

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: P333225-840

Luminaire Tested: **S125DIP-S850D810U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333225-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425.4 lumens
Efficiency: N/A
Efficacy: 140.0 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

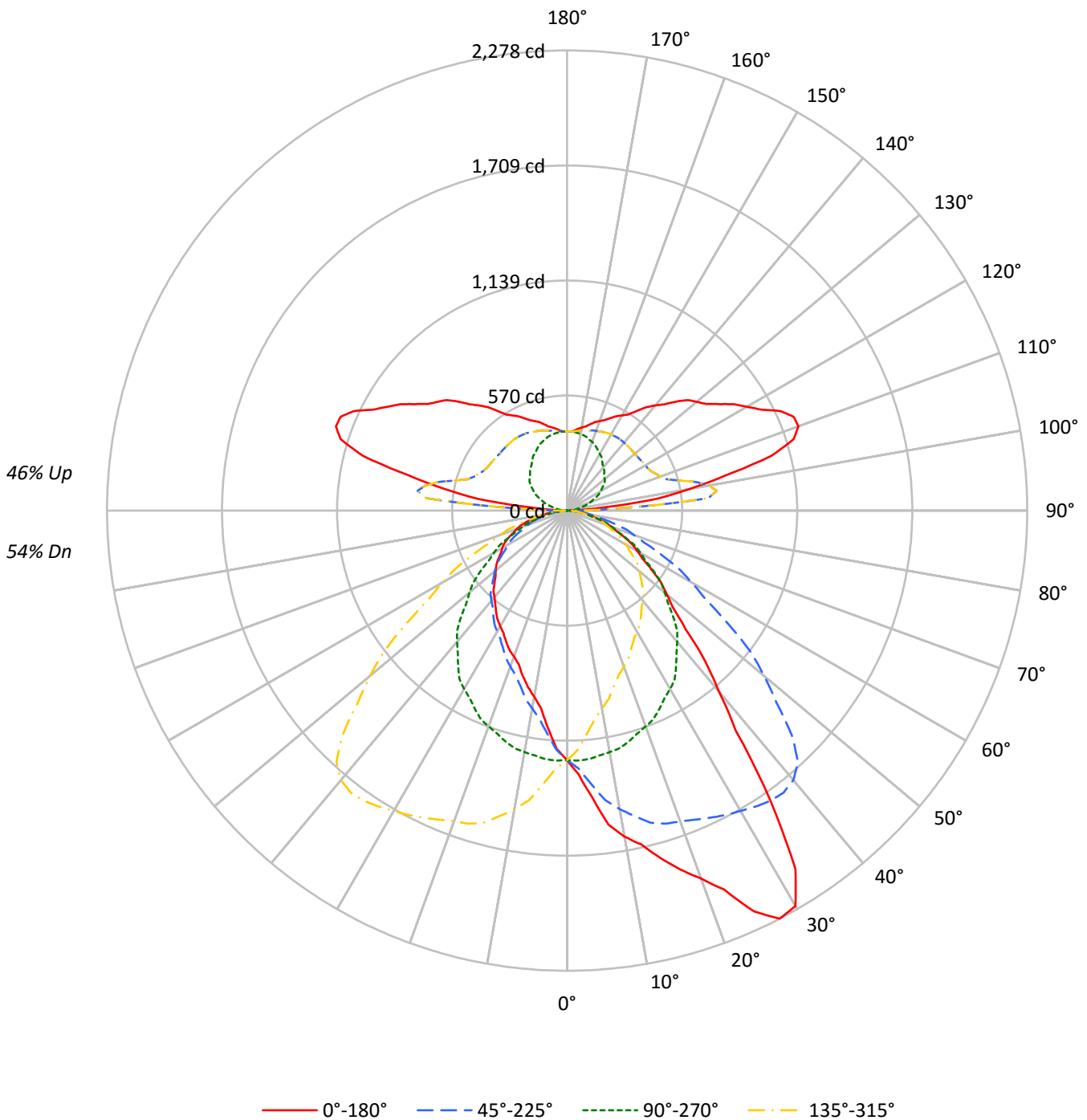
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	67	66	63	59	57	54	51	47	45	43	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	39	37	33
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	36	32	29	31	27	25	22
7	59	47	39	33	55	44	37	32	38	33	28	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20	17
9	51	39	31	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16
10	48	36	28	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7979	7979	7979	7979
5°	9240	8006	7010	8006
10°	10750	7965	6142	7965
15°	11900	7906	5666	7906
20°	13320	7813	5283	7813
25°	15605	7709	5097	7709
30°	16855	7607	4935	7607
35°	13858	7413	4829	7413
40°	9850	7144	4713	7144
45°	7567	6783	4646	6783
50°	6459	6333	4636	6333
55°	5751	5892	4677	5892
60°	5187	5412	4795	5412
65°	4792	4927	4919	4927
70°	4358	4426	4991	4426
75°	3848	3898	4946	3898
80°	3239	3176	4526	3176
85°	2564	2290	3653	2290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.9
10°-20°	354.1	5.5
20°-30°	575.0	8.9
30°-40°	701.4	10.9
40°-50°	638.1	9.9
50°-60°	508.2	7.9
60°-70°	354.0	5.5
70°-80°	188.8	2.9
80°-90°	49.8	0.8
90°-100°	283.9	4.4
100°-110°	610.3	9.5
110°-120°	572.7	8.9
120°-130°	464.2	7.2
130°-140°	372.5	5.8
140°-150°	281.1	4.4
150°-160°	197.9	3.1
160°-170°	116.6	1.8
170°-180°	37.9	0.6
0°-30°	1048.1	16.3
0°-40°	1749.5	27.2
0°-60°	2895.8	45.1
0°-90°	3488.3	54.3
90°-120°	1466.9	22.8
90°-150°	2584.6	40.2
90°-180°	2937.0	45.7
0°-180°	6425.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1425	1235	1081	1235	1425	144
15°	1780	1182	847	1182	1780	509
25°	2190	1082	715	1082	2190	1000
35°	1758	940	612	940	1758	1076
45°	828	743	509	743	828	663
55°	511	523	415	523	511	460
65°	314	322	322	322	314	311
75°	154	156	198	156	154	166
85°	35	31	49	31	35	40
90°	18	1	18	1	18	14
95°	186	26	186	26	186	263
105°	1046	89	1046	89	1046	1040
115°	1166	160	1166	160	1166	1139
125°	918	221	918	221	918	831
135°	763	259	763	259	763	591
145°	602	302	602	302	602	382
155°	504	344	504	344	504	235
165°	442	376	442	376	442	126
175°	397	391	397	391	397	39
180°	392	392	392	392	392	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1306.8	1305.0	1303.4	1300.0	1302.5	1295.5	1292.0	1286.2	1279.1	1276.6	1273.6
5°	1425.2	1427.8	1430.5	1419.5	1420.6	1413.2	1396.4	1382.8	1371.8	1357.7	1347.7
7.5°	1567.9	1561.7	1561.2	1554.1	1541.8	1532.0	1514.3	1491.9	1470.2	1445.4	1424.9
10°	1639.2	1639.7	1635.0	1626.6	1613.6	1604.1	1581.0	1558.9	1532.3	1500.8	1478.2
12.5°	1692.9	1695.1	1689.1	1677.8	1671.4	1650.2	1632.1	1606.0	1574.2	1549.0	1514.7
15°	1779.8	1773.9	1769.8	1755.7	1744.6	1722.6	1693.7	1666.5	1631.8	1599.8	1567.9
17.5°	1863.4	1868.0	1860.2	1847.2	1813.1	1787.4	1748.7	1711.3	1668.3	1625.4	1587.2
20°	1938.1	1942.3	1930.3	1907.7	1866.8	1841.1	1790.2	1742.0	1692.1	1637.1	1595.2
22.5°	2031.2	2027.9	2011.7	1977.3	1941.9	1894.4	1839.3	1780.6	1718.2	1656.0	1600.2
25°	2189.8	2167.8	2157.8	2115.4	2068.7	1998.9	1923.4	1837.4	1759.8	1677.5	1606.2
27.5°	2277.6	2270.8	2259.7	2230.1	2181.0	2106.5	2017.4	1912.6	1803.1	1699.2	1605.9
30°	2260.1	2261.1	2262.2	2252.7	2221.3	2165.2	2076.6	1963.8	1833.7	1716.8	1608.8
32.5°	2104.1	2123.1	2141.3	2162.9	2171.7	2161.0	2105.5	2003.7	1869.9	1737.0	1607.1
35°	1757.7	1763.5	1822.7	1881.5	1961.2	2023.1	2064.5	2019.4	1906.6	1754.0	1605.1
37.5°	1370.5	1398.9	1439.9	1506.2	1621.2	1724.2	1856.7	1917.6	1881.3	1759.6	1601.4
40°	1168.3	1194.6	1221.2	1288.9	1385.9	1510.8	1661.2	1789.7	1819.6	1742.0	1588.8
42.5°	1012.3	1033.0	1062.7	1113.6	1194.7	1305.1	1449.0	1616.9	1720.2	1690.8	1562.5
45°	828.5	841.6	864.7	905.0	963.8	1050.4	1177.2	1360.8	1520.7	1573.7	1499.8
47.5°	709.1	709.0	727.0	754.9	797.3	870.8	964.6	1108.4	1279.3	1405.6	1399.8
50°	642.9	640.3	654.4	678.5	712.1	760.8	850.5	965.3	1129.5	1272.6	1312.5
52.5°	585.8	586.1	594.8	612.7	640.8	682.5	749.4	852.9	993.2	1140.1	1215.2
55°	510.8	508.7	518.6	530.7	551.1	578.3	626.6	705.8	819.6	964.3	1061.9
57.5°	441.9	447.7	451.7	460.1	477.1	495.3	536.0	594.1	684.4	808.6	911.7
60°	401.6	407.5	410.6	419.0	432.6	448.4	479.8	527.0	603.0	710.0	812.2
62.5°	365.6	370.1	371.1	378.7	389.8	405.2	429.9	469.5	529.6	623.2	723.4
65°	313.6	313.6	315.7	323.6	328.8	342.4	361.3	390.1	438.4	511.3	596.7
67.5°	263.5	266.0	265.4	268.9	273.8	284.3	297.8	321.6	357.4	410.6	479.0
70°	230.8	232.8	232.3	234.9	240.1	247.0	258.0	280.5	306.2	351.8	410.6
72.5°	201.4	202.2	200.9	204.3	207.4	213.4	225.7	237.7	261.8	300.2	348.5
75°	154.2	155.2	156.2	158.3	161.5	164.6	171.0	183.0	198.7	227.6	258.5
