

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: P332029-927

Luminaire Tested: **S123DIP-S1000D1025U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332029-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1025U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6300.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

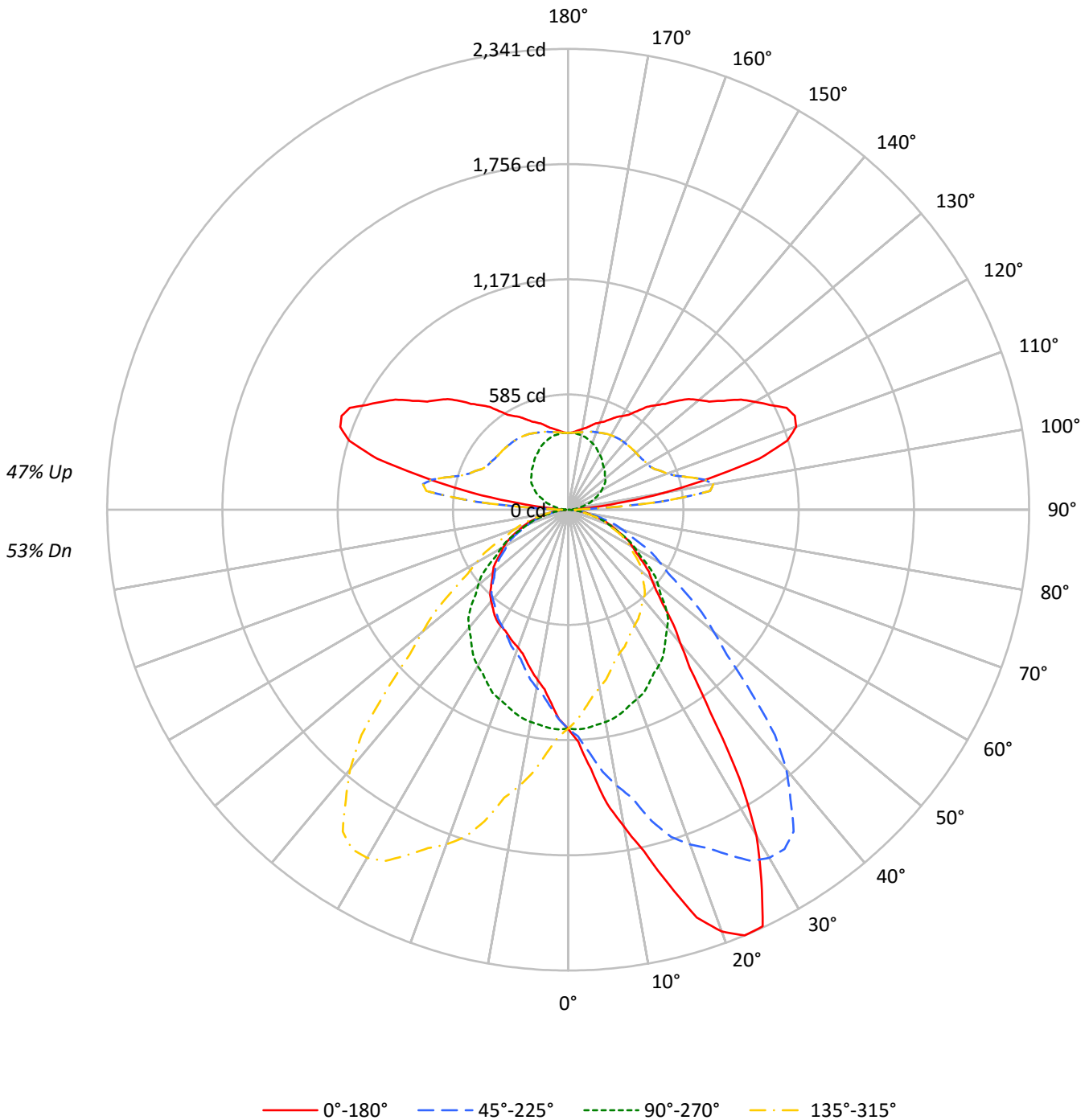
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	87	91	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	66	60	76	68	62	57	59	54	50	50	46	43	42	39	37	33
4	76	65	57	51	70	60	54	48	52	47	43	45	40	37	37	34	32	28
5	69	58	50	44	64	54	47	42	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	36	32	28	31	27	25	22
7	59	47	39	34	55	44	37	32	38	33	28	33	29	25	28	25	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20	17
9	51	39	32	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11976	11976	11976	11976
5°	14282	12028	10659	12028
10°	17876	11967	9627	11967
15°	21926	11870	8963	11870
20°	26120	11720	8534	11720
25°	27736	11537	8438	11537
30°	23772	11404	8483	11404
35°	16533	11213	8571	11213
40°	12452	10991	8545	10991
45°	10339	10660	8435	10660
50°	9262	9984	8359	9984
55°	8659	9256	8255	9256
60°	8122	8495	8170	8495
65°	7636	7743	7908	7743
70°	7160	6889	7531	6889
75°	6413	6030	6904	6030
80°	5610	4947	5945	4947
85°	4397	3594	3989	3594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.7
10°-20°	351.5	5.6
20°-30°	589.8	9.4
30°-40°	667.9	10.6
40°-50°	598.9	9.5
50°-60°	483.3	7.7
60°-70°	336.8	5.3
70°-80°	177.0	2.8
80°-90°	46.3	0.7
90°-100°	217.4	3.5
100°-110°	615.6	9.8
110°-120°	605.5	9.6
120°-130°	483.0	7.7
130°-140°	380.8	6.0
140°-150°	284.2	4.5
150°-160°	198.1	3.1
160°-170°	116.4	1.8
170°-180°	37.9	0.6
0°-30°	1050.9	16.7
0°-40°	1718.8	27.3
0°-60°	2801.1	44.5
0°-90°	3361.2	53.4
90°-120°	1438.5	22.8
90°-150°	2586.5	41.1
90°-180°	2939.0	46.7
0°-180°	6300.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1113	1113	1113	1113	1113	
5°	1322	1113	986	1113	1322	137
15°	1968	1065	804	1065	1968	568
25°	2335	971	710	971	2335	1024
35°	1258	853	652	853	1258	817
45°	679	700	554	700	679	537
55°	461	493	440	493	461	414
65°	300	304	310	304	300	298
75°	154	145	166	145	154	165
85°	36	29	32	29	36	43
90°	23	2	23	2	23	14
95°	92	27	92	27	92	165
105°	1006	92	1006	92	1006	992
115°	1223	162	1223	162	1223	1189
125°	965	225	965	225	965	874
135°	782	264	782	264	782	607
145°	611	301	611	301	611	389
155°	507	342	507	342	507	236
165°	442	374	442	374	442	126
175°	398	390	398	390	398	39
180°	391	391	391	391	391	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1180.7	1180.0	1177.7	1179.5	1176.1	1171.3	1170.8	1166.6	1154.1	1153.2	1149.8
5°	1321.8	1317.5	1316.9	1316.4	1308.8	1298.6	1279.2	1277.6	1251.7	1238.8	1223.1
7.5°	1504.4	1506.7	1498.8	1491.9	1468.9	1453.7	1432.8	1406.2	1374.4	1342.2	1320.7
10°	1635.5	1653.4	1631.3	1616.1	1602.1	1575.7	1545.0	1506.7	1468.5	1423.7	1389.7
12.5°	1776.2	1784.9	1780.4	1766.2	1744.5	1704.2	1649.8	1607.7	1572.4	1497.9	1467.8
15°	1967.6	2000.5	1979.5	1930.9	1932.1	1893.8	1822.6	1744.5	1703.0	1637.7	1548.8
17.5°	2171.6	2175.7	2166.8	2126.3	2099.4	2046.8	1981.1	1906.1	1822.1	1743.1	1648.8
20°	2280.3	2277.0	2258.2	2237.1	2190.8	2149.8	2078.1	1994.6	1886.7	1809.1	1706.2
22.5°	2340.7	2335.3	2326.3	2308.7	2270.2	2226.2	2161.8	2070.4	1967.9	1860.9	1741.9
25°	2335.3	2342.2	2343.4	2338.5	2325.1	2298.6	2247.9	2175.2	2072.7	1935.3	1811.3
27.5°	2123.9	2133.9	2162.7	2188.2	2216.8	2245.9	2242.0	2205.9	2130.1	2011.4	1859.8
30°	1912.6	1891.1	1944.4	2011.8	2057.6	2138.5	2183.8	2186.5	2143.9	2042.0	1894.3
32.5°	1619.4	1643.1	1666.7	1749.6	1849.7	1940.5	2030.7	2103.2	2111.6	2043.8	1914.5
35°	1258.2	1287.9	1330.9	1374.1	1481.9	1574.6	1733.1	1871.1	1981.1	1995.7	1916.4
37.5°	1013.9	1028.6	1055.8	1099.1	1169.6	1279.5	1402.2	1576.6	1735.9	1854.4	1859.6
40°	886.2	890.6	921.3	954.2	1011.3	1101.8	1212.4	1366.5	1557.4	1722.9	1791.9
42.5°	790.5	799.9	813.0	844.6	890.1	958.2	1061.0	1188.4	1363.3	1553.8	1688.8
45°	679.2	690.0	698.1	719.1	751.5	797.3	869.0	985.4	1118.6	1315.3	1497.0
47.5°	605.7	606.6	612.6	628.4	650.5	684.8	735.5	810.3	932.6	1092.2	1278.7
50°	553.1	561.7	563.9	576.2	593.5	618.9	660.9	724.5	824.8	965.0	1136.4
52.5°	516.0	518.6	524.7	533.6	548.7	568.4	604.8	654.7	733.3	852.8	1010.4
55°	461.4	461.4	467.4	474.4	483.0	500.8	525.1	561.7	621.5	714.3	844.7
57.5°	411.0	413.7	417.9	420.0	427.4	439.1	459.4	487.2	531.9	603.2	706.9
60°	377.3	382.2	381.7	386.0	392.4	401.6	418.8	441.5	481.4	538.5	625.9
62.5°	348.0	347.7	347.6	352.8	359.3	368.0	379.2	398.8	432.7	483.3	557.7
65°	299.8	298.7	302.5	305.6	307.8	314.3	322.9	340.2	362.8	400.5	458.2
67.5°	256.8	253.7	255.7	256.8	260.5	265.5	273.6	284.3	302.3	332.6	376.0
70°	227.5	224.8	224.3	225.3	228.5	232.3	238.3	248.5	265.2	289.5	321.3
