

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: P333044-840

Luminaire Tested: **S124RDIW-S575D1050U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333044-840  
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: S124RDIW-S575D1050U840-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

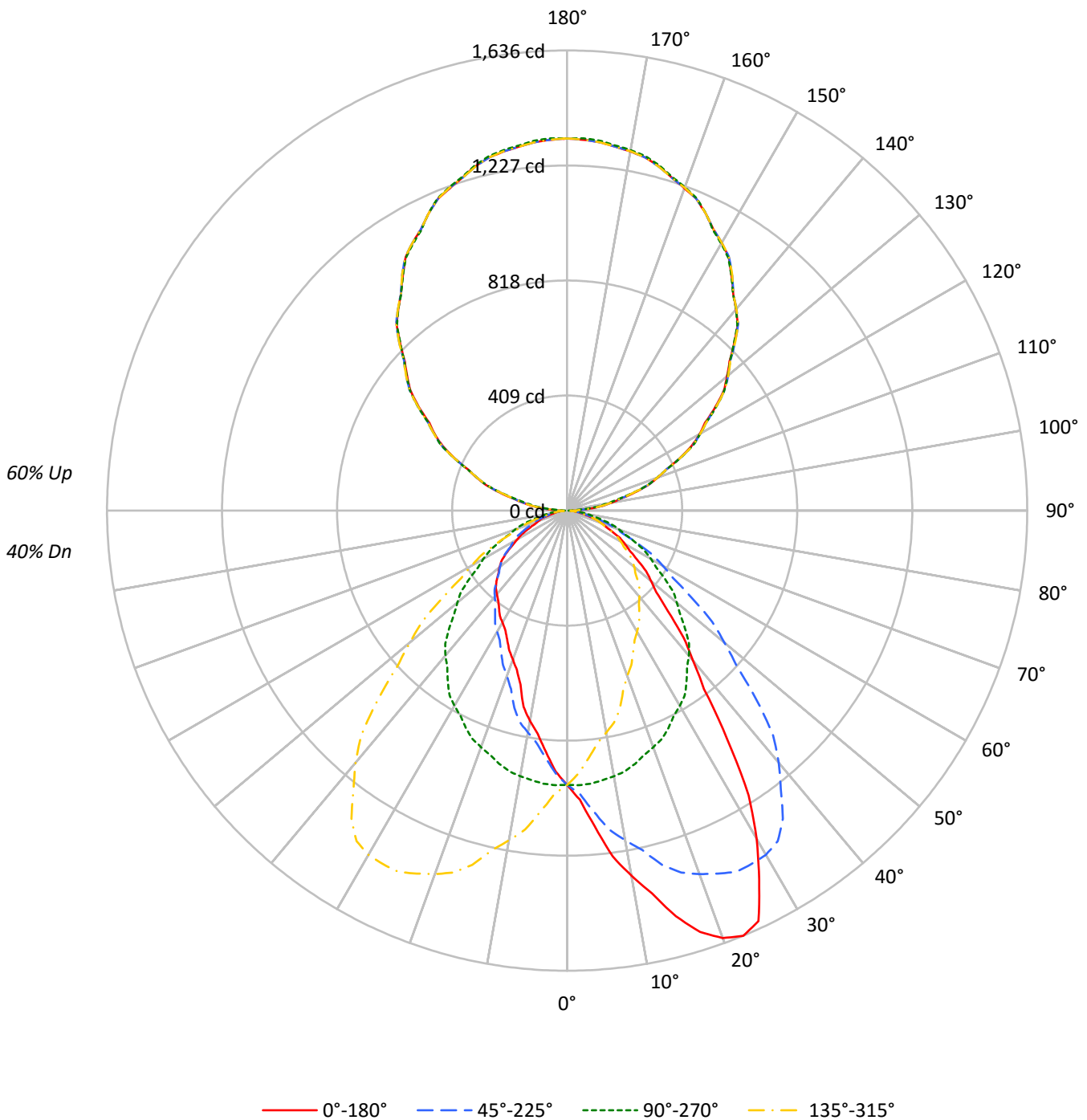
Lumens per Lamp: N/A  
Luminaire Lumens: 6139.0 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (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	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	59	73	65	59	54	54	49	46	43	40	38	34	32	30	25
4	73	63	56	50	67	58	51	46	48	43	39	39	35	33	30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	51	43	37	57	46	40	35	39	34	30	32	28	25	25	22	20	17
7	57	46	38	33	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	17	15	12
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11

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

	0°	90°	180°	270°
0°	7873	7873	7873	7873
5°	9132	7896	6980	7896
10°	10803	7862	6229	7862
15°	12479	7789	5353	7789
20°	13894	7689	4840	7689
25°	14343	7591	4494	7591
30°	12557	7471	4285	7471
35°	9773	7295	4159	7295
40°	7330	7093	4091	7093
45°	5787	6769	4055	6769
50°	4886	6395	3939	6395
55°	4259	5985	3727	5985
60°	3831	5557	3299	5557
65°	3377	5096	2839	5096
70°	3043	4619	2561	4619
75°	2548	4095	2183	4095
80°	2157	3487	2046	3487
85°	1825	2732	1825	2732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	1.5
10°-20°	285.0	4.6
20°-30°	445.8	7.3
30°-40°	495.6	8.1
40°-50°	439.7	7.2
50°-60°	342.6	5.6
60°-70°	224.3	3.7
70°-80°	110.3	1.8
80°-90°	31.2	0.5
90°-100°	87.2	1.4
100°-110°	258.4	4.2
110°-120°	438.7	7.1
120°-130°	578.4	9.4
130°-140°	649.6	10.6
140°-150°	638.4	10.4
150°-160°	536.9	8.7
160°-170°	357.2	5.8
170°-180°	125.1	2.0
0°-30°	825.3	13.4
0°-40°	1320.9	21.5
0°-60°	2103.3	34.3
0°-90°	2469.1	40.2
90°-120°	784.3	12.8
90°-150°	2650.7	43.2
90°-180°	3670.0	59.8
0°-180°	6139.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	975	975	975	975	975	
5°	1127	974	861	974	1127	114
15°	1493	932	640	932	1493	425
25°	1610	852	504	852	1610	714
35°	992	740	422	740	992	622
45°	507	593	355	593	507	401
55°	303	425	265	425	303	275
65°	177	267	149	267	177	178
75°	82	131	70	131	82	90
85°	20	30	20	30	20	23
90°	31	3	31	3	31	16
95°	81	61	81	61	81	84
105°	250	238	250	238	250	263
115°	442	446	442	446	442	437
125°	644	650	644	650	644	575
135°	839	838	839	838	839	648
145°	1019	1018	1019	1018	1019	638
155°	1165	1166	1165	1166	1165	536
165°	1266	1270	1266	1270	1266	357
175°	1315	1321	1315	1321	1315	125
180°	1323	1323	1323	1323	1323	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1028.6	1031.5	1028.6	1028.3	1025.2	1024.3	1023.0	1019.0	1011.4	1006.9	1007.9
5°	1126.9	1136.7	1131.3	1130.4	1121.8	1113.2	1107.6	1095.1	1081.7	1072.7	1065.2
7.5°	1240.5	1246.2	1242.7	1237.2	1223.2	1215.3	1202.5	1186.0	1162.1	1143.7	1127.0
10°	1317.9	1322.5	1321.0	1310.8	1300.6	1279.7	1268.0	1244.8	1214.5	1190.5	1168.1
12.5°	1393.9	1399.0	1385.1	1385.6	1366.2	1349.8	1331.1	1302.0	1267.0	1236.1	1208.1
15°	1493.1	1486.8	1486.8	1478.9	1457.3	1434.5	1415.3	1384.6	1340.6	1303.7	1264.9
17.5°	1570.7	1573.0	1569.7	1551.2	1534.2	1510.7	1475.3	1439.6	1398.7	1349.1	1309.4
20°	1617.3	1617.3	1613.8	1601.1	1579.1	1554.0	1515.9	1477.0	1425.1	1375.2	1330.4
22.5°	1636.1	1637.4	1633.3	1622.9	1603.1	1578.5	1546.1	1506.5	1453.1	1396.9	1341.4
25°	1610.2	1617.6	1618.4	1615.7	1609.8	1594.9	1567.0	1526.5	1478.5	1417.6	1358.0
27.5°	1478.3	1487.7	1496.0	1509.5	1527.6	1537.1	1538.3	1517.7	1475.9	1417.3	1357.3
30°	1347.0	1354.7	1380.3	1413.7	1439.7	1463.2	1483.7	1489.1	1465.6	1412.9	1349.7
32.5°	1201.0	1211.7	1237.3	1273.2	1316.5	1356.3	1402.3	1425.6	1425.0	1393.4	1334.9
35°	991.7	999.6	1023.2	1060.9	1112.8	1172.0	1244.8	1301.3	1339.9	1337.1	1301.3
37.5°	799.8	808.7	832.5	863.8	914.1	987.5	1057.9	1135.9	1207.1	1247.1	1235.1
40°	695.5	695.9	719.0	751.2	798.4	862.4	939.1	1025.5	1104.9	1169.7	1182.2
42.5°	613.1	613.2	628.5	663.3	697.2	757.5	830.6	916.5	1009.4	1084.2	1117.5
45°	506.9	510.4	523.0	543.8	570.5	621.6	680.1	759.9	864.0	952.8	1008.2
47.5°	429.2	434.4	442.4	459.4	480.7	514.7	563.1	634.8	719.5	817.2	896.1
50°	389.0	389.8	400.0	409.4	427.9	455.0	497.5	557.1	635.0	728.8	816.5
52.5°	354.5	354.3	360.4	372.3	387.4	408.5	442.7	497.2	566.1	650.3	740.7
55°	302.6	304.5	309.2	318.6	330.0	345.0	372.1	412.9	467.2	539.1	621.2
57.5°	263.1	264.1	267.8	271.9	282.3	293.2	313.5	341.8	387.6	446.5	523.0
60°	237.3	237.7	238.9	244.8	253.1	263.3	277.0	300.9	339.5	393.3	453.8
62.5°	212.2	212.9	214.7	219.0	225.4	232.5	246.8	266.1	298.0	344.0	398.5
65°	176.8	177.2	180.0	181.6	186.6	192.9	203.5	216.5	238.5	277.0	318.3
67.5°	147.7	147.7	147.8	150.1	153.6	157.7	164.1	174.5	191.1	214.7	251.1
70°	128.9	128.9	129.7	130.9	132.8	136.3	139.9	147.7	160.0	179.2	207.0
