

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: P331973-830

Luminaire Tested: **S123DIP-S775D805U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331973-830
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-S775D805U830-4F0-1E-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: 6101.3 lumens
Efficiency: N/A
Efficacy: 132.9 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

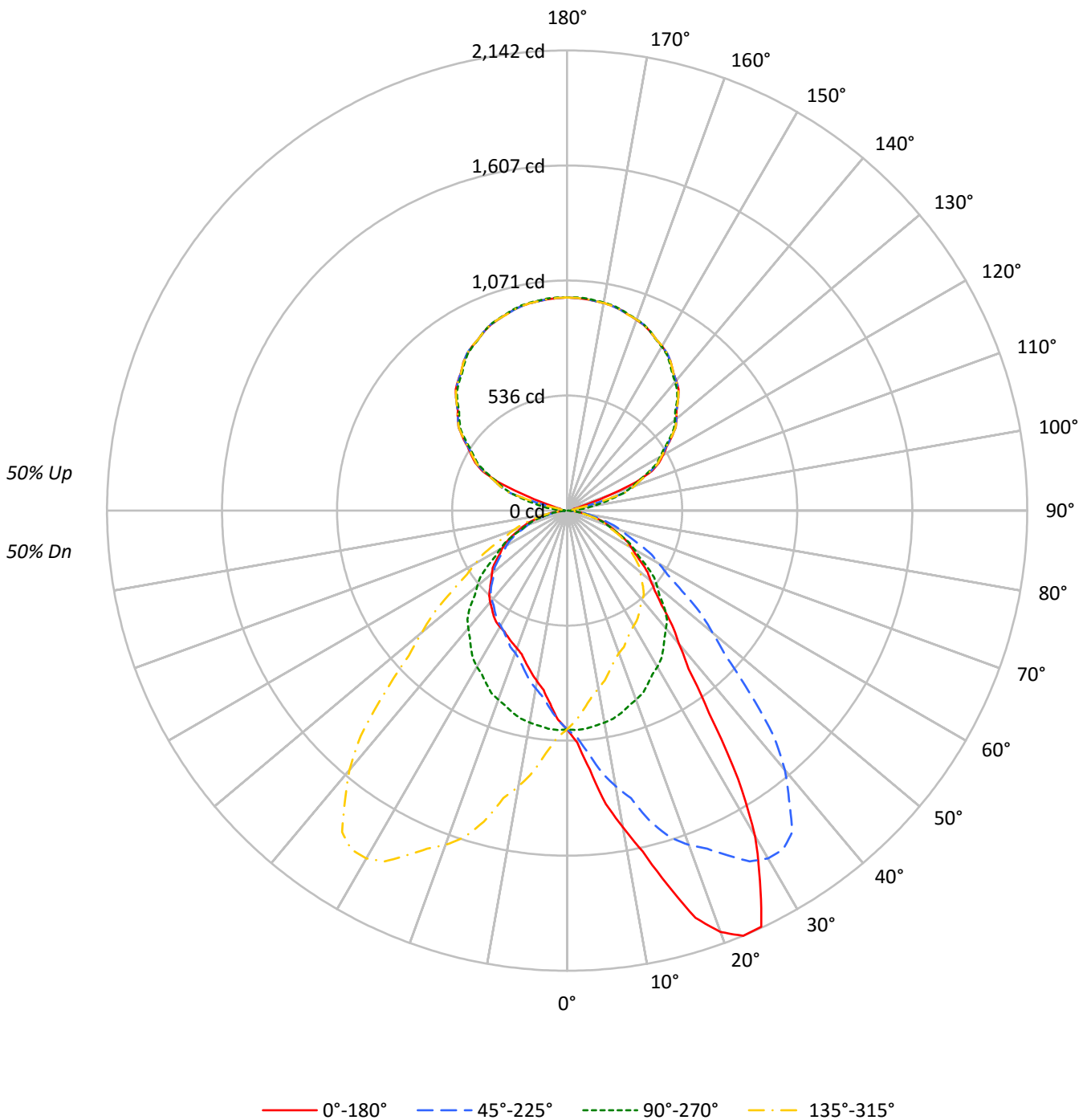
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10962	10962	10962	10962
5°	13073	11010	9757	11010
10°	16363	10954	8813	10954
15°	20070	10866	8204	10866
20°	23909	10727	7811	10727
25°	25388	10561	7725	10561
30°	21760	10438	7764	10438
35°	15134	10264	7846	10264
40°	11398	10061	7821	10061
45°	9464	9758	7722	9758
50°	8477	9138	7651	9138
55°	7927	8473	7557	8473
60°	7436	7776	7479	7776
65°	6989	7088	7238	7088
70°	6552	6304	6892	6304
75°	5868	5519	6317	5519
80°	5139	4525	5442	4525
85°	4026	3298	3656	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.6
10°-20°	321.7	5.3
20°-30°	539.9	8.8
30°-40°	611.3	10.0
40°-50°	548.2	9.0
50°-60°	442.4	7.3
60°-70°	308.3	5.1
70°-80°	162.0	2.7
80°-90°	42.4	0.7
90°-100°	36.1	0.6
100°-110°	171.9	2.8
110°-120°	412.8	6.8
120°-130°	525.7	8.6
130°-140°	561.7	9.2
140°-150°	525.2	8.6
150°-160°	423.7	6.9
160°-170°	273.4	4.5
170°-180°	94.2	1.5
0°-30°	961.9	15.8
0°-40°	1573.3	25.8
0°-60°	2563.9	42.0
0°-90°	3076.7	50.4
90°-120°	620.7	10.2
90°-150°	2233.3	36.6
90°-180°	3025.0	49.6
0°-180°	6101.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1018	1018	1018	1018	1018	
5°	1210	1019	903	1019	1210	125
15°	1801	975	736	975	1801	520
25°	2138	889	650	889	2138	937
35°	1152	781	597	781	1152	748
45°	622	641	507	641	622	492
55°	422	452	403	452	422	379
65°	274	278	284	278	274	273
75°	141	133	152	133	141	151
85°	33	27	30	27	33	39
90°	22	1	22	1	22	12
95°	28	45	28	45	28	23
105°	32	220	32	220	32	74
115°	433	412	433	412	433	400
125°	592	581	592	581	592	529
135°	730	723	730	723	730	563
145°	842	834	842	834	842	526
155°	917	919	917	919	917	423
165°	967	969	967	969	967	273
175°	988	992	988	992	988	94
180°	992	992	992	992	992	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	1080.8	1080.1	1078.1	1079.7	1076.5	1072.1	1071.8	1067.8	1056.3	1055.6	1052.4
5°	1209.9	1206.0	1205.5	1204.9	1198.1	1188.7	1170.9	1169.4	1145.8	1133.9	1119.6
7.5°	1377.1	1379.1	1372.0	1365.6	1344.5	1330.6	1311.5	1287.1	1258.1	1228.6	1208.9
10°	1497.1	1513.3	1493.2	1479.3	1466.5	1442.3	1414.2	1379.1	1344.2	1303.2	1272.1
12.5°	1625.8	1633.8	1629.8	1616.7	1596.8	1560.0	1510.1	1471.5	1439.3	1371.0	1343.5
15°	1801.0	1831.2	1811.9	1767.5	1768.5	1733.4	1668.3	1596.8	1558.8	1499.0	1417.7
17.5°	1987.7	1991.5	1983.3	1946.4	1921.7	1873.5	1813.4	1744.8	1667.8	1595.5	1509.2
20°	2087.3	2084.2	2067.0	2047.8	2005.4	1967.8	1902.2	1825.7	1727.0	1656.0	1561.7
22.5°	2142.5	2137.6	2129.4	2113.3	2077.9	2037.7	1978.8	1895.2	1801.3	1703.4	1594.5
25°	2137.6	2144.0	2144.9	2140.5	2128.2	2104.0	2057.7	1991.0	1897.2	1771.4	1657.9
27.5°	1944.2	1953.2	1979.6	2003.0	2029.1	2055.8	2052.2	2019.1	1949.7	1841.2	1702.3
30°	1750.7	1731.0	1779.8	1841.5	1883.5	1957.5	1998.9	2001.4	1962.4	1869.2	1733.9
32.5°	1482.2	1504.0	1525.6	1601.5	1693.2	1776.3	1858.8	1925.2	1932.8	1870.8	1752.5
35°	1151.7	1178.8	1218.3	1257.7	1356.5	1441.3	1586.4	1712.7	1813.4	1826.7	1754.2
37.5°	928.0	941.5	966.5	1006.0	1070.5	1171.2	1283.5	1443.1	1588.9	1697.4	1702.1
40°	811.2	815.2	843.3	873.4	925.7	1008.6	1109.7	1250.8	1425.5	1577.1	1640.2
42.5°	723.6	732.3	744.2	773.1	814.7	877.1	971.2	1087.8	1247.9	1422.3	1545.9
45°	621.7	631.6	639.0	658.3	687.9	729.8	795.4	902.0	1023.9	1204.0	1370.3
47.5°	554.4	555.3	560.7	575.2	595.4	626.9	673.3	741.8	853.7	999.7	1170.4
50°	506.2	514.2	516.1	527.4	543.3	566.5	604.9	663.2	755.0	883.3	1040.2
52.5°	472.3	474.7	480.2	488.4	502.2	520.3	553.6	599.3	671.3	780.6	924.9
55°	422.4	422.4	427.8	434.2	442.1	458.4	480.6	514.2	568.9	653.8	773.3
57.5°	376.2	378.6	382.5	384.5	391.2	402.0	420.5	446.0	486.8	552.1	647.1
60°	345.4	349.9	349.4	353.3	359.2	367.6	383.4	404.2	440.6	492.9	572.9
62.5°	318.6	318.3	318.2	322.9	328.9	336.9	347.0	365.0	396.1	442.4	510.5
65°	274.4	273.3	276.8	279.7	281.7	287.7	295.6	311.3	332.1	366.6	419.4
67.5°	235.1	232.2	234.1	235.1	238.5	243.1	250.4	260.2	276.7	304.4	344.2
70°	208.2	205.8	205.3	206.2	209.2	212.6	218.1	227.4	242.8	264.9	294.1
72.5°	180.6	178.9	178.8	181.0	182.4	184.6	188.5	197.1	209.2	225.9	253.1
75°	141.1	141.1	141.1	141.6	143.1	145.1	148.1	152.5	161.8	173.7	191.9
77.5°	105.8	105.7	105.1	105.0	107.2	108.1	108.8	112.9	118.1	126.1	139.4
80°	82.9	80.4	81.4	82.9	83.9	84.4	85.9	86.8	91.3	95.8	105.1
