

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: P333353

Luminaire Tested: **S125DIW-S375D1050U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333353
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1050U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5172.3 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

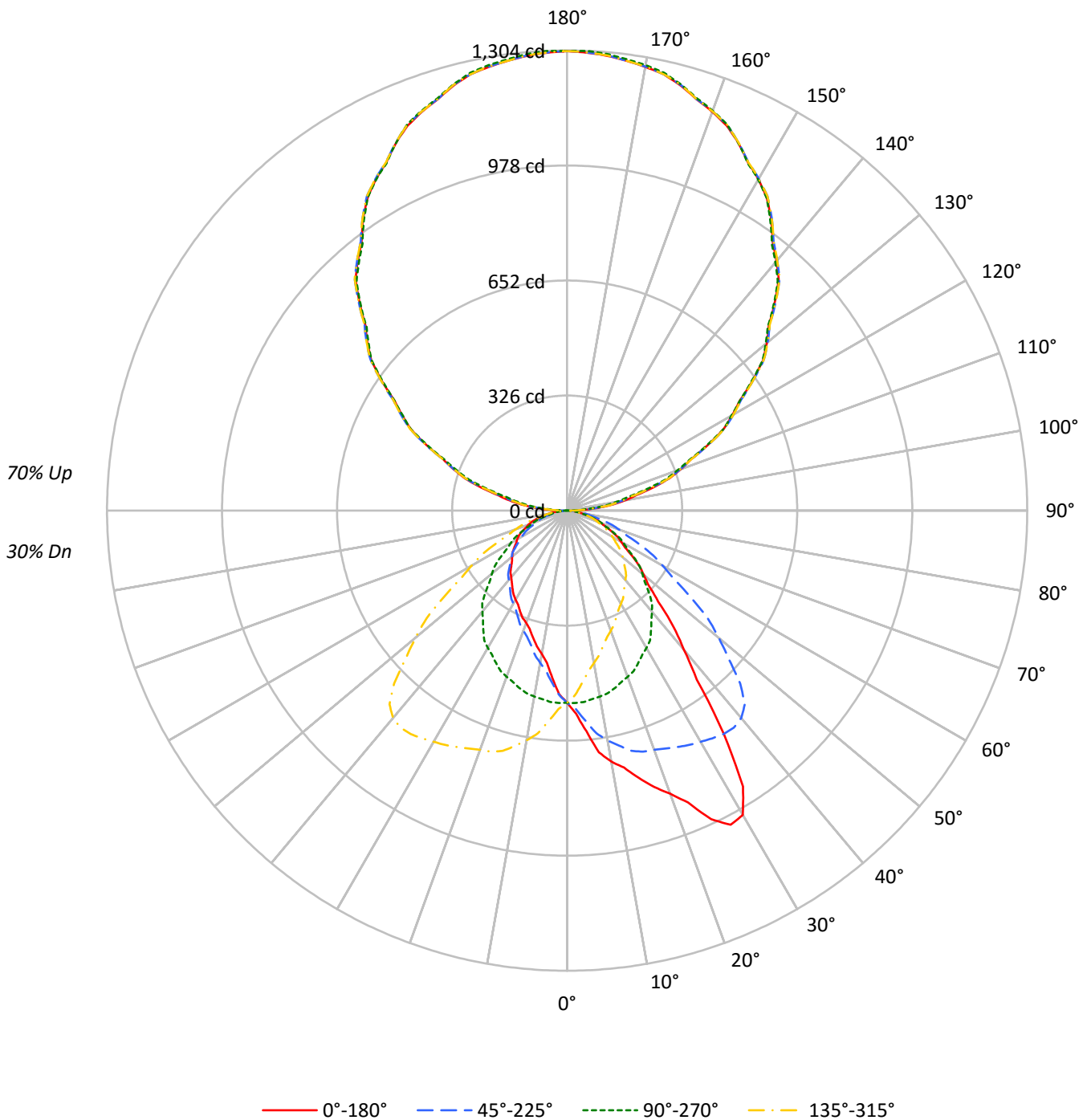
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