72.5°	111.3	111.6	112.4	112.6	113.6	116.5	119.2	124.1	133.2	147.7	170.3
75°	81.7	82.9	84.8	86.4	88.4	88.1	90.8	93.9	96.6	105.3	118.3
77.5°	60.8	60.2	60.4	61.8	62.0	62.4	64.3	66.8	68.9	72.9	77.6
80°	46.4	46.4	47.6	48.0	47.6	48.0	49.9	51.1	51.9	53.4	57.8
82.5°	35.0	35.6	35.2	35.6	36.0	36.4	38.0	38.2	39.0	39.6	41.4
85°	19.7	20.0	20.4	19.7	19.7	19.7	20.4	20.8	21.6	21.2	22.0
87.5°	13.0	12.6	12.8	12.8	13.0	12.5	12.5	12.9	12.0	12.0	11.7
90°	30.7	30.2	29.8	29.3	28.9	28.0	26.6	25.2	23.8	22.5	20.7
92.5°	45.4	45.1	44.8	44.6	44.3	43.8	42.9	42.1	41.3	40.5	39.3
95°	80.8	80.8	80.8	80.8	80.8	80.5	79.8	79.1	78.5	77.8	76.1
97.5°	126.6	126.6	126.6	126.6	126.6	126.2	125.4	124.6	123.8	123.0	121.1
100°	158.5	158.5	158.5	158.5	158.5	158.3	157.8	157.4	156.9	156.5	154.5
102.5°	194.6	194.4	194.2	194.0	193.9	193.5	192.8	192.2	191.6	190.9	189.0
105°	249.6	248.9	248.2	247.6	246.9	246.2	245.5	244.9	244.2	243.5	242.6
107.5°	303.3	303.3	303.4	303.4	303.4	303.2	302.5	301.8	301.2	300.5	300.4
110°	341.7	341.0	340.3	339.6	339.0	338.8	339.3	339.7	340.2	340.6	340.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	381.0	380.8	380.7	380.6	380.4	380.4	380.5	380.6	380.7	380.8	381.2
115°	441.9	442.2	442.4	442.6	442.8	443.1	443.3	443.5	443.7	444.0	444.4
117.5°	500.1	500.5	501.0	501.4	501.9	502.5	503.2	504.0	504.8	505.5	505.9
120°	544.2	543.8	543.3	542.9	542.4	542.8	543.9	545.0	546.2	547.3	548.1
122.5°	581.1	581.9	582.7	583.5	584.3	585.1	585.9	586.7	587.4	588.2	588.5
125°	644.5	645.0	645.4	645.9	646.3	646.8	647.2	647.7	648.1	648.6	648.8
127.5°	703.3	703.6	704.0	704.3	704.7	705.1	705.6	706.0	706.5	706.9	707.3
130°	741.7	742.7	743.6	744.5	745.4	746.0	746.5	746.9	747.4	747.8	747.8
132.5°	782.6	782.9	783.4	783.8	784.1	784.5	785.0	785.4	785.9	786.3	786.5
135°	838.9	839.6	840.2	840.9	841.6	842.2	842.6	843.1	843.5	844.0	844.0
137.5°	898.0	897.9	897.8	897.6	897.5	897.7	898.3	898.9	899.5	900.1	899.7
140°	934.0	934.2	934.5	934.7	934.9	935.1	935.4	935.6	935.8	936.0	936.0
142.5°	970.1	970.1	970.2	970.2	970.2	970.3	970.3	970.4	970.4	970.5	970.7
145°	1019.0	1019.7	1020.3	1021.0	1021.7	1022.1	1022.4	1022.6	1022.8	1023.0	1022.8
147.5°	1068.4	1068.6	1068.9	1069.1	1069.3	1069.5	1069.8	1070.0	1070.2	1070.3	1070.5
150°	1098.7	1098.9	1099.2	1099.4	1099.6	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7
152.5°	1126.6	1127.1	1127.7	1128.3	1128.9	1128.9	1128.4	1127.8	1127.3	1126.8	1126.6
155°	1165.3	1166.2	1167.1	1168.0	1168.9	1168.9	1168.0	1167.1	1166.2	1165.3	1165.5
157.5°	1199.8	1200.6	1201.3	1202.1	1203.0	1203.0	1202.2	1201.6	1200.9	1200.2	1200.2
160°	1219.4	1220.6	1221.7	1222.8	1224.0	1224.3	1223.6	1222.8	1222.1	1221.5	1221.7
162.5°	1239.9	1241.0	1242.2	1243.3	1244.5	1244.5	1243.1	1241.9	1240.7	1239.5	1239.7
165°	1266.5	1267.4	1268.3	1269.2	1270.1	1269.9	1268.6	1267.2	1265.9	1264.5	1265.0
167.5°	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.8	1288.5	1287.1	1285.8	1285.7
170°	1296.2	1297.8	1299.4	1301.0	1302.5	1302.6	1301.3	1299.9	1298.6	1297.2	1297.0
172.5°	1305.1	1306.8	1308.4	1310.0	1311.5	1311.6	1310.0	1308.5	1307.0	1305.4	1305.4
175°	1314.6	1316.2	1317.8	1319.4	1321.0	1321.0	1319.4	1317.8	1316.2	1314.6	1314.8
177.5°	1319.5	1321.0	1322.4	1323.8	1325.3	1325.4	1324.1	1322.9	1321.6	1320.3	1320.3
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1004.8	1000.4	998.2	993.1	987.1	984.0	981.2	977.1	971.8	966.1	962.0
5°	1055.8	1046.3	1034.5	1020.4	1007.8	995.6	985.0	974.4	962.3	949.7	937.2
7.5°	1108.1	1089.5	1069.5	1046.3	1023.8	1003.3	984.4	966.3	945.9	927.6	910.9
10°	1144.6	1119.4	1091.6	1062.1	1032.6	1007.0	981.9	959.1	933.9	911.6	892.7
12.5°	1174.2	1144.6	1111.1	1074.3	1038.8	1007.9	979.1	949.4	920.8	896.5	871.3
15°	1223.1	1182.7	1137.5	1093.5	1047.5	1005.5	966.5	932.0	899.4	865.3	841.2
17.5°	1256.9	1208.8	1154.0	1101.1	1046.7	997.1	952.3	911.1	873.4	838.6	810.0
20°	1277.0	1224.0	1163.1	1102.9	1042.0	989.0	940.7	895.0	856.2	818.5	789.0
22.5°	1288.3	1229.6	1163.1	1100.0	1037.0	979.6	926.6	879.1	836.7	799.0	766.4
25°	1291.9	1229.0	1161.0	1088.7	1019.7	958.8	903.7	852.2	805.1	767.4	732.8
27.5°	1286.9	1212.8	1143.3	1069.0	997.7	933.5	875.8	821.6	774.5	734.0	698.5
30°	1279.3	1200.0	1125.3	1048.3	976.0	914.3	853.4	801.5	752.5	710.4	674.7
32.5°	1263.0	1184.3	1104.0	1025.0	951.8	888.3	830.5	778.3	730.1	687.1	649.1
35°	1230.6	1150.8	1063.6	982.7	910.8	844.8	790.5	740.2	694.3	648.3	608.2
37.5°	1187.9	1106.5	1019.7	931.1	859.1	796.8	747.0	699.8	654.9	613.0	568.6
40°	1147.7	1073.5	983.9	895.9	822.0	761.8	715.9	673.1	627.9	586.2	541.8
42.5°	1099.0	1035.7	945.2	856.9	784.0	726.0	683.2	641.4	600.3	559.9	513.5
45°	1017.6	969.8	884.8	800.0	726.5	669.1	629.9	592.9	556.7	518.3	474.6
47.5°	924.4	892.0	818.8	731.8	663.9	612.3	574.3	544.1	513.5	475.0	436.8
50°	859.7	838.9	768.2	688.8	624.0	576.4	537.6	509.2	483.7	446.8	412.5
52.5°	790.5	779.5	719.7	643.8	581.2	534.6	501.4	475.9	450.1	419.4	387.4