77.5°	115.5	113.6	116.1	115.8	117.5	120.0	125.5	131.9	144.8	163.1	187.0
80°	87.1	87.6	87.6	88.1	90.7	92.3	97.0	101.7	111.7	125.3	142.1
82.5°	63.5	64.9	64.1	65.0	67.3	68.4	71.0	74.8	80.7	91.4	103.5
85°	34.6	32.0	33.0	34.1	34.1	34.6	36.7	38.3	41.4	45.6	50.3
87.5°	13.7	14.5	14.8	14.8	15.2	14.9	16.5	16.3	17.4	18.5	19.8
90°	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2	13.4	12.6	11.0
92.5°	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0	206.1	254.6	258.6
95°	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7	684.6	699.6	570.9
97.5°	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6	866.2	747.1	509.8
100°	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2	910.4	713.1	454.8
102.5°	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5	883.9	653.0	413.1
105°	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6	799.1	572.5	372.7
107.5°	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5	712.6	517.1	355.7
110°	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8	663.3	491.1	350.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0	626.6	475.9	350.6
115°	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0	586.6	459.6	352.9
117.5°	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0	562.8	451.5	358.2
120°	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2	549.6	447.7	363.2
122.5°	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2	538.2	444.5	367.6
125°	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4	522.7	440.6	375.1
127.5°	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1	508.5	438.7	383.4
130°	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3	499.1	437.5	388.5
132.5°	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5	491.5	437.5	394.2
135°	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0	482.4	437.5	401.9
137.5°	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6	474.4	438.4	409.0
140°	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1	470.6	439.0	412.1
142.5°	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0	467.5	439.7	414.0
145°	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2	462.7	439.0	416.2
147.5°	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1	457.8	437.0	416.9
150°	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4	454.0	435.0	416.9
152.5°	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0	449.6	432.5	416.3
155°	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7	442.2	428.0	414.5
157.5°	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2	435.3	423.2	412.5
160°	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8	429.6	420.1	410.6
162.5°	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8	424.4	416.3	408.7
165°	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2	416.9	410.6	405.9
167.5°	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0	409.5	405.1	401.4
170°	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0	405.1	401.9	399.5
172.5°	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3	400.6	398.1	397.0
175°	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2	394.8	394.0	394.0
177.5°	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9	392.2	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1271.1	1268.2	1264.8	1258.9	1251.8	1248.0	1242.1	1238.4	1230.8	1224.6	1217.8
5°	1335.5	1321.9	1309.4	1293.1	1275.3	1263.7	1250.1	1234.9	1219.2	1203.0	1185.1
7.5°	1402.4	1378.3	1352.0	1323.8	1296.3	1270.9	1246.7	1222.8	1200.6	1173.8	1151.0
10°	1447.2	1416.8	1384.3	1346.0	1308.9	1276.4	1243.3	1214.5	1185.1	1153.7	1125.8
12.5°	1492.2	1451.7	1405.7	1363.7	1318.9	1279.7	1240.8	1204.0	1167.1	1132.3	1099.8
15°	1523.9	1488.1	1445.7	1385.9	1335.5	1281.6	1230.2	1182.5	1137.9	1099.1	1058.2
17.5°	1544.7	1498.7	1453.2	1395.8	1329.8	1269.4	1211.2	1156.6	1106.3	1057.1	1017.7
20°	1548.5	1501.3	1453.6	1397.5	1329.8	1260.6	1202.4	1136.8	1082.9	1032.0	983.7
22.5°	1547.2	1493.8	1441.8	1384.0	1318.1	1254.4	1184.0	1117.1	1058.5	1008.5	958.2
25°	1535.4	1478.2	1413.2	1355.0	1290.0	1222.3	1151.0	1081.8	1022.0	964.8	915.0
27.5°	1525.5	1451.4	1377.8	1309.9	1247.1	1185.1	1116.8	1045.9	979.7	921.7	874.7
30°	1513.4	1432.1	1349.2	1278.4	1214.0	1153.7	1089.1	1020.0	950.7	894.0	843.7
32.5°	1502.5	1407.8	1320.3	1243.2	1174.9	1116.3	1056.8	991.0	923.0	865.6	815.2
35°	1481.4	1371.8	1271.6	1184.6	1111.7	1051.4	1001.6	940.2	877.8	822.2	774.0
37.5°	1454.6	1324.5	1217.1	1125.8	1045.9	982.4	936.0	888.9	829.0	775.5	731.8
40°	1433.6	1291.0	1177.2	1083.9	1001.1	934.9	892.0	847.4	797.6	747.8	701.7
42.5°	1407.2	1260.8	1137.0	1036.5	954.4	890.1	845.0	807.1	763.2	716.7	673.9
45°	1358.7	1206.1	1071.9	963.8	880.9	817.5	770.8	742.6	709.5	665.4	629.2
47.5°	1287.3	1140.3	1001.5	890.0	804.5	745.7	702.0	674.8	651.5	618.7	585.9
50°	1223.9	1091.3	950.7	840.0	754.6	695.3	655.0	630.3	610.4	585.2	557.4
