

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: P333648

Luminaire Tested: **S125RDIW-S375D1050U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333648
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1050U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5650.8 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

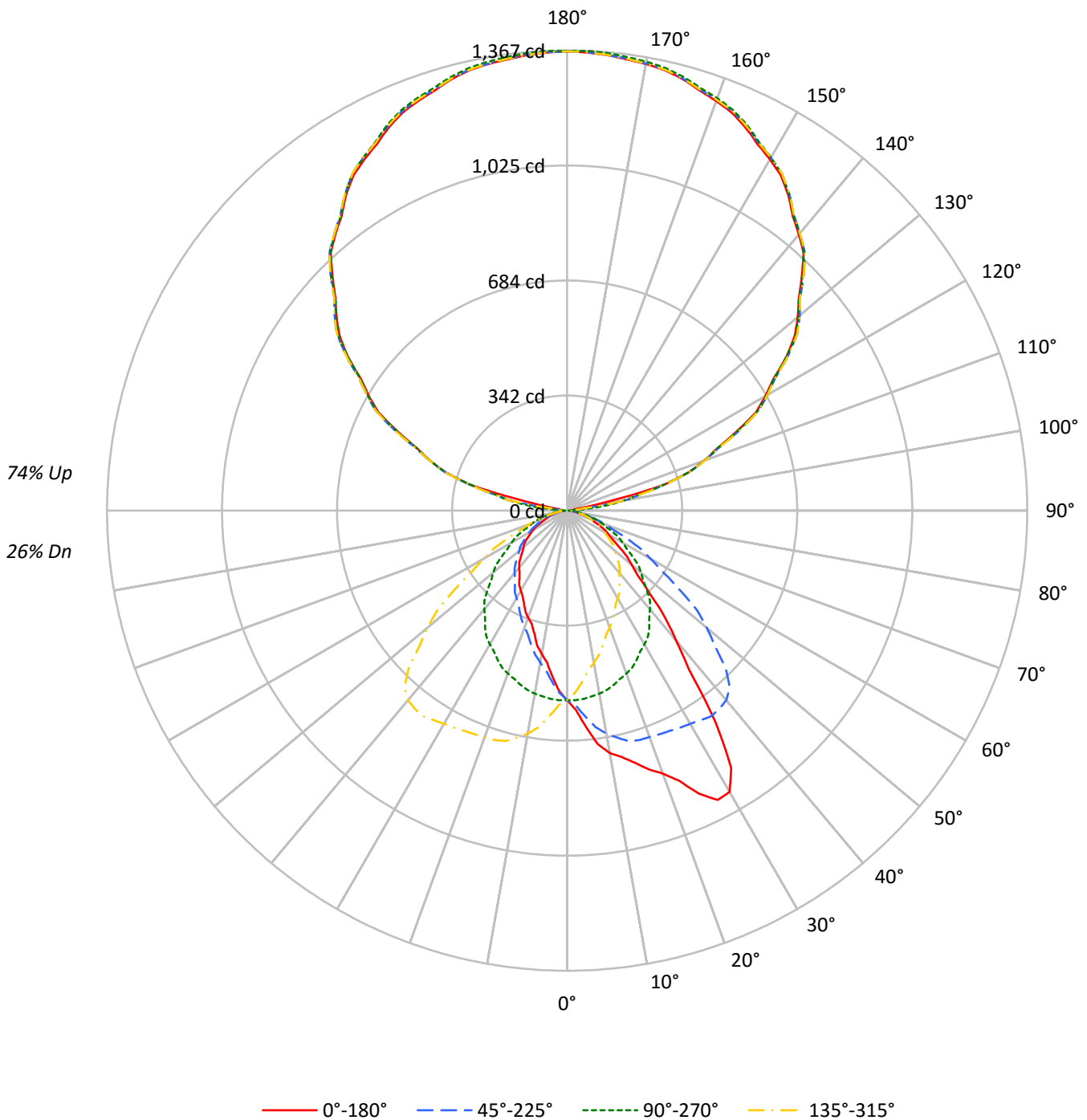
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	85	82	82	79	76	73	61	59	58	45	44	43	30	30	29	22
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	40	35	33	31	24	22	21	16
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	21	20	18	14
5	65	54	46	40	57	48	42	37	38	33	30	28	25	23	19	18	16	12
6	59	48	40	35	53	43	37	32	34	29	26	26	22	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	24	42	32	26	22	26	21	18	19	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	23	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3635	3635	3635	3635
5°	4182	3640	3215	3640
10°	4798	3621	2837	3621
15°	5182	3584	2521	3584
20°	5714	3542	2328	3542
25°	6613	3484	2161	3484
30°	7196	3424	2051	3424
35°	6070	3354	1949	3354
40°	4239	3228	1862	3228
45°	3145	3058	1777	3058
50°	2508	2882	1704	2882
55°	2128	2662	1639	2662
60°	1838	2466	1535	2466
65°	1638	2253	1320	2253
70°	1441	2064	1205	2064
75°	1245	1787	1130	1787
80°	945	1503	945	1503
85°	785	1178	889	1178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.0
10°-20°	158.2	2.8
20°-30°	250.8	4.4
30°-40°	302.5	5.4
40°-50°	270.1	4.8
50°-60°	207.1	3.7
60°-70°	134.6	2.4
70°-80°	65.4	1.2
80°-90°	18.5	0.3
90°-100°	49.6	0.9
100°-110°	305.6	5.4
110°-120°	554.2	9.8
120°-130°	711.2	12.6
130°-140°	765.0	13.5
140°-150°	718.0	12.7
150°-160°	580.8	10.3
160°-170°	375.7	6.6
170°-180°	129.6	2.3
0°-30°	463.0	8.2
0°-40°	765.4	13.5
0°-60°	1242.7	22.0
0°-90°	1461.2	25.9
90°-120°	909.3	16.1
90°-150°	3103.6	54.9
90°-180°	4190.0	74.1
0°-180°	5650.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	563	563	563	563	563	
5°	645	562	496	562	645	64
15°	775	536	377	536	775	222
25°	928	489	303	489	928	426
35°	770	425	247	425	770	465
45°	344	335	195	335	344	275
55°	189	236	146	236	189	172
65°	107	147	86	147	107	107
75°	50	72	45	72	50	53
85°	11	16	12	16	11	13
90°	24	1	24	1	24	11
95°	21	58	21	58	21	18
105°	300	297	300	297	300	272
115°	554	558	554	558	554	550
125°	794	794	794	794	794	706
135°	986	990	986	990	986	761
145°	1145	1148	1145	1148	1145	715
155°	1255	1264	1255	1264	1255	578
165°	1327	1334	1327	1334	1327	374
175°	1358	1364	1358	1364	1358	129
180°	1364	1364	1364	1364	1364	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	592.1	591.7	592.5	590.4	590.6	587.5	587.5	585.1	581.9	579.5	578.4
5°	645.1	645.6	644.7	641.2	638.9	635.4	631.5	624.6	618.8	613.2	608.9
7.5°	699.8	700.1	697.0	696.0	690.1	685.9	677.2	667.7	659.4	648.7	640.6
10°	731.6	731.3	728.1	725.5	720.5	714.0	705.4	694.4	684.0	672.4	661.3
12.5°	750.0	749.4	748.4	745.3	740.6	734.9	727.6	716.7	703.9	691.3	678.3
15°	775.0	773.4	770.4	766.4	759.7	753.0	745.0	735.3	723.0	708.7	696.7
17.5°	805.9	805.9	801.3	795.8	786.7	774.9	762.4	746.8	730.1	714.4	701.6
20°	831.4	830.7	826.1	815.4	805.0	790.2	775.9	756.7	736.4	715.8	699.9
22.5°	868.0	866.2	861.4	847.4	831.3	812.2	790.3	766.9	742.3	719.0	698.0
25°	928.0	926.6	917.1	900.9	878.3	848.9	820.3	788.2	752.8	722.1	696.7
27.5°	969.0	967.5	960.4	947.0	926.1	895.2	856.5	813.5	769.4	727.1	690.5
30°	964.9	968.4	967.5	961.2	945.5	917.8	882.0	833.7	781.2	731.6	687.9
32.5°	906.9	910.0	918.1	930.4	931.3	920.2	893.4	848.8	794.5	738.0	685.8
35°	769.9	774.1	789.8	814.5	846.9	873.9	879.4	855.4	806.6	745.9	682.8
37.5°	591.9	614.6	627.9	653.9	702.8	752.5	800.3	817.9	797.2	742.6	677.9
40°	502.8	508.3	531.9	561.3	602.4	654.1	722.3	771.5	773.1	735.3	670.1
42.5°	430.3	437.4	453.5	477.0	512.2	563.9	634.3	699.3	729.3	714.9	659.9
45°	344.3	349.6	361.4	379.4	406.4	449.2	509.7	584.8	644.4	667.8	632.7
47.5°	282.8	285.7	295.9	309.7	329.7	360.8	407.7	472.9	544.4	594.5	589.6
50°	249.6	252.8	260.6	271.0	287.9	314.2	351.7	406.0	479.7	540.9	553.2
52.5°	223.7	226.4	231.3	241.1	255.0	275.2	305.5	354.6	420.9	486.0	514.4
55°	189.0	190.9	194.8	200.3	211.4	226.0	252.1	286.1	339.7	405.3	446.9
57.5°	160.5	161.4	163.9	169.0	176.7	187.3	206.2	234.9	273.4	332.5	378.4
60°	142.3	143.3	146.5	150.0	156.0	165.7	180.5	200.6	237.5	286.3	332.7
62.5°	127.9	128.5	129.9	133.3	138.6	146.1	157.7	174.1	203.5	246.4	290.2
65°	107.2	107.4	107.9	110.7	113.9	119.5	127.1	138.6	160.8	193.2	232.0
67.5°	87.3	87.7	89.3	90.3	93.6	96.5	101.0	109.8	125.5	147.3	177.5
70°	76.3	76.0	77.6	78.8	79.9	83.4	86.4	93.6	103.3	119.9	145.1
72.5°	65.9	65.3	66.0	66.4	67.9	70.3	73.3	77.7	85.2	96.6	115.9
75°	49.9	50.1	50.1	50.6	51.8	52.7	53.6	55.9	60.1	67.7	78.1
77.5°	35.0	34.7	35.6	35.8	36.5	37.5	38.3	39.2	40.9	44.0	49.4