55°	685.3	691.2	640.5	574.8	515.9	476.7	446.4	425.2	403.1	377.2	352.4
57.5°	577.5	599.2	565.1	507.5	452.2	416.0	393.1	375.3	356.9	335.3	314.2
60°	513.1	531.2	512.0	461.3	412.9	379.2	358.0	344.2	325.7	306.1	289.9
62.5°	450.3	469.6	458.2	417.3	372.4	343.4	324.7	311.8	298.1	280.9	264.2
65°	371.3	383.8	378.4	350.1	318.3	293.5	276.2	266.8	254.2	241.7	226.7
67.5°	284.4	308.7	305.5	290.4	263.0	243.6	232.3	224.0	212.5	203.2	193.0
70°	233.8	256.2	255.8	243.6	228.6	210.6	202.8	195.7	185.4	176.4	168.1
72.5°	191.4	211.9	214.9	205.6	195.4	181.7	174.1	169.3	159.4	153.2	146.4
75°	134.0	149.0	152.9	152.9	148.1	141.1	134.4	131.3	124.1	118.7	114.7
77.5°	87.9	97.3	103.4	104.8	105.5	103.2	97.7	95.4	90.1	88.1	84.3
80°	62.1	68.4	75.4	77.8	79.8	79.0	76.6	75.0	70.0	68.0	66.4
82.5°	42.9	46.4	52.2	57.4	56.9	58.9	56.9	55.5	51.7	51.0	49.4
85°	22.4	22.8	23.5	27.1	29.1	29.9	30.3	29.5	28.3	28.3	25.5
87.5°	11.3	10.6	10.9	10.5	10.3	11.0	11.5	11.3	10.9	10.4	10.0
90°	18.9	17.1	15.2	13.0	10.6	8.1	5.6	3.0	5.6	8.1	10.6
92.5°	38.0	36.7	35.4	33.3	30.5	27.7	24.7	21.9	24.7	27.7	30.5
95°	74.5	73.0	71.4	69.6	67.6	65.4	63.4	61.4	63.4	65.4	67.6
97.5°	119.3	117.3	115.5	113.8	112.1	110.5	108.9	107.2	108.9	110.5	112.1
100°	152.4	150.4	148.3	146.8	145.9	145.0	144.1	143.2	144.1	145.0	145.9
102.5°	187.1	185.3	183.4	182.3	182.0	181.6	181.3	180.9	181.3	181.6	182.0
105°	241.7	240.8	239.8	239.2	239.0	238.8	238.6	238.3	238.6	238.8	239.0
107.5°	300.3	300.1	300.0	299.8	299.5	299.2	299.0	298.7	299.0	299.2	299.5
110°	341.1	341.3	341.5	341.4	341.0	340.5	340.1	339.6	340.1	340.5	341.0





TEST NUMBER: P333044-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	381.6	382.0	382.4	382.5	382.4	382.4	382.3	382.2	382.3	382.4	382.4
115°	444.9	445.4	445.9	446.1	446.1	446.1	446.1	446.1	446.1	446.1	446.1
117.5°	506.2	506.5	506.9	507.0	506.8	506.5	506.3	506.2	506.3	506.5	506.8
120°	548.7	549.4	550.1	550.0	549.1	548.2	547.2	546.3	547.2	548.2	549.1
122.5°	588.9	589.2	589.6	589.5	589.2	588.8	588.4	588.0	588.4	588.8	589.2
125°	649.0	649.2	649.5	649.6	649.6	649.6	649.6	649.6	649.6	649.6	649.6
127.5°	707.6	708.0	708.4	708.2	707.5	706.8	706.2	705.5	706.2	706.8	707.5
130°	747.8	747.8	747.8	747.5	746.8	746.1	745.5	744.8	745.5	746.1	746.8
132.5°	786.7	786.9	787.0	786.9	786.4	785.9	785.4	784.9	785.4	785.9	786.4
135°	844.0	844.0	844.0	843.3	841.9	840.6	839.2	837.9	839.2	840.6	841.9
137.5°	899.4	899.0	898.6	898.1	897.5	896.9	896.2	895.5	896.2	896.9	897.5
140°	936.0	936.0	936.0	935.8	935.4	934.9	934.5	934.0	934.5	934.9	935.4
142.5°	970.8	971.0	971.2	971.1	970.6	970.2	969.7	969.3	969.7	970.2	970.6
145°	1022.6	1022.4	1022.1	1021.6	1020.7	1019.8	1018.9	1017.9	1018.9	1019.8	1020.7
147.5°	1070.7	1070.9	1071.1	1070.6	1069.4	1068.4	1067.3	1066.2	1067.3	1068.4	1069.4
150°	1099.7	1099.7	1099.7	1099.3	1098.4	1097.5	1096.6	1095.7	1096.6	1097.5	1098.4
152.5°	1126.4	1126.2	1126.0	1125.7	1125.1	1124.6	1124.1	1123.5	1124.1	1124.6	1125.1
155°	1165.7	1165.9	1166.2	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3
157.5°	1200.3	1200.3	1200.4	1200.6	1201.0	1201.4	1201.8	1202.2	1201.8	1201.4	1201.0
160°	1221.9	1222.1	1222.4	1222.6	1222.8	1223.0	1223.4	1223.6	1223.4	1223.0	1222.8
162.5°	1240.0	1240.2	1240.4	1240.8	1241.4	1242.0	1242.6	1243.1	1242.6	1242.0	1241.4
165°	1265.4	1265.9	1266.3	1266.9	1267.6	1268.2	1268.9	1269.6	1268.9	1268.2	1267.6
167.5°	1285.7	1285.7	1285.6	1286.1	1287.0	1288.0	1288.9	1289.8	1288.9	1288.0	1287.0
170°	1296.8	1296.6	1296.3	1296.8	1297.9	1299.0	1300.2	1301.3	1300.2	1299.0	1297.9
172.5°	1305.4	1305.3	1305.3	1305.7	1306.7	1307.6	1308.5	1309.5	1308.5	1307.6	1306.7
175°	1315.0	1315.2	1315.6	1316.2	1317.4	1318.5	1319.6	1320.7	1319.6	1318.5	1317.4
177.5°	1320.3	1320.3	1320.3	1320.8	1321.7	1322.6	1323.5	1324.4	1323.5	1322.6	1321.7
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



TEST NUMBER: P333044-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	957.7	954.5	950.4	945.6	940.0	935.0	932.8	934.6	935.6	933.1	932.8
5°	928.5	918.7	910.8	899.0	889.6	881.7	876.2	873.8	874.6	868.4	866.8
7.5°	895.6	884.0	871.2	857.2	844.1	832.6	826.6	823.2	816.6	813.7	808.9
10°	874.6	858.9	846.4	829.8	815.0	801.1	794.5	789.0	782.3	779.1	772.4
12.5°	852.9	834.8	820.9	803.8	788.5	771.9	765.6	755.4	744.9	738.3	729.7
15°	822.3	800.4	783.5	763.1	745.0	726.1	709.2	690.3	683.3	668.3	659.7
17.5°	786.6	764.3	743.4	716.0	688.1	664.7	646.6	628.6	617.7	608.2	603.8
20°	763.1	742.7	713.6	681.8	650.7	624.7	610.2	598.4	586.6	580.0	575.2
22.5°	740.7	714.7	680.9	646.5	615.5	595.2	582.9	570.8	561.2	554.8	548.6
25°	703.4	669.1	633.4	594.1	572.9	555.2	541.8	532.0	526.1	517.9	514.7
27.5°	664.9	623.5	584.0	557.6	535.5	519.4	507.8	500.4	492.9	487.6	483.5
30°	635.3	593.3	558.0	532.8	510.4	497.1	487.6	479.0	473.1	468.8	465.6
32.5°	606.1	564.1	534.3	507.4	489.7	476.7	466.6	460.1	455.4	449.9	448.0