52.5°	1153.0	1029.6	900.8	791.4	706.8	648.3	608.8	587.1	570.6	552.5	525.1
55°	1040.4	935.5	816.0	712.1	634.0	576.8	542.2	523.3	509.7	496.0	479.3
57.5°	916.3	834.2	728.3	633.5	561.5	509.5	477.2	458.8	448.3	441.2	431.3
60°	829.0	758.8	667.5	581.0	510.8	464.6	433.1	419.0	410.1	404.2	397.0
62.5°	748.1	690.4	605.8	526.8	465.4	421.8	393.7	380.0	371.4	368.6	362.5
65°	628.7	584.2	514.4	448.9	396.5	359.2	335.6	322.4	317.2	314.1	314.7
67.5°	511.2	484.0	428.0	372.1	330.2	299.0	280.1	270.0	267.4	263.3	263.2
70°	439.4	419.0	371.8	323.1	285.8	261.7	244.9	234.4	231.8	229.6	229.1
72.5°	376.1	358.2	317.2	278.1	244.7	223.5	209.6	203.4	199.0	197.8	197.7
75°	282.7	272.7	240.1	209.2	186.1	171.5	162.1	156.2	153.1	152.6	153.1
77.5°	201.0	192.3	171.6	149.7	135.1	124.0	116.0	114.0	110.5	110.6	110.0
80°	151.0	145.2	132.2	114.8	102.8	93.3	89.2	85.4	84.4	82.8	84.4
82.5°	109.5	103.3	94.4	83.4	73.4	67.8	63.5	62.4	61.8	61.0	61.4
85°	54.0	54.5	49.3	40.9	36.7	33.5	30.9	30.9	30.4	29.9	30.4
87.5°	20.5	19.4	17.5	16.0	13.5	11.9	11.2	11.5	10.4	10.3	11.0
90°	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6	11.7	18.3	28.1
95°	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1	26.9	33.1	41.8
97.5°	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2	44.2	48.7	57.4
100°	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2	56.9	60.0	68.7
102.5°	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6	69.5	72.0	81.3
105°	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3	89.3	93.2	101.1
107.5°	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5	111.0	114.8	121.3
110°	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0	125.5	128.7	135.8



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5	140.1	142.6	149.7
115°	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5	161.1	163.5	170.6
117.5°	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4	180.9	183.4	190.5
120°	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1	193.5	196.6	203.7
122.5°	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4	206.1	208.6	215.7
125°	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1	222.7	226.6	233.7
127.5°	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2	236.6	241.7	250.6
130°	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4	244.8	251.1	261.4
132.5°	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7	251.8	259.3	270.8
135°	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0	262.2	271.7	284.3
137.5°	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0	274.3	283.2	295.8
140°	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5	281.9	291.3	304.0
142.5°	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3	290.1	298.9	311.5
145°	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6	303.2	311.1	322.1
147.5°	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5	316.5	323.3	333.6
150°	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8	325.3	330.8	341.1
152.5°	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5	333.6	338.4	347.4
155°	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3	344.3	349.0	356.9
157.5°	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7	354.6	358.3	365.1
160°	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6	360.8	364.1	369.5
162.5°	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3	366.6	369.7	374.6
165°	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9	374.3	376.7	380.6
167.5°	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5	380.7	382.1	384.4
170°	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4	384.6	385.4	386.9
172.5°	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9	386.5	387.2	388.8
175°	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8	389.3	390.1	390.8
177.5°	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2	391.0	391.0	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1214.1	1209.4	1205.7	1197.3	1192.7	1186.4	1181.3	1186.8	1180.9	1183.5	1179.6
5°	1176.2	1161.5	1151.0	1135.8	1122.7	1110.6	1101.8	1100.1	1095.9	1093.9	1087.5
7.5°	1130.6	1112.3	1094.3	1074.4	1057.5	1040.5	1029.6	1020.6	1014.6	1006.7	1001.4
10°	1103.8	1079.1	1058.2	1034.1	1013.1	994.7	980.1	972.7	965.9	955.9	952.3
12.5°	1070.7	1045.2	1019.6	993.8	973.7	953.2	940.6	929.5	924.8	913.5	912.4
15°	1031.0	992.7	967.5	941.3	913.4	896.7	886.2	874.1	868.9	861.0	855.3
17.5°	983.5	949.4	917.9	890.7	866.9	852.7	839.7	831.4	822.4	817.3	807.9
20°	949.2	916.7	885.1	856.3	838.0	821.7	811.2	803.3	794.0	791.3	781.8
22.5°	920.2	884.3	854.1	829.9	809.8	791.5	780.1	774.9	768.3	760.2	758.3
25°	873.1	835.9	810.2	786.1	768.2	751.4	743.6	736.8	730.4	724.7	722.6
27.5°	832.4	799.1	768.6	746.8	731.3	716.0	709.0	700.7	696.2	691.6	685.9
30°	803.9	769.8	743.1	722.1	705.3	691.7	684.3	678.5	674.4	670.1	667.0
32.5°	774.5	743.0	717.0	696.5	679.7	669.4	662.9	658.8	654.2	649.1	645.2