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	92	92	92	92	72	72	72	54	54	54	38	38	38	30				
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	33	32	25				
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	29	28	27	21				
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	25	23	18				
4	71	61	53	47	63	55	48	43	44	39	35	33	30	27	23	22	20	16				
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	17	14				
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12				
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	17	15	14	11				
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	10				
9	48	36	29	24	43	32	26	22	26	21	18	20	17	14	15	13	11	9				
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	11	10	8				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.0
10°-20°	156.0	3.0
20°-30°	253.4	4.9
30°-40°	309.1	6.0
40°-50°	281.2	5.4
50°-60°	224.0	4.3
60°-70°	156.0	3.0
70°-80°	83.2	1.6
80°-90°	23.8	0.5
90°-100°	87.2	1.7
100°-110°	257.5	5.0
110°-120°	436.2	8.4
120°-130°	574.0	11.1
130°-140°	643.2	12.4
140°-150°	630.4	12.2
150°-160°	529.5	10.2
160°-170°	352.0	6.8
170°-180°	123.2	2.4
0°-30°	461.8	8.9
0°-40°	770.9	14.9
0°-60°	1276.0	24.7
0°-90°	1539.0	29.8
90°-120°	780.9	15.1
90°-150°	2628.6	50.8
90°-180°	3633.0	70.2
0°-180°	5172.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	24	1	24	1	24	14
95°	87	66	87	66	87	89
105°	251	231	251	231	251	266
115°	441	437	441	437	441	436
125°	641	637	641	637	641	573
135°	832	829	832	829	832	642
145°	1008	1004	1008	1004	1008	629
155°	1149	1149	1149	1149	1149	529
165°	1246	1249	1246	1249	1246	351
175°	1294	1299	1294	1299	1294	123
180°	1302	1302	1302	1302	1302	



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	9.3	9.5	9.6	9.4	9.5	9.3	9.8	9.6	9.9	10.3	10.7
90°	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5	17.3	16.2	14.6
92.5°	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9	40.4	38.9	37.0
95°	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2	79.6	78.0	75.8
97.5°	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2	125.7	124.2	121.1
100°	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1	157.1	155.0	152.1
102.5°	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9	189.7	187.5	186.0
105°	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9	243.5	242.2	240.8
107.5°	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1	301.4	300.7	299.7
110°	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8	341.1	340.5	339.8



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6	381.3	381.0	380.1
115°	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3	442.6	442.8	442.3
117.5°	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1	503.0	502.8	502.4
120°	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1	544.1	544.1	543.9
122.5°	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3	584.5	584.7	584.1
125°	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5	644.0	644.4	644.2
127.5°	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3	702.6	702.8	702.5
130°	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3	741.5	741.7	741.3
132.5°	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5	778.8	779.0	779.1
135°	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9	835.9	835.9	835.7
137.5°	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8	891.5	891.3	890.8
140°	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0	926.6	926.1	925.4
142.5°	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5	961.2	961.0	960.1
145°	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2	1011.2	1011.2	1010.6
147.5°	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3	1056.8	1056.2	1055.7
150°	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2	1086.2	1086.2	1085.3
152.5°	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2	1112.7	1112.2	1111.8
155°	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9	1151.0	1150.1	1149.8
157.5°	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3	1184.4	1183.5	1183.3
160°	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6	1204.7	1203.8	1203.5
162.5°	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6	1223.5	1222.4	1222.4
165°	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1	1249.2	1248.3	1248.1
167.5°	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1	1267.7	1266.4	1266.4
170°	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4	1279.1	1277.7	1277.7
172.5°	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5	1287.2	1285.8	1285.8
175°	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6	1296.3	1294.9	1294.9
177.5°	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8	1300.7	1299.6	1299.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	10.7	10.1	9.0	8.1	6.8	5.9	5.4	5.2	5.0	5.2	5.7
90°	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5	25.8	27.0	28.3
95°	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9	66.3	66.8	67.2
97.5°	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4	109.6	109.8	110.0
100°	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
102.5°	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7	177.6	178.5	179.4
105°	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0	232.1	233.3	234.4
107.5°	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0	292.1	293.3	294.4
110°	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3	333.5	334.6	335.7