80°	25.4	25.4	25.6	26.3	26.1	26.6	27.7	28.7	30.7	32.6	34.4
82.5°	19.5	19.3	19.5	19.7	19.6	20.1	20.5	20.7	21.5	22.4	23.7
85°	10.6	10.6	10.9	10.9	11.1	11.1	11.3	11.3	11.3	11.6	11.8
87.5°	8.9	8.6	8.3	8.1	8.2	8.4	8.0	7.6	7.3	7.1	7.0
90°	24.3	23.6	22.9	22.3	21.6	20.7	19.6	18.4	17.3	16.2	14.6
92.5°	22.7	22.3	22.0	21.7	21.4	20.7	19.6	18.4	17.3	16.2	14.8
95°	21.2	21.2	21.2	21.2	21.2	20.7	19.6	18.4	17.3	16.2	24.7
97.5°	21.2	21.2	21.2	21.2	21.2	24.4	30.7	37.1	43.4	49.8	66.7
100°	21.2	22.1	23.0	23.9	24.8	42.0	75.5	109.0	142.5	176.0	175.1
102.5°	127.2	142.5	157.8	173.1	188.4	199.2	205.5	211.8	218.2	224.5	224.0
105°	300.4	300.6	300.8	301.1	301.3	301.4	301.4	301.4	301.4	301.4	301.4
107.5°	378.7	379.3	380.0	380.7	381.4	381.7	381.6	381.6	381.5	381.5	381.0
110°	432.9	432.6	432.4	432.2	432.0	432.2	432.9	433.5	434.2	434.9	434.4



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	481.4	481.7	482.0	482.4	482.7	483.3	484.1	485.0	485.8	486.7	486.4
115°	554.2	555.6	556.9	558.3	559.6	560.7	561.6	562.5	563.4	564.3	564.1
117.5°	631.9	632.5	633.1	633.7	634.2	635.1	636.3	637.5	638.6	639.8	638.9
120°	679.6	680.8	681.9	683.0	684.1	684.9	685.4	685.8	686.3	686.7	686.0
122.5°	725.0	726.3	727.6	728.9	730.2	731.0	731.5	731.9	732.4	732.8	732.5
125°	793.9	794.6	795.3	796.0	796.6	797.4	798.3	799.2	800.1	801.0	801.0
127.5°	852.0	853.6	855.3	857.0	858.6	859.7	860.2	860.7	861.2	861.7	861.8
130°	894.1	895.2	896.3	897.4	898.5	899.4	900.1	900.8	901.5	902.1	901.9
132.5°	932.9	934.0	935.1	936.3	937.4	938.0	938.1	938.3	938.4	938.6	939.0
135°	986.1	987.4	988.8	990.1	991.5	992.4	992.8	993.3	993.7	994.2	994.6
137.5°	1039.5	1040.7	1041.8	1043.0	1044.2	1044.7	1044.6	1044.5	1044.4	1044.3	1044.7
140°	1071.0	1072.4	1073.7	1075.1	1076.4	1076.9	1076.4	1076.0	1075.5	1075.1	1075.3
142.5°	1101.0	1102.3	1103.7	1105.0	1106.4	1107.0	1106.9	1106.8	1106.7	1106.6	1106.3
145°	1144.9	1146.2	1147.6	1148.9	1150.3	1150.8	1150.6	1150.4	1150.2	1149.9	1149.9
147.5°	1181.1	1182.7	1184.3	1185.9	1187.6	1188.2	1188.0	1187.7	1187.4	1187.1	1186.9
150°	1204.5	1206.3	1208.1	1209.9	1211.7	1212.4	1212.0	1211.5	1211.1	1210.6	1210.2
152.5°	1226.4	1228.0	1229.6	1231.2	1232.9	1233.4	1233.0	1232.5	1232.1	1231.6	1231.2
155°	1255.1	1256.9	1258.7	1260.5	1262.3	1262.9	1262.2	1261.5	1260.8	1260.2	1259.7
157.5°	1279.2	1281.0	1282.8	1284.6	1286.4	1286.9	1286.2	1285.5	1284.8	1284.0	1284.0
160°	1294.6	1296.4	1298.2	1300.0	1301.7	1302.2	1301.3	1300.4	1299.5	1298.6	1298.4
162.5°	1308.3	1310.3	1312.3	1314.2	1316.2	1316.6	1315.3	1314.1	1312.8	1311.5	1311.3
165°	1326.9	1328.7	1330.5	1332.3	1334.1	1334.3	1333.0	1331.6	1330.3	1328.9	1328.7
167.5°	1339.9	1341.9	1343.9	1345.9	1348.0	1348.2	1346.5	1344.9	1343.3	1341.7	1341.5
170°	1347.1	1349.2	1351.2	1353.2	1355.2	1355.4	1353.6	1351.8	1350.0	1348.2	1347.9
172.5°	1352.0	1354.0	1356.0	1358.1	1360.1	1360.3	1358.7	1357.1	1355.4	1353.8	1353.4
175°	1358.3	1360.3	1362.3	1364.3	1366.4	1366.5	1364.7	1362.9	1361.1	1359.3	1359.1
177.5°	1361.9	1363.4	1364.8	1366.2	1367.7	1367.8	1366.5	1365.2	1364.0	1362.7	1362.5
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	578.4	577.1	574.7	572.5	569.7	567.3	565.6	563.6	561.0	557.9	555.3
5°	604.0	598.9	592.2	586.4	579.0	573.3	567.3	561.5	555.7	548.3	541.8
7.5°	632.4	621.9	611.7	598.8	587.2	576.8	566.8	556.7	546.8	536.3	526.2
10°	649.8	637.0	623.0	606.8	592.0	577.9	565.0	552.2	538.8	527.1	514.4
12.5°	666.0	649.6	633.5	613.1	595.3	578.1	561.6	545.8	531.5	516.2	502.5
15°	680.7	664.5	646.5	621.6	596.8	576.0	556.6	536.1	518.3	501.2	485.9
17.5°	686.4	669.4	648.5	624.5	597.5	571.3	546.3	523.8	502.8	482.9	465.8
20°	684.2	667.8	646.3	623.4	594.5	567.3	540.2	515.3	491.9	470.9	452.7
22.5°	678.8	661.9	641.1	616.9	589.5	560.6	531.7	505.1	480.7	458.9	439.0
25°	670.8	647.7	626.4	602.8	576.7	548.1	518.3	488.9	462.8	440.6	418.9
27.5°	662.4	633.6	606.5	583.1	555.5	530.0	501.2	471.1	443.7	421.1	398.8
30°	654.8	622.5	592.7	566.1	540.0	515.7	488.5	459.1	430.9	407.6	385.0
32.5°	645.4	611.0	578.3	547.6	522.4	498.4	473.7	445.6	418.2	394.1	371.1
35°	633.6	589.7	554.1	521.5	493.6	470.2	448.0	425.4	397.9	372.9	350.5
37.5°	618.1	568.2	527.1	491.6	462.1	438.7	421.1	400.4	375.3	351.5	330.7
40°	608.6	552.7	507.7	472.5	441.6	416.8	400.4	382.9	360.0	337.6	316.8
42.5°	596.1	538.5	488.1	451.5	420.3	396.5	379.9	364.6	345.4	324.3	302.0
45°	571.4	510.9	458.0	418.7	387.3	363.9	348.4	334.8	320.3	300.8	281.4
47.5°	539.4	482.1	426.7	383.8	353.1	331.4	316.4	305.6	295.2	278.7	259.9
50°	513.7	458.4	404.4	362.8	330.0	309.4	295.3	286.8	277.3	262.3	246.5
52.5°	483.3	434.0	381.1	338.6	307.6	288.3	274.8	266.2	258.4	246.2	231.2
55°	435.6	392.3	343.8	305.2	276.8	257.4	244.5	236.4	231.8	221.4	209.6
57.5°	380.4	349.5	306.7	269.5	244.3	225.2	215.7	208.8	203.6	196.2	187.9
