

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: P333142

Luminaire Tested: **S125DIP-S375D1035U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333142
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: S125DIP-S375D1035U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5675.2 lumens
Efficiency: N/A
Efficacy: 152.1 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

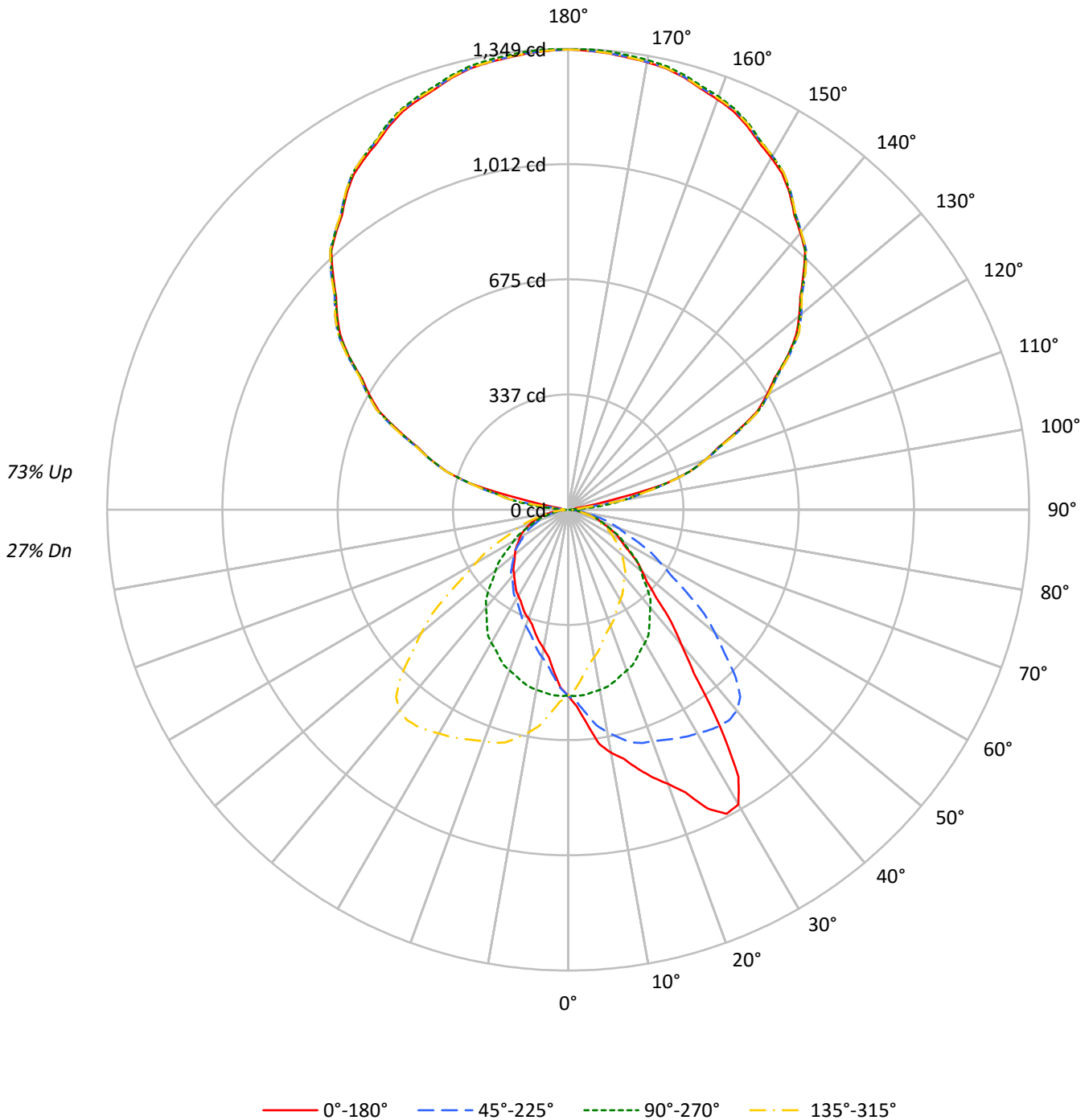
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	24	23	22	17
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	57	48	42	37	38	33	30	29	25	23	20	18	16	12
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14	11
7	55	43	35	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	19	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9	7

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	0.9
10°-20°	156.0	2.7
20°-30°	253.4	4.5
30°-40°	309.1	5.4
40°-50°	281.2	5.0
50°-60°	224.0	3.9
60°-70°	156.0	2.7
70°-80°	83.2	1.5
80°-90°	23.8	0.4
90°-100°	49.0	0.9
100°-110°	301.7	5.3
110°-120°	547.1	9.6
120°-130°	702.2	12.4
130°-140°	755.2	13.3
140°-150°	708.9	12.5
150°-160°	573.4	10.1
160°-170°	370.9	6.5
170°-180°	127.9	2.3
0°-30°	461.8	8.1
0°-40°	770.9	13.6
0°-60°	1276.0	22.5
0°-90°	1539.0	27.1
90°-120°	897.7	15.8
90°-150°	3064.0	54.0
90°-180°	4136.0	72.9
0°-180°	5675.2	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	11
95°	21	57	21	57	21	17
105°	296	294	296	294	296	268
115°	547	551	547	551	547	543
125°	784	784	784	784	784	697
135°	974	978	974	978	974	751
145°	1130	1133	1130	1133	1130	706
155°	1239	1248	1239	1248	1239	571
165°	1310	1317	1310	1317	1310	370
175°	1341	1347	1341	1347	1341	128
180°	1347	1347	1347	1347	1347	



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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°	9.2	9.5	9.5	9.4	9.4	9.3	9.8	9.6	9.9	10.2	10.6
90°	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2	17.1	16.0	14.4
92.5°	22.4	22.1	21.7	21.4	21.1	20.4	19.3	18.2	17.1	16.0	14.6
95°	21.0	21.0	21.0	21.0	21.0	20.4	19.3	18.2	17.1	16.0	24.4
97.5°	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.6	42.9	49.1	65.8
100°	21.0	21.9	22.7	23.6	24.5	41.5	74.6	107.6	140.7	173.7	172.8
102.5°	125.6	140.7	155.8	170.9	186.0	196.6	202.9	209.1	215.4	221.7	221.1
105°	296.5	296.8	297.0	297.2	297.4	297.5	297.5	297.5	297.5	297.5	297.5
107.5°	373.8	374.5	375.2	375.8	376.5	376.8	376.8	376.7	376.7	376.6	376.2
110°	427.3	427.1	426.9	426.7	426.5	426.7	427.3	428.0	428.7	429.3	428.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	475.3	475.6	475.9	476.2	476.5	477.1	477.9	478.8	479.6	480.5	480.2
115°	547.2	548.5	549.8	551.2	552.5	553.6	554.5	555.4	556.3	557.1	556.9
117.5°	623.8	624.4	625.0	625.6	626.1	627.0	628.2	629.3	630.5	631.6	630.8
