700.0	700.4
130°	734.5	735.4	736.3	737.2	738.1	738.7	739.2	739.6	740.1	740.5	740.5
132.5°	775.0	775.3	775.7	776.1	776.4	776.8	777.3	777.7	778.2	778.6	778.8
135°	830.7	831.4	832.0	832.7	833.4	834.0	834.4	834.9	835.3	835.8	835.8
137.5°	889.2	889.1	889.0	888.8	888.7	888.9	889.5	890.1	890.7	891.3	890.9
140°	924.9	925.1	925.4	925.6	925.8	926.0	926.3	926.5	926.7	926.9	926.9
142.5°	960.6	960.6	960.7	960.7	960.7	960.8	960.8	960.9	960.9	961.0	961.2
145°	1009.0	1009.7	1010.3	1011.0	1011.7	1012.1	1012.4	1012.6	1012.8	1013.0	1012.8
147.5°	1058.0	1058.2	1058.5	1058.7	1058.9	1059.1	1059.3	1059.5	1059.7	1059.8	1060.0
150°	1088.0	1088.2	1088.5	1088.7	1088.9	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
152.5°	1115.6	1116.1	1116.7	1117.3	1117.9	1117.9	1117.4	1116.8	1116.3	1115.8	1115.6
155°	1153.9	1154.8	1155.7	1156.6	1157.5	1157.5	1156.6	1155.7	1154.8	1153.9	1154.1
157.5°	1188.1	1188.9	1189.6	1190.4	1191.2	1191.2	1190.5	1189.9	1189.2	1188.5	1188.5
160°	1207.5	1208.7	1209.8	1210.9	1212.0	1212.3	1211.6	1210.9	1210.2	1209.6	1209.8
162.5°	1227.8	1228.9	1230.1	1231.2	1232.3	1232.3	1231.0	1229.8	1228.6	1227.4	1227.6
165°	1254.1	1255.0	1255.9	1256.8	1257.7	1257.5	1256.2	1254.8	1253.5	1252.1	1252.6
167.5°	1273.0	1274.4	1275.8	1277.2	1278.6	1278.6	1277.2	1275.9	1274.5	1273.2	1273.1
170°	1283.5	1285.1	1286.7	1288.3	1289.8	1289.9	1288.6	1287.2	1285.9	1284.5	1284.3
172.5°	1292.4	1294.0	1295.6	1297.2	1298.7	1298.8	1297.2	1295.7	1294.2	1292.6	1292.6
175°	1301.8	1303.3	1304.9	1306.5	1308.1	1308.1	1306.5	1304.9	1303.3	1301.8	1302.0
177.5°	1306.6	1308.1	1309.5	1310.9	1312.4	1312.5	1311.2	1310.0	1308.7	1307.4	1307.4
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	15.6	15.5	14.8	13.2	11.7	10.3	9.5	8.7	9.5	10.3	11.1
90°	18.7	16.9	15.1	12.9	10.5	8.0	5.5	3.0	5.5	8.0	10.5
92.5°	37.6	36.3	35.1	33.0	30.2	27.4	24.5	21.7	24.5	27.4	30.2
95°	73.8	72.3	70.7	68.9	66.9	64.8	62.8	60.8	62.8	64.8	66.9
97.5°	118.1	116.2	114.4	112.7	111.0	109.4	107.8	106.2	107.8	109.4	111.0
100°	150.9	148.9	146.9	145.4	144.5	143.6	142.7	141.8	142.7	143.6	144.5
102.5°	185.3	183.5	181.6	180.5	180.2	179.8	179.5	179.1	179.5	179.8	180.2
105°	239.3	238.4	237.5	236.9	236.7	236.5	236.3	236.0	236.3	236.5	236.7
107.5°	297.4	297.2	297.1	296.9	296.6	296.3	296.1	295.8	296.1	296.3	296.6
110°	337.8	338.0	338.2	338.1	337.7	337.2	336.8	336.3	336.8	337.2	337.7



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	377.9	378.3	378.7	378.8	378.7	378.7	378.6	378.5	378.6	378.7	378.7
115°	440.6	441.0	441.5	441.7	441.7	441.7	441.7	441.7	441.7	441.7	441.7
117.5°	501.3	501.6	501.9	502.0	501.8	501.6	501.4	501.3	501.4	501.6	501.8
