

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: P333188-830

Luminaire Tested: **S125DIP-S610D1035U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333188-830
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-S610D1035U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 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: 5757.1 lumens
Efficiency: N/A
Efficacy: 129.4 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: General Diffuse

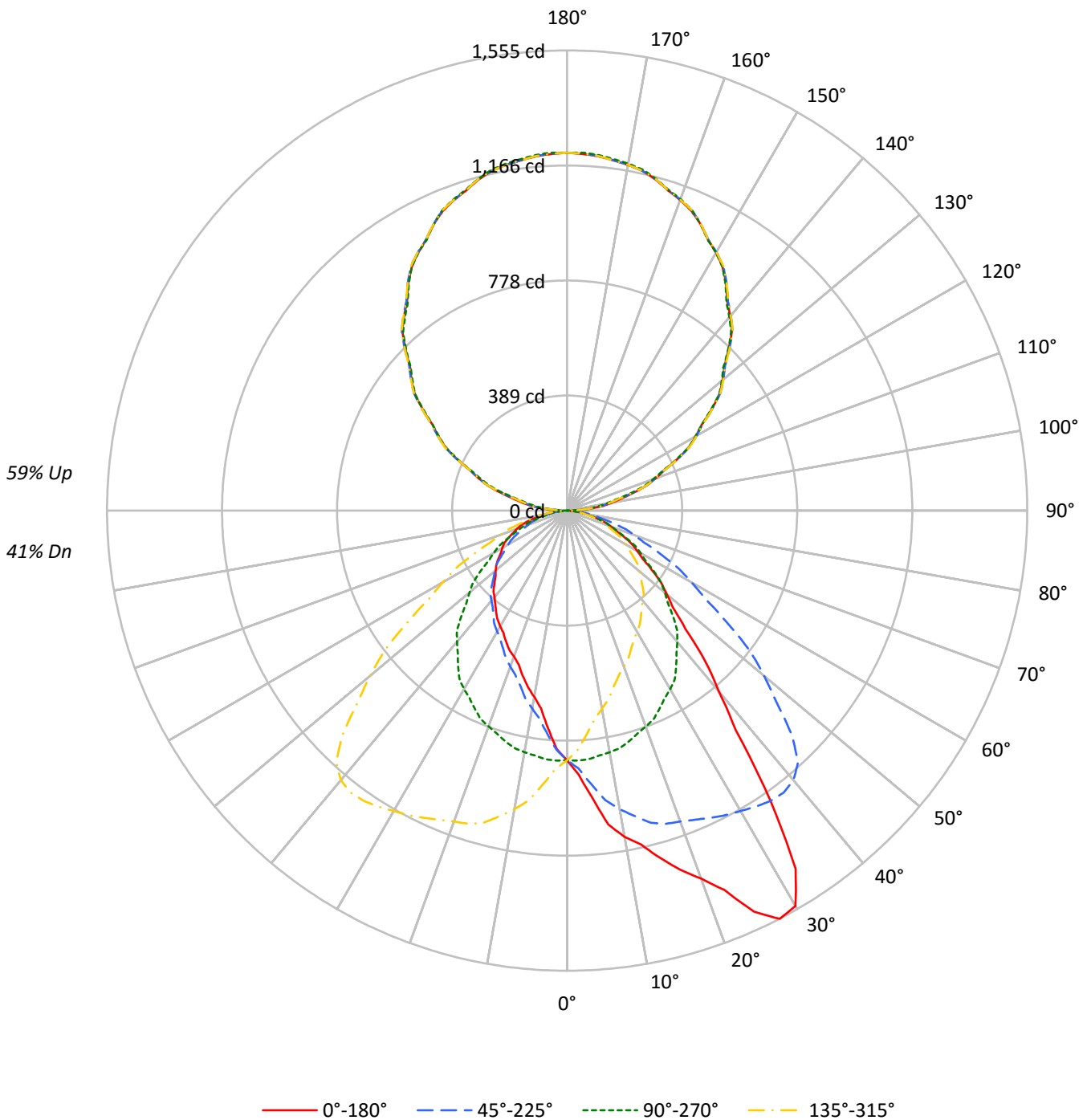
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	80	74	69	80	74	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	66	57	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	27	25	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	17
7	57	45	37	32	52	42	35	30	35	29	26	28	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5448	5448	5448	5448
5°	6309	5466	4786	5466
10°	7340	5438	4194	5438
15°	8125	5398	3869	5398
20°	9095	5335	3608	5335
25°	10655	5264	3480	5264
30°	11508	5193	3370	5193
35°	9462	5062	3297	5062
40°	6726	4878	3217	4878
45°	5167	4631	3172	4631
50°	4410	4324	3166	4324
55°	3926	4023	3193	4023
60°	3543	3695	3274	3695
65°	3272	3365	3359	3365
70°	2974	3021	3408	3021
75°	2628	2662	3376	2662
80°	2213	2168	3087	2168
85°	1756	1564	2490	1564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.4
10°-20°	241.8	4.2
20°-30°	392.6	6.8
30°-40°	478.9	8.3
40°-50°	435.7	7.6
50°-60°	347.0	6.0
60°-70°	241.7	4.2
70°-80°	128.9	2.2
80°-90°	35.2	0.6
90°-100°	81.0	1.4
100°-110°	239.1	4.2
110°-120°	405.1	7.0
120°-130°	533.1	9.3
130°-140°	597.3	10.4
140°-150°	585.5	10.2
150°-160°	491.7	8.5
160°-170°	326.9	5.7
170°-180°	114.4	2.0
0°-30°	715.6	12.4
0°-40°	1194.5	20.7
0°-60°	1977.3	34.3
0°-90°	2383.0	41.4
90°-120°	725.2	12.6
90°-150°	2441.1	42.4
90°-180°	3374.0	58.6
0°-180°	5757.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	844	844	844	844	844	
5°	973	843	738	843	973	98
15°	1215	807	579	807	1215	348
25°	1495	739	488	739	1495	683
35°	1200	642	418	642	1200	735
45°	566	507	347	507	566	453
55°	349	357	284	357	349	314
65°	214	220	220	220	214	212
75°	105	107	135	107	105	113
85°	24	21	34	21	24	28
90°	23	1	23	1	23	14
95°	81	61	81	61	81	82
105°	233	214	233	214	233	247
115°	409	406	409	406	409	405
125°	596	592	596	592	596	532
135°	772	770	772	770	772	596
145°	936	933	936	933	936	584
155°	1067	1067	1067	1067	1067	491
165°	1157	1160	1157	1160	1157	326
175°	1202	1206	1202	1206	1202	114
180°	1209	1209	1209	1209	1209	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	892.3	891.1	889.9	887.7	889.4	884.5	882.2	878.3	873.4	871.7	869.6
5°	973.2	975.0	976.8	969.2	970.0	965.0	953.5	944.1	936.7	927.0	920.2
7.5°	1070.5	1066.3	1066.0	1061.1	1052.7	1046.0	1034.0	1018.6	1003.8	986.9	973.0
10°	1119.3	1119.6	1116.4	1110.7	1101.7	1095.2	1079.5	1064.5	1046.2	1024.7	1009.4
12.5°	1155.9	1157.4	1153.4	1145.7	1141.2	1126.8	1114.5	1096.6	1074.9	1057.7	1034.3
15°	1215.2	1211.3	1208.4	1198.7	1191.2	1176.2	1156.5	1137.8	1114.3	1092.4	1070.5
17.5°	1272.3	1275.5	1270.2	1261.3	1238.0	1220.4	1194.0	1168.6	1139.1	1109.8	1083.7
20°	1323.3	1326.3	1318.0	1302.6	1274.7	1257.1	1222.4	1189.4	1155.5	1117.9	1089.2
22.5°	1387.0	1384.7	1373.6	1350.1	1326.0	1293.5	1255.9	1215.8	1173.2	1130.7	1092.6
25°	1495.2	1480.2	1473.4	1444.4	1412.5	1364.9	1313.3	1254.6	1201.6	1145.4	1096.7
27.5°	1555.2	1550.5	1542.9	1522.7	1489.2	1438.3	1377.5	1306.0	1231.1	1160.3	1096.5
30°	1543.2	1543.9	1544.6	1538.1	1516.7	1478.4	1417.9	1340.9	1252.1	1172.2	1098.5
32.5°	1436.6	1449.6	1462.2	1476.9	1482.9	1475.6	1437.7	1368.1	1276.8	1186.0	1097.3
35°	1200.1	1204.1	1244.6	1284.7	1339.1	1381.4	1409.7	1378.8	1301.8	1197.7	1096.0
37.5°	935.8	955.2	983.2	1028.5	1107.0	1177.3	1267.8	1309.4	1284.5	1201.5	1093.4
40°	797.8	815.7	833.9	880.1	946.3	1031.5	1134.3	1222.0	1242.5	1189.4	1084.9
42.5°	691.2	705.4	725.7	760.3	815.7	891.2	989.4	1104.0	1174.5	1154.5	1066.9
45°	565.7	574.7	590.4	618.0	658.1	717.2	803.8	929.2	1038.3	1074.5	1024.0
47.5°	484.2	484.2	496.4	515.5	544.4	594.6	658.6	756.9	873.5	959.8	955.7
50°	438.9	437.2	446.9	463.4	486.3	519.5	580.8	659.2	771.3	869.0	896.2
52.5°	400.0	400.2	406.1	418.3	437.5	466.0	511.7	582.4	678.2	778.4	829.7
55°	348.7	347.3	354.1	362.3	376.4	394.9	427.9	481.9	559.6	658.5	725.0
57.5°	301.8	305.7	308.4	314.1	325.7	338.2	366.0	405.7	467.3	552.1	622.5
60°	274.3	278.2	280.3	286.1	295.4	306.1	327.6	359.9	411.8	484.8	554.6
62.5°	249.6	252.7	253.4	258.5	266.2	276.6	293.5	320.6	361.7	425.5	493.9
65°	214.1	214.1	215.6	220.9	224.5	233.8	246.7	266.4	299.4	349.1	407.5
67.5°	179.8	181.6	181.3	183.6	186.9	194.2	203.4	219.6	244.0	280.3	327.1
70°	157.5	159.0	158.6	160.4	164.0	168.6	176.2	191.5	209.1	240.3	280.3
72.5°	137.5	138.1	137.1	139.5	141.7	145.7	154.1	162.3	178.7	205.0	238.0
75°	105.3	105.9	106.7	108.1	110.3	112.4	116.7	125.0	135.7	155.4	176.5
