

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: P332764-940

Luminaire Tested: **S124DIW-S575D1340U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332764-940  
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-S575D1340U940-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6463.8 lumens  
Efficiency: N/A  
Efficacy: 120.1 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: Semi-Indirect

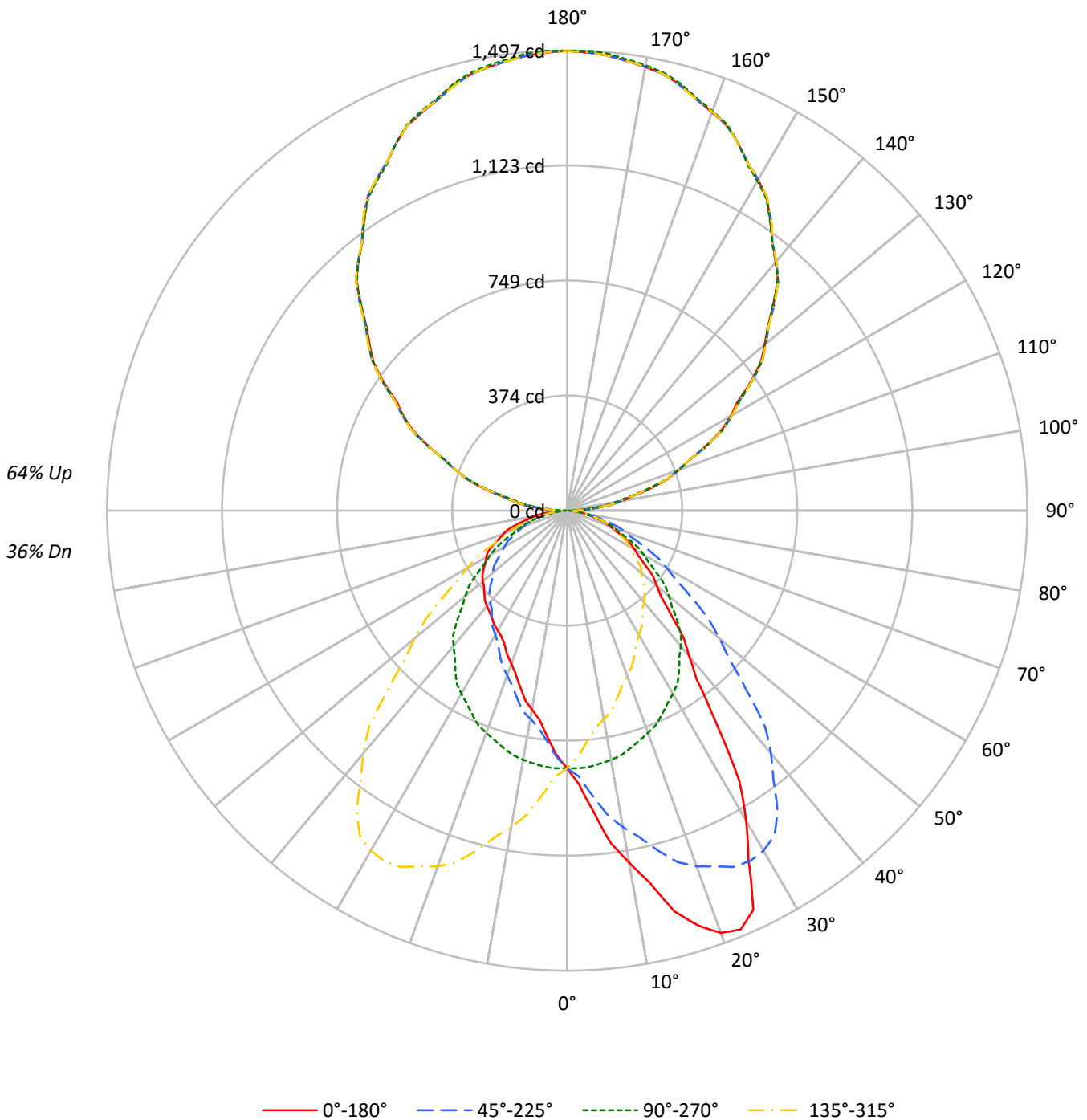
Input Watts (W): 53.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

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

	0°	90°	180°	270°
0°	6761	6761	6761	6761
5°	7963	6779	5983	6779
10°	9534	6749	5387	6749
15°	11280	6680	4947	6680
20°	12560	6611	4554	6611
25°	12764	6509	4284	6509
30°	10860	6411	4198	6411
35°	8349	6250	4199	6250
40°	6509	6062	4278	6062
45°	5426	5779	4349	5779
50°	4775	5434	4496	5434
55°	4376	5020	4677	5020
60°	4101	4648	4897	4648
65°	3817	4235	5075	4235
70°	3489	3824	5193	3824
75°	3119	3366	5128	3366
80°	2613	2757	4965	2757
85°	1927	1991	4761	1991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	1.3
10°-20°	251.5	3.9
20°-30°	398.8	6.2
30°-40°	443.8	6.9
40°-50°	404.0	6.3
50°-60°	330.1	5.1
60°-70°	235.7	3.6
70°-80°	129.8	2.0
80°-90°	39.9	0.6
90°-100°	98.6	1.5
100°-110°	292.2	4.5
110°-120°	495.9	7.7
120°-130°	653.9	10.1
130°-140°	734.3	11.4
140°-150°	721.6	11.2
150°-160°	606.9	9.4
160°-170°	403.8	6.2
170°-180°	141.4	2.2
0°-30°	731.9	11.3
0°-40°	1175.7	18.2
0°-60°	1909.9	29.5
0°-90°	2315.2	35.8
90°-120°	886.7	13.7
90°-150°	2996.4	46.4
90°-180°	4149.0	64.2
0°-180°	6463.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	838	838	838	838	838	
5°	983	836	738	836	983	100
15°	1350	799	592	799	1350	381
25°	1433	731	481	731	1433	632
35°	847	634	426	634	847	538
45°	475	506	381	506	475	374
55°	311	357	332	357	311	281
65°	200	222	266	222	200	198
75°	100	108	164	108	100	106
85°	21	22	51	22	21	26
90°	35	4	35	4	35	18
95°	91	69	91	69	91	95
105°	282	270	282	270	282	297
115°	500	504	500	504	500	494
125°	728	734	728	734	728	650
135°	948	947	948	947	948	732
145°	1152	1151	1152	1151	1152	721
155°	1317	1318	1317	1318	1317	606
165°	1432	1435	1432	1435	1432	403
175°	1486	1493	1486	1493	1486	141
180°	1495	1495	1495	1495	1495	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	891.4	891.1	888.3	887.8	885.8	883.3	882.8	878.3	869.4	865.3	864.2
5°	982.6	989.5	980.4	978.7	977.7	966.3	960.4	953.4	937.5	928.1	920.8
7.5°	1091.4	1092.2	1088.2	1085.0	1076.2	1066.2	1051.2	1035.3	1016.3	996.5	981.6
10°	1163.0	1165.7	1161.3	1160.6	1142.8	1131.8	1109.6	1090.8	1069.3	1045.4	1023.5
12.5°	1238.5	1234.6	1232.3	1217.5	1214.2	1193.9	1168.1	1148.8	1115.6	1088.1	1059.0
15°	1349.6	1342.0	1337.1	1316.7	1306.6	1278.5	1251.1	1229.9	1186.6	1145.3	1114.0
17.5°	1414.9	1422.5	1411.2	1402.8	1376.8	1357.1	1329.1	1284.7	1250.7	1199.4	1160.0
20°	1462.0	1462.8	1456.5	1447.8	1427.4	1402.4	1371.8	1323.3	1282.6	1231.6	1177.5
22.5°	1474.8	1475.0	1472.3	1464.2	1448.7	1428.4	1397.7	1357.1	1308.0	1252.5	1198.4
25°	1432.9	1431.6	1434.7	1443.7	1437.8	1431.6	1413.8	1383.7	1337.8	1279.2	1220.9
27.5°	1277.2	1286.7	1304.4	1326.6	1348.0	1364.2	1368.9	1362.7	1334.3	1286.0	1225.0
30°	1165.0	1176.9	1190.0	1212.3	1255.3	1279.9	1307.0	1327.4	1316.0	1277.5	1220.6
32.5°	1041.8	1044.7	1064.3	1089.6	1129.0	1176.3	1219.2	1260.8	1274.6	1254.5	1206.9
35°	847.2	852.1	873.3	898.2	946.5	1004.4	1069.0	1126.5	1174.1	1193.2	1168.9
37.5°	691.4	705.3	720.2	747.1	789.6	841.8	908.8	983.3	1054.2	1101.6	1109.6
40°	617.6	626.2	637.0	657.5	693.6	744.9	802.5	887.9	963.1	1031.2	1053.4
42.5°	559.3	564.4	571.0	589.4	617.0	668.0	720.6	795.7	871.3	952.6	989.8
45°	475.3	480.5	491.6	502.4	523.2	558.6	607.5	669.2	745.2	823.7	892.3
47.5°	414.6	418.0	424.6	436.1	453.8	477.2	516.9	568.5	638.9	715.1	788.3
50°	380.2	383.0	388.3	398.7	412.1	433.0	465.6	513.8	569.0	645.7	717.5
52.5°	353.0	354.2	358.0	365.1	375.9	393.3	420.1	459.9	511.3	579.6	651.1
55°	310.9	312.3	315.8	320.9	330.3	341.4	361.9	391.7	436.5	495.8	557.9
57.5°	276.2	277.1	280.1	282.0	289.8	298.8	314.5	335.8	369.8	420.1	475.5
60°	254.0	253.2	256.7	258.5	263.7	271.3	283.5	303.9	333.4	374.0	425.0
62.5°	232.3	231.3	234.3	236.6	239.5	246.0	256.0	272.0	296.0	332.7	376.7
65°	199.8	198.5	200.2	203.0	205.7	209.2	216.5	230.7	249.8	276.2	309.8
67.5°	167.2	168.7	169.0	170.3	171.9	176.6	181.6	191.7	205.2	226.3	254.8
70°	147.8	148.1	149.5	149.5	150.6	154.7	158.9	164.8	178.0	197.4	220.7
72.5°	128.4	129.8	129.3	130.4	131.2	133.9	137.0	142.6	153.8	168.3	187.9
75°	100.0	100.9	100.9	101.3	102.4	103.3	105.8	109.9	118.0	128.7	142.2
77.5°	72.9	73.0	73.5	74.7	74.7	76.4	78.2	81.5	85.5	92.8	101.1
80°	56.2	56.9	56.5	57.2	57.2	58.7	59.3	63.5	65.2	70.1	76.7
82.5°	41.2	41.9	41.8	42.8	43.3	43.6	44.6	46.3	48.0	52.3	55.0
85°	20.8	21.5	20.8	21.5	22.6	22.9	23.9	24.3	25.7	26.8	29.2