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5	375.1	375.7	376.3
115°	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7	437.6	438.5	439.4
117.5°	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1	499.5	499.9	500.3
120°	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0	539.2	540.3	541.4
122.5°	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2	580.6	581.0	581.4
125°	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3	638.7	640.0	641.4
127.5°	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1	698.9	699.7	700.4
130°	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6	735.7	736.9	738.0
132.5°	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1	772.9	774.8	776.6
135°	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8	830.2	831.5	832.9
137.5°	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2	884.5	885.8	887.1
140°	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0	919.1	920.3	921.4
142.5°	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9	953.8	954.8	955.7
145°	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1	1005.0	1005.9	1006.8
147.5°	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6	1052.1	1052.6	1053.0
150°	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2	1083.0	1082.7	1082.5
152.5°	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1	1109.4	1109.7	1110.1
155°	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7	1184.2	1183.7	1183.2
160°	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8	1205.1	1204.4	1203.8
162.5°	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4	1223.9	1223.4	1222.9
165°	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4	1248.9	1248.4	1248.0
167.5°	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4	1269.5	1268.6	1267.7
170°	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8	1280.9	1280.0	1279.1
172.5°	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9	1289.0	1288.1	1287.2
175°	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0	1298.1	1297.2	1296.3
177.5°	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7	1302.9	1302.2	1301.5
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	6.3	7.0	7.1	7.6	7.9	8.6	8.6	9.6	10.2	10.8	10.8
90°	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5	19.6	20.7	21.6
92.5°	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9	43.4	44.9	45.8
95°	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2	82.7	84.3	85.3
97.5°	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2	128.7	130.2	131.0
100°	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1	161.1	163.1	164.4
102.5°	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9	194.1	196.3	197.7
105°	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9	246.2	247.6	248.6
107.5°	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1	302.8	303.4	303.8
110°	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8	342.5	343.2	343.4



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6	381.9	382.2	382.2
115°	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3	442.1	441.9	441.7
117.5°	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1	503.3	503.5	503.1
120°	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1	544.1	544.1	543.7
122.5°	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3	584.1	583.9	583.5
125°	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5	643.1	642.6	642.3
127.5°	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3	702.1	701.9	701.6
130°	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3	741.0	740.8	740.5
132.5°	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5	778.3	778.1	777.7
135°	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9	835.9	835.9	835.5
137.5°	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8	892.1	892.3	891.9
140°	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0	927.5	927.9	927.6
142.5°	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5	961.8	962.1	961.6
145°	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2	1011.2	1011.2	1010.9
147.5°	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3	1057.8	1058.4	1057.9
150°	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2	1086.2	1086.2	1086.0
152.5°	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2	1113.8	1114.3	1114.2
155°	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9	1152.8	1153.7	1153.5
157.5°	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3	1186.2	1187.1	1186.8
160°	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6	1206.5	1207.4	1207.2
162.5°	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6	1225.6	1226.7	1226.6
165°	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1	1251.0	1251.9	1251.7
167.5°	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1	1270.4	1271.8	1271.8
170°	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4	1281.8	1283.1	1283.0
172.5°	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5	1289.9	1291.2	1291.2
175°	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6	1299.0	1300.4	1300.2
177.5°	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8	1302.9	1303.9	1303.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	11.3	11.2	11.4	11.9	11.4	11.2	11.3	10.8	10.8	10.2	9.6
90°	22.3	23.0	23.6	24.3	23.6	23.0	22.3	21.6	20.7	19.6	18.5
92.5°	46.3	46.8	47.3	47.8	47.3	46.8	46.3	45.8	44.9	43.4	41.9
95°	85.8	86.2	86.7	87.1	86.7	86.2	85.8	85.3	84.3	82.7	81.2
97.5°	131.3	131.6	131.9	132.1	131.9	131.6	131.3	131.0	130.2	128.7	127.2
100°	164.8	165.3	165.7	166.2	165.7	165.3	164.8	164.4	163.1	161.1	159.1
102.5°	198.3	199.0	199.6	200.2	199.6	199.0	198.3	197.7	196.3	194.1	191.9
105°	249.3	249.9	250.6	251.3	250.6	249.9	249.3	248.6	247.6	246.2	244.9
107.5°	303.7	303.7	303.6	303.6	303.6	303.7	303.7	303.8	303.4	302.8	302.1
110°	343.2	342.9	342.7	342.5	342.7	342.9	343.2	343.4	343.2	342.5	341.8