82.5°	61.5	59.5	59.7	62.0	62.2	62.7	64.2	65.5	67.2	71.3	76.3
85°	32.6	32.6	33.1	33.1	33.6	33.1	34.5	35.1	35.1	37.5	40.4
87.5°	16.3	15.4	15.7	16.0	15.6	15.9	16.2	16.4	16.7	17.0	17.0
90°	22.1	21.8	21.5	21.1	20.8	20.3	19.6	19.0	18.4	17.7	15.6
92.5°	24.5	24.2	24.0	23.8	23.7	23.1	22.0	20.9	19.9	18.9	17.2
95°	28.0	28.0	28.0	28.0	28.0	27.4	26.3	25.2	24.0	22.8	21.0
97.5°	30.3	30.2	30.1	29.9	29.7	28.9	27.6	26.4	25.1	23.8	35.5
100°	30.9	30.8	30.6	30.4	30.3	29.6	28.3	27.0	25.6	24.3	49.9
102.5°	31.6	31.2	30.9	30.6	30.3	32.2	36.3	40.3	44.4	48.4	76.3
105°	32.4	32.1	31.8	31.5	31.1	45.4	74.5	103.4	132.4	161.4	176.1
107.5°	101.8	123.7	145.5	167.4	189.2	210.8	232.1	253.3	274.6	295.8	293.4
110°	202.6	226.0	249.5	272.9	296.3	310.8	316.1	321.5	327.0	332.3	330.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	347.7	352.6	357.5	362.5	367.4	369.9	369.8	369.7	369.6	369.5	367.7
115°	433.3	432.6	432.0	431.3	430.6	429.5	427.9	426.2	424.6	423.0	421.5
117.5°	481.4	481.2	481.1	481.0	480.8	480.0	478.8	477.5	476.2	474.9	474.1
120°	514.3	514.3	514.3	514.3	514.3	513.7	512.4	511.0	509.7	508.4	507.9
122.5°	546.8	546.7	546.5	546.4	546.2	545.7	544.8	543.8	543.0	542.1	541.4
125°	592.5	592.1	591.8	591.4	591.2	590.8	590.5	590.1	589.8	589.5	588.8
127.5°	636.4	636.7	637.1	637.3	637.6	637.5	637.1	636.5	636.0	635.5	634.7
130°	664.7	665.0	665.3	665.6	666.0	665.8	665.2	664.5	663.8	663.2	662.5
132.5°	690.6	691.1	691.5	692.0	692.4	692.3	691.6	691.0	690.4	689.8	689.2
135°	730.3	730.8	731.2	731.7	732.2	732.2	731.7	731.2	730.8	730.3	729.6
137.5°	767.5	767.9	768.2	768.5	768.8	768.6	767.8	767.0	766.3	765.4	765.1
140°	789.9	790.2	790.6	790.9	791.3	791.1	790.4	789.8	789.1	788.4	788.0
142.5°	810.6	811.1	811.4	811.9	812.4	812.4	811.8	811.3	810.8	810.3	809.7
145°	842.3	842.3	842.3	842.3	842.3	842.1	841.8	841.4	841.1	840.7	840.5
147.5°	865.8	866.6	867.3	868.1	868.8	869.0	868.7	868.4	868.1	867.7	867.4
150°	883.5	884.0	884.5	885.0	885.5	885.5	885.2	884.9	884.6	884.3	883.9
152.5°	897.7	898.4	899.2	899.9	900.7	900.8	900.1	899.6	899.0	898.4	898.2
155°	917.4	918.4	919.4	920.4	921.3	921.4	920.6	919.8	919.0	918.1	917.9
157.5°	934.1	935.4	936.6	937.9	939.1	939.3	938.3	937.4	936.4	935.4	935.6
160°	944.7	945.8	947.0	948.1	949.2	949.3	948.4	947.3	946.4	945.4	945.6
162.5°	954.7	955.7	956.7	957.7	958.8	958.7	957.6	956.5	955.4	954.2	954.4
165°	966.8	967.9	969.0	970.3	971.4	971.3	970.0	968.7	967.3	966.0	966.2
167.5°	975.4	976.8	978.1	979.4	980.7	980.7	979.4	978.1	976.8	975.4	975.4
170°	980.8	982.1	983.4	984.7	986.0	986.0	984.7	983.4	982.1	980.8	980.8
172.5°	983.7	985.1	986.7	988.1	989.5	989.6	988.3	986.9	985.6	984.3	984.2
175°	988.2	989.5	990.8	992.1	993.3	993.4	992.3	991.2	990.0	988.9	988.7
177.5°	989.5	990.8	992.1	993.4	994.8	994.9	993.8	992.8	991.7	990.6	990.5
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	1050.0	1046.9	1043.7	1038.2	1033.5	1026.7	1024.7	1022.4	1015.3	1009.0	1004.3
5°	1114.2	1102.3	1085.1	1069.3	1056.5	1039.2	1029.4	1019.0	1004.2	990.8	980.0
7.5°	1181.3	1158.0	1131.1	1102.1	1075.1	1049.0	1028.0	1009.3	988.5	968.9	953.7
10°	1234.5	1201.0	1163.6	1123.0	1088.5	1055.0	1026.8	1002.2	975.5	952.3	933.1
12.5°	1295.3	1245.7	1193.9	1144.8	1103.9	1057.3	1023.3	991.9	961.7	933.8	912.2
15°	1367.3	1304.2	1242.9	1175.4	1113.2	1055.0	1014.6	975.1	940.0	911.3	883.7
17.5°	1432.9	1361.3	1280.6	1198.4	1123.4	1054.4	997.8	953.1	909.3	874.3	846.8
20°	1470.0	1388.6	1297.2	1211.9	1129.0	1052.0	989.9	936.5	889.2	852.2	821.0
22.5°	1501.9	1406.7	1312.2	1221.0	1128.6	1045.7	975.2	920.4	869.0	832.8	799.7
25°	1535.1	1421.1	1326.3	1219.3	1116.2	1030.3	951.3	889.2	837.8	795.4	761.4
27.5°	1563.5	1420.1	1307.7	1192.5	1096.6	1010.6	926.2	859.6	805.1	759.0	724.4
30°	1582.4	1422.1	1288.4	1174.4	1077.7	988.8	906.9	839.8	782.6	735.7	703.1
32.5°	1594.3	1420.9	1270.6	1149.1	1047.6	969.1	886.0	816.5	757.7	711.6	680.2
35°	1601.2	1412.2	1240.0	1096.9	999.2	922.7	853.2	781.1	719.4	676.5	641.0
37.5°	1587.4	1393.9	1204.5	1046.6	939.6	864.3	805.8	744.4	685.4	638.1	607.6
40°	1565.7	1382.1	1176.9	1011.1	898.5	826.0	776.2	716.0	657.7	612.8	584.2
42.5°	1524.2	1358.0	1146.4	971.6	855.9	783.3	737.5	687.2	632.1	589.9	561.4
45°	1423.1	1305.6	1100.9	912.4	793.0	717.9	677.5	641.0	591.2	550.2	525.5
47.5°	1282.7	1226.8	1034.9	849.9	727.3	655.1	613.0	583.6	547.2	514.2	490.5
50°	1185.2	1162.1	990.3	807.3	683.4	612.8	572.4	545.7	519.6	486.5	464.9
52.5°	1072.7	1087.0	938.2	763.1	638.8	569.4	531.3	510.2	486.4	459.3	440.4
55°	914.4	966.1	848.2	688.8	572.4	506.2	470.2	451.5	437.7	417.5	401.1
57.5°	766.0	832.0	750.9	612.4	507.2	450.2	415.6	395.1	386.3	375.7	362.9
60°	678.0	743.1	681.5	561.0	463.4	409.1	378.4	361.2	352.3	344.9	334.0