77.5°	78.9	77.6	79.3	79.1	80.3	81.9	85.7	90.1	98.9	111.3	127.7
80°	59.5	59.8	59.8	60.1	61.9	63.1	66.3	69.5	76.3	85.6	97.0
82.5°	43.4	44.3	43.7	44.4	45.9	46.7	48.4	51.1	55.0	62.4	70.7
85°	23.7	21.9	22.5	23.3	23.3	23.7	25.1	26.1	28.3	31.1	34.4
87.5°	11.4	11.9	12.0	11.9	12.1	11.9	12.8	12.6	13.3	13.9	14.7
90°	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2	16.1	15.1	13.6
92.5°	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9	37.5	36.1	34.3
95°	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4	73.9	72.5	70.4
97.5°	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1	116.8	115.4	112.4
100°	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7	145.8	143.9	141.3
102.5°	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1	176.2	174.1	172.7
105°	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4	226.1	224.9	223.7
107.5°	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5	279.9	279.3	278.3
110°	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4	316.8	316.1	315.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4	354.1	353.8	353.0
115°	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8	411.0	411.2	410.8
117.5°	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2	467.1	466.9	466.6
120°	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3	505.3	505.3	505.1
122.5°	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6	542.8	542.9	542.4
125°	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7	598.0	598.5	598.2
127.5°	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2	652.4	652.7	652.4
130°	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3	688.6	688.8	688.3
132.5°	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0	723.2	723.4	723.5
135°	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3	776.3	776.3	776.1
137.5°	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2	827.9	827.6	827.3
140°	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9	860.4	860.1	859.4
142.5°	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0	892.7	892.4	891.6
145°	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1	939.1	939.1	938.5
147.5°	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8	981.4	980.9	980.3
150°	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7	1008.7	1008.7	1007.9
152.5°	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9	1033.3	1032.8	1032.5
155°	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7	1068.8	1068.0	1067.8
157.5°	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7	1099.9	1099.1	1098.9
160°	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6	1118.7	1117.9	1117.7
162.5°	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2	1136.2	1135.2	1135.2
165°	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9	1160.2	1159.3	1159.0
167.5°	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6	1177.3	1176.0	1176.0
170°	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1	1187.9	1186.6	1186.6
172.5°	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7	1195.3	1194.1	1194.1
175°	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1	1203.8	1202.6	1202.6
177.5°	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9	1208.0	1206.9	1207.1
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	867.9	865.9	863.7	859.6	854.7	852.2	848.2	845.6	840.4	836.1	831.5
5°	911.9	902.7	894.1	883.0	870.8	862.9	853.6	843.2	832.5	821.3	809.2
7.5°	957.5	941.1	923.2	903.9	885.1	867.8	851.2	835.0	819.8	801.4	785.9
10°	988.3	967.4	945.3	919.1	893.7	871.5	848.9	829.2	809.2	787.7	768.7
12.5°	1018.9	991.2	959.9	931.1	900.6	873.8	847.3	822.1	796.9	773.1	751.0
15°	1040.5	1016.2	987.1	946.3	911.9	875.1	840.0	807.4	776.9	750.5	722.6
17.5°	1054.7	1023.4	992.2	953.1	908.0	866.8	827.0	789.8	755.4	721.8	694.9
20°	1057.3	1025.1	992.5	954.2	908.0	860.7	821.0	776.3	739.3	704.6	671.7
22.5°	1056.5	1019.9	984.5	945.0	900.0	856.5	808.4	762.8	722.7	688.6	654.2
25°	1048.4	1009.4	965.0	925.2	880.8	834.6	785.9	738.7	697.9	658.8	624.8
27.5°	1041.6	991.0	940.8	894.4	851.5	809.2	762.6	714.2	668.9	629.3	597.3
30°	1033.3	977.8	921.2	872.9	828.9	787.7	743.7	696.4	649.1	610.5	576.1
32.5°	1025.9	961.2	901.5	848.9	802.3	762.2	721.6	676.7	630.3	591.0	556.7
35°	1011.5	936.7	868.3	808.8	759.0	717.9	683.9	642.0	599.4	561.4	528.5
37.5°	993.3	904.5	831.0	768.7	714.2	670.8	639.1	607.0	566.1	529.5	499.7
40°	978.9	881.6	803.8	740.1	683.5	638.4	609.1	578.6	544.6	510.6	479.1
42.5°	960.8	860.9	776.3	707.8	651.8	607.8	576.9	551.1	521.1	489.4	460.1
45°	927.7	823.5	731.9	658.1	601.5	558.2	526.3	507.0	484.5	454.4	429.7
47.5°	878.9	778.6	683.8	607.7	549.3	509.2	479.3	460.7	444.9	422.5	400.1
50°	835.7	745.1	649.1	573.6	515.2	474.8	447.2	430.4	416.8	399.5	380.6
52.5°	787.3	702.9	615.1	540.4	482.6	442.7	415.7	400.9	389.6	377.2	358.5
55°	710.4	638.8	557.1	486.3	432.9	393.9	370.2	357.3	348.0	338.7	327.3