120°	543.3	544.0	544.7	544.6	543.7	542.8	541.9	541.0	541.9	542.8	543.7
122.5°	583.1	583.4	583.8	583.7	583.4	583.0	582.7	582.3	582.7	583.0	583.4
125°	642.7	642.9	643.2	643.3	643.3	643.3	643.3	643.3	643.3	643.3	643.3
127.5°	700.7	701.1	701.5	701.3	700.6	699.9	699.3	698.6	699.3	699.9	700.6
130°	740.5	740.5	740.5	740.2	739.5	738.8	738.2	737.5	738.2	738.8	739.5
132.5°	779.0	779.2	779.3	779.2	778.7	778.2	777.7	777.2	777.7	778.2	778.7
135°	835.8	835.8	835.8	835.1	833.7	832.4	831.0	829.7	831.0	832.4	833.7
137.5°	890.6	890.2	889.8	889.3	888.7	888.1	887.4	886.8	887.4	888.1	888.7
140°	926.9	926.9	926.9	926.7	926.3	925.8	925.4	924.9	925.4	925.8	926.3
142.5°	961.3	961.5	961.7	961.6	961.1	960.7	960.2	959.8	960.2	960.7	961.1
145°	1012.6	1012.4	1012.1	1011.6	1010.7	1009.8	1008.9	1008.0	1008.9	1009.8	1010.7
147.5°	1060.2	1060.4	1060.6	1060.1	1059.0	1058.0	1056.9	1055.8	1056.9	1058.0	1059.0
150°	1089.0	1089.0	1089.0	1088.6	1087.7	1086.8	1085.9	1085.0	1085.9	1086.8	1087.7
152.5°	1115.4	1115.2	1115.0	1114.7	1114.1	1113.6	1113.1	1112.5	1113.1	1113.6	1114.1
155°	1154.3	1154.5	1154.8	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9	1154.9
157.5°	1188.6	1188.6	1188.7	1188.9	1189.3	1189.7	1190.1	1190.5	1190.1	1189.7	1189.3
160°	1210.0	1210.2	1210.5	1210.7	1210.9	1211.1	1211.4	1211.6	1211.4	1211.1	1210.9
162.5°	1227.9	1228.1	1228.3	1228.7	1229.3	1229.9	1230.5	1231.0	1230.5	1229.9	1229.3
165°	1253.0	1253.5	1253.9	1254.5	1255.2	1255.8	1256.5	1257.2	1256.5	1255.8	1255.2
167.5°	1273.1	1273.1	1273.0	1273.5	1274.4	1275.4	1276.3	1277.2	1276.3	1275.4	1274.4
170°	1284.1	1283.9	1283.6	1284.1	1285.2	1286.3	1287.5	1288.6	1287.5	1286.3	1285.2
172.5°	1292.6	1292.5	1292.5	1292.9	1293.9	1294.8	1295.7	1296.7	1295.7	1294.8	1293.9
175°	1302.2	1302.4	1302.7	1303.3	1304.5	1305.6	1306.7	1307.8	1306.7	1305.6	1304.5
177.5°	1307.4	1307.4	1307.4	1307.9	1308.8	1309.7	1310.6	1311.5	1310.6	1309.7	1308.8
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	12.5	13.0	14.6	15.6	16.9	18.8	19.7	23.4	24.9	26.7	29.7
90°	12.9	15.1	16.9	18.7	20.5	22.3	23.6	25.0	26.3	27.7	28.6
92.5°	33.0	35.1	36.3	37.6	38.9	40.1	40.9	41.7	42.5	43.4	43.9
95°	68.9	70.7	72.3	73.8	75.4	77.0	77.7	78.3	79.0	79.7	80.0
97.5°	112.7	114.4	116.2	118.1	119.9	121.8	122.6	123.4	124.2	125.0	125.4
100°	145.4	146.9	148.9	150.9	153.0	155.0	155.4	155.9	156.3	156.8	157.0
102.5°	180.5	181.6	183.5	185.3	187.2	189.0	189.7	190.3	190.9	191.6	192.0
105°	236.9	237.5	238.4	239.3	240.2	241.1	241.8	242.5	243.1	243.8	244.5
107.5°	296.9	297.1	297.2	297.4	297.5	297.6	298.3	298.9	299.5	300.2	300.4