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	381.8	381.4	381.0	380.6	381.0	381.4	381.8	382.2	382.2	381.9	381.6
115°	441.4	441.2	441.0	440.8	441.0	441.2	441.4	441.7	441.9	442.1	442.3
117.5°	502.2	501.3	500.4	499.5	500.4	501.3	502.2	503.1	503.5	503.3	503.1
120°	542.8	541.9	541.0	540.1	541.0	541.9	542.8	543.7	544.1	544.1	544.1
122.5°	582.8	582.0	581.3	580.6	581.3	582.0	582.8	583.5	583.9	584.1	584.3
125°	642.1	641.8	641.6	641.4	641.6	641.8	642.1	642.3	642.6	643.1	643.5
127.5°	701.1	700.7	700.2	699.8	700.2	700.7	701.1	701.6	701.9	702.1	702.3
130°	740.0	739.6	739.1	738.7	739.1	739.6	740.0	740.5	740.8	741.0	741.3
132.5°	777.0	776.4	775.8	775.1	775.8	776.4	777.0	777.7	778.1	778.3	778.5
135°	834.6	833.7	832.8	831.9	832.8	833.7	834.6	835.5	835.9	835.9	835.9
137.5°	890.8	889.7	888.5	887.4	888.5	889.7	890.8	891.9	892.3	892.1	891.8
140°	926.5	925.3	924.2	923.1	924.2	925.3	926.5	927.6	927.9	927.5	927.0
142.5°	960.5	959.4	958.3	957.1	958.3	959.4	960.5	961.6	962.1	961.8	961.5
145°	1010.2	1009.5	1008.9	1008.2	1008.9	1009.5	1010.2	1010.9	1011.2	1011.2	1011.2
147.5°	1056.4	1054.8	1053.3	1051.8	1053.3	1054.8	1056.4	1057.9	1058.4	1057.8	1057.3
150°	1085.5	1085.1	1084.6	1084.2	1084.6	1085.1	1085.5	1086.0	1086.2	1086.2	1086.2
152.5°	1113.4	1112.6	1111.7	1110.9	1111.7	1112.6	1113.4	1114.2	1114.3	1113.8	1113.2
155°	1152.4	1151.3	1150.2	1149.0	1150.2	1151.3	1152.4	1153.5	1153.7	1152.8	1151.9
157.5°	1185.3	1183.8	1182.3	1180.9	1182.3	1183.8	1185.3	1186.8	1187.1	1186.2	1185.3
160°	1206.1	1205.0	1203.9	1202.7	1203.9	1205.0	1206.1	1207.2	1207.4	1206.5	1205.6
162.5°	1225.3	1224.0	1222.7	1221.4	1222.7	1224.0	1225.3	1226.6	1226.7	1225.6	1224.6
165°	1250.4	1249.0	1247.7	1246.3	1247.7	1249.0	1250.4	1251.7	1251.9	1251.0	1250.1
167.5°	1270.4	1269.0	1267.6	1266.2	1267.6	1269.0	1270.4	1271.8	1271.8	1270.4	1269.1
170°	1281.4	1279.9	1278.3	1276.7	1278.3	1279.9	1281.4	1283.0	1283.1	1281.8	1280.4
172.5°	1289.8	1288.4	1287.0	1285.6	1287.0	1288.4	1289.8	1291.2	1291.2	1289.9	1288.5
175°	1298.7	1297.1	1295.5	1293.9	1295.5	1297.1	1298.7	1300.2	1300.4	1299.0	1297.6
177.5°	1302.6	1301.3	1300.1	1298.8	1300.1	1301.3	1302.6	1303.8	1303.9	1302.9	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	8.6	8.6	7.9	7.6	7.1	7.0	6.3	5.7	5.2	5.0	5.2
90°	17.3	16.2	14.6	13.1	11.5	9.9	8.2	6.4	4.6	2.8	1.0
92.5°	40.4	38.9	37.0	35.0	33.1	31.2	29.6	28.3	27.0	25.8	24.5
95°	79.6	78.0	75.8	73.5	71.3	69.0	67.7	67.2	66.8	66.3	65.9
97.5°	125.7	124.2	121.1	118.0	114.9	111.8	110.2	110.0	109.8	109.6	109.4
100°	157.1	155.0	152.1	149.2	146.2	143.3	141.9	141.9	141.9	141.9	141.9
102.5°	189.7	187.5	186.0	184.5	183.0	181.5	180.3	179.4	178.5	177.6	176.7
105°	243.5	242.2	240.8	239.5	238.1	236.8	235.5	234.4	233.3	232.1	231.0
107.5°	301.4	300.7	299.7	298.7	297.6	296.6	295.5	294.4	293.3	292.1	291.0
110°	341.1	340.5	339.8	339.1	338.4	337.8	336.9	335.7	334.6	333.5	332.3