35°	735.7	701.0	675.9	658.1	645.0	637.1	629.8	626.1	620.9	620.9	616.6
37.5°	692.0	662.1	639.9	623.6	611.9	604.8	596.8	594.3	591.0	588.8	587.3
40°	666.0	638.1	617.2	601.0	588.3	582.6	576.3	572.1	570.0	567.3	566.3
42.5°	639.1	612.6	592.5	577.4	566.5	561.6	555.7	552.8	548.6	545.1	544.5
45°	598.3	572.6	554.3	542.2	532.8	527.0	523.3	517.1	514.9	510.8	510.2
47.5°	559.6	534.9	516.9	507.1	498.8	494.0	488.3	482.0	479.6	477.5	477.3
50°	530.7	508.2	491.3	481.9	474.0	467.3	461.4	457.3	455.7	455.7	456.8
52.5°	501.3	482.1	467.9	456.4	448.9	441.6	436.3	433.7	431.3	433.8	435.8
55°	458.3	438.9	428.4	417.4	410.1	401.6	399.1	398.0	396.5	400.6	402.7
57.5°	412.8	399.2	386.9	376.0	369.4	364.6	361.0	360.3	363.2	365.3	372.1
60°	383.8	368.1	357.1	348.7	340.8	337.7	336.7	335.6	337.7	343.5	352.3
62.5°	351.9	339.2	327.3	321.0	315.3	310.0	309.8	310.4	314.7	321.2	330.1
65°	305.2	294.2	286.3	278.9	274.3	271.1	272.2	274.3	278.9	287.9	297.8
67.5°	257.7	250.1	243.1	237.1	232.6	232.6	233.7	236.8	242.4	252.7	261.8
70°	227.0	218.6	212.9	210.3	206.6	204.5	207.6	212.9	217.6	227.0	234.9
72.5°	196.4	189.3	184.8	183.0	181.5	179.8	180.8	186.4	192.9	202.3	211.5
75°	151.0	148.3	145.2	143.2	141.6	142.6	143.7	149.0	154.2	164.1	174.6
77.5°	110.2	107.4	105.6	105.1	104.2	104.7	107.8	111.6	116.7	124.0	131.9
80°	83.4	82.3	81.3	80.8	80.8	81.3	85.4	88.1	92.8	99.7	105.9
82.5°	60.7	60.1	59.9	59.8	60.2	60.3	62.8	66.2	70.2	75.3	80.8
85°	32.0	30.9	32.5	33.0	32.0	33.5	34.6	36.7	38.3	40.9	43.5
87.5°	11.7	12.9	12.6	13.3	13.5	14.6	14.4	16.3	17.3	18.3	18.2
90°	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2	15.0	15.8	17.4
92.5°	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0	101.6	76.4	64.7
95°	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7	447.7	350.6	284.3
97.5°	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6	761.3	666.7	574.5
100°	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2	932.5	851.2	769.1
102.5°	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5	1037.4	998.4	942.8
105°	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6	1096.8	1131.6	1122.9
107.5°	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5	1043.9	1133.1	1174.3
110°	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8	983.8	1095.2	1162.3



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0	924.4	1037.0	1116.2
115°	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0	839.4	947.6	1033.6
117.5°	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0	780.4	873.6	952.6
120°	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2	747.0	833.8	903.3
122.5°	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2	723.0	800.3	865.5
125°	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4	690.9	759.6	816.5
127.5°	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1	660.2	724.4	777.6
130°	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3	638.8	700.3	751.7
132.5°	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5	618.5	674.5	723.9
135°	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0	587.4	638.0	683.0
137.5°	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6	559.7	601.7	639.9
140°	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1	543.2	579.6	612.7
142.5°	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0	529.4	560.6	589.4
145°	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2	511.7	536.1	557.4
147.5°	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1	497.0	515.7	531.9
150°	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4	488.8	503.7	518.0
152.5°	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0	480.6	494.3	505.3
155°	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7	468.3	479.3	488.0
157.5°	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2	456.6	465.0	471.9
160°	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8	447.7	455.7	461.1
162.5°	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8	440.1	446.8	451.6
165°	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2	428.8	433.5	437.5
167.5°	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0	417.7	421.3	424.1
170°	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0	411.4	413.7	415.4
172.5°	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3	405.7	407.5	408.4
175°	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2	397.2	398.8	398.8
177.5°	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9	393.5	393.5	393.5
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1177.1	1180.0	1177.5	1180.9	1177.5	1180.0	1177.1	1179.6	1183.5	1180.9	1186.8
5°	1084.9	1080.3	1083.4	1081.3	1083.4	1080.3	1084.9	1087.5	1093.9	1095.9	1100.1
7.5°	999.8	995.2	990.2	987.7	990.2	995.2	999.8	1001.4	1006.7	1014.6	1020.6
10°	946.5	940.7	940.2	936.5	940.2	940.7	946.5	952.3	955.9	965.9	972.7
