

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: P332733-930

Luminaire Tested: **S124DIW-S350D1340U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332733-930
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-S350D1340U930-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.7 lumens
Efficiency: N/A
Efficacy: 121.5 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

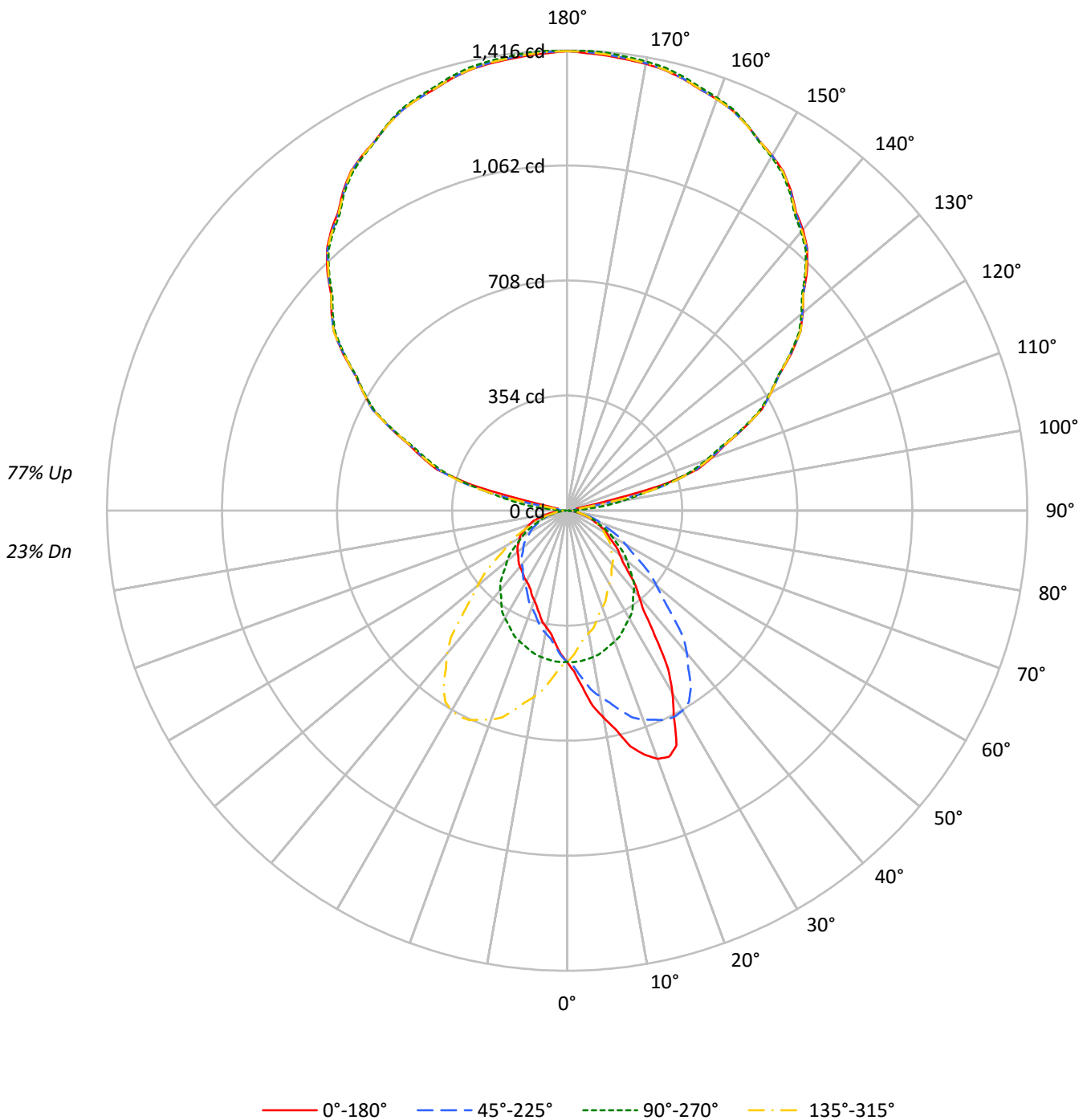
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	50	46	42	39	33	31	29	22	20	19	14
4	70	60	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	40	56	47	41	36	37	32	29	27	24	21	17	16	14	11
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	43	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3760	3760	3760	3760
5°	4428	3770	3327	3770
10°	5302	3754	2995	3754
15°	6273	3716	2751	3716
20°	6985	3677	2533	3677
25°	7098	3619	2382	3619
30°	6040	3566	2335	3566
35°	4644	3476	2335	3476
40°	3620	3371	2380	3371
45°	3017	3214	2419	3214
50°	2656	3022	2501	3022
55°	2434	2792	2601	2792
60°	2280	2585	2722	2585
65°	2122	2355	2823	2355
70°	1940	2127	2887	2127
75°	1734	1871	2854	1871
80°	1450	1534	2762	1534
85°	1074	1112	2640	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	0.8
10°-20°	139.9	2.5
20°-30°	221.8	3.9
30°-40°	246.8	4.4
40°-50°	224.7	4.0
50°-60°	183.6	3.2
60°-70°	131.1	2.3
70°-80°	72.2	1.3
80°-90°	23.8	0.4
90°-100°	48.4	0.9
100°-110°	308.3	5.4
110°-120°	589.8	10.4
120°-130°	748.7	13.2
130°-140°	801.1	14.1
140°-150°	749.1	13.2
150°-160°	604.1	10.7
160°-170°	389.6	6.9
170°-180°	134.3	2.4
0°-30°	407.0	7.2
0°-40°	653.9	11.5
0°-60°	1062.2	18.8
0°-90°	1289.2	22.8
90°-120°	946.5	16.7
90°-150°	3245.5	57.3
90°-180°	4374.0	77.2
0°-180°	5662.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	466	466	466	466	466	
5°	546	465	411	465	546	56
15°	751	445	329	445	751	212
25°	797	406	267	406	797	351
35°	471	353	237	353	471	299
45°	264	282	212	282	264	208
55°	173	198	185	198	173	156
65°	111	123	148	123	111	110
75°	56	60	92	60	56	59
85°	12	12	28	12	12	15
90°	32	3	32	3	32	14
95°	31	58	31	58	31	24
105°	301	318	301	318	301	263
115°	598	594	598	594	598	592
125°	842	835	842	835	842	750
135°	1044	1036	1044	1036	1044	803
145°	1201	1195	1201	1195	1201	751
155°	1309	1310	1309	1310	1309	604
165°	1376	1382	1376	1382	1376	389
175°	1405	1414	1405	1414	1405	134
180°	1414	1414	1414	1414	1414	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	495.7	495.6	494.1	493.7	492.7	491.3	491.0	488.4	483.6	481.2	480.6
5°	546.4	550.3	545.3	544.3	543.7	537.4	534.1	530.3	521.4	516.2	512.1
7.5°	607.0	607.4	605.2	603.5	598.5	593.0	584.7	575.8	565.2	554.2	545.9
10°	646.8	648.3	645.8	645.5	635.6	629.4	617.1	606.7	594.7	581.4	569.2
12.5°	688.8	686.6	685.3	677.1	675.2	664.0	649.6	639.0	620.4	605.1	589.0
15°	750.6	746.3	743.6	732.3	726.7	711.0	695.8	684.0	659.9	636.9	619.5
17.5°	786.8	791.1	784.9	780.2	765.7	754.7	739.2	714.4	695.6	667.1	645.1
20°	813.1	813.5	810.0	805.2	793.9	779.9	763.0	736.0	713.4	685.0	654.8
22.5°	820.2	820.3	818.8	814.3	805.7	794.4	777.3	754.7	727.4	696.6	666.4
25°	796.9	796.1	797.9	802.9	799.6	796.1	786.3	769.5	744.0	711.4	679.0
27.5°	710.3	715.7	725.5	737.8	749.7	758.7	761.2	757.8	742.1	715.3	681.3
30°	647.9	654.5	661.9	674.2	698.1	711.8	726.8	738.3	731.9	710.5	678.8
32.5°	579.4	581.1	591.9	605.9	627.9	654.2	678.1	701.2	708.9	697.7	671.2
35°	471.2	473.9	485.7	499.5	526.4	558.6	594.5	626.6	653.0	663.6	650.0
37.5°	384.5	392.2	400.6	415.5	439.1	468.1	505.4	546.9	586.3	612.7	617.2
40°	343.5	348.3	354.2	365.7	385.7	414.3	446.3	493.7	535.7	573.5	585.8
42.5°	311.0	313.9	317.6	327.8	343.1	371.5	400.8	442.5	484.5	529.8	550.5
45°	264.3	267.3	273.5	279.4	291.0	310.6	337.9	372.2	414.5	458.0	496.3
47.5°	230.6	232.4	236.1	242.6	252.4	265.4	287.5	316.2	355.3	397.7	438.4
50°	211.5	213.0	215.9	221.7	229.3	240.8	258.9	285.8	316.4	359.1	399.0
52.5°	196.3	197.0	199.1	203.0	209.0	218.7	233.7	255.8	284.4	322.4	362.2
55°	172.9	173.7	175.6	178.5	183.7	189.9	201.2	217.8	242.7	275.7	310.3
57.5°	153.6	154.2	155.7	156.9	161.2	166.2	175.0	186.8	205.6	233.7	264.5
60°	141.2	140.9	142.8	143.7	146.7	150.9	157.7	169.0	185.4	208.0	236.4
62.5°	129.2	128.7	130.3	131.6	133.2	136.8	142.4	151.2	164.6	185.0	209.5
65°	111.1	110.4	111.4	112.9	114.4	116.3	120.4	128.3	138.9	153.6	172.3
67.5°	93.0	93.8	94.0	94.7	95.6	98.2	101.0	106.6	114.1	125.9	141.7
70°	82.2	82.4	83.2	83.2	83.7	86.1	88.4	91.6	99.0	109.8	122.7
72.5°	71.4	72.2	71.9	72.5	73.0	74.5	76.1	79.3	85.5	93.6	104.5
75°	55.6	56.2	56.2	56.3	56.9	57.5	58.9	61.1	65.6	71.6	79.1
77.5°	40.5	40.6	40.8	41.6	41.6	42.5	43.5	45.3	47.5	51.6	56.3
80°	31.2	31.6	31.5	31.9	31.9	32.6	33.0	35.3	36.3	39.0	42.6
82.5°	22.9	23.3	23.2	23.8	24.1	24.3	24.8	25.8	26.7	29.1	30.6
85°	11.6	12.0	11.6	12.0	12.6	12.7	13.3	13.5	14.3	14.8	16.2