110°	338.1	338.2	338.0	337.8	337.6	337.3	336.9	336.4	336.0	335.5	335.7



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	378.8	378.7	378.3	377.9	377.5	377.1	377.0	376.9	376.8	376.7	376.7
115°	441.7	441.5	441.0	440.6	440.1	439.7	439.4	439.2	439.0	438.8	438.5
117.5°	502.0	501.9	501.6	501.3	501.0	500.6	499.9	499.1	498.3	497.6	497.0
120°	544.6	544.7	544.0	543.3	542.7	542.0	540.9	539.7	538.6	537.5	537.1
122.5°	583.7	583.8	583.4	583.1	582.8	582.5	581.7	581.0	580.2	579.4	578.6
125°	643.3	643.2	642.9	642.7	642.5	642.3	641.8	641.4	640.9	640.5	640.0
127.5°	701.3	701.5	701.1	700.7	700.4	700.0	699.6	699.1	698.7	698.2	697.8
130°	740.2	740.5	740.5	740.5	740.5	740.5	740.1	739.6	739.2	738.7	738.1
132.5°	779.2	779.3	779.2	779.0	778.8	778.6	778.2	777.7	777.3	776.8	776.4
135°	835.1	835.8	835.8	835.8	835.8	835.8	835.3	834.9	834.4	834.0	833.4
137.5°	889.3	889.8	890.2	890.6	890.9	891.3	890.7	890.1	889.5	888.9	888.7
140°	926.7	926.9	926.9	926.9	926.9	926.9	926.7	926.5	926.3	926.0	925.8
142.5°	961.6	961.7	961.5	961.3	961.2	961.0	960.9	960.9	960.8	960.8	960.7
145°	1011.6	1012.1	1012.4	1012.6	1012.8	1013.0	1012.8	1012.6	1012.4	1012.1	1011.7
147.5°	1060.1	1060.6	1060.4	1060.2	1060.0	1059.8	1059.7	1059.5	1059.3	1059.1	1058.9
150°	1088.6	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1088.9
152.5°	1114.7	1115.0	1115.2	1115.4	1115.6	1115.8	1116.3	1116.8	1117.4	1117.9	1117.9
155°	1154.9	1154.8	1154.5	1154.3	1154.1	1153.9	1154.8	1155.7	1156.6	1157.5	1157.5
157.5°	1188.9	1188.7	1188.6	1188.6	1188.5	1188.5	1189.2	1189.9	1190.5	1191.2	1191.2
160°	1210.7	1210.5	1210.2	1210.0	1209.8	1209.6	1210.2	1210.9	1211.6	1212.3	1212.0
162.5°	1228.7	1228.3	1228.1	1227.9	1227.6	1227.4	1228.6	1229.8	1231.0	1232.3	1232.3
165°	1254.5	1253.9	1253.5	1253.0	1252.6	1252.1	1253.5	1254.8	1256.2	1257.5	1257.7
167.5°	1273.5	1273.0	1273.1	1273.1	1273.1	1273.2	1274.5	1275.9	1277.2	1278.6	1278.6
170°	1284.1	1283.6	1283.9	1284.1	1284.3	1284.5	1285.9	1287.2	1288.6	1289.9	1289.8
172.5°	1292.9	1292.5	1292.5	1292.6	1292.6	1292.6	1294.2	1295.7	1297.2	1298.8	1298.7
175°	1303.3	1302.7	1302.4	1302.2	1302.0	1301.8	1303.3	1304.9	1306.5	1308.1	1308.1
177.5°	1307.9	1307.4	1307.4	1307.4	1307.4	1307.4	1308.7	1310.0	1311.2	1312.5	1312.4
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	30.7	31.1	32.1	32.8	32.1	31.1	30.7	29.7	26.7	24.9	23.4
90°	29.0	29.5	29.9	30.4	29.9	29.5	29.0	28.6	27.7	26.3	25.0
92.5°	44.2	44.4	44.7	45.0	44.7	44.4	44.2	43.9	43.4	42.5	41.7
95°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	79.7	79.0	78.3
97.5°	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.0	124.2	123.4