120°	671.0	672.1	673.2	674.3	675.4	676.2	676.6	677.1	677.5	678.0	677.3
122.5°	715.7	717.0	718.3	719.6	720.8	721.7	722.2	722.6	723.0	723.5	723.2
125°	783.8	784.5	785.1	785.8	786.5	787.2	788.1	789.0	789.9	790.8	790.8
127.5°	841.1	842.8	844.4	846.0	847.7	848.7	849.2	849.7	850.2	850.7	850.8
130°	882.6	883.8	884.9	886.0	887.1	888.0	888.6	889.3	890.0	890.6	890.4
132.5°	921.0	922.1	923.2	924.3	925.4	926.0	926.2	926.3	926.4	926.6	927.1
135°	973.5	974.8	976.2	977.5	978.8	979.7	980.2	980.6	981.0	981.5	981.9
137.5°	1026.2	1027.4	1028.5	1029.7	1030.8	1031.4	1031.3	1031.2	1031.1	1031.0	1031.4
140°	1057.4	1058.7	1060.0	1061.4	1062.7	1063.1	1062.7	1062.3	1061.8	1061.4	1061.6
142.5°	1086.9	1088.3	1089.6	1090.9	1092.3	1092.9	1092.8	1092.7	1092.6	1092.5	1092.2
145°	1130.3	1131.6	1132.9	1134.3	1135.6	1136.1	1135.9	1135.7	1135.5	1135.3	1135.3
147.5°	1166.0	1167.6	1169.2	1170.8	1172.4	1173.1	1172.8	1172.5	1172.3	1172.0	1171.7
150°	1189.2	1190.9	1192.7	1194.5	1196.3	1196.9	1196.5	1196.1	1195.6	1195.2	1194.7
152.5°	1210.7	1212.3	1213.9	1215.5	1217.1	1217.7	1217.3	1216.8	1216.4	1215.9	1215.5
155°	1239.1	1240.9	1242.6	1244.4	1246.2	1246.8	1246.1	1245.4	1244.8	1244.1	1243.6
157.5°	1262.9	1264.6	1266.4	1268.2	1270.0	1270.5	1269.8	1269.1	1268.4	1267.7	1267.6
160°	1278.0	1279.8	1281.6	1283.4	1285.1	1285.6	1284.7	1283.8	1282.9	1282.0	1281.8
162.5°	1291.6	1293.6	1295.5	1297.5	1299.4	1299.8	1298.5	1297.3	1296.1	1294.8	1294.6
165°	1310.0	1311.8	1313.5	1315.3	1317.1	1317.3	1316.0	1314.6	1313.3	1312.0	1311.8
167.5°	1322.8	1324.8	1326.8	1328.8	1330.8	1331.0	1329.4	1327.8	1326.2	1324.6	1324.3
170°	1330.0	1332.0	1334.0	1335.9	1337.9	1338.1	1336.3	1334.5	1332.7	1331.0	1330.7
172.5°	1334.8	1336.7	1338.7	1340.7	1342.7	1342.9	1341.3	1339.7	1338.1	1336.5	1336.1
175°	1340.9	1342.9	1344.9	1346.9	1348.9	1349.0	1347.3	1345.5	1343.7	1341.9	1341.7
177.5°	1344.5	1346.0	1347.4	1348.8	1350.2	1350.3	1349.1	1347.8	1346.6	1345.3	1345.2
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



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CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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	10.0	9.0	8.1	6.8	5.9	5.4	5.2	5.0	5.2	5.7
90°	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0	2.8	4.5	6.3
92.5°	13.2	11.8	10.5	10.4	11.6	12.9	14.1	15.4	14.1	12.9	11.6
95°	32.8	41.3	49.7	54.3	54.9	55.6	56.2	56.9	56.2	55.6	54.9
97.5°	82.5	99.2	115.9	123.6	122.4	121.2	120.0	118.8	120.0	121.2	122.4
100°	172.0	171.1	170.2	169.4	168.7	168.1	167.4	166.7	167.4	168.1	168.7
102.5°	220.6	220.1	219.5	218.8	218.0	217.2	216.3	215.5	216.3	217.2	218.0
105°	297.5	297.5	297.5	297.1	296.2	295.3	294.4	293.5	294.4	295.3	296.2