57.5°	625.7	569.7	497.3	432.5	383.4	347.9	325.8	313.3	306.0	301.2	294.5
60°	566.1	518.1	455.8	396.7	348.7	317.3	295.8	286.1	280.0	276.1	271.1
62.5°	510.8	471.4	413.7	359.8	317.8	288.0	268.8	259.5	253.6	251.8	247.5
65°	429.3	398.9	351.3	306.5	270.7	245.2	229.1	220.2	216.6	214.4	214.8
67.5°	349.0	330.5	292.3	254.1	225.5	204.2	191.2	184.4	182.6	179.7	179.6
70°	300.0	286.1	253.8	220.6	195.1	178.7	167.2	160.0	158.3	156.8	156.5
72.5°	256.7	244.6	216.6	189.9	167.1	152.6	143.2	138.8	135.9	135.1	135.0
75°	193.0	186.2	164.0	142.9	127.1	117.1	110.7	106.7	104.5	104.2	104.5
77.5°	137.2	131.3	117.2	102.2	92.3	84.6	79.2	77.9	75.4	75.5	75.1
80°	103.1	99.2	90.2	78.4	70.2	63.7	60.9	58.3	57.7	56.6	57.7
82.5°	74.7	70.5	64.5	56.9	50.1	46.3	43.4	42.6	42.1	41.7	41.8
85°	36.9	37.2	33.6	27.9	25.1	22.9	21.1	21.1	20.7	20.5	20.7
87.5°	15.0	14.1	12.7	11.6	9.8	8.6	8.0	7.9	7.4	7.4	8.1
90°	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9
92.5°	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8	23.9	25.1	26.3
95°	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2	61.5	62.0	62.4
97.5°	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6	101.8	102.0	102.2
100°	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
102.5°	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1	164.9	165.8	166.6
105°	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5	215.6	216.6	217.7
107.5°	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2	271.3	272.3	273.4
110°	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7	309.7	310.8	311.8



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8	348.4	348.8	349.4
115°	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6	406.4	407.3	408.1
117.5°	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5	463.9	464.3	464.7
120°	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6	500.7	501.7	502.8
122.5°	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9	539.2	539.6	540.0
125°	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9	593.1	594.4	595.7
127.5°	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4	649.0	649.8	650.4
130°	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2	683.2	684.3	685.3
132.5°	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0	717.8	719.5	721.2
135°	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8	771.0	772.2	773.5
137.5°	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2	821.3	822.6	823.8
140°	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5	853.6	854.6	855.6
142.5°	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9	885.8	886.6	887.5
145°	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6	933.4	934.2	935.0
147.5°	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6	977.0	977.5	978.0
150°	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9	1005.7	1005.5	1005.3
152.5°	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0	1030.3	1030.6	1030.9
155°	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2	1099.8	1099.3	1098.8
160°	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7	1119.2	1118.5	1117.9
162.5°	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1	1136.6	1136.1	1135.7
165°	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3	1159.8	1159.4	1159.0
167.5°	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8	1178.9	1178.2	1177.3
170°	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3	1189.5	1188.6	1187.9
172.5°	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9	1197.0	1196.2	1195.3
175°	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4	1205.5	1204.7	1203.8
177.5°	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7	1210.0	1209.4	1208.6
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	829.0	825.8	823.2	817.5	814.4	810.0	806.6	810.3	806.3	808.0	805.5
5°	803.1	793.1	785.9	775.5	766.6	758.4	752.2	751.2	748.3	746.9	742.6
7.5°	772.0	759.5	747.2	733.6	722.1	710.5	702.9	696.8	692.8	687.4	683.7
10°	753.7	736.9	722.6	706.1	691.7	679.2	669.2	664.2	659.5	652.7	650.3
12.5°	731.0	713.7	696.2	678.5	664.9	650.8	642.2	634.7	631.5	623.8	623.0
15°	703.9	677.8	660.6	642.7	623.7	612.3	605.1	596.9	593.3	588.0	584.0
17.5°	671.6	648.2	626.7	608.2	591.9	582.3	573.3	567.7	561.6	558.1	551.6
20°	648.1	625.8	604.4	584.7	572.1	561.1	553.9	548.6	542.1	540.3	533.9
22.5°	628.3	603.8	583.2	566.7	553.0	540.5	532.7	529.0	524.6	519.1	517.8
25°	596.2	570.7	553.2	536.7	524.5	513.1	507.7	503.0	498.8	494.8	493.4
27.5°	568.4	545.6	524.8	509.9	499.4	488.9	484.2	478.5	475.3	472.2	468.3
30°	548.9	525.7	507.4	493.0	481.5	472.3	467.2	463.4	460.4	457.6	455.4
32.5°	528.9	507.3	489.6	475.6	464.1	457.1	452.6	449.9	446.7	443.3	440.5
35°	502.4	478.7	461.6	449.3	440.4	435.0	430.0	427.5	424.0	424.0	421.0
37.5°	472.5	452.0	436.9	425.7	417.7	412.9	407.6	405.9	403.5	402.0	401.1