100°	157.0	157.0	157.0	157.0	157.0	157.0	157.0	157.0	156.8	156.3	155.9
102.5°	192.1	192.3	192.5	192.7	192.5	192.3	192.1	192.0	191.6	190.9	190.3
105°	245.2	245.8	246.5	247.2	246.5	245.8	245.2	244.5	243.8	243.1	242.5
107.5°	300.4	300.4	300.3	300.3	300.3	300.4	300.4	300.4	300.2	299.5	298.9
110°	336.3	337.0	337.7	338.4	337.7	337.0	336.3	335.7	335.5	336.0	336.4



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.9	377.0	377.1	377.3	377.1	377.0	376.9	376.7	376.7	376.8	376.9
115°	438.3	438.1	437.9	437.6	437.9	438.1	438.3	438.5	438.8	439.0	439.2
117.5°	496.5	496.1	495.6	495.2	495.6	496.1	496.5	497.0	497.6	498.3	499.1
120°	537.6	538.0	538.5	538.9	538.5	538.0	537.6	537.1	537.5	538.6	539.7
122.5°	577.8	577.0	576.2	575.4	576.2	577.0	577.8	578.6	579.4	580.2	581.0
125°	639.6	639.1	638.7	638.2	638.7	639.1	639.6	640.0	640.5	640.9	641.4
127.5°	697.4	697.1	696.7	696.4	696.7	697.1	697.4	697.8	698.2	698.7	699.1
130°	737.2	736.3	735.4	734.5	735.4	736.3	737.2	738.1	738.7	739.2	739.6
132.5°	776.1	775.7	775.3	775.0	775.3	775.7	776.1	776.4	776.8	777.3	777.7
135°	832.7	832.0	831.4	830.7	831.4	832.0	832.7	833.4	834.0	834.4	834.9
137.5°	888.8	889.0	889.1	889.2	889.1	889.0	888.8	888.7	888.9	889.5	890.1
140°	925.6	925.4	925.1	924.9	925.1	925.4	925.6	925.8	926.0	926.3	926.5
142.5°	960.7	960.7	960.6	960.6	960.6	960.7	960.7	960.7	960.8	960.8	960.9
145°	1011.0	1010.3	1009.7	1009.0	1009.7	1010.3	1011.0	1011.7	1012.1	1012.4	1012.6
147.5°	1058.7	1058.5	1058.2	1058.0	1058.2	1058.5	1058.7	1058.9	1059.1	1059.3	1059.5
150°	1088.7	1088.5	1088.2	1088.0	1088.2	1088.5	1088.7	1088.9	1089.0	1089.0	1089.0
152.5°	1117.3	1116.7	1116.1	1115.6	1116.1	1116.7	1117.3	1117.9	1117.9	1117.4	1116.8
155°	1156.6	1155.7	1154.8	1153.9	1154.8	1155.7	1156.6	1157.5	1157.5	1156.6	1155.7
157.5°	1190.4	1189.6	1188.9	1188.1	1188.9	1189.6	1190.4	1191.2	1191.2	1190.5	1189.9
160°	1210.9	1209.8	1208.7	1207.5	1208.7	1209.8	1210.9	1212.0	1212.3	1211.6	1210.9
162.5°	1231.2	1230.1	1228.9	1227.8	1228.9	1230.1	1231.2	1232.3	1232.3	1231.0	1229.8
165°	1256.8	1255.9	1255.0	1254.1	1255.0	1255.9	1256.8	1257.7	1257.5	1256.2	1254.8
167.5°	1277.2	1275.8	1274.4	1273.0	1274.4	1275.8	1277.2	1278.6	1278.6	1277.2	1275.9
170°	1288.3	1286.7	1285.1	1283.5	1285.1	1286.7	1288.3	1289.8	1289.9	1288.6	1287.2
172.5°	1297.2	1295.6	1294.0	1292.4	1294.0	1295.6	1297.2	1298.7	1298.8	1297.2	1295.7
175°	1306.5	1304.9	1303.3	1301.8	1303.3	1304.9	1306.5	1308.1	1308.1	1306.5	1304.9
177.5°	1310.9	1309.5	1308.1	1306.6	1308.1	1309.5	1310.9	1312.4	1312.5	1311.2	1310.0
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	19.7	18.8	16.9	15.6	14.6	13.0	12.5	11.1	10.3	9.5	8.7