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	381.3	381.0	380.1	379.3	378.4	377.6	376.8	376.3	375.7	375.1	374.5
115°	442.6	442.8	442.3	441.9	441.4	441.0	440.3	439.4	438.5	437.6	436.7
117.5°	503.0	502.8	502.4	502.0	501.6	501.2	500.8	500.3	499.9	499.5	499.1
120°	544.1	544.1	543.9	543.7	543.4	543.2	542.5	541.4	540.3	539.2	538.0
122.5°	584.5	584.7	584.1	583.5	582.9	582.3	581.8	581.4	581.0	580.6	580.2
125°	644.0	644.4	644.2	644.0	643.8	643.5	642.7	641.4	640.0	638.7	637.3
127.5°	702.6	702.8	702.5	702.3	702.0	701.7	701.2	700.4	699.7	698.9	698.1
130°	741.5	741.7	741.3	740.8	740.4	739.9	739.1	738.0	736.9	735.7	734.6
132.5°	778.8	779.0	779.1	779.2	779.3	779.4	778.5	776.6	774.8	772.9	771.1
135°	835.9	835.9	835.7	835.5	835.3	835.0	834.3	832.9	831.5	830.2	828.8
137.5°	891.5	891.3	890.8	890.3	889.8	889.3	888.4	887.1	885.8	884.5	883.2
140°	926.6	926.1	925.4	924.8	924.1	923.4	922.5	921.4	920.3	919.1	918.0
142.5°	961.2	961.0	960.1	959.3	958.4	957.6	956.7	955.7	954.8	953.8	952.9
145°	1011.2	1011.2	1010.6	1009.9	1009.2	1008.5	1007.7	1006.8	1005.9	1005.0	1004.1
147.5°	1056.8	1056.2	1055.7	1055.1	1054.6	1054.1	1053.5	1053.0	1052.6	1052.1	1051.6
150°	1086.2	1086.2	1085.3	1084.4	1083.5	1082.6	1082.3	1082.5	1082.7	1083.0	1083.2
152.5°	1112.7	1112.2	1111.8	1111.4	1111.1	1110.7	1110.4	1110.1	1109.7	1109.4	1109.1
155°	1151.0	1150.1	1149.8	1149.6	1149.4	1149.1	1149.0	1149.0	1149.0	1149.0	1149.0
157.5°	1184.4	1183.5	1183.3	1183.0	1182.8	1182.6	1182.7	1183.2	1183.7	1184.2	1184.7
160°	1204.7	1203.8	1203.5	1203.3	1203.1	1202.9	1203.1	1203.8	1204.4	1205.1	1205.8
162.5°	1223.5	1222.4	1222.4	1222.3	1222.3	1222.2	1222.4	1222.9	1223.4	1223.9	1224.4
165°	1249.2	1248.3	1248.1	1247.9	1247.7	1247.4	1247.5	1248.0	1248.4	1248.9	1249.4
167.5°	1267.7	1266.4	1266.4	1266.4	1266.4	1266.4	1266.8	1267.7	1268.6	1269.5	1270.4
170°	1279.1	1277.7	1277.7	1277.7	1277.7	1277.7	1278.2	1279.1	1280.0	1280.9	1281.8
172.5°	1287.2	1285.8	1285.8	1285.8	1285.8	1285.8	1286.3	1287.2	1288.1	1289.0	1289.9
175°	1296.3	1294.9	1294.9	1294.9	1294.9	1294.9	1295.4	1296.3	1297.2	1298.1	1299.0
177.5°	1300.7	1299.6	1299.8	1300.0	1300.1	1300.3	1300.8	1301.5	1302.2	1302.9	1303.7
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.4	5.9	6.8	8.1	9.0	10.1	10.7	10.7	10.3	9.9	9.6
90°	2.8	4.6	6.4	8.2	9.9	11.5	13.1	14.6	16.2	17.3	18.5
92.5°	25.8	27.0	28.3	29.6	31.2	33.1	35.0	37.0	38.9	40.4	41.9
95°	66.3	66.8	67.2	67.7	69.0	71.3	73.5	75.8	78.0	79.6	81.2
97.5°	109.6	109.8	110.0	110.2	111.8	114.9	118.0	121.1	124.2	125.7	127.2
100°	141.9	141.9	141.9	141.9	143.3	146.2	149.2	152.1	155.0	157.1	159.1
102.5°	177.6	178.5	179.4	180.3	181.5	183.0	184.5	186.0	187.5	189.7	191.9
105°	232.1	233.3	234.4	235.5	236.8	238.1	239.5	240.8	242.2	243.5	244.9
107.5°	292.1	293.3	294.4	295.5	296.6	297.6	298.7	299.7	300.7	301.4	302.1
110°	333.5	334.6	335.7	336.9	337.8	338.4	339.1	339.8	340.5	341.1	341.8