87.5°	9.7	10.1	10.0	10.1	10.3	10.3	10.1	9.7	10.0	9.9	10.1
90°	31.7	31.2	30.8	30.3	29.8	28.9	27.5	26.1	24.7	23.2	21.4
92.5°	29.2	29.1	29.0	28.9	28.8	28.0	26.7	25.3	23.8	22.4	20.5
95°	30.7	30.4	30.2	29.9	29.8	28.9	27.5	26.1	24.7	23.2	23.0
97.5°	29.6	29.4	29.1	28.9	28.7	28.5	28.4	28.2	28.0	27.9	54.1
100°	29.6	29.4	29.1	28.9	28.7	30.6	34.6	38.6	42.6	46.6	78.9
102.5°	30.5	30.4	30.3	30.3	30.2	51.8	94.9	138.0	181.1	224.2	228.4
105°	301.4	309.8	318.3	326.8	335.3	338.4	336.3	334.2	332.1	330.0	328.7
107.5°	420.0	419.1	418.2	417.4	416.5	415.5	414.5	413.4	412.4	411.4	409.8
110°	471.7	470.9	470.3	469.5	468.8	468.2	467.7	467.3	466.8	466.4	465.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	523.3	522.4	521.5	520.6	519.7	519.3	519.3	519.4	519.6	519.7	519.0
115°	598.5	598.5	598.5	598.5	598.5	598.3	597.9	597.4	596.9	596.4	596.6
117.5°	675.1	675.2	675.3	675.4	675.5	675.6	675.6	675.7	675.9	676.0	675.4
120°	723.3	723.8	724.2	724.7	725.2	725.2	724.7	724.2	723.8	723.3	723.6
122.5°	770.7	771.2	771.6	772.1	772.6	772.7	772.4	772.1	771.8	771.5	771.2
125°	841.8	841.6	841.3	841.1	840.8	840.3	839.7	838.9	838.2	837.6	838.0
127.5°	904.2	904.3	904.5	904.7	904.9	905.1	905.2	905.4	905.5	905.6	904.6
130°	946.5	946.5	946.5	946.5	946.5	946.3	946.1	945.8	945.7	945.4	944.7
132.5°	985.4	985.5	985.8	985.9	986.1	986.1	985.9	985.6	985.4	985.1	984.2
135°	1043.7	1043.3	1042.8	1042.4	1041.9	1041.4	1040.9	1040.5	1040.0	1039.5	1038.6
137.5°	1093.6	1093.8	1094.0	1094.1	1094.2	1094.1	1093.5	1093.0	1092.5	1091.9	1091.0
140°	1128.4	1128.1	1127.9	1127.6	1127.4	1126.9	1126.3	1125.5	1124.8	1124.1	1123.6
142.5°	1157.1	1157.1	1157.0	1157.0	1156.9	1156.7	1156.1	1155.6	1155.1	1154.5	1154.3
145°	1201.3	1200.9	1200.4	1199.9	1199.5	1199.1	1198.8	1198.6	1198.4	1198.2	1198.2
147.5°	1237.9	1237.6	1237.5	1237.2	1237.0	1236.7	1236.6	1236.4	1236.2	1236.0	1236.2
150°	1261.6	1261.3	1261.1	1260.9	1260.6	1260.5	1260.5	1260.5	1260.5	1260.5	1260.8
152.5°	1281.9	1282.1	1282.1	1282.3	1282.5	1282.3	1282.0	1281.6	1281.2	1280.8	1281.2
155°	1309.2	1309.9	1310.6	1311.3	1312.0	1311.9	1310.9	1310.0	1309.0	1308.1	1308.8
157.5°	1332.0	1333.3	1334.5	1335.7	1336.9	1336.9	1335.7	1334.5	1333.3	1332.0	1332.9
160°	1347.3	1348.7	1350.1	1351.4	1352.9	1352.9	1351.4	1350.1	1348.7	1347.3	1347.4
162.5°	1359.1	1360.7	1362.3	1363.9	1365.5	1365.5	1364.2	1362.8	1361.3	1359.9	1360.2
165°	1375.8	1377.9	1380.1	1382.2	1384.2	1384.4	1382.5	1380.6	1378.8	1376.9	1376.9
167.5°	1388.3	1390.7	1392.9	1395.3	1397.7	1397.8	1395.7	1393.7	1391.6	1389.5	1389.7
170°	1395.9	1398.2	1400.6	1403.0	1405.2	1405.5	1403.6	1401.7	1399.9	1398.0	1397.7
172.5°	1400.1	1402.6	1405.2	1407.7	1410.3	1410.6	1408.8	1406.8	1404.9	1403.0	1402.8
175°	1405.4	1408.2	1411.0	1413.9	1416.7	1417.1	1415.0	1412.8	1410.7	1408.6	1408.3
177.5°	1408.8	1411.0	1413.3	1415.5	1417.8	1418.2	1416.7	1415.2	1413.6	1412.2	1411.8
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	480.8	478.6	477.0	475.8	472.5	470.4	468.9	466.8	464.2	461.6	458.4
5°	508.0	501.5	496.7	489.3	482.4	476.6	470.6	465.2	458.7	451.5	446.3
7.5°	536.7	526.9	514.5	503.6	491.4	480.8	471.3	461.6	451.5	441.6	432.7
10°	555.0	542.4	528.5	512.1	496.7	483.0	470.3	457.9	445.9	434.0	423.7
12.5°	574.5	558.9	538.3	519.2	501.9	483.6	468.2	453.1	438.6	426.1	414.2
15°	600.9	578.3	554.6	528.9	506.1	484.7	463.7	444.6	428.4	411.7	400.1
17.5°	617.0	589.1	562.0	535.2	507.6	480.5	457.9	435.9	415.6	399.1	384.5
20°	627.7	599.9	566.1	539.3	506.5	478.7	452.5	428.0	406.8	389.2	374.1
22.5°	636.9	604.9	571.0	535.7	503.1	473.6	444.9	420.3	398.6	380.1	365.7
25°	642.0	605.1	568.4	533.3	496.3	461.4	435.3	406.3	383.2	363.7	348.3
27.5°	642.5	603.1	561.6	522.6	484.4	451.8	419.0	393.1	369.1	348.5	333.6
30°	640.8	599.7	555.1	512.9	474.5	439.2	410.6	382.5	357.9	337.5	322.0
32.5°	635.4	592.6	546.8	502.1	462.3	427.7	398.3	371.5	347.6	327.4	311.2
35°	619.8	577.5	528.7	482.2	441.5	406.6	379.9	352.7	328.8	309.7	294.1
37.5°	595.3	557.2	507.5	459.4	419.4	384.3	357.9	333.4	311.8	292.4	276.4
40°	574.1	540.5	490.6	443.8	400.6	367.2	342.5	319.9	298.5	280.1	264.9
42.5°	549.5	520.2	474.3	424.7	382.9	349.4	325.4	305.1	284.9	268.0	252.7
45°	505.7	486.4	443.2	397.3	353.8	322.2	299.3	281.5	264.6	247.9	235.2
47.5°	455.4	445.8	409.4	365.8	324.7	293.4	273.5	257.1	242.2	228.2	217.0
50°	421.6	416.9	385.6	343.5	304.1	274.8	254.7	240.6	227.9	215.6	204.9
52.5°	388.2	388.1	359.7	321.2	284.8	256.6	236.6	223.5	212.5	202.4	192.9
55°	337.3	342.7	320.5	286.2	253.6	228.0	210.1	198.4	190.6	182.4	175.2
57.5°	290.5	299.5	281.1	250.9	223.6	200.2	184.6	175.8	167.5	162.5	157.3
60°	259.9	268.4	254.1	228.7	203.0	183.0	168.0	160.1	153.0	149.5	145.9
62.5°	232.8	240.3	229.8	206.1	183.8	164.5	152.0	144.4	139.6	135.8	133.4