62.5°	599.5	665.3	613.5	509.0	420.3	369.9	343.4	326.5	319.5	315.7	306.4
65°	491.4	548.2	513.7	427.8	358.7	314.3	290.1	278.3	271.9	270.4	264.5
67.5°	400.0	443.2	418.0	354.9	300.5	262.1	241.6	231.5	226.6	226.1	221.7
70°	340.0	380.4	361.2	304.0	257.1	227.0	209.2	200.3	197.4	196.9	194.4
72.5°	293.4	321.6	306.3	258.5	222.3	195.0	182.0	172.7	169.4	170.0	168.3
75°	217.1	238.4	229.4	196.4	167.3	149.5	138.6	132.7	129.8	131.3	129.3
77.5°	156.2	169.7	161.6	138.7	120.8	107.9	100.0	96.3	93.7	93.6	92.7
80°	117.9	125.8	121.4	107.5	92.7	81.9	75.5	73.0	71.5	71.1	70.6
82.5°	84.0	90.7	85.5	76.0	65.9	59.4	55.8	52.5	51.5	51.7	51.2
85°	42.4	44.9	42.9	37.0	33.1	30.1	28.1	26.7	25.6	26.1	25.2
87.5°	17.2	17.2	15.6	13.7	12.5	11.0	10.7	9.6	9.1	9.5	9.4
90°	13.4	11.3	9.1	7.3	5.7	4.1	2.4	0.8	2.4	4.1	5.7
92.5°	15.6	14.0	12.4	11.9	12.3	12.8	13.3	13.7	13.3	12.8	12.3
95°	19.2	17.4	15.6	18.1	24.8	31.5	38.3	45.0	38.3	31.5	24.8
97.5°	47.3	59.1	70.9	78.3	81.3	84.4	87.4	90.3	87.4	84.4	81.3
100°	75.4	100.9	126.5	137.6	134.3	131.1	127.8	124.5	127.8	131.1	134.3
102.5°	104.2	132.2	160.1	172.9	170.5	168.1	165.8	163.4	165.8	168.1	170.5
105°	190.9	205.6	220.4	226.8	225.0	223.2	221.4	219.6	221.4	223.2	225.0
107.5°	291.2	288.8	286.4	284.6	283.1	281.7	280.3	278.8	280.3	281.7	283.1
110°	328.8	327.0	325.1	323.6	322.3	320.9	319.6	318.3	319.6	320.9	322.3



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.9	364.1	362.2	360.8	359.6	358.4	357.2	356.1	357.2	358.4	359.6
115°	420.0	418.6	417.1	415.8	414.9	413.9	412.9	411.9	412.9	413.9	414.9
117.5°	473.3	472.6	471.8	470.8	469.7	468.4	467.2	466.0	467.2	468.4	469.7
120°	507.5	507.0	506.5	505.5	504.0	502.6	501.1	499.6	501.1	502.6	504.0
122.5°	540.8	540.2	539.5	538.7	537.4	536.2	535.0	533.8	535.0	536.2	537.4
125°	588.1	587.6	586.9	585.9	584.6	583.2	581.9	580.7	581.9	583.2	584.6
127.5°	634.0	633.1	632.4	631.3	630.0	628.7	627.4	626.0	627.4	628.7	630.0
130°	661.9	661.2	660.5	659.6	658.3	657.0	655.6	654.3	655.6	657.0	658.3
132.5°	688.6	688.2	687.6	686.7	685.4	684.1	682.8	681.5	682.8	684.1	685.4
135°	729.0	728.3	727.6	726.8	725.9	724.8	723.9	722.8	723.9	724.8	725.9
137.5°	764.8	764.4	764.0	763.2	762.0	760.7	759.5	758.3	759.5	760.7	762.0
140°	787.5	787.0	786.5	785.8	784.8	783.8	782.8	781.8	782.8	783.8	784.8
142.5°	809.3	808.8	808.3	807.6	806.6	805.6	804.6	803.6	804.6	805.6	806.6
145°	840.1	839.8	839.4	838.8	837.5	836.4	835.3	834.2	835.3	836.4	837.5
147.5°	867.0	866.8	866.5	865.9	865.2	864.4	863.7	862.9	863.7	864.4	865.2
150°	883.6	883.3	883.0	882.5	882.0	881.6	881.1	880.5	881.1	881.6	882.0
152.5°	898.0	897.8	897.6	897.4	897.2	896.9	896.7	896.5	896.7	896.9	897.2
155°	917.8	917.7	917.5	917.6	917.9	918.2	918.6	918.9	918.6	918.2	917.9
157.5°	935.8	935.9	936.0	936.1	936.1	936.2	936.2	936.2	936.2	936.2	936.1
160°	945.7	945.9	946.0	946.2	946.4	946.6	946.7	946.9	946.7	946.6	946.4
162.5°	954.6	954.7	954.9	955.2	955.6	956.0	956.5	956.9	956.5	956.0	955.6
165°	966.4	966.6	966.7	967.0	967.5	968.0	968.5	969.0	968.5	968.0	967.5
167.5°	975.4	975.4	975.4	975.8	976.5	977.1	977.8	978.5	977.8	977.1	976.5
170°	980.8	980.8	980.8	981.1	981.8	982.4	983.1	983.7	983.1	982.4	981.8
172.5°	984.0	983.9	983.8	984.1	984.9	985.7	986.5	987.2	986.5	985.7	984.9
175°	988.5	988.4	988.3	988.5	989.4	990.2	991.0	991.8	991.0	990.2	989.4
177.5°	990.4	990.2	990.1	990.4	991.1	991.7	992.4	993.0	992.4	991.7	991.1
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	1001.5	998.7	994.8	988.8	984.1	976.6	976.6	977.8	977.8	977.4	976.6
5°	971.1	963.7	954.8	944.4	933.6	922.7	920.8	916.8	913.9	911.9	909.4
7.5°	939.1	925.9	912.9	898.4	885.2	874.3	866.7	860.4	856.3	852.0	848.9
10°	917.3	901.0	885.7	870.4	853.7	840.4	832.0	826.0	821.6	817.7	815.7
12.5°	891.6	873.0	856.1	841.6	823.2	809.5	801.5	798.8	793.5	785.2	780.9
15°	854.1	836.9	816.6	794.5	785.5	768.7	759.4	755.0	752.0	745.6	743.6
17.5°	822.1	799.5	776.7	760.2	743.7	730.1	724.8	719.3	715.4	710.1	708.6
20°	796.4	776.2	755.4	737.7	720.4	705.6	701.2	697.2	693.2	690.8	688.8
22.5°	770.3	750.2	732.9	716.3	698.0	688.2	683.4	679.1	676.3	674.7	672.7
25°	733.8	716.0	696.7	681.9	667.1	660.7	657.7	655.3	653.3	650.8	650.4
27.5°	701.0	681.6	666.0	652.2	641.6	636.2	633.4	632.2	632.6	633.5	634.0
30°	676.5	658.7	645.9	634.0	624.2	619.3	618.8	618.8	620.8	621.2	622.3
32.5°	654.0	639.4	626.6	615.1	607.7	604.3	606.1	606.1	607.8	609.0	610.8
35°	621.2	608.4	598.5	588.7	582.3	583.7	584.8	585.7	588.1	591.2	593.1
37.5°	589.9	578.8	568.5	560.8	557.9	560.5	562.9	565.0	567.9	570.1	572.1
40°	567.4	559.0	549.2	542.2	543.3	544.8	546.8	549.2	551.7	553.2	555.2
42.5°	546.5	537.7	530.3	524.5	525.9	527.8	529.0	530.3	533.1	535.7	537.0