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	375.1	375.7	376.3	376.8	377.6	378.4	379.3	380.1	381.0	381.3	381.6
115°	437.6	438.5	439.4	440.3	441.0	441.4	441.9	442.3	442.8	442.6	442.3
117.5°	499.5	499.9	500.3	500.8	501.2	501.6	502.0	502.4	502.8	503.0	503.1
120°	539.2	540.3	541.4	542.5	543.2	543.4	543.7	543.9	544.1	544.1	544.1
122.5°	580.6	581.0	581.4	581.8	582.3	582.9	583.5	584.1	584.7	584.5	584.3
125°	638.7	640.0	641.4	642.7	643.5	643.8	644.0	644.2	644.4	644.0	643.5
127.5°	698.9	699.7	700.4	701.2	701.7	702.0	702.3	702.5	702.8	702.6	702.3
130°	735.7	736.9	738.0	739.1	739.9	740.4	740.8	741.3	741.7	741.5	741.3
132.5°	772.9	774.8	776.6	778.5	779.4	779.3	779.2	779.1	779.0	778.8	778.5
135°	830.2	831.5	832.9	834.3	835.0	835.3	835.5	835.7	835.9	835.9	835.9
137.5°	884.5	885.8	887.1	888.4	889.3	889.8	890.3	890.8	891.3	891.5	891.8
140°	919.1	920.3	921.4	922.5	923.4	924.1	924.8	925.4	926.1	926.6	927.0
142.5°	953.8	954.8	955.7	956.7	957.6	958.4	959.3	960.1	961.0	961.2	961.5
145°	1005.0	1005.9	1006.8	1007.7	1008.5	1009.2	1009.9	1010.6	1011.2	1011.2	1011.2
147.5°	1052.1	1052.6	1053.0	1053.5	1054.1	1054.6	1055.1	1055.7	1056.2	1056.8	1057.3
150°	1083.0	1082.7	1082.5	1082.3	1082.6	1083.5	1084.4	1085.3	1086.2	1086.2	1086.2
152.5°	1109.4	1109.7	1110.1	1110.4	1110.7	1111.1	1111.4	1111.8	1112.2	1112.7	1113.2
155°	1149.0	1149.0	1149.0	1149.0	1149.1	1149.4	1149.6	1149.8	1150.1	1151.0	1151.9
157.5°	1184.2	1183.7	1183.2	1182.7	1182.6	1182.8	1183.0	1183.3	1183.5	1184.4	1185.3
160°	1205.1	1204.4	1203.8	1203.1	1202.9	1203.1	1203.3	1203.5	1203.8	1204.7	1205.6
162.5°	1223.9	1223.4	1222.9	1222.4	1222.2	1222.3	1222.3	1222.4	1222.4	1223.5	1224.6
165°	1248.9	1248.4	1248.0	1247.5	1247.4	1247.7	1247.9	1248.1	1248.3	1249.2	1250.1
167.5°	1269.5	1268.6	1267.7	1266.8	1266.4	1266.4	1266.4	1266.4	1266.4	1267.7	1269.1
170°	1280.9	1280.0	1279.1	1278.2	1277.7	1277.7	1277.7	1277.7	1277.7	1279.1	1280.4
172.5°	1289.0	1288.1	1287.2	1286.3	1285.8	1285.8	1285.8	1285.8	1285.8	1287.2	1288.5
175°	1298.1	1297.2	1296.3	1295.4	1294.9	1294.9	1294.9	1294.9	1294.9	1296.3	1297.6
177.5°	1302.9	1302.2	1301.5	1300.8	1300.3	1300.1	1300.0	1299.8	1299.6	1300.7	1301.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	9.8	9.3	9.5	9.4	9.6	9.5	9.3
90°	19.6	20.7	21.6	22.3	23.0	23.6	24.3
92.5°	43.4	44.9	45.8	46.3	46.8	47.3	47.8
95°	82.7	84.3	85.3	85.8	86.2	86.7	87.1
97.5°	128.7	130.2	131.0	131.3	131.6	131.9	132.1
100°	161.1	163.1	164.4	164.8	165.3	165.7	166.2
102.5°	194.1	196.3	197.7	198.3	199.0	199.6	200.2
105°	246.2	247.6	248.6	249.3	249.9	250.6	251.3
107.5°	302.8	303.4	303.8	303.7	303.7	303.6	303.6
110°	342.5	343.2	343.4	343.2	342.9	342.7	342.5



