

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: P331973-940

Luminaire Tested: **S123DIP-S775D805U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331973-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D805U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5772.3 lumens
Efficiency: N/A
Efficacy: 125.8 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

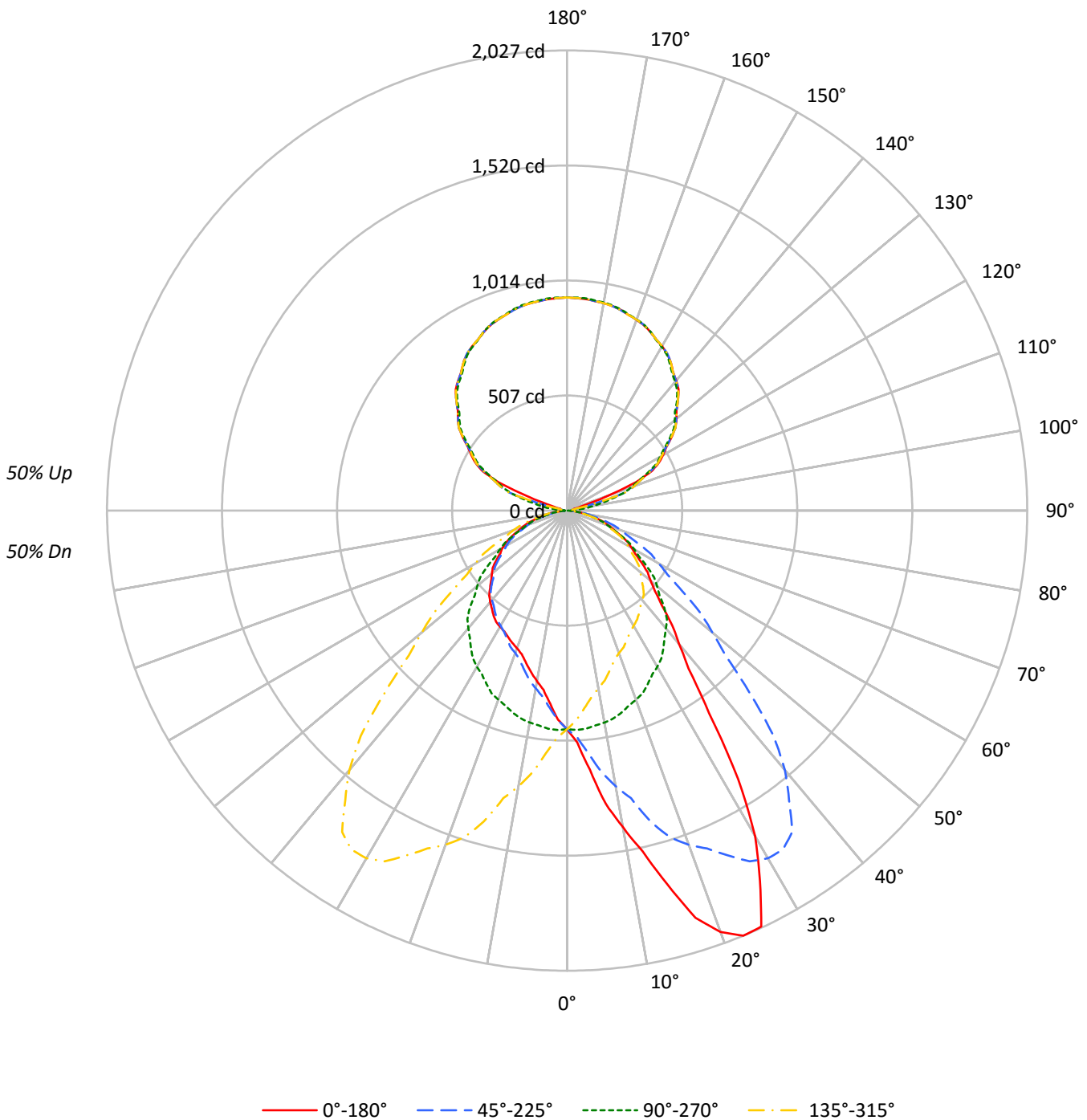
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50																				
1	98	94	90	87	90	87	84	81	74	71	69	62	60	58	50	49	48	43																				
2	90	82	76	71	82	76	71	67	65	61	58	54	52	49	45	43	41	36																				
3	82	73	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31																				
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	30	27																				
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23																				
6	63	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	24	21																				
7	59	47	39	33	54	43	36	31	38	32	28	32	28	24	27	23	21	18																				
8	54	42	35	29	50	40	33	28	34	29	25	29	25	22	25	21	19	16																				
9	51	39	31	26	47	36	29	25	31	26	22	27	23	20	23	19	17	15																				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12369	10416	9231	10416
10°	15481	10364	8337	10364
15°	18988	10280	7762	10280
20°	22620	10149	7391	10149
25°	24018	9991	7308	9991
30°	20586	9875	7346	9875
35°	14318	9711	7423	9711
40°	10784	9517	7399	9517
45°	8954	9232	7305	9232
50°	8020	8646	7239	8646
55°	7499	8015	7148	8015
60°	7035	7356	7076	7356
65°	6612	6706	6849	6706
70°	6200	5964	6521	5964
75°	5552	5224	5976	5224
80°	4866	4283	5151	4283
85°	3816	3112	3458	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	1.6
10°-20°	304.3	5.3
20°-30°	510.8	8.8
30°-40°	578.4	10.0
40°-50°	518.7	9.0
50°-60°	418.6	7.3
60°-70°	291.7	5.1
70°-80°	153.3	2.7
80°-90°	40.1	0.7
90°-100°	34.1	0.6
100°-110°	162.6	2.8
110°-120°	390.6	6.8
120°-130°	497.3	8.6
130°-140°	531.4	9.2
140°-150°	496.9	8.6
150°-160°	400.8	6.9
160°-170°	258.7	4.5
170°-180°	89.2	1.5
0°-30°	910.1	15.8
0°-40°	1488.4	25.8
0°-60°	2425.7	42.0
0°-90°	2910.8	50.4
90°-120°	587.3	10.2
90°-150°	2112.9	36.6
90°-180°	2862.0	49.6
0°-180°	5772.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	964	964	964	964	964	
5°	1145	964	854	964	1145	119
15°	1704	922	696	922	1704	492
25°	2022	841	615	841	2022	887
35°	1090	739	565	739	1090	708
45°	588	606	480	606	588	465
55°	400	427	381	427	400	359
65°	260	263	269	263	260	259
75°	134	126	144	126	134	143
85°	31	25	28	25	31	37
90°	21	1	21	1	21	11
95°	26	42	26	42	26	22
105°	31	208	31	208	31	70
115°	410	390	410	390	410	379
125°	560	549	560	549	560	501
135°	691	684	691	684	691	533
145°	797	789	797	789	797	497
155°	868	869	868	869	868	400
165°	915	917	915	917	915	258
175°	935	938	935	938	935	89
180°	938	938	938	938	938	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1022.5	1021.8	1019.9	1021.5	1018.4	1014.3	1014.0	1010.2	999.3	998.6	995.7
5°	1144.7	1140.9	1140.5	1140.0	1133.5	1124.6	1107.8	1106.3	1084.0	1072.7	1059.3
7.5°	1302.8	1304.8	1298.0	1292.0	1272.0	1258.8	1240.8	1217.7	1190.3	1162.3	1143.7
10°	1416.4	1431.7	1412.6	1399.5	1387.4	1364.5	1337.9	1304.8	1271.7	1232.9	1203.5
12.5°	1538.1	1545.7	1541.9	1529.6	1510.6	1475.9	1428.7	1392.1	1361.6	1297.1	1271.0
15°	1703.9	1732.4	1714.2	1672.1	1673.1	1639.9	1578.3	1510.6	1474.7	1418.2	1341.2
17.5°	1880.5	1884.1	1876.3	1841.4	1818.0	1772.5	1715.6	1650.7	1577.9	1509.5	1427.8
20°	1974.7	1971.8	1955.5	1937.3	1897.2	1861.7	1799.7	1727.2	1633.9	1566.6	1477.5
22.5°	2026.9	2022.3	2014.6	1999.3	1965.9	1927.8	1872.1	1793.0	1704.1	1611.5	1508.5
25°	2022.3	2028.4	2029.3	2025.1	2013.4	1990.6	1946.7	1883.6	1794.9	1675.9	1568.5
27.5°	1839.3	1847.9	1872.9	1895.0	1919.7	1944.9	1941.5	1910.2	1844.6	1741.9	1610.5
30°	1656.3	1637.6	1683.8	1742.2	1781.9	1851.9	1891.1	1893.5	1856.5	1768.4	1640.4
32.5°	1402.3	1422.9	1443.3	1515.1	1601.9	1680.5	1758.5	1821.4	1828.5	1769.9	1658.0
35°	1089.6	1115.3	1152.6	1189.9	1283.4	1363.6	1500.8	1620.3	1715.6	1728.2	1659.6
37.5°	878.0	890.7	914.4	951.7	1012.8	1108.0	1214.2	1365.3	1503.2	1605.9	1610.3
40°	767.5	771.2	797.8	826.3	875.7	954.2	1049.9	1183.4	1348.6	1492.0	1551.8
42.5°	684.6	692.8	704.1	731.4	770.8	829.8	918.8	1029.1	1180.6	1345.6	1462.5
45°	588.2	597.5	604.6	622.8	650.8	690.5	752.5	853.4	968.7	1139.1	1296.4
47.5°	524.5	525.3	530.5	544.2	563.3	593.1	636.9	701.8	807.6	945.7	1107.3
50°	478.9	486.4	488.3	499.0	514.0	535.9	572.3	627.4	714.3	835.6	984.1
52.5°	446.8	449.1	454.3	462.1	475.1	492.2	523.8	566.9	635.1	738.5	875.0
55°	399.6	399.6	404.7	410.8	418.3	433.6	454.7	486.4	538.2	618.6	731.6
57.5°	355.9	358.2	361.9	363.7	370.1	380.3	397.8	422.0	460.6	522.4	612.2