40°	454.7	435.7	421.4	410.3	401.7	397.8	393.5	390.6	389.2	387.4	386.7
42.5°	436.4	418.3	404.5	394.3	386.8	383.4	379.5	377.5	374.6	372.2	371.8
45°	408.5	391.0	378.4	370.2	363.8	359.9	357.3	353.1	351.6	348.7	348.4
47.5°	382.1	365.2	353.0	346.2	340.5	337.3	333.4	329.1	327.4	326.0	325.9
50°	362.3	346.9	335.5	329.0	323.7	319.1	315.1	312.3	311.1	311.1	311.9
52.5°	342.3	329.2	319.4	311.6	306.5	301.5	297.9	296.1	294.5	296.2	297.6
55°	312.9	299.7	292.6	285.0	280.0	274.3	272.5	271.7	270.7	273.5	274.9
57.5°	281.8	272.6	264.2	256.7	252.2	248.9	246.5	246.1	248.1	249.4	254.1
60°	262.1	251.4	243.8	238.1	232.7	230.5	229.9	229.1	230.5	234.5	240.6
62.5°	240.3	231.6	223.5	219.2	215.3	211.7	211.5	212.0	214.8	219.3	225.5
65°	208.4	200.9	195.5	190.5	187.3	185.1	185.9	187.3	190.5	196.6	203.4
67.5°	176.0	170.8	166.0	161.9	158.8	158.8	159.6	161.7	165.5	172.5	178.7
70°	155.0	149.3	145.3	143.5	141.1	139.7	141.8	145.3	148.5	155.0	160.4
72.5°	134.1	129.2	126.2	125.0	123.9	122.7	123.5	127.3	131.7	138.2	144.4
75°	103.1	101.3	99.2	97.7	96.7	97.4	98.1	101.7	105.3	112.1	119.2
77.5°	75.3	73.4	72.1	71.7	71.2	71.5	73.5	76.2	79.7	84.6	90.1
80°	56.9	56.2	55.5	55.1	55.1	55.5	58.3	60.1	63.3	68.1	72.3
82.5°	41.5	41.0	40.9	40.8	41.1	41.2	42.9	45.2	47.9	51.5	55.1
85°	21.9	21.1	22.2	22.5	21.9	22.9	23.7	25.1	26.1	27.9	29.7
87.5°	8.7	9.6	9.6	10.2	10.5	11.3	11.2	12.6	13.4	14.1	14.0
90°	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2	18.2	19.2	20.1
92.5°	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9	40.2	41.7	42.6
95°	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4	76.8	78.3	79.3
97.5°	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1	119.5	120.9	121.7
100°	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7	149.6	151.5	152.7
102.5°	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1	180.2	182.3	183.6
105°	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4	228.7	229.9	230.8
107.5°	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5	281.2	281.8	282.1
110°	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4	318.0	318.7	318.9



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4	354.7	355.0	355.0
115°	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8	410.6	410.4	410.2
117.5°	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2	467.4	467.6	467.2
120°	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3	505.3	505.3	504.9
122.5°	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6	542.4	542.2	541.9
125°	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7	597.2	596.8	596.4
127.5°	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2	652.1	651.9	651.5
130°	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3	688.2	688.0	687.7
132.5°	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0	722.8	722.6	722.2
135°	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3	776.3	776.3	775.9
137.5°	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2	828.4	828.7	828.3
140°	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9	861.3	861.8	861.4
142.5°	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0	893.2	893.4	893.1
145°	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1	939.1	939.1	938.8
147.5°	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8	982.4	982.9	982.4
150°	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7	1008.7	1008.7	1008.5
152.5°	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9	1034.3	1034.8	1034.7
155°	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7	1070.5	1071.4	1071.3
157.5°	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7	1101.5	1102.4	1102.1
160°	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6	1120.4	1121.2	1121.2
162.5°	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2	1138.2	1139.3	1139.2
165°	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9	1161.8	1162.6	1162.4
167.5°	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6	1179.8	1181.1	1181.0
170°	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1	1190.3	1191.6	1191.5
172.5°	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7	1197.9	1199.1	1199.1
175°	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1	1206.4	1207.6	1207.5
177.5°	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9	1209.9	1210.9	1210.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	803.7	805.8	804.1	806.3	804.1	805.8	803.7	805.5	808.0	806.3	810.3
5°	740.8	737.5	739.7	738.3	739.7	737.5	740.8	742.6	746.9	748.3	751.2
7.5°	682.7	679.6	676.1	674.4	676.1	679.6	682.7	683.7	687.4	692.8	696.8
10°	646.3	642.3	642.0	639.5	642.0	642.3	646.3	650.3	652.7	659.5	664.2
12.5°	619.6	616.0	611.9	610.9	611.9	616.0	619.6	623.0	623.8	631.5	634.7
15°	581.8	579.0	576.5	578.6	576.5	579.0	581.8	584.0	588.0	593.3	596.9
17.5°	550.4	548.0	547.6	545.0	547.6	548.0	550.4	551.6	558.1	561.6	567.7