12.5°	907.5	902.1	896.2	894.6	896.2	902.1	907.5	912.4	913.5	924.8	929.5
15°	852.1	847.9	844.2	847.4	844.2	847.9	852.1	855.3	861.0	868.9	874.1
17.5°	806.1	802.6	801.9	798.1	801.9	802.6	806.1	807.9	817.3	822.4	831.4
20°	777.1	774.5	775.6	768.7	775.6	774.5	777.1	781.8	791.3	794.0	803.3
22.5°	754.1	748.9	748.3	746.9	748.3	748.9	754.1	758.3	760.2	768.3	774.9
25°	717.9	715.3	712.7	715.3	712.7	715.3	717.9	722.6	724.7	730.4	736.8
27.5°	686.3	683.2	682.5	682.8	682.5	683.2	686.3	685.9	691.6	696.2	700.7
30°	667.0	661.8	662.3	661.8	662.3	661.8	667.0	667.0	670.1	674.4	678.5
32.5°	646.0	642.5	641.8	640.8	641.8	642.5	646.0	645.2	649.1	654.2	658.8
35°	615.1	615.1	612.5	612.5	612.5	615.1	615.1	616.6	620.9	620.9	626.1
37.5°	586.0	585.5	583.9	584.2	583.9	585.5	586.0	587.3	588.8	591.0	594.3
40°	564.2	563.7	562.1	559.0	562.1	563.7	564.2	566.3	567.3	570.0	572.1
42.5°	543.2	541.5	540.8	539.7	540.8	541.5	543.2	544.5	545.1	548.6	552.8
45°	510.2	510.2	509.2	508.7	509.2	510.2	510.2	510.2	510.8	514.9	517.1
47.5°	478.2	479.1	481.1	480.8	481.1	479.1	478.2	477.3	477.5	479.6	482.0
50°	458.8	459.4	460.9	461.4	460.9	459.4	458.8	456.8	455.7	455.7	457.3
52.5°	437.5	440.5	442.4	442.1	442.4	440.5	437.5	435.8	433.8	431.3	433.7
55°	407.5	411.1	414.8	415.4	414.8	411.1	407.5	402.7	400.6	396.5	398.0
57.5°	377.8	382.9	386.8	388.0	386.8	382.9	377.8	372.1	365.3	363.2	360.3
60°	357.6	364.5	369.2	371.2	369.2	364.5	357.6	352.3	343.5	337.7	335.6
62.5°	338.3	346.0	350.7	351.1	350.7	346.0	338.3	330.1	321.2	314.7	310.4
65°	306.8	314.7	318.8	321.9	318.8	314.7	306.8	297.8	287.9	278.9	274.3
67.5°	272.8	280.6	285.3	287.8	285.3	280.6	272.8	261.8	252.7	242.4	236.8
70°	248.0	255.9	262.2	264.3	262.2	255.9	248.0	234.9	227.0	217.6	212.9
72.5°	223.7	230.8	235.8	238.2	235.8	230.8	223.7	211.5	202.3	192.9	186.4
75°	181.5	190.9	195.6	198.2	195.6	190.9	181.5	174.6	164.1	154.2	149.0
77.5°	139.9	148.6	151.4	152.7	151.4	148.6	139.9	131.9	124.0	116.7	111.6
80°	112.2	117.4	121.1	121.7	121.1	117.4	112.2	105.9	99.7	92.8	88.1
82.5°	86.2	90.6	91.8	93.1	91.8	90.6	86.2	80.8	75.3	70.2	66.2
85°	47.2	49.3	49.8	49.3	49.8	49.3	47.2	43.5	40.9	38.3	36.7
87.5°	19.0	18.6	18.8	19.6	18.8	18.6	19.0	18.2	18.3	17.3	16.3
90°	17.4	17.4	18.2	18.2	18.2	17.4	17.4	17.4	15.8	15.0	14.2
92.5°	54.6	52.7	51.6	50.4	51.6	52.7	54.6	64.7	76.4	101.6	140.0
95°	228.2	204.5	198.2	185.5	198.2	204.5	228.2	284.3	350.6	447.7	567.7
97.5°	525.7	481.5	458.6	448.5	458.6	481.5	525.7	574.5	666.7	761.3	845.6
100°	714.6	657.7	628.5	615.9	628.5	657.7	714.6	769.1	851.2	932.5	971.2
102.5°	884.5	844.0	812.3	802.8	812.3	844.0	884.5	942.8	998.4	1037.4	1013.5
105°	1097.5	1071.5	1055.7	1046.2	1055.7	1071.5	1097.5	1122.9	1131.6	1096.8	988.6
107.5°	1187.1	1186.9	1181.7	1175.4	1181.7	1186.9	1187.1	1174.3	1133.1	1043.9	899.5
110°	1197.8	1212.8	1218.4	1218.4	1218.4	1212.8	1197.8	1162.3	1095.2	983.8	833.8



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.1	1193.9	1207.6	1213.4	1207.6	1193.9	1168.1	1116.2	1037.0	924.4	782.0
115°	1095.2	1133.1	1155.2	1165.5	1155.2	1133.1	1095.2	1033.6	947.6	839.4	717.0
117.5°	1014.2	1053.3	1075.3	1081.6	1075.3	1053.3	1014.2	952.6	873.6	780.4	675.0
120°	961.7	999.7	1021.0	1027.2	1021.0	999.7	961.7	903.3	833.8	747.0	652.2
122.5°	917.6	952.3	973.6	979.3	973.6	952.3	917.6	865.5	800.3	723.0	635.2
125°	860.7	893.0	910.4	918.3	910.4	893.0	860.7	816.5	759.6	690.9	610.4
127.5°	817.7	846.3	862.7	866.2	862.7	846.3	817.7	777.6	724.4	660.2	585.1
130°	791.2	817.3	833.0	837.8	833.0	817.3	791.2	751.7	700.3	638.8	569.3
132.5°	763.4	789.4	804.0	809.3	804.0	789.4	763.4	723.9	674.5	618.5	553.5
135°	717.7	743.8	758.0	762.8	758.0	743.8	717.7	683.0	638.0	587.4	533.0
137.5°	671.1	694.7	707.8	713.1	707.8	694.7	671.1	639.9	601.7	559.7	515.6
140°	642.0	662.5	674.3	678.2	674.3	662.5	642.0	612.7	579.6	543.2	506.1
142.5°	614.2	631.6	642.8	646.0	642.8	631.6	614.2	589.4	560.6	529.4	498.0
145°	576.4	589.9	598.5	601.7	598.5	589.9	576.4	557.4	536.1	511.7	487.2
147.5°	546.8	557.6	562.7	564.1	562.7	557.6	546.8	531.9	515.7	497.0	477.1
150°	529.9	539.3	542.5	543.2	542.5	539.3	529.9	518.0	503.7	488.8	471.4
152.5°	515.3	522.9	526.0	526.8	526.0	522.9	515.3	505.3	494.3	480.6	465.0
155°	495.8	501.4	503.7	504.5	503.7	501.4	495.8	488.0	479.3	468.3	455.7
157.5°	478.1	482.6	484.8	484.6	484.8	482.6	478.1	471.9	465.0	456.6	446.2
160°	466.7	470.6	472.2	471.4	472.2	470.6	466.7	461.1	455.7	447.7	439.8
162.5°	456.0	459.2	459.6	459.4	459.6	459.2	456.0	451.6	446.8	440.1	432.8
165°	440.6	442.2	442.2	442.2	442.2	442.2	440.6	437.5	433.5	428.8	423.2
167.5°	425.8	427.2	426.6	426.4	426.6	427.2	425.8	424.1	421.3	417.7	414.0
170°	416.9	417.7	417.7	416.9	417.7	417.7	416.9	415.4	413.7	411.4	409.0
172.5°	408.7	410.1	408.9	408.1	408.9	410.1	408.7	408.4	407.5	405.7	403.3
175°	398.8	399.5	398.0	397.2	398.0	399.5	398.8	398.8	398.8	397.2	397.2