60°	326.8	331.0	330.6	334.2	339.8	347.8	362.7	382.4	416.9	466.4	542.0
62.5°	301.4	301.1	301.0	305.5	311.1	318.7	328.3	345.4	374.7	418.6	483.0
65°	259.6	258.6	261.9	264.7	266.5	272.2	279.6	294.5	314.1	346.9	396.8
67.5°	222.4	219.7	221.5	222.4	225.6	230.0	236.9	246.2	261.8	288.0	325.7
70°	197.0	194.7	194.2	195.1	198.0	201.2	206.3	215.2	229.7	250.7	278.2
72.5°	170.9	169.2	169.2	171.2	172.5	174.7	178.3	186.5	198.0	213.7	239.4
75°	133.5	133.5	133.5	133.9	135.4	137.2	140.1	144.3	153.1	164.3	181.6
77.5°	100.0	100.0	99.4	99.3	101.4	102.3	102.9	106.8	111.7	119.3	131.9
80°	78.5	76.1	77.0	78.5	79.4	79.8	81.2	82.1	86.4	90.6	99.4
82.5°	58.2	56.3	56.4	58.7	58.9	59.3	60.7	62.0	63.6	67.4	72.1
85°	30.9	30.9	31.3	31.3	31.7	31.3	32.6	33.2	33.2	35.5	38.3
87.5°	15.4	14.5	14.9	15.2	14.8	15.1	15.3	15.5	15.8	16.1	16.1
90°	21.0	20.6	20.3	20.0	19.7	19.2	18.5	18.0	17.4	16.8	14.7
92.5°	23.2	22.9	22.7	22.6	22.4	21.8	20.8	19.8	18.8	17.8	16.3
95°	26.5	26.5	26.5	26.5	26.5	25.9	24.9	23.8	22.7	21.6	19.9
97.5°	28.7	28.5	28.4	28.3	28.1	27.4	26.1	25.0	23.7	22.5	33.6
100°	29.2	29.2	29.0	28.8	28.6	28.0	26.8	25.5	24.3	23.0	47.2
102.5°	29.9	29.5	29.2	29.0	28.7	30.5	34.3	38.2	42.0	45.8	72.2
105°	30.7	30.4	30.1	29.8	29.4	43.0	70.4	97.8	125.3	152.7	166.6
107.5°	96.3	117.0	137.7	158.4	179.0	199.4	219.5	239.6	259.8	279.8	277.6
110°	191.7	213.8	236.0	258.2	280.4	294.0	299.1	304.2	309.3	314.4	312.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	329.0	333.6	338.2	343.0	347.6	349.9	349.8	349.7	349.6	349.6	347.9
115°	409.9	409.3	408.7	408.0	407.4	406.4	404.8	403.2	401.7	400.2	398.8
117.5°	455.4	455.2	455.1	455.0	454.9	454.1	453.0	451.7	450.5	449.2	448.5
120°	486.6	486.6	486.6	486.6	486.6	486.0	484.7	483.5	482.2	481.0	480.5
122.5°	517.3	517.2	517.0	516.9	516.7	516.3	515.4	514.5	513.7	512.8	512.2
125°	560.5	560.2	559.9	559.5	559.3	558.9	558.7	558.3	558.0	557.7	557.1
127.5°	602.1	602.4	602.7	603.0	603.2	603.2	602.7	602.2	601.7	601.2	600.5
130°	628.8	629.1	629.5	629.7	630.1	629.9	629.3	628.7	628.0	627.4	626.8
132.5°	653.4	653.8	654.2	654.7	655.1	655.0	654.3	653.7	653.2	652.6	652.0
135°	690.9	691.3	691.8	692.2	692.7	692.7	692.2	691.8	691.3	690.9	690.3
137.5°	726.1	726.5	726.7	727.1	727.4	727.2	726.4	725.7	725.0	724.2	723.8
140°	747.3	747.6	748.0	748.2	748.6	748.4	747.8	747.2	746.5	745.9	745.5
142.5°	766.9	767.3	767.7	768.1	768.6	768.6	768.0	767.6	767.0	766.6	766.1
145°	796.8	796.8	796.8	796.8	796.8	796.7	796.4	796.0	795.8	795.4	795.1
147.5°	819.1	819.8	820.6	821.3	822.0	822.2	821.9	821.5	821.3	820.9	820.6
150°	835.9	836.3	836.8	837.2	837.8	837.8	837.5	837.1	836.9	836.6	836.2
152.5°	849.3	850.0	850.7	851.4	852.1	852.2	851.6	851.0	850.5	850.0	849.8
155°	867.9	868.9	869.8	870.8	871.6	871.7	870.9	870.2	869.4	868.6	868.4
157.5°	883.7	884.9	886.1	887.3	888.5	888.7	887.7	886.8	885.9	884.9	885.1
160°	893.8	894.8	895.9	897.0	898.0	898.1	897.2	896.3	895.4	894.4	894.6
162.5°	903.2	904.2	905.1	906.1	907.0	907.0	906.0	904.9	903.8	902.8	902.9
165°	914.6	915.7	916.8	917.9	919.0	918.9	917.7	916.4	915.2	913.9	914.1
167.5°	922.8	924.1	925.3	926.6	927.8	927.8	926.6	925.3	924.1	922.8	922.8
170°	927.9	929.2	930.3	931.6	932.8	932.8	931.6	930.3	929.2	927.9	927.9
172.5°	930.7	932.0	933.4	934.8	936.1	936.2	935.0	933.7	932.5	931.2	931.1
175°	934.9	936.1	937.4	938.6	939.8	939.9	938.8	937.7	936.7	935.6	935.4
177.5°	936.1	937.4	938.6	939.9	941.1	941.2	940.2	939.2	938.3	937.2	937.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	993.4	990.4	987.4	982.2	977.8	971.3	969.5	967.2	960.6	954.6	950.1
5°	1054.1	1042.9	1026.5	1011.6	999.5	983.1	973.8	964.0	950.0	937.4	927.1
7.5°	1117.6	1095.6	1070.1	1042.7	1017.1	992.5	972.6	954.8	935.2	916.7	902.2
10°	1168.0	1136.2	1100.8	1062.5	1029.8	998.1	971.4	948.2	922.9	901.0	882.8
12.5°	1225.5	1178.5	1129.5	1083.1	1044.4	1000.3	968.1	938.4	909.8	883.4	863.0
15°	1293.6	1233.9	1175.9	1112.0	1053.2	998.1	959.8	922.5	889.3	862.2	836.1
17.5°	1355.6	1287.9	1211.6	1133.8	1062.8	997.6	944.0	901.7	860.2	827.2	801.1
20°	1390.7	1313.7	1227.3	1146.6	1068.1	995.2	936.5	886.0	841.2	806.2	776.8
22.5°	1420.9	1330.8	1241.4	1155.1	1067.7	989.3	922.7	870.8	822.2	787.9	756.6
25°	1452.3	1344.4	1254.8	1153.5	1056.0	974.7	900.0	841.2	792.6	752.5	720.3
27.5°	1479.2	1343.5	1237.2	1128.2	1037.5	956.1	876.3	813.2	761.7	718.1	685.4
30°	1497.1	1345.4	1218.9	1111.1	1019.6	935.5	858.0	794.5	740.4	696.1	665.2
32.5°	1508.3	1344.3	1202.1	1087.2	991.1	916.9	838.2	772.5	716.8	673.2	643.5
35°	1514.8	1336.1	1173.1	1037.8	945.3	873.0	807.2	739.0	680.6	640.0	606.5
37.5°	1501.8	1318.8	1139.5	990.2	888.9	817.7	762.3	704.3	648.5	603.7	574.8
40°	1481.2	1307.6	1113.4	956.5	850.1	781.5	734.3	677.3	622.2	579.8	552.7
42.5°	1442.0	1284.8	1084.6	919.2	809.8	741.1	697.8	650.1	598.0	558.1	531.1