60°	342.0	320.3	281.9	246.5	223.4	205.2	196.6	190.9	186.0	179.8	173.3
62.5°	303.0	287.2	253.8	223.4	202.2	186.9	178.9	173.7	168.1	163.9	157.6
65°	250.7	236.6	213.5	189.7	170.1	157.8	152.0	147.4	144.0	139.3	134.9
67.5°	195.0	189.3	173.3	156.9	142.8	131.9	126.9	123.7	119.6	116.8	113.8
70°	160.8	158.0	146.7	135.9	122.7	115.3	110.7	109.3	104.2	101.4	99.4
72.5°	130.5	129.2	122.7	115.2	105.9	99.4	95.2	93.6	90.3	88.1	86.8
75°	89.4	89.9	88.7	83.9	80.4	76.3	72.6	71.6	69.3	67.5	66.3
77.5°	56.6	58.9	59.0	58.8	57.4	54.9	53.3	52.6	50.4	49.7	49.4
80°	38.8	41.4	43.7	43.4	43.0	42.3	41.1	40.4	39.3	38.6	38.1
82.5°	25.9	28.2	30.2	31.4	31.3	30.6	29.9	29.5	29.3	28.8	28.7
85°	12.2	12.7	13.4	15.0	16.2	16.4	16.2	15.9	15.3	15.5	15.7
87.5°	6.9	6.5	6.4	6.1	5.5	6.1	6.3	6.1	6.1	6.1	6.1
90°	13.0	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	13.4	12.0	10.6	10.5	11.8	13.1	14.3	15.6	14.3	13.1	11.8
95°	33.3	41.8	50.3	55.0	55.6	56.3	57.0	57.6	57.0	56.3	55.6
97.5°	83.6	100.5	117.4	125.2	124.0	122.8	121.6	120.4	121.6	122.8	124.0
100°	174.2	173.3	172.4	171.6	170.9	170.2	169.6	168.9	169.6	170.2	170.9
102.5°	223.4	222.9	222.4	221.7	220.8	220.0	219.1	218.3	219.1	220.0	220.8
105°	301.4	301.4	301.4	300.9	300.0	299.1	298.2	297.3	298.2	299.1	300.0
107.5°	380.6	380.1	379.7	379.5	379.5	379.5	379.5	379.5	379.5	379.5	379.5
110°	434.0	433.5	433.1	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	486.1	485.9	485.6	485.2	484.6	484.1	483.6	483.0	483.6	484.1	484.6
115°	563.9	563.7	563.4	562.8	561.6	560.5	559.4	558.3	559.4	560.5	561.6
117.5°	638.1	637.2	636.4	636.0	636.0	636.1	636.1	636.2	636.1	636.1	636.0
120°	685.4	684.7	684.0	683.8	684.0	684.2	684.5	684.7	684.5	684.2	684.0
122.5°	732.2	731.9	731.6	731.0	730.1	729.3	728.4	727.6	728.4	729.3	730.1
125°	801.0	801.0	801.0	800.2	798.6	797.1	795.5	793.9	795.5	797.1	798.6
127.5°	862.0	862.1	862.2	861.7	860.6	859.5	858.4	857.2	858.4	859.5	860.6
130°	901.7	901.5	901.2	900.6	899.4	898.3	897.2	896.1	897.2	898.3	899.4
132.5°	939.5	940.0	940.5	940.1	938.8	937.5	936.2	934.9	936.2	937.5	938.8
135°	995.1	995.5	996.0	995.5	994.2	992.8	991.5	990.1	991.5	992.8	994.2
137.5°	1045.2	1045.6	1046.0	1045.6	1044.4	1043.2	1042.1	1040.9	1042.1	1043.2	1044.4
140°	1075.5	1075.8	1076.0	1075.9	1075.4	1075.0	1074.5	1074.1	1074.5	1075.0	1075.4
142.5°	1106.0	1105.7	1105.4	1105.1	1104.8	1104.6	1104.3	1104.0	1104.3	1104.6	1104.8
145°	1149.9	1149.9	1149.9	1149.7	1149.3	1148.8	1148.4	1147.9	1148.4	1148.8	1149.3
147.5°	1186.6	1186.3	1186.1	1186.0	1186.1	1186.2	1186.3	1186.3	1186.3	1186.2	1186.1
150°	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1210.2	1209.7	1209.3
152.5°	1230.8	1230.3	1229.9	1230.1	1231.1	1232.1	1233.1	1234.1	1233.1	1232.1	1231.1
155°	1259.3	1258.8	1258.4	1258.8	1260.2	1261.5	1262.9	1264.2	1262.9	1261.5	1260.2
157.5°	1283.9	1283.9	1283.9	1284.2	1285.1	1285.9	1286.7	1287.5	1286.7	1285.9	1285.1
160°	1298.2	1297.9	1297.7	1298.3	1299.6	1301.0	1302.3	1303.7	1302.3	1301.0	1299.6
162.5°	1311.1	1310.9	1310.6	1311.2	1312.6	1313.9	1315.3	1316.6	1315.3	1313.9	1312.6
165°	1328.5	1328.3	1328.0	1328.6	1330.0	1331.3	1332.7	1334.0	1332.7	1331.3	1330.0
167.5°	1341.2	1341.0	1340.8	1341.4	1342.8	1344.2	1345.6	1346.9	1345.6	1344.2	1342.8
170°	1347.7	1347.5	1347.3	1347.9	1349.5	1351.1	1352.7	1354.2	1352.7	1351.1	1349.5
172.5°	1353.0	1352.6	1352.2	1352.8	1354.4	1355.9	1357.5	1359.1	1357.5	1355.9	1354.4
175°	1358.8	1358.6	1358.4	1358.9	1360.3	1361.6	1363.0	1364.3	1363.0	1361.6	1360.3
177.5°	1362.4	1362.2	1362.0	1362.5	1363.5	1364.6	1365.7	1366.8	1365.7	1364.6	1363.5
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	553.4	550.9	549.0	545.3	542.7	541.6	539.6	539.0	541.1	539.6	539.4
5°	537.0	530.3	525.0	519.7	513.9	510.2	504.6	503.7	502.3	500.3	499.8
7.5°	517.3	508.5	501.7	492.9	485.3	479.1	472.2	468.9	467.1	464.4	460.8
10°	504.0	493.6	484.3	475.5	466.1	458.4	451.5	446.2	442.7	439.5	438.1
12.5°	490.8	480.2	468.4	457.8	447.2	438.7	431.0	427.5	423.7	419.9	416.7
15°	470.4	456.4	443.4	431.2	422.2	412.9	405.5	400.4	394.7	393.0	386.8
17.5°	448.8	435.0	419.8	407.0	396.5	386.3	378.2	372.4	368.1	362.1	359.3
20°	435.3	418.9	404.1	392.3	380.8	368.8	360.5	355.6	351.5	346.6	344.3
22.5°	420.9	404.9	389.7	375.9	364.2	352.3	346.4	341.4	336.7	332.2	329.1
25°	399.7	383.6	367.6	353.3	341.1	332.5	325.6	319.8	317.3	312.9	309.6
27.5°	378.8	361.6	345.1	330.8	321.2	312.7	307.0	302.5	297.9	294.1	291.2
30°	365.3	347.8	329.7	318.4	308.2	300.2	293.9	289.5	286.1	282.6	280.5
32.5°	351.8	333.7	317.7	305.5	295.9	288.9	282.5	278.2	274.6	270.8	268.3
35°	330.2	311.7	298.8	286.8	277.3	270.8	266.4	260.4	257.4	254.6	252.1
37.5°	310.1	292.9	278.9	268.4	260.1	253.7	248.0	244.8	241.1	238.6	236.5
