

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: P333143

Luminaire Tested: **S125DIP-S375D1035U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333143
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: S125DIP-S375D1035U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5118.8 lumens
Efficiency: N/A
Efficacy: 137.2 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

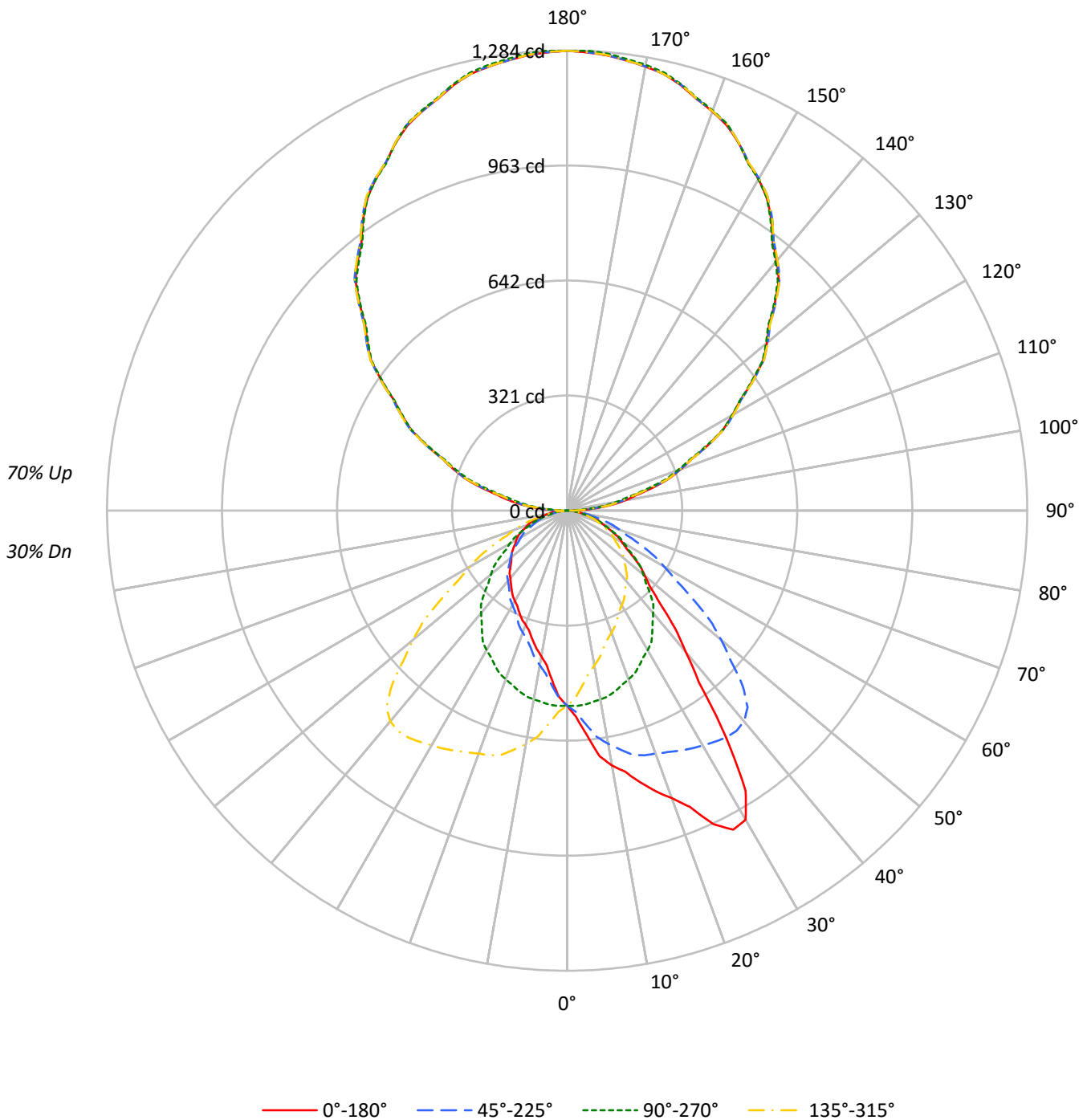
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	47	45	34	33	32	26				
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	28	27	22				
3	78	69	62	56	69	62	56	51	49	45	42	37	35	32	26	25	23	18				
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16				
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	18	14				
6	60	48	41	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	18	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	33	26	22	26	22	18	20	17	15	15	13	11	9				
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	12	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