20°	530.7	528.9	529.5	524.9	529.5	528.9	530.7	533.9	540.3	542.1	548.6
22.5°	514.9	511.3	511.0	510.0	511.0	511.3	514.9	517.8	519.1	524.6	529.0
25°	490.2	488.4	486.6	488.4	486.6	488.4	490.2	493.4	494.8	498.8	503.0
27.5°	468.6	466.5	466.0	466.2	466.0	466.5	468.6	468.3	472.2	475.3	478.5
30°	455.4	451.9	452.2	451.9	452.2	451.9	455.4	455.4	457.6	460.4	463.4
32.5°	441.1	438.7	438.2	437.5	438.2	438.7	441.1	440.5	443.3	446.7	449.9
35°	420.0	420.0	418.2	418.2	418.2	420.0	420.0	421.0	424.0	424.0	427.5
37.5°	400.1	399.8	398.7	398.9	398.7	399.8	400.1	401.1	402.0	403.5	405.9
40°	385.2	384.9	383.8	381.6	383.8	384.9	385.2	386.7	387.4	389.2	390.6
42.5°	371.0	369.8	369.2	368.5	369.2	369.8	371.0	371.8	372.2	374.6	377.5
45°	348.4	348.4	347.7	347.3	347.7	348.4	348.4	348.4	348.7	351.6	353.1
47.5°	326.5	327.2	328.5	328.3	328.5	327.2	326.5	325.9	326.0	327.4	329.1
50°	313.3	313.7	314.7	315.1	314.7	313.7	313.3	311.9	311.1	311.1	312.3
52.5°	298.7	300.8	302.1	301.9	302.1	300.8	298.7	297.6	296.2	294.5	296.1
55°	278.2	280.7	283.2	283.6	283.2	280.7	278.2	274.9	273.5	270.7	271.7
57.5°	258.0	261.5	264.1	264.9	264.1	261.5	258.0	254.1	249.4	248.1	246.1
60°	244.2	248.8	252.0	253.5	252.0	248.8	244.2	240.6	234.5	230.5	229.1
62.5°	231.0	236.2	239.5	239.8	239.5	236.2	231.0	225.5	219.3	214.8	212.0
65°	209.4	214.8	217.7	219.8	217.7	214.8	209.4	203.4	196.6	190.5	187.3
67.5°	186.2	191.6	194.8	196.5	194.8	191.6	186.2	178.7	172.5	165.5	161.7
70°	169.4	174.7	179.0	180.5	179.0	174.7	169.4	160.4	155.0	148.5	145.3
72.5°	152.8	157.5	161.0	162.7	161.0	157.5	152.8	144.4	138.2	131.7	127.3
75°	123.9	130.4	133.6	135.3	133.6	130.4	123.9	119.2	112.1	105.3	101.7
77.5°	95.6	101.4	103.3	104.2	103.3	101.4	95.6	90.1	84.6	79.7	76.2
80°	76.6	80.2	82.8	83.0	82.8	80.2	76.6	72.3	68.1	63.3	60.1
82.5°	58.9	61.8	62.7	63.6	62.7	61.8	58.9	55.1	51.5	47.9	45.2
85°	32.2	33.6	34.0	33.6	34.0	33.6	32.2	29.7	27.9	26.1	25.1
87.5°	14.7	14.6	14.7	15.4	14.7	14.6	14.7	14.0	14.1	13.4	12.6
90°	20.7	21.3	22.0	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2
92.5°	43.1	43.5	43.9	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9
95°	79.6	80.1	80.5	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4
97.5°	122.0	122.2	122.4	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1
100°	153.1	153.4	153.9	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7
102.5°	184.2	184.7	185.4	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1
105°	231.5	232.1	232.7	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4
107.5°	282.0	282.0	282.0	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5
110°	318.7	318.5	318.3	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	354.6	354.2	353.8	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4
115°	409.9	409.7	409.5	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8
117.5°	466.4	465.6	464.8	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2
120°	504.1	503.2	502.4	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3
122.5°	541.2	540.5	539.9	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6
125°	596.3	596.1	595.9	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7
127.5°	651.1	650.6	650.3	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2
130°	687.2	686.8	686.4	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3
132.5°	721.6	721.0	720.5	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0
135°	775.1	774.2	773.4	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3
137.5°	827.3	826.2	825.2	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2
140°	860.4	859.3	858.3	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9
142.5°	892.0	891.0	889.9	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0
145°	938.2	937.5	936.9	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1
147.5°	981.0	979.6	978.2	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8
150°	1008.1	1007.7	1007.3	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7
152.5°	1034.0	1033.2	1032.5	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9
155°	1070.3	1069.1	1068.1	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7
157.5°	1100.8	1099.4	1098.0	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7
160°	1120.1	1119.1	1118.0	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6
162.5°	1137.9	1136.7	1135.5	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2
165°	1161.2	1159.9	1158.7	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9
167.5°	1179.8	1178.5	1177.1	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6
170°	1190.1	1188.5	1187.1	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1
172.5°	1197.8	1196.6	1195.2	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7
175°	1206.1	1204.6	1203.1	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1
177.5°	1209.7	1208.5	1207.3	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	806.6	810.0	814.4	817.5	823.2	825.8	829.0	831.5	836.1	840.4	845.6