72.5°	197.3	195.4	195.4	197.7	199.2	201.7	205.9	215.3	228.5	246.8	276.5
75°	154.2	154.2	154.2	154.7	156.3	158.5	161.7	166.6	176.8	189.7	209.7
77.5°	115.6	115.5	114.8	114.7	117.1	118.0	118.8	123.3	129.0	137.8	152.3
80°	90.5	87.9	89.0	90.5	91.7	92.2	93.8	94.9	99.7	104.6	114.8
82.5°	67.3	65.0	65.2	67.7	67.9	68.4	70.1	71.6	73.4	77.9	83.3
85°	35.6	35.6	36.1	36.1	36.7	36.1	37.7	38.3	38.3	41.0	44.2
87.5°	17.5	16.8	17.1	17.3	17.1	17.2	17.5	17.7	18.1	18.6	18.5
90°	22.9	23.7	22.9	22.1	22.9	21.4	20.6	19.8	19.0	19.8	17.4
92.5°	38.1	39.5	38.7	41.1	42.5	46.7	52.8	66.5	91.7	121.6	133.8
95°	91.7	94.9	100.4	107.6	122.6	151.1	193.0	284.6	380.3	468.9	417.5
97.5°	249.7	256.5	277.9	313.5	371.8	466.4	568.4	709.6	777.4	726.7	532.0
100°	495.8	495.0	525.9	583.6	663.5	775.7	868.2	932.3	904.6	748.8	506.0
102.5°	727.3	745.5	771.3	817.0	879.2	950.3	1004.2	1006.3	910.9	707.7	468.1
105°	1005.8	1009.8	1035.1	1065.1	1101.5	1122.0	1107.1	1027.9	862.7	635.7	421.4
107.5°	1166.2	1173.5	1182.0	1192.2	1191.5	1163.3	1094.1	965.7	778.2	572.2	391.7
110°	1232.0	1233.6	1235.2	1228.8	1206.7	1151.3	1051.7	906.2	725.1	536.1	380.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1245.2	1244.9	1238.9	1219.3	1178.8	1107.6	996.0	847.3	678.9	512.1	374.0
115°	1223.3	1219.3	1203.5	1168.7	1109.4	1023.2	907.0	769.4	623.1	486.3	371.6
117.5°	1153.3	1148.0	1125.2	1085.4	1023.5	936.0	831.7	713.0	589.4	471.1	373.0
120°	1095.2	1090.4	1071.4	1027.1	964.7	884.9	790.0	683.2	571.7	464.1	375.6
122.5°	1040.8	1034.7	1013.9	974.1	918.5	844.4	756.5	659.8	557.1	459.7	380.0
125°	964.7	959.2	939.4	904.6	854.0	790.8	714.9	628.7	538.5	453.9	386.7
127.5°	902.1	897.0	879.2	849.4	804.3	746.8	678.3	601.4	522.0	451.1	394.3
130°	866.6	860.3	843.8	815.2	773.3	719.5	655.5	584.4	513.2	449.2	399.3
132.5°	831.9	827.4	812.7	784.3	744.9	693.6	634.0	568.5	504.9	448.5	403.1
135°	782.0	776.5	762.2	738.6	699.8	654.7	603.3	547.2	494.2	447.6	408.8
137.5°	729.4	725.7	713.8	689.7	657.1	618.1	573.8	527.8	484.9	445.8	412.6
140°	692.7	693.5	680.8	658.7	628.7	594.6	556.7	516.3	479.2	445.2	415.1
142.5°	658.5	659.3	647.9	628.4	602.7	573.1	540.3	505.6	474.1	443.9	417.0
145°	611.2	609.7	603.3	586.7	567.0	544.0	518.7	492.7	467.3	442.0	418.3
147.5°	572.4	571.7	565.7	554.4	539.5	523.2	502.7	482.0	460.7	439.0	418.3
150°	549.5	549.5	544.8	536.1	524.3	509.2	492.7	474.4	456.2	436.5	418.3
152.5°	530.6	530.6	527.8	519.7	510.3	497.9	483.2	467.5	451.2	433.3	416.4
155°	506.8	506.0	504.5	498.2	491.1	481.6	469.7	457.0	443.6	427.8	414.3
157.5°	485.2	485.4	484.1	479.3	473.2	465.7	456.5	446.0	435.1	422.9	411.7
160°	471.3	472.1	472.1	467.3	461.8	456.2	448.4	439.7	429.4	419.1	410.4
162.5°	458.6	459.4	459.4	455.3	451.7	446.8	439.5	432.1	423.7	415.3	407.9
165°	442.0	442.0	442.8	439.7	436.5	432.5	427.0	422.2	415.9	409.6	404.1
167.5°	426.2	426.2	427.0	424.8	423.3	420.5	417.3	413.7	408.5	403.9	400.3
170°	416.7	416.7	417.5	415.9	415.1	413.5	410.4	408.1	404.1	400.1	397.8
172.5°	407.9	408.5	410.0	408.4	408.2	407.3	404.7	403.0	399.7	397.0	395.9
175°	397.8	398.5	399.3	398.5	398.5	398.5	397.0	396.2	394.6	393.0	393.0
177.5°	391.9	391.9	393.2	392.5	393.2	393.2	392.5	391.9	391.3	390.6	391.3
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1147.2	1143.7	1140.3	1134.2	1129.0	1121.7	1119.5	1117.0	1109.2	1102.3	1097.1
5°	1217.2	1204.3	1185.4	1168.2	1154.1	1135.3	1124.5	1113.2	1097.0	1082.4	1070.6
7.5°	1290.5	1265.1	1235.8	1204.0	1174.6	1146.1	1123.1	1102.6	1080.0	1058.5	1041.8
10°	1348.8	1312.1	1271.1	1226.9	1189.2	1152.5	1121.8	1094.9	1065.7	1040.4	1019.4
12.5°	1415.2	1360.8	1304.3	1250.6	1206.0	1155.2	1117.9	1083.6	1050.7	1020.2	996.6
15°	1493.7	1424.7	1358.0	1284.0	1216.2	1152.5	1108.3	1065.2	1026.9	995.7	965.5
17.5°	1565.4	1487.2	1399.1	1309.3	1227.3	1151.9	1090.0	1041.2	993.4	955.1	925.0
20°	1605.9	1516.9	1417.2	1324.0	1233.4	1149.3	1081.4	1023.2	971.4	931.0	897.0
22.5°	1640.8	1536.8	1433.6	1333.9	1233.0	1142.4	1065.4	1005.5	949.4	909.8	873.7
25°	1677.0	1552.5	1449.1	1332.1	1219.4	1125.6	1039.3	971.4	915.4	869.0	831.8
27.5°	1708.1	1551.5	1428.6	1302.8	1198.0	1104.0	1011.9	939.1	879.6	829.2	791.5
30°	1728.8	1553.6	1407.5	1283.0	1177.3	1080.3	990.8	917.5	855.0	803.7	768.2
32.5°	1741.8	1552.3	1388.1	1255.4	1144.5	1058.8	968.0	892.1	827.8	777.4	743.1
35°	1749.3	1542.9	1354.7	1198.3	1091.6	1008.1	932.1	853.3	786.0	739.1	700.3
37.5°	1734.2	1522.9	1315.9	1143.4	1026.5	944.2	880.3	813.3	748.8	697.1	663.7
40°	1710.5	1510.0	1285.7	1104.5	981.7	902.4	848.0	782.2	718.6	669.6	638.3
42.5°	1665.2	1483.6	1252.5	1061.4	935.1	855.8	805.7	750.8	690.5	644.5	613.2
45°	1554.7	1426.4	1202.7	996.7	866.3	784.3	740.1	700.3	645.8	601.0	574.1
47.5°	1401.4	1340.2	1130.7	928.5	794.5	715.7	669.7	637.6	597.9	561.7	535.8
50°	1294.8	1269.6	1081.9	881.9	746.6	669.6	625.3	596.2	567.7	531.6	507.8