65°	194.0	200.3	191.2	174.1	154.9	139.5	129.3	123.3	118.7	117.2	114.4
67.5°	156.8	162.6	157.7	143.1	127.8	116.0	108.0	102.3	99.5	98.2	96.3
70°	134.7	140.5	135.3	122.5	110.7	100.9	93.4	90.1	87.2	86.7	84.0
72.5°	116.0	119.9	114.7	104.8	94.7	86.4	80.6	77.1	75.7	74.6	73.1
75°	87.0	90.5	87.0	79.3	72.2	66.4	61.4	60.0	58.3	57.7	56.7
77.5°	61.6	64.6	62.0	57.2	51.8	47.3	44.6	42.9	42.5	41.5	42.0
80°	47.0	49.0	46.5	43.2	39.0	35.9	34.0	33.0	31.9	31.5	32.2
82.5°	33.8	34.7	33.3	31.1	28.0	26.0	24.7	23.6	23.3	23.4	23.4
85°	17.5	17.4	17.2	15.2	14.3	13.0	12.1	12.0	11.7	12.1	12.6
87.5°	9.8	9.5	9.0	8.0	6.9	6.0	5.3	4.6	5.3	6.0	6.7
90°	19.5	17.6	15.7	13.5	10.9	8.3	5.8	3.2	5.8	8.3	10.9
92.5°	18.7	16.8	14.9	13.9	13.8	13.6	13.5	13.3	13.5	13.6	13.8
95°	22.8	22.6	22.3	26.2	34.2	42.2	50.1	58.1	50.1	42.2	34.2
97.5°	80.4	106.6	132.8	143.4	138.4	133.5	128.5	123.5	128.5	133.5	138.4
100°	111.4	143.8	176.3	190.4	186.1	181.9	177.7	173.4	177.7	181.9	186.1
102.5°	232.7	236.8	241.1	241.7	238.6	235.5	232.4	229.3	232.4	235.5	238.6
105°	327.6	326.4	325.2	323.9	322.5	321.1	319.7	318.3	319.7	321.1	322.5
107.5°	408.1	406.6	405.0	403.8	403.1	402.4	401.7	401.0	401.7	402.4	403.1
110°	463.5	462.1	460.7	459.7	458.9	458.3	457.5	456.8	457.5	458.3	458.9



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	518.4	517.7	517.0	516.1	514.8	513.6	512.3	510.9	512.3	513.6	514.8
115°	596.9	597.1	597.4	597.1	596.4	595.7	595.0	594.3	595.0	595.7	596.4
117.5°	674.9	674.4	673.8	673.1	672.2	671.2	670.3	669.4	670.3	671.2	672.2
120°	723.8	724.1	724.2	723.9	723.0	722.0	721.1	720.2	721.1	722.0	723.0
122.5°	770.9	770.5	770.2	769.8	769.2	768.7	768.1	767.5	768.1	768.7	769.2
125°	838.5	838.9	839.4	839.2	838.2	837.3	836.3	835.4	836.3	837.3	838.2
127.5°	903.4	902.4	901.3	900.7	900.4	900.2	899.9	899.7	899.9	900.2	900.4
130°	944.0	943.3	942.6	942.1	941.8	941.7	941.4	941.2	941.4	941.7	941.8
132.5°	983.3	982.5	981.6	980.9	980.5	980.1	979.7	979.3	979.7	980.1	980.5
135°	1037.6	1036.7	1035.8	1035.4	1035.7	1035.8	1036.1	1036.3	1036.1	1035.8	1035.7
137.5°	1089.9	1088.8	1087.9	1087.3	1087.2	1087.0	1087.0	1086.9	1087.0	1087.0	1087.2
140°	1123.2	1122.7	1122.3	1121.8	1121.3	1120.8	1120.4	1119.9	1120.4	1120.8	1121.3
142.5°	1154.0	1153.7	1153.4	1152.9	1152.0	1151.2	1150.3	1149.5	1150.3	1151.2	1152.0
145°	1198.2	1198.2	1198.2	1197.8	1197.1	1196.4	1195.6	1195.0	1195.6	1196.4	1197.1
147.5°	1236.5	1236.7	1237.0	1236.4	1235.1	1233.8	1232.4	1231.1	1232.4	1233.8	1235.1
150°	1261.0	1261.3	1261.4	1261.1	1260.2	1259.2	1258.3	1257.4	1258.3	1259.2	1260.2
152.5°	1281.7	1282.1	1282.5	1282.4	1281.6	1280.8	1280.1	1279.4	1280.1	1280.8	1281.6
155°	1309.5	1310.3	1310.9	1311.2	1310.9	1310.7	1310.4	1310.3	1310.4	1310.7	1310.9
157.5°	1333.6	1334.4	1335.2	1335.7	1335.8	1335.9	1336.1	1336.3	1336.1	1335.9	1335.8
160°	1347.7	1347.9	1348.2	1348.7	1349.3	1350.1	1350.8	1351.4	1350.8	1350.1	1349.3
162.5°	1360.4	1360.7	1360.9	1361.5	1362.4	1363.3	1364.1	1365.0	1364.1	1363.3	1362.4
165°	1376.9	1376.9	1376.9	1377.4	1378.6	1379.8	1381.0	1382.2	1381.0	1379.8	1378.6
167.5°	1389.8	1390.0	1390.1	1390.8	1392.0	1393.3	1394.5	1395.7	1394.5	1393.3	1392.0
170°	1397.5	1397.3	1397.1	1397.7	1399.1	1400.4	1401.9	1403.3	1401.9	1400.4	1399.1
172.5°	1402.6	1402.4	1402.2	1402.7	1404.1	1405.6	1407.0	1408.3	1407.0	1405.6	1404.1
175°	1408.1	1407.9	1407.6	1408.2	1409.7	1411.0	1412.4	1413.9	1412.4	1411.0	1409.7
177.5°	1411.4	1411.0	1410.6	1411.1	1412.4	1413.7	1415.1	1416.4	1415.1	1413.7	1412.4
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	456.8	455.4	453.5	450.7	448.3	445.9	445.2	444.3	446.2	444.7	444.2
5°	441.9	437.8	432.6	426.6	423.1	418.2	417.2	415.2	413.3	413.1	411.2
7.5°	426.0	420.0	413.2	407.2	401.5	396.0	392.4	391.7	388.8	387.1	385.2
10°	415.8	408.5	400.6	394.8	388.2	382.5	378.4	376.1	374.1	372.0	370.1
12.5°	403.8	396.0	389.5	383.2	375.4	371.0	364.4	360.4	360.0	360.0	355.0
15°	389.8	382.0	372.0	363.1	358.9	350.4	346.7	342.1	339.2	336.3	334.0
17.5°	373.7	364.1	356.3	346.1	338.0	331.3	326.4	323.7	319.3	315.2	312.3
20°	363.7	353.5	345.2	334.4	325.5	317.2	313.2	309.3	306.1	302.6	299.3
22.5°	353.5	342.8	332.7	322.2	314.0	305.2	301.3	296.0	292.9	291.0	287.7
25°	337.5	325.9	314.3	304.3	295.8	288.0	282.9	278.8	275.3	273.8	271.7
27.5°	320.0	308.5	297.3	285.9	276.3	270.7	266.5	263.5	261.5	259.4	258.4
30°	308.9	296.9	285.0	274.3	265.5	259.9	256.1	254.0	252.4	251.4	250.5
32.5°	297.7	285.8	273.3	263.6	255.6	250.6	247.7	245.6	244.8	244.5	244.1
35°	279.6	267.7	256.1	247.4	239.9	237.9	235.4	234.2	233.8	235.2	235.8
37.5°	262.1	251.0	240.4	232.0	227.0	224.2	223.3	223.4	224.8	225.9	227.3
40°	250.9	240.0	230.0	222.7	218.0	216.3	215.9	216.9	218.4	219.8	221.4
42.5°	239.9	229.3	220.1	213.3	210.0	208.4	208.6	209.6	211.8	213.4	215.7