5°	752.2	758.4	766.6	775.5	785.9	793.1	803.1	809.2	821.3	832.5	843.2
7.5°	702.9	710.5	722.1	733.6	747.2	759.5	772.0	785.9	801.4	819.8	835.0
10°	669.2	679.2	691.7	706.1	722.6	736.9	753.7	768.7	787.7	809.2	829.2
12.5°	642.2	650.8	664.9	678.5	696.2	713.7	731.0	751.0	773.1	796.9	822.1
15°	605.1	612.3	623.7	642.7	660.6	677.8	703.9	722.6	750.5	776.9	807.4
17.5°	573.3	582.3	591.9	608.2	626.7	648.2	671.6	694.9	721.8	755.4	789.8
20°	553.9	561.1	572.1	584.7	604.4	625.8	648.1	671.7	704.6	739.3	776.3
22.5°	532.7	540.5	553.0	566.7	583.2	603.8	628.3	654.2	688.6	722.7	762.8
25°	507.7	513.1	524.5	536.7	553.2	570.7	596.2	624.8	658.8	697.9	738.7
27.5°	484.2	488.9	499.4	509.9	524.8	545.6	568.4	597.3	629.3	668.9	714.2
30°	467.2	472.3	481.5	493.0	507.4	525.7	548.9	576.1	610.5	649.1	696.4
32.5°	452.6	457.1	464.1	475.6	489.6	507.3	528.9	556.7	591.0	630.3	676.7
35°	430.0	435.0	440.4	449.3	461.6	478.7	502.4	528.5	561.4	599.4	642.0
37.5°	407.6	412.9	417.7	425.7	436.9	452.0	472.5	499.7	529.5	566.1	607.0
40°	393.5	397.8	401.7	410.3	421.4	435.7	454.7	479.1	510.6	544.6	578.6
42.5°	379.5	383.4	386.8	394.3	404.5	418.3	436.4	460.1	489.4	521.1	551.1
45°	357.3	359.9	363.8	370.2	378.4	391.0	408.5	429.7	454.4	484.5	507.0
47.5°	333.4	337.3	340.5	346.2	353.0	365.2	382.1	400.1	422.5	444.9	460.7
50°	315.1	319.1	323.7	329.0	335.5	346.9	362.3	380.6	399.5	416.8	430.4
52.5°	297.9	301.5	306.5	311.6	319.4	329.2	342.3	358.5	377.2	389.6	400.9
55°	272.5	274.3	280.0	285.0	292.6	299.7	312.9	327.3	338.7	348.0	357.3
57.5°	246.5	248.9	252.2	256.7	264.2	272.6	281.8	294.5	301.2	306.0	313.3
60°	229.9	230.5	232.7	238.1	243.8	251.4	262.1	271.1	276.1	280.0	286.1
62.5°	211.5	211.7	215.3	219.2	223.5	231.6	240.3	247.5	251.8	253.6	259.5
65°	185.9	185.1	187.3	190.5	195.5	200.9	208.4	214.8	214.4	216.6	220.2
67.5°	159.6	158.8	158.8	161.9	166.0	170.8	176.0	179.6	179.7	182.6	184.4
70°	141.8	139.7	141.1	143.5	145.3	149.3	155.0	156.5	156.8	158.3	160.0
72.5°	123.5	122.7	123.9	125.0	126.2	129.2	134.1	135.0	135.1	135.9	138.8
75°	98.1	97.4	96.7	97.7	99.2	101.3	103.1	104.5	104.2	104.5	106.7
77.5°	73.5	71.5	71.2	71.7	72.1	73.4	75.3	75.1	75.5	75.4	77.9
80°	58.3	55.5	55.1	55.1	55.5	56.2	56.9	57.7	56.6	57.7	58.3
82.5°	42.9	41.2	41.1	40.8	40.9	41.0	41.5	41.8	41.7	42.1	42.6
85°	23.7	22.9	21.9	22.5	22.2	21.1	21.9	20.7	20.5	20.7	21.1
87.5°	11.2	11.3	10.5	10.2	9.6	9.6	8.7	8.1	7.4	7.4	7.9
90°	16.1	15.1	13.6	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9
92.5°	37.5	36.1	34.3	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8
95°	73.9	72.5	70.4	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2
97.5°	116.8	115.4	112.4	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6
100°	145.8	143.9	141.3	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8
102.5°	176.2	174.1	172.7	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1
105°	226.1	224.9	223.7	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5
107.5°	279.9	279.3	278.3	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2
110°	316.8	316.1	315.6	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	353.8	353.0	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8
115°	411.0	411.2	410.8	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6
117.5°	467.1	466.9	466.6	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5
120°	505.3	505.3	505.1	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6
122.5°	542.8	542.9	542.4	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9
125°	598.0	598.5	598.2	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9
127.5°	652.4	652.7	652.4	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4
130°	688.6	688.8	688.3	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2
132.5°	723.2	723.4	723.5	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0
135°	776.3	776.3	776.1	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8
137.5°	827.9	827.6	827.3	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2
140°	860.4	860.1	859.4	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5
142.5°	892.7	892.4	891.6	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9
145°	939.1	939.1	938.5	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6
147.5°	981.4	980.9	980.3	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6
150°	1008.7	1008.7	1007.9	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9
152.5°	1033.3	1032.8	1032.5	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0
155°	1068.8	1068.0	1067.8	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1099.9	1099.1	1098.9	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2
160°	1118.7	1117.9	1117.7	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7
162.5°	1136.2	1135.2	1135.2	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1