35°	563.8	526.5	500.6	476.3	458.2	446.4	438.5	431.8	427.9	426.4	425.2
37.5°	523.2	492.6	464.7	444.7	428.7	419.4	410.1	406.9	404.1	401.3	402.6
40°	497.5	468.8	444.0	422.8	409.8	399.6	394.0	390.2	387.8	387.8	387.8
42.5°	475.1	447.1	422.9	403.9	390.9	382.3	376.2	372.8	372.1	371.7	373.7
45°	440.5	414.5	390.2	374.5	363.5	354.8	351.2	348.5	348.5	350.1	350.5
47.5°	406.2	381.8	362.2	344.7	334.6	329.2	326.1	324.7	324.9	326.4	328.2
50°	385.1	361.1	341.8	326.1	316.7	311.5	308.8	308.0	308.8	308.8	311.5
52.5°	362.1	340.6	321.7	308.5	297.8	293.1	291.5	290.4	290.9	292.2	293.4
55°	328.5	309.2	291.1	278.6	270.7	267.6	264.1	264.5	263.7	264.5	264.5
57.5°	294.8	277.5	260.6	250.6	243.8	239.2	235.4	236.4	235.3	235.1	234.5
60°	273.1	254.2	240.9	231.9	224.0	220.0	216.5	217.3	216.1	215.3	213.8
62.5°	249.5	233.8	221.1	212.4	206.0	201.5	197.9	197.1	194.4	191.8	188.2
65°	215.3	202.4	191.0	182.7	176.8	173.3	170.6	168.1	162.3	156.0	152.9
67.5°	182.1	172.7	162.1	155.1	150.4	145.7	140.5	136.4	130.9	127.4	125.5
70°	160.7	151.7	142.6	135.9	130.9	126.5	120.6	117.9	113.9	112.4	110.4
72.5°	140.3	131.9	123.4	117.4	112.0	108.6	104.0	101.2	99.5	98.9	96.8
75°	109.3	102.6	96.2	90.8	86.4	84.1	82.1	80.2	79.4	75.8	73.8
77.5°	79.7	75.2	71.4	67.5	64.3	62.8	59.0	56.8	55.4	53.7	53.3
80°	62.1	59.0	55.0	52.6	48.4	46.8	45.1	44.8	44.4	44.0	43.6
82.5°	46.7	43.5	39.6	38.2	37.1	36.1	35.1	34.7	34.3	34.5	34.5
85°	23.5	22.0	22.0	21.6	21.2	20.8	20.4	20.4	20.0	20.4	20.0
87.5°	10.5	10.6	10.9	10.7	11.4	11.7	11.7	11.9	12.5	12.2	12.4
90°	13.0	15.2	17.1	18.9	20.7	22.5	23.8	25.2	26.6	28.0	28.9
92.5°	33.3	35.4	36.7	38.0	39.3	40.5	41.3	42.1	42.9	43.8	44.3
95°	69.6	71.4	73.0	74.5	76.1	77.8	78.5	79.1	79.8	80.5	80.8
97.5°	113.8	115.5	117.3	119.3	121.1	123.0	123.8	124.6	125.4	126.2	126.6
100°	146.8	148.3	150.4	152.4	154.5	156.5	156.9	157.4	157.8	158.3	158.5
102.5°	182.3	183.4	185.3	187.1	189.0	190.9	191.6	192.2	192.8	193.5	193.9
105°	239.2	239.8	240.8	241.7	242.6	243.5	244.2	244.9	245.5	246.2	246.9
107.5°	299.8	300.0	300.1	300.3	300.4	300.5	301.2	301.8	302.5	303.2	303.4
110°	341.4	341.5	341.3	341.1	340.9	340.6	340.2	339.7	339.3	338.8	339.0



TEST NUMBER: P333044-840

CATALOG NUMBER: S124RDIW-S575D1050U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	382.5	382.4	382.0	381.6	381.2	380.8	380.7	380.6	380.5	380.4	380.4
115°	446.1	445.9	445.4	444.9	444.4	444.0	443.7	443.5	443.3	443.1	442.8
117.5°	507.0	506.9	506.5	506.2	505.9	505.5	504.8	504.0	503.2	502.5	501.9
120°	550.0	550.1	549.4	548.7	548.1	547.3	546.2	545.0	543.9	542.8	542.4
122.5°	589.5	589.6	589.2	588.9	588.5	588.2	587.4	586.7	585.9	585.1	584.3
125°	649.6	649.5	649.2	649.0	648.8	648.6	648.1	647.7	647.2	646.8	646.3
127.5°	708.2	708.4	708.0	707.6	707.3	706.9	706.5	706.0	705.6	705.1	704.7
130°	747.5	747.8	747.8	747.8	747.8	747.8	747.4	746.9	746.5	746.0	745.4
132.5°	786.9	787.0	786.9	786.7	786.5	786.3	785.9	785.4	785.0	784.5	784.1
135°	843.3	844.0	844.0	844.0	844.0	844.0	843.5	843.1	842.6	842.2	841.6
137.5°	898.1	898.6	899.0	899.4	899.7	900.1	899.5	898.9	898.3	897.7	897.5
140°	935.8	936.0	936.0	936.0	936.0	936.0	935.8	935.6	935.4	935.1	934.9
142.5°	971.1	971.2	971.0	970.8	970.7	970.5	970.4	970.4	970.3	970.3	970.2
145°	1021.6	1022.1	1022.4	1022.6	1022.8	1023.0	1022.8	1022.6	1022.4	1022.1	1021.7
147.5°	1070.6	1071.1	1070.9	1070.7	1070.5	1070.3	1070.2	1070.0	1069.8	1069.5	1069.3
150°	1099.3	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.6
152.5°	1125.7	1126.0	1126.2	1126.4	1126.6	1126.8	1127.3	1127.8	1128.4	1128.9	1128.9
155°	1166.3	1166.2	1165.9	1165.7	1165.5	1165.3	1166.2	1167.1	1168.0	1168.9	1168.9
157.5°	1200.6	1200.4	1200.3	1200.3	1200.2	1200.2	1200.9	1201.6	1202.2	1203.0	1203.0
160°	1222.6	1222.4	1222.1	1221.9	1221.7	1221.5	1222.1	1222.8	1223.6	1224.3	1224.0
162.5°	1240.8	1240.4	1240.2	1240.0	1239.7	1239.5	1240.7	1241.9	1243.1	1244.5	1244.5
165°	1266.9	1266.3	1265.9	1265.4	1265.0	1264.5	1265.9	1267.2	1268.6	1269.9	1270.1
167.5°	1286.1	1285.6	1285.7	1285.7	1285.7	1285.8	1287.1	1288.5	1289.8	1291.2	1291.2
170°	1296.8	1296.3	1296.6	1296.8	1297.0	1297.2	1298.6	1299.9	1301.3	1302.6	1302.5
172.5°	1305.7	1305.3	1305.3	1305.4	1305.4	1305.4	1307.0	1308.5	1310.0	1311.6	1311.5
175°	1316.2	1315.6	1315.2	1315.0	1314.8	1314.6	1316.2	1317.8	1319.4	1321.0	1321.0
177.5°	1320.8	1320.3	1320.3	1320.3	1320.3	1320.3	1321.6	1322.9	1324.1	1325.4	1325.3
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



TEST NUMBER: P333044-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	930.9	931.5	929.4	928.7	929.4	931.5	930.9	932.8	933.1	935.6	934.6
5°	863.6	862.8	860.9	861.3	860.9	862.8	863.6	866.8	868.4	874.6	873.8
7.5°	806.1	803.0	804.0	800.7	804.0	803.0	806.1	808.9	813.7	816.6	823.2
10°	770.9	766.6	763.1	759.9	763.1	766.6	770.9	772.4	779.1	782.3	789.0
12.5°	722.9	719.1	714.3	715.3	714.3	719.1	722.9	729.7	738.3	744.9	755.4