40°	295.3	279.6	266.9	255.8	249.8	242.6	237.3	233.1	230.4	227.1	224.8
42.5°	282.0	267.4	255.0	245.1	237.6	231.5	226.4	222.2	218.7	216.4	214.5
45°	263.2	248.6	236.6	227.4	220.4	214.7	209.3	207.3	202.6	199.9	198.9
47.5°	243.7	230.7	219.1	210.6	203.5	198.0	193.0	188.8	186.2	183.5	182.0
50°	230.6	218.1	207.3	198.9	192.0	186.0	181.4	178.6	175.1	172.6	170.8
52.5°	217.5	205.9	195.1	187.1	181.1	175.1	169.9	167.2	163.9	162.3	161.0
55°	198.7	186.5	177.2	169.4	163.1	157.6	152.7	150.0	147.9	146.3	145.8
57.5°	177.5	167.8	159.2	152.1	145.6	140.4	136.1	133.5	131.7	131.4	130.0
60°	163.6	154.8	147.0	139.3	133.8	128.9	125.2	122.2	120.4	120.2	119.7
62.5°	149.7	141.3	134.0	127.3	122.3	117.7	114.1	110.8	109.7	108.5	107.5
65°	129.2	121.5	115.5	110.2	104.9	101.0	97.5	95.4	92.9	91.5	89.0
67.5°	109.0	103.1	97.3	92.8	88.6	84.9	82.0	78.9	77.2	76.1	74.3
70°	95.7	91.0	85.3	80.4	77.2	74.2	71.9	68.4	67.2	66.3	65.4
72.5°	83.1	79.0	74.2	70.2	67.0	64.2	61.5	59.9	58.7	57.8	57.3
75°	65.4	61.5	57.3	54.5	52.2	49.9	48.5	47.4	46.9	46.7	45.8
77.5°	48.0	45.9	42.6	40.4	38.9	37.9	36.7	36.1	36.0	35.0	34.7
80°	36.7	35.6	32.8	31.9	30.7	29.8	29.1	28.0	26.8	26.3	25.6
82.5°	27.3	26.2	25.0	23.6	22.6	22.0	21.4	20.9	21.1	20.4	20.1
85°	14.6	13.4	12.9	12.7	12.2	12.7	12.5	12.2	12.0	11.8	12.0
87.5°	6.3	6.6	6.7	7.4	7.2	7.7	7.9	7.9	8.2	8.4	8.4
90°	8.2	9.9	11.5	13.0	14.6	16.2	17.3	18.4	19.6	20.7	21.6
92.5°	10.5	10.6	12.0	13.4	14.8	16.2	17.3	18.4	19.6	20.7	21.4
95°	55.0	50.3	41.8	33.3	24.7	16.2	17.3	18.4	19.6	20.7	21.2
97.5°	125.2	117.4	100.5	83.6	66.7	49.8	43.4	37.1	30.7	24.4	21.2
100°	171.6	172.4	173.3	174.2	175.1	176.0	142.5	109.0	75.5	42.0	24.8
102.5°	221.7	222.4	222.9	223.4	224.0	224.5	218.2	211.8	205.5	199.2	188.4
105°	300.9	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.4	301.3
107.5°	379.5	379.7	380.1	380.6	381.0	381.5	381.5	381.6	381.6	381.7	381.4
110°	432.9	433.1	433.5	434.0	434.4	434.9	434.2	433.5	432.9	432.2	432.0



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	485.2	485.6	485.9	486.1	486.4	486.7	485.8	485.0	484.1	483.3	482.7
115°	562.8	563.4	563.7	563.9	564.1	564.3	563.4	562.5	561.6	560.7	559.6
117.5°	636.0	636.4	637.2	638.1	638.9	639.8	638.6	637.5	636.3	635.1	634.2
120°	683.8	684.0	684.7	685.4	686.0	686.7	686.3	685.8	685.4	684.9	684.1
122.5°	731.0	731.6	731.9	732.2	732.5	732.8	732.4	731.9	731.5	731.0	730.2
125°	800.2	801.0	801.0	801.0	801.0	801.0	800.1	799.2	798.3	797.4	796.6
127.5°	861.7	862.2	862.1	862.0	861.8	861.7	861.2	860.7	860.2	859.7	858.6
130°	900.6	901.2	901.5	901.7	901.9	902.1	901.5	900.8	900.1	899.4	898.5
132.5°	940.1	940.5	940.0	939.5	939.0	938.6	938.4	938.3	938.1	938.0	937.4
135°	995.5	996.0	995.5	995.1	994.6	994.2	993.7	993.3	992.8	992.4	991.5
137.5°	1045.6	1046.0	1045.6	1045.2	1044.7	1044.3	1044.4	1044.5	1044.6	1044.7	1044.2
140°	1075.9	1076.0	1075.8	1075.5	1075.3	1075.1	1075.5	1076.0	1076.4	1076.9	1076.4
142.5°	1105.1	1105.4	1105.7	1106.0	1106.3	1106.6	1106.7	1106.8	1106.9	1107.0	1106.4
145°	1149.7	1149.9	1149.9	1149.9	1149.9	1149.9	1150.2	1150.4	1150.6	1150.8	1150.3
147.5°	1186.0	1186.1	1186.3	1186.6	1186.9	1187.1	1187.4	1187.7	1188.0	1188.2	1187.6
150°	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1211.1	1211.5	1212.0	1212.4	1211.7
152.5°	1230.1	1229.9	1230.3	1230.8	1231.2	1231.6	1232.1	1232.5	1233.0	1233.4	1232.9
155°	1258.8	1258.4	1258.8	1259.3	1259.7	1260.2	1260.8	1261.5	1262.2	1262.9	1262.3
157.5°	1284.2	1283.9	1283.9	1283.9	1284.0	1284.0	1284.8	1285.5	1286.2	1286.9	1286.4
160°	1298.3	1297.7	1297.9	1298.2	1298.4	1298.6	1299.5	1300.4	1301.3	1302.2	1301.7
162.5°	1311.2	1310.6	1310.9	1311.1	1311.3	1311.5	1312.8	1314.1	1315.3	1316.6	1316.2
165°	1328.6	1328.0	1328.3	1328.5	1328.7	1328.9	1330.3	1331.6	1333.0	1334.3	1334.1
167.5°	1341.4	1340.8	1341.0	1341.2	1341.5	1341.7	1343.3	1344.9	1346.5	1348.2	1348.0
170°	1347.9	1347.3	1347.5	1347.7	1347.9	1348.2	1350.0	1351.8	1353.6	1355.4	1355.2
172.5°	1352.8	1352.2	1352.6	1353.0	1353.4	1353.8	1355.4	1357.1	1358.7	1360.3	1360.1
175°	1358.9	1358.4	1358.6	1358.8	1359.1	1359.3	1361.1	1362.9	1364.7	1366.5	1366.4
177.5°	1362.5	1362.0	1362.2	1362.4	1362.5	1362.7	1364.0	1365.2	1366.5	1367.8	1367.7
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.2	537.2	536.6	537.4	536.6	537.2	539.2	539.4	539.6	541.1	539.0
5°	497.5	495.2	496.3	495.9	496.3	495.2	497.5	499.8	500.3	502.3	503.7
7.5°	460.8	457.9	454.9	455.8	454.9	457.9	460.8	460.8	464.4	467.1	468.9
10°	435.1	432.8	431.4	432.6	431.4	432.8	435.1	438.1	439.5	442.7	446.2
12.5°	413.5	412.1	410.9	410.4	410.9	412.1	413.5	416.7	419.9	423.7	427.5
15°	384.0	381.3	380.1	377.1	380.1	381.3	384.0	386.8	393.0	394.7	400.4
17.5°	356.9	356.0	353.0	351.7	353.0	356.0	356.9	359.3	362.1	368.1	372.4
20°	340.8	339.9	336.9	338.7	336.9	339.9	340.8	344.3	346.6	351.5	355.6