177.5°	392.9	393.5	391.6	391.6	391.6	393.5	392.9	393.5	393.5	393.5	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1181.3	1186.4	1192.7	1197.3	1205.7	1209.4	1214.1	1217.8	1224.6	1230.8	1238.4
5°	1101.8	1110.6	1122.7	1135.8	1151.0	1161.5	1176.2	1185.1	1203.0	1219.2	1234.9
7.5°	1029.6	1040.5	1057.5	1074.4	1094.3	1112.3	1130.6	1151.0	1173.8	1200.6	1222.8
10°	980.1	994.7	1013.1	1034.1	1058.2	1079.1	1103.8	1125.8	1153.7	1185.1	1214.5
12.5°	940.6	953.2	973.7	993.8	1019.6	1045.2	1070.7	1099.8	1132.3	1167.1	1204.0
15°	886.2	896.7	913.4	941.3	967.5	992.7	1031.0	1058.2	1099.1	1137.9	1182.5
17.5°	839.7	852.7	866.9	890.7	917.9	949.4	983.5	1017.7	1057.1	1106.3	1156.6
20°	811.2	821.7	838.0	856.3	885.1	916.7	949.2	983.7	1032.0	1082.9	1136.8
22.5°	780.1	791.5	809.8	829.9	854.1	884.3	920.2	958.2	1008.5	1058.5	1117.1
25°	743.6	751.4	768.2	786.1	810.2	835.9	873.1	915.0	964.8	1022.0	1081.8
27.5°	709.0	716.0	731.3	746.8	768.6	799.1	832.4	874.7	921.7	979.7	1045.9
30°	684.3	691.7	705.3	722.1	743.1	769.8	803.9	843.7	894.0	950.7	1020.0
32.5°	662.9	669.4	679.7	696.5	717.0	743.0	774.5	815.2	865.6	923.0	991.0
35°	629.8	637.1	645.0	658.1	675.9	701.0	735.7	774.0	822.2	877.8	940.2
37.5°	596.8	604.8	611.9	623.6	639.9	662.1	692.0	731.8	775.5	829.0	888.9
40°	576.3	582.6	588.3	601.0	617.2	638.1	666.0	701.7	747.8	797.6	847.4
42.5°	555.7	561.6	566.5	577.4	592.5	612.6	639.1	673.9	716.7	763.2	807.1
45°	523.3	527.0	532.8	542.2	554.3	572.6	598.3	629.2	665.4	709.5	742.6
47.5°	488.3	494.0	498.8	507.1	516.9	534.9	559.6	585.9	618.7	651.5	674.8
50°	461.4	467.3	474.0	481.9	491.3	508.2	530.7	557.4	585.2	610.4	630.3
52.5°	436.3	441.6	448.9	456.4	467.9	482.1	501.3	525.1	552.5	570.6	587.1
55°	399.1	401.6	410.1	417.4	428.4	438.9	458.3	479.3	496.0	509.7	523.3
57.5°	361.0	364.6	369.4	376.0	386.9	399.2	412.8	431.3	441.2	448.3	458.8
60°	336.7	337.7	340.8	348.7	357.1	368.1	383.8	397.0	404.2	410.1	419.0
62.5°	309.8	310.0	315.3	321.0	327.3	339.2	351.9	362.5	368.6	371.4	380.0
65°	272.2	271.1	274.3	278.9	286.3	294.2	305.2	314.7	314.1	317.2	322.4
67.5°	233.7	232.6	232.6	237.1	243.1	250.1	257.7	263.2	263.3	267.4	270.0
70°	207.6	204.5	206.6	210.3	212.9	218.6	227.0	229.1	229.6	231.8	234.4
72.5°	180.8	179.8	181.5	183.0	184.8	189.3	196.4	197.7	197.8	199.0	203.4
75°	143.7	142.6	141.6	143.2	145.2	148.3	151.0	153.1	152.6	153.1	156.2
77.5°	107.8	104.7	104.2	105.1	105.6	107.4	110.2	110.0	110.6	110.5	114.0
80°	85.4	81.3	80.8	80.8	81.3	82.3	83.4	84.4	82.8	84.4	85.4
82.5°	62.8	60.3	60.2	59.8	59.9	60.1	60.7	61.4	61.0	61.8	62.4
85°	34.6	33.5	32.0	33.0	32.5	30.9	32.0	30.4	29.9	30.4	30.9
87.5°	14.4	14.6	13.5	13.3	12.6	12.9	11.7	11.0	10.3	10.4	11.5
90°	13.4	12.6	11.0	10.3	8.7	7.9	6.4	4.7	3.1	1.6	0.8
92.5°	206.1	254.6	258.6	180.2	107.9	64.7	41.7	28.1	18.3	11.7	9.6
95°	684.6	699.6	570.9	352.9	179.3	94.7	59.2	41.8	33.1	26.9	26.1
97.5°	866.2	747.1	509.8	281.8	154.4	98.6	72.9	57.4	48.7	44.2	43.2
100°	910.4	713.1	454.8	255.8	153.2	107.3	83.7	68.7	60.0	56.9	55.2
102.5°	883.9	653.0	413.1	245.1	158.9	118.2	95.0	81.3	72.0	69.5	68.6
105°	799.1	572.5	372.7	240.9	170.6	135.8	113.7	101.1	93.2	89.3	89.3
107.5°	712.6	517.1	355.7	248.1	187.9	154.3	134.4	121.3	114.8	111.0	109.5
110°	663.3	491.1	350.6	255.1	200.6	168.1	147.6	135.8	128.7	125.5	124.0



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	626.6	475.9	350.6	263.9	212.6	181.5	161.6	149.7	142.6	140.1	138.5
115°	586.6	459.6	352.9	277.1	231.4	202.2	182.4	170.6	163.5	161.1	159.5
117.5°	562.8	451.5	358.2	292.4	250.6	223.0	203.9	190.5	183.4	180.9	178.4
120°	549.6	447.7	363.2	302.5	264.5	236.9	217.1	203.7	196.6	193.5	191.1
122.5°	538.2	444.5	367.6	313.8	277.8	250.1	230.5	215.7	208.6	206.1	204.4
125°	522.7	440.6	375.1	329.2	295.3	269.2	248.7	233.7	226.6	222.7	221.1
127.5°	508.5	438.7	383.4	343.5	312.3	287.1	266.6	250.6	241.7	236.6	234.2
130°	499.1	437.5	388.5	352.9	323.0	298.5	277.9	261.4	251.1	244.8	242.4
132.5°	491.5	437.5	394.2	361.1	333.1	308.6	288.0	270.8	259.3	251.8	248.7
135°	482.4	437.5	401.9	372.7	346.7	322.1	300.8	284.3	271.7	262.2	259.0
137.5°	474.4	438.4	409.0	381.2	356.3	334.0	312.0	295.8	283.2	274.3	272.0
140°	470.6	439.0	412.1	386.9	363.2	340.3	319.0	304.0	291.3	281.9	279.5
142.5°	467.5	439.7	414.0	390.1	367.6	346.0	326.0	311.5	298.9	290.1	288.3
145°	462.7	439.0	416.2	394.8	375.1	354.6	336.4	322.1	311.1	303.2	301.6
147.5°	457.8	437.0	416.9	397.7	379.8	361.8	345.9	333.6	323.3	316.5	315.5
150°	454.0	435.0	416.9	399.5	382.9	365.6	352.1	341.1	330.8	325.3	323.8
152.5°	449.6	432.5	416.3	400.8	386.1	370.0	357.9	347.4	338.4	333.6	332.5
155°	442.2	428.0	414.5	401.9	389.3	375.9	364.8	356.9	349.0	344.3	344.3
157.5°	435.3	423.2	412.5	402.7	391.9	380.4	372.0	365.1	358.3	354.6	354.7
160°	429.6	420.1	410.6	402.7	393.2	382.9	375.9	369.5	364.1	360.8	361.6
162.5°	424.4	416.3	408.7	402.0	394.5	385.5	379.6	374.6	369.7	366.6	367.3