15°	654.6	648.7	639.2	640.5	639.2	648.7	654.6	659.7	668.3	683.3	690.3
17.5°	596.8	596.9	592.6	593.6	592.6	596.9	596.8	603.8	608.2	617.7	628.6
20°	566.9	564.2	564.6	563.4	564.6	564.2	566.9	575.2	580.0	586.6	598.4
22.5°	546.2	542.9	540.1	537.7	540.1	542.9	546.2	548.6	554.8	561.2	570.8
25°	511.2	508.9	505.3	504.5	505.3	508.9	511.2	514.7	517.9	526.1	532.0
27.5°	480.4	479.9	478.5	476.7	478.5	479.9	480.4	483.5	487.6	492.9	500.4
30°	462.4	461.7	460.9	459.7	460.9	461.7	462.4	465.6	468.8	473.1	479.0
32.5°	446.5	446.0	445.1	445.2	445.1	446.0	446.5	448.0	449.9	455.4	460.1
35°	423.5	423.1	422.4	422.0	422.4	423.1	423.5	425.2	426.4	427.9	431.8
37.5°	402.2	403.2	402.7	402.6	402.7	403.2	402.2	402.6	401.3	404.1	406.9
40°	387.4	387.8	388.6	388.2	388.6	387.8	387.4	387.8	387.8	387.8	390.2
42.5°	375.2	375.3	376.4	375.0	376.4	375.3	375.2	373.7	371.7	372.1	372.8
45°	353.3	355.6	355.2	355.2	355.2	355.6	353.3	350.5	350.1	348.5	348.5
47.5°	329.2	331.3	331.8	331.7	331.8	331.3	329.2	328.2	326.4	324.9	324.7
50°	313.6	312.8	314.0	313.6	314.0	312.8	313.6	311.5	308.8	308.8	308.0
52.5°	294.4	294.6	294.5	294.1	294.5	294.6	294.4	293.4	292.2	290.9	290.4
55°	264.8	265.2	264.5	264.8	264.5	265.2	264.8	264.5	264.5	263.7	264.5
57.5°	232.8	230.9	231.7	230.8	231.7	230.9	232.8	234.5	235.1	235.3	236.4
60°	209.8	206.7	205.9	204.3	205.9	206.7	209.8	213.8	215.3	216.1	217.3
62.5°	184.0	181.9	179.2	180.5	179.2	181.9	184.0	188.2	191.8	194.4	197.1
65°	149.7	148.1	146.9	148.6	146.9	148.1	149.7	152.9	156.0	162.3	168.1
67.5°	123.9	123.1	123.1	122.3	123.1	123.1	123.9	125.5	127.4	130.9	136.4
70°	110.4	109.3	109.3	108.5	109.3	109.3	110.4	110.4	112.4	113.9	117.9
72.5°	96.5	95.4	95.7	95.2	95.7	95.4	96.5	96.8	98.9	99.5	101.2
75°	71.5	69.6	69.6	70.0	69.6	69.6	71.5	73.8	75.8	79.4	80.2
77.5°	53.3	52.9	53.5	52.8	53.5	52.9	53.3	53.3	53.7	55.4	56.8
80°	43.6	43.2	42.8	44.0	42.8	43.2	43.6	43.6	44.0	44.4	44.8
82.5°	33.8	33.8	33.7	35.2	33.7	33.8	33.8	34.5	34.5	34.3	34.7
85°	20.4	19.7	20.4	19.7	20.4	19.7	20.4	20.0	20.4	20.0	20.4
87.5°	13.1	12.8	12.6	13.0	12.6	12.8	13.1	12.4	12.2	12.5	11.9
90°	29.3	29.8	30.2	30.7	30.2	29.8	29.3	28.9	28.0	26.6	25.2
92.5°	44.6	44.8	45.1	45.4	45.1	44.8	44.6	44.3	43.8	42.9	42.1
95°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.5	79.8	79.1
97.5°	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.2	125.4	124.6
100°	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.3	157.8	157.4
102.5°	194.0	194.2	194.4	194.6	194.4	194.2	194.0	193.9	193.5	192.8	192.2
105°	247.6	248.2	248.9	249.6	248.9	248.2	247.6	246.9	246.2	245.5	244.9
107.5°	303.4	303.4	303.3	303.3	303.3	303.4	303.4	303.4	303.2	302.5	301.8
110°	339.6	340.3	341.0	341.7	341.0	340.3	339.6	339.0	338.8	339.3	339.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	380.6	380.7	380.8	381.0	380.8	380.7	380.6	380.4	380.4	380.5	380.6
115°	442.6	442.4	442.2	441.9	442.2	442.4	442.6	442.8	443.1	443.3	443.5
117.5°	501.4	501.0	500.5	500.1	500.5	501.0	501.4	501.9	502.5	503.2	504.0
120°	542.9	543.3	543.8	544.2	543.8	543.3	542.9	542.4	542.8	543.9	545.0
122.5°	583.5	582.7	581.9	581.1	581.9	582.7	583.5	584.3	585.1	585.9	586.7
125°	645.9	645.4	645.0	644.5	645.0	645.4	645.9	646.3	646.8	647.2	647.7
127.5°	704.3	704.0	703.6	703.3	703.6	704.0	704.3	704.7	705.1	705.6	706.0
130°	744.5	743.6	742.7	741.7	742.7	743.6	744.5	745.4	746.0	746.5	746.9
132.5°	783.8	783.4	782.9	782.6	782.9	783.4	783.8	784.1	784.5	785.0	785.4
135°	840.9	840.2	839.6	838.9	839.6	840.2	840.9	841.6	842.2	842.6	843.1
137.5°	897.6	897.8	897.9	898.0	897.9	897.8	897.6	897.5	897.7	898.3	898.9
140°	934.7	934.5	934.2	934.0	934.2	934.5	934.7	934.9	935.1	935.4	935.6
142.5°	970.2	970.2	970.1	970.1	970.1	970.2	970.2	970.2	970.3	970.3	970.4
145°	1021.0	1020.3	1019.7	1019.0	1019.7	1020.3	1021.0	1021.7	1022.1	1022.4	1022.6
147.5°	1069.1	1068.9	1068.6	1068.4	1068.6	1068.9	1069.1	1069.3	1069.5	1069.8	1070.0
150°	1099.4	1099.2	1098.9	1098.7	1098.9	1099.2	1099.4	1099.6	1099.7	1099.7	1099.7
152.5°	1128.3	1127.7	1127.1	1126.6	1127.1	1127.7	1128.3	1128.9	1128.9	1128.4	1127.8
155°	1168.0	1167.1	1166.2	1165.3	1166.2	1167.1	1168.0	1168.9	1168.9	1168.0	1167.1
157.5°	1202.1	1201.3	1200.6	1199.8	1200.6	1201.3	1202.1	1203.0	1203.0	1202.2	1201.6
160°	1222.8	1221.7	1220.6	1219.4	1220.6	1221.7	1222.8	1224.0	1224.3	1223.6	1222.8
162.5°	1243.3	1242.2	1241.0	1239.9	1241.0	1242.2	1243.3	1244.5	1244.5	1243.1	1241.9
165°	1269.2	1268.3	1267.4	1266.5	1267.4	1268.3	1269.2	1270.1	1269.9	1268.6	1267.2
167.5°	1289.8	1288.4	1287.0	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.8	1288.5
170°	1301.0	1299.4	1297.8	1296.2	1297.8	1299.4	1301.0	1302.5	1302.6	1301.3	1299.9
172.5°	1310.0	1308.4	1306.8	1305.1	1306.8	1308.4	1310.0	1311.5	1311.6	1310.0	1308.5
175°	1319.4	1317.8	1316.2	1314.6	1316.2	1317.8	1319.4	1321.0	1321.0	1319.4	1317.8
177.5°	1323.8	1322.4	1321.0	1319.5	1321.0	1322.4	1323.8	1325.3	1325.4	1324.1	1322.9