90°	23.6	22.3	20.5	18.7	16.9	15.1	12.9	10.5	8.0	5.5	3.0
92.5°	40.9	40.1	38.9	37.6	36.3	35.1	33.0	30.2	27.4	24.5	21.7
95°	77.7	77.0	75.4	73.8	72.3	70.7	68.9	66.9	64.8	62.8	60.8
97.5°	122.6	121.8	119.9	118.1	116.2	114.4	112.7	111.0	109.4	107.8	106.2
100°	155.4	155.0	153.0	150.9	148.9	146.9	145.4	144.5	143.6	142.7	141.8
102.5°	189.7	189.0	187.2	185.3	183.5	181.6	180.5	180.2	179.8	179.5	179.1
105°	241.8	241.1	240.2	239.3	238.4	237.5	236.9	236.7	236.5	236.3	236.0
107.5°	298.3	297.6	297.5	297.4	297.2	297.1	296.9	296.6	296.3	296.1	295.8
110°	336.9	337.3	337.6	337.8	338.0	338.2	338.1	337.7	337.2	336.8	336.3



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	377.0	377.1	377.5	377.9	378.3	378.7	378.8	378.7	378.7	378.6	378.5
115°	439.4	439.7	440.1	440.6	441.0	441.5	441.7	441.7	441.7	441.7	441.7
117.5°	499.9	500.6	501.0	501.3	501.6	501.9	502.0	501.8	501.6	501.4	501.3
120°	540.9	542.0	542.7	543.3	544.0	544.7	544.6	543.7	542.8	541.9	541.0
122.5°	581.7	582.5	582.8	583.1	583.4	583.8	583.7	583.4	583.0	582.7	582.3
125°	641.8	642.3	642.5	642.7	642.9	643.2	643.3	643.3	643.3	643.3	643.3
127.5°	699.6	700.0	700.4	700.7	701.1	701.5	701.3	700.6	699.9	699.3	698.6
130°	740.1	740.5	740.5	740.5	740.5	740.5	740.2	739.5	738.8	738.2	737.5
132.5°	778.2	778.6	778.8	779.0	779.2	779.3	779.2	778.7	778.2	777.7	777.2
135°	835.3	835.8	835.8	835.8	835.8	835.8	835.1	833.7	832.4	831.0	829.7
137.5°	890.7	891.3	890.9	890.6	890.2	889.8	889.3	888.7	888.1	887.4	886.8
140°	926.7	926.9	926.9	926.9	926.9	926.9	926.7	926.3	925.8	925.4	924.9
142.5°	960.9	961.0	961.2	961.3	961.5	961.7	961.6	961.1	960.7	960.2	959.8
145°	1012.8	1013.0	1012.8	1012.6	1012.4	1012.1	1011.6	1010.7	1009.8	1008.9	1008.0
147.5°	1059.7	1059.8	1060.0	1060.2	1060.4	1060.6	1060.1	1059.0	1058.0	1056.9	1055.8
150°	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1088.6	1087.7	1086.8	1085.9	1085.0
152.5°	1116.3	1115.8	1115.6	1115.4	1115.2	1115.0	1114.7	1114.1	1113.6	1113.1	1112.5
155°	1154.8	1153.9	1154.1	1154.3	1154.5	1154.8	1154.9	1154.9	1154.9	1154.9	1154.9
157.5°	1189.2	1188.5	1188.5	1188.6	1188.6	1188.7	1188.9	1189.3	1189.7	1190.1	1190.5
160°	1210.2	1209.6	1209.8	1210.0	1210.2	1210.5	1210.7	1210.9	1211.1	1211.4	1211.6
162.5°	1228.6	1227.4	1227.6	1227.9	1228.1	1228.3	1228.7	1229.3	1229.9	1230.5	1231.0
165°	1253.5	1252.1	1252.6	1253.0	1253.5	1253.9	1254.5	1255.2	1255.8	1256.5	1257.2
167.5°	1274.5	1273.2	1273.1	1273.1	1273.1	1273.0	1273.5	1274.4	1275.4	1276.3	1277.2
170°	1285.9	1284.5	1284.3	1284.1	1283.9	1283.6	1284.1	1285.2	1286.3	1287.5	1288.6