45°	222.9	214.0	205.1	199.5	196.8	197.2	197.2	198.9	201.1	203.6	206.1
47.5°	206.8	197.9	190.6	185.9	184.5	184.2	185.2	187.5	190.5	193.6	197.1
50°	196.1	187.5	181.2	176.9	175.4	175.9	177.5	179.6	183.3	187.2	190.9
52.5°	185.1	177.3	171.5	167.5	166.4	167.5	169.0	172.4	175.6	179.8	184.2
55°	168.0	161.5	156.9	154.0	153.6	154.2	155.9	159.6	164.2	169.4	173.7
57.5°	151.2	145.6	141.4	139.4	139.6	140.1	143.0	147.3	152.3	157.8	163.3
60°	139.7	134.7	131.2	129.6	129.9	131.0	134.5	138.5	144.7	150.1	155.9
62.5°	128.9	124.5	121.2	119.8	119.5	122.1	125.4	129.6	135.7	141.8	148.1
65°	111.5	108.0	105.3	104.6	105.2	107.1	111.4	116.9	122.1	128.5	135.1
67.5°	94.6	91.7	89.8	90.2	90.9	93.8	97.3	102.1	108.0	114.6	121.1
70°	83.7	81.0	79.5	79.7	80.9	84.3	87.4	92.2	98.6	105.3	110.7
72.5°	72.6	70.8	69.5	70.3	71.4	73.8	77.7	82.5	88.1	94.4	100.1
75°	55.8	55.8	55.0	55.6	57.3	59.6	62.5	67.5	73.1	78.2	82.8
77.5°	41.3	40.9	41.4	42.2	43.1	45.9	49.2	52.8	57.0	62.0	65.9
80°	31.6	31.9	32.8	34.0	34.3	36.4	39.9	43.2	46.5	50.7	54.4
82.5°	23.8	24.0	24.5	25.9	26.3	28.6	30.8	34.1	37.1	39.9	43.0
85°	13.0	13.0	13.9	14.5	15.4	17.0	18.3	20.3	23.0	24.9	27.8
87.5°	7.7	8.1	9.0	9.8	10.6	11.7	12.3	14.3	15.2	16.3	17.9
90°	13.5	15.7	17.6	19.5	21.4	23.2	24.7	26.1	27.5	28.9	29.8
92.5°	13.9	14.9	16.8	18.7	20.5	22.4	23.8	25.3	26.7	28.0	28.8
95°	26.2	22.3	22.6	22.8	23.0	23.2	24.7	26.1	27.5	28.9	29.8
97.5°	143.4	132.8	106.6	80.4	54.1	27.9	28.0	28.2	28.4	28.5	28.7
100°	190.4	176.3	143.8	111.4	78.9	46.6	42.6	38.6	34.6	30.6	28.7
102.5°	241.7	241.1	236.8	232.7	228.4	224.2	181.1	138.0	94.9	51.8	30.2
105°	323.9	325.2	326.4	327.6	328.7	330.0	332.1	334.2	336.3	338.4	335.3
107.5°	403.8	405.0	406.6	408.1	409.8	411.4	412.4	413.4	414.5	415.5	416.5
110°	459.7	460.7	462.1	463.5	465.0	466.4	466.8	467.3	467.7	468.2	468.8



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	516.1	517.0	517.7	518.4	519.0	519.7	519.6	519.4	519.3	519.3	519.7
115°	597.1	597.4	597.1	596.9	596.6	596.4	596.9	597.4	597.9	598.3	598.5
117.5°	673.1	673.8	674.4	674.9	675.4	676.0	675.9	675.7	675.6	675.6	675.5
120°	723.9	724.2	724.1	723.8	723.6	723.3	723.8	724.2	724.7	725.2	725.2
122.5°	769.8	770.2	770.5	770.9	771.2	771.5	771.8	772.1	772.4	772.7	772.6
125°	839.2	839.4	838.9	838.5	838.0	837.6	838.2	838.9	839.7	840.3	840.8
127.5°	900.7	901.3	902.4	903.4	904.6	905.6	905.5	905.4	905.2	905.1	904.9
130°	942.1	942.6	943.3	944.0	944.7	945.4	945.7	945.8	946.1	946.3	946.5
132.5°	980.9	981.6	982.5	983.3	984.2	985.1	985.4	985.6	985.9	986.1	986.1
135°	1035.4	1035.8	1036.7	1037.6	1038.6	1039.5	1040.0	1040.5	1040.9	1041.4	1041.9
137.5°	1087.3	1087.9	1088.8	1089.9	1091.0	1091.9	1092.5	1093.0	1093.5	1094.1	1094.2
140°	1121.8	1122.3	1122.7	1123.2	1123.6	1124.1	1124.8	1125.5	1126.3	1126.9	1127.4
142.5°	1152.9	1153.4	1153.7	1154.0	1154.3	1154.5	1155.1	1155.6	1156.1	1156.7	1156.9
145°	1197.8	1198.2	1198.2	1198.2	1198.2	1198.2	1198.4	1198.6	1198.8	1199.1	1199.5
147.5°	1236.4	1237.0	1236.7	1236.5	1236.2	1236.0	1236.2	1236.4	1236.6	1236.7	1237.0
150°	1261.1	1261.4	1261.3	1261.0	1260.8	1260.5	1260.5	1260.5	1260.5	1260.5	1260.6
152.5°	1282.4	1282.5	1282.1	1281.7	1281.2	1280.8	1281.2	1281.6	1282.0	1282.3	1282.5
155°	1311.2	1310.9	1310.3	1309.5	1308.8	1308.1	1309.0	1310.0	1310.9	1311.9	1312.0
157.5°	1335.7	1335.2	1334.4	1333.6	1332.9	1332.0	1333.3	1334.5	1335.7	1336.9	1336.9
160°	1348.7	1348.2	1347.9	1347.7	1347.4	1347.3	1348.7	1350.1	1351.4	1352.9	1352.9
162.5°	1361.5	1360.9	1360.7	1360.4	1360.2	1359.9	1361.3	1362.8	1364.2	1365.5	1365.5
165°	1377.4	1376.9	1376.9	1376.9	1376.9	1376.9	1378.8	1380.6	1382.5	1384.4	1384.2
167.5°	1390.8	1390.1	1390.0	1389.8	1389.7	1389.5	1391.6	1393.7	1395.7	1397.8	1397.7
170°	1397.7	1397.1	1397.3	1397.5	1397.7	1398.0	1399.9	1401.7	1403.6	1405.5	1405.2
172.5°	1402.7	1402.2	1402.4	1402.6	1402.8	1403.0	1404.9	1406.8	1408.8	1410.6	1410.3
175°	1408.2	1407.6	1407.9	1408.1	1408.3	1408.6	1410.7	1412.8	1415.0	1417.1	1416.7
177.5°	1411.1	1410.6	1411.0	1411.4	1411.8	1412.2	1413.6	1415.2	1416.7	1418.2	1417.8
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



TEST NUMBER: P332733-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	443.8	443.6	442.5	442.3	442.5	443.6	443.8	444.2	444.7	446.2	444.3
5°	410.0	409.0	408.5	410.6	408.5	409.0	410.0	411.2	413.1	413.3	415.2
7.5°	384.5	383.8	382.0	381.5	382.0	383.8	384.5	385.2	387.1	388.8	391.7
10°	368.2	367.4	365.8	365.4	365.8	367.4	368.2	370.1	372.0	374.1	376.1
12.5°	352.4	350.9	350.6	351.0	350.6	350.9	352.4	355.0	360.0	360.0	360.4
15°	331.5	330.7	328.6	329.2	328.6	330.7	331.5	334.0	336.3	339.2	342.1
17.5°	310.9	310.0	307.4	309.7	307.4	310.0	310.9	312.3	315.2	319.3	323.7
20°	297.9	296.4	295.1	294.8	295.1	296.4	297.9	299.3	302.6	306.1	309.3
22.5°	285.6	284.2	284.1	282.8	284.1	284.2	285.6	287.7	291.0	292.9	296.0