22.5°	327.5	325.5	324.5	324.0	324.5	325.5	327.5	329.1	332.2	336.7	341.4
25°	308.7	305.7	304.5	303.2	304.5	305.7	308.7	309.6	312.9	317.3	319.8
27.5°	289.9	288.3	286.8	286.4	286.8	288.3	289.9	291.2	294.1	297.9	302.5
30°	277.7	276.1	275.0	275.0	275.0	276.1	277.7	280.5	282.6	286.1	289.5
32.5°	266.8	265.6	264.4	264.2	264.4	265.6	266.8	268.3	270.8	274.6	278.2
35°	250.9	249.1	248.6	247.2	248.6	249.1	250.9	252.1	254.6	257.4	260.4
37.5°	234.4	232.9	232.9	232.7	232.9	232.9	234.4	236.5	238.6	241.1	244.8
40°	223.9	222.7	222.5	220.9	222.5	222.7	223.9	224.8	227.1	230.4	233.1
42.5°	212.6	212.0	211.2	210.5	211.2	212.0	212.6	214.5	216.4	218.7	222.2
45°	197.3	195.7	195.7	194.6	195.7	195.7	197.3	198.9	199.9	202.6	207.3
47.5°	181.5	180.3	180.4	179.2	180.4	180.3	181.5	182.0	183.5	186.2	188.8
50°	171.0	170.3	170.1	169.6	170.1	170.3	171.0	170.8	172.6	175.1	178.6
52.5°	160.5	160.1	161.0	160.0	161.0	160.1	160.5	161.0	162.3	163.9	167.2
55°	146.3	145.6	147.0	145.6	147.0	145.6	146.3	145.8	146.3	147.9	150.0
57.5°	130.0	129.3	130.6	129.9	130.6	129.3	130.0	130.0	131.4	131.7	133.5
60°	119.2	117.8	118.5	118.8	118.5	117.8	119.2	119.7	120.2	120.4	122.2
62.5°	106.5	105.6	106.2	105.1	106.2	105.6	106.5	107.5	108.5	109.7	110.8
65°	88.5	87.8	86.9	86.4	86.9	87.8	88.5	89.0	91.5	92.9	95.4
67.5°	74.4	72.7	72.6	73.0	72.6	72.7	74.4	74.3	76.1	77.2	78.9
70°	64.0	64.0	63.8	63.8	63.8	64.0	64.0	65.4	66.3	67.2	68.4
72.5°	56.8	56.6	56.2	56.0	56.2	56.6	56.8	57.3	57.8	58.7	59.9
75°	45.8	46.0	45.5	45.3	45.5	46.0	45.8	45.8	46.7	46.9	47.4
77.5°	33.8	32.8	33.3	32.8	33.3	32.8	33.8	34.7	35.0	36.0	36.1
80°	25.6	25.4	26.1	25.4	26.1	25.4	25.6	25.6	26.3	26.8	28.0
82.5°	20.3	20.1	20.4	19.9	20.4	20.1	20.3	20.1	20.4	21.1	20.9
85°	12.2	12.0	11.8	12.0	11.8	12.0	12.2	12.0	11.8	12.0	12.2
87.5°	8.7	8.7	8.8	8.9	8.8	8.7	8.7	8.4	8.4	8.2	7.9
90°	22.3	22.9	23.6	24.3	23.6	22.9	22.3	21.6	20.7	19.6	18.4
92.5°	21.7	22.0	22.3	22.7	22.3	22.0	21.7	21.4	20.7	19.6	18.4
95°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	20.7	19.6	18.4
97.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	24.4	30.7	37.1
100°	23.9	23.0	22.1	21.2	22.1	23.0	23.9	24.8	42.0	75.5	109.0
102.5°	173.1	157.8	142.5	127.2	142.5	157.8	173.1	188.4	199.2	205.5	211.8
105°	301.1	300.8	300.6	300.4	300.6	300.8	301.1	301.3	301.4	301.4	301.4
107.5°	380.7	380.0	379.3	378.7	379.3	380.0	380.7	381.4	381.7	381.6	381.6
110°	432.2	432.4	432.6	432.9	432.6	432.4	432.2	432.0	432.2	432.9	433.5



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	482.4	482.0	481.7	481.4	481.7	482.0	482.4	482.7	483.3	484.1	485.0
115°	558.3	556.9	555.6	554.2	555.6	556.9	558.3	559.6	560.7	561.6	562.5
117.5°	633.7	633.1	632.5	631.9	632.5	633.1	633.7	634.2	635.1	636.3	637.5
120°	683.0	681.9	680.8	679.6	680.8	681.9	683.0	684.1	684.9	685.4	685.8
122.5°	728.9	727.6	726.3	725.0	726.3	727.6	728.9	730.2	731.0	731.5	731.9
125°	796.0	795.3	794.6	793.9	794.6	795.3	796.0	796.6	797.4	798.3	799.2
127.5°	857.0	855.3	853.6	852.0	853.6	855.3	857.0	858.6	859.7	860.2	860.7
130°	897.4	896.3	895.2	894.1	895.2	896.3	897.4	898.5	899.4	900.1	900.8
132.5°	936.3	935.1	934.0	932.9	934.0	935.1	936.3	937.4	938.0	938.1	938.3
135°	990.1	988.8	987.4	986.1	987.4	988.8	990.1	991.5	992.4	992.8	993.3
137.5°	1043.0	1041.8	1040.7	1039.5	1040.7	1041.8	1043.0	1044.2	1044.7	1044.6	1044.5
140°	1075.1	1073.7	1072.4	1071.0	1072.4	1073.7	1075.1	1076.4	1076.9	1076.4	1076.0
142.5°	1105.0	1103.7	1102.3	1101.0	1102.3	1103.7	1105.0	1106.4	1107.0	1106.9	1106.8
145°	1148.9	1147.6	1146.2	1144.9	1146.2	1147.6	1148.9	1150.3	1150.8	1150.6	1150.4
147.5°	1185.9	1184.3	1182.7	1181.1	1182.7	1184.3	1185.9	1187.6	1188.2	1188.0	1187.7
150°	1209.9	1208.1	1206.3	1204.5	1206.3	1208.1	1209.9	1211.7	1212.4	1212.0	1211.5
152.5°	1231.2	1229.6	1228.0	1226.4	1228.0	1229.6	1231.2	1232.9	1233.4	1233.0	1232.5
155°	1260.5	1258.7	1256.9	1255.1	1256.9	1258.7	1260.5	1262.3	1262.9	1262.2	1261.5
157.5°	1284.6	1282.8	1281.0	1279.2	1281.0	1282.8	1284.6	1286.4	1286.9	1286.2	1285.5
160°	1300.0	1298.2	1296.4	1294.6	1296.4	1298.2	1300.0	1301.7	1302.2	1301.3	1300.4
162.5°	1314.2	1312.3	1310.3	1308.3	1310.3	1312.3	1314.2	1316.2	1316.6	1315.3	1314.1
165°	1332.3	1330.5	1328.7	1326.9	1328.7	1330.5	1332.3	1334.1	1334.3	1333.0	1331.6
167.5°	1345.9	1343.9	1341.9	1339.9	1341.9	1343.9	1345.9	1348.0	1348.2	1346.5	1344.9
170°	1353.2	1351.2	1349.2	1347.1	1349.2	1351.2	1353.2	1355.2	1355.4	1353.6	1351.8
172.5°	1358.1	1356.0	1354.0	1352.0	1354.0	1356.0	1358.1	1360.1	1360.3	1358.7	1357.1
175°	1364.3	1362.3	1360.3	1358.3	1360.3	1362.3	1364.3	1366.4	1366.5	1364.7	1362.9
177.5°	1366.2	1364.8	1363.4	1361.9	1363.4	1364.8	1366.2	1367.7	1367.8	1366.5	1365.2
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	539.6	541.6	542.7	545.3	549.0	550.9	553.4	555.3	557.9	561.0	563.6