107.5°	375.7	375.3	374.8	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
110°	428.5	428.0	427.6	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	479.9	479.7	479.4	479.0	478.5	477.9	477.4	476.9	477.4	477.9	478.5
115°	556.7	556.5	556.3	555.6	554.5	553.4	552.3	551.2	552.3	553.4	554.5
117.5°	629.9	629.1	628.3	627.9	627.9	627.9	628.0	628.0	628.0	627.9	627.9
120°	676.6	676.0	675.3	675.1	675.3	675.5	675.7	676.0	675.7	675.5	675.3
122.5°	722.9	722.6	722.2	721.7	720.8	720.0	719.1	718.3	719.1	720.0	720.8
125°	790.8	790.8	790.8	790.0	788.5	786.9	785.3	783.8	785.3	786.9	788.5
127.5°	851.0	851.1	851.2	850.7	849.6	848.5	847.4	846.3	847.4	848.5	849.6
130°	890.2	890.0	889.7	889.1	888.0	886.9	885.8	884.6	885.8	886.9	888.0
132.5°	927.6	928.0	928.5	928.1	926.8	925.6	924.3	923.0	924.3	925.6	926.8
135°	982.4	982.8	983.3	982.8	981.5	980.2	978.8	977.5	978.8	980.2	981.5
137.5°	1031.8	1032.2	1032.6	1032.2	1031.1	1029.9	1028.8	1027.6	1028.8	1029.9	1031.1
140°	1061.8	1062.0	1062.3	1062.1	1061.7	1061.3	1060.8	1060.4	1060.8	1061.3	1061.7
142.5°	1091.9	1091.6	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9	1090.2	1090.5	1090.7
145°	1135.3	1135.3	1135.3	1135.0	1134.6	1134.1	1133.7	1133.3	1133.7	1134.1	1134.6
147.5°	1171.5	1171.2	1170.9	1170.8	1170.9	1171.0	1171.1	1171.2	1171.1	1171.0	1170.9
150°	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1194.7	1194.3	1193.8
152.5°	1215.0	1214.6	1214.2	1214.4	1215.4	1216.4	1217.4	1218.3	1217.4	1216.4	1215.4
155°	1243.2	1242.8	1242.3	1242.8	1244.1	1245.4	1246.8	1248.1	1246.8	1245.4	1244.1
157.5°	1267.6	1267.5	1267.5	1267.9	1268.7	1269.5	1270.2	1271.0	1270.2	1269.5	1268.7
160°	1281.6	1281.4	1281.1	1281.7	1283.0	1284.4	1285.7	1287.0	1285.7	1284.4	1283.0
162.5°	1294.4	1294.1	1293.9	1294.5	1295.8	1297.1	1298.5	1299.8	1298.5	1297.1	1295.8
165°	1311.5	1311.3	1311.1	1311.7	1313.0	1314.3	1315.6	1317.0	1315.6	1314.3	1313.0
167.5°	1324.1	1323.9	1323.7	1324.3	1325.6	1327.0	1328.4	1329.8	1328.4	1327.0	1325.6
170°	1330.5	1330.3	1330.1	1330.7	1332.3	1333.8	1335.4	1336.9	1335.4	1333.8	1332.3
172.5°	1335.7	1335.3	1335.0	1335.5	1337.1	1338.6	1340.2	1341.7	1340.2	1338.6	1337.1
175°	1341.5	1341.3	1341.1	1341.6	1342.9	1344.3	1345.6	1346.9	1345.6	1344.3	1342.9
177.5°	1345.0	1344.8	1344.6	1345.1	1346.1	1347.2	1348.3	1349.3	1348.3	1347.2	1346.1
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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°	6.2	6.9	7.1	7.6	7.9	8.6	8.6	9.6	10.1	10.7	10.7
90°	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2	19.3	20.4	21.3
92.5°	10.4	10.5	11.8	13.2	14.6	16.0	17.1	18.2	19.3	20.4	21.1
95°	54.3	49.7	41.3	32.8	24.4	16.0	17.1	18.2	19.3	20.4	21.0
97.5°	123.6	115.9	99.2	82.5	65.8	49.1	42.9	36.6	30.4	24.1	21.0