25°	270.1	268.8	268.4	267.4	268.4	268.8	270.1	271.7	273.8	275.3	278.8
27.5°	258.3	257.6	256.9	257.2	256.9	257.6	258.3	258.4	259.4	261.5	263.5
30°	251.0	250.9	250.5	250.5	250.5	250.9	251.0	250.5	251.4	252.4	254.0
32.5°	245.0	245.0	245.2	245.2	245.2	245.0	245.0	244.1	244.5	244.8	245.6
35°	236.6	237.2	237.5	236.9	237.5	237.2	236.6	235.8	235.2	233.8	234.2
37.5°	228.9	229.5	230.1	230.7	230.1	229.5	228.9	227.3	225.9	224.8	223.4
40°	223.1	224.4	224.8	225.8	224.8	224.4	223.1	221.4	219.8	218.4	216.9
42.5°	217.5	219.0	220.0	220.2	220.0	219.0	217.5	215.7	213.4	211.8	209.6
45°	209.0	210.5	211.9	211.9	211.9	210.5	209.0	206.1	203.6	201.1	198.9
47.5°	200.2	202.4	203.7	204.1	203.7	202.4	200.2	197.1	193.6	190.5	187.5
50°	194.1	196.8	198.2	199.1	198.2	196.8	194.1	190.9	187.2	183.3	179.6
52.5°	188.3	190.9	192.7	193.2	192.7	190.9	188.3	184.2	179.8	175.6	172.4
55°	178.1	182.0	184.1	184.8	184.1	182.0	178.1	173.7	169.4	164.2	159.6
57.5°	168.5	172.1	174.6	175.1	174.6	172.1	168.5	163.3	157.8	152.3	147.3
60°	161.1	165.0	168.0	168.6	168.0	165.0	161.1	155.9	150.1	144.7	138.5
62.5°	153.5	157.6	160.4	161.8	160.4	157.6	153.5	148.1	141.8	135.7	129.6
65°	140.5	144.6	147.2	147.8	147.2	144.6	140.5	135.1	128.5	122.1	116.9
67.5°	126.2	130.3	132.0	133.1	132.0	130.3	126.2	121.1	114.6	108.0	102.1
70°	116.2	119.4	121.4	122.3	121.4	119.4	116.2	110.7	105.3	98.6	92.2
72.5°	104.8	108.2	110.4	110.6	110.4	108.2	104.8	100.1	94.4	88.1	82.5
75°	87.2	90.3	91.5	91.5	91.5	90.3	87.2	82.8	78.2	73.1	67.5
77.5°	69.1	70.6	72.1	72.4	72.1	70.6	69.1	65.9	62.0	57.0	52.8
80°	57.3	58.3	59.4	59.4	59.4	58.3	57.3	54.4	50.7	46.5	43.2
82.5°	45.2	46.1	47.2	47.0	47.2	46.1	45.2	43.0	39.9	37.1	34.1
85°	27.4	29.1	28.9	28.5	28.9	29.1	27.4	27.8	24.9	23.0	20.3
87.5°	18.4	18.7	19.2	19.6	19.2	18.7	18.4	17.9	16.3	15.2	14.3
90°	30.3	30.8	31.2	31.7	31.2	30.8	30.3	29.8	28.9	27.5	26.1
92.5°	28.9	29.0	29.1	29.2	29.1	29.0	28.9	28.8	28.0	26.7	25.3
95°	29.9	30.2	30.4	30.7	30.4	30.2	29.9	29.8	28.9	27.5	26.1
97.5°	28.9	29.1	29.4	29.6	29.4	29.1	28.9	28.7	28.5	28.4	28.2
100°	28.9	29.1	29.4	29.6	29.4	29.1	28.9	28.7	30.6	34.6	38.6
102.5°	30.3	30.3	30.4	30.5	30.4	30.3	30.3	30.2	51.8	94.9	138.0
105°	326.8	318.3	309.8	301.4	309.8	318.3	326.8	335.3	338.4	336.3	334.2
107.5°	417.4	418.2	419.1	420.0	419.1	418.2	417.4	416.5	415.5	414.5	413.4
110°	469.5	470.3	470.9	471.7	470.9	470.3	469.5	468.8	468.2	467.7	467.3



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	520.6	521.5	522.4	523.3	522.4	521.5	520.6	519.7	519.3	519.3	519.4
115°	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.3	597.9	597.4
117.5°	675.4	675.3	675.2	675.1	675.2	675.3	675.4	675.5	675.6	675.6	675.7
120°	724.7	724.2	723.8	723.3	723.8	724.2	724.7	725.2	725.2	724.7	724.2
122.5°	772.1	771.6	771.2	770.7	771.2	771.6	772.1	772.6	772.7	772.4	772.1
125°	841.1	841.3	841.6	841.8	841.6	841.3	841.1	840.8	840.3	839.7	838.9
127.5°	904.7	904.5	904.3	904.2	904.3	904.5	904.7	904.9	905.1	905.2	905.4
130°	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.3	946.1	945.8
132.5°	985.9	985.8	985.5	985.4	985.5	985.8	985.9	986.1	986.1	985.9	985.6
135°	1042.4	1042.8	1043.3	1043.7	1043.3	1042.8	1042.4	1041.9	1041.4	1040.9	1040.5
137.5°	1094.1	1094.0	1093.8	1093.6	1093.8	1094.0	1094.1	1094.2	1094.1	1093.5	1093.0
140°	1127.6	1127.9	1128.1	1128.4	1128.1	1127.9	1127.6	1127.4	1126.9	1126.3	1125.5
142.5°	1157.0	1157.0	1157.1	1157.1	1157.1	1157.0	1157.0	1156.9	1156.7	1156.1	1155.6
145°	1199.9	1200.4	1200.9	1201.3	1200.9	1200.4	1199.9	1199.5	1199.1	1198.8	1198.6
147.5°	1237.2	1237.5	1237.6	1237.9	1237.6	1237.5	1237.2	1237.0	1236.7	1236.6	1236.4
150°	1260.9	1261.1	1261.3	1261.6	1261.3	1261.1	1260.9	1260.6	1260.5	1260.5	1260.5
152.5°	1282.3	1282.1	1282.1	1281.9	1282.1	1282.1	1282.3	1282.5	1282.3	1282.0	1281.6
155°	1311.3	1310.6	1309.9	1309.2	1309.9	1310.6	1311.3	1312.0	1311.9	1310.9	1310.0
157.5°	1335.7	1334.5	1333.3	1332.0	1333.3	1334.5	1335.7	1336.9	1336.9	1335.7	1334.5
160°	1351.4	1350.1	1348.7	1347.3	1348.7	1350.1	1351.4	1352.9	1352.9	1351.4	1350.1
162.5°	1363.9	1362.3	1360.7	1359.1	1360.7	1362.3	1363.9	1365.5	1365.5	1364.2	1362.8
165°	1382.2	1380.1	1377.9	1375.8	1377.9	1380.1	1382.2	1384.2	1384.4	1382.5	1380.6
167.5°	1395.3	1392.9	1390.7	1388.3	1390.7	1392.9	1395.3	1397.7	1397.8	1395.7	1393.7
170°	1403.0	1400.6	1398.2	1395.9	1398.2	1400.6	1403.0	1405.2	1405.5	1403.6	1401.7
172.5°	1407.7	1405.2	1402.6	1400.1	1402.6	1405.2	1407.7	1410.3	1410.6	1408.8	1406.8
175°	1413.9	1411.0	1408.2	1405.4	1408.2	1411.0	1413.9	1416.7	1417.1	1415.0	1412.8
177.5°	1415.5	1413.3	1411.0	1408.8	1411.0	1413.3	1415.5	1417.8	1418.2	1416.7	1415.2
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	445.2	445.9	448.3	450.7	453.5	455.4	456.8	458.4	461.6	464.2	466.8