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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	5.5
50°-60°	224.0	4.4
60°-70°	156.0	3.0
70°-80°	83.2	1.6
80°-90°	23.8	0.5
90°-100°	85.9	1.7
100°-110°	253.7	5.0
110°-120°	429.8	8.4
120°-130°	565.6	11.0
130°-140°	633.8	12.4
140°-150°	621.1	12.1
150°-160°	521.7	10.2
160°-170°	346.8	6.8
170°-180°	121.4	2.4
0°-30°	461.8	9.0
0°-40°	770.9	15.1
0°-60°	1276.0	24.9
0°-90°	1539.0	30.1
90°-120°	769.4	15.0
90°-150°	2589.9	50.6
90°-180°	3580.0	69.9
0°-180°	5118.8	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°	86	65	86	65	86	87
105°	248	228	248	228	248	262
115°	434	430	434	430	434	430
125°	632	628	632	628	632	564
135°	820	817	820	817	820	632
145°	993	989	993	989	993	620
155°	1132	1132	1132	1132	1132	521
165°	1228	1231	1228	1231	1228	346
175°	1275	1280	1275	1280	1275	121
180°	1283	1283	1283	1283	1283	



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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°	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3	39.8	38.3	36.4
95°	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0	78.4	76.9	74.7
97.5°	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3	123.9	122.4	119.3
100°	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7	154.7	152.7	149.9
102.5°	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0	186.9	184.7	183.2
105°	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3	239.9	238.6	237.3
107.5°	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6	297.0	296.3	295.3
110°	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8	336.1	335.4	334.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0	375.7	375.4	374.5
115°	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8	436.1	436.3	435.8
117.5°	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7	495.6	495.4	495.0
120°	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1	536.1	536.1	535.9
122.5°	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7	575.9	576.0	575.5
125°	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1	634.5	635.0	634.7
127.5°	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0	692.2	692.5	692.2
130°	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3	730.6	730.8	730.3
132.5°	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1	767.3	767.5	767.6
135°	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6	823.6	823.6	823.4
137.5°	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7	878.4	878.1	877.7
140°	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4	912.9	912.5	911.8
142.5°	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4	947.1	946.8	946.0
145°	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4	996.4	996.4	995.7
147.5°	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7	1041.2	1040.7	1040.1
150°	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2	1070.2	1070.2	1069.3
152.5°	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9	1096.3	1095.8	1095.4
155°	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9	1134.0	1133.1	1132.9
157.5°	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8	1167.0	1166.1	1165.9
160°	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8	1186.9	1186.0	1185.8
162.5°	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5	1205.5	1204.4	1204.4
165°	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7	1230.9	1230.0	1229.7
167.5°	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4	1249.1	1247.7	1247.7
170°	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6	1260.3	1258.9	1258.9
172.5°	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6	1268.2	1266.9	1266.9
175°	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6	1277.2	1275.9	1275.9
177.5°	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6	1281.6	1280.5	1280.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



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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°	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2	25.4	26.6	27.9
95°	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9	65.3	65.8	66.2
97.5°	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8	108.0	108.2	108.4
100°	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8	139.8	139.8	139.8
102.5°	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1	175.0	175.9	176.8
105°	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6	228.7	229.8	231.0
107.5°	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7	287.8	288.9	290.1
110°	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5	328.6	329.7	330.8