165°	416.9	410.6	405.9	401.1	394.8	388.5	383.7	380.6	376.7	374.3	375.9
167.5°	409.5	405.1	401.4	399.2	394.8	389.6	386.6	384.4	382.1	380.7	381.5
170°	405.1	401.9	399.5	398.0	394.8	390.8	388.5	386.9	385.4	384.6	385.4
172.5°	400.6	398.1	397.0	396.7	394.2	390.8	389.7	388.8	387.2	386.5	387.9
175°	394.8	394.0	394.0	394.8	393.2	390.8	390.8	390.8	390.1	389.3	390.8
177.5°	392.2	391.6	391.6	392.9	392.2	391.0	391.0	391.6	391.0	391.0	392.2
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



TEST NUMBER: P333225-840

CATALOG NUMBER: S125DIP-S850D810U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1242.1	1248.0	1251.8	1258.9	1264.8	1268.2	1271.1	1273.6	1276.6	1279.1	1286.2
5°	1250.1	1263.7	1275.3	1293.1	1309.4	1321.9	1335.5	1347.7	1357.7	1371.8	1382.8
7.5°	1246.7	1270.9	1296.3	1323.8	1352.0	1378.3	1402.4	1424.9	1445.4	1470.2	1491.9
10°	1243.3	1276.4	1308.9	1346.0	1384.3	1416.8	1447.2	1478.2	1500.8	1532.3	1558.9
12.5°	1240.8	1279.7	1318.9	1363.7	1405.7	1451.7	1492.2	1514.7	1549.0	1574.2	1606.0
15°	1230.2	1281.6	1335.5	1385.9	1445.7	1488.1	1523.9	1567.9	1599.8	1631.8	1666.5
17.5°	1211.2	1269.4	1329.8	1395.8	1453.2	1498.7	1544.7	1587.2	1625.4	1668.3	1711.3
20°	1202.4	1260.6	1329.8	1397.5	1453.6	1501.3	1548.5	1595.2	1637.1	1692.1	1742.0
22.5°	1184.0	1254.4	1318.1	1384.0	1441.8	1493.8	1547.2	1600.2	1656.0	1718.2	1780.6
25°	1151.0	1222.3	1290.0	1355.0	1413.2	1478.2	1535.4	1606.2	1677.5	1759.8	1837.4
27.5°	1116.8	1185.1	1247.1	1309.9	1377.8	1451.4	1525.5	1605.9	1699.2	1803.1	1912.6
30°	1089.1	1153.7	1214.0	1278.4	1349.2	1432.1	1513.4	1608.8	1716.8	1833.7	1963.8
32.5°	1056.8	1116.3	1174.9	1243.2	1320.3	1407.8	1502.5	1607.1	1737.0	1869.9	2003.7
35°	1001.6	1051.4	1111.7	1184.6	1271.6	1371.8	1481.4	1605.1	1754.0	1906.6	2019.4
37.5°	936.0	982.4	1045.9	1125.8	1217.1	1324.5	1454.6	1601.4	1759.6	1881.3	1917.6
40°	892.0	934.9	1001.1	1083.9	1177.2	1291.0	1433.6	1588.8	1742.0	1819.6	1789.7
42.5°	845.0	890.1	954.4	1036.5	1137.0	1260.8	1407.2	1562.5	1690.8	1720.2	1616.9
45°	770.8	817.5	880.9	963.8	1071.9	1206.1	1358.7	1499.8	1573.7	1520.7	1360.8
47.5°	702.0	745.7	804.5	890.0	1001.5	1140.3	1287.3	1399.8	1405.6	1279.3	1108.4
50°	655.0	695.3	754.6	840.0	950.7	1091.3	1223.9	1312.5	1272.6	1129.5	965.3
52.5°	608.8	648.3	706.8	791.4	900.8	1029.6	1153.0	1215.2	1140.1	993.2	852.9
55°	542.2	576.8	634.0	712.1	816.0	935.5	1040.4	1061.9	964.3	819.6	705.8
57.5°	477.2	509.5	561.5	633.5	728.3	834.2	916.3	911.7	808.6	684.4	594.1
60°	433.1	464.6	510.8	581.0	667.5	758.8	829.0	812.2	710.0	603.0	527.0
62.5°	393.7	421.8	465.4	526.8	605.8	690.4	748.1	723.4	623.2	529.6	469.5
65°	335.6	359.2	396.5	448.9	514.4	584.2	628.7	596.7	511.3	438.4	390.1
67.5°	280.1	299.0	330.2	372.1	428.0	484.0	511.2	479.0	410.6	357.4	321.6
70°	244.9	261.7	285.8	323.1	371.8	419.0	439.4	410.6	351.8	306.2	280.5
72.5°	209.6	223.5	244.7	278.1	317.2	358.2	376.1	348.5	300.2	261.8	237.7
75°	162.1	171.5	186.1	209.2	240.1	272.7	282.7	258.5	227.6	198.7	183.0
77.5°	116.0	124.0	135.1	149.7	171.6	192.3	201.0	187.0	163.1	144.8	131.9
80°	89.2	93.3	102.8	114.8	132.2	145.2	151.0	142.1	125.3	111.7	101.7
82.5°	63.5	67.8	73.4	83.4	94.4	103.3	109.5	103.5	91.4	80.7	74.8
85°	30.9	33.5	36.7	40.9	49.3	54.5	54.0	50.3	45.6	41.4	38.3
87.5°	11.2	11.9	13.5	16.0	17.5	19.4	20.5	19.8	18.5	17.4	16.3
90°	1.6	3.1	4.7	6.4	7.9	8.7	10.3	11.0	12.6	13.4	14.2
92.5°	11.7	18.3	28.1	41.7	64.7	107.9	180.2	258.6	254.6	206.1	140.0
95°	26.9	33.1	41.8	59.2	94.7	179.3	352.9	570.9	699.6	684.6	567.7
97.5°	44.2	48.7	57.4	72.9	98.6	154.4	281.8	509.8	747.1	866.2	845.6
100°	56.9	60.0	68.7	83.7	107.3	153.2	255.8	454.8	713.1	910.4	971.2
102.5°	69.5	72.0	81.3	95.0	118.2	158.9	245.1	413.1	653.0	883.9	1013.5
105°	89.3	93.2	101.1	113.7	135.8	170.6	240.9	372.7	572.5	799.1	988.6
107.5°	111.0	114.8	121.3	134.4	154.3	187.9	248.1	355.7	517.1	712.6	899.5
110°	125.5	128.7	135.8	147.6	168.1	200.6	255.1	350.6	491.1	663.3	833.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	140.1	142.6	149.7	161.6	181.5	212.6	263.9	350.6	475.9	626.6	782.0
115°	161.1	163.5	170.6	182.4	202.2	231.4	277.1	352.9	459.6	586.6	717.0
117.5°	180.9	183.4	190.5	203.9	223.0	250.6	292.4	358.2	451.5	562.8	675.0
120°	193.5	196.6	203.7	217.1	236.9	264.5	302.5	363.2	447.7	549.6	652.2
122.5°	206.1	208.6	215.7	230.5	250.1	277.8	313.8	367.6	444.5	538.2	635.2
125°	222.7	226.6	233.7	248.7	269.2	295.3	329.2	375.1	440.6	522.7	610.4
127.5°	236.6	241.7	250.6	266.6	287.1	312.3	343.5	383.4	438.7	508.5	585.1
130°	244.8	251.1	261.4	277.9	298.5	323.0	352.9	388.5	437.5	499.1	569.3
132.5°	251.8	259.3	270.8	288.0	308.6	333.1	361.1	394.2	437.5	491.5	553.5
135°	262.2	271.7	284.3	300.8	322.1	346.7	372.7	401.9	437.5	482.4	533.0
137.5°	274.3	283.2	295.8	312.0	334.0	356.3	381.2	409.0	438.4	474.4	515.6
140°	281.9	291.3	304.0	319.0	340.3	363.2	386.9	412.1	439.0	470.6	506.1