5°	417.2	418.2	423.1	426.6	432.6	437.8	441.9	446.3	451.5	458.7	465.2
7.5°	392.4	396.0	401.5	407.2	413.2	420.0	426.0	432.7	441.6	451.5	461.6
10°	378.4	382.5	388.2	394.8	400.6	408.5	415.8	423.7	434.0	445.9	457.9
12.5°	364.4	371.0	375.4	383.2	389.5	396.0	403.8	414.2	426.1	438.6	453.1
15°	346.7	350.4	358.9	363.1	372.0	382.0	389.8	400.1	411.7	428.4	444.6
17.5°	326.4	331.3	338.0	346.1	356.3	364.1	373.7	384.5	399.1	415.6	435.9
20°	313.2	317.2	325.5	334.4	345.2	353.5	363.7	374.1	389.2	406.8	428.0
22.5°	301.3	305.2	314.0	322.2	332.7	342.8	353.5	365.7	380.1	398.6	420.3
25°	282.9	288.0	295.8	304.3	314.3	325.9	337.5	348.3	363.7	383.2	406.3
27.5°	266.5	270.7	276.3	285.9	297.3	308.5	320.0	333.6	348.5	369.1	393.1
30°	256.1	259.9	265.5	274.3	285.0	296.9	308.9	322.0	337.5	357.9	382.5
32.5°	247.7	250.6	255.6	263.6	273.3	285.8	297.7	311.2	327.4	347.6	371.5
35°	235.4	237.9	239.9	247.4	256.1	267.7	279.6	294.1	309.7	328.8	352.7
37.5°	223.3	224.2	227.0	232.0	240.4	251.0	262.1	276.4	292.4	311.8	333.4
40°	215.9	216.3	218.0	222.7	230.0	240.0	250.9	264.9	280.1	298.5	319.9
42.5°	208.6	208.4	210.0	213.3	220.1	229.3	239.9	252.7	268.0	284.9	305.1
45°	197.2	197.2	196.8	199.5	205.1	214.0	222.9	235.2	247.9	264.6	281.5
47.5°	185.2	184.2	184.5	185.9	190.6	197.9	206.8	217.0	228.2	242.2	257.1
50°	177.5	175.9	175.4	176.9	181.2	187.5	196.1	204.9	215.6	227.9	240.6
52.5°	169.0	167.5	166.4	167.5	171.5	177.3	185.1	192.9	202.4	212.5	223.5
55°	155.9	154.2	153.6	154.0	156.9	161.5	168.0	175.2	182.4	190.6	198.4
57.5°	143.0	140.1	139.6	139.4	141.4	145.6	151.2	157.3	162.5	167.5	175.8
60°	134.5	131.0	129.9	129.6	131.2	134.7	139.7	145.9	149.5	153.0	160.1
62.5°	125.4	122.1	119.5	119.8	121.2	124.5	128.9	133.4	135.8	139.6	144.4
65°	111.4	107.1	105.2	104.6	105.3	108.0	111.5	114.4	117.2	118.7	123.3
67.5°	97.3	93.8	90.9	90.2	89.8	91.7	94.6	96.3	98.2	99.5	102.3
70°	87.4	84.3	80.9	79.7	79.5	81.0	83.7	84.0	86.7	87.2	90.1
72.5°	77.7	73.8	71.4	70.3	69.5	70.8	72.6	73.1	74.6	75.7	77.1
75°	62.5	59.6	57.3	55.6	55.0	55.8	55.8	56.7	57.7	58.3	60.0
77.5°	49.2	45.9	43.1	42.2	41.4	40.9	41.3	42.0	41.5	42.5	42.9
80°	39.9	36.4	34.3	34.0	32.8	31.9	31.6	32.2	31.5	31.9	33.0
82.5°	30.8	28.6	26.3	25.9	24.5	24.0	23.8	23.4	23.4	23.3	23.6
85°	18.3	17.0	15.4	14.5	13.9	13.0	13.0	12.6	12.1	11.7	12.0
87.5°	12.3	11.7	10.6	9.8	9.0	8.1	7.7	6.7	6.0	5.3	4.6
90°	24.7	23.2	21.4	19.5	17.6	15.7	13.5	10.9	8.3	5.8	3.2
92.5°	23.8	22.4	20.5	18.7	16.8	14.9	13.9	13.8	13.6	13.5	13.3
95°	24.7	23.2	23.0	22.8	22.6	22.3	26.2	34.2	42.2	50.1	58.1
97.5°	28.0	27.9	54.1	80.4	106.6	132.8	143.4	138.4	133.5	128.5	123.5
100°	42.6	46.6	78.9	111.4	143.8	176.3	190.4	186.1	181.9	177.7	173.4
102.5°	181.1	224.2	228.4	232.7	236.8	241.1	241.7	238.6	235.5	232.4	229.3
105°	332.1	330.0	328.7	327.6	326.4	325.2	323.9	322.5	321.1	319.7	318.3
107.5°	412.4	411.4	409.8	408.1	406.6	405.0	403.8	403.1	402.4	401.7	401.0
110°	466.8	466.4	465.0	463.5	462.1	460.7	459.7	458.9	458.3	457.5	456.8



TEST NUMBER: P332733-930

CATALOG NUMBER: S124DIW-S350D1340U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	519.6	519.7	519.0	518.4	517.7	517.0	516.1	514.8	513.6	512.3	510.9
115°	596.9	596.4	596.6	596.9	597.1	597.4	597.1	596.4	595.7	595.0	594.3
117.5°	675.9	676.0	675.4	674.9	674.4	673.8	673.1	672.2	671.2	670.3	669.4
120°	723.8	723.3	723.6	723.8	724.1	724.2	723.9	723.0	722.0	721.1	720.2
122.5°	771.8	771.5	771.2	770.9	770.5	770.2	769.8	769.2	768.7	768.1	767.5
125°	838.2	837.6	838.0	838.5	838.9	839.4	839.2	838.2	837.3	836.3	835.4
127.5°	905.5	905.6	904.6	903.4	902.4	901.3	900.7	900.4	900.2	899.9	899.7
130°	945.7	945.4	944.7	944.0	943.3	942.6	942.1	941.8	941.7	941.4	941.2
132.5°	985.4	985.1	984.2	983.3	982.5	981.6	980.9	980.5	980.1	979.7	979.3
135°	1040.0	1039.5	1038.6	1037.6	1036.7	1035.8	1035.4	1035.7	1035.8	1036.1	1036.3
137.5°	1092.5	1091.9	1091.0	1089.9	1088.8	1087.9	1087.3	1087.2	1087.0	1087.0	1086.9
140°	1124.8	1124.1	1123.6	1123.2	1122.7	1122.3	1121.8	1121.3	1120.8	1120.4	1119.9
142.5°	1155.1	1154.5	1154.3	1154.0	1153.7	1153.4	1152.9	1152.0	1151.2	1150.3	1149.5
145°	1198.4	1198.2	1198.2	1198.2	1198.2	1198.2	1197.8	1197.1	1196.4	1195.6	1195.0
147.5°	1236.2	1236.0	1236.2	1236.5	1236.7	1237.0	1236.4	1235.1	1233.8	1232.4	1231.1
150°	1260.5	1260.5	1260.8	1261.0	1261.3	1261.4	1261.1	1260.2	1259.2	1258.3	1257.4
152.5°	1281.2	1280.8	1281.2	1281.7	1282.1	1282.5	1282.4	1281.6	1280.8	1280.1	1279.4
155°	1309.0	1308.1	1308.8	1309.5	1310.3	1310.9	1311.2	1310.9	1310.7	1310.4	1310.3
157.5°	1333.3	1332.0	1332.9	1333.6	1334.4	1335.2	1335.7	1335.8	1335.9	1336.1	1336.3
160°	1348.7	1347.3	1347.4	1347.7	1347.9	1348.2	1348.7	1349.3	1350.1	1350.8	1351.4
162.5°	1361.3	1359.9	1360.2	1360.4	1360.7	1360.9	1361.5	1362.4	1363.3	1364.1	1365.0