45°	514.6	507.7	500.9	497.4	498.4	499.4	500.3	501.8	504.3	506.2	506.8
47.5°	478.8	474.0	469.4	466.0	467.6	467.2	468.4	471.6	472.4	473.6	476.4
50°	455.9	451.5	446.1	445.1	445.1	445.1	445.5	449.5	449.5	451.5	453.5
52.5°	430.6	427.8	424.3	422.5	421.8	421.8	423.9	425.8	426.6	429.4	431.4
55°	393.2	390.3	387.4	385.9	384.8	385.9	389.8	390.8	393.2	394.7	396.2
57.5°	354.3	352.0	349.7	348.8	348.6	350.0	352.1	355.1	355.7	360.2	362.5
60°	328.7	325.2	323.2	323.2	322.3	326.7	325.6	330.6	331.6	334.5	338.0
62.5°	302.2	297.6	296.7	296.7	298.1	299.4	300.8	302.9	305.6	309.2	312.0
65°	259.6	257.1	260.5	260.0	259.0	262.0	262.0	264.5	267.4	270.9	276.4
67.5°	219.1	217.9	218.2	218.2	219.7	221.4	222.7	224.9	228.5	232.1	235.6
70°	191.9	193.4	191.0	192.9	194.4	194.9	195.9	198.9	202.8	205.3	209.2
72.5°	165.5	165.4	165.7	166.5	168.0	168.8	169.8	173.2	177.6	179.6	182.8
75°	127.3	126.8	128.3	128.3	130.7	131.8	132.7	134.2	138.2	141.1	143.5
77.5°	92.9	93.6	93.2	94.9	94.3	94.4	97.5	99.0	99.3	105.2	106.5
80°	70.0	71.1	71.5	72.0	72.6	71.5	75.0	76.4	76.4	79.9	82.4
82.5°	50.3	50.9	52.2	52.7	52.8	53.8	54.1	55.1	56.4	57.9	61.1
85°	25.2	26.7	27.1	26.7	27.1	26.1	27.6	28.1	28.7	28.7	28.7
87.5°	9.3	10.1	10.2	10.9	11.0	11.8	12.0	11.3	11.4	12.7	11.3
90°	7.3	9.1	11.3	13.4	15.6	17.7	18.4	19.0	19.6	20.3	20.8
92.5°	11.9	12.4	14.0	15.6	17.2	18.9	19.9	20.9	22.0	23.1	23.7
95°	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.2	26.3	27.4	28.0
97.5°	78.3	70.9	59.1	47.3	35.5	23.8	25.1	26.4	27.6	28.9	29.7
100°	137.6	126.5	100.9	75.4	49.9	24.3	25.6	27.0	28.3	29.6	30.3
102.5°	172.9	160.1	132.2	104.2	76.3	48.4	44.4	40.3	36.3	32.2	30.3
105°	226.8	220.4	205.6	190.9	176.1	161.4	132.4	103.4	74.5	45.4	31.1
107.5°	284.6	286.4	288.8	291.2	293.4	295.8	274.6	253.3	232.1	210.8	189.2
110°	323.6	325.1	327.0	328.8	330.5	332.3	327.0	321.5	316.1	310.8	296.3



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	360.8	362.2	364.1	365.9	367.7	369.5	369.6	369.7	369.8	369.9	367.4
115°	415.8	417.1	418.6	420.0	421.5	423.0	424.6	426.2	427.9	429.5	430.6
117.5°	470.8	471.8	472.6	473.3	474.1	474.9	476.2	477.5	478.8	480.0	480.8
120°	505.5	506.5	507.0	507.5	507.9	508.4	509.7	511.0	512.4	513.7	514.3
122.5°	538.7	539.5	540.2	540.8	541.4	542.1	543.0	543.8	544.8	545.7	546.2
125°	585.9	586.9	587.6	588.1	588.8	589.5	589.8	590.1	590.5	590.8	591.2
127.5°	631.3	632.4	633.1	634.0	634.7	635.5	636.0	636.5	637.1	637.5	637.6
130°	659.6	660.5	661.2	661.9	662.5	663.2	663.8	664.5	665.2	665.8	666.0
132.5°	686.7	687.6	688.2	688.6	689.2	689.8	690.4	691.0	691.6	692.3	692.4
135°	726.8	727.6	728.3	729.0	729.6	730.3	730.8	731.2	731.7	732.2	732.2
137.5°	763.2	764.0	764.4	764.8	765.1	765.4	766.3	767.0	767.8	768.6	768.8
140°	785.8	786.5	787.0	787.5	788.0	788.4	789.1	789.8	790.4	791.1	791.3
142.5°	807.6	808.3	808.8	809.3	809.7	810.3	810.8	811.3	811.8	812.4	812.4
145°	838.8	839.4	839.8	840.1	840.5	840.7	841.1	841.4	841.8	842.1	842.3
147.5°	865.9	866.5	866.8	867.0	867.4	867.7	868.1	868.4	868.7	869.0	868.8
150°	882.5	883.0	883.3	883.6	883.9	884.3	884.6	884.9	885.2	885.5	885.5
152.5°	897.4	897.6	897.8	898.0	898.2	898.4	899.0	899.6	900.1	900.8	900.7
155°	917.6	917.5	917.7	917.8	917.9	918.1	919.0	919.8	920.6	921.4	921.3
157.5°	936.1	936.0	935.9	935.8	935.6	935.4	936.4	937.4	938.3	939.3	939.1
160°	946.2	946.0	945.9	945.7	945.6	945.4	946.4	947.3	948.4	949.3	949.2
162.5°	955.2	954.9	954.7	954.6	954.4	954.2	955.4	956.5	957.6	958.7	958.8
165°	967.0	966.7	966.6	966.4	966.2	966.0	967.3	968.7	970.0	971.3	971.4
167.5°	975.8	975.4	975.4	975.4	975.4	975.4	976.8	978.1	979.4	980.7	980.7
170°	981.1	980.8	980.8	980.8	980.8	980.8	982.1	983.4	984.7	986.0	986.0
172.5°	984.1	983.8	983.9	984.0	984.2	984.3	985.6	986.9	988.3	989.6	989.5
175°	988.5	988.3	988.4	988.5	988.7	988.9	990.0	991.2	992.3	993.4	993.3
177.5°	990.4	990.1	990.2	990.4	990.5	990.6	991.7	992.8	993.8	994.9	994.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	973.8	973.5	976.2	974.2	976.2	973.5	973.8	976.6	977.4	977.8	977.8
5°	906.4	908.0	903.0	903.0	903.0	908.0	906.4	909.4	911.9	913.9	916.8
7.5°	846.4	844.2	844.4	841.8	844.4	844.2	846.4	848.9	852.0	856.3	860.4
10°	809.7	806.8	805.8	806.3	805.8	806.8	809.7	815.7	817.7	821.6	826.0
12.5°	779.3	778.7	772.2	772.3	772.2	778.7	779.3	780.9	785.2	793.5	798.8
15°	743.6	734.2	733.2	736.2	733.2	734.2	743.6	743.6	745.6	752.0	755.0
17.5°	707.8	702.9	703.1	701.6	703.1	702.9	707.8	708.6	710.1	715.4	719.3
20°	688.8	685.9	685.4	681.9	685.4	685.9	688.8	688.8	690.8	693.2	697.2
22.5°	671.5	670.5	670.8	666.9	670.8	670.5	671.5	672.7	674.7	676.3	679.1
25°	649.9	652.3	650.4	650.4	650.4	652.3	649.9	650.4	650.8	653.3	655.3