45°	1346.3	1235.2	1041.5	863.2	750.2	679.2	641.0	606.5	559.3	520.5	497.1
47.5°	1213.5	1160.7	979.1	804.1	688.0	619.7	580.0	552.1	517.7	486.4	464.0
50°	1121.3	1099.4	936.9	763.8	646.6	579.8	541.5	516.3	491.6	460.3	439.8
52.5°	1014.9	1028.4	887.6	721.9	604.3	538.7	502.7	482.7	460.2	434.5	416.6
55°	865.0	914.0	802.5	651.7	541.5	478.9	444.9	427.1	414.1	394.9	379.5
57.5°	724.7	787.1	710.4	579.3	479.8	425.9	393.2	373.8	365.4	355.4	343.3
60°	641.4	703.0	644.7	530.7	438.4	387.0	358.0	341.7	333.3	326.3	316.0
62.5°	567.1	629.5	580.4	481.5	397.6	350.0	324.9	308.9	302.3	298.6	289.9
65°	464.9	518.6	486.0	404.7	339.4	297.4	274.5	263.3	257.3	255.8	250.2
67.5°	378.4	419.3	395.5	335.7	284.3	248.0	228.5	219.0	214.4	213.9	209.7
70°	321.6	359.9	341.7	287.6	243.3	214.7	198.0	189.5	186.7	186.3	184.0
72.5°	277.6	304.3	289.8	244.6	210.4	184.5	172.2	163.4	160.2	160.9	159.3
75°	205.4	225.5	217.0	185.8	158.3	141.4	131.2	125.6	122.8	124.2	122.3
77.5°	147.8	160.5	152.9	131.3	114.3	102.1	94.6	91.1	88.6	88.5	87.7
80°	111.6	119.0	114.9	101.7	87.7	77.5	71.4	69.1	67.7	67.2	66.8
82.5°	79.5	85.8	80.9	71.9	62.3	56.2	52.8	49.7	48.7	49.0	48.4
85°	40.1	42.4	40.6	35.0	31.3	28.4	26.6	25.2	24.3	24.7	23.8
87.5°	16.3	16.3	14.8	12.9	11.9	10.4	10.2	9.1	8.6	9.0	8.9
90°	12.7	10.7	8.6	6.9	5.4	3.8	2.2	0.7	2.2	3.8	5.4
92.5°	14.8	13.3	11.8	11.2	11.7	12.1	12.6	12.9	12.6	12.1	11.7
95°	18.2	16.5	14.8	17.1	23.5	29.8	36.2	42.5	36.2	29.8	23.5
97.5°	44.8	55.9	67.1	74.1	77.0	79.8	82.7	85.4	82.7	79.8	77.0
100°	71.3	95.5	119.7	130.2	127.1	124.0	120.9	117.8	120.9	124.0	127.1
102.5°	98.6	125.1	151.5	163.5	161.3	159.1	156.9	154.6	156.9	159.1	161.3
105°	180.6	194.5	208.5	214.5	212.9	211.2	209.5	207.8	209.5	211.2	212.9
107.5°	275.4	273.2	271.0	269.2	267.9	266.5	265.2	263.8	265.2	266.5	267.9
110°	311.0	309.3	307.6	306.1	304.9	303.6	302.4	301.1	302.4	303.6	304.9



TEST NUMBER: P331973-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.2	344.5	342.7	341.3	340.2	339.1	338.0	336.9	338.0	339.1	340.2
115°	397.3	396.0	394.6	393.4	392.5	391.6	390.7	389.7	390.7	391.6	392.5
117.5°	447.8	447.1	446.4	445.4	444.3	443.2	442.0	440.9	442.0	443.2	444.3
120°	480.1	479.7	479.2	478.2	476.8	475.5	474.0	472.7	474.0	475.5	476.8
122.5°	511.7	511.0	510.4	509.6	508.5	507.3	506.1	505.0	506.1	507.3	508.5
125°	556.4	555.9	555.3	554.3	553.0	551.8	550.5	549.4	550.5	551.8	553.0
127.5°	599.8	599.0	598.2	597.3	596.0	594.8	593.5	592.3	593.5	594.8	596.0
130°	626.2	625.5	624.9	624.0	622.8	621.5	620.3	619.0	620.3	621.5	622.8
132.5°	651.5	651.0	650.5	649.7	648.5	647.2	646.0	644.7	646.0	647.2	648.5
135°	689.6	689.0	688.4	687.6	686.7	685.7	684.8	683.9	684.8	685.7	686.7
137.5°	723.5	723.2	722.8	722.0	720.9	719.7	718.5	717.4	718.5	719.7	720.9
140°	745.0	744.6	744.0	743.4	742.4	741.5	740.6	739.7	740.6	741.5	742.4
142.5°	765.6	765.2	764.7	764.0	763.1	762.1	761.3	760.3	761.3	762.1	763.1
145°	794.8	794.5	794.2	793.5	792.4	791.3	790.2	789.2	790.2	791.3	792.4
147.5°	820.3	820.0	819.7	819.2	818.5	817.8	817.1	816.4	817.1	817.8	818.5
150°	836.0	835.6	835.4	834.9	834.5	834.0	833.6	833.0	833.6	834.0	834.5
152.5°	849.5	849.4	849.2	849.0	848.8	848.6	848.4	848.1	848.4	848.6	848.8
155°	868.3	868.2	868.0	868.1	868.4	868.7	869.1	869.3	869.1	868.7	868.4
157.5°	885.3	885.4	885.6	885.6	885.6	885.7	885.7	885.7	885.7	885.7	885.6
160°	894.7	894.9	895.0	895.2	895.4	895.5	895.6	895.8	895.6	895.5	895.4
162.5°	903.1	903.2	903.4	903.7	904.1	904.5	904.9	905.3	904.9	904.5	904.1
165°	914.3	914.4	914.5	914.9	915.3	915.8	916.2	916.8	916.2	915.8	915.3
167.5°	922.8	922.8	922.8	923.2	923.8	924.4	925.1	925.7	925.1	924.4	923.8
170°	927.9	927.9	927.9	928.2	928.8	929.4	930.1	930.7	930.1	929.4	928.8
172.5°	930.9	930.9	930.8	931.0	931.7	932.6	933.3	934.0	933.3	932.6	931.7
175°	935.2	935.0	935.0	935.2	936.0	936.8	937.5	938.3	937.5	936.8	936.0
177.5°	937.0	936.8	936.7	937.0	937.6	938.3	938.9	939.4	938.9	938.3	937.6
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P331973-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	947.4	944.9	941.1	935.5	931.0	923.9	923.9	925.1	925.1	924.7	923.9
5°	918.7	911.7	903.3	893.5	883.2	873.0	871.1	867.4	864.6	862.7	860.3
7.5°	888.4	875.9	863.7	850.0	837.5	827.2	819.9	814.0	810.1	806.0	803.1
10°	867.8	852.4	837.9	823.5	807.6	795.0	787.1	781.5	777.3	773.6	771.7
12.5°	843.6	825.9	809.9	796.2	778.8	765.9	758.3	755.7	750.7	742.9	738.8
15°	808.1	791.8	772.6	751.6	743.2	727.3	718.5	714.3	711.4	705.3	703.5
17.5°	777.8	756.3	734.9	719.2	703.6	690.7	685.7	680.6	676.8	671.8	670.4
20°	753.5	734.3	714.7	697.9	681.5	667.5	663.3	659.6	655.9	653.5	651.7
22.5°	728.8	709.7	693.4	677.7	660.3	651.1	646.6	642.5	639.8	638.3	636.4
25°	694.2	677.3	659.2	645.2	631.2	625.1	622.2	619.9	618.0	615.7	615.3