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	932.8	935.0	940.0	945.6	950.4	954.5	957.7	962.0	966.1	971.8	977.1
5°	876.2	881.7	889.6	899.0	910.8	918.7	928.5	937.2	949.7	962.3	974.4
7.5°	826.6	832.6	844.1	857.2	871.2	884.0	895.6	910.9	927.6	945.9	966.3
10°	794.5	801.1	815.0	829.8	846.4	858.9	874.6	892.7	911.6	933.9	959.1
12.5°	765.6	771.9	788.5	803.8	820.9	834.8	852.9	871.3	896.5	920.8	949.4
15°	709.2	726.1	745.0	763.1	783.5	800.4	822.3	841.2	865.3	899.4	932.0
17.5°	646.6	664.7	688.1	716.0	743.4	764.3	786.6	810.0	838.6	873.4	911.1
20°	610.2	624.7	650.7	681.8	713.6	742.7	763.1	789.0	818.5	856.2	895.0
22.5°	582.9	595.2	615.5	646.5	680.9	714.7	740.7	766.4	799.0	836.7	879.1
25°	541.8	555.2	572.9	594.1	633.4	669.1	703.4	732.8	767.4	805.1	852.2
27.5°	507.8	519.4	535.5	557.6	584.0	623.5	664.9	698.5	734.0	774.5	821.6
30°	487.6	497.1	510.4	532.8	558.0	593.3	635.3	674.7	710.4	752.5	801.5
32.5°	466.6	476.7	489.7	507.4	534.3	564.1	606.1	649.1	687.1	730.1	778.3
35°	438.5	446.4	458.2	476.3	500.6	526.5	563.8	608.2	648.3	694.3	740.2
37.5°	410.1	419.4	428.7	444.7	464.7	492.6	523.2	568.6	613.0	654.9	699.8
40°	394.0	399.6	409.8	422.8	444.0	468.8	497.5	541.8	586.2	627.9	673.1
42.5°	376.2	382.3	390.9	403.9	422.9	447.1	475.1	513.5	559.9	600.3	641.4
45°	351.2	354.8	363.5	374.5	390.2	414.5	440.5	474.6	518.3	556.7	592.9
47.5°	326.1	329.2	334.6	344.7	362.2	381.8	406.2	436.8	475.0	513.5	544.1
50°	308.8	311.5	316.7	326.1	341.8	361.1	385.1	412.5	446.8	483.7	509.2
52.5°	291.5	293.1	297.8	308.5	321.7	340.6	362.1	387.4	419.4	450.1	475.9
55°	264.1	267.6	270.7	278.6	291.1	309.2	328.5	352.4	377.2	403.1	425.2
57.5°	235.4	239.2	243.8	250.6	260.6	277.5	294.8	314.2	335.3	356.9	375.3
60°	216.5	220.0	224.0	231.9	240.9	254.2	273.1	289.9	306.1	325.7	344.2
62.5°	197.9	201.5	206.0	212.4	221.1	233.8	249.5	264.2	280.9	298.1	311.8
65°	170.6	173.3	176.8	182.7	191.0	202.4	215.3	226.7	241.7	254.2	266.8
67.5°	140.5	145.7	150.4	155.1	162.1	172.7	182.1	193.0	203.2	212.5	224.0
70°	120.6	126.5	130.9	135.9	142.6	151.7	160.7	168.1	176.4	185.4	195.7
72.5°	104.0	108.6	112.0	117.4	123.4	131.9	140.3	146.4	153.2	159.4	169.3
75°	82.1	84.1	86.4	90.8	96.2	102.6	109.3	114.7	118.7	124.1	131.3
77.5°	59.0	62.8	64.3	67.5	71.4	75.2	79.7	84.3	88.1	90.1	95.4
80°	45.1	46.8	48.4	52.6	55.0	59.0	62.1	66.4	68.0	70.0	75.0
82.5°	35.1	36.1	37.1	38.2	39.6	43.5	46.7	49.4	51.0	51.7	55.5
85°	20.4	20.8	21.2	21.6	22.0	22.0	23.5	25.5	28.3	28.3	29.5
87.5°	11.7	11.7	11.4	10.7	10.9	10.6	10.5	10.0	10.4	10.9	11.3
90°	23.8	22.5	20.7	18.9	17.1	15.2	13.0	10.6	8.1	5.6	3.0
92.5°	41.3	40.5	39.3	38.0	36.7	35.4	33.3	30.5	27.7	24.7	21.9
95°	78.5	77.8	76.1	74.5	73.0	71.4	69.6	67.6	65.4	63.4	61.4
97.5°	123.8	123.0	121.1	119.3	117.3	115.5	113.8	112.1	110.5	108.9	107.2
100°	156.9	156.5	154.5	152.4	150.4	148.3	146.8	145.9	145.0	144.1	143.2
102.5°	191.6	190.9	189.0	187.1	185.3	183.4	182.3	182.0	181.6	181.3	180.9
105°	244.2	243.5	242.6	241.7	240.8	239.8	239.2	239.0	238.8	238.6	238.3
107.5°	301.2	300.5	300.4	300.3	300.1	300.0	299.8	299.5	299.2	299.0	298.7
110°	340.2	340.6	340.9	341.1	341.3	341.5	341.4	341.0	340.5	340.1	339.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	380.7	380.8	381.2	381.6	382.0	382.4	382.5	382.4	382.4	382.3	382.2
115°	443.7	444.0	444.4	444.9	445.4	445.9	446.1	446.1	446.1	446.1	446.1
117.5°	504.8	505.5	505.9	506.2	506.5	506.9	507.0	506.8	506.5	506.3	506.2
120°	546.2	547.3	548.1	548.7	549.4	550.1	550.0	549.1	548.2	547.2	546.3
122.5°	587.4	588.2	588.5	588.9	589.2	589.6	589.5	589.2	588.8	588.4	588.0
125°	648.1	648.6	648.8	649.0	649.2	649.5	649.6	649.6	649.6	649.6	649.6
127.5°	706.5	706.9	707.3	707.6	708.0	708.4	708.2	707.5	706.8	706.2	705.5
130°	747.4	747.8	747.8	747.8	747.8	747.8	747.5	746.8	746.1	745.5	744.8
132.5°	785.9	786.3	786.5	786.7	786.9	787.0	786.9	786.4	785.9	785.4	784.9
135°	843.5	844.0	844.0	844.0	844.0	844.0	843.3	841.9	840.6	839.2	837.9
137.5°	899.5	900.1	899.7	899.4	899.0	898.6	898.1	897.5	896.9	896.2	895.5
140°	935.8	936.0	936.0	936.0	936.0	936.0	935.8	935.4	934.9	934.5	934.0
142.5°	970.4	970.5	970.7	970.8	971.0	971.2	971.1	970.6	970.2	969.7	969.3
145°	1022.8	1023.0	1022.8	1022.6	1022.4	1022.1	1021.6	1020.7	1019.8	1018.9	1017.9
147.5°	1070.2	1070.3	1070.5	1070.7	1070.9	1071.1	1070.6	1069.4	1068.4	1067.3	1066.2
150°	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.3	1098.4	1097.5	1096.6	1095.7
152.5°	1127.3	1126.8	1126.6	1126.4	1126.2	1126.0	1125.7	1125.1	1124.6	1124.1	1123.5
155°	1166.2	1165.3	1165.5	1165.7	1165.9	1166.2	1166.3	1166.3	1166.3	1166.3	1166.3
157.5°	1200.9	1200.2	1200.2	1200.3	1200.3	1200.4	1200.6	1201.0	1201.4	1201.8	1202.2
160°	1222.1	1221.5	1221.7	1221.9	1222.1	1222.4	1222.6	1222.8	1223.0	1223.4	1223.6
162.5°	1240.7	1239.5	1239.7	1240.0	1240.2	1240.4	1240.8	1241.4	1242.0	1242.6	1243.1