165°	1160.2	1159.3	1159.0	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3
167.5°	1177.3	1176.0	1176.0	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8
170°	1187.9	1186.6	1186.6	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3
172.5°	1195.3	1194.1	1194.1	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9
175°	1203.8	1202.6	1202.6	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4
177.5°	1208.0	1206.9	1207.1	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333188-830

CATALOG NUMBER: S125DIP-S610D1035U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	848.2	852.2	854.7	859.6	863.7	865.9	867.9	869.6	871.7	873.4	878.3
5°	853.6	862.9	870.8	883.0	894.1	902.7	911.9	920.2	927.0	936.7	944.1
7.5°	851.2	867.8	885.1	903.9	923.2	941.1	957.5	973.0	986.9	1003.8	1018.6
10°	848.9	871.5	893.7	919.1	945.3	967.4	988.3	1009.4	1024.7	1046.2	1064.5
12.5°	847.3	873.8	900.6	931.1	959.9	991.2	1018.9	1034.3	1057.7	1074.9	1096.6
15°	840.0	875.1	911.9	946.3	987.1	1016.2	1040.5	1070.5	1092.4	1114.3	1137.8
17.5°	827.0	866.8	908.0	953.1	992.2	1023.4	1054.7	1083.7	1109.8	1139.1	1168.6
20°	821.0	860.7	908.0	954.2	992.5	1025.1	1057.3	1089.2	1117.9	1155.5	1189.4
22.5°	808.4	856.5	900.0	945.0	984.5	1019.9	1056.5	1092.6	1130.7	1173.2	1215.8
25°	785.9	834.6	880.8	925.2	965.0	1009.4	1048.4	1096.7	1145.4	1201.6	1254.6
27.5°	762.6	809.2	851.5	894.4	940.8	991.0	1041.6	1096.5	1160.3	1231.1	1306.0
30°	743.7	787.7	828.9	872.9	921.2	977.8	1033.3	1098.5	1172.2	1252.1	1340.9
32.5°	721.6	762.2	802.3	848.9	901.5	961.2	1025.9	1097.3	1186.0	1276.8	1368.1
35°	683.9	717.9	759.0	808.8	868.3	936.7	1011.5	1096.0	1197.7	1301.8	1378.8
37.5°	639.1	670.8	714.2	768.7	831.0	904.5	993.3	1093.4	1201.5	1284.5	1309.4
40°	609.1	638.4	683.5	740.1	803.8	881.6	978.9	1084.9	1189.4	1242.5	1222.0
42.5°	576.9	607.8	651.8	707.8	776.3	860.9	960.8	1066.9	1154.5	1174.5	1104.0
45°	526.3	558.2	601.5	658.1	731.9	823.5	927.7	1024.0	1074.5	1038.3	929.2
47.5°	479.3	509.2	549.3	607.7	683.8	778.6	878.9	955.7	959.8	873.5	756.9
50°	447.2	474.8	515.2	573.6	649.1	745.1	835.7	896.2	869.0	771.3	659.2
52.5°	415.7	442.7	482.6	540.4	615.1	702.9	787.3	829.7	778.4	678.2	582.4
55°	370.2	393.9	432.9	486.3	557.1	638.8	710.4	725.0	658.5	559.6	481.9
57.5°	325.8	347.9	383.4	432.5	497.3	569.7	625.7	622.5	552.1	467.3	405.7
60°	295.8	317.3	348.7	396.7	455.8	518.1	566.1	554.6	484.8	411.8	359.9
62.5°	268.8	288.0	317.8	359.8	413.7	471.4	510.8	493.9	425.5	361.7	320.6
65°	229.1	245.2	270.7	306.5	351.3	398.9	429.3	407.5	349.1	299.4	266.4
67.5°	191.2	204.2	225.5	254.1	292.3	330.5	349.0	327.1	280.3	244.0	219.6
70°	167.2	178.7	195.1	220.6	253.8	286.1	300.0	280.3	240.3	209.1	191.5
72.5°	143.2	152.6	167.1	189.9	216.6	244.6	256.7	238.0	205.0	178.7	162.3
75°	110.7	117.1	127.1	142.9	164.0	186.2	193.0	176.5	155.4	135.7	125.0
77.5°	79.2	84.6	92.3	102.2	117.2	131.3	137.2	127.7	111.3	98.9	90.1
80°	60.9	63.7	70.2	78.4	90.2	99.2	103.1	97.0	85.6	76.3	69.5
82.5°	43.4	46.3	50.1	56.9	64.5	70.5	74.7	70.7	62.4	55.0	51.1
85°	21.1	22.9	25.1	27.9	33.6	37.2	36.9	34.4	31.1	28.3	26.1
87.5°	8.0	8.6	9.8	11.6	12.7	14.1	15.0	14.7	13.9	13.3	12.6
90°	2.6	4.2	5.9	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2
92.5°	23.9	25.1	26.3	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9
95°	61.5	62.0	62.4	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4
97.5°	101.8	102.0	102.2	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1
100°	131.8	131.8	131.8	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7
102.5°	164.9	165.8	166.6	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1
105°	215.6	216.6	217.7	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4
107.5°	271.3	272.3	273.4	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5
110°	309.7	310.8	311.8	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	348.4	348.8	349.4	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4
115°	406.4	407.3	408.1	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8
117.5°	463.9	464.3	464.7	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2
120°	500.7	501.7	502.8	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3
122.5°	539.2	539.6	540.0	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6
125°	593.1	594.4	595.7	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7
127.5°	649.0	649.8	650.4	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2
130°	683.2	684.3	685.3	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3
132.5°	717.8	719.5	721.2	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0
135°	771.0	772.2	773.5	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3
137.5°	821.3	822.6	823.8	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2
140°	853.6	854.6	855.6	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9
142.5°	885.8	886.6	887.5	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0