27.5°	663.2	644.9	630.1	617.1	607.0	601.9	599.2	598.1	598.5	599.3	599.9
30°	640.0	623.2	611.1	599.9	590.6	585.9	585.4	585.4	587.3	587.7	588.7
32.5°	618.8	604.9	592.8	581.9	574.9	571.7	573.5	573.5	575.0	576.1	577.8
35°	587.7	575.6	566.2	557.0	550.9	552.2	553.2	554.1	556.4	559.3	561.2
37.5°	558.1	547.6	537.9	530.6	527.8	530.3	532.5	534.5	537.3	539.4	541.3
40°	536.8	528.9	519.6	513.0	514.0	515.4	517.3	519.6	521.9	523.3	525.2
42.5°	517.0	508.7	501.7	496.2	497.6	499.4	500.4	501.7	504.4	506.8	508.0
45°	486.9	480.4	473.9	470.6	471.5	472.4	473.3	474.7	477.1	478.9	479.5
47.5°	453.0	448.4	444.1	440.9	442.4	442.0	443.2	446.2	446.9	448.1	450.7
50°	431.3	427.1	422.0	421.1	421.1	421.1	421.5	425.3	425.3	427.1	429.0
52.5°	407.4	404.7	401.4	399.8	399.0	399.0	401.0	402.9	403.6	406.3	408.1
55°	372.0	369.3	366.5	365.1	364.1	365.1	368.8	369.7	372.0	373.4	374.9
57.5°	335.2	333.1	330.8	330.0	329.8	331.1	333.1	335.9	336.5	340.8	343.0
60°	310.9	307.6	305.8	305.8	304.9	309.1	308.1	312.8	313.7	316.5	319.8
62.5°	285.9	281.5	280.7	280.7	282.0	283.3	284.5	286.6	289.1	292.6	295.2
65°	245.6	243.3	246.5	246.0	245.0	247.9	247.9	250.2	253.0	256.3	261.4
67.5°	207.3	206.2	206.4	206.4	207.9	209.5	210.7	212.8	216.2	219.6	222.9
70°	181.6	183.0	180.7	182.5	184.0	184.4	185.3	188.2	191.9	194.2	198.0
72.5°	156.6	156.5	156.8	157.5	158.9	159.7	160.7	163.9	168.0	170.0	172.9
75°	120.5	119.9	121.4	121.4	123.7	124.7	125.6	127.0	130.7	133.5	135.8
77.5°	87.9	88.5	88.2	89.8	89.2	89.3	92.2	93.6	94.0	99.5	100.8
80°	66.3	67.2	67.7	68.1	68.7	67.7	71.0	72.3	72.3	75.6	77.9
82.5°	47.6	48.2	49.4	49.8	49.9	50.9	51.2	52.2	53.3	54.8	57.8
85°	23.8	25.2	25.7	25.2	25.7	24.7	26.1	26.6	27.1	27.1	27.1
87.5°	8.8	9.5	9.6	10.3	10.4	11.1	11.3	10.7	10.8	12.0	10.7
90°	6.9	8.6	10.7	12.7	14.7	16.8	17.4	18.0	18.5	19.2	19.7
92.5°	11.2	11.8	13.3	14.8	16.3	17.8	18.8	19.8	20.8	21.8	22.4
95°	17.1	14.8	16.5	18.2	19.9	21.6	22.7	23.8	24.9	25.9	26.5
97.5°	74.1	67.1	55.9	44.8	33.6	22.5	23.7	25.0	26.1	27.4	28.1
100°	130.2	119.7	95.5	71.3	47.2	23.0	24.3	25.5	26.8	28.0	28.6
102.5°	163.5	151.5	125.1	98.6	72.2	45.8	42.0	38.2	34.3	30.5	28.7
105°	214.5	208.5	194.5	180.6	166.6	152.7	125.3	97.8	70.4	43.0	29.4
107.5°	269.2	271.0	273.2	275.4	277.6	279.8	259.8	239.6	219.5	199.4	179.0
110°	306.1	307.6	309.3	311.0	312.7	314.4	309.3	304.2	299.1	294.0	280.4



TEST NUMBER: P331973-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	341.3	342.7	344.5	346.2	347.9	349.6	349.6	349.7	349.8	349.9	347.6
115°	393.4	394.6	396.0	397.3	398.8	400.2	401.7	403.2	404.8	406.4	407.4
117.5°	445.4	446.4	447.1	447.8	448.5	449.2	450.5	451.7	453.0	454.1	454.9
120°	478.2	479.2	479.7	480.1	480.5	481.0	482.2	483.5	484.7	486.0	486.6
122.5°	509.6	510.4	511.0	511.7	512.2	512.8	513.7	514.5	515.4	516.3	516.7
125°	554.3	555.3	555.9	556.4	557.1	557.7	558.0	558.3	558.7	558.9	559.3
127.5°	597.3	598.2	599.0	599.8	600.5	601.2	601.7	602.2	602.7	603.2	603.2
130°	624.0	624.9	625.5	626.2	626.8	627.4	628.0	628.7	629.3	629.9	630.1
132.5°	649.7	650.5	651.0	651.5	652.0	652.6	653.2	653.7	654.3	655.0	655.1
135°	687.6	688.4	689.0	689.6	690.3	690.9	691.3	691.8	692.2	692.7	692.7
137.5°	722.0	722.8	723.2	723.5	723.8	724.2	725.0	725.7	726.4	727.2	727.4
140°	743.4	744.0	744.6	745.0	745.5	745.9	746.5	747.2	747.8	748.4	748.6
142.5°	764.0	764.7	765.2	765.6	766.1	766.6	767.0	767.6	768.0	768.6	768.6
145°	793.5	794.2	794.5	794.8	795.1	795.4	795.8	796.0	796.4	796.7	796.8
147.5°	819.2	819.7	820.0	820.3	820.6	820.9	821.3	821.5	821.9	822.2	822.0
150°	834.9	835.4	835.6	836.0	836.2	836.6	836.9	837.1	837.5	837.8	837.8
152.5°	849.0	849.2	849.4	849.5	849.8	850.0	850.5	851.0	851.6	852.2	852.1
155°	868.1	868.0	868.2	868.3	868.4	868.6	869.4	870.2	870.9	871.7	871.6
157.5°	885.6	885.6	885.4	885.3	885.1	884.9	885.9	886.8	887.7	888.7	888.5
160°	895.2	895.0	894.9	894.7	894.6	894.4	895.4	896.3	897.2	898.1	898.0
162.5°	903.7	903.4	903.2	903.1	902.9	902.8	903.8	904.9	906.0	907.0	907.0
165°	914.9	914.5	914.4	914.3	914.1	913.9	915.2	916.4	917.7	918.9	919.0
167.5°	923.2	922.8	922.8	922.8	922.8	922.8	924.1	925.3	926.6	927.8	927.8
170°	928.2	927.9	927.9	927.9	927.9	927.9	929.2	930.3	931.6	932.8	932.8
172.5°	931.0	930.8	930.9	930.9	931.1	931.2	932.5	933.7	935.0	936.2	936.1
175°	935.2	935.0	935.0	935.2	935.4	935.6	936.7	937.7	938.8	939.9	939.8
177.5°	937.0	936.7	936.8	937.0	937.1	937.2	938.3	939.2	940.2	941.2	941.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P331973-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	921.3	921.0	923.5	921.7	923.5	921.0	921.3	923.9	924.7	925.1	925.1
5°	857.6	859.0	854.3	854.3	854.3	859.0	857.6	860.3	862.7	864.6	867.4
7.5°	800.8	798.7	798.9	796.4	798.9	798.7	800.8	803.1	806.0	810.1	814.0
10°	766.1	763.3	762.3	762.8	762.3	763.3	766.1	771.7	773.6	777.3	781.5