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0	369.6	370.1	370.7
115°	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3	431.2	432.1	433.0
117.5°	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8	492.2	492.6	493.0
120°	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1	531.2	532.3	533.5
122.5°	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7	572.1	572.5	572.9
125°	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0	629.3	630.6	632.0
127.5°	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9	688.6	689.4	690.1
130°	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8	724.9	726.0	727.1
132.5°	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7	761.6	763.4	765.2
135°	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7	818.0	819.3	820.6
137.5°	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2	871.4	872.7	874.0
140°	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5	905.6	906.7	907.8
142.5°	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8	939.8	940.7	941.6
145°	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4	990.3	991.1	992.0
147.5°	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1	1036.6	1037.1	1037.6
150°	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2	1067.0	1066.8	1066.6
152.5°	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8	1093.1	1093.4	1093.7
155°	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3	1166.8	1166.3	1165.8
160°	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0	1187.4	1186.7	1186.0
162.5°	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4	1205.9	1205.4	1204.9
165°	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0	1230.5	1230.1	1229.6
167.5°	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7	1250.8	1250.0	1249.1
170°	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9	1262.0	1261.1	1260.3
172.5°	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9	1270.0	1269.1	1268.2
175°	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9	1279.0	1278.1	1277.2
177.5°	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5	1283.8	1283.1	1282.3
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-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°	6.2	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°	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3	42.7	44.2	45.2
95°	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0	81.5	83.1	84.1
97.5°	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3	126.8	128.3	129.1
100°	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7	158.7	160.7	162.0
102.5°	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0	191.2	193.4	194.8
105°	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3	242.6	243.9	244.9
107.5°	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6	298.3	299.0	299.3
110°	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8	337.4	338.1	338.3



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0	376.3	376.6	376.6
115°	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8	435.6	435.4	435.2
117.5°	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7	495.9	496.1	495.7
120°	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1	536.1	536.1	535.7
122.5°	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7	575.5	575.3	574.9
125°	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1	633.6	633.2	632.8
127.5°	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0	691.8	691.6	691.2
130°	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3	730.1	729.9	729.6
132.5°	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1	766.9	766.6	766.2
135°	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6	823.6	823.6	823.2
137.5°	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7	878.9	879.2	878.8
140°	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4	913.8	914.3	913.9
142.5°	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4	947.6	947.9	947.5
145°	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4	996.4	996.4	996.0
147.5°	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7	1042.3	1042.8	1042.3
150°	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2	1070.2	1070.2	1070.0
152.5°	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9	1097.4	1097.9	1097.8
155°	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9	1135.8	1136.7	1136.6
157.5°	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8	1168.7	1169.6	1169.3
160°	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8	1188.7	1189.6	1189.5
162.5°	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5	1207.6	1208.7	1208.6
165°	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7	1232.6	1233.5	1233.3
167.5°	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4	1251.7	1253.1	1253.0
170°	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6	1262.9	1264.2	1264.1
172.5°	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6	1270.9	1272.2	1272.2
175°	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6	1279.9	1281.2	1281.1
177.5°	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6	1283.7	1284.7	1284.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-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°	11.2	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°	45.7	46.1	46.6	47.1	46.6	46.1	45.7	45.2	44.2	42.7	41.3
95°	84.5	85.0	85.4	85.9	85.4	85.0	84.5	84.1	83.1	81.5	80.0
97.5°	129.4	129.7	129.9	130.2	129.9	129.7	129.4	129.1	128.3	126.8	125.3
100°	162.4	162.8	163.3	163.7	163.3	162.8	162.4	162.0	160.7	158.7	156.7
102.5°	195.4	196.0	196.7	197.3	196.7	196.0	195.4	194.8	193.4	191.2	189.0
105°	245.6	246.3	246.9	247.6	246.9	246.3	245.6	244.9	243.9	242.6	241.3
107.5°	299.2	299.2	299.2	299.1	299.2	299.2	299.2	299.3	299.0	298.3	297.6
110°	338.1	337.9	337.7	337.4	337.7	337.9	338.1	338.3	338.1	337.4	336.8