TEST NUMBER: P333353

CATALOG NUMBER: S125DIW-S375D1050U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	381.9	382.2	382.2	381.8	381.4	381.0	380.6
115°	442.1	441.9	441.7	441.4	441.2	441.0	440.8
117.5°	503.3	503.5	503.1	502.2	501.3	500.4	499.5
120°	544.1	544.1	543.7	542.8	541.9	541.0	540.1
122.5°	584.1	583.9	583.5	582.8	582.0	581.3	580.6
125°	643.1	642.6	642.3	642.1	641.8	641.6	641.4
127.5°	702.1	701.9	701.6	701.1	700.7	700.2	699.8
130°	741.0	740.8	740.5	740.0	739.6	739.1	738.7
132.5°	778.3	778.1	777.7	777.0	776.4	775.8	775.1
135°	835.9	835.9	835.5	834.6	833.7	832.8	831.9
137.5°	892.1	892.3	891.9	890.8	889.7	888.5	887.4
140°	927.5	927.9	927.6	926.5	925.3	924.2	923.1
142.5°	961.8	962.1	961.6	960.5	959.4	958.3	957.1
145°	1011.2	1011.2	1010.9	1010.2	1009.5	1008.9	1008.2
147.5°	1057.8	1058.4	1057.9	1056.4	1054.8	1053.3	1051.8
150°	1086.2	1086.2	1086.0	1085.5	1085.1	1084.6	1084.2
152.5°	1113.8	1114.3	1114.2	1113.4	1112.6	1111.7	1110.9
155°	1152.8	1153.7	1153.5	1152.4	1151.3	1150.2	1149.0
157.5°	1186.2	1187.1	1186.8	1185.3	1183.8	1182.3	1180.9
160°	1206.5	1207.4	1207.2	1206.1	1205.0	1203.9	1202.7
162.5°	1225.6	1226.7	1226.6	1225.3	1224.0	1222.7	1221.4
165°	1251.0	1251.9	1251.7	1250.4	1249.0	1247.7	1246.3
167.5°	1270.4	1271.8	1271.8	1270.4	1269.0	1267.6	1266.2
170°	1281.8	1283.1	1283.0	1281.4	1279.9	1278.3	1276.7
172.5°	1289.9	1291.2	1291.2	1289.8	1288.4	1287.0	1285.6
175°	1299.0	1300.4	1300.2	1298.7	1297.1	1295.5	1293.9
177.5°	1302.9	1303.9	1303.8	1302.6	1301.3	1300.1	1298.8
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0

(END OF REPORT)