

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: P332727

Luminaire Tested: **S124DIW-S350D1050U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332727
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1050U835-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5770.5 lumens
Efficiency: N/A
Efficacy: 151.9 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

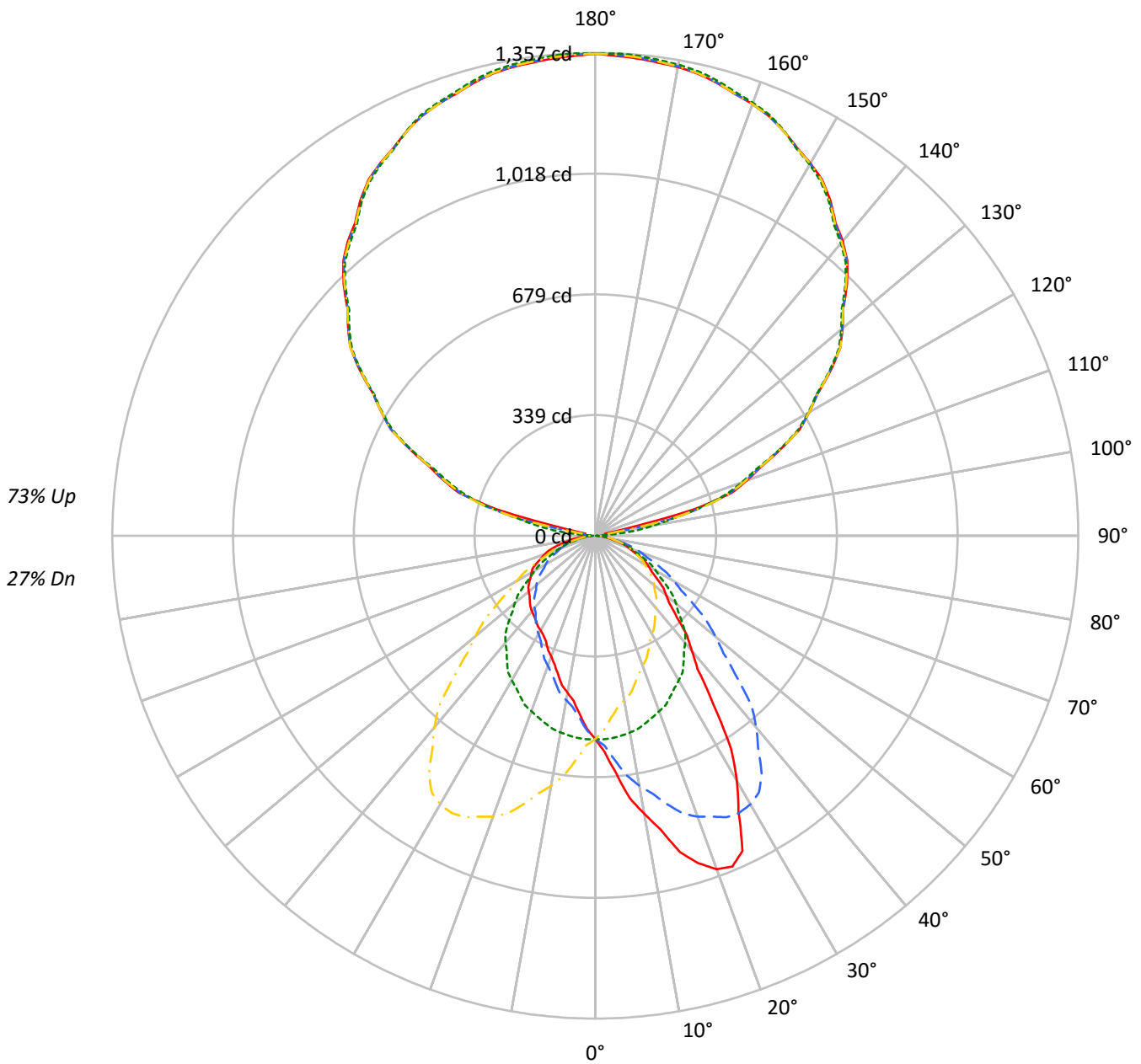
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27				
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23				
2	85	78	72	67	75	70	65	60	54	51	48	41	38	37	28	27	25	20				
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	25	23	22	17				
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	15				
5	65	54	46	40	58	48	42	37	38	33	30	29	26	23	20	18	16	13				
6	60	48	40	35	53	43	37	32	34	29	26	26	23	20	18	16	14	11				
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	14	13	10				
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	12	9				
9	47	36	28	24	42	32	26	22	26	21	18	20	16	14	14	12	10	8				
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4612	4612	4612	4612
5°	5431	4624	4081	4624
10°	6503	4604	3674	4604
15°	7694	4557	3375	4557
20°	8568	4509	3107	4509
25°	8706	4440	2922	4440
30°	7408	4373	2864	4373
35°	5695	4263	2864	4263
40°	4440	4135	2918	4135
45°	3701	3942	2967	3942
50°	3258	3706	3067	3706
55°	2985	3424	3191	3424
60°	2796	3171	3339	3171
65°	2604	2888	3463	2888
70°	2379	2608	3541	2608
75°	2127	2296	3500	2296
80°	1781	1883	3389	1883
85°	1315	1362	3242	1362



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.0
10°-20°	171.6	3.0
20°-30°	272.0	4.7
30°-40°	302.8	5.2
40°-50°	275.6	4.8
50°-60°	225.2	3.9
60°-70°	160.8	2.8
70°-80°	88.5	1.5
80°-90°	28.1	0.5
90°-100°	46.3	0.8
100°-110°	295.4	5.1
110°-120°	565.1	9.8
120°-130°	717.4	12.4
130°-140°	767.5	13.3
140°-150°	717.7	12.4
150°-160°	578.8	10.0
160°-170°	373.3	6.5
170°-180°	128.7	2.2
0°-30°	499.3	8.7
0°-40°	802.0	13.9
0°-60°	1302.8	22.6
0°-90°	1580.2	27.4
90°-120°	906.8	15.7
90°-150°	3109.5	53.9
90°-180°	4190.0	72.6
0°-180°	5770.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	571	571	571	571	571	
5°	670	571	504	571	670	68
15°	921	545	404	545	921	260
25°	977	498	328	498	977	431
35°	578	433	291	433	578	367
45°	324	345	260	345	324	255
55°	212	243	227	243	212	192
65°	136	151	181	151	136	135
75°	68	74	112	74	68	72
85°	14	15	35	15	14	18
90°	30	3	30	3	30	14
95°	29	56	29	56	29	23
105°	289	305	289	305	289	252
115°	574	569	574	569	574	568
125°	806	800	806	800	806	718
135°	1000	993	1000	993	1000	770
145°	1151	1145	1151	1145	1151	719
155°	1254	1255	1254	1255	1254	578
165°	1318	1324	1318	1324	1318	372
175°	1346	1355	1346	1355	1346	128
180°	1355	1355	1355	1355	1355	



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	608.0	607.9	606.0	605.6	604.3	602.6	602.2	599.1	593.1	590.2	589.5
5°	670.2	675.0	668.8	667.6	666.9	659.1	655.1	650.4	639.5	633.1	628.1
7.5°	744.5	745.0	742.3	740.2	734.1	727.3	717.1	706.2	693.2	679.8	669.6
10°	793.3	795.2	792.1	791.7	779.6	772.0	756.9	744.1	729.4	713.1	698.2
12.5°	844.8	842.2	840.6	830.5	828.2	814.4	796.8	783.7	761.0	742.2	722.4
15°	920.6	915.4	912.1	898.2	891.3	872.1	853.4	839.0	809.4	781.2	759.9
17.5°	965.1	970.3	962.7	956.9	939.2	925.7	906.6	876.3	853.2	818.2	791.3
20°	997.3	997.8	993.5	987.6	973.7	956.6	935.8	902.7	875.0	840.2	803.2
22.5°	1006.0	1006.1	1004.3	998.8	988.2	974.4	953.4	925.7	892.2	854.4	817.4
25°	977.4	976.5	978.6	984.8	980.8	976.5	964.4	943.8	912.6	872.6	832.8
27.5°	871.2	877.8	889.8	904.9	919.5	930.6	933.7	929.5	910.2	877.3	835.6
30°	794.7	802.8	811.8	826.9	856.3	873.1	891.5	905.5	897.7	871.4	832.6
32.5°	710.7	712.7	726.0	743.2	770.1	802.4	831.7	860.1	869.5	855.7	823.3
35°	577.9	581.3	595.7	612.7	645.6	685.2	729.2	768.5	800.9	813.9	797.3
37.5°	471.6	481.1	491.3	509.6	538.6	574.2	619.9	670.8	719.1	751.5	757.0
40°	421.3	427.2	434.5	448.5	473.1	508.1	547.4	605.6	657.0	703.4	718.5
42.5°	381.5	385.0	389.5	402.1	420.8	455.7	491.6	542.8	594.3	649.8	675.2
45°	324.2	327.8	335.4	342.7	356.9	381.0	414.4	456.5	508.4	561.8	608.7
47.5°	282.9	285.1	289.6	297.5	309.6	325.5	352.6	387.8	435.8	487.8	537.7
50°	259.4	261.3	264.8	271.9	281.2	295.4	317.6	350.5	388.1	440.4	489.4
52.5°	240.8	241.6	244.2	249.0	256.4	268.3	286.6	313.8	348.8	395.4	444.2
55°	212.1	213.0	215.4	218.9	225.3	232.9	246.8	267.2	297.7	338.2	380.6
57.5°	188.4	189.1	191.0	192.4	197.7	203.8	214.6	229.1	252.2	286.6	324.4
60°	173.2	172.8	175.1	176.3	179.9	185.1	193.4	207.3	227.4	255.1	289.9
62.5°	158.5	157.8	159.8	161.4	163.4	167.8	174.6	185.5	201.9	226.9	257.0
65°	136.3	135.4	136.6	138.5	140.3	142.7	147.7	157.4	170.4	188.4	211.3
67.5°	114.1	115.1	115.3	116.2	117.3	120.5	123.9	130.8	140.0	154.4	173.8
70°	100.8	101.1	102.0	102.0	102.7	105.6	108.4	112.4	121.4	134.7	150.5