27.5°	635.3	635.2	634.1	634.1	634.1	635.2	635.3	634.0	633.5	632.6	632.2
30°	624.2	623.7	624.7	624.7	624.7	623.7	624.2	622.3	621.2	620.8	618.8
32.5°	613.1	613.9	614.1	614.4	614.1	613.9	613.1	610.8	609.0	607.8	606.1
35°	596.1	596.5	598.0	597.1	598.0	596.5	596.1	593.1	591.2	588.1	585.7
37.5°	573.0	575.2	574.8	575.5	574.8	575.2	573.0	572.1	570.1	567.9	565.0
40°	555.6	557.1	556.6	556.6	556.6	557.1	555.6	555.2	553.2	551.7	549.2
42.5°	537.8	538.9	537.6	536.9	537.6	538.9	537.8	537.0	535.7	533.1	530.3
45°	508.7	507.7	509.3	507.3	509.3	507.7	508.7	506.8	506.2	504.3	501.8
47.5°	476.2	477.1	477.6	479.0	477.6	477.1	476.2	476.4	473.6	472.4	471.6
50°	454.5	457.4	457.4	456.9	457.4	457.4	454.5	453.5	451.5	449.5	449.5
52.5°	433.1	434.5	436.5	436.4	436.5	434.5	433.1	431.4	429.4	426.6	425.8
55°	400.2	401.1	402.2	402.7	402.2	401.1	400.2	396.2	394.7	393.2	390.8
57.5°	366.0	365.6	368.0	368.7	368.0	365.6	366.0	362.5	360.2	355.7	355.1
60°	342.0	342.0	345.9	347.4	345.9	342.0	342.0	338.0	334.5	331.6	330.6
62.5°	316.3	317.9	321.8	319.7	321.8	317.9	316.3	312.0	309.2	305.6	302.9
65°	278.8	282.8	282.3	284.2	282.3	282.8	278.8	276.4	270.9	267.4	264.5
67.5°	239.6	242.0	245.6	245.9	245.6	242.0	239.6	235.6	232.1	228.5	224.9
70°	213.2	215.7	217.6	219.0	217.6	215.7	213.2	209.2	205.3	202.8	198.9
72.5°	187.5	188.8	193.5	191.4	193.5	188.8	187.5	182.8	179.6	177.6	173.2
75°	147.0	150.5	153.4	151.9	153.4	150.5	147.0	143.5	141.1	138.2	134.2
77.5°	108.8	112.2	113.6	112.4	113.6	112.2	108.8	106.5	105.2	99.3	99.0
80°	85.9	85.4	88.3	87.8	88.3	85.4	85.9	82.4	79.9	76.4	76.4
82.5°	63.0	62.5	63.8	64.2	63.8	62.5	63.0	61.1	57.9	56.4	55.1
85°	30.6	32.0	30.1	29.6	30.1	32.0	30.6	28.7	28.7	28.7	28.1
87.5°	11.3	11.4	11.0	10.7	11.0	11.4	11.3	11.3	12.7	11.4	11.3
90°	21.1	21.5	21.8	22.1	21.8	21.5	21.1	20.8	20.3	19.6	19.0
92.5°	23.8	24.0	24.2	24.5	24.2	24.0	23.8	23.7	23.1	22.0	20.9
95°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27.4	26.3	25.2
97.5°	29.9	30.1	30.2	30.3	30.2	30.1	29.9	29.7	28.9	27.6	26.4
100°	30.4	30.6	30.8	30.9	30.8	30.6	30.4	30.3	29.6	28.3	27.0
102.5°	30.6	30.9	31.2	31.6	31.2	30.9	30.6	30.3	32.2	36.3	40.3
105°	31.5	31.8	32.1	32.4	32.1	31.8	31.5	31.1	45.4	74.5	103.4
107.5°	167.4	145.5	123.7	101.8	123.7	145.5	167.4	189.2	210.8	232.1	253.3
110°	272.9	249.5	226.0	202.6	226.0	249.5	272.9	296.3	310.8	316.1	321.5



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	362.5	357.5	352.6	347.7	352.6	357.5	362.5	367.4	369.9	369.8	369.7
115°	431.3	432.0	432.6	433.3	432.6	432.0	431.3	430.6	429.5	427.9	426.2
117.5°	481.0	481.1	481.2	481.4	481.2	481.1	481.0	480.8	480.0	478.8	477.5
120°	514.3	514.3	514.3	514.3	514.3	514.3	514.3	514.3	513.7	512.4	511.0
122.5°	546.4	546.5	546.7	546.8	546.7	546.5	546.4	546.2	545.7	544.8	543.8
125°	591.4	591.8	592.1	592.5	592.1	591.8	591.4	591.2	590.8	590.5	590.1
127.5°	637.3	637.1	636.7	636.4	636.7	637.1	637.3	637.6	637.5	637.1	636.5
130°	665.6	665.3	665.0	664.7	665.0	665.3	665.6	666.0	665.8	665.2	664.5
132.5°	692.0	691.5	691.1	690.6	691.1	691.5	692.0	692.4	692.3	691.6	691.0
135°	731.7	731.2	730.8	730.3	730.8	731.2	731.7	732.2	732.2	731.7	731.2
137.5°	768.5	768.2	767.9	767.5	767.9	768.2	768.5	768.8	768.6	767.8	767.0
140°	790.9	790.6	790.2	789.9	790.2	790.6	790.9	791.3	791.1	790.4	789.8
142.5°	811.9	811.4	811.1	810.6	811.1	811.4	811.9	812.4	812.4	811.8	811.3
145°	842.3	842.3	842.3	842.3	842.3	842.3	842.3	842.3	842.1	841.8	841.4
147.5°	868.1	867.3	866.6	865.8	866.6	867.3	868.1	868.8	869.0	868.7	868.4
150°	885.0	884.5	884.0	883.5	884.0	884.5	885.0	885.5	885.5	885.2	884.9
152.5°	899.9	899.2	898.4	897.7	898.4	899.2	899.9	900.7	900.8	900.1	899.6
155°	920.4	919.4	918.4	917.4	918.4	919.4	920.4	921.3	921.4	920.6	919.8
157.5°	937.9	936.6	935.4	934.1	935.4	936.6	937.9	939.1	939.3	938.3	937.4
160°	948.1	947.0	945.8	944.7	945.8	947.0	948.1	949.2	949.3	948.4	947.3
162.5°	957.7	956.7	955.7	954.7	955.7	956.7	957.7	958.8	958.7	957.6	956.5
165°	970.3	969.0	967.9	966.8	967.9	969.0	970.3	971.4	971.3	970.0	968.7
167.5°	979.4	978.1	976.8	975.4	976.8	978.1	979.4	980.7	980.7	979.4	978.1
170°	984.7	983.4	982.1	980.8	982.1	983.4	984.7	986.0	986.0	984.7	983.4
172.5°	988.1	986.7	985.1	983.7	985.1	986.7	988.1	989.5	989.6	988.3	986.9
175°	992.1	990.8	989.5	988.2	989.5	990.8	992.1	993.3	993.4	992.3	991.2
177.5°	993.4	992.1	990.8	989.5	990.8	992.1	993.4	994.8	994.9	993.8	992.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	976.6	976.6	984.1	988.8	994.8	998.7	1001.5	1004.3	1009.0	1015.3	1022.4
5°	920.8	922.7	933.6	944.4	954.8	963.7	971.1	980.0	990.8	1004.2	1019.0
7.5°	866.7	874.3	885.2	898.4	912.9	925.9	939.1	953.7	968.9	988.5	1009.3