52.5°	1172.0	1187.6	1025.0	833.6	697.9	622.1	580.5	557.4	531.4	501.8	481.1
55°	998.9	1055.5	926.7	752.6	625.3	553.1	513.7	493.2	478.2	456.1	438.2
57.5°	836.9	908.9	820.4	669.0	554.1	491.7	454.0	431.7	422.0	410.4	396.4
60°	740.7	811.8	744.5	612.9	506.2	446.9	413.4	394.6	384.9	376.8	365.0
62.5°	654.9	726.9	670.3	556.0	459.1	404.2	375.1	356.6	349.1	344.9	334.8
65°	536.9	598.9	561.2	467.4	391.9	343.4	317.0	304.0	297.1	295.4	288.9
67.5°	437.0	484.2	456.7	387.7	328.3	286.4	264.0	252.9	247.6	247.0	242.2
70°	371.5	415.7	394.6	332.1	280.8	248.0	228.5	218.9	215.6	215.1	212.4
72.5°	320.5	351.3	334.6	282.5	242.9	213.0	198.8	188.7	185.0	185.8	183.9
75°	237.2	260.4	250.6	214.5	182.8	163.3	151.5	145.0	141.8	143.4	141.2
77.5°	170.6	185.4	176.6	151.6	132.0	118.0	109.2	105.2	102.3	102.2	101.2
80°	128.8	137.4	132.6	117.5	101.3	89.5	82.5	79.8	78.2	77.6	77.1
82.5°	91.7	99.1	93.4	83.0	72.0	64.9	60.9	57.4	56.2	56.5	55.9
85°	46.3	49.0	46.9	40.4	36.1	32.9	30.7	29.1	28.0	28.6	27.5
87.5°	18.9	18.9	17.1	15.1	13.9	12.2	11.9	10.7	10.1	10.5	10.5
90°	15.1	12.7	10.3	8.7	7.1	4.8	3.2	1.6	3.2	4.8	7.1
92.5°	100.4	66.4	45.7	34.0	27.3	21.2	14.6	9.8	14.6	21.2	27.3
95°	287.8	170.0	102.8	71.9	51.4	37.9	29.2	26.9	29.2	37.9	51.4
97.5°	315.8	183.0	118.7	85.4	65.1	53.5	46.7	45.9	46.7	53.5	65.1
100°	298.1	181.1	125.7	94.9	75.9	64.9	59.3	58.5	59.3	64.9	75.9
102.5°	282.9	183.6	134.0	105.7	88.6	78.1	73.2	71.8	73.2	78.1	88.6
105°	272.0	190.6	147.9	123.3	108.4	98.9	94.1	91.7	94.1	98.9	108.4
107.5°	271.2	203.5	166.0	143.3	129.2	119.9	115.3	112.9	115.3	119.9	129.2
110°	274.4	214.3	178.7	156.5	143.1	134.4	130.5	128.1	130.5	134.4	143.1



TEST NUMBER: P332029-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.7	225.1	192.0	170.5	157.0	148.4	144.4	142.0	144.4	148.4	157.0
115°	291.0	242.7	212.7	191.4	177.9	170.0	165.2	162.1	165.2	170.0	177.9
117.5°	304.6	261.6	231.9	212.1	197.0	189.8	185.8	182.2	185.8	189.8	197.0
120°	314.7	273.6	245.1	225.4	210.3	202.4	198.4	196.1	198.4	202.4	210.3
122.5°	324.2	286.2	258.4	237.4	223.0	214.4	210.5	208.1	210.5	214.4	223.0
125°	339.2	304.4	276.8	255.4	240.3	231.7	227.0	225.4	227.0	231.7	240.3
127.5°	351.6	320.3	293.5	272.2	255.6	246.7	240.8	238.5	240.8	246.7	255.6
130°	359.8	329.7	303.6	282.3	265.7	256.2	249.1	246.7	249.1	256.2	265.7
132.5°	367.4	337.9	312.5	291.8	275.2	263.8	256.0	253.0	256.0	263.8	275.2
135°	377.2	350.3	325.7	304.4	287.8	276.0	267.3	264.1	267.3	276.0	287.8
137.5°	384.4	358.9	335.3	315.5	299.0	286.4	277.9	274.6	277.9	286.4	299.0
140°	388.2	364.6	341.6	321.9	306.0	293.3	285.4	281.5	285.4	293.3	306.0
142.5°	392.1	369.0	346.7	328.1	312.4	301.0	292.4	289.1	292.4	301.0	312.4
145°	396.2	374.8	354.3	336.0	322.7	310.8	303.6	301.3	303.6	310.8	322.7
147.5°	398.7	379.5	360.8	345.2	332.2	322.0	315.1	313.6	315.1	322.0	332.2
150°	399.3	382.7	364.6	350.3	339.2	328.9	322.7	321.9	322.7	328.9	339.2
152.5°	400.6	384.6	369.0	355.4	345.5	336.5	330.2	330.0	330.2	336.5	345.5
155°	400.9	388.2	374.8	363.8	355.1	347.1	342.4	342.4	342.4	347.1	355.1
157.5°	401.7	390.3	379.5	371.0	363.6	356.6	352.8	352.2	352.8	356.6	363.6
160°	401.7	392.2	382.7	374.8	369.2	363.0	359.8	359.8	359.8	363.0	369.2
162.5°	401.1	392.8	384.6	378.0	373.0	368.0	365.5	365.5	365.5	368.0	373.0
165°	399.3	393.8	387.5	381.9	378.7	374.8	373.2	374.0	373.2	374.8	378.7
167.5°	398.1	393.6	389.0	385.6	383.3	380.3	379.5	380.5	379.5	380.3	383.3
170°	396.2	393.0	389.0	387.5	385.9	383.5	382.7	384.3	382.7	383.5	385.9
172.5°	395.5	393.0	389.7	388.7	387.8	386.0	385.9	386.8	385.9	386.0	387.8
175°	393.8	392.2	390.6	389.8	389.8	388.2	389.0	389.8	389.0	388.2	389.8
177.5°	392.5	391.3	390.6	390.6	390.6	390.0	390.6	391.3	390.6	390.0	390.6
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332029-927

CATALOG NUMBER: S123DIP-S1000D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1094.1	1091.1	1086.8	1080.3	1075.1	1066.9	1066.9	1068.3	1068.3	1067.8	1066.9
5°	1060.9	1052.8	1043.1	1031.8	1019.9	1008.1	1005.9	1001.6	998.4	996.2	993.5
7.5°	1025.9	1011.5	997.4	981.5	967.1	955.1	946.8	939.9	935.5	930.7	927.3
10°	1002.1	984.4	967.7	950.9	932.6	918.1	908.9	902.4	897.5	893.3	891.1
12.5°	974.1	953.7	935.3	919.4	899.4	884.4	875.7	872.7	867.0	857.9	853.1
15°	933.1	914.3	892.2	867.9	858.2	839.9	829.7	824.8	821.6	814.5	812.4
17.5°	898.1	873.4	848.6	830.5	812.5	797.6	791.9	785.8	781.6	775.9	774.1
20°	870.1	848.0	825.3	805.9	787.0	770.9	766.0	761.7	757.4	754.7	752.6
22.5°	841.6	819.5	800.7	782.6	762.5	751.9	746.6	741.9	738.9	737.0	734.8
25°	801.6	782.2	761.2	745.0	728.8	721.8	718.6	715.9	713.8	711.1	710.5
27.5°	765.8	744.7	727.6	712.6	700.9	695.1	692.0	690.6	691.1	692.1	692.7
30°	739.1	719.7	705.7	692.7	681.9	676.5	676.0	676.0	678.2	678.7	679.8
32.5°	714.5	698.5	684.5	672.0	663.8	660.1	662.2	662.2	663.9	665.4	667.3
35°	678.7	664.6	653.9	643.1	636.1	637.7	638.8	639.8	642.5	645.8	648.0