72.5°	87.6	88.6	88.2	88.9	89.5	91.4	93.4	97.3	104.9	114.8	128.2
75°	68.2	68.9	68.9	69.1	69.8	70.5	72.2	75.0	80.5	87.8	97.0
77.5°	49.7	49.8	50.1	51.0	51.0	52.1	53.3	55.6	58.3	63.3	69.0
80°	38.3	38.8	38.6	39.1	39.1	40.0	40.5	43.3	44.5	47.8	52.3
82.5°	28.1	28.6	28.5	29.2	29.6	29.8	30.4	31.6	32.8	35.7	37.5
85°	14.2	14.7	14.2	14.7	15.4	15.6	16.3	16.6	17.5	18.2	19.9
87.5°	10.2	10.7	10.6	10.7	11.0	11.0	10.9	10.5	11.0	10.9	11.3
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°	28.0	27.9	27.8	27.7	27.6	26.9	25.5	24.2	22.8	21.5	19.7
95°	29.4	29.2	28.9	28.7	28.5	27.7	26.3	25.0	23.6	22.3	22.1
97.5°	28.4	28.1	27.9	27.7	27.5	27.3	27.2	27.0	26.9	26.7	51.9
100°	28.4	28.1	27.9	27.7	27.5	29.3	33.1	36.9	40.8	44.6	75.7
102.5°	29.2	29.1	29.1	29.0	29.0	49.6	90.9	132.2	173.5	214.8	218.8
105°	288.8	296.9	305.0	313.1	321.2	324.2	322.2	320.2	318.1	316.1	315.0
107.5°	402.4	401.6	400.7	399.9	399.0	398.1	397.1	396.1	395.1	394.1	392.6
110°	451.9	451.2	450.5	449.9	449.2	448.6	448.2	447.7	447.3	446.8	445.5



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	501.3	500.5	499.6	498.8	497.9	497.5	497.6	497.7	497.8	497.9	497.2
115°	573.5	573.5	573.5	573.5	573.5	573.2	572.8	572.3	571.9	571.4	571.7
117.5°	646.8	646.9	647.0	647.1	647.2	647.3	647.4	647.4	647.5	647.6	647.1
120°	693.0	693.5	693.9	694.4	694.8	694.8	694.4	693.9	693.5	693.0	693.2
122.5°	738.4	738.9	739.3	739.8	740.2	740.3	740.0	739.8	739.5	739.2	738.9
125°	806.5	806.3	806.0	805.8	805.6	805.1	804.5	803.8	803.1	802.4	802.9
127.5°	866.3	866.4	866.6	866.8	867.0	867.1	867.3	867.4	867.6	867.7	866.6
130°	906.8	906.8	906.8	906.8	906.8	906.7	906.5	906.2	906.0	905.8	905.1
132.5°	944.1	944.3	944.4	944.6	944.8	944.8	944.6	944.3	944.1	943.9	943.0
135°	1000.0	999.6	999.1	998.7	998.2	997.8	997.3	996.9	996.4	996.0	995.1
137.5°	1047.8	1048.0	1048.1	1048.2	1048.4	1048.2	1047.7	1047.2	1046.7	1046.2	1045.2
140°	1081.1	1080.8	1080.6	1080.4	1080.2	1079.7	1079.0	1078.4	1077.7	1077.0	1076.6
142.5°	1108.6	1108.6	1108.5	1108.5	1108.4	1108.2	1107.7	1107.2	1106.7	1106.2	1105.9
145°	1151.0	1150.5	1150.1	1149.6	1149.2	1148.8	1148.6	1148.4	1148.2	1147.9	1147.9
147.5°	1186.0	1185.8	1185.6	1185.4	1185.1	1184.9	1184.7	1184.6	1184.4	1184.2	1184.4
150°	1208.7	1208.5	1208.3	1208.0	1207.8	1207.7	1207.7	1207.7	1207.7	1207.7	1207.9
152.5°	1228.2	1228.3	1228.4	1228.6	1228.7	1228.6	1228.2	1227.9	1227.5	1227.2	1227.6
155°	1254.3	1255.0	1255.7	1256.3	1257.0	1256.9	1256.0	1255.1	1254.2	1253.3	1254.0
157.5°	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9	1279.7	1278.5	1277.4	1276.2	1277.0
160°	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2	1294.8	1293.5	1292.1	1290.8	1291.0
162.5°	1302.1	1303.7	1305.2	1306.7	1308.3	1308.3	1307.0	1305.6	1304.3	1302.9	1303.2
165°	1318.1	1320.2	1322.2	1324.2	1326.2	1326.4	1324.6	1322.8	1321.0	1319.2	1319.2
167.5°	1330.1	1332.4	1334.6	1336.9	1339.1	1339.2	1337.3	1335.3	1333.3	1331.3	1331.5
170°	1337.4	1339.6	1341.9	1344.1	1346.4	1346.6	1344.8	1343.0	1341.2	1339.4	1339.2
172.5°	1341.4	1343.9	1346.3	1348.7	1351.2	1351.5	1349.7	1347.9	1346.1	1344.3	1344.1
175°	1346.5	1349.2	1351.9	1354.6	1357.3	1357.7	1355.6	1353.6	1351.6	1349.6	1349.3
177.5°	1349.8	1351.9	1354.1	1356.2	1358.4	1358.8	1357.3	1355.9	1354.4	1353.0	1352.6
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	589.7	587.0	585.1	583.6	579.5	577.0	575.1	572.5	569.4	566.2	562.2
5°	623.1	615.1	609.2	600.2	591.7	584.6	577.2	570.6	562.6	553.8	547.4
7.5°	658.3	646.3	631.0	617.7	602.7	589.7	578.1	566.2	553.8	541.7	530.7
10°	680.7	665.3	648.2	628.1	609.2	592.4	576.8	561.6	546.9	532.3	519.7
12.5°	704.7	685.5	660.3	636.8	615.6	593.1	574.3	555.7	538.0	522.6	508.0
15°	737.0	709.3	680.2	648.7	620.8	594.5	568.7	545.3	525.4	505.0	490.8
17.5°	756.8	722.5	689.3	656.4	622.6	589.4	561.6	534.6	509.7	489.5	471.6
20°	769.9	735.8	694.4	661.5	621.3	587.2	555.0	524.9	498.9	477.4	458.9
22.5°	781.2	741.9	700.4	657.1	617.1	580.9	545.7	515.5	488.9	466.2	448.5
25°	787.4	742.2	697.2	654.1	608.7	565.9	533.9	498.4	470.0	446.1	427.2
27.5°	788.1	739.7	688.8	641.0	594.1	554.2	513.9	482.1	452.7	427.4	409.2
30°	786.0	735.6	680.9	629.1	582.0	538.7	503.6	469.1	439.0	413.9	395.0
32.5°	779.3	726.9	670.7	615.8	567.0	524.6	488.5	455.6	426.3	401.6	381.7
35°	760.2	708.3	648.5	591.4	541.5	498.7	466.0	432.6	403.3	379.9	360.7
37.5°	730.2	683.4	622.5	563.5	514.4	471.4	439.0	408.9	382.4	358.6	339.0
40°	704.1	662.9	601.8	544.3	491.3	450.4	420.1	392.4	366.1	343.6	324.9
42.5°	674.0	638.1	581.8	520.9	469.7	428.6	399.1	374.2	349.5	328.7	310.0
45°	620.3	596.6	543.6	487.3	434.0	395.2	367.1	345.3	324.5	304.1	288.5
47.5°	558.6	546.8	502.2	448.7	398.2	359.9	335.5	315.4	297.1	279.9	266.1
50°	517.1	511.4	472.9	421.3	373.0	337.0	312.4	295.1	279.5	264.4	251.3