172.5°	1294.2	1292.6	1292.6	1292.6	1292.5	1292.5	1292.9	1293.9	1294.8	1295.7	1296.7
175°	1303.3	1301.8	1302.0	1302.2	1302.4	1302.7	1303.3	1304.5	1305.6	1306.7	1307.8
177.5°	1308.7	1307.4	1307.4	1307.4	1307.4	1307.4	1307.9	1308.8	1309.7	1310.6	1311.5
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	9.5	10.3	11.7	13.2	14.8	15.5	15.6	15.9	15.0	15.0	14.0
90°	5.5	8.0	10.5	12.9	15.1	16.9	18.7	20.5	22.3	23.6	25.0
92.5°	24.5	27.4	30.2	33.0	35.1	36.3	37.6	38.9	40.1	40.9	41.7
95°	62.8	64.8	66.9	68.9	70.7	72.3	73.8	75.4	77.0	77.7	78.3
97.5°	107.8	109.4	111.0	112.7	114.4	116.2	118.1	119.9	121.8	122.6	123.4
100°	142.7	143.6	144.5	145.4	146.9	148.9	150.9	153.0	155.0	155.4	155.9
102.5°	179.5	179.8	180.2	180.5	181.6	183.5	185.3	187.2	189.0	189.7	190.3
105°	236.3	236.5	236.7	236.9	237.5	238.4	239.3	240.2	241.1	241.8	242.5
107.5°	296.1	296.3	296.6	296.9	297.1	297.2	297.4	297.5	297.6	298.3	298.9
110°	336.8	337.2	337.7	338.1	338.2	338.0	337.8	337.6	337.3	336.9	336.4



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	378.6	378.7	378.7	378.8	378.7	378.3	377.9	377.5	377.1	377.0	376.9
115°	441.7	441.7	441.7	441.7	441.5	441.0	440.6	440.1	439.7	439.4	439.2
117.5°	501.4	501.6	501.8	502.0	501.9	501.6	501.3	501.0	500.6	499.9	499.1
120°	541.9	542.8	543.7	544.6	544.7	544.0	543.3	542.7	542.0	540.9	539.7
122.5°	582.7	583.0	583.4	583.7	583.8	583.4	583.1	582.8	582.5	581.7	581.0
125°	643.3	643.3	643.3	643.3	643.2	642.9	642.7	642.5	642.3	641.8	641.4
127.5°	699.3	699.9	700.6	701.3	701.5	701.1	700.7	700.4	700.0	699.6	699.1
130°	738.2	738.8	739.5	740.2	740.5	740.5	740.5	740.5	740.5	740.1	739.6
132.5°	777.7	778.2	778.7	779.2	779.3	779.2	779.0	778.8	778.6	778.2	777.7
135°	831.0	832.4	833.7	835.1	835.8	835.8	835.8	835.8	835.8	835.3	834.9
137.5°	887.4	888.1	888.7	889.3	889.8	890.2	890.6	890.9	891.3	890.7	890.1
140°	925.4	925.8	926.3	926.7	926.9	926.9	926.9	926.9	926.9	926.7	926.5
142.5°	960.2	960.7	961.1	961.6	961.7	961.5	961.3	961.2	961.0	960.9	960.9
145°	1008.9	1009.8	1010.7	1011.6	1012.1	1012.4	1012.6	1012.8	1013.0	1012.8	1012.6
147.5°	1056.9	1058.0	1059.0	1060.1	1060.6	1060.4	1060.2	1060.0	1059.8	1059.7	1059.5
150°	1085.9	1086.8	1087.7	1088.6	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0	1089.0
152.5°	1113.1	1113.6	1114.1	1114.7	1115.0	1115.2	1115.4	1115.6	1115.8	1116.3	1116.8
155°	1154.9	1154.9	1154.9	1154.9	1154.8	1154.5	1154.3	1154.1	1153.9	1154.8	1155.7
157.5°	1190.1	1189.7	1189.3	1188.9	1188.7	1188.6	1188.6	1188.5	1188.5	1189.2	1189.9
160°	1211.4	1211.1	1210.9	1210.7	1210.5	1210.2	1210.0	1209.8	1209.6	1210.2	1210.9
162.5°	1230.5	1229.9	1229.3	1228.7	1228.3	1228.1	1227.9	1227.6	1227.4	1228.6	1229.8