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.2	375.8	375.4	375.0	375.4	375.8	376.2	376.6	376.6	376.3	376.0
115°	434.9	434.7	434.5	434.3	434.5	434.7	434.9	435.2	435.4	435.6	435.8
117.5°	494.8	494.0	493.1	492.2	493.1	494.0	494.8	495.7	496.1	495.9	495.7
120°	534.8	533.9	533.0	532.1	533.0	533.9	534.8	535.7	536.1	536.1	536.1
122.5°	574.2	573.5	572.8	572.1	572.8	573.5	574.2	574.9	575.3	575.5	575.7
125°	632.6	632.4	632.2	632.0	632.2	632.4	632.6	632.8	633.2	633.6	634.1
127.5°	690.8	690.3	689.9	689.5	689.9	690.3	690.8	691.2	691.6	691.8	692.0
130°	729.1	728.7	728.2	727.8	728.2	728.7	729.1	729.6	729.9	730.1	730.3
132.5°	765.6	765.0	764.4	763.7	764.4	765.0	765.6	766.2	766.6	766.9	767.1
135°	822.3	821.4	820.5	819.6	820.5	821.4	822.3	823.2	823.6	823.6	823.6
137.5°	877.7	876.6	875.5	874.4	875.5	876.6	877.7	878.8	879.2	878.9	878.7
140°	912.8	911.7	910.6	909.5	910.6	911.7	912.8	913.9	914.3	913.8	913.4
142.5°	946.4	945.3	944.2	943.0	944.2	945.3	946.4	947.5	947.9	947.6	947.4
145°	995.4	994.7	994.0	993.4	994.0	994.7	995.4	996.0	996.4	996.4	996.4
147.5°	1040.8	1039.3	1037.8	1036.3	1037.8	1039.3	1040.8	1042.3	1042.8	1042.3	1041.7
150°	1069.6	1069.1	1068.7	1068.2	1068.7	1069.1	1069.6	1070.0	1070.2	1070.2	1070.2
152.5°	1097.0	1096.2	1095.4	1094.6	1095.4	1096.2	1097.0	1097.8	1097.9	1097.4	1096.9
155°	1135.5	1134.3	1133.2	1132.1	1133.2	1134.3	1135.5	1136.6	1136.7	1135.8	1134.9
157.5°	1167.9	1166.4	1164.9	1163.5	1164.9	1166.4	1167.9	1169.3	1169.6	1168.7	1167.8
160°	1188.4	1187.3	1186.2	1185.0	1186.2	1187.3	1188.4	1189.5	1189.6	1188.7	1187.8
162.5°	1207.3	1206.0	1204.7	1203.4	1204.7	1206.0	1207.3	1208.6	1208.7	1207.6	1206.5
165°	1232.0	1230.6	1229.3	1228.0	1229.3	1230.6	1232.0	1233.3	1233.5	1232.6	1231.7
167.5°	1251.7	1250.3	1248.9	1247.5	1248.9	1250.3	1251.7	1253.0	1253.1	1251.7	1250.4
170°	1262.6	1261.0	1259.5	1257.9	1259.5	1261.0	1262.6	1264.1	1264.2	1262.9	1261.6
172.5°	1270.8	1269.5	1268.1	1266.7	1268.1	1269.5	1270.8	1272.2	1272.2	1270.9	1269.6
175°	1279.6	1278.0	1276.4	1274.9	1276.4	1278.0	1279.6	1281.1	1281.2	1279.9	1278.6
177.5°	1283.4	1282.2	1280.9	1279.7	1280.9	1282.2	1283.4	1284.7	1284.7	1283.7	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-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	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°	39.8	38.3	36.4	34.5	32.6	30.7	29.1	27.9	26.6	25.4	24.2
95°	78.4	76.9	74.7	72.4	70.2	68.0	66.7	66.2	65.8	65.3	64.9
97.5°	123.9	122.4	119.3	116.3	113.2	110.2	108.5	108.4	108.2	108.0	107.8
100°	154.7	152.7	149.9	147.0	144.1	141.2	139.8	139.8	139.8	139.8	139.8
102.5°	186.9	184.7	183.2	181.8	180.3	178.8	177.7	176.8	175.9	175.0	174.1
105°	239.9	238.6	237.3	235.9	234.6	233.3	232.1	231.0	229.8	228.7	227.6
107.5°	297.0	296.3	295.3	294.3	293.2	292.2	291.2	290.1	288.9	287.8	286.7
110°	336.1	335.4	334.8	334.1	333.4	332.8	331.9	330.8	329.7	328.6	327.5