52.5°	476.2	476.0	441.2	394.0	349.3	314.7	290.2	274.1	260.6	248.3	236.6
55°	413.7	420.3	393.1	351.0	311.0	279.7	257.7	243.3	233.8	223.7	214.9
57.5°	356.3	367.3	344.8	307.7	274.3	245.6	226.4	215.6	205.5	199.3	192.9
60°	318.8	329.2	311.7	280.5	249.0	224.4	206.1	196.4	187.7	183.4	178.9
62.5°	285.5	294.7	281.8	252.8	225.5	201.8	186.4	177.1	171.2	166.6	163.6
65°	237.9	245.7	234.5	213.5	190.0	171.1	158.6	151.2	145.6	143.7	140.3
67.5°	192.3	199.4	193.4	175.5	156.7	142.3	132.5	125.5	122.1	120.5	118.1
70°	165.2	172.3	165.9	150.3	135.8	123.8	114.5	110.5	107.0	106.3	103.0
72.5°	142.3	147.1	140.7	128.5	116.2	106.0	98.8	94.6	92.8	91.5	89.7
75°	106.7	111.0	106.7	97.3	88.5	81.4	75.3	73.6	71.5	70.8	69.6
77.5°	75.5	79.2	76.0	70.1	63.5	58.0	54.7	52.6	52.1	50.9	51.5
80°	57.7	60.1	57.0	53.0	47.8	44.0	41.7	40.5	39.1	38.6	39.5
82.5°	41.5	42.5	40.9	38.2	34.4	31.9	30.3	28.9	28.6	28.7	28.7
85°	21.5	21.3	21.1	18.7	17.5	15.9	14.9	14.7	14.4	14.9	15.4
87.5°	10.9	10.8	10.2	9.0	8.0	6.9	6.2	5.5	6.2	6.9	7.6
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°	17.9	16.1	14.3	13.3	13.2	13.0	12.9	12.8	12.9	13.0	13.2
95°	21.8	21.6	21.4	25.1	32.8	40.4	48.1	55.7	48.1	40.4	32.8
97.5°	77.0	102.1	127.3	137.4	132.7	127.9	123.1	118.3	123.1	127.9	132.7
100°	106.7	137.8	168.9	182.4	178.3	174.3	170.2	166.2	170.2	174.3	178.3
102.5°	222.9	227.0	231.0	231.5	228.6	225.6	222.6	219.7	222.6	225.6	228.6
105°	313.9	312.7	311.6	310.4	309.0	307.7	306.3	305.0	306.3	307.7	309.0
107.5°	391.1	389.5	388.0	386.9	386.2	385.5	384.9	384.2	384.9	385.5	386.2
110°	444.1	442.8	441.4	440.4	439.7	439.0	438.4	437.7	438.4	439.0	439.7



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	496.6	496.0	495.4	494.4	493.2	492.0	490.8	489.6	490.8	492.0	493.2
115°	571.9	572.1	572.3	572.1	571.4	570.8	570.1	569.4	570.1	570.8	571.4
117.5°	646.6	646.1	645.6	644.9	644.0	643.1	642.2	641.3	642.2	643.1	644.0
120°	693.5	693.7	693.9	693.6	692.7	691.8	690.9	690.0	690.9	691.8	692.7
122.5°	738.6	738.3	738.0	737.5	737.0	736.4	735.9	735.4	735.9	736.4	737.0
125°	803.3	803.8	804.2	804.0	803.1	802.2	801.3	800.4	801.3	802.2	803.1
127.5°	865.6	864.6	863.5	862.9	862.7	862.5	862.2	862.0	862.2	862.5	862.7
130°	904.4	903.8	903.1	902.6	902.4	902.2	902.0	901.7	902.0	902.2	902.4
132.5°	942.2	941.3	940.5	939.8	939.4	939.0	938.6	938.2	938.6	939.0	939.4
135°	994.2	993.3	992.4	992.0	992.2	992.5	992.7	992.9	992.7	992.5	992.2
137.5°	1044.2	1043.2	1042.2	1041.7	1041.6	1041.5	1041.4	1041.3	1041.4	1041.5	1041.6
140°	1076.1	1075.7	1075.2	1074.8	1074.3	1073.9	1073.4	1073.0	1073.4	1073.9	1074.3
142.5°	1105.6	1105.4	1105.1	1104.6	1103.8	1102.9	1102.1	1101.3	1102.1	1102.9	1103.8
145°	1147.9	1147.9	1147.9	1147.6	1146.9	1146.2	1145.6	1144.9	1145.6	1146.2	1146.9
147.5°	1184.7	1184.9	1185.1	1184.6	1183.3	1182.1	1180.8	1179.5	1180.8	1182.1	1183.3
150°	1208.2	1208.4	1208.6	1208.3	1207.4	1206.5	1205.6	1204.7	1205.6	1206.5	1207.4
152.5°	1228.0	1228.4	1228.8	1228.6	1227.9	1227.2	1226.5	1225.7	1226.5	1227.2	1227.9
155°	1254.7	1255.3	1256.0	1256.2	1256.0	1255.8	1255.6	1255.3	1255.6	1255.8	1256.0
157.5°	1277.7	1278.5	1279.3	1279.7	1279.8	1280.0	1280.1	1280.3	1280.1	1280.0	1279.8
160°	1291.2	1291.5	1291.7	1292.1	1292.8	1293.5	1294.2	1294.8	1294.2	1293.5	1292.8
162.5°	1303.4	1303.6	1303.8	1304.4	1305.2	1306.1	1307.0	1307.8	1307.0	1306.1	1305.2
165°	1319.2	1319.2	1319.2	1319.7	1320.8	1322.0	1323.1	1324.2	1323.1	1322.0	1320.8
167.5°	1331.6	1331.7	1331.9	1332.5	1333.7	1334.9	1336.0	1337.2	1336.0	1334.9	1333.7
170°	1339.0	1338.7	1338.5	1339.1	1340.4	1341.8	1343.1	1344.5	1343.1	1341.8	1340.4
172.5°	1343.8	1343.6	1343.4	1343.9	1345.3	1346.6	1348.0	1349.3	1348.0	1346.6	1345.3
175°	1349.1	1348.9	1348.7	1349.2	1350.6	1351.9	1353.3	1354.6	1353.3	1351.9	1350.6
177.5°	1352.3	1351.9	1351.6	1352.0	1353.3	1354.5	1355.8	1357.0	1355.8	1354.5	1353.3
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	560.3	558.6	556.2	552.8	549.9	546.9	546.1	545.0	547.3	545.4	544.8
5°	542.0	537.0	530.6	523.3	519.0	512.9	511.7	509.3	506.9	506.7	504.3
7.5°	522.5	515.2	506.8	499.4	492.5	485.7	481.3	480.4	476.9	474.8	472.5
10°	510.0	501.0	491.3	484.2	476.2	469.1	464.1	461.3	458.9	456.3	453.9
12.5°	495.3	485.7	477.7	470.0	460.5	455.1	446.9	442.0	441.5	441.5	435.4
15°	478.1	468.6	456.3	445.4	440.2	429.8	425.3	419.6	416.1	412.5	409.7
17.5°	458.4	446.6	437.0	424.5	414.6	406.3	400.4	397.0	391.6	386.6	383.0
20°	446.1	433.6	423.4	410.1	399.3	389.1	384.1	379.4	375.4	371.1	367.1
22.5°	433.6	420.5	408.1	395.2	385.1	374.3	369.5	363.1	359.3	356.9	352.9
25°	413.9	399.7	385.5	373.2	362.8	353.3	347.0	342.0	337.7	335.8	333.2
27.5°	392.5	378.4	364.7	350.7	338.9	332.0	326.9	323.2	320.7	318.2	317.0
30°	378.9	364.2	349.6	336.5	325.7	318.8	314.1	311.5	309.6	308.4	307.2
32.5°	365.1	350.6	335.2	323.3	313.5	307.4	303.8	301.2	300.3	299.9	299.4