100°	169.4	170.2	171.1	172.0	172.8	173.7	140.7	107.6	74.6	41.5	24.5
102.5°	218.8	219.5	220.1	220.6	221.1	221.7	215.4	209.1	202.9	196.6	186.0
105°	297.1	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.4
107.5°	374.6	374.8	375.3	375.7	376.2	376.6	376.7	376.7	376.8	376.8	376.5
110°	427.3	427.6	428.0	428.5	428.9	429.3	428.7	428.0	427.3	426.7	426.5



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	479.0	479.4	479.7	479.9	480.2	480.5	479.6	478.8	477.9	477.1	476.5
115°	555.6	556.3	556.5	556.7	556.9	557.1	556.3	555.4	554.5	553.6	552.5
117.5°	627.9	628.3	629.1	629.9	630.8	631.6	630.5	629.3	628.2	627.0	626.1
120°	675.1	675.3	676.0	676.6	677.3	678.0	677.5	677.1	676.6	676.2	675.4
122.5°	721.7	722.2	722.6	722.9	723.2	723.5	723.0	722.6	722.2	721.7	720.8
125°	790.0	790.8	790.8	790.8	790.8	790.8	789.9	789.0	788.1	787.2	786.5
127.5°	850.7	851.2	851.1	851.0	850.8	850.7	850.2	849.7	849.2	848.7	847.7
130°	889.1	889.7	890.0	890.2	890.4	890.6	890.0	889.3	888.6	888.0	887.1
132.5°	928.1	928.5	928.0	927.6	927.1	926.6	926.4	926.3	926.2	926.0	925.4
135°	982.8	983.3	982.8	982.4	981.9	981.5	981.0	980.6	980.2	979.7	978.8
137.5°	1032.2	1032.6	1032.2	1031.8	1031.4	1031.0	1031.1	1031.2	1031.3	1031.4	1030.8
140°	1062.1	1062.3	1062.0	1061.8	1061.6	1061.4	1061.8	1062.3	1062.7	1063.1	1062.7
142.5°	1091.0	1091.3	1091.6	1091.9	1092.2	1092.5	1092.6	1092.7	1092.8	1092.9	1092.3
145°	1135.0	1135.3	1135.3	1135.3	1135.3	1135.3	1135.5	1135.7	1135.9	1136.1	1135.6
147.5°	1170.8	1170.9	1171.2	1171.5	1171.7	1172.0	1172.3	1172.5	1172.8	1173.1	1172.4
150°	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1195.6	1196.1	1196.5	1196.9	1196.3
152.5°	1214.4	1214.2	1214.6	1215.0	1215.5	1215.9	1216.4	1216.8	1217.3	1217.7	1217.1
155°	1242.8	1242.3	1242.8	1243.2	1243.6	1244.1	1244.8	1245.4	1246.1	1246.8	1246.2
157.5°	1267.9	1267.5	1267.5	1267.6	1267.6	1267.7	1268.4	1269.1	1269.8	1270.5	1270.0
160°	1281.7	1281.1	1281.4	1281.6	1281.8	1282.0	1282.9	1283.8	1284.7	1285.6	1285.1
162.5°	1294.5	1293.9	1294.1	1294.4	1294.6	1294.8	1296.1	1297.3	1298.5	1299.8	1299.4
165°	1311.7	1311.1	1311.3	1311.5	1311.8	1312.0	1313.3	1314.6	1316.0	1317.3	1317.1
167.5°	1324.3	1323.7	1323.9	1324.1	1324.3	1324.6	1326.2	1327.8	1329.4	1331.0	1330.8
170°	1330.7	1330.1	1330.3	1330.5	1330.7	1331.0	1332.7	1334.5	1336.3	1338.1	1337.9
172.5°	1335.5	1335.0	1335.3	1335.7	1336.1	1336.5	1338.1	1339.7	1341.3	1342.9	1342.7
175°	1341.6	1341.1	1341.3	1341.5	1341.7	1341.9	1343.7	1345.5	1347.3	1349.0	1348.9
177.5°	1345.1	1344.6	1344.8	1345.0	1345.2	1345.3	1346.6	1347.8	1349.1	1350.3	1350.2
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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°	11.2	11.2	11.3	11.8	11.3	11.2	11.2	10.7	10.7	10.1	9.6