87.5°	13.0	13.7	13.6	13.8	14.3	14.4	14.4	13.7	14.5	14.5	15.2
90°	34.7	34.2	33.7	33.2	32.6	31.6	30.1	28.5	27.0	25.4	23.4
92.5°	51.4	51.0	50.7	50.4	50.1	49.5	48.6	47.6	46.7	45.8	44.3
95°	91.4	91.4	91.4	91.4	91.4	91.0	90.2	89.4	88.6	87.9	86.1
97.5°	143.2	143.2	143.2	143.2	143.2	142.7	141.8	140.9	139.9	139.0	136.9
100°	179.2	179.2	179.2	179.2	179.2	179.0	178.5	178.0	177.5	176.9	174.6
102.5°	220.0	219.7	219.5	219.4	219.1	218.6	217.9	217.2	216.5	215.8	213.7
105°	282.1	281.4	280.6	279.8	279.1	278.3	277.6	276.8	276.0	275.3	274.2
107.5°	342.8	342.9	342.9	343.0	343.0	342.7	341.9	341.2	340.5	339.7	339.7
110°	386.3	385.5	384.7	384.0	383.2	383.1	383.5	384.1	384.6	385.1	385.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	430.7	430.5	430.3	430.2	430.1	430.0	430.2	430.3	430.3	430.4	430.9
115°	499.6	499.8	500.1	500.3	500.6	500.9	501.1	501.4	501.7	501.9	502.4
117.5°	565.3	565.8	566.3	566.8	567.3	568.0	568.9	569.8	570.6	571.5	571.9
120°	615.2	614.7	614.2	613.7	613.1	613.6	614.8	616.2	617.4	618.7	619.5
122.5°	656.8	657.8	658.7	659.6	660.6	661.5	662.4	663.2	664.1	664.9	665.3
125°	728.5	729.1	729.6	730.1	730.6	731.1	731.6	732.2	732.6	733.2	733.4
127.5°	795.0	795.3	795.8	796.2	796.6	797.0	797.5	798.1	798.6	799.1	799.5
130°	838.4	839.5	840.4	841.5	842.6	843.3	843.8	844.4	844.8	845.3	845.3
132.5°	884.7	885.1	885.5	885.9	886.4	886.8	887.3	887.8	888.3	888.9	889.0
135°	948.2	949.0	949.9	950.6	951.4	952.0	952.5	953.1	953.6	954.0	954.0
137.5°	1015.1	1014.9	1014.9	1014.7	1014.5	1014.8	1015.5	1016.1	1016.7	1017.4	1017.0
140°	1055.9	1056.1	1056.3	1056.6	1056.9	1057.1	1057.4	1057.7	1057.9	1058.1	1058.1
142.5°	1096.5	1096.6	1096.6	1096.7	1096.7	1096.8	1096.9	1096.9	1097.0	1097.0	1097.3
145°	1151.8	1152.6	1153.3	1154.1	1154.9	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2
147.5°	1207.8	1208.1	1208.3	1208.5	1208.8	1209.1	1209.2	1209.4	1209.7	1209.9	1210.1
150°	1242.1	1242.2	1242.5	1242.8	1243.0	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1
152.5°	1273.5	1274.2	1274.8	1275.5	1276.1	1276.2	1275.6	1275.0	1274.3	1273.7	1273.5
155°	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3	1320.3	1319.3	1318.2	1317.2	1317.4
157.5°	1356.3	1357.2	1358.0	1358.9	1359.8	1359.9	1359.1	1358.3	1357.5	1356.7	1356.8
160°	1378.5	1379.7	1381.1	1382.3	1383.6	1383.8	1383.1	1382.3	1381.5	1380.8	1381.1
162.5°	1401.6	1402.9	1404.2	1405.4	1406.8	1406.7	1405.3	1403.9	1402.6	1401.1	1401.4
165°	1431.6	1432.7	1433.7	1434.8	1435.8	1435.6	1434.0	1432.4	1430.9	1429.3	1429.9
167.5°	1453.2	1454.8	1456.3	1457.9	1459.6	1459.6	1458.0	1456.5	1455.0	1453.4	1453.4
170°	1465.3	1467.0	1468.8	1470.6	1472.4	1472.6	1471.0	1469.5	1467.9	1466.3	1466.2
172.5°	1475.4	1477.2	1479.0	1480.8	1482.6	1482.6	1480.9	1479.1	1477.4	1475.6	1475.6
175°	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3	1491.4	1489.6	1487.8	1486.0	1486.3
177.5°	1491.6	1493.3	1494.9	1496.6	1498.2	1498.3	1496.8	1495.4	1494.0	1492.5	1492.5
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	864.4	860.6	857.8	855.6	849.4	845.9	843.1	839.2	834.7	830.0	824.2
5°	913.6	901.7	893.0	879.9	867.4	856.9	846.2	836.5	824.7	811.9	802.5
7.5°	965.1	947.5	925.1	905.5	883.6	864.5	847.5	830.0	811.8	794.2	778.0
10°	997.8	975.3	950.3	920.8	893.0	868.4	845.5	823.3	801.8	780.2	761.9
12.5°	1033.0	1005.0	968.0	933.5	902.5	869.5	841.9	814.7	788.7	766.2	744.7
15°	1080.4	1039.8	997.1	951.0	910.1	871.6	833.7	799.3	770.3	740.4	719.6
17.5°	1109.5	1059.3	1010.5	962.2	912.7	864.1	823.3	783.7	747.2	717.6	691.3
20°	1128.6	1078.7	1018.0	969.7	910.7	860.8	813.6	769.5	731.4	699.8	672.7
22.5°	1145.3	1087.5	1026.8	963.3	904.6	851.6	800.0	755.6	716.7	683.4	657.5
25°	1154.3	1088.1	1022.1	958.9	892.3	829.6	782.7	730.7	689.0	654.0	626.2
27.5°	1155.3	1084.4	1009.9	939.7	870.9	812.4	753.3	706.8	663.6	626.5	599.9
30°	1152.2	1078.3	998.2	922.2	853.2	789.6	738.3	687.7	643.5	606.8	579.1
32.5°	1142.5	1065.5	983.2	902.8	831.3	769.1	716.1	668.0	625.0	588.8	559.6
35°	1114.4	1038.4	950.7	867.0	793.8	731.0	683.1	634.2	591.2	556.9	528.8
37.5°	1070.5	1001.7	912.6	826.0	754.1	691.1	643.5	599.4	560.6	525.7	496.9
40°	1032.2	971.8	882.3	798.0	720.2	660.2	615.8	575.2	536.7	503.7	476.4
42.5°	988.0	935.4	852.8	763.6	688.6	628.3	585.1	548.6	512.3	481.9	454.4
45°	909.4	874.7	796.9	714.3	636.3	579.4	538.1	506.2	475.6	445.9	422.9
47.5°	818.9	801.6	736.2	657.8	583.7	527.6	491.9	462.4	435.6	410.3	390.1
50°	758.0	749.8	693.2	617.6	546.8	494.1	458.0	432.7	409.7	387.5	368.5
52.5°	698.1	697.9	646.8	577.6	512.1	461.3	425.5	401.8	382.0	363.9	346.8
55°	606.5	616.2	576.3	514.5	455.9	410.1	377.8	356.7	342.8	327.9	315.0
57.5°	522.3	538.4	505.5	451.1	402.2	360.0	331.9	316.0	301.2	292.2	282.9
60°	467.3	482.6	456.9	411.2	365.0	328.9	302.2	287.9	275.1	268.9	262.3
62.5°	418.5	432.1	413.0	370.6	330.6	295.9	273.3	259.7	251.0	244.2	239.8