35°	342.9	328.3	314.1	303.4	294.2	291.8	288.7	287.3	286.8	288.5	289.2
37.5°	321.5	307.9	294.8	284.5	278.4	275.0	273.9	274.0	275.7	277.1	278.8
40°	307.7	294.4	282.1	273.1	267.4	265.3	264.8	266.0	267.9	269.6	271.5
42.5°	294.2	281.2	270.0	261.6	257.6	255.6	255.9	257.1	259.8	261.8	264.6
45°	273.4	262.5	251.6	244.7	241.4	241.9	241.9	244.0	246.6	249.7	252.8
47.5°	253.7	242.7	233.8	228.0	226.3	225.9	227.2	230.0	233.7	237.5	241.8
50°	240.5	230.0	222.2	217.0	215.1	215.8	217.7	220.3	224.8	229.6	234.1
52.5°	227.0	217.5	210.3	205.5	204.1	205.4	207.3	211.4	215.4	220.5	225.9
55°	206.1	198.1	192.4	188.9	188.4	189.1	191.2	195.7	201.4	207.8	213.0
57.5°	185.4	178.6	173.4	171.0	171.2	171.9	175.4	180.7	186.8	193.6	200.3
60°	171.3	165.2	160.9	159.0	159.3	160.7	165.0	169.9	177.5	184.1	191.2
62.5°	158.1	152.7	148.6	146.9	146.6	149.7	153.8	158.9	166.5	173.9	181.6
65°	136.8	132.5	129.2	128.3	129.0	131.4	136.6	143.4	149.8	157.6	165.7
67.5°	116.0	112.5	110.2	110.6	111.5	115.0	119.3	125.2	132.5	140.6	148.5
70°	102.7	99.4	97.5	97.7	99.2	103.4	107.2	113.1	120.9	129.2	135.8
72.5°	89.1	86.9	85.2	86.2	87.6	90.5	95.3	101.2	108.1	115.8	122.8
75°	68.4	68.4	67.5	68.2	70.3	73.1	76.7	82.8	89.7	95.9	101.5
77.5°	50.7	50.2	50.8	51.7	52.9	56.3	60.4	64.8	69.9	76.1	80.8
80°	38.8	39.1	40.2	41.7	42.1	44.7	49.0	53.0	57.0	62.2	66.7
82.5°	29.2	29.4	30.0	31.8	32.3	35.1	37.8	41.8	45.5	49.0	52.7
85°	15.9	15.9	17.0	17.8	18.9	20.8	22.5	24.9	28.2	30.5	34.1
87.5°	8.6	9.1	10.2	10.9	11.9	13.2	13.8	16.2	17.2	18.4	20.3
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°	13.3	14.3	16.1	17.9	19.7	21.5	22.8	24.2	25.5	26.9	27.6
95°	25.1	21.4	21.6	21.8	22.1	22.3	23.6	25.0	26.3	27.7	28.5
97.5°	137.4	127.3	102.1	77.0	51.9	26.7	26.9	27.0	27.2	27.3	27.5
100°	182.4	168.9	137.8	106.7	75.7	44.6	40.8	36.9	33.1	29.3	27.5
102.5°	231.5	231.0	227.0	222.9	218.8	214.8	173.5	132.2	90.9	49.6	29.0
105°	310.4	311.6	312.7	313.9	315.0	316.1	318.1	320.2	322.2	324.2	321.2
107.5°	386.9	388.0	389.5	391.1	392.6	394.1	395.1	396.1	397.1	398.1	399.0
110°	440.4	441.4	442.8	444.1	445.5	446.8	447.3	447.7	448.2	448.6	449.2



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	494.4	495.4	496.0	496.6	497.2	497.9	497.8	497.7	497.6	497.5	497.9
115°	572.1	572.3	572.1	571.9	571.7	571.4	571.9	572.3	572.8	573.2	573.5
117.5°	644.9	645.6	646.1	646.6	647.1	647.6	647.5	647.4	647.4	647.3	647.2
120°	693.6	693.9	693.7	693.5	693.2	693.0	693.5	693.9	694.4	694.8	694.8
122.5°	737.5	738.0	738.3	738.6	738.9	739.2	739.5	739.8	740.0	740.3	740.2
125°	804.0	804.2	803.8	803.3	802.9	802.4	803.1	803.8	804.5	805.1	805.6
127.5°	862.9	863.5	864.6	865.6	866.6	867.7	867.6	867.4	867.3	867.1	867.0
130°	902.6	903.1	903.8	904.4	905.1	905.8	906.0	906.2	906.5	906.7	906.8
132.5°	939.8	940.5	941.3	942.2	943.0	943.9	944.1	944.3	944.6	944.8	944.8
135°	992.0	992.4	993.3	994.2	995.1	996.0	996.4	996.9	997.3	997.8	998.2
137.5°	1041.7	1042.2	1043.2	1044.2	1045.2	1046.2	1046.7	1047.2	1047.7	1048.2	1048.4
140°	1074.8	1075.2	1075.7	1076.1	1076.6	1077.0	1077.7	1078.4	1079.0	1079.7	1080.2
142.5°	1104.6	1105.1	1105.4	1105.6	1105.9	1106.2	1106.7	1107.2	1107.7	1108.2	1108.4
145°	1147.6	1147.9	1147.9	1147.9	1147.9	1147.9	1148.2	1148.4	1148.6	1148.8	1149.2
147.5°	1184.6	1185.1	1184.9	1184.7	1184.4	1184.2	1184.4	1184.6	1184.7	1184.9	1185.1
150°	1208.3	1208.6	1208.4	1208.2	1207.9	1207.7	1207.7	1207.7	1207.7	1207.7	1207.8
152.5°	1228.6	1228.8	1228.4	1228.0	1227.6	1227.2	1227.5	1227.9	1228.2	1228.6	1228.7
155°	1256.2	1256.0	1255.3	1254.7	1254.0	1253.3	1254.2	1255.1	1256.0	1256.9	1257.0
157.5°	1279.7	1279.3	1278.5	1277.7	1277.0	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9
160°	1292.1	1291.7	1291.5	1291.2	1291.0	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2
162.5°	1304.4	1303.8	1303.6	1303.4	1303.2	1302.9	1304.3	1305.6	1307.0	1308.3	1308.3
165°	1319.7	1319.2	1319.2	1319.2	1319.2	1319.2	1321.0	1322.8	1324.6	1326.4	1326.2
167.5°	1332.5	1331.9	1331.7	1331.6	1331.5	1331.3	1333.3	1335.3	1337.3	1339.2	1339.1
170°	1339.1	1338.5	1338.7	1339.0	1339.2	1339.4	1341.2	1343.0	1344.8	1346.6	1346.4
172.5°	1343.9	1343.4	1343.6	1343.8	1344.1	1344.3	1346.1	1347.9	1349.7	1351.5	1351.2
175°	1349.2	1348.7	1348.9	1349.1	1349.3	1349.6	1351.6	1353.6	1355.6	1357.7	1357.3
177.5°	1352.0	1351.6	1351.9	1352.3	1352.6	1353.0	1354.4	1355.9	1357.3	1358.8	1358.4
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	544.4	544.1	542.7	542.5	542.7	544.1	544.4	544.8	545.4	547.3	545.0
5°	502.9	501.7	501.0	503.6	501.0	501.7	502.9	504.3	506.7	506.9	509.3
7.5°	471.6	470.7	468.6	467.9	468.6	470.7	471.6	472.5	474.8	476.9	480.4
10°	451.6	450.6	448.7	448.2	448.7	450.6	451.6	453.9	456.3	458.9	461.3
12.5°	432.2	430.4	430.0	430.5	430.0	430.4	432.2	435.4	441.5	441.5	442.0
15°	406.6	405.6	403.0	403.8	403.0	405.6	406.6	409.7	412.5	416.1	419.6