165°	1378.8	1376.9	1376.9	1376.9	1376.9	1376.9	1377.4	1378.6	1379.8	1381.0	1382.2
167.5°	1391.6	1389.5	1389.7	1389.8	1390.0	1390.1	1390.8	1392.0	1393.3	1394.5	1395.7
170°	1399.9	1398.0	1397.7	1397.5	1397.3	1397.1	1397.7	1399.1	1400.4	1401.9	1403.3
172.5°	1404.9	1403.0	1402.8	1402.6	1402.4	1402.2	1402.7	1404.1	1405.6	1407.0	1408.3
175°	1410.7	1408.6	1408.3	1408.1	1407.9	1407.6	1408.2	1409.7	1411.0	1412.4	1413.9
177.5°	1413.6	1412.2	1411.8	1411.4	1411.0	1410.6	1411.1	1412.4	1413.7	1415.1	1416.4
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



TEST NUMBER: P332733-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	468.9	470.4	472.5	475.8	477.0	478.6	480.8	480.6	481.2	483.6	488.4
5°	470.6	476.6	482.4	489.3	496.7	501.5	508.0	512.1	516.2	521.4	530.3
7.5°	471.3	480.8	491.4	503.6	514.5	526.9	536.7	545.9	554.2	565.2	575.8
10°	470.3	483.0	496.7	512.1	528.5	542.4	555.0	569.2	581.4	594.7	606.7
12.5°	468.2	483.6	501.9	519.2	538.3	558.9	574.5	589.0	605.1	620.4	639.0
15°	463.7	484.7	506.1	528.9	554.6	578.3	600.9	619.5	636.9	659.9	684.0
17.5°	457.9	480.5	507.6	535.2	562.0	589.1	617.0	645.1	667.1	695.6	714.4
20°	452.5	478.7	506.5	539.3	566.1	599.9	627.7	654.8	685.0	713.4	736.0
22.5°	444.9	473.6	503.1	535.7	571.0	604.9	636.9	666.4	696.6	727.4	754.7
25°	435.3	461.4	496.3	533.3	568.4	605.1	642.0	679.0	711.4	744.0	769.5
27.5°	419.0	451.8	484.4	522.6	561.6	603.1	642.5	681.3	715.3	742.1	757.8
30°	410.6	439.2	474.5	512.9	555.1	599.7	640.8	678.8	710.5	731.9	738.3
32.5°	398.3	427.7	462.3	502.1	546.8	592.6	635.4	671.2	697.7	708.9	701.2
35°	379.9	406.6	441.5	482.2	528.7	577.5	619.8	650.0	663.6	653.0	626.6
37.5°	357.9	384.3	419.4	459.4	507.5	557.2	595.3	617.2	612.7	586.3	546.9
40°	342.5	367.2	400.6	443.8	490.6	540.5	574.1	585.8	573.5	535.7	493.7
42.5°	325.4	349.4	382.9	424.7	474.3	520.2	549.5	550.5	529.8	484.5	442.5
45°	299.3	322.2	353.8	397.3	443.2	486.4	505.7	496.3	458.0	414.5	372.2
47.5°	273.5	293.4	324.7	365.8	409.4	445.8	455.4	438.4	397.7	355.3	316.2
50°	254.7	274.8	304.1	343.5	385.6	416.9	421.6	399.0	359.1	316.4	285.8
52.5°	236.6	256.6	284.8	321.2	359.7	388.1	388.2	362.2	322.4	284.4	255.8
55°	210.1	228.0	253.6	286.2	320.5	342.7	337.3	310.3	275.7	242.7	217.8
57.5°	184.6	200.2	223.6	250.9	281.1	299.5	290.5	264.5	233.7	205.6	186.8
60°	168.0	183.0	203.0	228.7	254.1	268.4	259.9	236.4	208.0	185.4	169.0
62.5°	152.0	164.5	183.8	206.1	229.8	240.3	232.8	209.5	185.0	164.6	151.2
65°	129.3	139.5	154.9	174.1	191.2	200.3	194.0	172.3	153.6	138.9	128.3
67.5°	108.0	116.0	127.8	143.1	157.7	162.6	156.8	141.7	125.9	114.1	106.6
70°	93.4	100.9	110.7	122.5	135.3	140.5	134.7	122.7	109.8	99.0	91.6
72.5°	80.6	86.4	94.7	104.8	114.7	119.9	116.0	104.5	93.6	85.5	79.3
75°	61.4	66.4	72.2	79.3	87.0	90.5	87.0	79.1	71.6	65.6	61.1
77.5°	44.6	47.3	51.8	57.2	62.0	64.6	61.6	56.3	51.6	47.5	45.3
80°	34.0	35.9	39.0	43.2	46.5	49.0	47.0	42.6	39.0	36.3	35.3
82.5°	24.7	26.0	28.0	31.1	33.3	34.7	33.8	30.6	29.1	26.7	25.8
85°	12.1	13.0	14.3	15.2	17.2	17.4	17.5	16.2	14.8	14.3	13.5
87.5°	5.3	6.0	6.9	8.0	9.0	9.5	9.8	10.1	9.9	10.0	9.7
90°	5.8	8.3	10.9	13.5	15.7	17.6	19.5	21.4	23.2	24.7	26.1
92.5°	13.5	13.6	13.8	13.9	14.9	16.8	18.7	20.5	22.4	23.8	25.3
95°	50.1	42.2	34.2	26.2	22.3	22.6	22.8	23.0	23.2	24.7	26.1
97.5°	128.5	133.5	138.4	143.4	132.8	106.6	80.4	54.1	27.9	28.0	28.2
100°	177.7	181.9	186.1	190.4	176.3	143.8	111.4	78.9	46.6	42.6	38.6
102.5°	232.4	235.5	238.6	241.7	241.1	236.8	232.7	228.4	224.2	181.1	138.0
105°	319.7	321.1	322.5	323.9	325.2	326.4	327.6	328.7	330.0	332.1	334.2
107.5°	401.7	402.4	403.1	403.8	405.0	406.6	408.1	409.8	411.4	412.4	413.4
110°	457.5	458.3	458.9	459.7	460.7	462.1	463.5	465.0	466.4	466.8	467.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	512.3	513.6	514.8	516.1	517.0	517.7	518.4	519.0	519.7	519.6	519.4
115°	595.0	595.7	596.4	597.1	597.4	597.1	596.9	596.6	596.4	596.9	597.4
117.5°	670.3	671.2	672.2	673.1	673.8	674.4	674.9	675.4	676.0	675.9	675.7
120°	721.1	722.0	723.0	723.9	724.2	724.1	723.8	723.6	723.3	723.8	724.2
122.5°	768.1	768.7	769.2	769.8	770.2	770.5	770.9	771.2	771.5	771.8	772.1
125°	836.3	837.3	838.2	839.2	839.4	838.9	838.5	838.0	837.6	838.2	838.9
127.5°	899.9	900.2	900.4	900.7	901.3	902.4	903.4	904.6	905.6	905.5	905.4
130°	941.4	941.7	941.8	942.1	942.6	943.3	944.0	944.7	945.4	945.7	945.8
132.5°	979.7	980.1	980.5	980.9	981.6	982.5	983.3	984.2	985.1	985.4	985.6
135°	1036.1	1035.8	1035.7	1035.4	1035.8	1036.7	1037.6	1038.6	1039.5	1040.0	1040.5
137.5°	1087.0	1087.0	1087.2	1087.3	1087.9	1088.8	1089.9	1091.0	1091.9	1092.5	1093.0
140°	1120.4	1120.8	1121.3	1121.8	1122.3	1122.7	1123.2	1123.6	1124.1	1124.8	1125.5
142.5°	1150.3	1151.2	1152.0	1152.9	1153.4	1153.7	1154.0	1154.3	1154.5	1155.1	1155.6
145°	1195.6	1196.4	1197.1	1197.8	1198.2	1198.2	1198.2	1198.2	1198.2	1198.4	1198.6