165°	1265.9	1264.5	1265.0	1265.4	1265.9	1266.3	1266.9	1267.6	1268.2	1268.9	1269.6
167.5°	1287.1	1285.8	1285.7	1285.7	1285.7	1285.6	1286.1	1287.0	1288.0	1288.9	1289.8
170°	1298.6	1297.2	1297.0	1296.8	1296.6	1296.3	1296.8	1297.9	1299.0	1300.2	1301.3
172.5°	1307.0	1305.4	1305.4	1305.4	1305.3	1305.3	1305.7	1306.7	1307.6	1308.5	1309.5
175°	1316.2	1314.6	1314.8	1315.0	1315.2	1315.6	1316.2	1317.4	1318.5	1319.6	1320.7
177.5°	1321.6	1320.3	1320.3	1320.3	1320.3	1320.3	1320.8	1321.7	1322.6	1323.5	1324.4
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	981.2	984.0	987.1	993.1	998.2	1000.4	1004.8	1007.9	1006.9	1011.4	1019.0
5°	985.0	995.6	1007.8	1020.4	1034.5	1046.3	1055.8	1065.2	1072.7	1081.7	1095.1
7.5°	984.4	1003.3	1023.8	1046.3	1069.5	1089.5	1108.1	1127.0	1143.7	1162.1	1186.0
10°	981.9	1007.0	1032.6	1062.1	1091.6	1119.4	1144.6	1168.1	1190.5	1214.5	1244.8
12.5°	979.1	1007.9	1038.8	1074.3	1111.1	1144.6	1174.2	1208.1	1236.1	1267.0	1302.0
15°	966.5	1005.5	1047.5	1093.5	1137.5	1182.7	1223.1	1264.9	1303.7	1340.6	1384.6
17.5°	952.3	997.1	1046.7	1101.1	1154.0	1208.8	1256.9	1309.4	1349.1	1398.7	1439.6
20°	940.7	989.0	1042.0	1102.9	1163.1	1224.0	1277.0	1330.4	1375.2	1425.1	1477.0
22.5°	926.6	979.6	1037.0	1100.0	1163.1	1229.6	1288.3	1341.4	1396.9	1453.1	1506.5
25°	903.7	958.8	1019.7	1088.7	1161.0	1229.0	1291.9	1358.0	1417.6	1478.5	1526.5
27.5°	875.8	933.5	997.7	1069.0	1143.3	1212.8	1286.9	1357.3	1417.3	1475.9	1517.7
30°	853.4	914.3	976.0	1048.3	1125.3	1200.0	1279.3	1349.7	1412.9	1465.6	1489.1
32.5°	830.5	888.3	951.8	1025.0	1104.0	1184.3	1263.0	1334.9	1393.4	1425.0	1425.6
35°	790.5	844.8	910.8	982.7	1063.6	1150.8	1230.6	1301.3	1337.1	1339.9	1301.3
37.5°	747.0	796.8	859.1	931.1	1019.7	1106.5	1187.9	1235.1	1247.1	1207.1	1135.9
40°	715.9	761.8	822.0	895.9	983.9	1073.5	1147.7	1182.2	1169.7	1104.9	1025.5
42.5°	683.2	726.0	784.0	856.9	945.2	1035.7	1099.0	1117.5	1084.2	1009.4	916.5
45°	629.9	669.1	726.5	800.0	884.8	969.8	1017.6	1008.2	952.8	864.0	759.9
47.5°	574.3	612.3	663.9	731.8	818.8	892.0	924.4	896.1	817.2	719.5	634.8
50°	537.6	576.4	624.0	688.8	768.2	838.9	859.7	816.5	728.8	635.0	557.1
52.5°	501.4	534.6	581.2	643.8	719.7	779.5	790.5	740.7	650.3	566.1	497.2
55°	446.4	476.7	515.9	574.8	640.5	691.2	685.3	621.2	539.1	467.2	412.9
57.5°	393.1	416.0	452.2	507.5	565.1	599.2	577.5	523.0	446.5	387.6	341.8
60°	358.0	379.2	412.9	461.3	512.0	531.2	513.1	453.8	393.3	339.5	300.9
62.5°	324.7	343.4	372.4	417.3	458.2	469.6	450.3	398.5	344.0	298.0	266.1
65°	276.2	293.5	318.3	350.1	378.4	383.8	371.3	318.3	277.0	238.5	216.5
67.5°	232.3	243.6	263.0	290.4	305.5	308.7	284.4	251.1	214.7	191.1	174.5
70°	202.8	210.6	228.6	243.6	255.8	256.2	233.8	207.0	179.2	160.0	147.7
72.5°	174.1	181.7	195.4	205.6	214.9	211.9	191.4	170.3	147.7	133.2	124.1
75°	134.4	141.1	148.1	152.9	152.9	149.0	134.0	118.3	105.3	96.6	93.9
77.5°	97.7	103.2	105.5	104.8	103.4	97.3	87.9	77.6	72.9	68.9	66.8
80°	76.6	79.0	79.8	77.8	75.4	68.4	62.1	57.8	53.4	51.9	51.1
82.5°	56.9	58.9	56.9	57.4	52.2	46.4	42.9	41.4	39.6	39.0	38.2
85°	30.3	29.9	29.1	27.1	23.5	22.8	22.4	22.0	21.2	21.6	20.8
87.5°	11.5	11.0	10.3	10.5	10.9	10.6	11.3	11.7	12.0	12.0	12.9
90°	5.6	8.1	10.6	13.0	15.2	17.1	18.9	20.7	22.5	23.8	25.2
92.5°	24.7	27.7	30.5	33.3	35.4	36.7	38.0	39.3	40.5	41.3	42.1
95°	63.4	65.4	67.6	69.6	71.4	73.0	74.5	76.1	77.8	78.5	79.1
97.5°	108.9	110.5	112.1	113.8	115.5	117.3	119.3	121.1	123.0	123.8	124.6
100°	144.1	145.0	145.9	146.8	148.3	150.4	152.4	154.5	156.5	156.9	157.4
102.5°	181.3	181.6	182.0	182.3	183.4	185.3	187.1	189.0	190.9	191.6	192.2
105°	238.6	238.8	239.0	239.2	239.8	240.8	241.7	242.6	243.5	244.2	244.9
107.5°	299.0	299.2	299.5	299.8	300.0	300.1	300.3	300.4	300.5	301.2	301.8
110°	340.1	340.5	341.0	341.4	341.5	341.3	341.1	340.9	340.6	340.2	339.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	382.3	382.4	382.4	382.5	382.4	382.0	381.6	381.2	380.8	380.7	380.6
115°	446.1	446.1	446.1	446.1	445.9	445.4	444.9	444.4	444.0	443.7	443.5
117.5°	506.3	506.5	506.8	507.0	506.9	506.5	506.2	505.9	505.5	504.8	504.0
120°	547.2	548.2	549.1	550.0	550.1	549.4	548.7	548.1	547.3	546.2	545.0
122.5°	588.4	588.8	589.2	589.5	589.6	589.2	588.9	588.5	588.2	587.4	586.7
125°	649.6	649.6	649.6	649.6	649.5	649.2	649.0	648.8	648.6	648.1	647.7
127.5°	706.2	706.8	707.5	708.2	708.4	708.0	707.6	707.3	706.9	706.5	706.0
130°	745.5	746.1	746.8	747.5	747.8	747.8	747.8	747.8	747.8	747.4	746.9
132.5°	785.4	785.9	786.4	786.9	787.0	786.9	786.7	786.5	786.3	785.9	785.4
135°	839.2	840.6	841.9	843.3	844.0	844.0	844.0	844.0	844.0	843.5	843.1
137.5°	896.2	896.9	897.5	898.1	898.6	899.0	899.4	899.7	900.1	899.5	898.9
140°	934.5	934.9	935.4	935.8	936.0	936.0	936.0	936.0	936.0	935.8	935.6
142.5°	969.7	970.2	970.6	971.1	971.2	971.0	970.8	970.7	970.5	970.4	970.4
145°	1018.9	1019.8	1020.7	1021.6	1022.1	1022.4	1022.6	1022.8	1023.0	1022.8	1022.6