65°	348.7	360.2	343.8	313.0	278.6	250.8	232.5	221.7	213.4	210.6	205.7
67.5°	281.9	292.3	283.5	257.3	229.7	208.7	194.3	184.0	179.1	176.6	173.2
70°	242.2	252.6	243.2	220.3	199.1	181.5	167.9	162.0	156.9	155.8	151.0
72.5°	208.6	215.7	206.3	188.4	170.3	155.3	144.9	138.8	136.0	134.1	131.5
75°	156.5	162.7	156.5	142.6	129.7	119.3	110.3	107.9	104.8	103.7	102.0
77.5°	110.8	116.2	111.4	102.7	93.1	85.1	80.3	77.1	76.4	74.6	75.4
80°	84.6	88.1	83.6	77.8	70.1	64.6	61.1	59.3	57.2	56.5	58.0
82.5°	60.8	62.3	60.0	56.1	50.4	46.7	44.4	42.4	42.0	42.1	42.1
85°	31.6	31.2	30.9	27.4	25.7	23.3	21.8	21.5	21.1	21.8	22.6
87.5°	14.8	14.7	14.0	12.4	11.0	9.6	8.7	7.9	8.7	9.6	10.4
90°	21.3	19.3	17.2	14.8	11.9	9.1	6.3	3.5	6.3	9.1	11.9
92.5°	42.9	41.5	40.0	37.7	34.4	31.2	28.0	24.8	28.0	31.2	34.4
95°	84.3	82.5	80.7	78.6	76.3	74.0	71.7	69.4	71.7	74.0	76.3
97.5°	134.8	132.7	130.5	128.6	126.7	124.9	123.1	121.2	123.1	124.9	126.7
100°	172.3	170.0	167.6	166.0	165.0	164.0	162.9	161.9	162.9	164.0	165.0
102.5°	211.6	209.5	207.3	206.1	205.7	205.3	204.9	204.5	204.9	205.3	205.7
105°	273.2	272.2	271.1	270.5	270.2	270.0	269.7	269.5	269.7	270.0	270.2
107.5°	339.5	339.3	339.1	338.9	338.6	338.3	338.0	337.7	338.0	338.3	338.6
110°	385.6	385.8	386.1	386.0	385.5	385.0	384.4	384.0	384.4	385.0	385.5





TEST NUMBER: P332764-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	431.3	431.9	432.3	432.5	432.4	432.2	432.1	432.0	432.1	432.2	432.4
115°	502.9	503.5	504.0	504.2	504.2	504.2	504.2	504.2	504.2	504.2	504.2
117.5°	572.2	572.6	572.9	573.0	572.8	572.7	572.4	572.2	572.4	572.7	572.8
120°	620.3	621.0	621.8	621.6	620.6	619.6	618.6	617.5	618.6	619.6	620.6
122.5°	665.7	666.0	666.4	666.4	665.9	665.6	665.1	664.7	665.1	665.6	665.9
125°	733.7	734.0	734.2	734.3	734.3	734.3	734.3	734.3	734.3	734.3	734.3
127.5°	800.0	800.3	800.8	800.6	799.8	799.1	798.3	797.5	798.3	799.1	799.8
130°	845.3	845.3	845.3	845.0	844.2	843.5	842.7	841.9	842.7	843.5	844.2
132.5°	889.2	889.5	889.7	889.5	888.9	888.3	887.8	887.3	887.8	888.3	888.9
135°	954.0	954.0	954.0	953.3	951.7	950.2	948.7	947.1	948.7	950.2	951.7
137.5°	1016.6	1016.2	1015.8	1015.2	1014.5	1013.8	1013.1	1012.4	1013.1	1013.8	1014.5
140°	1058.1	1058.1	1058.1	1057.9	1057.4	1056.9	1056.3	1055.9	1056.3	1056.9	1057.4
142.5°	1097.4	1097.6	1097.8	1097.7	1097.2	1096.6	1096.1	1095.6	1096.1	1096.6	1097.2
145°	1155.9	1155.7	1155.4	1154.8	1153.8	1152.7	1151.7	1150.7	1151.7	1152.7	1153.8
147.5°	1210.3	1210.5	1210.7	1210.1	1209.0	1207.7	1206.5	1205.2	1206.5	1207.7	1209.0
150°	1243.1	1243.1	1243.1	1242.7	1241.6	1240.6	1239.6	1238.6	1239.6	1240.6	1241.6
152.5°	1273.3	1273.1	1272.9	1272.5	1271.8	1271.2	1270.6	1270.0	1270.6	1271.2	1271.8
155°	1317.7	1317.9	1318.2	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3	1318.3
157.5°	1356.8	1356.9	1356.9	1357.2	1357.6	1358.2	1358.6	1359.1	1358.6	1358.2	1357.6
160°	1381.3	1381.5	1381.8	1382.1	1382.3	1382.6	1382.9	1383.1	1382.9	1382.6	1382.3
162.5°	1401.7	1401.9	1402.2	1402.7	1403.3	1404.0	1404.6	1405.3	1404.6	1404.0	1403.3
165°	1430.4	1430.9	1431.5	1432.1	1432.8	1433.6	1434.4	1435.1	1434.4	1433.6	1432.8
167.5°	1453.3	1453.3	1453.2	1453.8	1454.8	1455.9	1457.0	1458.0	1457.0	1455.9	1454.8
170°	1465.9	1465.6	1465.3	1465.9	1467.1	1468.5	1469.7	1471.0	1469.7	1468.5	1467.1
172.5°	1475.5	1475.5	1475.4	1476.0	1477.0	1478.1	1479.2	1480.2	1479.2	1478.1	1477.0
175°	1486.6	1486.8	1487.0	1487.8	1489.2	1490.4	1491.7	1493.0	1491.7	1490.4	1489.2
177.5°	1492.5	1492.5	1492.5	1493.0	1494.1	1495.0	1496.1	1497.1	1496.1	1495.0	1494.1
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



TEST NUMBER: P332764-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	821.4	818.9	815.3	810.3	806.2	801.7	800.6	799.0	802.3	799.5	798.7
5°	794.5	787.2	777.8	767.1	760.9	751.8	750.1	746.6	743.2	742.8	739.3
7.5°	766.0	755.3	743.1	732.1	721.9	712.1	705.6	704.3	699.1	696.2	692.7
10°	747.7	734.5	720.2	709.9	698.0	687.7	680.4	676.2	672.7	668.9	665.5
12.5°	726.0	712.0	700.3	689.0	675.0	667.1	655.1	647.9	647.2	647.3	638.3
15°	700.8	687.0	668.9	653.0	645.3	630.1	623.5	615.1	609.9	604.8	600.6
17.5°	672.1	654.8	640.7	622.3	607.8	595.7	586.9	581.9	574.2	566.8	561.4
20°	654.0	635.6	620.7	601.3	585.3	570.4	563.1	556.2	550.3	544.0	538.1
22.5°	635.7	616.4	598.2	579.3	564.5	548.8	541.7	532.3	526.6	523.2	517.3
25°	606.8	586.0	565.2	547.2	531.9	518.0	508.6	501.3	495.1	492.3	488.5
27.5°	575.4	554.7	534.7	514.2	496.9	486.8	479.3	473.8	470.2	466.5	464.8
30°	555.4	534.0	512.5	493.4	477.4	467.3	460.4	456.6	453.8	452.1	450.3
32.5°	535.2	514.0	491.3	473.9	459.7	450.7	445.4	441.6	440.2	439.6	439.0
35°	502.7	481.3	460.4	444.8	431.2	427.8	423.3	421.2	420.5	422.9	424.0
37.5°	471.3	451.3	432.1	417.1	408.1	403.1	401.5	401.6	404.1	406.3	408.8
40°	451.0	431.6	413.6	400.4	392.1	389.0	388.3	389.9	392.7	395.2	398.0
42.5°	431.3	412.1	395.8	383.4	377.6	374.8	375.2	376.9	380.8	383.8	388.0