12.5°	737.3	736.7	730.6	730.7	730.6	736.7	737.3	738.8	742.9	750.7	755.7
15°	703.5	694.6	693.7	696.5	693.7	694.6	703.5	703.5	705.3	711.4	714.3
17.5°	669.6	664.9	665.2	663.8	665.2	664.9	669.6	670.4	671.8	676.8	680.6
20°	651.7	648.9	648.5	645.2	648.5	648.9	651.7	651.7	653.5	655.9	659.6
22.5°	635.3	634.4	634.6	631.0	634.6	634.4	635.3	636.4	638.3	639.8	642.5
25°	614.8	617.2	615.3	615.3	615.3	617.2	614.8	615.3	615.7	618.0	619.9
27.5°	601.0	600.9	599.9	599.9	599.9	600.9	601.0	599.9	599.3	598.5	598.1
30°	590.6	590.0	591.0	591.0	591.0	590.0	590.6	588.7	587.7	587.3	585.4
32.5°	580.1	580.8	580.9	581.3	580.9	580.8	580.1	577.8	576.1	575.0	573.5
35°	563.9	564.4	565.8	564.9	565.8	564.4	563.9	561.2	559.3	556.4	554.1
37.5°	542.1	544.2	543.8	544.5	543.8	544.2	542.1	541.3	539.4	537.3	534.5
40°	525.7	527.1	526.6	526.6	526.6	527.1	525.7	525.2	523.3	521.9	519.6
42.5°	508.8	509.9	508.6	507.9	508.6	509.9	508.8	508.0	506.8	504.4	501.7
45°	481.3	480.4	481.8	479.9	481.8	480.4	481.3	479.5	478.9	477.1	474.7
47.5°	450.5	451.4	451.8	453.2	451.8	451.4	450.5	450.7	448.1	446.9	446.2
50°	430.0	432.7	432.7	432.3	432.7	432.7	430.0	429.0	427.1	425.3	425.3
52.5°	409.7	411.1	413.0	412.9	413.0	411.1	409.7	408.1	406.3	403.6	402.9
55°	378.6	379.5	380.5	380.9	380.5	379.5	378.6	374.9	373.4	372.0	369.7
57.5°	346.3	345.9	348.1	348.8	348.1	345.9	346.3	343.0	340.8	336.5	335.9
60°	323.5	323.5	327.3	328.7	327.3	323.5	323.5	319.8	316.5	313.7	312.8
62.5°	299.3	300.8	304.4	302.5	304.4	300.8	299.3	295.2	292.6	289.1	286.6
65°	263.8	267.5	267.1	268.9	267.1	267.5	263.8	261.4	256.3	253.0	250.2
67.5°	226.7	229.0	232.4	232.6	232.4	229.0	226.7	222.9	219.6	216.2	212.8
70°	201.7	204.0	205.9	207.2	205.9	204.0	201.7	198.0	194.2	191.9	188.2
72.5°	177.4	178.6	183.1	181.1	183.1	178.6	177.4	172.9	170.0	168.0	163.9
75°	139.1	142.4	145.2	143.7	145.2	142.4	139.1	135.8	133.5	130.7	127.0
77.5°	102.9	106.1	107.5	106.3	107.5	106.1	102.9	100.8	99.5	94.0	93.6
80°	81.2	80.8	83.6	83.1	83.6	80.8	81.2	77.9	75.6	72.3	72.3
82.5°	59.6	59.1	60.4	60.7	60.4	59.1	59.6	57.8	54.8	53.3	52.2
85°	29.0	30.3	28.4	28.0	28.4	30.3	29.0	27.1	27.1	27.1	26.6
87.5°	10.7	10.8	10.4	10.2	10.4	10.8	10.7	10.7	12.0	10.8	10.7
90°	20.0	20.3	20.6	21.0	20.6	20.3	20.0	19.7	19.2	18.5	18.0
92.5°	22.6	22.7	22.9	23.2	22.9	22.7	22.6	22.4	21.8	20.8	19.8
95°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	25.9	24.9	23.8
97.5°	28.3	28.4	28.5	28.7	28.5	28.4	28.3	28.1	27.4	26.1	25.0
100°	28.8	29.0	29.2	29.2	29.2	29.0	28.8	28.6	28.0	26.8	25.5
102.5°	29.0	29.2	29.5	29.9	29.5	29.2	29.0	28.7	30.5	34.3	38.2
105°	29.8	30.1	30.4	30.7	30.4	30.1	29.8	29.4	43.0	70.4	97.8
107.5°	158.4	137.7	117.0	96.3	117.0	137.7	158.4	179.0	199.4	219.5	239.6
110°	258.2	236.0	213.8	191.7	213.8	236.0	258.2	280.4	294.0	299.1	304.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	343.0	338.2	333.6	329.0	333.6	338.2	343.0	347.6	349.9	349.8	349.7
115°	408.0	408.7	409.3	409.9	409.3	408.7	408.0	407.4	406.4	404.8	403.2
117.5°	455.0	455.1	455.2	455.4	455.2	455.1	455.0	454.9	454.1	453.0	451.7
120°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.0	484.7	483.5
122.5°	516.9	517.0	517.2	517.3	517.2	517.0	516.9	516.7	516.3	515.4	514.5
125°	559.5	559.9	560.2	560.5	560.2	559.9	559.5	559.3	558.9	558.7	558.3
127.5°	603.0	602.7	602.4	602.1	602.4	602.7	603.0	603.2	603.2	602.7	602.2
130°	629.7	629.5	629.1	628.8	629.1	629.5	629.7	630.1	629.9	629.3	628.7
132.5°	654.7	654.2	653.8	653.4	653.8	654.2	654.7	655.1	655.0	654.3	653.7
135°	692.2	691.8	691.3	690.9	691.3	691.8	692.2	692.7	692.7	692.2	691.8
137.5°	727.1	726.7	726.5	726.1	726.5	726.7	727.1	727.4	727.2	726.4	725.7
140°	748.2	748.0	747.6	747.3	747.6	748.0	748.2	748.6	748.4	747.8	747.2
142.5°	768.1	767.7	767.3	766.9	767.3	767.7	768.1	768.6	768.6	768.0	767.6
145°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.7	796.4	796.0
147.5°	821.3	820.6	819.8	819.1	819.8	820.6	821.3	822.0	822.2	821.9	821.5
150°	837.2	836.8	836.3	835.9	836.3	836.8	837.2	837.8	837.8	837.5	837.1
152.5°	851.4	850.7	850.0	849.3	850.0	850.7	851.4	852.1	852.2	851.6	851.0
155°	870.8	869.8	868.9	867.9	868.9	869.8	870.8	871.6	871.7	870.9	870.2
157.5°	887.3	886.1	884.9	883.7	884.9	886.1	887.3	888.5	888.7	887.7	886.8
160°	897.0	895.9	894.8	893.8	894.8	895.9	897.0	898.0	898.1	897.2	896.3
162.5°	906.1	905.1	904.2	903.2	904.2	905.1	906.1	907.0	907.0	906.0	904.9
165°	917.9	916.8	915.7	914.6	915.7	916.8	917.9	919.0	918.9	917.7	916.4
167.5°	926.6	925.3	924.1	922.8	924.1	925.3	926.6	927.8	927.8	926.6	925.3
170°	931.6	930.3	929.2	927.9	929.2	930.3	931.6	932.8	932.8	931.6	930.3
172.5°	934.8	933.4	932.0	930.7	932.0	933.4	934.8	936.1	936.2	935.0	933.7
175°	938.6	937.4	936.1	934.9	936.1	937.4	938.6	939.8	939.9	938.8	937.7