147.5°	1067.3	1068.4	1069.4	1070.6	1071.1	1070.9	1070.7	1070.5	1070.3	1070.2	1070.0
150°	1096.6	1097.5	1098.4	1099.3	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7	1099.7
152.5°	1124.1	1124.6	1125.1	1125.7	1126.0	1126.2	1126.4	1126.6	1126.8	1127.3	1127.8
155°	1166.3	1166.3	1166.3	1166.3	1166.2	1165.9	1165.7	1165.5	1165.3	1166.2	1167.1
157.5°	1201.8	1201.4	1201.0	1200.6	1200.4	1200.3	1200.3	1200.2	1200.2	1200.9	1201.6
160°	1223.4	1223.0	1222.8	1222.6	1222.4	1222.1	1221.9	1221.7	1221.5	1222.1	1222.8
162.5°	1242.6	1242.0	1241.4	1240.8	1240.4	1240.2	1240.0	1239.7	1239.5	1240.7	1241.9
165°	1268.9	1268.2	1267.6	1266.9	1266.3	1265.9	1265.4	1265.0	1264.5	1265.9	1267.2
167.5°	1288.9	1288.0	1287.0	1286.1	1285.6	1285.7	1285.7	1285.7	1285.8	1287.1	1288.5
170°	1300.2	1299.0	1297.9	1296.8	1296.3	1296.6	1296.8	1297.0	1297.2	1298.6	1299.9
172.5°	1308.5	1307.6	1306.7	1305.7	1305.3	1305.3	1305.4	1305.4	1305.4	1307.0	1308.5
175°	1319.6	1318.5	1317.4	1316.2	1315.6	1315.2	1315.0	1314.8	1314.6	1316.2	1317.8
177.5°	1323.5	1322.6	1321.7	1320.8	1320.3	1320.3	1320.3	1320.3	1320.3	1321.6	1322.9
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	975.2	975.2	975.2	975.2	975.2	975.2	975.2
2.5°	1023.0	1024.3	1025.2	1028.3	1028.6	1031.5	1028.6
5°	1107.6	1113.2	1121.8	1130.4	1131.3	1136.7	1126.9
7.5°	1202.5	1215.3	1223.2	1237.2	1242.7	1246.2	1240.5
10°	1268.0	1279.7	1300.6	1310.8	1321.0	1322.5	1317.9
12.5°	1331.1	1349.8	1366.2	1385.6	1385.1	1399.0	1393.9
15°	1415.3	1434.5	1457.3	1478.9	1486.8	1486.8	1493.1
17.5°	1475.3	1510.7	1534.2	1551.2	1569.7	1573.0	1570.7
20°	1515.9	1554.0	1579.1	1601.1	1613.8	1617.3	1617.3
22.5°	1546.1	1578.5	1603.1	1622.9	1633.3	1637.4	1636.1
25°	1567.0	1594.9	1609.8	1615.7	1618.4	1617.6	1610.2
27.5°	1538.3	1537.1	1527.6	1509.5	1496.0	1487.7	1478.3
30°	1483.7	1463.2	1439.7	1413.7	1380.3	1354.7	1347.0
32.5°	1402.3	1356.3	1316.5	1273.2	1237.3	1211.7	1201.0
35°	1244.8	1172.0	1112.8	1060.9	1023.2	999.6	991.7
37.5°	1057.9	987.5	914.1	863.8	832.5	808.7	799.8
40°	939.1	862.4	798.4	751.2	719.0	695.9	695.5
42.5°	830.6	757.5	697.2	663.3	628.5	613.2	613.1
45°	680.1	621.6	570.5	543.8	523.0	510.4	506.9
47.5°	563.1	514.7	480.7	459.4	442.4	434.4	429.2
50°	497.5	455.0	427.9	409.4	400.0	389.8	389.0
52.5°	442.7	408.5	387.4	372.3	360.4	354.3	354.5
55°	372.1	345.0	330.0	318.6	309.2	304.5	302.6
57.5°	313.5	293.2	282.3	271.9	267.8	264.1	263.1
60°	277.0	263.3	253.1	244.8	238.9	237.7	237.3
62.5°	246.8	232.5	225.4	219.0	214.7	212.9	212.2
65°	203.5	192.9	186.6	181.6	180.0	177.2	176.8
67.5°	164.1	157.7	153.6	150.1	147.8	147.7	147.7
70°	139.9	136.3	132.8	130.9	129.7	128.9	128.9
72.5°	119.2	116.5	113.6	112.6	112.4	111.6	111.3
75°	90.8	88.1	88.4	86.4	84.8	82.9	81.7
77.5°	64.3	62.4	62.0	61.8	60.4	60.2	60.8
80°	49.9	48.0	47.6	48.0	47.6	46.4	46.4
82.5°	38.0	36.4	36.0	35.6	35.2	35.6	35.0
85°	20.4	19.7	19.7	19.7	20.4	20.0	19.7
87.5°	12.5	12.5	13.0	12.8	12.8	12.6	13.0
90°	26.6	28.0	28.9	29.3	29.8	30.2	30.7
92.5°	42.9	43.8	44.3	44.6	44.8	45.1	45.4
95°	79.8	80.5	80.8	80.8	80.8	80.8	80.8
97.5°	125.4	126.2	126.6	126.6	126.6	126.6	126.6
100°	157.8	158.3	158.5	158.5	158.5	158.5	158.5
102.5°	192.8	193.5	193.9	194.0	194.2	194.4	194.6
105°	245.5	246.2	246.9	247.6	248.2	248.9	249.6
107.5°	302.5	303.2	303.4	303.4	303.4	303.3	303.3
110°	339.3	338.8	339.0	339.6	340.3	341.0	341.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	380.5	380.4	380.4	380.6	380.7	380.8	381.0
115°	443.3	443.1	442.8	442.6	442.4	442.2	441.9
117.5°	503.2	502.5	501.9	501.4	501.0	500.5	500.1
120°	543.9	542.8	542.4	542.9	543.3	543.8	544.2
122.5°	585.9	585.1	584.3	583.5	582.7	581.9	581.1
125°	647.2	646.8	646.3	645.9	645.4	645.0	644.5
127.5°	705.6	705.1	704.7	704.3	704.0	703.6	703.3
130°	746.5	746.0	745.4	744.5	743.6	742.7	741.7
132.5°	785.0	784.5	784.1	783.8	783.4	782.9	782.6
135°	842.6	842.2	841.6	840.9	840.2	839.6	838.9
137.5°	898.3	897.7	897.5	897.6	897.8	897.9	898.0
140°	935.4	935.1	934.9	934.7	934.5	934.2	934.0
142.5°	970.3	970.3	970.2	970.2	970.2	970.1	970.1
145°	1022.4	1022.1	1021.7	1021.0	1020.3	1019.7	1019.0
147.5°	1069.8	1069.5	1069.3	1069.1	1068.9	1068.6	1068.4
150°	1099.7	1099.7	1099.6	1099.4	1099.2	1098.9	1098.7
152.5°	1128.4	1128.9	1128.9	1128.3	1127.7	1127.1	1126.6
155°	1168.0	1168.9	1168.9	1168.0	1167.1	1166.2	1165.3
157.5°	1202.2	1203.0	1203.0	1202.1	1201.3	1200.6	1199.8
160°	1223.6	1224.3	1224.0	1222.8	1221.7	1220.6	1219.4
162.5°	1243.1	1244.5	1244.5	1243.3	1242.2	1241.0	1239.9
165°	1268.6	1269.9	1270.1	1269.2	1268.3	1267.4	1266.5
167.5°	1289.8	1291.2	1291.2	1289.8	1288.4	1287.0	1285.6
170°	1301.3	1302.6	1302.5	1301.0	1299.4	1297.8	1296.2
172.5°	1310.0	1311.6	1311.5	1310.0	1308.4	1306.8	1305.1
175°	1319.4	1321.0	1321.0	1319.4	1317.8	1316.2	1314.6
177.5°	1324.1	1325.4	1325.3	1323.8	1322.4	1321.0	1319.5
180°	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8	1322.8

(END OF REPORT)