45°	400.7	384.8	368.8	358.7	353.9	354.5	354.5	357.7	361.5	366.0	370.5
47.5°	371.9	355.8	342.7	334.2	331.7	331.1	333.1	337.2	342.7	348.2	354.5
50°	352.5	337.2	325.7	318.2	315.4	316.4	319.2	323.0	329.6	336.5	343.1
52.5°	332.8	318.9	308.3	301.2	299.3	301.1	303.9	310.0	315.8	323.2	331.2
55°	302.2	290.4	282.0	276.9	276.2	277.2	280.4	287.0	295.2	304.6	312.3
57.5°	271.7	261.9	254.2	250.7	251.0	252.0	257.1	264.9	273.8	283.8	293.6
60°	251.2	242.2	235.9	233.2	233.5	235.6	241.8	249.1	260.2	269.9	280.4
62.5°	231.8	223.8	217.8	215.3	214.9	219.5	225.4	233.0	244.2	254.9	266.2
65°	200.5	194.3	189.4	188.1	189.0	192.5	200.2	210.3	219.6	231.0	242.9
67.5°	170.0	164.9	161.6	162.2	163.5	168.5	175.0	183.6	194.2	206.1	217.8
70°	150.6	145.7	142.9	143.3	145.3	151.6	157.2	165.9	177.3	189.4	199.1
72.5°	130.6	127.4	124.9	126.4	128.4	132.8	139.6	148.4	158.5	169.7	180.0
75°	100.2	100.2	98.9	100.0	103.1	107.2	112.4	121.5	131.5	140.5	148.8
77.5°	74.4	73.7	74.5	75.8	77.6	82.5	88.5	95.0	102.5	111.6	118.4
80°	56.9	57.2	58.9	61.1	61.8	65.5	71.8	77.8	83.6	91.2	97.8
82.5°	42.7	43.1	44.0	46.6	47.3	51.5	55.5	61.3	66.7	71.8	77.3
85°	23.3	23.3	25.0	26.0	27.7	30.5	33.0	36.5	41.3	44.8	49.9
87.5°	11.9	12.3	13.8	14.8	16.1	17.8	18.7	22.1	23.5	25.2	27.9
90°	14.8	17.2	19.3	21.3	23.4	25.4	27.0	28.5	30.1	31.6	32.6
92.5°	37.7	40.0	41.5	42.9	44.3	45.8	46.7	47.6	48.6	49.5	50.1
95°	78.6	80.7	82.5	84.3	86.1	87.9	88.6	89.4	90.2	91.0	91.4
97.5°	128.6	130.5	132.7	134.8	136.9	139.0	139.9	140.9	141.8	142.7	143.2
100°	166.0	167.6	170.0	172.3	174.6	176.9	177.5	178.0	178.5	179.0	179.2
102.5°	206.1	207.3	209.5	211.6	213.7	215.8	216.5	217.2	217.9	218.6	219.1
105°	270.5	271.1	272.2	273.2	274.2	275.3	276.0	276.8	277.6	278.3	279.1
107.5°	338.9	339.1	339.3	339.5	339.7	339.7	340.5	341.2	341.9	342.7	343.0
110°	386.0	386.1	385.8	385.6	385.4	385.1	384.6	384.1	383.5	383.1	383.2



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.5	432.3	431.9	431.3	430.9	430.4	430.3	430.3	430.2	430.0	430.1
115°	504.2	504.0	503.5	502.9	502.4	501.9	501.7	501.4	501.1	500.9	500.6
117.5°	573.0	572.9	572.6	572.2	571.9	571.5	570.6	569.8	568.9	568.0	567.3
120°	621.6	621.8	621.0	620.3	619.5	618.7	617.4	616.2	614.8	613.6	613.1
122.5°	666.4	666.4	666.0	665.7	665.3	664.9	664.1	663.2	662.4	661.5	660.6
125°	734.3	734.2	734.0	733.7	733.4	733.2	732.6	732.2	731.6	731.1	730.6
127.5°	800.6	800.8	800.3	800.0	799.5	799.1	798.6	798.1	797.5	797.0	796.6
130°	845.0	845.3	845.3	845.3	845.3	845.3	844.8	844.4	843.8	843.3	842.6
132.5°	889.5	889.7	889.5	889.2	889.0	888.9	888.3	887.8	887.3	886.8	886.4
135°	953.3	954.0	954.0	954.0	954.0	954.0	953.6	953.1	952.5	952.0	951.4
137.5°	1015.2	1015.8	1016.2	1016.6	1017.0	1017.4	1016.7	1016.1	1015.5	1014.8	1014.5
140°	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.7	1057.4	1057.1	1056.9
142.5°	1097.7	1097.8	1097.6	1097.4	1097.3	1097.0	1097.0	1096.9	1096.9	1096.8	1096.7
145°	1154.8	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2	1155.9	1155.7	1155.4	1154.9
147.5°	1210.1	1210.7	1210.5	1210.3	1210.1	1209.9	1209.7	1209.4	1209.2	1209.1	1208.8
150°	1242.7	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.0
152.5°	1272.5	1272.9	1273.1	1273.3	1273.5	1273.7	1274.3	1275.0	1275.6	1276.2	1276.1
155°	1318.3	1318.2	1317.9	1317.7	1317.4	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3
157.5°	1357.2	1356.9	1356.9	1356.8	1356.8	1356.7	1357.5	1358.3	1359.1	1359.9	1359.8
160°	1382.1	1381.8	1381.5	1381.3	1381.1	1380.8	1381.5	1382.3	1383.1	1383.8	1383.6
162.5°	1402.7	1402.2	1401.9	1401.7	1401.4	1401.1	1402.6	1403.9	1405.3	1406.7	1406.8
165°	1432.1	1431.5	1430.9	1430.4	1429.9	1429.3	1430.9	1432.4	1434.0	1435.6	1435.8
167.5°	1453.8	1453.2	1453.3	1453.3	1453.4	1453.4	1455.0	1456.5	1458.0	1459.6	1459.6
170°	1465.9	1465.3	1465.6	1465.9	1466.2	1466.3	1467.9	1469.5	1471.0	1472.6	1472.4
172.5°	1476.0	1475.4	1475.5	1475.5	1475.6	1475.6	1477.4	1479.1	1480.9	1482.6	1482.6
175°	1487.8	1487.0	1486.8	1486.6	1486.3	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3
177.5°	1493.0	1492.5	1492.5	1492.5	1492.5	1492.5	1494.0	1495.4	1496.8	1498.3	1498.2
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



TEST NUMBER: P332764-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	798.1	797.5	795.6	795.3	795.6	797.5	798.1	798.7	799.5	802.3	799.0
5°	737.3	735.6	734.5	738.3	734.5	735.6	737.3	739.3	742.8	743.2	746.6
7.5°	691.4	690.0	687.0	686.0	687.0	690.0	691.4	692.7	696.2	699.1	704.3
10°	662.0	660.6	657.8	657.1	657.8	660.6	662.0	665.5	668.9	672.7	676.2
12.5°	633.6	630.9	630.4	631.1	630.4	630.9	633.6	638.3	647.3	647.2	647.9
15°	596.0	594.7	590.8	591.9	590.8	594.7	596.0	600.6	604.8	609.9	615.1
17.5°	559.0	557.3	552.7	556.8	552.7	557.3	559.0	561.4	566.8	574.2	581.9
20°	535.7	532.9	530.5	530.1	530.5	532.9	535.7	538.1	544.0	550.3	556.2