17.5°	381.3	380.2	377.0	379.8	377.0	380.2	381.3	383.0	386.6	391.6	397.0
20°	365.4	363.5	361.9	361.6	361.9	363.5	365.4	367.1	371.1	375.4	379.4
22.5°	350.3	348.6	348.4	346.9	348.4	348.6	350.3	352.9	356.9	359.3	363.1
25°	331.3	329.7	329.2	328.0	329.2	329.7	331.3	333.2	335.8	337.7	342.0
27.5°	316.8	316.0	315.1	315.5	315.1	316.0	316.8	317.0	318.2	320.7	323.2
30°	307.9	307.7	307.2	307.2	307.2	307.7	307.9	307.2	308.4	309.6	311.5
32.5°	300.5	300.5	300.8	300.8	300.8	300.5	300.5	299.4	299.9	300.3	301.2
35°	290.2	290.9	291.3	290.6	291.3	290.9	290.2	289.2	288.5	286.8	287.3
37.5°	280.8	281.5	282.2	283.0	282.2	281.5	280.8	278.8	277.1	275.7	274.0
40°	273.6	275.2	275.7	276.9	275.7	275.2	273.6	271.5	269.6	267.9	266.0
42.5°	266.8	268.6	269.8	270.1	269.8	268.6	266.8	264.6	261.8	259.8	257.1
45°	256.3	258.2	259.9	259.9	259.9	258.2	256.3	252.8	249.7	246.6	244.0
47.5°	245.5	248.2	249.9	250.3	249.9	248.2	245.5	241.8	237.5	233.7	230.0
50°	238.1	241.4	243.1	244.2	243.1	241.4	238.1	234.1	229.6	224.8	220.3
52.5°	230.9	234.2	236.4	237.0	236.4	234.2	230.9	225.9	220.5	215.4	211.4
55°	218.4	223.2	225.8	226.7	225.8	223.2	218.4	213.0	207.8	201.4	195.7
57.5°	206.7	211.1	214.1	214.8	214.1	211.1	206.7	200.3	193.6	186.8	180.7
60°	197.6	202.4	206.1	206.8	206.1	202.4	197.6	191.2	184.1	177.5	169.9
62.5°	188.3	193.3	196.7	198.5	196.7	193.3	188.3	181.6	173.9	166.5	158.9
65°	172.3	177.3	180.6	181.3	180.6	177.3	172.3	165.7	157.6	149.8	143.4
67.5°	154.8	159.8	161.9	163.3	161.9	159.8	154.8	148.5	140.6	132.5	125.2
70°	142.5	146.5	148.9	150.0	148.9	146.5	142.5	135.8	129.2	120.9	113.1
72.5°	128.5	132.7	135.4	135.7	135.4	132.7	128.5	122.8	115.8	108.1	101.2
75°	107.0	110.8	112.2	112.2	112.2	110.8	107.0	101.5	95.9	89.7	82.8
77.5°	84.7	86.6	88.4	88.8	88.4	86.6	84.7	80.8	76.1	69.9	64.8
80°	70.3	71.5	72.9	72.9	72.9	71.5	70.3	66.7	62.2	57.0	53.0
82.5°	55.5	56.5	57.9	57.7	57.9	56.5	55.5	52.7	49.0	45.5	41.8
85°	33.6	35.7	35.5	35.0	35.5	35.7	33.6	34.1	30.5	28.2	24.9
87.5°	21.0	21.2	21.9	22.4	21.9	21.2	21.0	20.3	18.4	17.2	16.2
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°	27.7	27.8	27.9	28.0	27.9	27.8	27.7	27.6	26.9	25.5	24.2
95°	28.7	28.9	29.2	29.4	29.2	28.9	28.7	28.5	27.7	26.3	25.0
97.5°	27.7	27.9	28.1	28.4	28.1	27.9	27.7	27.5	27.3	27.2	27.0
100°	27.7	27.9	28.1	28.4	28.1	27.9	27.7	27.5	29.3	33.1	36.9
102.5°	29.0	29.1	29.1	29.2	29.1	29.1	29.0	29.0	49.6	90.9	132.2
105°	313.1	305.0	296.9	288.8	296.9	305.0	313.1	321.2	324.2	322.2	320.2
107.5°	399.9	400.7	401.6	402.4	401.6	400.7	399.9	399.0	398.1	397.1	396.1
110°	449.9	450.5	451.2	451.9	451.2	450.5	449.9	449.2	448.6	448.2	447.7



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	498.8	499.6	500.5	501.3	500.5	499.6	498.8	497.9	497.5	497.6	497.7
115°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.2	572.8	572.3
117.5°	647.1	647.0	646.9	646.8	646.9	647.0	647.1	647.2	647.3	647.4	647.4
120°	694.4	693.9	693.5	693.0	693.5	693.9	694.4	694.8	694.8	694.4	693.9
122.5°	739.8	739.3	738.9	738.4	738.9	739.3	739.8	740.2	740.3	740.0	739.8
125°	805.8	806.0	806.3	806.5	806.3	806.0	805.8	805.6	805.1	804.5	803.8
127.5°	866.8	866.6	866.4	866.3	866.4	866.6	866.8	867.0	867.1	867.3	867.4
130°	906.8	906.8	906.8	906.8	906.8	906.8	906.8	906.8	906.7	906.5	906.2
132.5°	944.6	944.4	944.3	944.1	944.3	944.4	944.6	944.8	944.8	944.6	944.3
135°	998.7	999.1	999.6	1000.0	999.6	999.1	998.7	998.2	997.8	997.3	996.9
137.5°	1048.2	1048.1	1048.0	1047.8	1048.0	1048.1	1048.2	1048.4	1048.2	1047.7	1047.2
140°	1080.4	1080.6	1080.8	1081.1	1080.8	1080.6	1080.4	1080.2	1079.7	1079.0	1078.4
142.5°	1108.5	1108.5	1108.6	1108.6	1108.6	1108.5	1108.5	1108.4	1108.2	1107.7	1107.2
145°	1149.6	1150.1	1150.5	1151.0	1150.5	1150.1	1149.6	1149.2	1148.8	1148.6	1148.4
147.5°	1185.4	1185.6	1185.8	1186.0	1185.8	1185.6	1185.4	1185.1	1184.9	1184.7	1184.6
150°	1208.0	1208.3	1208.5	1208.7	1208.5	1208.3	1208.0	1207.8	1207.7	1207.7	1207.7
152.5°	1228.6	1228.4	1228.3	1228.2	1228.3	1228.4	1228.6	1228.7	1228.6	1228.2	1227.9
155°	1256.3	1255.7	1255.0	1254.3	1255.0	1255.7	1256.3	1257.0	1256.9	1256.0	1255.1
157.5°	1279.7	1278.5	1277.4	1276.2	1277.4	1278.5	1279.7	1280.9	1280.9	1279.7	1278.5
160°	1294.8	1293.5	1292.1	1290.8	1292.1	1293.5	1294.8	1296.2	1296.2	1294.8	1293.5
162.5°	1306.7	1305.2	1303.7	1302.1	1303.7	1305.2	1306.7	1308.3	1308.3	1307.0	1305.6
165°	1324.2	1322.2	1320.2	1318.1	1320.2	1322.2	1324.2	1326.2	1326.4	1324.6	1322.8
167.5°	1336.9	1334.6	1332.4	1330.1	1332.4	1334.6	1336.9	1339.1	1339.2	1337.3	1335.3
170°	1344.1	1341.9	1339.6	1337.4	1339.6	1341.9	1344.1	1346.4	1346.6	1344.8	1343.0
172.5°	1348.7	1346.3	1343.9	1341.4	1343.9	1346.3	1348.7	1351.2	1351.5	1349.7	1347.9
175°	1354.6	1351.9	1349.2	1346.5	1349.2	1351.9	1354.6	1357.3	1357.7	1355.6	1353.6