5°	504.6	510.2	513.9	519.7	525.0	530.3	537.0	541.8	548.3	555.7	561.5
7.5°	472.2	479.1	485.3	492.9	501.7	508.5	517.3	526.2	536.3	546.8	556.7
10°	451.5	458.4	466.1	475.5	484.3	493.6	504.0	514.4	527.1	538.8	552.2
12.5°	431.0	438.7	447.2	457.8	468.4	480.2	490.8	502.5	516.2	531.5	545.8
15°	405.5	412.9	422.2	431.2	443.4	456.4	470.4	485.9	501.2	518.3	536.1
17.5°	378.2	386.3	396.5	407.0	419.8	435.0	448.8	465.8	482.9	502.8	523.8
20°	360.5	368.8	380.8	392.3	404.1	418.9	435.3	452.7	470.9	491.9	515.3
22.5°	346.4	352.3	364.2	375.9	389.7	404.9	420.9	439.0	458.9	480.7	505.1
25°	325.6	332.5	341.1	353.3	367.6	383.6	399.7	418.9	440.6	462.8	488.9
27.5°	307.0	312.7	321.2	330.8	345.1	361.6	378.8	398.8	421.1	443.7	471.1
30°	293.9	300.2	308.2	318.4	329.7	347.8	365.3	385.0	407.6	430.9	459.1
32.5°	282.5	288.9	295.9	305.5	317.7	333.7	351.8	371.1	394.1	418.2	445.6
35°	266.4	270.8	277.3	286.8	298.8	311.7	330.2	350.5	372.9	397.9	425.4
37.5°	248.0	253.7	260.1	268.4	278.9	292.9	310.1	330.7	351.5	375.3	400.4
40°	237.3	242.6	249.8	255.8	266.9	279.6	295.3	316.8	337.6	360.0	382.9
42.5°	226.4	231.5	237.6	245.1	255.0	267.4	282.0	302.0	324.3	345.4	364.6
45°	209.3	214.7	220.4	227.4	236.6	248.6	263.2	281.4	300.8	320.3	334.8
47.5°	193.0	198.0	203.5	210.6	219.1	230.7	243.7	259.9	278.7	295.2	305.6
50°	181.4	186.0	192.0	198.9	207.3	218.1	230.6	246.5	262.3	277.3	286.8
52.5°	169.9	175.1	181.1	187.1	195.1	205.9	217.5	231.2	246.2	258.4	266.2
55°	152.7	157.6	163.1	169.4	177.2	186.5	198.7	209.6	221.4	231.8	236.4
57.5°	136.1	140.4	145.6	152.1	159.2	167.8	177.5	187.9	196.2	203.6	208.8
60°	125.2	128.9	133.8	139.3	147.0	154.8	163.6	173.3	179.8	186.0	190.9
62.5°	114.1	117.7	122.3	127.3	134.0	141.3	149.7	157.6	163.9	168.1	173.7
65°	97.5	101.0	104.9	110.2	115.5	121.5	129.2	134.9	139.3	144.0	147.4
67.5°	82.0	84.9	88.6	92.8	97.3	103.1	109.0	113.8	116.8	119.6	123.7
70°	71.9	74.2	77.2	80.4	85.3	91.0	95.7	99.4	101.4	104.2	109.3
72.5°	61.5	64.2	67.0	70.2	74.2	79.0	83.1	86.8	88.1	90.3	93.6
75°	48.5	49.9	52.2	54.5	57.3	61.5	65.4	66.3	67.5	69.3	71.6
77.5°	36.7	37.9	38.9	40.4	42.6	45.9	48.0	49.4	49.7	50.4	52.6
80°	29.1	29.8	30.7	31.9	32.8	35.6	36.7	38.1	38.6	39.3	40.4
82.5°	21.4	22.0	22.6	23.6	25.0	26.2	27.3	28.7	28.8	29.3	29.5
85°	12.5	12.7	12.2	12.7	12.9	13.4	14.6	15.7	15.5	15.3	15.9
87.5°	7.9	7.7	7.2	7.4	6.7	6.6	6.3	6.1	6.1	6.1	6.1
90°	17.3	16.2	14.6	13.0	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	17.3	16.2	14.8	13.4	12.0	10.6	10.5	11.8	13.1	14.3	15.6
95°	17.3	16.2	24.7	33.3	41.8	50.3	55.0	55.6	56.3	57.0	57.6
97.5°	43.4	49.8	66.7	83.6	100.5	117.4	125.2	124.0	122.8	121.6	120.4
100°	142.5	176.0	175.1	174.2	173.3	172.4	171.6	170.9	170.2	169.6	168.9
102.5°	218.2	224.5	224.0	223.4	222.9	222.4	221.7	220.8	220.0	219.1	218.3
105°	301.4	301.4	301.4	301.4	301.4	301.4	300.9	300.0	299.1	298.2	297.3
107.5°	381.5	381.5	381.0	380.6	380.1	379.7	379.5	379.5	379.5	379.5	379.5
110°	434.2	434.9	434.4	434.0	433.5	433.1	432.9	432.9	432.9	432.9	432.9



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	485.8	486.7	486.4	486.1	485.9	485.6	485.2	484.6	484.1	483.6	483.0
115°	563.4	564.3	564.1	563.9	563.7	563.4	562.8	561.6	560.5	559.4	558.3
117.5°	638.6	639.8	638.9	638.1	637.2	636.4	636.0	636.0	636.1	636.1	636.2
120°	686.3	686.7	686.0	685.4	684.7	684.0	683.8	684.0	684.2	684.5	684.7
122.5°	732.4	732.8	732.5	732.2	731.9	731.6	731.0	730.1	729.3	728.4	727.6
125°	800.1	801.0	801.0	801.0	801.0	801.0	800.2	798.6	797.1	795.5	793.9
127.5°	861.2	861.7	861.8	862.0	862.1	862.2	861.7	860.6	859.5	858.4	857.2
130°	901.5	902.1	901.9	901.7	901.5	901.2	900.6	899.4	898.3	897.2	896.1
132.5°	938.4	938.6	939.0	939.5	940.0	940.5	940.1	938.8	937.5	936.2	934.9
135°	993.7	994.2	994.6	995.1	995.5	996.0	995.5	994.2	992.8	991.5	990.1
137.5°	1044.4	1044.3	1044.7	1045.2	1045.6	1046.0	1045.6	1044.4	1043.2	1042.1	1040.9
140°	1075.5	1075.1	1075.3	1075.5	1075.8	1076.0	1075.9	1075.4	1075.0	1074.5	1074.1
142.5°	1106.7	1106.6	1106.3	1106.0	1105.7	1105.4	1105.1	1104.8	1104.6	1104.3	1104.0
145°	1150.2	1149.9	1149.9	1149.9	1149.9	1149.9	1149.7	1149.3	1148.8	1148.4	1147.9
147.5°	1187.4	1187.1	1186.9	1186.6	1186.3	1186.1	1186.0	1186.1	1186.2	1186.3	1186.3
150°	1211.1	1210.6	1210.2	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6
152.5°	1232.1	1231.6	1231.2	1230.8	1230.3	1229.9	1230.1	1231.1	1232.1	1233.1	1234.1
155°	1260.8	1260.2	1259.7	1259.3	1258.8	1258.4	1258.8	1260.2	1261.5	1262.9	1264.2
157.5°	1284.8	1284.0	1284.0	1283.9	1283.9	1283.9	1284.2	1285.1	1285.9	1286.7	1287.5
160°	1299.5	1298.6	1298.4	1298.2	1297.9	1297.7	1298.3	1299.6	1301.0	1302.3	1303.7
162.5°	1312.8	1311.5	1311.3	1311.1	1310.9	1310.6	1311.2	1312.6	1313.9	1315.3	1316.6