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	375.4	374.5	373.7	372.9	372.0	371.3	370.7	370.1	369.6	369.0
115°	436.1	436.3	435.8	435.4	434.9	434.5	433.8	433.0	432.1	431.2	430.3
117.5°	495.6	495.4	495.0	494.6	494.2	493.8	493.4	493.0	492.6	492.2	491.8
120°	536.1	536.1	535.9	535.7	535.4	535.2	534.6	533.5	532.3	531.2	530.1
122.5°	575.9	576.0	575.5	574.9	574.3	573.7	573.3	572.9	572.5	572.1	571.7
125°	634.5	635.0	634.7	634.5	634.3	634.1	633.3	632.0	630.6	629.3	628.0
127.5°	692.2	692.5	692.2	691.9	691.7	691.4	690.9	690.1	689.4	688.6	687.9
130°	730.6	730.8	730.3	729.9	729.5	729.0	728.2	727.1	726.0	724.9	723.8
132.5°	767.3	767.5	767.6	767.7	767.8	767.9	767.0	765.2	763.4	761.6	759.7
135°	823.6	823.6	823.4	823.2	823.0	822.8	822.0	820.6	819.3	818.0	816.7
137.5°	878.4	878.1	877.7	877.2	876.7	876.2	875.3	874.0	872.7	871.4	870.2
140°	912.9	912.5	911.8	911.2	910.5	909.8	908.9	907.8	906.7	905.6	904.5
142.5°	947.1	946.8	946.0	945.2	944.3	943.5	942.6	941.6	940.7	939.8	938.8
145°	996.4	996.4	995.7	995.0	994.4	993.7	992.9	992.0	991.1	990.3	989.4
147.5°	1041.2	1040.7	1040.1	1039.6	1039.1	1038.6	1038.0	1037.6	1037.1	1036.6	1036.1
150°	1070.2	1070.2	1069.3	1068.5	1067.6	1066.7	1066.4	1066.6	1066.8	1067.0	1067.2
152.5°	1096.3	1095.8	1095.4	1095.1	1094.7	1094.4	1094.0	1093.7	1093.4	1093.1	1092.8
155°	1134.0	1133.1	1132.9	1132.7	1132.5	1132.2	1132.1	1132.1	1132.1	1132.1	1132.1
157.5°	1167.0	1166.1	1165.9	1165.6	1165.4	1165.2	1165.3	1165.8	1166.3	1166.8	1167.3
160°	1186.9	1186.0	1185.8	1185.6	1185.4	1185.2	1185.4	1186.0	1186.7	1187.4	1188.0
162.5°	1205.5	1204.4	1204.4	1204.3	1204.3	1204.2	1204.5	1204.9	1205.4	1205.9	1206.4
165°	1230.9	1230.0	1229.7	1229.5	1229.3	1229.1	1229.2	1229.6	1230.1	1230.5	1231.0
167.5°	1249.1	1247.7	1247.7	1247.7	1247.7	1247.7	1248.2	1249.1	1250.0	1250.8	1251.7
170°	1260.3	1258.9	1258.9	1258.9	1258.9	1258.9	1259.4	1260.3	1261.1	1262.0	1262.9
172.5°	1268.2	1266.9	1266.9	1266.9	1266.9	1266.9	1267.4	1268.2	1269.1	1270.0	1270.9
175°	1277.2	1275.9	1275.9	1275.9	1275.9	1275.9	1276.3	1277.2	1278.1	1279.0	1279.9
177.5°	1281.6	1280.5	1280.7	1280.8	1281.0	1281.2	1281.6	1282.3	1283.1	1283.8	1284.5
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