10°	832.0	840.4	853.7	870.4	885.7	901.0	917.3	933.1	952.3	975.5	1002.2
12.5°	801.5	809.5	823.2	841.6	856.1	873.0	891.6	912.2	933.8	961.7	991.9
15°	759.4	768.7	785.5	794.5	816.6	836.9	854.1	883.7	911.3	940.0	975.1
17.5°	724.8	730.1	743.7	760.2	776.7	799.5	822.1	846.8	874.3	909.3	953.1
20°	701.2	705.6	720.4	737.7	755.4	776.2	796.4	821.0	852.2	889.2	936.5
22.5°	683.4	688.2	698.0	716.3	732.9	750.2	770.3	799.7	832.8	869.0	920.4
25°	657.7	660.7	667.1	681.9	696.7	716.0	733.8	761.4	795.4	837.8	889.2
27.5°	633.4	636.2	641.6	652.2	666.0	681.6	701.0	724.4	759.0	805.1	859.6
30°	618.8	619.3	624.2	634.0	645.9	658.7	676.5	703.1	735.7	782.6	839.8
32.5°	606.1	604.3	607.7	615.1	626.6	639.4	654.0	680.2	711.6	757.7	816.5
35°	584.8	583.7	582.3	588.7	598.5	608.4	621.2	641.0	676.5	719.4	781.1
37.5°	562.9	560.5	557.9	560.8	568.5	578.8	589.9	607.6	638.1	685.4	744.4
40°	546.8	544.8	543.3	542.2	549.2	559.0	567.4	584.2	612.8	657.7	716.0
42.5°	529.0	527.8	525.9	524.5	530.3	537.7	546.5	561.4	589.9	632.1	687.2
45°	500.3	499.4	498.4	497.4	500.9	507.7	514.6	525.5	550.2	591.2	641.0
47.5°	468.4	467.2	467.6	466.0	469.4	474.0	478.8	490.5	514.2	547.2	583.6
50°	445.5	445.1	445.1	445.1	446.1	451.5	455.9	464.9	486.5	519.6	545.7
52.5°	423.9	421.8	421.8	422.5	424.3	427.8	430.6	440.4	459.3	486.4	510.2
55°	389.8	385.9	384.8	385.9	387.4	390.3	393.2	401.1	417.5	437.7	451.5
57.5°	352.1	350.0	348.6	348.8	349.7	352.0	354.3	362.9	375.7	386.3	395.1
60°	325.6	326.7	322.3	323.2	323.2	325.2	328.7	334.0	344.9	352.3	361.2
62.5°	300.8	299.4	298.1	296.7	296.7	297.6	302.2	306.4	315.7	319.5	326.5
65°	262.0	262.0	259.0	260.0	260.5	257.1	259.6	264.5	270.4	271.9	278.3
67.5°	222.7	221.4	219.7	218.2	218.2	217.9	219.1	221.7	226.1	226.6	231.5
70°	195.9	194.9	194.4	192.9	191.0	193.4	191.9	194.4	196.9	197.4	200.3
72.5°	169.8	168.8	168.0	166.5	165.7	165.4	165.5	168.3	170.0	169.4	172.7
75°	132.7	131.8	130.7	128.3	128.3	126.8	127.3	129.3	131.3	129.8	132.7
77.5°	97.5	94.4	94.3	94.9	93.2	93.6	92.9	92.7	93.6	93.7	96.3
80°	75.0	71.5	72.6	72.0	71.5	71.1	70.0	70.6	71.1	71.5	73.0
82.5°	54.1	53.8	52.8	52.7	52.2	50.9	50.3	51.2	51.7	51.5	52.5
85°	27.6	26.1	27.1	26.7	27.1	26.7	25.2	25.2	26.1	25.6	26.7
87.5°	12.0	11.8	11.0	10.9	10.2	10.1	9.3	9.4	9.5	9.1	9.6
90°	18.4	17.7	15.6	13.4	11.3	9.1	7.3	5.7	4.1	2.4	0.8
92.5°	19.9	18.9	17.2	15.6	14.0	12.4	11.9	12.3	12.8	13.3	13.7
95°	24.0	22.8	21.0	19.2	17.4	15.6	18.1	24.8	31.5	38.3	45.0
97.5°	25.1	23.8	35.5	47.3	59.1	70.9	78.3	81.3	84.4	87.4	90.3
100°	25.6	24.3	49.9	75.4	100.9	126.5	137.6	134.3	131.1	127.8	124.5
102.5°	44.4	48.4	76.3	104.2	132.2	160.1	172.9	170.5	168.1	165.8	163.4
105°	132.4	161.4	176.1	190.9	205.6	220.4	226.8	225.0	223.2	221.4	219.6
107.5°	274.6	295.8	293.4	291.2	288.8	286.4	284.6	283.1	281.7	280.3	278.8
110°	327.0	332.3	330.5	328.8	327.0	325.1	323.6	322.3	320.9	319.6	318.3



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	369.6	369.5	367.7	365.9	364.1	362.2	360.8	359.6	358.4	357.2	356.1
115°	424.6	423.0	421.5	420.0	418.6	417.1	415.8	414.9	413.9	412.9	411.9
117.5°	476.2	474.9	474.1	473.3	472.6	471.8	470.8	469.7	468.4	467.2	466.0
120°	509.7	508.4	507.9	507.5	507.0	506.5	505.5	504.0	502.6	501.1	499.6
122.5°	543.0	542.1	541.4	540.8	540.2	539.5	538.7	537.4	536.2	535.0	533.8
125°	589.8	589.5	588.8	588.1	587.6	586.9	585.9	584.6	583.2	581.9	580.7
127.5°	636.0	635.5	634.7	634.0	633.1	632.4	631.3	630.0	628.7	627.4	626.0
130°	663.8	663.2	662.5	661.9	661.2	660.5	659.6	658.3	657.0	655.6	654.3
132.5°	690.4	689.8	689.2	688.6	688.2	687.6	686.7	685.4	684.1	682.8	681.5
135°	730.8	730.3	729.6	729.0	728.3	727.6	726.8	725.9	724.8	723.9	722.8
137.5°	766.3	765.4	765.1	764.8	764.4	764.0	763.2	762.0	760.7	759.5	758.3
140°	789.1	788.4	788.0	787.5	787.0	786.5	785.8	784.8	783.8	782.8	781.8
142.5°	810.8	810.3	809.7	809.3	808.8	808.3	807.6	806.6	805.6	804.6	803.6
145°	841.1	840.7	840.5	840.1	839.8	839.4	838.8	837.5	836.4	835.3	834.2
147.5°	868.1	867.7	867.4	867.0	866.8	866.5	865.9	865.2	864.4	863.7	862.9
150°	884.6	884.3	883.9	883.6	883.3	883.0	882.5	882.0	881.6	881.1	880.5
152.5°	899.0	898.4	898.2	898.0	897.8	897.6	897.4	897.2	896.9	896.7	896.5
155°	919.0	918.1	917.9	917.8	917.7	917.5	917.6	917.9	918.2	918.6	918.9
157.5°	936.4	935.4	935.6	935.8	935.9	936.0	936.1	936.1	936.2	936.2	936.2
160°	946.4	945.4	945.6	945.7	945.9	946.0	946.2	946.4	946.6	946.7	946.9
162.5°	955.4	954.2	954.4	954.6	954.7	954.9	955.2	955.6	956.0	956.5	956.9
165°	967.3	966.0	966.2	966.4	966.6	966.7	967.0	967.5	968.0	968.5	969.0
167.5°	976.8	975.4	975.4	975.4	975.4	975.4	975.8	976.5	977.1	977.8	978.5
170°	982.1	980.8	980.8	980.8	980.8	980.8	981.1	981.8	982.4	983.1	983.7