37.5°	644.5	632.3	621.2	612.7	609.5	612.4	615.0	617.3	620.4	622.8	625.0
40°	620.0	610.8	600.0	592.5	593.5	595.2	597.3	600.0	602.7	604.3	606.5
42.5°	597.1	587.5	579.3	573.1	574.6	576.6	577.9	579.3	582.4	585.3	586.6
45°	562.3	554.7	547.2	543.4	544.5	545.6	546.6	548.3	551.0	553.1	553.7
47.5°	523.1	517.8	512.8	509.1	510.8	510.4	511.8	515.2	516.1	517.4	520.4
50°	498.1	493.2	487.4	486.2	486.2	486.2	486.8	491.1	491.1	493.2	495.4
52.5°	470.5	467.4	463.6	461.7	460.8	460.8	463.0	465.2	466.1	469.1	471.3
55°	429.7	426.4	423.2	421.5	420.5	421.5	425.9	426.9	429.7	431.3	432.8
57.5°	387.1	384.6	382.0	381.1	380.9	382.3	384.7	387.9	388.6	393.6	396.0
60°	359.0	355.2	353.1	353.1	352.0	356.9	355.8	361.2	362.3	365.5	369.2
62.5°	330.1	325.0	324.2	324.2	325.7	327.1	328.6	331.0	333.8	337.9	340.8
65°	283.5	280.8	284.6	284.1	283.0	286.2	286.2	288.9	292.2	296.0	301.9
67.5°	239.5	238.1	238.4	238.4	240.0	241.9	243.4	245.7	249.6	253.6	257.5
70°	209.7	211.4	208.7	210.8	212.4	212.9	214.0	217.2	221.6	224.3	228.5
72.5°	180.8	180.7	181.0	181.9	183.5	184.5	185.5	189.3	193.9	196.2	199.7
75°	139.1	138.6	140.1	140.1	142.8	143.9	145.0	146.6	150.9	154.2	156.9
77.5°	101.6	102.2	101.9	103.7	103.0	103.1	106.5	108.1	108.6	114.9	116.4
80°	76.5	77.6	78.2	78.7	79.2	78.2	81.9	83.6	83.6	87.3	90.0
82.5°	55.0	55.6	57.0	57.6	57.7	58.8	59.1	60.3	61.6	63.2	66.7
85°	27.5	29.1	29.6	29.1	29.6	28.6	30.2	30.7	31.3	31.3	31.3
87.5°	10.4	11.1	11.2	12.0	12.1	13.0	12.8	12.1	12.3	13.8	12.4
90°	8.7	10.3	12.7	15.1	17.4	19.8	19.0	19.8	20.6	21.4	22.9
92.5°	34.0	45.7	66.4	100.4	133.8	121.6	91.7	66.5	52.8	46.7	42.5
95°	71.9	102.8	170.0	287.8	417.5	468.9	380.3	284.6	193.0	151.1	122.6
97.5°	85.4	118.7	183.0	315.8	532.0	726.7	777.4	709.6	568.4	466.4	371.8
100°	94.9	125.7	181.1	298.1	506.0	748.8	904.6	932.3	868.2	775.7	663.5
102.5°	105.7	134.0	183.6	282.9	468.1	707.7	910.9	1006.3	1004.2	950.3	879.2
105°	123.3	147.9	190.6	272.0	421.4	635.7	862.7	1027.9	1107.1	1122.0	1101.5
107.5°	143.3	166.0	203.5	271.2	391.7	572.2	778.2	965.7	1094.1	1163.3	1191.5
110°	156.5	178.7	214.3	274.4	380.3	536.1	725.1	906.2	1051.7	1151.3	1206.7



TEST NUMBER: P332029-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	170.5	192.0	225.1	280.7	374.0	512.1	678.9	847.3	996.0	1107.6	1178.8
115°	191.4	212.7	242.7	291.0	371.6	486.3	623.1	769.4	907.0	1023.2	1109.4
117.5°	212.1	231.9	261.6	304.6	373.0	471.1	589.4	713.0	831.7	936.0	1023.5
120°	225.4	245.1	273.6	314.7	375.6	464.1	571.7	683.2	790.0	884.9	964.7
122.5°	237.4	258.4	286.2	324.2	380.0	459.7	557.1	659.8	756.5	844.4	918.5
125°	255.4	276.8	304.4	339.2	386.7	453.9	538.5	628.7	714.9	790.8	854.0
127.5°	272.2	293.5	320.3	351.6	394.3	451.1	522.0	601.4	678.3	746.8	804.3
130°	282.3	303.6	329.7	359.8	399.3	449.2	513.2	584.4	655.5	719.5	773.3
132.5°	291.8	312.5	337.9	367.4	403.1	448.5	504.9	568.5	634.0	693.6	744.9
135°	304.4	325.7	350.3	377.2	408.8	447.6	494.2	547.2	603.3	654.7	699.8
137.5°	315.5	335.3	358.9	384.4	412.6	445.8	484.9	527.8	573.8	618.1	657.1
140°	321.9	341.6	364.6	388.2	415.1	445.2	479.2	516.3	556.7	594.6	628.7
142.5°	328.1	346.7	369.0	392.1	417.0	443.9	474.1	505.6	540.3	573.1	602.7
145°	336.0	354.3	374.8	396.2	418.3	442.0	467.3	492.7	518.7	544.0	567.0
147.5°	345.2	360.8	379.5	398.7	418.3	439.0	460.7	482.0	502.7	523.2	539.5
150°	350.3	364.6	382.7	399.3	418.3	436.5	456.2	474.4	492.7	509.2	524.3
152.5°	355.4	369.0	384.6	400.6	416.4	433.3	451.2	467.5	483.2	497.9	510.3
155°	363.8	374.8	388.2	400.9	414.3	427.8	443.6	457.0	469.7	481.6	491.1
157.5°	371.0	379.5	390.3	401.7	411.7	422.9	435.1	446.0	456.5	465.7	473.2
160°	374.8	382.7	392.2	401.7	410.4	419.1	429.4	439.7	448.4	456.2	461.8
162.5°	378.0	384.6	392.8	401.1	407.9	415.3	423.7	432.1	439.5	446.8	451.7
165°	381.9	387.5	393.8	399.3	404.1	409.6	415.9	422.2	427.0	432.5	436.5
167.5°	385.6	389.0	393.6	398.1	400.3	403.9	408.5	413.7	417.3	420.5	423.3
170°	387.5	389.0	393.0	396.2	397.8	400.1	404.1	408.1	410.4	413.5	415.1
172.5°	388.7	389.7	393.0	395.5	395.9	397.0	399.7	403.0	404.7	407.3	408.2
175°	389.8	390.6	392.2	393.8	393.0	393.0	394.6	396.2	397.0	398.5	398.5
177.5°	390.6	390.6	391.3	392.5	391.3	390.6	391.3	391.9	392.5	393.2	393.2
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332029-927

CATALOG NUMBER: S123DIP-S1000D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1063.9	1063.5	1066.5	1064.4	1066.5	1063.5	1063.9	1066.9	1067.8	1068.3	1068.3
5°	990.3	991.9	986.5	986.5	986.5	991.9	990.3	993.5	996.2	998.4	1001.6
7.5°	924.7	922.3	922.6	919.6	922.6	922.3	924.7	927.3	930.7	935.5	939.9
10°	884.6	881.4	880.3	880.8	880.3	881.4	884.6	891.1	893.3	897.5	902.4
12.5°	851.4	850.8	843.7	843.8	843.7	850.8	851.4	853.1	857.9	867.0	872.7
15°	812.4	802.2	801.1	804.3	801.1	802.2	812.4	812.4	814.5	821.6	824.8
17.5°	773.2	767.9	768.2	766.6	768.2	767.9	773.2	774.1	775.9	781.6	785.8