145°	933.4	934.2	935.0	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1
147.5°	977.0	977.5	978.0	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8
150°	1005.7	1005.5	1005.3	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7
152.5°	1030.3	1030.6	1030.9	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9
155°	1067.1	1067.1	1067.1	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7
157.5°	1099.8	1099.3	1098.8	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7
160°	1119.2	1118.5	1117.9	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6
162.5°	1136.6	1136.1	1135.7	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2
165°	1159.8	1159.4	1159.0	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9
167.5°	1178.9	1178.2	1177.3	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6
170°	1189.5	1188.6	1187.9	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1
172.5°	1197.0	1196.2	1195.3	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7
175°	1205.5	1204.7	1203.8	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1
177.5°	1210.0	1209.4	1208.6	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	882.2	884.5	889.4	887.7	889.9	891.1	892.3
5°	953.5	965.0	970.0	969.2	976.8	975.0	973.2
7.5°	1034.0	1046.0	1052.7	1061.1	1066.0	1066.3	1070.5
10°	1079.5	1095.2	1101.7	1110.7	1116.4	1119.6	1119.3
12.5°	1114.5	1126.8	1141.2	1145.7	1153.4	1157.4	1155.9
15°	1156.5	1176.2	1191.2	1198.7	1208.4	1211.3	1215.2
17.5°	1194.0	1220.4	1238.0	1261.3	1270.2	1275.5	1272.3
20°	1222.4	1257.1	1274.7	1302.6	1318.0	1326.3	1323.3
22.5°	1255.9	1293.5	1326.0	1350.1	1373.6	1384.7	1387.0
25°	1313.3	1364.9	1412.5	1444.4	1473.4	1480.2	1495.2
27.5°	1377.5	1438.3	1489.2	1522.7	1542.9	1550.5	1555.2
30°	1417.9	1478.4	1516.7	1538.1	1544.6	1543.9	1543.2
32.5°	1437.7	1475.6	1482.9	1476.9	1462.2	1449.6	1436.6
35°	1409.7	1381.4	1339.1	1284.7	1244.6	1204.1	1200.1
37.5°	1267.8	1177.3	1107.0	1028.5	983.2	955.2	935.8
40°	1134.3	1031.5	946.3	880.1	833.9	815.7	797.8
42.5°	989.4	891.2	815.7	760.3	725.7	705.4	691.2
45°	803.8	717.2	658.1	618.0	590.4	574.7	565.7
47.5°	658.6	594.6	544.4	515.5	496.4	484.2	484.2
50°	580.8	519.5	486.3	463.4	446.9	437.2	438.9
52.5°	511.7	466.0	437.5	418.3	406.1	400.2	400.0
55°	427.9	394.9	376.4	362.3	354.1	347.3	348.7
57.5°	366.0	338.2	325.7	314.1	308.4	305.7	301.8
60°	327.6	306.1	295.4	286.1	280.3	278.2	274.3
62.5°	293.5	276.6	266.2	258.5	253.4	252.7	249.6
65°	246.7	233.8	224.5	220.9	215.6	214.1	214.1
67.5°	203.4	194.2	186.9	183.6	181.3	181.6	179.8
70°	176.2	168.6	164.0	160.4	158.6	159.0	157.5
72.5°	154.1	145.7	141.7	139.5	137.1	138.1	137.5
75°	116.7	112.4	110.3	108.1	106.7	105.9	105.3
77.5°	85.7	81.9	80.3	79.1	79.3	77.6	78.9
80°	66.3	63.1	61.9	60.1	59.8	59.8	59.5
82.5°	48.4	46.7	45.9	44.4	43.7	44.3	43.4
85°	25.1	23.7	23.3	23.3	22.5	21.9	23.7
87.5°	12.8	11.9	12.1	11.9	12.0	11.9	11.4
90°	18.2	19.2	20.1	20.7	21.3	22.0	22.6
92.5°	40.2	41.7	42.6	43.1	43.5	43.9	44.4
95°	76.8	78.3	79.3	79.6	80.1	80.5	81.0
97.5°	119.5	120.9	121.7	122.0	122.2	122.4	122.7
100°	149.6	151.5	152.7	153.1	153.4	153.9	154.3
102.5°	180.2	182.3	183.6	184.2	184.7	185.4	186.0
105°	228.7	229.9	230.8	231.5	232.1	232.7	233.4
107.5°	281.2	281.8	282.1	282.0	282.0	282.0	281.9
110°	318.0	318.7	318.9	318.7	318.5	318.3	318.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	354.7	355.0	355.0	354.6	354.2	353.8	353.5
115°	410.6	410.4	410.2	409.9	409.7	409.5	409.3
117.5°	467.4	467.6	467.2	466.4	465.6	464.8	463.9
120°	505.3	505.3	504.9	504.1	503.2	502.4	501.5
122.5°	542.4	542.2	541.9	541.2	540.5	539.9	539.2
125°	597.2	596.8	596.4	596.3	596.1	595.9	595.7
127.5°	652.1	651.9	651.5	651.1	650.6	650.3	649.9
130°	688.2	688.0	687.7	687.2	686.8	686.4	686.0
132.5°	722.8	722.6	722.2	721.6	721.0	720.5	719.8
135°	776.3	776.3	775.9	775.1	774.2	773.4	772.5
137.5°	828.4	828.7	828.3	827.3	826.2	825.2	824.2
140°	861.3	861.8	861.4	860.4	859.3	858.3	857.2
142.5°	893.2	893.4	893.1	892.0	891.0	889.9	888.8
145°	939.1	939.1	938.8	938.2	937.5	936.9	936.3
147.5°	982.4	982.9	982.4	981.0	979.6	978.2	976.8
150°	1008.7	1008.7	1008.5	1008.1	1007.7	1007.3	1006.8
152.5°	1034.3	1034.8	1034.7	1034.0	1033.2	1032.5	1031.7
155°	1070.5	1071.4	1071.3	1070.3	1069.1	1068.1	1067.1
157.5°	1101.5	1102.4	1102.1	1100.8	1099.4	1098.0	1096.6
160°	1120.4	1121.2	1121.2	1120.1	1119.1	1118.0	1116.9
162.5°	1138.2	1139.3	1139.2	1137.9	1136.7	1135.5	1134.3
165°	1161.8	1162.6	1162.4	1161.2	1159.9	1158.7	1157.4
167.5°	1179.8	1181.1	1181.0	1179.8	1178.5	1177.1	1175.8
170°	1190.3	1191.6	1191.5	1190.1	1188.5	1187.1	1185.6
172.5°	1197.9	1199.1	1199.1	1197.8	1196.6	1195.2	1193.9
175°	1206.4	1207.6	1207.5	1206.1	1204.6	1203.1	1201.6
177.5°	1209.9	1210.9	1210.9	1209.7	1208.5	1207.3	1206.2
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2

(END OF REPORT)