177.5°	1356.2	1354.1	1351.9	1349.8	1351.9	1354.1	1356.2	1358.4	1358.8	1357.3	1355.9
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	546.1	546.9	549.9	552.8	556.2	558.6	560.3	562.2	566.2	569.4	572.5
5°	511.7	512.9	519.0	523.3	530.6	537.0	542.0	547.4	553.8	562.6	570.6
7.5°	481.3	485.7	492.5	499.4	506.8	515.2	522.5	530.7	541.7	553.8	566.2
10°	464.1	469.1	476.2	484.2	491.3	501.0	510.0	519.7	532.3	546.9	561.6
12.5°	446.9	455.1	460.5	470.0	477.7	485.7	495.3	508.0	522.6	538.0	555.7
15°	425.3	429.8	440.2	445.4	456.3	468.6	478.1	490.8	505.0	525.4	545.3
17.5°	400.4	406.3	414.6	424.5	437.0	446.6	458.4	471.6	489.5	509.7	534.6
20°	384.1	389.1	399.3	410.1	423.4	433.6	446.1	458.9	477.4	498.9	524.9
22.5°	369.5	374.3	385.1	395.2	408.1	420.5	433.6	448.5	466.2	488.9	515.5
25°	347.0	353.3	362.8	373.2	385.5	399.7	413.9	427.2	446.1	470.0	498.4
27.5°	326.9	332.0	338.9	350.7	364.7	378.4	392.5	409.2	427.4	452.7	482.1
30°	314.1	318.8	325.7	336.5	349.6	364.2	378.9	395.0	413.9	439.0	469.1
32.5°	303.8	307.4	313.5	323.3	335.2	350.6	365.1	381.7	401.6	426.3	455.6
35°	288.7	291.8	294.2	303.4	314.1	328.3	342.9	360.7	379.9	403.3	432.6
37.5°	273.9	275.0	278.4	284.5	294.8	307.9	321.5	339.0	358.6	382.4	408.9
40°	264.8	265.3	267.4	273.1	282.1	294.4	307.7	324.9	343.6	366.1	392.4
42.5°	255.9	255.6	257.6	261.6	270.0	281.2	294.2	310.0	328.7	349.5	374.2
45°	241.9	241.9	241.4	244.7	251.6	262.5	273.4	288.5	304.1	324.5	345.3
47.5°	227.2	225.9	226.3	228.0	233.8	242.7	253.7	266.1	279.9	297.1	315.4
50°	217.7	215.8	215.1	217.0	222.2	230.0	240.5	251.3	264.4	279.5	295.1
52.5°	207.3	205.4	204.1	205.5	210.3	217.5	227.0	236.6	248.3	260.6	274.1
55°	191.2	189.1	188.4	188.9	192.4	198.1	206.1	214.9	223.7	233.8	243.3
57.5°	175.4	171.9	171.2	171.0	173.4	178.6	185.4	192.9	199.3	205.5	215.6
60°	165.0	160.7	159.3	159.0	160.9	165.2	171.3	178.9	183.4	187.7	196.4
62.5°	153.8	149.7	146.6	146.9	148.6	152.7	158.1	163.6	166.6	171.2	177.1
65°	136.6	131.4	129.0	128.3	129.2	132.5	136.8	140.3	143.7	145.6	151.2
67.5°	119.3	115.0	111.5	110.6	110.2	112.5	116.0	118.1	120.5	122.1	125.5
70°	107.2	103.4	99.2	97.7	97.5	99.4	102.7	103.0	106.3	107.0	110.5
72.5°	95.3	90.5	87.6	86.2	85.2	86.9	89.1	89.7	91.5	92.8	94.6
75°	76.7	73.1	70.3	68.2	67.5	68.4	68.4	69.6	70.8	71.5	73.6
77.5°	60.4	56.3	52.9	51.7	50.8	50.2	50.7	51.5	50.9	52.1	52.6
80°	49.0	44.7	42.1	41.7	40.2	39.1	38.8	39.5	38.6	39.1	40.5
82.5°	37.8	35.1	32.3	31.8	30.0	29.4	29.2	28.7	28.7	28.6	28.9
85°	22.5	20.8	18.9	17.8	17.0	15.9	15.9	15.4	14.9	14.4	14.7
87.5°	13.8	13.2	11.9	10.9	10.2	9.1	8.6	7.6	6.9	6.2	5.5
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°	22.8	21.5	19.7	17.9	16.1	14.3	13.3	13.2	13.0	12.9	12.8
95°	23.6	22.3	22.1	21.8	21.6	21.4	25.1	32.8	40.4	48.1	55.7
97.5°	26.9	26.7	51.9	77.0	102.1	127.3	137.4	132.7	127.9	123.1	118.3
100°	40.8	44.6	75.7	106.7	137.8	168.9	182.4	178.3	174.3	170.2	166.2
102.5°	173.5	214.8	218.8	222.9	227.0	231.0	231.5	228.6	225.6	222.6	219.7
105°	318.1	316.1	315.0	313.9	312.7	311.6	310.4	309.0	307.7	306.3	305.0
107.5°	395.1	394.1	392.6	391.1	389.5	388.0	386.9	386.2	385.5	384.9	384.2
110°	447.3	446.8	445.5	444.1	442.8	441.4	440.4	439.7	439.0	438.4	437.7



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	497.8	497.9	497.2	496.6	496.0	495.4	494.4	493.2	492.0	490.8	489.6
115°	571.9	571.4	571.7	571.9	572.1	572.3	572.1	571.4	570.8	570.1	569.4
117.5°	647.5	647.6	647.1	646.6	646.1	645.6	644.9	644.0	643.1	642.2	641.3
120°	693.5	693.0	693.2	693.5	693.7	693.9	693.6	692.7	691.8	690.9	690.0
122.5°	739.5	739.2	738.9	738.6	738.3	738.0	737.5	737.0	736.4	735.9	735.4
125°	803.1	802.4	802.9	803.3	803.8	804.2	804.0	803.1	802.2	801.3	800.4
127.5°	867.6	867.7	866.6	865.6	864.6	863.5	862.9	862.7	862.5	862.2	862.0
130°	906.0	905.8	905.1	904.4	903.8	903.1	902.6	902.4	902.2	902.0	901.7
132.5°	944.1	943.9	943.0	942.2	941.3	940.5	939.8	939.4	939.0	938.6	938.2
135°	996.4	996.0	995.1	994.2	993.3	992.4	992.0	992.2	992.5	992.7	992.9
137.5°	1046.7	1046.2	1045.2	1044.2	1043.2	1042.2	1041.7	1041.6	1041.5	1041.4	1041.3
140°	1077.7	1077.0	1076.6	1076.1	1075.7	1075.2	1074.8	1074.3	1073.9	1073.4	1073.0
142.5°	1106.7	1106.2	1105.9	1105.6	1105.4	1105.1	1104.6	1103.8	1102.9	1102.1	1101.3
145°	1148.2	1147.9	1147.9	1147.9	1147.9	1147.9	1147.6	1146.9	1146.2	1145.6	1144.9
147.5°	1184.4	1184.2	1184.4	1184.7	1184.9	1185.1	1184.6	1183.3	1182.1	1180.8	1179.5
150°	1207.7	1207.7	1207.9	1208.2	1208.4	1208.6	1208.3	1207.4	1206.5	1205.6	1204.7
152.5°	1227.5	1227.2	1227.6	1228.0	1228.4	1228.8	1228.6	1227.9	1227.2	1226.5	1225.7
155°	1254.2	1253.3	1254.0	1254.7	1255.3	1256.0	1256.2	1256.0	1255.8	1255.6	1255.3
157.5°	1277.4	1276.2	1277.0	1277.7	1278.5	1279.3	1279.7	1279.8	1280.0	1280.1	1280.3
160°	1292.1	1290.8	1291.0	1291.2	1291.5	1291.7	1292.1	1292.8	1293.5	1294.2	1294.8