172.5°	985.6	984.3	984.2	984.0	983.9	983.8	984.1	984.9	985.7	986.5	987.2
175°	990.0	988.9	988.7	988.5	988.4	988.3	988.5	989.4	990.2	991.0	991.8
177.5°	991.7	990.6	990.5	990.4	990.2	990.1	990.4	991.1	991.7	992.4	993.0
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



TEST NUMBER: P331973-830

CATALOG NUMBER: S123DIP-S775D805U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	1024.7	1026.7	1033.5	1038.2	1043.7	1046.9	1050.0	1052.4	1055.6	1056.3	1067.8
5°	1029.4	1039.2	1056.5	1069.3	1085.1	1102.3	1114.2	1119.6	1133.9	1145.8	1169.4
7.5°	1028.0	1049.0	1075.1	1102.1	1131.1	1158.0	1181.3	1208.9	1228.6	1258.1	1287.1
10°	1026.8	1055.0	1088.5	1123.0	1163.6	1201.0	1234.5	1272.1	1303.2	1344.2	1379.1
12.5°	1023.3	1057.3	1103.9	1144.8	1193.9	1245.7	1295.3	1343.5	1371.0	1439.3	1471.5
15°	1014.6	1055.0	1113.2	1175.4	1242.9	1304.2	1367.3	1417.7	1499.0	1558.8	1596.8
17.5°	997.8	1054.4	1123.4	1198.4	1280.6	1361.3	1432.9	1509.2	1595.5	1667.8	1744.8
20°	989.9	1052.0	1129.0	1211.9	1297.2	1388.6	1470.0	1561.7	1656.0	1727.0	1825.7
22.5°	975.2	1045.7	1128.6	1221.0	1312.2	1406.7	1501.9	1594.5	1703.4	1801.3	1895.2
25°	951.3	1030.3	1116.2	1219.3	1326.3	1421.1	1535.1	1657.9	1771.4	1897.2	1991.0
27.5°	926.2	1010.6	1096.6	1192.5	1307.7	1420.1	1563.5	1702.3	1841.2	1949.7	2019.1
30°	906.9	988.8	1077.7	1174.4	1288.4	1422.1	1582.4	1733.9	1869.2	1962.4	2001.4
32.5°	886.0	969.1	1047.6	1149.1	1270.6	1420.9	1594.3	1752.5	1870.8	1932.8	1925.2
35°	853.2	922.7	999.2	1096.9	1240.0	1412.2	1601.2	1754.2	1826.7	1813.4	1712.7
37.5°	805.8	864.3	939.6	1046.6	1204.5	1393.9	1587.4	1702.1	1697.4	1588.9	1443.1
40°	776.2	826.0	898.5	1011.1	1176.9	1382.1	1565.7	1640.2	1577.1	1425.5	1250.8
42.5°	737.5	783.3	855.9	971.6	1146.4	1358.0	1524.2	1545.9	1422.3	1247.9	1087.8
45°	677.5	717.9	793.0	912.4	1100.9	1305.6	1423.1	1370.3	1204.0	1023.9	902.0
47.5°	613.0	655.1	727.3	849.9	1034.9	1226.8	1282.7	1170.4	999.7	853.7	741.8
50°	572.4	612.8	683.4	807.3	990.3	1162.1	1185.2	1040.2	883.3	755.0	663.2
52.5°	531.3	569.4	638.8	763.1	938.2	1087.0	1072.7	924.9	780.6	671.3	599.3
55°	470.2	506.2	572.4	688.8	848.2	966.1	914.4	773.3	653.8	568.9	514.2
57.5°	415.6	450.2	507.2	612.4	750.9	832.0	766.0	647.1	552.1	486.8	446.0
60°	378.4	409.1	463.4	561.0	681.5	743.1	678.0	572.9	492.9	440.6	404.2
62.5°	343.4	369.9	420.3	509.0	613.5	665.3	599.5	510.5	442.4	396.1	365.0
65°	290.1	314.3	358.7	427.8	513.7	548.2	491.4	419.4	366.6	332.1	311.3
67.5°	241.6	262.1	300.5	354.9	418.0	443.2	400.0	344.2	304.4	276.7	260.2
70°	209.2	227.0	257.1	304.0	361.2	380.4	340.0	294.1	264.9	242.8	227.4
72.5°	182.0	195.0	222.3	258.5	306.3	321.6	293.4	253.1	225.9	209.2	197.1
75°	138.6	149.5	167.3	196.4	229.4	238.4	217.1	191.9	173.7	161.8	152.5
77.5°	100.0	107.9	120.8	138.7	161.6	169.7	156.2	139.4	126.1	118.1	112.9
80°	75.5	81.9	92.7	107.5	121.4	125.8	117.9	105.1	95.8	91.3	86.8
82.5°	55.8	59.4	65.9	76.0	85.5	90.7	84.0	76.3	71.3	67.2	65.5
85°	28.1	30.1	33.1	37.0	42.9	44.9	42.4	40.4	37.5	35.1	35.1
87.5°	10.7	11.0	12.5	13.7	15.6	17.2	17.2	17.0	17.0	16.7	16.4
90°	2.4	4.1	5.7	7.3	9.1	11.3	13.4	15.6	17.7	18.4	19.0
92.5°	13.3	12.8	12.3	11.9	12.4	14.0	15.6	17.2	18.9	19.9	20.9
95°	38.3	31.5	24.8	18.1	15.6	17.4	19.2	21.0	22.8	24.0	25.2
97.5°	87.4	84.4	81.3	78.3	70.9	59.1	47.3	35.5	23.8	25.1	26.4
100°	127.8	131.1	134.3	137.6	126.5	100.9	75.4	49.9	24.3	25.6	27.0
102.5°	165.8	168.1	170.5	172.9	160.1	132.2	104.2	76.3	48.4	44.4	40.3
105°	221.4	223.2	225.0	226.8	220.4	205.6	190.9	176.1	161.4	132.4	103.4
107.5°	280.3	281.7	283.1	284.6	286.4	288.8	291.2	293.4	295.8	274.6	253.3
110°	319.6	320.9	322.3	323.6	325.1	327.0	328.8	330.5	332.3	327.0	321.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	357.2	358.4	359.6	360.8	362.2	364.1	365.9	367.7	369.5	369.6	369.7
115°	412.9	413.9	414.9	415.8	417.1	418.6	420.0	421.5	423.0	424.6	426.2
117.5°	467.2	468.4	469.7	470.8	471.8	472.6	473.3	474.1	474.9	476.2	477.5
120°	501.1	502.6	504.0	505.5	506.5	507.0	507.5	507.9	508.4	509.7	511.0
122.5°	535.0	536.2	537.4	538.7	539.5	540.2	540.8	541.4	542.1	543.0	543.8
125°	581.9	583.2	584.6	585.9	586.9	587.6	588.1	588.8	589.5	589.8	590.1
127.5°	627.4	628.7	630.0	631.3	632.4	633.1	634.0	634.7	635.5	636.0	636.5
130°	655.6	657.0	658.3	659.6	660.5	661.2	661.9	662.5	663.2	663.8	664.5
132.5°	682.8	684.1	685.4	686.7	687.6	688.2	688.6	689.2	689.8	690.4	691.0
135°	723.9	724.8	725.9	726.8	727.6	728.3	729.0	729.6	730.3	730.8	731.2
137.5°	759.5	760.7	762.0	763.2	764.0	764.4	764.8	765.1	765.4	766.3	767.0
140°	782.8	783.8	784.8	785.8	786.5	787.0	787.5	788.0	788.4	789.1	789.8
142.5°	804.6	805.6	806.6	807.6	808.3	808.8	809.3	809.7	810.3	810.8	811.3
145°	835.3	836.4	837.5	838.8	839.4	839.8	840.1	840.5	840.7	841.1	841.4