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2
92.5°	21.4	21.7	22.1	22.4	22.1	21.7	21.4	21.1	20.4	19.3	18.2
95°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.3	18.2
97.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.6
100°	23.6	22.7	21.9	21.0	21.9	22.7	23.6	24.5	41.5	74.6	107.6
102.5°	170.9	155.8	140.7	125.6	140.7	155.8	170.9	186.0	196.6	202.9	209.1
105°	297.2	297.0	296.8	296.5	296.8	297.0	297.2	297.4	297.5	297.5	297.5
107.5°	375.8	375.2	374.5	373.8	374.5	375.2	375.8	376.5	376.8	376.8	376.7
110°	426.7	426.9	427.1	427.3	427.1	426.9	426.7	426.5	426.7	427.3	428.0



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	476.2	475.9	475.6	475.3	475.6	475.9	476.2	476.5	477.1	477.9	478.8
115°	551.2	549.8	548.5	547.2	548.5	549.8	551.2	552.5	553.6	554.5	555.4
117.5°	625.6	625.0	624.4	623.8	624.4	625.0	625.6	626.1	627.0	628.2	629.3
120°	674.3	673.2	672.1	671.0	672.1	673.2	674.3	675.4	676.2	676.6	677.1
122.5°	719.6	718.3	717.0	715.7	717.0	718.3	719.6	720.8	721.7	722.2	722.6
125°	785.8	785.1	784.5	783.8	784.5	785.1	785.8	786.5	787.2	788.1	789.0
127.5°	846.0	844.4	842.8	841.1	842.8	844.4	846.0	847.7	848.7	849.2	849.7
130°	886.0	884.9	883.8	882.6	883.8	884.9	886.0	887.1	888.0	888.6	889.3
132.5°	924.3	923.2	922.1	921.0	922.1	923.2	924.3	925.4	926.0	926.2	926.3
135°	977.5	976.2	974.8	973.5	974.8	976.2	977.5	978.8	979.7	980.2	980.6
137.5°	1029.7	1028.5	1027.4	1026.2	1027.4	1028.5	1029.7	1030.8	1031.4	1031.3	1031.2
140°	1061.4	1060.0	1058.7	1057.4	1058.7	1060.0	1061.4	1062.7	1063.1	1062.7	1062.3
142.5°	1090.9	1089.6	1088.3	1086.9	1088.3	1089.6	1090.9	1092.3	1092.9	1092.8	1092.7
145°	1134.3	1132.9	1131.6	1130.3	1131.6	1132.9	1134.3	1135.6	1136.1	1135.9	1135.7
147.5°	1170.8	1169.2	1167.6	1166.0	1167.6	1169.2	1170.8	1172.4	1173.1	1172.8	1172.5
150°	1194.5	1192.7	1190.9	1189.2	1190.9	1192.7	1194.5	1196.3	1196.9	1196.5	1196.1
152.5°	1215.5	1213.9	1212.3	1210.7	1212.3	1213.9	1215.5	1217.1	1217.7	1217.3	1216.8
155°	1244.4	1242.6	1240.9	1239.1	1240.9	1242.6	1244.4	1246.2	1246.8	1246.1	1245.4
157.5°	1268.2	1266.4	1264.6	1262.9	1264.6	1266.4	1268.2	1270.0	1270.5	1269.8	1269.1
160°	1283.4	1281.6	1279.8	1278.0	1279.8	1281.6	1283.4	1285.1	1285.6	1284.7	1283.8
162.5°	1297.5	1295.5	1293.6	1291.6	1293.6	1295.5	1297.5	1299.4	1299.8	1298.5	1297.3
165°	1315.3	1313.5	1311.8	1310.0	1311.8	1313.5	1315.3	1317.1	1317.3	1316.0	1314.6
167.5°	1328.8	1326.8	1324.8	1322.8	1324.8	1326.8	1328.8	1330.8	1331.0	1329.4	1327.8
170°	1335.9	1334.0	1332.0	1330.0	1332.0	1334.0	1335.9	1337.9	1338.1	1336.3	1334.5
172.5°	1340.7	1338.7	1336.7	1334.8	1336.7	1338.7	1340.7	1342.7	1342.9	1341.3	1339.7
175°	1346.9	1344.9	1342.9	1340.9	1342.9	1344.9	1346.9	1348.9	1349.0	1347.3	1345.5