177.5°	939.9	938.6	937.4	936.1	937.4	938.6	939.9	941.1	941.2	940.2	939.2
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P331973-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	923.9	923.9	931.0	935.5	941.1	944.9	947.4	950.1	954.6	960.6	967.2
5°	871.1	873.0	883.2	893.5	903.3	911.7	918.7	927.1	937.4	950.0	964.0
7.5°	819.9	827.2	837.5	850.0	863.7	875.9	888.4	902.2	916.7	935.2	954.8
10°	787.1	795.0	807.6	823.5	837.9	852.4	867.8	882.8	901.0	922.9	948.2
12.5°	758.3	765.9	778.8	796.2	809.9	825.9	843.6	863.0	883.4	909.8	938.4
15°	718.5	727.3	743.2	751.6	772.6	791.8	808.1	836.1	862.2	889.3	922.5
17.5°	685.7	690.7	703.6	719.2	734.9	756.3	777.8	801.1	827.2	860.2	901.7
20°	663.3	667.5	681.5	697.9	714.7	734.3	753.5	776.8	806.2	841.2	886.0
22.5°	646.6	651.1	660.3	677.7	693.4	709.7	728.8	756.6	787.9	822.2	870.8
25°	622.2	625.1	631.2	645.2	659.2	677.3	694.2	720.3	752.5	792.6	841.2
27.5°	599.2	601.9	607.0	617.1	630.1	644.9	663.2	685.4	718.1	761.7	813.2
30°	585.4	585.9	590.6	599.9	611.1	623.2	640.0	665.2	696.1	740.4	794.5
32.5°	573.5	571.7	574.9	581.9	592.8	604.9	618.8	643.5	673.2	716.8	772.5
35°	553.2	552.2	550.9	557.0	566.2	575.6	587.7	606.5	640.0	680.6	739.0
37.5°	532.5	530.3	527.8	530.6	537.9	547.6	558.1	574.8	603.7	648.5	704.3
40°	517.3	515.4	514.0	513.0	519.6	528.9	536.8	552.7	579.8	622.2	677.3
42.5°	500.4	499.4	497.6	496.2	501.7	508.7	517.0	531.1	558.1	598.0	650.1
45°	473.3	472.4	471.5	470.6	473.9	480.4	486.9	497.1	520.5	559.3	606.5
47.5°	443.2	442.0	442.4	440.9	444.1	448.4	453.0	464.0	486.4	517.7	552.1
50°	421.5	421.1	421.1	421.1	422.0	427.1	431.3	439.8	460.3	491.6	516.3
52.5°	401.0	399.0	399.0	399.8	401.4	404.7	407.4	416.6	434.5	460.2	482.7
55°	368.8	365.1	364.1	365.1	366.5	369.3	372.0	379.5	394.9	414.1	427.1
57.5°	333.1	331.1	329.8	330.0	330.8	333.1	335.2	343.3	355.4	365.4	373.8
60°	308.1	309.1	304.9	305.8	305.8	307.6	310.9	316.0	326.3	333.3	341.7
62.5°	284.5	283.3	282.0	280.7	280.7	281.5	285.9	289.9	298.6	302.3	308.9
65°	247.9	247.9	245.0	246.0	246.5	243.3	245.6	250.2	255.8	257.3	263.3
67.5°	210.7	209.5	207.9	206.4	206.4	206.2	207.3	209.7	213.9	214.4	219.0
70°	185.3	184.4	184.0	182.5	180.7	183.0	181.6	184.0	186.3	186.7	189.5
72.5°	160.7	159.7	158.9	157.5	156.8	156.5	156.6	159.3	160.9	160.2	163.4
75°	125.6	124.7	123.7	121.4	121.4	119.9	120.5	122.3	124.2	122.8	125.6
77.5°	92.2	89.3	89.2	89.8	88.2	88.5	87.9	87.7	88.5	88.6	91.1
80°	71.0	67.7	68.7	68.1	67.7	67.2	66.3	66.8	67.2	67.7	69.1
82.5°	51.2	50.9	49.9	49.8	49.4	48.2	47.6	48.4	49.0	48.7	49.7
85°	26.1	24.7	25.7	25.2	25.7	25.2	23.8	23.8	24.7	24.3	25.2
87.5°	11.3	11.1	10.4	10.3	9.6	9.5	8.8	8.9	9.0	8.6	9.1
90°	17.4	16.8	14.7	12.7	10.7	8.6	6.9	5.4	3.8	2.2	0.7
92.5°	18.8	17.8	16.3	14.8	13.3	11.8	11.2	11.7	12.1	12.6	12.9
95°	22.7	21.6	19.9	18.2	16.5	14.8	17.1	23.5	29.8	36.2	42.5
97.5°	23.7	22.5	33.6	44.8	55.9	67.1	74.1	77.0	79.8	82.7	85.4
100°	24.3	23.0	47.2	71.3	95.5	119.7	130.2	127.1	124.0	120.9	117.8
102.5°	42.0	45.8	72.2	98.6	125.1	151.5	163.5	161.3	159.1	156.9	154.6
105°	125.3	152.7	166.6	180.6	194.5	208.5	214.5	212.9	211.2	209.5	207.8
107.5°	259.8	279.8	277.6	275.4	273.2	271.0	269.2	267.9	266.5	265.2	263.8
110°	309.3	314.4	312.7	311.0	309.3	307.6	306.1	304.9	303.6	302.4	301.1



TEST NUMBER: P331973-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	349.6	349.6	347.9	346.2	344.5	342.7	341.3	340.2	339.1	338.0	336.9
115°	401.7	400.2	398.8	397.3	396.0	394.6	393.4	392.5	391.6	390.7	389.7
117.5°	450.5	449.2	448.5	447.8	447.1	446.4	445.4	444.3	443.2	442.0	440.9
120°	482.2	481.0	480.5	480.1	479.7	479.2	478.2	476.8	475.5	474.0	472.7
122.5°	513.7	512.8	512.2	511.7	511.0	510.4	509.6	508.5	507.3	506.1	505.0
125°	558.0	557.7	557.1	556.4	555.9	555.3	554.3	553.0	551.8	550.5	549.4
127.5°	601.7	601.2	600.5	599.8	599.0	598.2	597.3	596.0	594.8	593.5	592.3
130°	628.0	627.4	626.8	626.2	625.5	624.9	624.0	622.8	621.5	620.3	619.0
132.5°	653.2	652.6	652.0	651.5	651.0	650.5	649.7	648.5	647.2	646.0	644.7
135°	691.3	690.9	690.3	689.6	689.0	688.4	687.6	686.7	685.7	684.8	683.9
137.5°	725.0	724.2	723.8	723.5	723.2	722.8	722.0	720.9	719.7	718.5	717.4
140°	746.5	745.9	745.5	745.0	744.6	744.0	743.4	742.4	741.5	740.6	739.7
142.5°	767.0	766.6	766.1	765.6	765.2	764.7	764.0	763.1	762.1	761.3	760.3
145°	795.8	795.4	795.1	794.8	794.5	794.2	793.5	792.4	791.3	790.2	789.2
147.5°	821.3	820.9	820.6	820.3	820.0	819.7	819.2	818.5	817.8	817.1	816.4
150°	836.9	836.6	836.2	836.0	835.6	835.4	834.9	834.5	834.0	833.6	833.0
152.5°	850.5	850.0	849.8	849.5	849.4	849.2	849.0	848.8	848.6	848.4	848.1
155°	869.4	868.6	868.4	868.3	868.2	868.0	868.1	868.4	868.7	869.1	869.3
157.5°	885.9	884.9	885.1	885.3	885.4	885.6	885.6	885.6	885.7	885.7	885.7
160°	895.4	894.4	894.6	894.7	894.9	895.0	895.2	895.4	895.5	895.6	895.8