142.5°	290.1	298.9	311.5	326.0	346.0	367.6	390.1	414.0	439.7	467.5	498.0
145°	303.2	311.1	322.1	336.4	354.6	375.1	394.8	416.2	439.0	462.7	487.2
147.5°	316.5	323.3	333.6	345.9	361.8	379.8	397.7	416.9	437.0	457.8	477.1
150°	325.3	330.8	341.1	352.1	365.6	382.9	399.5	416.9	435.0	454.0	471.4
152.5°	333.6	338.4	347.4	357.9	370.0	386.1	400.8	416.3	432.5	449.6	465.0
155°	344.3	349.0	356.9	364.8	375.9	389.3	401.9	414.5	428.0	442.2	455.7
157.5°	354.6	358.3	365.1	372.0	380.4	391.9	402.7	412.5	423.2	435.3	446.2
160°	360.8	364.1	369.5	375.9	382.9	393.2	402.7	410.6	420.1	429.6	439.8
162.5°	366.6	369.7	374.6	379.6	385.5	394.5	402.0	408.7	416.3	424.4	432.8
165°	374.3	376.7	380.6	383.7	388.5	394.8	401.1	405.9	410.6	416.9	423.2
167.5°	380.7	382.1	384.4	386.6	389.6	394.8	399.2	401.4	405.1	409.5	414.0
170°	384.6	385.4	386.9	388.5	390.8	394.8	398.0	399.5	401.9	405.1	409.0
172.5°	386.5	387.2	388.8	389.7	390.8	394.2	396.7	397.0	398.1	400.6	403.3
175°	389.3	390.1	390.8	390.8	390.8	393.2	394.8	394.0	394.0	394.8	397.2
177.5°	391.0	391.0	391.6	391.0	391.0	392.2	392.9	391.6	391.6	392.2	392.9
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6	391.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1292.0	1295.5	1302.5	1300.0	1303.4	1305.0	1306.8
5°	1396.4	1413.2	1420.6	1419.5	1430.5	1427.8	1425.2
7.5°	1514.3	1532.0	1541.8	1554.1	1561.2	1561.7	1567.9
10°	1581.0	1604.1	1613.6	1626.6	1635.0	1639.7	1639.2
12.5°	1632.1	1650.2	1671.4	1677.8	1689.1	1695.1	1692.9
15°	1693.7	1722.6	1744.6	1755.7	1769.8	1773.9	1779.8
17.5°	1748.7	1787.4	1813.1	1847.2	1860.2	1868.0	1863.4
20°	1790.2	1841.1	1866.8	1907.7	1930.3	1942.3	1938.1
22.5°	1839.3	1894.4	1941.9	1977.3	2011.7	2027.9	2031.2
25°	1923.4	1998.9	2068.7	2115.4	2157.8	2167.8	2189.8
27.5°	2017.4	2106.5	2181.0	2230.1	2259.7	2270.8	2277.6
30°	2076.6	2165.2	2221.3	2252.7	2262.2	2261.1	2260.1
32.5°	2105.5	2161.0	2171.7	2162.9	2141.3	2123.1	2104.1
35°	2064.5	2023.1	1961.2	1881.5	1822.7	1763.5	1757.7
37.5°	1856.7	1724.2	1621.2	1506.2	1439.9	1398.9	1370.5
40°	1661.2	1510.8	1385.9	1288.9	1221.2	1194.6	1168.3
42.5°	1449.0	1305.1	1194.7	1113.6	1062.7	1033.0	1012.3
45°	1177.2	1050.4	963.8	905.0	864.7	841.6	828.5
47.5°	964.6	870.8	797.3	754.9	727.0	709.0	709.1
50°	850.5	760.8	712.1	678.5	654.4	640.3	642.9
52.5°	749.4	682.5	640.8	612.7	594.8	586.1	585.8
55°	626.6	578.3	551.1	530.7	518.6	508.7	510.8
57.5°	536.0	495.3	477.1	460.1	451.7	447.7	441.9
60°	479.8	448.4	432.6	419.0	410.6	407.5	401.6
62.5°	429.9	405.2	389.8	378.7	371.1	370.1	365.6
65°	361.3	342.4	328.8	323.6	315.7	313.6	313.6
67.5°	297.8	284.3	273.8	268.9	265.4	266.0	263.5
70°	258.0	247.0	240.1	234.9	232.3	232.8	230.8
72.5°	225.7	213.4	207.4	204.3	200.9	202.2	201.4
75°	171.0	164.6	161.5	158.3	156.2	155.2	154.2
77.5°	125.5	120.0	117.5	115.8	116.1	113.6	115.5
80°	97.0	92.3	90.7	88.1	87.6	87.6	87.1
82.5°	71.0	68.4	67.3	65.0	64.1	64.9	63.5
85°	36.7	34.6	34.1	34.1	33.0	32.0	34.6
87.5°	16.5	14.9	15.2	14.8	14.8	14.5	13.7
90°	15.0	15.8	17.4	17.4	17.4	18.2	18.2
92.5°	101.6	76.4	64.7	54.6	52.7	51.6	50.4
95°	447.7	350.6	284.3	228.2	204.5	198.2	185.5
97.5°	761.3	666.7	574.5	525.7	481.5	458.6	448.5
100°	932.5	851.2	769.1	714.6	657.7	628.5	615.9
102.5°	1037.4	998.4	942.8	884.5	844.0	812.3	802.8
105°	1096.8	1131.6	1122.9	1097.5	1071.5	1055.7	1046.2
107.5°	1043.9	1133.1	1174.3	1187.1	1186.9	1181.7	1175.4
110°	983.8	1095.2	1162.3	1197.8	1212.8	1218.4	1218.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	924.4	1037.0	1116.2	1168.1	1193.9	1207.6	1213.4
115°	839.4	947.6	1033.6	1095.2	1133.1	1155.2	1165.5
117.5°	780.4	873.6	952.6	1014.2	1053.3	1075.3	1081.6
120°	747.0	833.8	903.3	961.7	999.7	1021.0	1027.2
122.5°	723.0	800.3	865.5	917.6	952.3	973.6	979.3
125°	690.9	759.6	816.5	860.7	893.0	910.4	918.3
127.5°	660.2	724.4	777.6	817.7	846.3	862.7	866.2
130°	638.8	700.3	751.7	791.2	817.3	833.0	837.8
132.5°	618.5	674.5	723.9	763.4	789.4	804.0	809.3
135°	587.4	638.0	683.0	717.7	743.8	758.0	762.8
137.5°	559.7	601.7	639.9	671.1	694.7	707.8	713.1
140°	543.2	579.6	612.7	642.0	662.5	674.3	678.2
142.5°	529.4	560.6	589.4	614.2	631.6	642.8	646.0
145°	511.7	536.1	557.4	576.4	589.9	598.5	601.7
147.5°	497.0	515.7	531.9	546.8	557.6	562.7	564.1
150°	488.8	503.7	518.0	529.9	539.3	542.5	543.2
152.5°	480.6	494.3	505.3	515.3	522.9	526.0	526.8
155°	468.3	479.3	488.0	495.8	501.4	503.7	504.5
157.5°	456.6	465.0	471.9	478.1	482.6	484.8	484.6
160°	447.7	455.7	461.1	466.7	470.6	472.2	471.4
162.5°	440.1	446.8	451.6	456.0	459.2	459.6	459.4
165°	428.8	433.5	437.5	440.6	442.2	442.2	442.2
167.5°	417.7	421.3	424.1	425.8	427.2	426.6	426.4
170°	411.4	413.7	415.4	416.9	417.7	417.7	416.9
172.5°	405.7	407.5	408.4	408.7	410.1	408.9	408.1
175°	397.2	398.8	398.8	398.8	399.5	398.0	397.2
177.5°	393.5	393.5	393.5	392.9	393.5	391.6	391.6
180°	391.6	391.6	391.6	391.6	391.6	391.6	391.6

(END OF REPORT)