165°	1330.3	1328.9	1328.7	1328.5	1328.3	1328.0	1328.6	1330.0	1331.3	1332.7	1334.0
167.5°	1343.3	1341.7	1341.5	1341.2	1341.0	1340.8	1341.4	1342.8	1344.2	1345.6	1346.9
170°	1350.0	1348.2	1347.9	1347.7	1347.5	1347.3	1347.9	1349.5	1351.1	1352.7	1354.2
172.5°	1355.4	1353.8	1353.4	1353.0	1352.6	1352.2	1352.8	1354.4	1355.9	1357.5	1359.1
175°	1361.1	1359.3	1359.1	1358.8	1358.6	1358.4	1358.9	1360.3	1361.6	1363.0	1364.3
177.5°	1364.0	1362.7	1362.5	1362.4	1362.2	1362.0	1362.5	1363.5	1364.6	1365.7	1366.8
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	565.6	567.3	569.7	572.5	574.7	577.1	578.4	578.4	579.5	581.9	585.1
5°	567.3	573.3	579.0	586.4	592.2	598.9	604.0	608.9	613.2	618.8	624.6
7.5°	566.8	576.8	587.2	598.8	611.7	621.9	632.4	640.6	648.7	659.4	667.7
10°	565.0	577.9	592.0	606.8	623.0	637.0	649.8	661.3	672.4	684.0	694.4
12.5°	561.6	578.1	595.3	613.1	633.5	649.6	666.0	678.3	691.3	703.9	716.7
15°	556.6	576.0	596.8	621.6	646.5	664.5	680.7	696.7	708.7	723.0	735.3
17.5°	546.3	571.3	597.5	624.5	648.5	669.4	686.4	701.6	714.4	730.1	746.8
20°	540.2	567.3	594.5	623.4	646.3	667.8	684.2	699.9	715.8	736.4	756.7
22.5°	531.7	560.6	589.5	616.9	641.1	661.9	678.8	698.0	719.0	742.3	766.9
25°	518.3	548.1	576.7	602.8	626.4	647.7	670.8	696.7	722.1	752.8	788.2
27.5°	501.2	530.0	555.5	583.1	606.5	633.6	662.4	690.5	727.1	769.4	813.5
30°	488.5	515.7	540.0	566.1	592.7	622.5	654.8	687.9	731.6	781.2	833.7
32.5°	473.7	498.4	522.4	547.6	578.3	611.0	645.4	685.8	738.0	794.5	848.8
35°	448.0	470.2	493.6	521.5	554.1	589.7	633.6	682.8	745.9	806.6	855.4
37.5°	421.1	438.7	462.1	491.6	527.1	568.2	618.1	677.9	742.6	797.2	817.9
40°	400.4	416.8	441.6	472.5	507.7	552.7	608.6	670.1	735.3	773.1	771.5
42.5°	379.9	396.5	420.3	451.5	488.1	538.5	596.1	659.9	714.9	729.3	699.3
45°	348.4	363.9	387.3	418.7	458.0	510.9	571.4	632.7	667.8	644.4	584.8
47.5°	316.4	331.4	353.1	383.8	426.7	482.1	539.4	589.6	594.5	544.4	472.9
50°	295.3	309.4	330.0	362.8	404.4	458.4	513.7	553.2	540.9	479.7	406.0
52.5°	274.8	288.3	307.6	338.6	381.1	434.0	483.3	514.4	486.0	420.9	354.6
55°	244.5	257.4	276.8	305.2	343.8	392.3	435.6	446.9	405.3	339.7	286.1
57.5°	215.7	225.2	244.3	269.5	306.7	349.5	380.4	378.4	332.5	273.4	234.9
60°	196.6	205.2	223.4	246.5	281.9	320.3	342.0	332.7	286.3	237.5	200.6
62.5°	178.9	186.9	202.2	223.4	253.8	287.2	303.0	290.2	246.4	203.5	174.1
65°	152.0	157.8	170.1	189.7	213.5	236.6	250.7	232.0	193.2	160.8	138.6
67.5°	126.9	131.9	142.8	156.9	173.3	189.3	195.0	177.5	147.3	125.5	109.8
70°	110.7	115.3	122.7	135.9	146.7	158.0	160.8	145.1	119.9	103.3	93.6
72.5°	95.2	99.4	105.9	115.2	122.7	129.2	130.5	115.9	96.6	85.2	77.7
75°	72.6	76.3	80.4	83.9	88.7	89.9	89.4	78.1	67.7	60.1	55.9
77.5°	53.3	54.9	57.4	58.8	59.0	58.9	56.6	49.4	44.0	40.9	39.2
80°	41.1	42.3	43.0	43.4	43.7	41.4	38.8	34.4	32.6	30.7	28.7
82.5°	29.9	30.6	31.3	31.4	30.2	28.2	25.9	23.7	22.4	21.5	20.7
85°	16.2	16.4	16.2	15.0	13.4	12.7	12.2	11.8	11.6	11.3	11.3
87.5°	6.3	6.1	5.5	6.1	6.4	6.5	6.9	7.0	7.1	7.3	7.6
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.0	14.6	16.2	17.3	18.4
92.5°	14.3	13.1	11.8	10.5	10.6	12.0	13.4	14.8	16.2	17.3	18.4
95°	57.0	56.3	55.6	55.0	50.3	41.8	33.3	24.7	16.2	17.3	18.4
97.5°	121.6	122.8	124.0	125.2	117.4	100.5	83.6	66.7	49.8	43.4	37.1
100°	169.6	170.2	170.9	171.6	172.4	173.3	174.2	175.1	176.0	142.5	109.0
102.5°	219.1	220.0	220.8	221.7	222.4	222.9	223.4	224.0	224.5	218.2	211.8
105°	298.2	299.1	300.0	300.9	301.4	301.4	301.4	301.4	301.4	301.4	301.4
107.5°	379.5	379.5	379.5	379.5	379.7	380.1	380.6	381.0	381.5	381.5	381.6
110°	432.9	432.9	432.9	432.9	433.1	433.5	434.0	434.4	434.9	434.2	433.5



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	483.6	484.1	484.6	485.2	485.6	485.9	486.1	486.4	486.7	485.8	485.0
115°	559.4	560.5	561.6	562.8	563.4	563.7	563.9	564.1	564.3	563.4	562.5
117.5°	636.1	636.1	636.0	636.0	636.4	637.2	638.1	638.9	639.8	638.6	637.5
120°	684.5	684.2	684.0	683.8	684.0	684.7	685.4	686.0	686.7	686.3	685.8
122.5°	728.4	729.3	730.1	731.0	731.6	731.9	732.2	732.5	732.8	732.4	731.9
125°	795.5	797.1	798.6	800.2	801.0	801.0	801.0	801.0	801.0	800.1	799.2
127.5°	858.4	859.5	860.6	861.7	862.2	862.1	862.0	861.8	861.7	861.2	860.7
130°	897.2	898.3	899.4	900.6	901.2	901.5	901.7	901.9	902.1	901.5	900.8
132.5°	936.2	937.5	938.8	940.1	940.5	940.0	939.5	939.0	938.6	938.4	938.3
135°	991.5	992.8	994.2	995.5	996.0	995.5	995.1	994.6	994.2	993.7	993.3
137.5°	1042.1	1043.2	1044.4	1045.6	1046.0	1045.6	1045.2	1044.7	1044.3	1044.4	1044.5
140°	1074.5	1075.0	1075.4	1075.9	1076.0	1075.8	1075.5	1075.3	1075.1	1075.5	1076.0
142.5°	1104.3	1104.6	1104.8	1105.1	1105.4	1105.7	1106.0	1106.3	1106.6	1106.7	1106.8
145°	1148.4	1148.8	1149.3	1149.7	1149.9	1149.9	1149.9	1149.9	1149.9	1150.2	1150.4