TEST NUMBER: P333143

CATALOG NUMBER: S125DIP-S375D1035U835-4F0-1E-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	10.0	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°	25.4	26.6	27.9	29.1	30.7	32.6	34.5	36.4	38.3	39.8	41.3
95°	65.3	65.8	66.2	66.7	68.0	70.2	72.4	74.7	76.9	78.4	80.0
97.5°	108.0	108.2	108.4	108.5	110.2	113.2	116.3	119.3	122.4	123.9	125.3
100°	139.8	139.8	139.8	139.8	141.2	144.1	147.0	149.9	152.7	154.7	156.7
102.5°	175.0	175.9	176.8	177.7	178.8	180.3	181.8	183.2	184.7	186.9	189.0
105°	228.7	229.8	231.0	232.1	233.3	234.6	235.9	237.3	238.6	239.9	241.3
107.5°	287.8	288.9	290.1	291.2	292.2	293.2	294.3	295.3	296.3	297.0	297.6
110°	328.6	329.7	330.8	331.9	332.8	333.4	334.1	334.8	335.4	336.1	336.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	369.6	370.1	370.7	371.3	372.0	372.9	373.7	374.5	375.4	375.7	376.0
115°	431.2	432.1	433.0	433.8	434.5	434.9	435.4	435.8	436.3	436.1	435.8
117.5°	492.2	492.6	493.0	493.4	493.8	494.2	494.6	495.0	495.4	495.6	495.7
120°	531.2	532.3	533.5	534.6	535.2	535.4	535.7	535.9	536.1	536.1	536.1
122.5°	572.1	572.5	572.9	573.3	573.7	574.3	574.9	575.5	576.0	575.9	575.7
125°	629.3	630.6	632.0	633.3	634.1	634.3	634.5	634.7	635.0	634.5	634.1
127.5°	688.6	689.4	690.1	690.9	691.4	691.7	691.9	692.2	692.5	692.2	692.0
130°	724.9	726.0	727.1	728.2	729.0	729.5	729.9	730.3	730.8	730.6	730.3
132.5°	761.6	763.4	765.2	767.0	767.9	767.8	767.7	767.6	767.5	767.3	767.1
135°	818.0	819.3	820.6	822.0	822.8	823.0	823.2	823.4	823.6	823.6	823.6
137.5°	871.4	872.7	874.0	875.3	876.2	876.7	877.2	877.7	878.1	878.4	878.7
140°	905.6	906.7	907.8	908.9	909.8	910.5	911.2	911.8	912.5	912.9	913.4
142.5°	939.8	940.7	941.6	942.6	943.5	944.3	945.2	946.0	946.8	947.1	947.4
145°	990.3	991.1	992.0	992.9	993.7	994.4	995.0	995.7	996.4	996.4	996.4
147.5°	1036.6	1037.1	1037.6	1038.0	1038.6	1039.1	1039.6	1040.1	1040.7	1041.2	1041.7
150°	1067.0	1066.8	1066.6	1066.4	1066.7	1067.6	1068.5	1069.3	1070.2	1070.2	1070.2
152.5°	1093.1	1093.4	1093.7	1094.0	1094.4	1094.7	1095.1	1095.4	1095.8	1096.3	1096.9
155°	1132.1	1132.1	1132.1	1132.1	1132.2	1132.5	1132.7	1132.9	1133.1	1134.0	1134.9
157.5°	1166.8	1166.3	1165.8	1165.3	1165.2	1165.4	1165.6	1165.9	1166.1	1167.0	1167.8
160°	1187.4	1186.7	1186.0	1185.4	1185.2	1185.4	1185.6	1185.8	1186.0	1186.9	1187.8
162.5°	1205.9	1205.4	1204.9	1204.5	1204.2	1204.3	1204.3	1204.4	1204.4	1205.5	1206.5
165°	1230.5	1230.1	1229.6	1229.2	1229.1	1229.3	1229.5	1229.7	1230.0	1230.9	1231.7
167.5°	1250.8	1250.0	1249.1	1248.2	1247.7	1247.7	1247.7	1247.7	1247.7	1249.1	1250.4
170°	1262.0	1261.1	1260.3	1259.4	1258.9	1258.9	1258.9	1258.9	1258.9	1260.3	1261.6
172.5°	1270.0	1269.1	1268.2	1267.4	1266.9	1266.9	1266.9	1266.9	1266.9	1268.2	1269.6
175°	1279.0	1278.1	1277.2	1276.3	1275.9	1275.9	1275.9	1275.9	1275.9	1277.2	1278.6
177.5°	1283.8	1283.1	1282.3	1281.6	1281.2	1281.0	1280.8	1280.7	1280.5	1281.6	1282.6
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9