20°	752.6	749.3	748.8	745.0	748.8	749.3	752.6	752.6	754.7	757.4	761.7
22.5°	733.6	732.5	732.8	728.6	732.8	732.5	733.6	734.8	737.0	738.9	741.9
25°	710.0	712.6	710.5	710.5	710.5	712.6	710.0	710.5	711.1	713.8	715.9
27.5°	694.0	693.9	692.8	692.8	692.8	693.9	694.0	692.7	692.1	691.1	690.6
30°	681.9	681.4	682.5	682.5	682.5	681.4	681.9	679.8	678.7	678.2	676.0
32.5°	669.9	670.6	670.8	671.2	670.8	670.6	669.9	667.3	665.4	663.9	662.2
35°	651.2	651.7	653.4	652.3	653.4	651.7	651.2	648.0	645.8	642.5	639.8
37.5°	626.0	628.4	627.9	628.8	627.9	628.4	626.0	625.0	622.8	620.4	617.3
40°	607.0	608.6	608.1	608.1	608.1	608.6	607.0	606.5	604.3	602.7	600.0
42.5°	587.6	588.7	587.4	586.5	587.4	588.7	587.6	586.6	585.3	582.4	579.3
45°	555.8	554.7	556.3	554.1	556.3	554.7	555.8	553.7	553.1	551.0	548.3
47.5°	520.2	521.3	521.7	523.3	521.7	521.3	520.2	520.4	517.4	516.1	515.2
50°	496.5	499.7	499.7	499.2	499.7	499.7	496.5	495.4	493.2	491.1	491.1
52.5°	473.2	474.7	476.9	476.7	476.9	474.7	473.2	471.3	469.1	466.1	465.2
55°	437.2	438.2	439.3	439.9	439.3	438.2	437.2	432.8	431.3	429.7	426.9
57.5°	399.9	399.4	402.0	402.8	402.0	399.4	399.9	396.0	393.6	388.6	387.9
60°	373.6	373.6	377.9	379.5	377.9	373.6	373.6	369.2	365.5	362.3	361.2
62.5°	345.5	347.3	351.6	349.4	351.6	347.3	345.5	340.8	337.9	333.8	331.0
65°	304.6	308.9	308.3	310.5	308.3	308.9	304.6	301.9	296.0	292.2	288.9
67.5°	261.7	264.4	268.3	268.7	268.3	264.4	261.7	257.5	253.6	249.6	245.7
70°	232.9	235.6	237.7	239.3	237.7	235.6	232.9	228.5	224.3	221.6	217.2
72.5°	204.9	206.3	211.4	209.1	211.4	206.3	204.9	199.7	196.2	193.9	189.3
75°	160.7	164.4	167.6	166.0	167.6	164.4	160.7	156.9	154.2	150.9	146.6
77.5°	118.8	122.6	124.1	122.7	124.1	122.6	118.8	116.4	114.9	108.6	108.1
80°	93.8	93.2	96.5	95.9	96.5	93.2	93.8	90.0	87.3	83.6	83.6
82.5°	68.8	68.3	69.8	70.1	69.8	68.3	68.8	66.7	63.2	61.6	60.3
85°	33.4	35.0	32.9	32.3	32.9	35.0	33.4	31.3	31.3	31.3	30.7
87.5°	12.2	12.4	12.0	11.5	12.0	12.4	12.2	12.4	13.8	12.3	12.1
90°	22.1	22.9	23.7	22.9	23.7	22.9	22.1	22.9	21.4	20.6	19.8
92.5°	41.1	38.7	39.5	38.1	39.5	38.7	41.1	42.5	46.7	52.8	66.5
95°	107.6	100.4	94.9	91.7	94.9	100.4	107.6	122.6	151.1	193.0	284.6
97.5°	313.5	277.9	256.5	249.7	256.5	277.9	313.5	371.8	466.4	568.4	709.6
100°	583.6	525.9	495.0	495.8	495.0	525.9	583.6	663.5	775.7	868.2	932.3
102.5°	817.0	771.3	745.5	727.3	745.5	771.3	817.0	879.2	950.3	1004.2	1006.3
105°	1065.1	1035.1	1009.8	1005.8	1009.8	1035.1	1065.1	1101.5	1122.0	1107.1	1027.9
107.5°	1192.2	1182.0	1173.5	1166.2	1173.5	1182.0	1192.2	1191.5	1163.3	1094.1	965.7
110°	1228.8	1235.2	1233.6	1232.0	1233.6	1235.2	1228.8	1206.7	1151.3	1051.7	906.2



TEST NUMBER: P332029-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1219.3	1238.9	1244.9	1245.2	1244.9	1238.9	1219.3	1178.8	1107.6	996.0	847.3
115°	1168.7	1203.5	1219.3	1223.3	1219.3	1203.5	1168.7	1109.4	1023.2	907.0	769.4
117.5°	1085.4	1125.2	1148.0	1153.3	1148.0	1125.2	1085.4	1023.5	936.0	831.7	713.0
120°	1027.1	1071.4	1090.4	1095.2	1090.4	1071.4	1027.1	964.7	884.9	790.0	683.2
122.5°	974.1	1013.9	1034.7	1040.8	1034.7	1013.9	974.1	918.5	844.4	756.5	659.8
125°	904.6	939.4	959.2	964.7	959.2	939.4	904.6	854.0	790.8	714.9	628.7
127.5°	849.4	879.2	897.0	902.1	897.0	879.2	849.4	804.3	746.8	678.3	601.4
130°	815.2	843.8	860.3	866.6	860.3	843.8	815.2	773.3	719.5	655.5	584.4
132.5°	784.3	812.7	827.4	831.9	827.4	812.7	784.3	744.9	693.6	634.0	568.5
135°	738.6	762.2	776.5	782.0	776.5	762.2	738.6	699.8	654.7	603.3	547.2
137.5°	689.7	713.8	725.7	729.4	725.7	713.8	689.7	657.1	618.1	573.8	527.8
140°	658.7	680.8	693.5	692.7	693.5	680.8	658.7	628.7	594.6	556.7	516.3
142.5°	628.4	647.9	659.3	658.5	659.3	647.9	628.4	602.7	573.1	540.3	505.6
145°	586.7	603.3	609.7	611.2	609.7	603.3	586.7	567.0	544.0	518.7	492.7
147.5°	554.4	565.7	571.7	572.4	571.7	565.7	554.4	539.5	523.2	502.7	482.0
150°	536.1	544.8	549.5	549.5	549.5	544.8	536.1	524.3	509.2	492.7	474.4
152.5°	519.7	527.8	530.6	530.6	530.6	527.8	519.7	510.3	497.9	483.2	467.5
155°	498.2	504.5	506.0	506.8	506.0	504.5	498.2	491.1	481.6	469.7	457.0
157.5°	479.3	484.1	485.4	485.2	485.4	484.1	479.3	473.2	465.7	456.5	446.0
160°	467.3	472.1	472.1	471.3	472.1	472.1	467.3	461.8	456.2	448.4	439.7
162.5°	455.3	459.4	459.4	458.6	459.4	459.4	455.3	451.7	446.8	439.5	432.1
165°	439.7	442.8	442.0	442.0	442.0	442.8	439.7	436.5	432.5	427.0	422.2
167.5°	424.8	427.0	426.2	426.2	426.2	427.0	424.8	423.3	420.5	417.3	413.7
170°	415.9	417.5	416.7	416.7	416.7	417.5	415.9	415.1	413.5	410.4	408.1
172.5°	408.4	410.0	408.5	407.9	408.5	410.0	408.4	408.2	407.3	404.7	403.0
175°	398.5	399.3	398.5	397.8	398.5	399.3	398.5	398.5	398.5	397.0	396.2
177.5°	392.5	393.2	391.9	391.9	391.9	393.2	392.5	393.2	393.2	392.5	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332029-927