22.5°	513.4	511.0	510.8	508.5	510.8	511.0	513.4	517.3	523.2	526.6	532.3
25°	485.7	483.3	482.6	480.9	482.6	483.3	485.7	488.5	492.3	495.1	501.3
27.5°	464.4	463.2	462.0	462.5	462.0	463.2	464.4	464.8	466.5	470.2	473.8
30°	451.4	451.0	450.3	450.3	450.3	451.0	451.4	450.3	452.1	453.8	456.6
32.5°	440.6	440.5	440.9	440.9	440.9	440.5	440.6	439.0	439.6	440.2	441.6
35°	425.3	426.4	427.1	426.1	427.1	426.4	425.3	424.0	422.9	420.5	421.2
37.5°	411.6	412.7	413.7	414.8	413.7	412.7	411.6	408.8	406.3	404.1	401.6
40°	401.1	403.5	404.2	405.9	404.2	403.5	401.1	398.0	395.2	392.7	389.9
42.5°	391.1	393.8	395.6	395.9	395.6	393.8	391.1	388.0	383.8	380.8	376.9
45°	375.8	378.5	380.9	380.9	380.9	378.5	375.8	370.5	366.0	361.5	357.7
47.5°	359.9	363.9	366.3	366.9	366.3	363.9	359.9	354.5	348.2	342.7	337.2
50°	349.0	353.9	356.3	358.0	356.3	353.9	349.0	343.1	336.5	329.6	323.0
52.5°	338.5	343.3	346.6	347.5	346.6	343.3	338.5	331.2	323.2	315.8	310.0
55°	320.2	327.2	331.0	332.3	331.0	327.2	320.2	312.3	304.6	295.2	287.0
57.5°	303.0	309.4	313.9	314.9	313.9	309.4	303.0	293.6	283.8	273.8	264.9
60°	289.7	296.7	302.2	303.3	302.2	296.7	289.7	280.4	269.9	260.2	249.1
62.5°	276.1	283.3	288.3	291.1	288.3	283.3	276.1	266.2	254.9	244.2	233.0
65°	252.6	259.8	264.7	265.7	264.7	259.8	252.6	242.9	231.0	219.6	210.3
67.5°	226.9	234.2	237.4	239.4	237.4	234.2	226.9	217.8	206.1	194.2	183.6
70°	208.8	214.7	218.2	220.0	218.2	214.7	208.8	199.1	189.4	177.3	165.9
72.5°	188.3	194.5	198.5	198.9	198.5	194.5	188.3	180.0	169.7	158.5	148.4
75°	156.9	162.4	164.4	164.4	164.4	162.4	156.9	148.8	140.5	131.5	121.5
77.5°	124.1	127.0	129.7	130.2	129.7	127.0	124.1	118.4	111.6	102.5	95.0
80°	103.1	104.8	106.8	106.8	106.8	104.8	103.1	97.8	91.2	83.6	77.8
82.5°	81.4	82.8	84.9	84.6	84.9	82.8	81.4	77.3	71.8	66.7	61.3
85°	49.2	52.4	52.1	51.4	52.1	52.4	49.2	49.9	44.8	41.3	36.5
87.5°	28.8	29.2	30.1	30.9	30.1	29.2	28.8	27.9	25.2	23.5	22.1
90°	33.2	33.7	34.2	34.7	34.2	33.7	33.2	32.6	31.6	30.1	28.5
92.5°	50.4	50.7	51.0	51.4	51.0	50.7	50.4	50.1	49.5	48.6	47.6
95°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.0	90.2	89.4
97.5°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	142.7	141.8	140.9
100°	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.0	178.5	178.0
102.5°	219.4	219.5	219.7	220.0	219.7	219.5	219.4	219.1	218.6	217.9	217.2
105°	279.8	280.6	281.4	282.1	281.4	280.6	279.8	279.1	278.3	277.6	276.8
107.5°	343.0	342.9	342.9	342.8	342.9	342.9	343.0	343.0	342.7	341.9	341.2
110°	384.0	384.7	385.5	386.3	385.5	384.7	384.0	383.2	383.1	383.5	384.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	430.2	430.3	430.5	430.7	430.5	430.3	430.2	430.1	430.0	430.2	430.3
115°	500.3	500.1	499.8	499.6	499.8	500.1	500.3	500.6	500.9	501.1	501.4
117.5°	566.8	566.3	565.8	565.3	565.8	566.3	566.8	567.3	568.0	568.9	569.8
120°	613.7	614.2	614.7	615.2	614.7	614.2	613.7	613.1	613.6	614.8	616.2
122.5°	659.6	658.7	657.8	656.8	657.8	658.7	659.6	660.6	661.5	662.4	663.2
125°	730.1	729.6	729.1	728.5	729.1	729.6	730.1	730.6	731.1	731.6	732.2
127.5°	796.2	795.8	795.3	795.0	795.3	795.8	796.2	796.6	797.0	797.5	798.1
130°	841.5	840.4	839.5	838.4	839.5	840.4	841.5	842.6	843.3	843.8	844.4
132.5°	885.9	885.5	885.1	884.7	885.1	885.5	885.9	886.4	886.8	887.3	887.8
135°	950.6	949.9	949.0	948.2	949.0	949.9	950.6	951.4	952.0	952.5	953.1
137.5°	1014.7	1014.9	1014.9	1015.1	1014.9	1014.9	1014.7	1014.5	1014.8	1015.5	1016.1
140°	1056.6	1056.3	1056.1	1055.9	1056.1	1056.3	1056.6	1056.9	1057.1	1057.4	1057.7
142.5°	1096.7	1096.6	1096.6	1096.5	1096.6	1096.6	1096.7	1096.7	1096.8	1096.9	1096.9
145°	1154.1	1153.3	1152.6	1151.8	1152.6	1153.3	1154.1	1154.9	1155.4	1155.7	1155.9
147.5°	1208.5	1208.3	1208.1	1207.8	1208.1	1208.3	1208.5	1208.8	1209.1	1209.2	1209.4
150°	1242.8	1242.5	1242.2	1242.1	1242.2	1242.5	1242.8	1243.0	1243.1	1243.1	1243.1
152.5°	1275.5	1274.8	1274.2	1273.5	1274.2	1274.8	1275.5	1276.1	1276.2	1275.6	1275.0
155°	1320.3	1319.3	1318.2	1317.2	1318.2	1319.3	1320.3	1321.3	1321.3	1320.3	1319.3
157.5°	1358.9	1358.0	1357.2	1356.3	1357.2	1358.0	1358.9	1359.8	1359.9	1359.1	1358.3
160°	1382.3	1381.1	1379.7	1378.5	1379.7	1381.1	1382.3	1383.6	1383.8	1383.1	1382.3
162.5°	1405.4	1404.2	1402.9	1401.6	1402.9	1404.2	1405.4	1406.8	1406.7	1405.3	1403.9
165°	1434.8	1433.7	1432.7	1431.6	1432.7	1433.7	1434.8	1435.8	1435.6	1434.0	1432.4
167.5°	1457.9	1456.3	1454.8	1453.2	1454.8	1456.3	1457.9	1459.6	1459.6	1458.0	1456.5
170°	1470.6	1468.8	1467.0	1465.3	1467.0	1468.8	1470.6	1472.4	1472.6	1471.0	1469.5
172.5°	1480.8	1479.0	1477.2	1475.4	1477.2	1479.0	1480.8	1482.6	1482.6	1480.9	1479.1
175°	1491.4	1489.6	1487.8	1486.0	1487.8	1489.6	1491.4	1493.3	1493.3	1491.4	1489.6
177.5°	1496.6	1494.9	1493.3	1491.6	1493.3	1494.9	1496.6	1498.2	1498.3	1496.8	1495.4
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	800.6	801.7	806.2	810.3	815.3	818.9	821.4	824.2	830.0	834.7	839.2