162.5°	1304.3	1302.9	1303.2	1303.4	1303.6	1303.8	1304.4	1305.2	1306.1	1307.0	1307.8
165°	1321.0	1319.2	1319.2	1319.2	1319.2	1319.2	1319.7	1320.8	1322.0	1323.1	1324.2
167.5°	1333.3	1331.3	1331.5	1331.6	1331.7	1331.9	1332.5	1333.7	1334.9	1336.0	1337.2
170°	1341.2	1339.4	1339.2	1339.0	1338.7	1338.5	1339.1	1340.4	1341.8	1343.1	1344.5
172.5°	1346.1	1344.3	1344.1	1343.8	1343.6	1343.4	1343.9	1345.3	1346.6	1348.0	1349.3
175°	1351.6	1349.6	1349.3	1349.1	1348.9	1348.7	1349.2	1350.6	1351.9	1353.3	1354.6
177.5°	1354.4	1353.0	1352.6	1352.3	1351.9	1351.6	1352.0	1353.3	1354.5	1355.8	1357.0
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	575.1	577.0	579.5	583.6	585.1	587.0	589.7	589.5	590.2	593.1	599.1
5°	577.2	584.6	591.7	600.2	609.2	615.1	623.1	628.1	633.1	639.5	650.4
7.5°	578.1	589.7	602.7	617.7	631.0	646.3	658.3	669.6	679.8	693.2	706.2
10°	576.8	592.4	609.2	628.1	648.2	665.3	680.7	698.2	713.1	729.4	744.1
12.5°	574.3	593.1	615.6	636.8	660.3	685.5	704.7	722.4	742.2	761.0	783.7
15°	568.7	594.5	620.8	648.7	680.2	709.3	737.0	759.9	781.2	809.4	839.0
17.5°	561.6	589.4	622.6	656.4	689.3	722.5	756.8	791.3	818.2	853.2	876.3
20°	555.0	587.2	621.3	661.5	694.4	735.8	769.9	803.2	840.2	875.0	902.7
22.5°	545.7	580.9	617.1	657.1	700.4	741.9	781.2	817.4	854.4	892.2	925.7
25°	533.9	565.9	608.7	654.1	697.2	742.2	787.4	832.8	872.6	912.6	943.8
27.5°	513.9	554.2	594.1	641.0	688.8	739.7	788.1	835.6	877.3	910.2	929.5
30°	503.6	538.7	582.0	629.1	680.9	735.6	786.0	832.6	871.4	897.7	905.5
32.5°	488.5	524.6	567.0	615.8	670.7	726.9	779.3	823.3	855.7	869.5	860.1
35°	466.0	498.7	541.5	591.4	648.5	708.3	760.2	797.3	813.9	800.9	768.5
37.5°	439.0	471.4	514.4	563.5	622.5	683.4	730.2	757.0	751.5	719.1	670.8
40°	420.1	450.4	491.3	544.3	601.8	662.9	704.1	718.5	703.4	657.0	605.6
42.5°	399.1	428.6	469.7	520.9	581.8	638.1	674.0	675.2	649.8	594.3	542.8
45°	367.1	395.2	434.0	487.3	543.6	596.6	620.3	608.7	561.8	508.4	456.5
47.5°	335.5	359.9	398.2	448.7	502.2	546.8	558.6	537.7	487.8	435.8	387.8
50°	312.4	337.0	373.0	421.3	472.9	511.4	517.1	489.4	440.4	388.1	350.5
52.5°	290.2	314.7	349.3	394.0	441.2	476.0	476.2	444.2	395.4	348.8	313.8
55°	257.7	279.7	311.0	351.0	393.1	420.3	413.7	380.6	338.2	297.7	267.2
57.5°	226.4	245.6	274.3	307.7	344.8	367.3	356.3	324.4	286.6	252.2	229.1
60°	206.1	224.4	249.0	280.5	311.7	329.2	318.8	289.9	255.1	227.4	207.3
62.5°	186.4	201.8	225.5	252.8	281.8	294.7	285.5	257.0	226.9	201.9	185.5
65°	158.6	171.1	190.0	213.5	234.5	245.7	237.9	211.3	188.4	170.4	157.4
67.5°	132.5	142.3	156.7	175.5	193.4	199.4	192.3	173.8	154.4	140.0	130.8
70°	114.5	123.8	135.8	150.3	165.9	172.3	165.2	150.5	134.7	121.4	112.4
72.5°	98.8	106.0	116.2	128.5	140.7	147.1	142.3	128.2	114.8	104.9	97.3
75°	75.3	81.4	88.5	97.3	106.7	111.0	106.7	97.0	87.8	80.5	75.0
77.5°	54.7	58.0	63.5	70.1	76.0	79.2	75.5	69.0	63.3	58.3	55.6
80°	41.7	44.0	47.8	53.0	57.0	60.1	57.7	52.3	47.8	44.5	43.3
82.5°	30.3	31.9	34.4	38.2	40.9	42.5	41.5	37.5	35.7	32.8	31.6
85°	14.9	15.9	17.5	18.7	21.1	21.3	21.5	19.9	18.2	17.5	16.6
87.5°	6.2	6.9	8.0	9.0	10.2	10.8	10.9	11.3	10.9	11.0	10.5
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°	12.9	13.0	13.2	13.3	14.3	16.1	17.9	19.7	21.5	22.8	24.2
95°	48.1	40.4	32.8	25.1	21.4	21.6	21.8	22.1	22.3	23.6	25.0
97.5°	123.1	127.9	132.7	137.4	127.3	102.1	77.0	51.9	26.7	26.9	27.0
100°	170.2	174.3	178.3	182.4	168.9	137.8	106.7	75.7	44.6	40.8	36.9
102.5°	222.6	225.6	228.6	231.5	231.0	227.0	222.9	218.8	214.8	173.5	132.2
105°	306.3	307.7	309.0	310.4	311.6	312.7	313.9	315.0	316.1	318.1	320.2
107.5°	384.9	385.5	386.2	386.9	388.0	389.5	391.1	392.6	394.1	395.1	396.1
110°	438.4	439.0	439.7	440.4	441.4	442.8	444.1	445.5	446.8	447.3	447.7



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	490.8	492.0	493.2	494.4	495.4	496.0	496.6	497.2	497.9	497.8	497.7
115°	570.1	570.8	571.4	572.1	572.3	572.1	571.9	571.7	571.4	571.9	572.3
117.5°	642.2	643.1	644.0	644.9	645.6	646.1	646.6	647.1	647.6	647.5	647.4
120°	690.9	691.8	692.7	693.6	693.9	693.7	693.5	693.2	693.0	693.5	693.9
122.5°	735.9	736.4	737.0	737.5	738.0	738.3	738.6	738.9	739.2	739.5	739.8
125°	801.3	802.2	803.1	804.0	804.2	803.8	803.3	802.9	802.4	803.1	803.8
127.5°	862.2	862.5	862.7	862.9	863.5	864.6	865.6	866.6	867.7	867.6	867.4
130°	902.0	902.2	902.4	902.6	903.1	903.8	904.4	905.1	905.8	906.0	906.2
132.5°	938.6	939.0	939.4	939.8	940.5	941.3	942.2	943.0	943.9	944.1	944.3
135°	992.7	992.5	992.2	992.0	992.4	993.3	994.2	995.1	996.0	996.4	996.9
137.5°	1041.4	1041.5	1041.6	1041.7	1042.2	1043.2	1044.2	1045.2	1046.2	1046.7	1047.2
140°	1073.4	1073.9	1074.3	1074.8	1075.2	1075.7	1076.1	1076.6	1077.0	1077.7	1078.4
142.5°	1102.1	1102.9	1103.8	1104.6	1105.1	1105.4	1105.6	1105.9	1106.2	1106.7	1107.2
145°	1145.6	1146.2	1146.9	1147.6	1147.9	1147.9	1147.9	1147.9	1147.9	1148.2	1148.4