162.5°	903.8	902.8	902.9	903.1	903.2	903.4	903.7	904.1	904.5	904.9	905.3
165°	915.2	913.9	914.1	914.3	914.4	914.5	914.9	915.3	915.8	916.2	916.8
167.5°	924.1	922.8	922.8	922.8	922.8	922.8	923.2	923.8	924.4	925.1	925.7
170°	929.2	927.9	927.9	927.9	927.9	927.9	928.2	928.8	929.4	930.1	930.7
172.5°	932.5	931.2	931.1	930.9	930.9	930.8	931.0	931.7	932.6	933.3	934.0
175°	936.7	935.6	935.4	935.2	935.0	935.0	935.2	936.0	936.8	937.5	938.3
177.5°	938.3	937.2	937.1	937.0	936.8	936.7	937.0	937.6	938.3	938.9	939.4
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P331973-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	969.5	971.3	977.8	982.2	987.4	990.4	993.4	995.7	998.6	999.3	1010.2
5°	973.8	983.1	999.5	1011.6	1026.5	1042.9	1054.1	1059.3	1072.7	1084.0	1106.3
7.5°	972.6	992.5	1017.1	1042.7	1070.1	1095.6	1117.6	1143.7	1162.3	1190.3	1217.7
10°	971.4	998.1	1029.8	1062.5	1100.8	1136.2	1168.0	1203.5	1232.9	1271.7	1304.8
12.5°	968.1	1000.3	1044.4	1083.1	1129.5	1178.5	1225.5	1271.0	1297.1	1361.6	1392.1
15°	959.8	998.1	1053.2	1112.0	1175.9	1233.9	1293.6	1341.2	1418.2	1474.7	1510.6
17.5°	944.0	997.6	1062.8	1133.8	1211.6	1287.9	1355.6	1427.8	1509.5	1577.9	1650.7
20°	936.5	995.2	1068.1	1146.6	1227.3	1313.7	1390.7	1477.5	1566.6	1633.9	1727.2
22.5°	922.7	989.3	1067.7	1155.1	1241.4	1330.8	1420.9	1508.5	1611.5	1704.1	1793.0
25°	900.0	974.7	1056.0	1153.5	1254.8	1344.4	1452.3	1568.5	1675.9	1794.9	1883.6
27.5°	876.3	956.1	1037.5	1128.2	1237.2	1343.5	1479.2	1610.5	1741.9	1844.6	1910.2
30°	858.0	935.5	1019.6	1111.1	1218.9	1345.4	1497.1	1640.4	1768.4	1856.5	1893.5
32.5°	838.2	916.9	991.1	1087.2	1202.1	1344.3	1508.3	1658.0	1769.9	1828.5	1821.4
35°	807.2	873.0	945.3	1037.8	1173.1	1336.1	1514.8	1659.6	1728.2	1715.6	1620.3
37.5°	762.3	817.7	888.9	990.2	1139.5	1318.8	1501.8	1610.3	1605.9	1503.2	1365.3
40°	734.3	781.5	850.1	956.5	1113.4	1307.6	1481.2	1551.8	1492.0	1348.6	1183.4
42.5°	697.8	741.1	809.8	919.2	1084.6	1284.8	1442.0	1462.5	1345.6	1180.6	1029.1
45°	641.0	679.2	750.2	863.2	1041.5	1235.2	1346.3	1296.4	1139.1	968.7	853.4
47.5°	580.0	619.7	688.0	804.1	979.1	1160.7	1213.5	1107.3	945.7	807.6	701.8
50°	541.5	579.8	646.6	763.8	936.9	1099.4	1121.3	984.1	835.6	714.3	627.4
52.5°	502.7	538.7	604.3	721.9	887.6	1028.4	1014.9	875.0	738.5	635.1	566.9
55°	444.9	478.9	541.5	651.7	802.5	914.0	865.0	731.6	618.6	538.2	486.4
57.5°	393.2	425.9	479.8	579.3	710.4	787.1	724.7	612.2	522.4	460.6	422.0
60°	358.0	387.0	438.4	530.7	644.7	703.0	641.4	542.0	466.4	416.9	382.4
62.5°	324.9	350.0	397.6	481.5	580.4	629.5	567.1	483.0	418.6	374.7	345.4
65°	274.5	297.4	339.4	404.7	486.0	518.6	464.9	396.8	346.9	314.1	294.5
67.5°	228.5	248.0	284.3	335.7	395.5	419.3	378.4	325.7	288.0	261.8	246.2
70°	198.0	214.7	243.3	287.6	341.7	359.9	321.6	278.2	250.7	229.7	215.2
72.5°	172.2	184.5	210.4	244.6	289.8	304.3	277.6	239.4	213.7	198.0	186.5
75°	131.2	141.4	158.3	185.8	217.0	225.5	205.4	181.6	164.3	153.1	144.3
77.5°	94.6	102.1	114.3	131.3	152.9	160.5	147.8	131.9	119.3	111.7	106.8
80°	71.4	77.5	87.7	101.7	114.9	119.0	111.6	99.4	90.6	86.4	82.1
82.5°	52.8	56.2	62.3	71.9	80.9	85.8	79.5	72.1	67.4	63.6	62.0
85°	26.6	28.4	31.3	35.0	40.6	42.4	40.1	38.3	35.5	33.2	33.2
87.5°	10.2	10.4	11.9	12.9	14.8	16.3	16.3	16.1	16.1	15.8	15.5
90°	2.2	3.8	5.4	6.9	8.6	10.7	12.7	14.7	16.8	17.4	18.0
92.5°	12.6	12.1	11.7	11.2	11.8	13.3	14.8	16.3	17.8	18.8	19.8
95°	36.2	29.8	23.5	17.1	14.8	16.5	18.2	19.9	21.6	22.7	23.8
97.5°	82.7	79.8	77.0	74.1	67.1	55.9	44.8	33.6	22.5	23.7	25.0
100°	120.9	124.0	127.1	130.2	119.7	95.5	71.3	47.2	23.0	24.3	25.5
102.5°	156.9	159.1	161.3	163.5	151.5	125.1	98.6	72.2	45.8	42.0	38.2
105°	209.5	211.2	212.9	214.5	208.5	194.5	180.6	166.6	152.7	125.3	97.8
107.5°	265.2	266.5	267.9	269.2	271.0	273.2	275.4	277.6	279.8	259.8	239.6
110°	302.4	303.6	304.9	306.1	307.6	309.3	311.0	312.7	314.4	309.3	304.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	338.0	339.1	340.2	341.3	342.7	344.5	346.2	347.9	349.6	349.6	349.7
115°	390.7	391.6	392.5	393.4	394.6	396.0	397.3	398.8	400.2	401.7	403.2
117.5°	442.0	443.2	444.3	445.4	446.4	447.1	447.8	448.5	449.2	450.5	451.7
120°	474.0	475.5	476.8	478.2	479.2	479.7	480.1	480.5	481.0	482.2	483.5
122.5°	506.1	507.3	508.5	509.6	510.4	511.0	511.7	512.2	512.8	513.7	514.5
125°	550.5	551.8	553.0	554.3	555.3	555.9	556.4	557.1	557.7	558.0	558.3
127.5°	593.5	594.8	596.0	597.3	598.2	599.0	599.8	600.5	601.2	601.7	602.2
130°	620.3	621.5	622.8	624.0	624.9	625.5	626.2	626.8	627.4	628.0	628.7
132.5°	646.0	647.2	648.5	649.7	650.5	651.0	651.5	652.0	652.6	653.2	653.7
135°	684.8	685.7	686.7	687.6	688.4	689.0	689.6	690.3	690.9	691.3	691.8
137.5°	718.5	719.7	720.9	722.0	722.8	723.2	723.5	723.8	724.2	725.0	725.7