5°	750.1	751.8	760.9	767.1	777.8	787.2	794.5	802.5	811.9	824.7	836.5
7.5°	705.6	712.1	721.9	732.1	743.1	755.3	766.0	778.0	794.2	811.8	830.0
10°	680.4	687.7	698.0	709.9	720.2	734.5	747.7	761.9	780.2	801.8	823.3
12.5°	655.1	667.1	675.0	689.0	700.3	712.0	726.0	744.7	766.2	788.7	814.7
15°	623.5	630.1	645.3	653.0	668.9	687.0	700.8	719.6	740.4	770.3	799.3
17.5°	586.9	595.7	607.8	622.3	640.7	654.8	672.1	691.3	717.6	747.2	783.7
20°	563.1	570.4	585.3	601.3	620.7	635.6	654.0	672.7	699.8	731.4	769.5
22.5°	541.7	548.8	564.5	579.3	598.2	616.4	635.7	657.5	683.4	716.7	755.6
25°	508.6	518.0	531.9	547.2	565.2	586.0	606.8	626.2	654.0	689.0	730.7
27.5°	479.3	486.8	496.9	514.2	534.7	554.7	575.4	599.9	626.5	663.6	706.8
30°	460.4	467.3	477.4	493.4	512.5	534.0	555.4	579.1	606.8	643.5	687.7
32.5°	445.4	450.7	459.7	473.9	491.3	514.0	535.2	559.6	588.8	625.0	668.0
35°	423.3	427.8	431.2	444.8	460.4	481.3	502.7	528.8	556.9	591.2	634.2
37.5°	401.5	403.1	408.1	417.1	432.1	451.3	471.3	496.9	525.7	560.6	599.4
40°	388.3	389.0	392.1	400.4	413.6	431.6	451.0	476.4	503.7	536.7	575.2
42.5°	375.2	374.8	377.6	383.4	395.8	412.1	431.3	454.4	481.9	512.3	548.6
45°	354.5	354.5	353.9	358.7	368.8	384.8	400.7	422.9	445.9	475.6	506.2
47.5°	333.1	331.1	331.7	334.2	342.7	355.8	371.9	390.1	410.3	435.6	462.4
50°	319.2	316.4	315.4	318.2	325.7	337.2	352.5	368.5	387.5	409.7	432.7
52.5°	303.9	301.1	299.3	301.2	308.3	318.9	332.8	346.8	363.9	382.0	401.8
55°	280.4	277.2	276.2	276.9	282.0	290.4	302.2	315.0	327.9	342.8	356.7
57.5°	257.1	252.0	251.0	250.7	254.2	261.9	271.7	282.9	292.2	301.2	316.0
60°	241.8	235.6	233.5	233.2	235.9	242.2	251.2	262.3	268.9	275.1	287.9
62.5°	225.4	219.5	214.9	215.3	217.8	223.8	231.8	239.8	244.2	251.0	259.7
65°	200.2	192.5	189.0	188.1	189.4	194.3	200.5	205.7	210.6	213.4	221.7
67.5°	175.0	168.5	163.5	162.2	161.6	164.9	170.0	173.2	176.6	179.1	184.0
70°	157.2	151.6	145.3	143.3	142.9	145.7	150.6	151.0	155.8	156.9	162.0
72.5°	139.6	132.8	128.4	126.4	124.9	127.4	130.6	131.5	134.1	136.0	138.8
75°	112.4	107.2	103.1	100.0	98.9	100.2	100.2	102.0	103.7	104.8	107.9
77.5°	88.5	82.5	77.6	75.8	74.5	73.7	74.4	75.4	74.6	76.4	77.1
80°	71.8	65.5	61.8	61.1	58.9	57.2	56.9	58.0	56.5	57.2	59.3
82.5°	55.5	51.5	47.3	46.6	44.0	43.1	42.7	42.1	42.1	42.0	42.4
85°	33.0	30.5	27.7	26.0	25.0	23.3	23.3	22.6	21.8	21.1	21.5
87.5°	18.7	17.8	16.1	14.8	13.8	12.3	11.9	10.4	9.6	8.7	7.9
90°	27.0	25.4	23.4	21.3	19.3	17.2	14.8	11.9	9.1	6.3	3.5
92.5°	46.7	45.8	44.3	42.9	41.5	40.0	37.7	34.4	31.2	28.0	24.8
95°	88.6	87.9	86.1	84.3	82.5	80.7	78.6	76.3	74.0	71.7	69.4
97.5°	139.9	139.0	136.9	134.8	132.7	130.5	128.6	126.7	124.9	123.1	121.2
100°	177.5	176.9	174.6	172.3	170.0	167.6	166.0	165.0	164.0	162.9	161.9
102.5°	216.5	215.8	213.7	211.6	209.5	207.3	206.1	205.7	205.3	204.9	204.5
105°	276.0	275.3	274.2	273.2	272.2	271.1	270.5	270.2	270.0	269.7	269.5
107.5°	340.5	339.7	339.7	339.5	339.3	339.1	338.9	338.6	338.3	338.0	337.7
110°	384.6	385.1	385.4	385.6	385.8	386.1	386.0	385.5	385.0	384.4	384.0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	430.3	430.4	430.9	431.3	431.9	432.3	432.5	432.4	432.2	432.1	432.0
115°	501.7	501.9	502.4	502.9	503.5	504.0	504.2	504.2	504.2	504.2	504.2
117.5°	570.6	571.5	571.9	572.2	572.6	572.9	573.0	572.8	572.7	572.4	572.2
120°	617.4	618.7	619.5	620.3	621.0	621.8	621.6	620.6	619.6	618.6	617.5
122.5°	664.1	664.9	665.3	665.7	666.0	666.4	666.4	665.9	665.6	665.1	664.7
125°	732.6	733.2	733.4	733.7	734.0	734.2	734.3	734.3	734.3	734.3	734.3
127.5°	798.6	799.1	799.5	800.0	800.3	800.8	800.6	799.8	799.1	798.3	797.5
130°	844.8	845.3	845.3	845.3	845.3	845.3	845.0	844.2	843.5	842.7	841.9
132.5°	888.3	888.9	889.0	889.2	889.5	889.7	889.5	888.9	888.3	887.8	887.3
135°	953.6	954.0	954.0	954.0	954.0	954.0	953.3	951.7	950.2	948.7	947.1
137.5°	1016.7	1017.4	1017.0	1016.6	1016.2	1015.8	1015.2	1014.5	1013.8	1013.1	1012.4
140°	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.4	1056.9	1056.3	1055.9
142.5°	1097.0	1097.0	1097.3	1097.4	1097.6	1097.8	1097.7	1097.2	1096.6	1096.1	1095.6
145°	1156.2	1156.5	1156.2	1155.9	1155.7	1155.4	1154.8	1153.8	1152.7	1151.7	1150.7
147.5°	1209.7	1209.9	1210.1	1210.3	1210.5	1210.7	1210.1	1209.0	1207.7	1206.5	1205.2
150°	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1242.7	1241.6	1240.6	1239.6	1238.6
152.5°	1274.3	1273.7	1273.5	1273.3	1273.1	1272.9	1272.5	1271.8	1271.2	1270.6	1270.0
155°	1318.2	1317.2	1317.4	1317.7	1317.9	1318.2	1318.3	1318.3	1318.3	1318.3	1318.3
157.5°	1357.5	1356.7	1356.8	1356.8	1356.9	1356.9	1357.2	1357.6	1358.2	1358.6	1359.1
160°	1381.5	1380.8	1381.1	1381.3	1381.5	1381.8	1382.1	1382.3	1382.6	1382.9	1383.1
162.5°	1402.6	1401.1	1401.4	1401.7	1401.9	1402.2	1402.7	1403.3	1404.0	1404.6	1405.3
165°	1430.9	1429.3	1429.9	1430.4	1430.9	1431.5	1432.1	1432.8	1433.6	1434.4	1435.1