CATALOG NUMBER: S123DIP-S1000D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1066.9	1066.9	1075.1	1080.3	1086.8	1091.1	1094.1	1097.1	1102.3	1109.2	1117.0
5°	1005.9	1008.1	1019.9	1031.8	1043.1	1052.8	1060.9	1070.6	1082.4	1097.0	1113.2
7.5°	946.8	955.1	967.1	981.5	997.4	1011.5	1025.9	1041.8	1058.5	1080.0	1102.6
10°	908.9	918.1	932.6	950.9	967.7	984.4	1002.1	1019.4	1040.4	1065.7	1094.9
12.5°	875.7	884.4	899.4	919.4	935.3	953.7	974.1	996.6	1020.2	1050.7	1083.6
15°	829.7	839.9	858.2	867.9	892.2	914.3	933.1	965.5	995.7	1026.9	1065.2
17.5°	791.9	797.6	812.5	830.5	848.6	873.4	898.1	925.0	955.1	993.4	1041.2
20°	766.0	770.9	787.0	805.9	825.3	848.0	870.1	897.0	931.0	971.4	1023.2
22.5°	746.6	751.9	762.5	782.6	800.7	819.5	841.6	873.7	909.8	949.4	1005.5
25°	718.6	721.8	728.8	745.0	761.2	782.2	801.6	831.8	869.0	915.4	971.4
27.5°	692.0	695.1	700.9	712.6	727.6	744.7	765.8	791.5	829.2	879.6	939.1
30°	676.0	676.5	681.9	692.7	705.7	719.7	739.1	768.2	803.7	855.0	917.5
32.5°	662.2	660.1	663.8	672.0	684.5	698.5	714.5	743.1	777.4	827.8	892.1
35°	638.8	637.7	636.1	643.1	653.9	664.6	678.7	700.3	739.1	786.0	853.3
37.5°	615.0	612.4	609.5	612.7	621.2	632.3	644.5	663.7	697.1	748.8	813.3
40°	597.3	595.2	593.5	592.5	600.0	610.8	620.0	638.3	669.6	718.6	782.2
42.5°	577.9	576.6	574.6	573.1	579.3	587.5	597.1	613.2	644.5	690.5	750.8
45°	546.6	545.6	544.5	543.4	547.2	554.7	562.3	574.1	601.0	645.8	700.3
47.5°	511.8	510.4	510.8	509.1	512.8	517.8	523.1	535.8	561.7	597.9	637.6
50°	486.8	486.2	486.2	486.2	487.4	493.2	498.1	507.8	531.6	567.7	596.2
52.5°	463.0	460.8	460.8	461.7	463.6	467.4	470.5	481.1	501.8	531.4	557.4
55°	425.9	421.5	420.5	421.5	423.2	426.4	429.7	438.2	456.1	478.2	493.2
57.5°	384.7	382.3	380.9	381.1	382.0	384.6	387.1	396.4	410.4	422.0	431.7
60°	355.8	356.9	352.0	353.1	353.1	355.2	359.0	365.0	376.8	384.9	394.6
62.5°	328.6	327.1	325.7	324.2	324.2	325.0	330.1	334.8	344.9	349.1	356.6
65°	286.2	286.2	283.0	284.1	284.6	280.8	283.5	288.9	295.4	297.1	304.0
67.5°	243.4	241.9	240.0	238.4	238.4	238.1	239.5	242.2	247.0	247.6	252.9
70°	214.0	212.9	212.4	210.8	208.7	211.4	209.7	212.4	215.1	215.6	218.9
72.5°	185.5	184.5	183.5	181.9	181.0	180.7	180.8	183.9	185.8	185.0	188.7
75°	145.0	143.9	142.8	140.1	140.1	138.6	139.1	141.2	143.4	141.8	145.0
77.5°	106.5	103.1	103.0	103.7	101.9	102.2	101.6	101.2	102.2	102.3	105.2
80°	81.9	78.2	79.2	78.7	78.2	77.6	76.5	77.1	77.6	78.2	79.8
82.5°	59.1	58.8	57.7	57.6	57.0	55.6	55.0	55.9	56.5	56.2	57.4
85°	30.2	28.6	29.6	29.1	29.6	29.1	27.5	27.5	28.6	28.0	29.1
87.5°	12.8	13.0	12.1	12.0	11.2	11.1	10.4	10.5	10.5	10.1	10.7
90°	19.0	19.8	17.4	15.1	12.7	10.3	8.7	7.1	4.8	3.2	1.6
92.5°	91.7	121.6	133.8	100.4	66.4	45.7	34.0	27.3	21.2	14.6	9.8
95°	380.3	468.9	417.5	287.8	170.0	102.8	71.9	51.4	37.9	29.2	26.9
97.5°	777.4	726.7	532.0	315.8	183.0	118.7	85.4	65.1	53.5	46.7	45.9
100°	904.6	748.8	506.0	298.1	181.1	125.7	94.9	75.9	64.9	59.3	58.5
102.5°	910.9	707.7	468.1	282.9	183.6	134.0	105.7	88.6	78.1	73.2	71.8
105°	862.7	635.7	421.4	272.0	190.6	147.9	123.3	108.4	98.9	94.1	91.7
107.5°	778.2	572.2	391.7	271.2	203.5	166.0	143.3	129.2	119.9	115.3	112.9
110°	725.1	536.1	380.3	274.4	214.3	178.7	156.5	143.1	134.4	130.5	128.1



TEST NUMBER: P332029-927

CATALOG NUMBER: S123DIP-S1000D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	678.9	512.1	374.0	280.7	225.1	192.0	170.5	157.0	148.4	144.4	142.0
115°	623.1	486.3	371.6	291.0	242.7	212.7	191.4	177.9	170.0	165.2	162.1
117.5°	589.4	471.1	373.0	304.6	261.6	231.9	212.1	197.0	189.8	185.8	182.2
120°	571.7	464.1	375.6	314.7	273.6	245.1	225.4	210.3	202.4	198.4	196.1
122.5°	557.1	459.7	380.0	324.2	286.2	258.4	237.4	223.0	214.4	210.5	208.1
125°	538.5	453.9	386.7	339.2	304.4	276.8	255.4	240.3	231.7	227.0	225.4
127.5°	522.0	451.1	394.3	351.6	320.3	293.5	272.2	255.6	246.7	240.8	238.5
130°	513.2	449.2	399.3	359.8	329.7	303.6	282.3	265.7	256.2	249.1	246.7
132.5°	504.9	448.5	403.1	367.4	337.9	312.5	291.8	275.2	263.8	256.0	253.0
135°	494.2	447.6	408.8	377.2	350.3	325.7	304.4	287.8	276.0	267.3	264.1
137.5°	484.9	445.8	412.6	384.4	358.9	335.3	315.5	299.0	286.4	277.9	274.6
140°	479.2	445.2	415.1	388.2	364.6	341.6	321.9	306.0	293.3	285.4	281.5
142.5°	474.1	443.9	417.0	392.1	369.0	346.7	328.1	312.4	301.0	292.4	289.1
145°	467.3	442.0	418.3	396.2	374.8	354.3	336.0	322.7	310.8	303.6	301.3
147.5°	460.7	439.0	418.3	398.7	379.5	360.8	345.2	332.2	322.0	315.1	313.6
150°	456.2	436.5	418.3	399.3	382.7	364.6	350.3	339.2	328.9	322.7	321.9
152.5°	451.2	433.3	416.4	400.6	384.6	369.0	355.4	345.5	336.5	330.2	330.0
155°	443.6	427.8	414.3	400.9	388.2	374.8	363.8	355.1	347.1	342.4	342.4
157.5°	435.1	422.9	411.7	401.7	390.3	379.5	371.0	363.6	356.6	352.8	352.2
160°	429.4	419.1	410.4	401.7	392.2	382.7	374.8	369.2	363.0	359.8	359.8
162.5°	423.7	415.3	407.9	401.1	392.8	384.6	378.0	373.0	368.0	365.5	365.5