140°	740.6	741.5	742.4	743.4	744.0	744.6	745.0	745.5	745.9	746.5	747.2
142.5°	761.3	762.1	763.1	764.0	764.7	765.2	765.6	766.1	766.6	767.0	767.6
145°	790.2	791.3	792.4	793.5	794.2	794.5	794.8	795.1	795.4	795.8	796.0
147.5°	817.1	817.8	818.5	819.2	819.7	820.0	820.3	820.6	820.9	821.3	821.5
150°	833.6	834.0	834.5	834.9	835.4	835.6	836.0	836.2	836.6	836.9	837.1
152.5°	848.4	848.6	848.8	849.0	849.2	849.4	849.5	849.8	850.0	850.5	851.0
155°	869.1	868.7	868.4	868.1	868.0	868.2	868.3	868.4	868.6	869.4	870.2
157.5°	885.7	885.7	885.6	885.6	885.6	885.4	885.3	885.1	884.9	885.9	886.8
160°	895.6	895.5	895.4	895.2	895.0	894.9	894.7	894.6	894.4	895.4	896.3
162.5°	904.9	904.5	904.1	903.7	903.4	903.2	903.1	902.9	902.8	903.8	904.9
165°	916.2	915.8	915.3	914.9	914.5	914.4	914.3	914.1	913.9	915.2	916.4
167.5°	925.1	924.4	923.8	923.2	922.8	922.8	922.8	922.8	922.8	924.1	925.3
170°	930.1	929.4	928.8	928.2	927.9	927.9	927.9	927.9	927.9	929.2	930.3
172.5°	933.3	932.6	931.7	931.0	930.8	930.9	930.9	931.1	931.2	932.5	933.7
175°	937.5	936.8	936.0	935.2	935.0	935.0	935.2	935.4	935.6	936.7	937.7
177.5°	938.9	938.3	937.6	937.0	936.7	936.8	937.0	937.1	937.2	938.3	939.2
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1014.0	1014.3	1018.4	1021.5	1019.9	1021.8	1022.5
5°	1107.8	1124.6	1133.5	1140.0	1140.5	1140.9	1144.7
7.5°	1240.8	1258.8	1272.0	1292.0	1298.0	1304.8	1302.8
10°	1337.9	1364.5	1387.4	1399.5	1412.6	1431.7	1416.4
12.5°	1428.7	1475.9	1510.6	1529.6	1541.9	1545.7	1538.1
15°	1578.3	1639.9	1673.1	1672.1	1714.2	1732.4	1703.9
17.5°	1715.6	1772.5	1818.0	1841.4	1876.3	1884.1	1880.5
20°	1799.7	1861.7	1897.2	1937.3	1955.5	1971.8	1974.7
22.5°	1872.1	1927.8	1965.9	1999.3	2014.6	2022.3	2026.9
25°	1946.7	1990.6	2013.4	2025.1	2029.3	2028.4	2022.3
27.5°	1941.5	1944.9	1919.7	1895.0	1872.9	1847.9	1839.3
30°	1891.1	1851.9	1781.9	1742.2	1683.8	1637.6	1656.3
32.5°	1758.5	1680.5	1601.9	1515.1	1443.3	1422.9	1402.3
35°	1500.8	1363.6	1283.4	1189.9	1152.6	1115.3	1089.6
37.5°	1214.2	1108.0	1012.8	951.7	914.4	890.7	878.0
40°	1049.9	954.2	875.7	826.3	797.8	771.2	767.5
42.5°	918.8	829.8	770.8	731.4	704.1	692.8	684.6
45°	752.5	690.5	650.8	622.8	604.6	597.5	588.2
47.5°	636.9	593.1	563.3	544.2	530.5	525.3	524.5
50°	572.3	535.9	514.0	499.0	488.3	486.4	478.9
52.5°	523.8	492.2	475.1	462.1	454.3	449.1	446.8
55°	454.7	433.6	418.3	410.8	404.7	399.6	399.6
57.5°	397.8	380.3	370.1	363.7	361.9	358.2	355.9
60°	362.7	347.8	339.8	334.2	330.6	331.0	326.8
62.5°	328.3	318.7	311.1	305.5	301.0	301.1	301.4
65°	279.6	272.2	266.5	264.7	261.9	258.6	259.6
67.5°	236.9	230.0	225.6	222.4	221.5	219.7	222.4
70°	206.3	201.2	198.0	195.1	194.2	194.7	197.0
72.5°	178.3	174.7	172.5	171.2	169.2	169.2	170.9
75°	140.1	137.2	135.4	133.9	133.5	133.5	133.5
77.5°	102.9	102.3	101.4	99.3	99.4	100.0	100.0
80°	81.2	79.8	79.4	78.5	77.0	76.1	78.5
82.5°	60.7	59.3	58.9	58.7	56.4	56.3	58.2
85°	32.6	31.3	31.7	31.3	31.3	30.9	30.9
87.5°	15.3	15.1	14.8	15.2	14.9	14.5	15.4
90°	18.5	19.2	19.7	20.0	20.3	20.6	21.0
92.5°	20.8	21.8	22.4	22.6	22.7	22.9	23.2
95°	24.9	25.9	26.5	26.5	26.5	26.5	26.5
97.5°	26.1	27.4	28.1	28.3	28.4	28.5	28.7
100°	26.8	28.0	28.6	28.8	29.0	29.2	29.2
102.5°	34.3	30.5	28.7	29.0	29.2	29.5	29.9
105°	70.4	43.0	29.4	29.8	30.1	30.4	30.7
107.5°	219.5	199.4	179.0	158.4	137.7	117.0	96.3
110°	299.1	294.0	280.4	258.2	236.0	213.8	191.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	349.8	349.9	347.6	343.0	338.2	333.6	329.0
115°	404.8	406.4	407.4	408.0	408.7	409.3	409.9
117.5°	453.0	454.1	454.9	455.0	455.1	455.2	455.4
120°	484.7	486.0	486.6	486.6	486.6	486.6	486.6
122.5°	515.4	516.3	516.7	516.9	517.0	517.2	517.3
125°	558.7	558.9	559.3	559.5	559.9	560.2	560.5
127.5°	602.7	603.2	603.2	603.0	602.7	602.4	602.1
130°	629.3	629.9	630.1	629.7	629.5	629.1	628.8
132.5°	654.3	655.0	655.1	654.7	654.2	653.8	653.4
135°	692.2	692.7	692.7	692.2	691.8	691.3	690.9
137.5°	726.4	727.2	727.4	727.1	726.7	726.5	726.1
140°	747.8	748.4	748.6	748.2	748.0	747.6	747.3
142.5°	768.0	768.6	768.6	768.1	767.7	767.3	766.9
145°	796.4	796.7	796.8	796.8	796.8	796.8	796.8
147.5°	821.9	822.2	822.0	821.3	820.6	819.8	819.1
150°	837.5	837.8	837.8	837.2	836.8	836.3	835.9
152.5°	851.6	852.2	852.1	851.4	850.7	850.0	849.3
155°	870.9	871.7	871.6	870.8	869.8	868.9	867.9
157.5°	887.7	888.7	888.5	887.3	886.1	884.9	883.7
160°	897.2	898.1	898.0	897.0	895.9	894.8	893.8
162.5°	906.0	907.0	907.0	906.1	905.1	904.2	903.2
165°	917.7	918.9	919.0	917.9	916.8	915.7	914.6
167.5°	926.6	927.8	927.8	926.6	925.3	924.1	922.8
170°	931.6	932.8	932.8	931.6	930.3	929.2	927.9
172.5°	935.0	936.2	936.1	934.8	933.4	932.0	930.7
175°	938.8	939.9	939.8	938.6	937.4	936.1	934.9
177.5°	940.2	941.2	941.1	939.9	938.6	937.4	936.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3

(END OF REPORT)