165°	1256.5	1255.8	1255.2	1254.5	1253.9	1253.5	1253.0	1252.6	1252.1	1253.5	1254.8
167.5°	1276.3	1275.4	1274.4	1273.5	1273.0	1273.1	1273.1	1273.1	1273.2	1274.5	1275.9
170°	1287.5	1286.3	1285.2	1284.1	1283.6	1283.9	1284.1	1284.3	1284.5	1285.9	1287.2
172.5°	1295.7	1294.8	1293.9	1292.9	1292.5	1292.5	1292.6	1292.6	1292.6	1294.2	1295.7
175°	1306.7	1305.6	1304.5	1303.3	1302.7	1302.4	1302.2	1302.0	1301.8	1303.3	1304.9
177.5°	1310.6	1309.7	1308.8	1307.9	1307.4	1307.4	1307.4	1307.4	1307.4	1308.7	1310.0
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	14.6	14.6	14.4	13.9	13.7	13.8	12.9
90°	26.3	27.7	28.6	29.0	29.5	29.9	30.4
92.5°	42.5	43.4	43.9	44.2	44.4	44.7	45.0
95°	79.0	79.7	80.0	80.0	80.0	80.0	80.0
97.5°	124.2	125.0	125.4	125.4	125.4	125.4	125.4
100°	156.3	156.8	157.0	157.0	157.0	157.0	157.0
102.5°	190.9	191.6	192.0	192.1	192.3	192.5	192.7
105°	243.1	243.8	244.5	245.2	245.8	246.5	247.2
107.5°	299.5	300.2	300.4	300.4	300.4	300.3	300.3
110°	336.0	335.5	335.7	336.3	337.0	337.7	338.4



TEST NUMBER: P332758

CATALOG NUMBER: S124DIW-S575D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	376.8	376.7	376.7	376.9	377.0	377.1	377.3
115°	439.0	438.8	438.5	438.3	438.1	437.9	437.6
117.5°	498.3	497.6	497.0	496.5	496.1	495.6	495.2
120°	538.6	537.5	537.1	537.6	538.0	538.5	538.9
122.5°	580.2	579.4	578.6	577.8	577.0	576.2	575.4
125°	640.9	640.5	640.0	639.6	639.1	638.7	638.2
127.5°	698.7	698.2	697.8	697.4	697.1	696.7	696.4
130°	739.2	738.7	738.1	737.2	736.3	735.4	734.5
132.5°	777.3	776.8	776.4	776.1	775.7	775.3	775.0
135°	834.4	834.0	833.4	832.7	832.0	831.4	830.7
137.5°	889.5	888.9	888.7	888.8	889.0	889.1	889.2
140°	926.3	926.0	925.8	925.6	925.4	925.1	924.9
142.5°	960.8	960.8	960.7	960.7	960.7	960.6	960.6
145°	1012.4	1012.1	1011.7	1011.0	1010.3	1009.7	1009.0
147.5°	1059.3	1059.1	1058.9	1058.7	1058.5	1058.2	1058.0
150°	1089.0	1089.0	1088.9	1088.7	1088.5	1088.2	1088.0
152.5°	1117.4	1117.9	1117.9	1117.3	1116.7	1116.1	1115.6
155°	1156.6	1157.5	1157.5	1156.6	1155.7	1154.8	1153.9
157.5°	1190.5	1191.2	1191.2	1190.4	1189.6	1188.9	1188.1
160°	1211.6	1212.3	1212.0	1210.9	1209.8	1208.7	1207.5
162.5°	1231.0	1232.3	1232.3	1231.2	1230.1	1228.9	1227.8
165°	1256.2	1257.5	1257.7	1256.8	1255.9	1255.0	1254.1
167.5°	1277.2	1278.6	1278.6	1277.2	1275.8	1274.4	1273.0
170°	1288.6	1289.9	1289.8	1288.3	1286.7	1285.1	1283.5
172.5°	1297.2	1298.8	1298.7	1297.2	1295.6	1294.0	1292.4
175°	1306.5	1308.1	1308.1	1306.5	1304.9	1303.3	1301.8
177.5°	1311.2	1312.5	1312.4	1310.9	1309.5	1308.1	1306.6
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

(END OF REPORT)