177.5°	1348.8	1347.4	1346.0	1344.5	1346.0	1347.4	1348.8	1350.2	1350.3	1349.1	1347.8
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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	6.9	6.2	5.7	5.2	5.0	5.2
90°	17.1	16.0	14.4	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0
92.5°	17.1	16.0	14.6	13.2	11.8	10.5	10.4	11.6	12.9	14.1	15.4
95°	17.1	16.0	24.4	32.8	41.3	49.7	54.3	54.9	55.6	56.2	56.9
97.5°	42.9	49.1	65.8	82.5	99.2	115.9	123.6	122.4	121.2	120.0	118.8
100°	140.7	173.7	172.8	172.0	171.1	170.2	169.4	168.7	168.1	167.4	166.7
102.5°	215.4	221.7	221.1	220.6	220.1	219.5	218.8	218.0	217.2	216.3	215.5
105°	297.5	297.5	297.5	297.5	297.5	297.5	297.1	296.2	295.3	294.4	293.5
107.5°	376.7	376.6	376.2	375.7	375.3	374.8	374.6	374.6	374.6	374.6	374.6
110°	428.7	429.3	428.9	428.5	428.0	427.6	427.3	427.3	427.3	427.3	427.3



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	479.6	480.5	480.2	479.9	479.7	479.4	479.0	478.5	477.9	477.4	476.9
115°	556.3	557.1	556.9	556.7	556.5	556.3	555.6	554.5	553.4	552.3	551.2
117.5°	630.5	631.6	630.8	629.9	629.1	628.3	627.9	627.9	627.9	628.0	628.0
120°	677.5	678.0	677.3	676.6	676.0	675.3	675.1	675.3	675.5	675.7	676.0
122.5°	723.0	723.5	723.2	722.9	722.6	722.2	721.7	720.8	720.0	719.1	718.3
125°	789.9	790.8	790.8	790.8	790.8	790.8	790.0	788.5	786.9	785.3	783.8
127.5°	850.2	850.7	850.8	851.0	851.1	851.2	850.7	849.6	848.5	847.4	846.3
130°	890.0	890.6	890.4	890.2	890.0	889.7	889.1	888.0	886.9	885.8	884.6
132.5°	926.4	926.6	927.1	927.6	928.0	928.5	928.1	926.8	925.6	924.3	923.0
135°	981.0	981.5	981.9	982.4	982.8	983.3	982.8	981.5	980.2	978.8	977.5
137.5°	1031.1	1031.0	1031.4	1031.8	1032.2	1032.6	1032.2	1031.1	1029.9	1028.8	1027.6
140°	1061.8	1061.4	1061.6	1061.8	1062.0	1062.3	1062.1	1061.7	1061.3	1060.8	1060.4
142.5°	1092.6	1092.5	1092.2	1091.9	1091.6	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9
145°	1135.5	1135.3	1135.3	1135.3	1135.3	1135.3	1135.0	1134.6	1134.1	1133.7	1133.3
147.5°	1172.3	1172.0	1171.7	1171.5	1171.2	1170.9	1170.8	1170.9	1171.0	1171.1	1171.2
150°	1195.6	1195.2	1194.7	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2
152.5°	1216.4	1215.9	1215.5	1215.0	1214.6	1214.2	1214.4	1215.4	1216.4	1217.4	1218.3
155°	1244.8	1244.1	1243.6	1243.2	1242.8	1242.3	1242.8	1244.1	1245.4	1246.8	1248.1
157.5°	1268.4	1267.7	1267.6	1267.6	1267.5	1267.5	1267.9	1268.7	1269.5	1270.2	1271.0
160°	1282.9	1282.0	1281.8	1281.6	1281.4	1281.1	1281.7	1283.0	1284.4	1285.7	1287.0
162.5°	1296.1	1294.8	1294.6	1294.4	1294.1	1293.9	1294.5	1295.8	1297.1	1298.5	1299.8
165°	1313.3	1312.0	1311.8	1311.5	1311.3	1311.1	1311.7	1313.0	1314.3	1315.6	1317.0
167.5°	1326.2	1324.6	1324.3	1324.1	1323.9	1323.7	1324.3	1325.6	1327.0	1328.4	1329.8