167.5°	1455.0	1453.4	1453.4	1453.3	1453.3	1453.2	1453.8	1454.8	1455.9	1457.0	1458.0
170°	1467.9	1466.3	1466.2	1465.9	1465.6	1465.3	1465.9	1467.1	1468.5	1469.7	1471.0
172.5°	1477.4	1475.6	1475.6	1475.5	1475.5	1475.4	1476.0	1477.0	1478.1	1479.2	1480.2
175°	1487.8	1486.0	1486.3	1486.6	1486.8	1487.0	1487.8	1489.2	1490.4	1491.7	1493.0
177.5°	1494.0	1492.5	1492.5	1492.5	1492.5	1492.5	1493.0	1494.1	1495.0	1496.1	1497.1
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	843.1	845.9	849.4	855.6	857.8	860.6	864.4	864.2	865.3	869.4	878.3
5°	846.2	856.9	867.4	879.9	893.0	901.7	913.6	920.8	928.1	937.5	953.4
7.5°	847.5	864.5	883.6	905.5	925.1	947.5	965.1	981.6	996.5	1016.3	1035.3
10°	845.5	868.4	893.0	920.8	950.3	975.3	997.8	1023.5	1045.4	1069.3	1090.8
12.5°	841.9	869.5	902.5	933.5	968.0	1005.0	1033.0	1059.0	1088.1	1115.6	1148.8
15°	833.7	871.6	910.1	951.0	997.1	1039.8	1080.4	1114.0	1145.3	1186.6	1229.9
17.5°	823.3	864.1	912.7	962.2	1010.5	1059.3	1109.5	1160.0	1199.4	1250.7	1284.7
20°	813.6	860.8	910.7	969.7	1018.0	1078.7	1128.6	1177.5	1231.6	1282.6	1323.3
22.5°	800.0	851.6	904.6	963.3	1026.8	1087.5	1145.3	1198.4	1252.5	1308.0	1357.1
25°	782.7	829.6	892.3	958.9	1022.1	1088.1	1154.3	1220.9	1279.2	1337.8	1383.7
27.5°	753.3	812.4	870.9	939.7	1009.9	1084.4	1155.3	1225.0	1286.0	1334.3	1362.7
30°	738.3	789.6	853.2	922.2	998.2	1078.3	1152.2	1220.6	1277.5	1316.0	1327.4
32.5°	716.1	769.1	831.3	902.8	983.2	1065.5	1142.5	1206.9	1254.5	1274.6	1260.8
35°	683.1	731.0	793.8	867.0	950.7	1038.4	1114.4	1168.9	1193.2	1174.1	1126.5
37.5°	643.5	691.1	754.1	826.0	912.6	1001.7	1070.5	1109.6	1101.6	1054.2	983.3
40°	615.8	660.2	720.2	798.0	882.3	971.8	1032.2	1053.4	1031.2	963.1	887.9
42.5°	585.1	628.3	688.6	763.6	852.8	935.4	988.0	989.8	952.6	871.3	795.7
45°	538.1	579.4	636.3	714.3	796.9	874.7	909.4	892.3	823.7	745.2	669.2
47.5°	491.9	527.6	583.7	657.8	736.2	801.6	818.9	788.3	715.1	638.9	568.5
50°	458.0	494.1	546.8	617.6	693.2	749.8	758.0	717.5	645.7	569.0	513.8
52.5°	425.5	461.3	512.1	577.6	646.8	697.9	698.1	651.1	579.6	511.3	459.9
55°	377.8	410.1	455.9	514.5	576.3	616.2	606.5	557.9	495.8	436.5	391.7
57.5°	331.9	360.0	402.2	451.1	505.5	538.4	522.3	475.5	420.1	369.8	335.8
60°	302.2	328.9	365.0	411.2	456.9	482.6	467.3	425.0	374.0	333.4	303.9
62.5°	273.3	295.9	330.6	370.6	413.0	432.1	418.5	376.7	332.7	296.0	272.0
65°	232.5	250.8	278.6	313.0	343.8	360.2	348.7	309.8	276.2	249.8	230.7
67.5°	194.3	208.7	229.7	257.3	283.5	292.3	281.9	254.8	226.3	205.2	191.7
70°	167.9	181.5	199.1	220.3	243.2	252.6	242.2	220.7	197.4	178.0	164.8
72.5°	144.9	155.3	170.3	188.4	206.3	215.7	208.6	187.9	168.3	153.8	142.6
75°	110.3	119.3	129.7	142.6	156.5	162.7	156.5	142.2	128.7	118.0	109.9
77.5°	80.3	85.1	93.1	102.7	111.4	116.2	110.8	101.1	92.8	85.5	81.5
80°	61.1	64.6	70.1	77.8	83.6	88.1	84.6	76.7	70.1	65.2	63.5
82.5°	44.4	46.7	50.4	56.1	60.0	62.3	60.8	55.0	52.3	48.0	46.3
85°	21.8	23.3	25.7	27.4	30.9	31.2	31.6	29.2	26.8	25.7	24.3
87.5°	8.7	9.6	11.0	12.4	14.0	14.7	14.8	15.2	14.5	14.5	13.7
90°	6.3	9.1	11.9	14.8	17.2	19.3	21.3	23.4	25.4	27.0	28.5
92.5°	28.0	31.2	34.4	37.7	40.0	41.5	42.9	44.3	45.8	46.7	47.6
95°	71.7	74.0	76.3	78.6	80.7	82.5	84.3	86.1	87.9	88.6	89.4
97.5°	123.1	124.9	126.7	128.6	130.5	132.7	134.8	136.9	139.0	139.9	140.9
100°	162.9	164.0	165.0	166.0	167.6	170.0	172.3	174.6	176.9	177.5	178.0
102.5°	204.9	205.3	205.7	206.1	207.3	209.5	211.6	213.7	215.8	216.5	217.2
105°	269.7	270.0	270.2	270.5	271.1	272.2	273.2	274.2	275.3	276.0	276.8
107.5°	338.0	338.3	338.6	338.9	339.1	339.3	339.5	339.7	339.7	340.5	341.2
110°	384.4	385.0	385.5	386.0	386.1	385.8	385.6	385.4	385.1	384.6	384.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	432.1	432.2	432.4	432.5	432.3	431.9	431.3	430.9	430.4	430.3	430.3
115°	504.2	504.2	504.2	504.2	504.0	503.5	502.9	502.4	501.9	501.7	501.4
117.5°	572.4	572.7	572.8	573.0	572.9	572.6	572.2	571.9	571.5	570.6	569.8
120°	618.6	619.6	620.6	621.6	621.8	621.0	620.3	619.5	618.7	617.4	616.2
122.5°	665.1	665.6	665.9	666.4	666.4	666.0	665.7	665.3	664.9	664.1	663.2
125°	734.3	734.3	734.3	734.3	734.2	734.0	733.7	733.4	733.2	732.6	732.2
127.5°	798.3	799.1	799.8	800.6	800.8	800.3	800.0	799.5	799.1	798.6	798.1
130°	842.7	843.5	844.2	845.0	845.3	845.3	845.3	845.3	845.3	844.8	844.4
132.5°	887.8	888.3	888.9	889.5	889.7	889.5	889.2	889.0	888.9	888.3	887.8
135°	948.7	950.2	951.7	953.3	954.0	954.0	954.0	954.0	954.0	953.6	953.1
137.5°	1013.1	1013.8	1014.5	1015.2	1015.8	1016.2	1016.6	1017.0	1017.4	1016.7	1016.1
140°	1056.3	1056.9	1057.4	1057.9	1058.1	1058.1	1058.1	1058.1	1058.1	1057.9	1057.7
142.5°	1096.1	1096.6	1097.2	1097.7	1097.8	1097.6	1097.4	1097.3	1097.0	1097.0	1096.9
145°	1151.7	1152.7	1153.8	1154.8	1155.4	1155.7	1155.9	1156.2	1156.5	1156.2	1155.9
147.5°	1206.5	1207.7	1209.0	1210.1	1210.7	1210.5	1210.3	1210.1	1209.9	1209.7	1209.4