147.5°	1180.8	1182.1	1183.3	1184.6	1185.1	1184.9	1184.7	1184.4	1184.2	1184.4	1184.6
150°	1205.6	1206.5	1207.4	1208.3	1208.6	1208.4	1208.2	1207.9	1207.7	1207.7	1207.7
152.5°	1226.5	1227.2	1227.9	1228.6	1228.8	1228.4	1228.0	1227.6	1227.2	1227.5	1227.9
155°	1255.6	1255.8	1256.0	1256.2	1256.0	1255.3	1254.7	1254.0	1253.3	1254.2	1255.1
157.5°	1280.1	1280.0	1279.8	1279.7	1279.3	1278.5	1277.7	1277.0	1276.2	1277.4	1278.5
160°	1294.2	1293.5	1292.8	1292.1	1291.7	1291.5	1291.2	1291.0	1290.8	1292.1	1293.5
162.5°	1307.0	1306.1	1305.2	1304.4	1303.8	1303.6	1303.4	1303.2	1302.9	1304.3	1305.6
165°	1323.1	1322.0	1320.8	1319.7	1319.2	1319.2	1319.2	1319.2	1319.2	1321.0	1322.8
167.5°	1336.0	1334.9	1333.7	1332.5	1331.9	1331.7	1331.6	1331.5	1331.3	1333.3	1335.3
170°	1343.1	1341.8	1340.4	1339.1	1338.5	1338.7	1339.0	1339.2	1339.4	1341.2	1343.0
172.5°	1348.0	1346.6	1345.3	1343.9	1343.4	1343.6	1343.8	1344.1	1344.3	1346.1	1347.9
175°	1353.3	1351.9	1350.6	1349.2	1348.7	1348.9	1349.1	1349.3	1349.6	1351.6	1353.6
177.5°	1355.8	1354.5	1353.3	1352.0	1351.6	1351.9	1352.3	1352.6	1353.0	1354.4	1355.9
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	602.2	602.6	604.3	605.6	606.0	607.9	608.0
5°	655.1	659.1	666.9	667.6	668.8	675.0	670.2
7.5°	717.1	727.3	734.1	740.2	742.3	745.0	744.5
10°	756.9	772.0	779.6	791.7	792.1	795.2	793.3
12.5°	796.8	814.4	828.2	830.5	840.6	842.2	844.8
15°	853.4	872.1	891.3	898.2	912.1	915.4	920.6
17.5°	906.6	925.7	939.2	956.9	962.7	970.3	965.1
20°	935.8	956.6	973.7	987.6	993.5	997.8	997.3
22.5°	953.4	974.4	988.2	998.8	1004.3	1006.1	1006.0
25°	964.4	976.5	980.8	984.8	978.6	976.5	977.4
27.5°	933.7	930.6	919.5	904.9	889.8	877.8	871.2
30°	891.5	873.1	856.3	826.9	811.8	802.8	794.7
32.5°	831.7	802.4	770.1	743.2	726.0	712.7	710.7
35°	729.2	685.2	645.6	612.7	595.7	581.3	577.9
37.5°	619.9	574.2	538.6	509.6	491.3	481.1	471.6
40°	547.4	508.1	473.1	448.5	434.5	427.2	421.3
42.5°	491.6	455.7	420.8	402.1	389.5	385.0	381.5
45°	414.4	381.0	356.9	342.7	335.4	327.8	324.2
47.5°	352.6	325.5	309.6	297.5	289.6	285.1	282.9
50°	317.6	295.4	281.2	271.9	264.8	261.3	259.4
52.5°	286.6	268.3	256.4	249.0	244.2	241.6	240.8
55°	246.8	232.9	225.3	218.9	215.4	213.0	212.1
57.5°	214.6	203.8	197.7	192.4	191.0	189.1	188.4
60°	193.4	185.1	179.9	176.3	175.1	172.8	173.2
62.5°	174.6	167.8	163.4	161.4	159.8	157.8	158.5
65°	147.7	142.7	140.3	138.5	136.6	135.4	136.3
67.5°	123.9	120.5	117.3	116.2	115.3	115.1	114.1
70°	108.4	105.6	102.7	102.0	102.0	101.1	100.8
72.5°	93.4	91.4	89.5	88.9	88.2	88.6	87.6
75°	72.2	70.5	69.8	69.1	68.9	68.9	68.2
77.5°	53.3	52.1	51.0	51.0	50.1	49.8	49.7
80°	40.5	40.0	39.1	39.1	38.6	38.8	38.3
82.5°	30.4	29.8	29.6	29.2	28.5	28.6	28.1
85°	16.3	15.6	15.4	14.7	14.2	14.7	14.2
87.5°	10.9	11.0	11.0	10.7	10.6	10.7	10.2
90°	26.3	27.7	28.6	29.0	29.5	29.9	30.4
92.5°	25.5	26.9	27.6	27.7	27.8	27.9	28.0
95°	26.3	27.7	28.5	28.7	28.9	29.2	29.4
97.5°	27.2	27.3	27.5	27.7	27.9	28.1	28.4
100°	33.1	29.3	27.5	27.7	27.9	28.1	28.4
102.5°	90.9	49.6	29.0	29.0	29.1	29.1	29.2
105°	322.2	324.2	321.2	313.1	305.0	296.9	288.8
107.5°	397.1	398.1	399.0	399.9	400.7	401.6	402.4
110°	448.2	448.6	449.2	449.9	450.5	451.2	451.9



TEST NUMBER: P332727

CATALOG NUMBER: S124DIW-S350D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	497.6	497.5	497.9	498.8	499.6	500.5	501.3
115°	572.8	573.2	573.5	573.5	573.5	573.5	573.5
117.5°	647.4	647.3	647.2	647.1	647.0	646.9	646.8
120°	694.4	694.8	694.8	694.4	693.9	693.5	693.0
122.5°	740.0	740.3	740.2	739.8	739.3	738.9	738.4
125°	804.5	805.1	805.6	805.8	806.0	806.3	806.5
127.5°	867.3	867.1	867.0	866.8	866.6	866.4	866.3
130°	906.5	906.7	906.8	906.8	906.8	906.8	906.8
132.5°	944.6	944.8	944.8	944.6	944.4	944.3	944.1
135°	997.3	997.8	998.2	998.7	999.1	999.6	1000.0
137.5°	1047.7	1048.2	1048.4	1048.2	1048.1	1048.0	1047.8
140°	1079.0	1079.7	1080.2	1080.4	1080.6	1080.8	1081.1
142.5°	1107.7	1108.2	1108.4	1108.5	1108.5	1108.6	1108.6
145°	1148.6	1148.8	1149.2	1149.6	1150.1	1150.5	1151.0
147.5°	1184.7	1184.9	1185.1	1185.4	1185.6	1185.8	1186.0
150°	1207.7	1207.7	1207.8	1208.0	1208.3	1208.5	1208.7
152.5°	1228.2	1228.6	1228.7	1228.6	1228.4	1228.3	1228.2
155°	1256.0	1256.9	1257.0	1256.3	1255.7	1255.0	1254.3
157.5°	1279.7	1280.9	1280.9	1279.7	1278.5	1277.4	1276.2
160°	1294.8	1296.2	1296.2	1294.8	1293.5	1292.1	1290.8
162.5°	1307.0	1308.3	1308.3	1306.7	1305.2	1303.7	1302.1
165°	1324.6	1326.4	1326.2	1324.2	1322.2	1320.2	1318.1
167.5°	1337.3	1339.2	1339.1	1336.9	1334.6	1332.4	1330.1
170°	1344.8	1346.6	1346.4	1344.1	1341.9	1339.6	1337.4
172.5°	1349.7	1351.5	1351.2	1348.7	1346.3	1343.9	1341.4
175°	1355.6	1357.7	1357.3	1354.6	1351.9	1349.2	1346.5
177.5°	1357.3	1358.8	1358.4	1356.2	1354.1	1351.9	1349.8
180°	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6	1354.6

(END OF REPORT)