147.5°	1232.4	1233.8	1235.1	1236.4	1237.0	1236.7	1236.5	1236.2	1236.0	1236.2	1236.4
150°	1258.3	1259.2	1260.2	1261.1	1261.4	1261.3	1261.0	1260.8	1260.5	1260.5	1260.5
152.5°	1280.1	1280.8	1281.6	1282.4	1282.5	1282.1	1281.7	1281.2	1280.8	1281.2	1281.6
155°	1310.4	1310.7	1310.9	1311.2	1310.9	1310.3	1309.5	1308.8	1308.1	1309.0	1310.0
157.5°	1336.1	1335.9	1335.8	1335.7	1335.2	1334.4	1333.6	1332.9	1332.0	1333.3	1334.5
160°	1350.8	1350.1	1349.3	1348.7	1348.2	1347.9	1347.7	1347.4	1347.3	1348.7	1350.1
162.5°	1364.1	1363.3	1362.4	1361.5	1360.9	1360.7	1360.4	1360.2	1359.9	1361.3	1362.8
165°	1381.0	1379.8	1378.6	1377.4	1376.9	1376.9	1376.9	1376.9	1376.9	1378.8	1380.6
167.5°	1394.5	1393.3	1392.0	1390.8	1390.1	1390.0	1389.8	1389.7	1389.5	1391.6	1393.7
170°	1401.9	1400.4	1399.1	1397.7	1397.1	1397.3	1397.5	1397.7	1398.0	1399.9	1401.7
172.5°	1407.0	1405.6	1404.1	1402.7	1402.2	1402.4	1402.6	1402.8	1403.0	1404.9	1406.8
175°	1412.4	1411.0	1409.7	1408.2	1407.6	1407.9	1408.1	1408.3	1408.6	1410.7	1412.8
177.5°	1415.1	1413.7	1412.4	1411.1	1410.6	1411.0	1411.4	1411.8	1412.2	1413.6	1415.2
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	491.0	491.3	492.7	493.7	494.1	495.6	495.7
5°	534.1	537.4	543.7	544.3	545.3	550.3	546.4
7.5°	584.7	593.0	598.5	603.5	605.2	607.4	607.0
10°	617.1	629.4	635.6	645.5	645.8	648.3	646.8
12.5°	649.6	664.0	675.2	677.1	685.3	686.6	688.8
15°	695.8	711.0	726.7	732.3	743.6	746.3	750.6
17.5°	739.2	754.7	765.7	780.2	784.9	791.1	786.8
20°	763.0	779.9	793.9	805.2	810.0	813.5	813.1
22.5°	777.3	794.4	805.7	814.3	818.8	820.3	820.2
25°	786.3	796.1	799.6	802.9	797.9	796.1	796.9
27.5°	761.2	758.7	749.7	737.8	725.5	715.7	710.3
30°	726.8	711.8	698.1	674.2	661.9	654.5	647.9
32.5°	678.1	654.2	627.9	605.9	591.9	581.1	579.4
35°	594.5	558.6	526.4	499.5	485.7	473.9	471.2
37.5°	505.4	468.1	439.1	415.5	400.6	392.2	384.5
40°	446.3	414.3	385.7	365.7	354.2	348.3	343.5
42.5°	400.8	371.5	343.1	327.8	317.6	313.9	311.0
45°	337.9	310.6	291.0	279.4	273.5	267.3	264.3
47.5°	287.5	265.4	252.4	242.6	236.1	232.4	230.6
50°	258.9	240.8	229.3	221.7	215.9	213.0	211.5
52.5°	233.7	218.7	209.0	203.0	199.1	197.0	196.3
55°	201.2	189.9	183.7	178.5	175.6	173.7	172.9
57.5°	175.0	166.2	161.2	156.9	155.7	154.2	153.6
60°	157.7	150.9	146.7	143.7	142.8	140.9	141.2
62.5°	142.4	136.8	133.2	131.6	130.3	128.7	129.2
65°	120.4	116.3	114.4	112.9	111.4	110.4	111.1
67.5°	101.0	98.2	95.6	94.7	94.0	93.8	93.0
70°	88.4	86.1	83.7	83.2	83.2	82.4	82.2
72.5°	76.1	74.5	73.0	72.5	71.9	72.2	71.4
75°	58.9	57.5	56.9	56.3	56.2	56.2	55.6
77.5°	43.5	42.5	41.6	41.6	40.8	40.6	40.5
80°	33.0	32.6	31.9	31.9	31.5	31.6	31.2
82.5°	24.8	24.3	24.1	23.8	23.2	23.3	22.9
85°	13.3	12.7	12.6	12.0	11.6	12.0	11.6
87.5°	10.1	10.3	10.3	10.1	10.0	10.1	9.7
90°	27.5	28.9	29.8	30.3	30.8	31.2	31.7
92.5°	26.7	28.0	28.8	28.9	29.0	29.1	29.2
95°	27.5	28.9	29.8	29.9	30.2	30.4	30.7
97.5°	28.4	28.5	28.7	28.9	29.1	29.4	29.6
100°	34.6	30.6	28.7	28.9	29.1	29.4	29.6
102.5°	94.9	51.8	30.2	30.3	30.3	30.4	30.5
105°	336.3	338.4	335.3	326.8	318.3	309.8	301.4
107.5°	414.5	415.5	416.5	417.4	418.2	419.1	420.0
110°	467.7	468.2	468.8	469.5	470.3	470.9	471.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	519.3	519.3	519.7	520.6	521.5	522.4	523.3
115°	597.9	598.3	598.5	598.5	598.5	598.5	598.5
117.5°	675.6	675.6	675.5	675.4	675.3	675.2	675.1
120°	724.7	725.2	725.2	724.7	724.2	723.8	723.3
122.5°	772.4	772.7	772.6	772.1	771.6	771.2	770.7
125°	839.7	840.3	840.8	841.1	841.3	841.6	841.8
127.5°	905.2	905.1	904.9	904.7	904.5	904.3	904.2
130°	946.1	946.3	946.5	946.5	946.5	946.5	946.5
132.5°	985.9	986.1	986.1	985.9	985.8	985.5	985.4
135°	1040.9	1041.4	1041.9	1042.4	1042.8	1043.3	1043.7
137.5°	1093.5	1094.1	1094.2	1094.1	1094.0	1093.8	1093.6
140°	1126.3	1126.9	1127.4	1127.6	1127.9	1128.1	1128.4
142.5°	1156.1	1156.7	1156.9	1157.0	1157.0	1157.1	1157.1
145°	1198.8	1199.1	1199.5	1199.9	1200.4	1200.9	1201.3
147.5°	1236.6	1236.7	1237.0	1237.2	1237.5	1237.6	1237.9
150°	1260.5	1260.5	1260.6	1260.9	1261.1	1261.3	1261.6
152.5°	1282.0	1282.3	1282.5	1282.3	1282.1	1282.1	1281.9
155°	1310.9	1311.9	1312.0	1311.3	1310.6	1309.9	1309.2
157.5°	1335.7	1336.9	1336.9	1335.7	1334.5	1333.3	1332.0
160°	1351.4	1352.9	1352.9	1351.4	1350.1	1348.7	1347.3
162.5°	1364.2	1365.5	1365.5	1363.9	1362.3	1360.7	1359.1
165°	1382.5	1384.4	1384.2	1382.2	1380.1	1377.9	1375.8
167.5°	1395.7	1397.8	1397.7	1395.3	1392.9	1390.7	1388.3
170°	1403.6	1405.5	1405.2	1403.0	1400.6	1398.2	1395.9
172.5°	1408.8	1410.6	1410.3	1407.7	1405.2	1402.6	1400.1
175°	1415.0	1417.1	1416.7	1413.9	1411.0	1408.2	1405.4
177.5°	1416.7	1418.2	1417.8	1415.5	1413.3	1411.0	1408.8
180°	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9	1413.9

(END OF REPORT)