150°	1239.6	1240.6	1241.6	1242.7	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1	1243.1
152.5°	1270.6	1271.2	1271.8	1272.5	1272.9	1273.1	1273.3	1273.5	1273.7	1274.3	1275.0
155°	1318.3	1318.3	1318.3	1318.3	1318.2	1317.9	1317.7	1317.4	1317.2	1318.2	1319.3
157.5°	1358.6	1358.2	1357.6	1357.2	1356.9	1356.9	1356.8	1356.8	1356.7	1357.5	1358.3
160°	1382.9	1382.6	1382.3	1382.1	1381.8	1381.5	1381.3	1381.1	1380.8	1381.5	1382.3
162.5°	1404.6	1404.0	1403.3	1402.7	1402.2	1401.9	1401.7	1401.4	1401.1	1402.6	1403.9
165°	1434.4	1433.6	1432.8	1432.1	1431.5	1430.9	1430.4	1429.9	1429.3	1430.9	1432.4
167.5°	1457.0	1455.9	1454.8	1453.8	1453.2	1453.3	1453.3	1453.4	1453.4	1455.0	1456.5
170°	1469.7	1468.5	1467.1	1465.9	1465.3	1465.6	1465.9	1466.2	1466.3	1467.9	1469.5
172.5°	1479.2	1478.1	1477.0	1476.0	1475.4	1475.5	1475.5	1475.6	1475.6	1477.4	1479.1
175°	1491.7	1490.4	1489.2	1487.8	1487.0	1486.8	1486.6	1486.3	1486.0	1487.8	1489.6
177.5°	1496.1	1495.0	1494.1	1493.0	1492.5	1492.5	1492.5	1492.5	1492.5	1494.0	1495.4
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	837.5	837.5	837.5	837.5	837.5	837.5	837.5
2.5°	882.8	883.3	885.8	887.8	888.3	891.1	891.4
5°	960.4	966.3	977.7	978.7	980.4	989.5	982.6
7.5°	1051.2	1066.2	1076.2	1085.0	1088.2	1092.2	1091.4
10°	1109.6	1131.8	1142.8	1160.6	1161.3	1165.7	1163.0
12.5°	1168.1	1193.9	1214.2	1217.5	1232.3	1234.6	1238.5
15°	1251.1	1278.5	1306.6	1316.7	1337.1	1342.0	1349.6
17.5°	1329.1	1357.1	1376.8	1402.8	1411.2	1422.5	1414.9
20°	1371.8	1402.4	1427.4	1447.8	1456.5	1462.8	1462.0
22.5°	1397.7	1428.4	1448.7	1464.2	1472.3	1475.0	1474.8
25°	1413.8	1431.6	1437.8	1443.7	1434.7	1431.6	1432.9
27.5°	1368.9	1364.2	1348.0	1326.6	1304.4	1286.7	1277.2
30°	1307.0	1279.9	1255.3	1212.3	1190.0	1176.9	1165.0
32.5°	1219.2	1176.3	1129.0	1089.6	1064.3	1044.7	1041.8
35°	1069.0	1004.4	946.5	898.2	873.3	852.1	847.2
37.5°	908.8	841.8	789.6	747.1	720.2	705.3	691.4
40°	802.5	744.9	693.6	657.5	637.0	626.2	617.6
42.5°	720.6	668.0	617.0	589.4	571.0	564.4	559.3
45°	607.5	558.6	523.2	502.4	491.6	480.5	475.3
47.5°	516.9	477.2	453.8	436.1	424.6	418.0	414.6
50°	465.6	433.0	412.1	398.7	388.3	383.0	380.2
52.5°	420.1	393.3	375.9	365.1	358.0	354.2	353.0
55°	361.9	341.4	330.3	320.9	315.8	312.3	310.9
57.5°	314.5	298.8	289.8	282.0	280.1	277.1	276.2
60°	283.5	271.3	263.7	258.5	256.7	253.2	254.0
62.5°	256.0	246.0	239.5	236.6	234.3	231.3	232.3
65°	216.5	209.2	205.7	203.0	200.2	198.5	199.8
67.5°	181.6	176.6	171.9	170.3	169.0	168.7	167.2
70°	158.9	154.7	150.6	149.5	149.5	148.1	147.8
72.5°	137.0	133.9	131.2	130.4	129.3	129.8	128.4
75°	105.8	103.3	102.4	101.3	100.9	100.9	100.0
77.5°	78.2	76.4	74.7	74.7	73.5	73.0	72.9
80°	59.3	58.7	57.2	57.2	56.5	56.9	56.2
82.5°	44.6	43.6	43.3	42.8	41.8	41.9	41.2
85°	23.9	22.9	22.6	21.5	20.8	21.5	20.8
87.5°	14.4	14.4	14.3	13.8	13.6	13.7	13.0
90°	30.1	31.6	32.6	33.2	33.7	34.2	34.7
92.5°	48.6	49.5	50.1	50.4	50.7	51.0	51.4
95°	90.2	91.0	91.4	91.4	91.4	91.4	91.4
97.5°	141.8	142.7	143.2	143.2	143.2	143.2	143.2
100°	178.5	179.0	179.2	179.2	179.2	179.2	179.2
102.5°	217.9	218.6	219.1	219.4	219.5	219.7	220.0
105°	277.6	278.3	279.1	279.8	280.6	281.4	282.1
107.5°	341.9	342.7	343.0	343.0	342.9	342.9	342.8
110°	383.5	383.1	383.2	384.0	384.7	385.5	386.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	430.2	430.0	430.1	430.2	430.3	430.5	430.7
115°	501.1	500.9	500.6	500.3	500.1	499.8	499.6
117.5°	568.9	568.0	567.3	566.8	566.3	565.8	565.3
120°	614.8	613.6	613.1	613.7	614.2	614.7	615.2
122.5°	662.4	661.5	660.6	659.6	658.7	657.8	656.8
125°	731.6	731.1	730.6	730.1	729.6	729.1	728.5
127.5°	797.5	797.0	796.6	796.2	795.8	795.3	795.0
130°	843.8	843.3	842.6	841.5	840.4	839.5	838.4
132.5°	887.3	886.8	886.4	885.9	885.5	885.1	884.7
135°	952.5	952.0	951.4	950.6	949.9	949.0	948.2
137.5°	1015.5	1014.8	1014.5	1014.7	1014.9	1014.9	1015.1
140°	1057.4	1057.1	1056.9	1056.6	1056.3	1056.1	1055.9
142.5°	1096.9	1096.8	1096.7	1096.7	1096.6	1096.6	1096.5
145°	1155.7	1155.4	1154.9	1154.1	1153.3	1152.6	1151.8
147.5°	1209.2	1209.1	1208.8	1208.5	1208.3	1208.1	1207.8
150°	1243.1	1243.1	1243.0	1242.8	1242.5	1242.2	1242.1
152.5°	1275.6	1276.2	1276.1	1275.5	1274.8	1274.2	1273.5
155°	1320.3	1321.3	1321.3	1320.3	1319.3	1318.2	1317.2
157.5°	1359.1	1359.9	1359.8	1358.9	1358.0	1357.2	1356.3
160°	1383.1	1383.8	1383.6	1382.3	1381.1	1379.7	1378.5
162.5°	1405.3	1406.7	1406.8	1405.4	1404.2	1402.9	1401.6
165°	1434.0	1435.6	1435.8	1434.8	1433.7	1432.7	1431.6
167.5°	1458.0	1459.6	1459.6	1457.9	1456.3	1454.8	1453.2
170°	1471.0	1472.6	1472.4	1470.6	1468.8	1467.0	1465.3
172.5°	1480.9	1482.6	1482.6	1480.8	1479.0	1477.2	1475.4
175°	1491.4	1493.3	1493.3	1491.4	1489.6	1487.8	1486.0
177.5°	1496.8	1498.3	1498.2	1496.6	1494.9	1493.3	1491.6
180°	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3	1495.3

(END OF REPORT)