165°	415.9	409.6	404.1	399.3	393.8	387.5	381.9	378.7	374.8	373.2	374.0
167.5°	408.5	403.9	400.3	398.1	393.6	389.0	385.6	383.3	380.3	379.5	380.5
170°	404.1	400.1	397.8	396.2	393.0	389.0	387.5	385.9	383.5	382.7	384.3
172.5°	399.7	397.0	395.9	395.5	393.0	389.7	388.7	387.8	386.0	385.9	386.8
175°	394.6	393.0	393.0	393.8	392.2	390.6	389.8	389.8	388.2	389.0	389.8
177.5°	391.3	390.6	391.3	392.5	391.3	390.6	390.6	390.6	390.0	390.6	391.3
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



TEST NUMBER: P332029-927

CATALOG NUMBER: S123DIP-S1000D1025U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1119.5	1121.7	1129.0	1134.2	1140.3	1143.7	1147.2	1149.8	1153.2	1154.1	1166.6
5°	1124.5	1135.3	1154.1	1168.2	1185.4	1204.3	1217.2	1223.1	1238.8	1251.7	1277.6
7.5°	1123.1	1146.1	1174.6	1204.0	1235.8	1265.1	1290.5	1320.7	1342.2	1374.4	1406.2
10°	1121.8	1152.5	1189.2	1226.9	1271.1	1312.1	1348.8	1389.7	1423.7	1468.5	1506.7
12.5°	1117.9	1155.2	1206.0	1250.6	1304.3	1360.8	1415.2	1467.8	1497.9	1572.4	1607.7
15°	1108.3	1152.5	1216.2	1284.0	1358.0	1424.7	1493.7	1548.8	1637.7	1703.0	1744.5
17.5°	1090.0	1151.9	1227.3	1309.3	1399.1	1487.2	1565.4	1648.8	1743.1	1822.1	1906.1
20°	1081.4	1149.3	1233.4	1324.0	1417.2	1516.9	1605.9	1706.2	1809.1	1886.7	1994.6
22.5°	1065.4	1142.4	1233.0	1333.9	1433.6	1536.8	1640.8	1741.9	1860.9	1967.9	2070.4
25°	1039.3	1125.6	1219.4	1332.1	1449.1	1552.5	1677.0	1811.3	1935.3	2072.7	2175.2
27.5°	1011.9	1104.0	1198.0	1302.8	1428.6	1551.5	1708.1	1859.8	2011.4	2130.1	2205.9
30°	990.8	1080.3	1177.3	1283.0	1407.5	1553.6	1728.8	1894.3	2042.0	2143.9	2186.5
32.5°	968.0	1058.8	1144.5	1255.4	1388.1	1552.3	1741.8	1914.5	2043.8	2111.6	2103.2
35°	932.1	1008.1	1091.6	1198.3	1354.7	1542.9	1749.3	1916.4	1995.7	1981.1	1871.1
37.5°	880.3	944.2	1026.5	1143.4	1315.9	1522.9	1734.2	1859.6	1854.4	1735.9	1576.6
40°	848.0	902.4	981.7	1104.5	1285.7	1510.0	1710.5	1791.9	1722.9	1557.4	1366.5
42.5°	805.7	855.8	935.1	1061.4	1252.5	1483.6	1665.2	1688.8	1553.8	1363.3	1188.4
45°	740.1	784.3	866.3	996.7	1202.7	1426.4	1554.7	1497.0	1315.3	1118.6	985.4
47.5°	669.7	715.7	794.5	928.5	1130.7	1340.2	1401.4	1278.7	1092.2	932.6	810.3
50°	625.3	669.6	746.6	881.9	1081.9	1269.6	1294.8	1136.4	965.0	824.8	724.5
52.5°	580.5	622.1	697.9	833.6	1025.0	1187.6	1172.0	1010.4	852.8	733.3	654.7
55°	513.7	553.1	625.3	752.6	926.7	1055.5	998.9	844.7	714.3	621.5	561.7
57.5°	454.0	491.7	554.1	669.0	820.4	908.9	836.9	706.9	603.2	531.9	487.2
60°	413.4	446.9	506.2	612.9	744.5	811.8	740.7	625.9	538.5	481.4	441.5
62.5°	375.1	404.2	459.1	556.0	670.3	726.9	654.9	557.7	483.3	432.7	398.8
65°	317.0	343.4	391.9	467.4	561.2	598.9	536.9	458.2	400.5	362.8	340.2
67.5°	264.0	286.4	328.3	387.7	456.7	484.2	437.0	376.0	332.6	302.3	284.3
70°	228.5	248.0	280.8	332.1	394.6	415.7	371.5	321.3	289.5	265.2	248.5
72.5°	198.8	213.0	242.9	282.5	334.6	351.3	320.5	276.5	246.8	228.5	215.3
75°	151.5	163.3	182.8	214.5	250.6	260.4	237.2	209.7	189.7	176.8	166.6
77.5°	109.2	118.0	132.0	151.6	176.6	185.4	170.6	152.3	137.8	129.0	123.3
80°	82.5	89.5	101.3	117.5	132.6	137.4	128.8	114.8	104.6	99.7	94.9
82.5°	60.9	64.9	72.0	83.0	93.4	99.1	91.7	83.3	77.9	73.4	71.6
85°	30.7	32.9	36.1	40.4	46.9	49.0	46.3	44.2	41.0	38.3	38.3
87.5°	11.9	12.2	13.9	15.1	17.1	18.9	18.9	18.5	18.6	18.1	17.7
90°	3.2	4.8	7.1	8.7	10.3	12.7	15.1	17.4	19.8	19.0	19.8
92.5°	14.6	21.2	27.3	34.0	45.7	66.4	100.4	133.8	121.6	91.7	66.5
95°	29.2	37.9	51.4	71.9	102.8	170.0	287.8	417.5	468.9	380.3	284.6
97.5°	46.7	53.5	65.1	85.4	118.7	183.0	315.8	532.0	726.7	777.4	709.6
100°	59.3	64.9	75.9	94.9	125.7	181.1	298.1	506.0	748.8	904.6	932.3
102.5°	73.2	78.1	88.6	105.7	134.0	183.6	282.9	468.1	707.7	910.9	1006.3
105°	94.1	98.9	108.4	123.3	147.9	190.6	272.0	421.4	635.7	862.7	1027.9
107.5°	115.3	119.9	129.2	143.3	166.0	203.5	271.2	391.7	572.2	778.2	965.7
110°	130.5	134.4	143.1	156.5	178.7	214.3	274.4	380.3	536.1	725.1	906.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	148.4	157.0	170.5	192.0	225.1	280.7	374.0	512.1	678.9	847.3
115°	165.2	170.0	177.9	191.4	212.7	242.7	291.0	371.6	486.3	623.1	769.4
117.5°	185.8	189.8	197.0	212.1	231.9	261.6	304.6	373.0	471.1	589.4	713.0
120°	198.4	202.4	210.3	225.4	245.1	273.6	314.7	375.6	464.1	571.7	683.2
122.5°	210.5	214.4	223.0	237.4	258.4	286.2	324.2	380.0	459.7	557.1	659.8
125°	227.0	231.7	240.3	255.4	276.8	304.4	339.2	386.7	453.9	538.5	628.7
127.5°	240.8	246.7	255.6	272.2	293.5	320.3	351.6	394.3	451.1	522.0	601.4
130°	249.1	256.2	265.7	282.3	303.6	329.7	359.8	399.3	449.2	513.2	584.4
132.5°	256.0	263.8	275.2	291.8	312.5	337.9	367.4	403.1	448.5	504.9	568.5
135°	267.3	276.0	287.8	304.4	325.7	350.3	377.2	408.8	447.6	494.2	547.2
137.5°	277.9	286.4	299.0	315.5	335.3	358.9	384.4	412.6	445.8	484.9	527.8
140°	285.4	293.3	306.0	321.9	341.6	364.6	388.2	415.1	445.2	479.2	516.3