147.5°	863.7	864.4	865.2	865.9	866.5	866.8	867.0	867.4	867.7	868.1	868.4
150°	881.1	881.6	882.0	882.5	883.0	883.3	883.6	883.9	884.3	884.6	884.9
152.5°	896.7	896.9	897.2	897.4	897.6	897.8	898.0	898.2	898.4	899.0	899.6
155°	918.6	918.2	917.9	917.6	917.5	917.7	917.8	917.9	918.1	919.0	919.8
157.5°	936.2	936.2	936.1	936.1	936.0	935.9	935.8	935.6	935.4	936.4	937.4
160°	946.7	946.6	946.4	946.2	946.0	945.9	945.7	945.6	945.4	946.4	947.3
162.5°	956.5	956.0	955.6	955.2	954.9	954.7	954.6	954.4	954.2	955.4	956.5
165°	968.5	968.0	967.5	967.0	966.7	966.6	966.4	966.2	966.0	967.3	968.7
167.5°	977.8	977.1	976.5	975.8	975.4	975.4	975.4	975.4	975.4	976.8	978.1
170°	983.1	982.4	981.8	981.1	980.8	980.8	980.8	980.8	980.8	982.1	983.4
172.5°	986.5	985.7	984.9	984.1	983.8	983.9	984.0	984.2	984.3	985.6	986.9
175°	991.0	990.2	989.4	988.5	988.3	988.4	988.5	988.7	988.9	990.0	991.2
177.5°	992.4	991.7	991.1	990.4	990.1	990.2	990.4	990.5	990.6	991.7	992.8
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8	991.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4
2.5°	1071.8	1072.1	1076.5	1079.7	1078.1	1080.1	1080.8
5°	1170.9	1188.7	1198.1	1204.9	1205.5	1206.0	1209.9
7.5°	1311.5	1330.6	1344.5	1365.6	1372.0	1379.1	1377.1
10°	1414.2	1442.3	1466.5	1479.3	1493.2	1513.3	1497.1
12.5°	1510.1	1560.0	1596.8	1616.7	1629.8	1633.8	1625.8
15°	1668.3	1733.4	1768.5	1767.5	1811.9	1831.2	1801.0
17.5°	1813.4	1873.5	1921.7	1946.4	1983.3	1991.5	1987.7
20°	1902.2	1967.8	2005.4	2047.8	2067.0	2084.2	2087.3
22.5°	1978.8	2037.7	2077.9	2113.3	2129.4	2137.6	2142.5
25°	2057.7	2104.0	2128.2	2140.5	2144.9	2144.0	2137.6
27.5°	2052.2	2055.8	2029.1	2003.0	1979.6	1953.2	1944.2
30°	1998.9	1957.5	1883.5	1841.5	1779.8	1731.0	1750.7
32.5°	1858.8	1776.3	1693.2	1601.5	1525.6	1504.0	1482.2
35°	1586.4	1441.3	1356.5	1257.7	1218.3	1178.8	1151.7
37.5°	1283.5	1171.2	1070.5	1006.0	966.5	941.5	928.0
40°	1109.7	1008.6	925.7	873.4	843.3	815.2	811.2
42.5°	971.2	877.1	814.7	773.1	744.2	732.3	723.6
45°	795.4	729.8	687.9	658.3	639.0	631.6	621.7
47.5°	673.3	626.9	595.4	575.2	560.7	555.3	554.4
50°	604.9	566.5	543.3	527.4	516.1	514.2	506.2
52.5°	553.6	520.3	502.2	488.4	480.2	474.7	472.3
55°	480.6	458.4	442.1	434.2	427.8	422.4	422.4
57.5°	420.5	402.0	391.2	384.5	382.5	378.6	376.2
60°	383.4	367.6	359.2	353.3	349.4	349.9	345.4
62.5°	347.0	336.9	328.9	322.9	318.2	318.3	318.6
65°	295.6	287.7	281.7	279.7	276.8	273.3	274.4
67.5°	250.4	243.1	238.5	235.1	234.1	232.2	235.1
70°	218.1	212.6	209.2	206.2	205.3	205.8	208.2
72.5°	188.5	184.6	182.4	181.0	178.8	178.9	180.6
75°	148.1	145.1	143.1	141.6	141.1	141.1	141.1
77.5°	108.8	108.1	107.2	105.0	105.1	105.7	105.8
80°	85.9	84.4	83.9	82.9	81.4	80.4	82.9
82.5°	64.2	62.7	62.2	62.0	59.7	59.5	61.5
85°	34.5	33.1	33.6	33.1	33.1	32.6	32.6
87.5°	16.2	15.9	15.6	16.0	15.7	15.4	16.3
90°	19.6	20.3	20.8	21.1	21.5	21.8	22.1
92.5°	22.0	23.1	23.7	23.8	24.0	24.2	24.5
95°	26.3	27.4	28.0	28.0	28.0	28.0	28.0
97.5°	27.6	28.9	29.7	29.9	30.1	30.2	30.3
100°	28.3	29.6	30.3	30.4	30.6	30.8	30.9
102.5°	36.3	32.2	30.3	30.6	30.9	31.2	31.6
105°	74.5	45.4	31.1	31.5	31.8	32.1	32.4
107.5°	232.1	210.8	189.2	167.4	145.5	123.7	101.8
110°	316.1	310.8	296.3	272.9	249.5	226.0	202.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.8	369.9	367.4	362.5	357.5	352.6	347.7
115°	427.9	429.5	430.6	431.3	432.0	432.6	433.3
117.5°	478.8	480.0	480.8	481.0	481.1	481.2	481.4
120°	512.4	513.7	514.3	514.3	514.3	514.3	514.3
122.5°	544.8	545.7	546.2	546.4	546.5	546.7	546.8
125°	590.5	590.8	591.2	591.4	591.8	592.1	592.5
127.5°	637.1	637.5	637.6	637.3	637.1	636.7	636.4
130°	665.2	665.8	666.0	665.6	665.3	665.0	664.7
132.5°	691.6	692.3	692.4	692.0	691.5	691.1	690.6
135°	731.7	732.2	732.2	731.7	731.2	730.8	730.3
137.5°	767.8	768.6	768.8	768.5	768.2	767.9	767.5
140°	790.4	791.1	791.3	790.9	790.6	790.2	789.9
142.5°	811.8	812.4	812.4	811.9	811.4	811.1	810.6
145°	841.8	842.1	842.3	842.3	842.3	842.3	842.3
147.5°	868.7	869.0	868.8	868.1	867.3	866.6	865.8
150°	885.2	885.5	885.5	885.0	884.5	884.0	883.5
152.5°	900.1	900.8	900.7	899.9	899.2	898.4	897.7
155°	920.6	921.4	921.3	920.4	919.4	918.4	917.4
157.5°	938.3	939.3	939.1	937.9	936.6	935.4	934.1
160°	948.4	949.3	949.2	948.1	947.0	945.8	944.7
162.5°	957.6	958.7	958.8	957.7	956.7	955.7	954.7
165°	970.0	971.3	971.4	970.3	969.0	967.9	966.8
167.5°	979.4	980.7	980.7	979.4	978.1	976.8	975.4
170°	984.7	986.0	986.0	984.7	983.4	982.1	980.8
172.5°	988.3	989.6	989.5	988.1	986.7	985.1	983.7
175°	992.3	993.4	993.3	992.1	990.8	989.5	988.2
177.5°	993.8	994.9	994.8	993.4	992.1	990.8	989.5
180°	991.8	991.8	991.8	991.8	991.8	991.8	991.8

(END OF REPORT)