170°	1332.7	1331.0	1330.7	1330.5	1330.3	1330.1	1330.7	1332.3	1333.8	1335.4	1336.9
172.5°	1338.1	1336.5	1336.1	1335.7	1335.3	1335.0	1335.5	1337.1	1338.6	1340.2	1341.7
175°	1343.7	1341.9	1341.7	1341.5	1341.3	1341.1	1341.6	1342.9	1344.3	1345.6	1346.9
177.5°	1346.6	1345.3	1345.2	1345.0	1344.8	1344.6	1345.1	1346.1	1347.2	1348.3	1349.3
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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	10.0	10.7	10.6	10.2	9.9	9.6
90°	2.8	4.5	6.3	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2
92.5°	14.1	12.9	11.6	10.4	10.5	11.8	13.2	14.6	16.0	17.1	18.2
95°	56.2	55.6	54.9	54.3	49.7	41.3	32.8	24.4	16.0	17.1	18.2
97.5°	120.0	121.2	122.4	123.6	115.9	99.2	82.5	65.8	49.1	42.9	36.6
100°	167.4	168.1	168.7	169.4	170.2	171.1	172.0	172.8	173.7	140.7	107.6
102.5°	216.3	217.2	218.0	218.8	219.5	220.1	220.6	221.1	221.7	215.4	209.1
105°	294.4	295.3	296.2	297.1	297.5	297.5	297.5	297.5	297.5	297.5	297.5
107.5°	374.6	374.6	374.6	374.6	374.8	375.3	375.7	376.2	376.6	376.7	376.7
110°	427.3	427.3	427.3	427.3	427.6	428.0	428.5	428.9	429.3	428.7	428.0



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	477.4	477.9	478.5	479.0	479.4	479.7	479.9	480.2	480.5	479.6	478.8
115°	552.3	553.4	554.5	555.6	556.3	556.5	556.7	556.9	557.1	556.3	555.4
117.5°	628.0	627.9	627.9	627.9	628.3	629.1	629.9	630.8	631.6	630.5	629.3
120°	675.7	675.5	675.3	675.1	675.3	676.0	676.6	677.3	678.0	677.5	677.1
122.5°	719.1	720.0	720.8	721.7	722.2	722.6	722.9	723.2	723.5	723.0	722.6
125°	785.3	786.9	788.5	790.0	790.8	790.8	790.8	790.8	790.8	789.9	789.0
127.5°	847.4	848.5	849.6	850.7	851.2	851.1	851.0	850.8	850.7	850.2	849.7
130°	885.8	886.9	888.0	889.1	889.7	890.0	890.2	890.4	890.6	890.0	889.3
132.5°	924.3	925.6	926.8	928.1	928.5	928.0	927.6	927.1	926.6	926.4	926.3
135°	978.8	980.2	981.5	982.8	983.3	982.8	982.4	981.9	981.5	981.0	980.6
137.5°	1028.8	1029.9	1031.1	1032.2	1032.6	1032.2	1031.8	1031.4	1031.0	1031.1	1031.2
140°	1060.8	1061.3	1061.7	1062.1	1062.3	1062.0	1061.8	1061.6	1061.4	1061.8	1062.3
142.5°	1090.2	1090.5	1090.7	1091.0	1091.3	1091.6	1091.9	1092.2	1092.5	1092.6	1092.7
145°	1133.7	1134.1	1134.6	1135.0	1135.3	1135.3	1135.3	1135.3	1135.3	1135.5	1135.7
147.5°	1171.1	1171.0	1170.9	1170.8	1170.9	1171.2	1171.5	1171.7	1172.0	1172.3	1172.5
150°	1194.7	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1195.6	1196.1
152.5°	1217.4	1216.4	1215.4	1214.4	1214.2	1214.6	1215.0	1215.5	1215.9	1216.4	1216.8
155°	1246.8	1245.4	1244.1	1242.8	1242.3	1242.8	1243.2	1243.6	1244.1	1244.8	1245.4
157.5°	1270.2	1269.5	1268.7	1267.9	1267.5	1267.5	1267.6	1267.6	1267.7	1268.4	1269.1
160°	1285.7	1284.4	1283.0	1281.7	1281.1	1281.4	1281.6	1281.8	1282.0	1282.9	1283.8