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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°	42.7	44.2	45.2	45.7	46.1	46.6	47.1
95°	81.5	83.1	84.1	84.5	85.0	85.4	85.9
97.5°	126.8	128.3	129.1	129.4	129.7	129.9	130.2
100°	158.7	160.7	162.0	162.4	162.8	163.3	163.7
102.5°	191.2	193.4	194.8	195.4	196.0	196.7	197.3
105°	242.6	243.9	244.9	245.6	246.3	246.9	247.6
107.5°	298.3	299.0	299.3	299.2	299.2	299.2	299.1
110°	337.4	338.1	338.3	338.1	337.9	337.7	337.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	376.3	376.6	376.6	376.2	375.8	375.4	375.0
115°	435.6	435.4	435.2	434.9	434.7	434.5	434.3
117.5°	495.9	496.1	495.7	494.8	494.0	493.1	492.2
120°	536.1	536.1	535.7	534.8	533.9	533.0	532.1
122.5°	575.5	575.3	574.9	574.2	573.5	572.8	572.1
125°	633.6	633.2	632.8	632.6	632.4	632.2	632.0
127.5°	691.8	691.6	691.2	690.8	690.3	689.9	689.5
130°	730.1	729.9	729.6	729.1	728.7	728.2	727.8
132.5°	766.9	766.6	766.2	765.6	765.0	764.4	763.7
135°	823.6	823.6	823.2	822.3	821.4	820.5	819.6
137.5°	878.9	879.2	878.8	877.7	876.6	875.5	874.4
140°	913.8	914.3	913.9	912.8	911.7	910.6	909.5
142.5°	947.6	947.9	947.5	946.4	945.3	944.2	943.0
145°	996.4	996.4	996.0	995.4	994.7	994.0	993.4
147.5°	1042.3	1042.8	1042.3	1040.8	1039.3	1037.8	1036.3
150°	1070.2	1070.2	1070.0	1069.6	1069.1	1068.7	1068.2
152.5°	1097.4	1097.9	1097.8	1097.0	1096.2	1095.4	1094.6
155°	1135.8	1136.7	1136.6	1135.5	1134.3	1133.2	1132.1
157.5°	1168.7	1169.6	1169.3	1167.9	1166.4	1164.9	1163.5
160°	1188.7	1189.6	1189.5	1188.4	1187.3	1186.2	1185.0
162.5°	1207.6	1208.7	1208.6	1207.3	1206.0	1204.7	1203.4
165°	1232.6	1233.5	1233.3	1232.0	1230.6	1229.3	1228.0
167.5°	1251.7	1253.1	1253.0	1251.7	1250.3	1248.9	1247.5
170°	1262.9	1264.2	1264.1	1262.6	1261.0	1259.5	1257.9
172.5°	1270.9	1272.2	1272.2	1270.8	1269.5	1268.1	1266.7
175°	1279.9	1281.2	1281.1	1279.6	1278.0	1276.4	1274.9
177.5°	1283.7	1284.7	1284.7	1283.4	1282.2	1280.9	1279.7
180°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9

(END OF REPORT)