147.5°	1186.3	1186.2	1186.1	1186.0	1186.1	1186.3	1186.6	1186.9	1187.1	1187.4	1187.7
150°	1210.2	1209.7	1209.3	1208.8	1208.8	1209.3	1209.7	1210.2	1210.6	1211.1	1211.5
152.5°	1233.1	1232.1	1231.1	1230.1	1229.9	1230.3	1230.8	1231.2	1231.6	1232.1	1232.5
155°	1262.9	1261.5	1260.2	1258.8	1258.4	1258.8	1259.3	1259.7	1260.2	1260.8	1261.5
157.5°	1286.7	1285.9	1285.1	1284.2	1283.9	1283.9	1283.9	1284.0	1284.0	1284.8	1285.5
160°	1302.3	1301.0	1299.6	1298.3	1297.7	1297.9	1298.2	1298.4	1298.6	1299.5	1300.4
162.5°	1315.3	1313.9	1312.6	1311.2	1310.6	1310.9	1311.1	1311.3	1311.5	1312.8	1314.1
165°	1332.7	1331.3	1330.0	1328.6	1328.0	1328.3	1328.5	1328.7	1328.9	1330.3	1331.6
167.5°	1345.6	1344.2	1342.8	1341.4	1340.8	1341.0	1341.2	1341.5	1341.7	1343.3	1344.9
170°	1352.7	1351.1	1349.5	1347.9	1347.3	1347.5	1347.7	1347.9	1348.2	1350.0	1351.8
172.5°	1357.5	1355.9	1354.4	1352.8	1352.2	1352.6	1353.0	1353.4	1353.8	1355.4	1357.1
175°	1363.0	1361.6	1360.3	1358.9	1358.4	1358.6	1358.8	1359.1	1359.3	1361.1	1362.9
177.5°	1365.7	1364.6	1363.5	1362.5	1362.0	1362.2	1362.4	1362.5	1362.7	1364.0	1365.2
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	587.5	587.5	590.6	590.4	592.5	591.7	592.1
5°	631.5	635.4	638.9	641.2	644.7	645.6	645.1
7.5°	677.2	685.9	690.1	696.0	697.0	700.1	699.8
10°	705.4	714.0	720.5	725.5	728.1	731.3	731.6
12.5°	727.6	734.9	740.6	745.3	748.4	749.4	750.0
15°	745.0	753.0	759.7	766.4	770.4	773.4	775.0
17.5°	762.4	774.9	786.7	795.8	801.3	805.9	805.9
20°	775.9	790.2	805.0	815.4	826.1	830.7	831.4
22.5°	790.3	812.2	831.3	847.4	861.4	866.2	868.0
25°	820.3	848.9	878.3	900.9	917.1	926.6	928.0
27.5°	856.5	895.2	926.1	947.0	960.4	967.5	969.0
30°	882.0	917.8	945.5	961.2	967.5	968.4	964.9
32.5°	893.4	920.2	931.3	930.4	918.1	910.0	906.9
35°	879.4	873.9	846.9	814.5	789.8	774.1	769.9
37.5°	800.3	752.5	702.8	653.9	627.9	614.6	591.9
40°	722.3	654.1	602.4	561.3	531.9	508.3	502.8
42.5°	634.3	563.9	512.2	477.0	453.5	437.4	430.3
45°	509.7	449.2	406.4	379.4	361.4	349.6	344.3
47.5°	407.7	360.8	329.7	309.7	295.9	285.7	282.8
50°	351.7	314.2	287.9	271.0	260.6	252.8	249.6
52.5°	305.5	275.2	255.0	241.1	231.3	226.4	223.7
55°	252.1	226.0	211.4	200.3	194.8	190.9	189.0
57.5°	206.2	187.3	176.7	169.0	163.9	161.4	160.5
60°	180.5	165.7	156.0	150.0	146.5	143.3	142.3
62.5°	157.7	146.1	138.6	133.3	129.9	128.5	127.9
65°	127.1	119.5	113.9	110.7	107.9	107.4	107.2
67.5°	101.0	96.5	93.6	90.3	89.3	87.7	87.3
70°	86.4	83.4	79.9	78.8	77.6	76.0	76.3
72.5°	73.3	70.3	67.9	66.4	66.0	65.3	65.9
75°	53.6	52.7	51.8	50.6	50.1	50.1	49.9
77.5°	38.3	37.5	36.5	35.8	35.6	34.7	35.0
80°	27.7	26.6	26.1	26.3	25.6	25.4	25.4
82.5°	20.5	20.1	19.6	19.7	19.5	19.3	19.5
85°	11.3	11.1	11.1	10.9	10.9	10.6	10.6
87.5°	8.0	8.4	8.2	8.1	8.3	8.6	8.9
90°	19.6	20.7	21.6	22.3	22.9	23.6	24.3
92.5°	19.6	20.7	21.4	21.7	22.0	22.3	22.7
95°	19.6	20.7	21.2	21.2	21.2	21.2	21.2
97.5°	30.7	24.4	21.2	21.2	21.2	21.2	21.2
100°	75.5	42.0	24.8	23.9	23.0	22.1	21.2
102.5°	205.5	199.2	188.4	173.1	157.8	142.5	127.2
105°	301.4	301.4	301.3	301.1	300.8	300.6	300.4
107.5°	381.6	381.7	381.4	380.7	380.0	379.3	378.7
110°	432.9	432.2	432.0	432.2	432.4	432.6	432.9



TEST NUMBER: P333648

CATALOG NUMBER: S125RDIW-S375D1050U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	484.1	483.3	482.7	482.4	482.0	481.7	481.4
115°	561.6	560.7	559.6	558.3	556.9	555.6	554.2
117.5°	636.3	635.1	634.2	633.7	633.1	632.5	631.9
120°	685.4	684.9	684.1	683.0	681.9	680.8	679.6
122.5°	731.5	731.0	730.2	728.9	727.6	726.3	725.0
125°	798.3	797.4	796.6	796.0	795.3	794.6	793.9
127.5°	860.2	859.7	858.6	857.0	855.3	853.6	852.0
130°	900.1	899.4	898.5	897.4	896.3	895.2	894.1
132.5°	938.1	938.0	937.4	936.3	935.1	934.0	932.9
135°	992.8	992.4	991.5	990.1	988.8	987.4	986.1
137.5°	1044.6	1044.7	1044.2	1043.0	1041.8	1040.7	1039.5
140°	1076.4	1076.9	1076.4	1075.1	1073.7	1072.4	1071.0
142.5°	1106.9	1107.0	1106.4	1105.0	1103.7	1102.3	1101.0
145°	1150.6	1150.8	1150.3	1148.9	1147.6	1146.2	1144.9
147.5°	1188.0	1188.2	1187.6	1185.9	1184.3	1182.7	1181.1
150°	1212.0	1212.4	1211.7	1209.9	1208.1	1206.3	1204.5
152.5°	1233.0	1233.4	1232.9	1231.2	1229.6	1228.0	1226.4
155°	1262.2	1262.9	1262.3	1260.5	1258.7	1256.9	1255.1
157.5°	1286.2	1286.9	1286.4	1284.6	1282.8	1281.0	1279.2
160°	1301.3	1302.2	1301.7	1300.0	1298.2	1296.4	1294.6
162.5°	1315.3	1316.6	1316.2	1314.2	1312.3	1310.3	1308.3
165°	1333.0	1334.3	1334.1	1332.3	1330.5	1328.7	1326.9
167.5°	1346.5	1348.2	1348.0	1345.9	1343.9	1341.9	1339.9
170°	1353.6	1355.4	1355.2	1353.2	1351.2	1349.2	1347.1
172.5°	1358.7	1360.3	1360.1	1358.1	1356.0	1354.0	1352.0
175°	1364.7	1366.5	1366.4	1364.3	1362.3	1360.3	1358.3
177.5°	1366.5	1367.8	1367.7	1366.2	1364.8	1363.4	1361.9
180°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3

(END OF REPORT)