162.5°	1298.5	1297.1	1295.8	1294.5	1293.9	1294.1	1294.4	1294.6	1294.8	1296.1	1297.3
165°	1315.6	1314.3	1313.0	1311.7	1311.1	1311.3	1311.5	1311.8	1312.0	1313.3	1314.6
167.5°	1328.4	1327.0	1325.6	1324.3	1323.7	1323.9	1324.1	1324.3	1324.6	1326.2	1327.8
170°	1335.4	1333.8	1332.3	1330.7	1330.1	1330.3	1330.5	1330.7	1331.0	1332.7	1334.5
172.5°	1340.2	1338.6	1337.1	1335.5	1335.0	1335.3	1335.7	1336.1	1336.5	1338.1	1339.7
175°	1345.6	1344.3	1342.9	1341.6	1341.1	1341.3	1341.5	1341.7	1341.9	1343.7	1345.5
177.5°	1348.3	1347.2	1346.1	1345.1	1344.6	1344.8	1345.0	1345.2	1345.3	1346.6	1347.8
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

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	9.4	9.4	9.5	9.5	9.2
90°	19.3	20.4	21.3	22.0	22.6	23.3	24.0
92.5°	19.3	20.4	21.1	21.4	21.7	22.1	22.4
95°	19.3	20.4	21.0	21.0	21.0	21.0	21.0
97.5°	30.4	24.1	21.0	21.0	21.0	21.0	21.0
100°	74.6	41.5	24.5	23.6	22.7	21.9	21.0
102.5°	202.9	196.6	186.0	170.9	155.8	140.7	125.6
105°	297.5	297.5	297.4	297.2	297.0	296.8	296.5
107.5°	376.8	376.8	376.5	375.8	375.2	374.5	373.8
110°	427.3	426.7	426.5	426.7	426.9	427.1	427.3



TEST NUMBER: P333142

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	477.9	477.1	476.5	476.2	475.9	475.6	475.3
115°	554.5	553.6	552.5	551.2	549.8	548.5	547.2
117.5°	628.2	627.0	626.1	625.6	625.0	624.4	623.8
120°	676.6	676.2	675.4	674.3	673.2	672.1	671.0
122.5°	722.2	721.7	720.8	719.6	718.3	717.0	715.7
125°	788.1	787.2	786.5	785.8	785.1	784.5	783.8
127.5°	849.2	848.7	847.7	846.0	844.4	842.8	841.1
130°	888.6	888.0	887.1	886.0	884.9	883.8	882.6
132.5°	926.2	926.0	925.4	924.3	923.2	922.1	921.0
135°	980.2	979.7	978.8	977.5	976.2	974.8	973.5
137.5°	1031.3	1031.4	1030.8	1029.7	1028.5	1027.4	1026.2
140°	1062.7	1063.1	1062.7	1061.4	1060.0	1058.7	1057.4
142.5°	1092.8	1092.9	1092.3	1090.9	1089.6	1088.3	1086.9
145°	1135.9	1136.1	1135.6	1134.3	1132.9	1131.6	1130.3
147.5°	1172.8	1173.1	1172.4	1170.8	1169.2	1167.6	1166.0
150°	1196.5	1196.9	1196.3	1194.5	1192.7	1190.9	1189.2
152.5°	1217.3	1217.7	1217.1	1215.5	1213.9	1212.3	1210.7
155°	1246.1	1246.8	1246.2	1244.4	1242.6	1240.9	1239.1
157.5°	1269.8	1270.5	1270.0	1268.2	1266.4	1264.6	1262.9
160°	1284.7	1285.6	1285.1	1283.4	1281.6	1279.8	1278.0
162.5°	1298.5	1299.8	1299.4	1297.5	1295.5	1293.6	1291.6
165°	1316.0	1317.3	1317.1	1315.3	1313.5	1311.8	1310.0
167.5°	1329.4	1331.0	1330.8	1328.8	1326.8	1324.8	1322.8
170°	1336.3	1338.1	1337.9	1335.9	1334.0	1332.0	1330.0
172.5°	1341.3	1342.9	1342.7	1340.7	1338.7	1336.7	1334.8
175°	1347.3	1349.0	1348.9	1346.9	1344.9	1342.9	1340.9
177.5°	1349.1	1350.3	1350.2	1348.8	1347.4	1346.0	1344.5
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9

(END OF REPORT)