142.5°	292.4	301.0	312.4	328.1	346.7	369.0	392.1	417.0	443.9	474.1	505.6
145°	303.6	310.8	322.7	336.0	354.3	374.8	396.2	418.3	442.0	467.3	492.7
147.5°	315.1	322.0	332.2	345.2	360.8	379.5	398.7	418.3	439.0	460.7	482.0
150°	322.7	328.9	339.2	350.3	364.6	382.7	399.3	418.3	436.5	456.2	474.4
152.5°	330.2	336.5	345.5	355.4	369.0	384.6	400.6	416.4	433.3	451.2	467.5
155°	342.4	347.1	355.1	363.8	374.8	388.2	400.9	414.3	427.8	443.6	457.0
157.5°	352.8	356.6	363.6	371.0	379.5	390.3	401.7	411.7	422.9	435.1	446.0
160°	359.8	363.0	369.2	374.8	382.7	392.2	401.7	410.4	419.1	429.4	439.7
162.5°	365.5	368.0	373.0	378.0	384.6	392.8	401.1	407.9	415.3	423.7	432.1
165°	373.2	374.8	378.7	381.9	387.5	393.8	399.3	404.1	409.6	415.9	422.2
167.5°	379.5	380.3	383.3	385.6	389.0	393.6	398.1	400.3	403.9	408.5	413.7
170°	382.7	383.5	385.9	387.5	389.0	393.0	396.2	397.8	400.1	404.1	408.1
172.5°	385.9	386.0	387.8	388.7	389.7	393.0	395.5	395.9	397.0	399.7	403.0
175°	389.0	388.2	389.8	389.8	390.6	392.2	393.8	393.0	393.0	394.6	396.2
177.5°	390.6	390.0	390.6	390.6	390.6	391.3	392.5	391.3	390.6	391.3	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1170.8	1171.3	1176.1	1179.5	1177.7	1180.0	1180.7
5°	1279.2	1298.6	1308.8	1316.4	1316.9	1317.5	1321.8
7.5°	1432.8	1453.7	1468.9	1491.9	1498.8	1506.7	1504.4
10°	1545.0	1575.7	1602.1	1616.1	1631.3	1653.4	1635.5
12.5°	1649.8	1704.2	1744.5	1766.2	1780.4	1784.9	1776.2
15°	1822.6	1893.8	1932.1	1930.9	1979.5	2000.5	1967.6
17.5°	1981.1	2046.8	2099.4	2126.3	2166.8	2175.7	2171.6
20°	2078.1	2149.8	2190.8	2237.1	2258.2	2277.0	2280.3
22.5°	2161.8	2226.2	2270.2	2308.7	2326.3	2335.3	2340.7
25°	2247.9	2298.6	2325.1	2338.5	2343.4	2342.2	2335.3
27.5°	2242.0	2245.9	2216.8	2188.2	2162.7	2133.9	2123.9
30°	2183.8	2138.5	2057.6	2011.8	1944.4	1891.1	1912.6
32.5°	2030.7	1940.5	1849.7	1749.6	1666.7	1643.1	1619.4
35°	1733.1	1574.6	1481.9	1374.1	1330.9	1287.9	1258.2
37.5°	1402.2	1279.5	1169.6	1099.1	1055.8	1028.6	1013.9
40°	1212.4	1101.8	1011.3	954.2	921.3	890.6	886.2
42.5°	1061.0	958.2	890.1	844.6	813.0	799.9	790.5
45°	869.0	797.3	751.5	719.1	698.1	690.0	679.2
47.5°	735.5	684.8	650.5	628.4	612.6	606.6	605.7
50°	660.9	618.9	593.5	576.2	563.9	561.7	553.1
52.5°	604.8	568.4	548.7	533.6	524.7	518.6	516.0
55°	525.1	500.8	483.0	474.4	467.4	461.4	461.4
57.5°	459.4	439.1	427.4	420.0	417.9	413.7	411.0
60°	418.8	401.6	392.4	386.0	381.7	382.2	377.3
62.5°	379.2	368.0	359.3	352.8	347.6	347.7	348.0
65°	322.9	314.3	307.8	305.6	302.5	298.7	299.8
67.5°	273.6	265.5	260.5	256.8	255.7	253.7	256.8
70°	238.3	232.3	228.5	225.3	224.3	224.8	227.5
72.5°	205.9	201.7	199.2	197.7	195.4	195.4	197.3
75°	161.7	158.5	156.3	154.7	154.2	154.2	154.2
77.5°	118.8	118.0	117.1	114.7	114.8	115.5	115.6
80°	93.8	92.2	91.7	90.5	89.0	87.9	90.5
82.5°	70.1	68.4	67.9	67.7	65.2	65.0	67.3
85°	37.7	36.1	36.7	36.1	36.1	35.6	35.6
87.5°	17.5	17.2	17.1	17.3	17.1	16.8	17.5
90°	20.6	21.4	22.9	22.1	22.9	23.7	22.9
92.5°	52.8	46.7	42.5	41.1	38.7	39.5	38.1
95°	193.0	151.1	122.6	107.6	100.4	94.9	91.7
97.5°	568.4	466.4	371.8	313.5	277.9	256.5	249.7
100°	868.2	775.7	663.5	583.6	525.9	495.0	495.8
102.5°	1004.2	950.3	879.2	817.0	771.3	745.5	727.3
105°	1107.1	1122.0	1101.5	1065.1	1035.1	1009.8	1005.8
107.5°	1094.1	1163.3	1191.5	1192.2	1182.0	1173.5	1166.2
110°	1051.7	1151.3	1206.7	1228.8	1235.2	1233.6	1232.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	996.0	1107.6	1178.8	1219.3	1238.9	1244.9	1245.2
115°	907.0	1023.2	1109.4	1168.7	1203.5	1219.3	1223.3
117.5°	831.7	936.0	1023.5	1085.4	1125.2	1148.0	1153.3
120°	790.0	884.9	964.7	1027.1	1071.4	1090.4	1095.2
122.5°	756.5	844.4	918.5	974.1	1013.9	1034.7	1040.8
125°	714.9	790.8	854.0	904.6	939.4	959.2	964.7
127.5°	678.3	746.8	804.3	849.4	879.2	897.0	902.1
130°	655.5	719.5	773.3	815.2	843.8	860.3	866.6
132.5°	634.0	693.6	744.9	784.3	812.7	827.4	831.9
135°	603.3	654.7	699.8	738.6	762.2	776.5	782.0
137.5°	573.8	618.1	657.1	689.7	713.8	725.7	729.4
140°	556.7	594.6	628.7	658.7	680.8	693.5	692.7
142.5°	540.3	573.1	602.7	628.4	647.9	659.3	658.5
145°	518.7	544.0	567.0	586.7	603.3	609.7	611.2
147.5°	502.7	523.2	539.5	554.4	565.7	571.7	572.4
150°	492.7	509.2	524.3	536.1	544.8	549.5	549.5
152.5°	483.2	497.9	510.3	519.7	527.8	530.6	530.6
155°	469.7	481.6	491.1	498.2	504.5	506.0	506.8
157.5°	456.5	465.7	473.2	479.3	484.1	485.4	485.2
160°	448.4	456.2	461.8	467.3	472.1	472.1	471.3
162.5°	439.5	446.8	451.7	455.3	459.4	459.4	458.6
165°	427.0	432.5	436.5	439.7	442.8	442.0	442.0
167.5°	417.3	420.5	423.3	424.8	427.0	426.2	426.2
170°	410.4	413.5	415.1	415.9	417.5	416.7	416.7
172.5°	404.7	407.3	408.2	408.4	410.0	408.5	407.9
175°	397.0	398.5	398.5	398.5	399.3	398.5	397.8
177.5°	392.5	393.2	393.2	392.5	393.2	391.9	391.9
180°	390.6	390.6	390.6	390.6	390.6	390.6	390.6

(END OF REPORT)