

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: P331975-940

Luminaire Tested: **S123DIP-S775D805U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331975-940
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-S775D805U940-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5501.9 lumens
Efficiency: N/A
Efficacy: 119.9 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

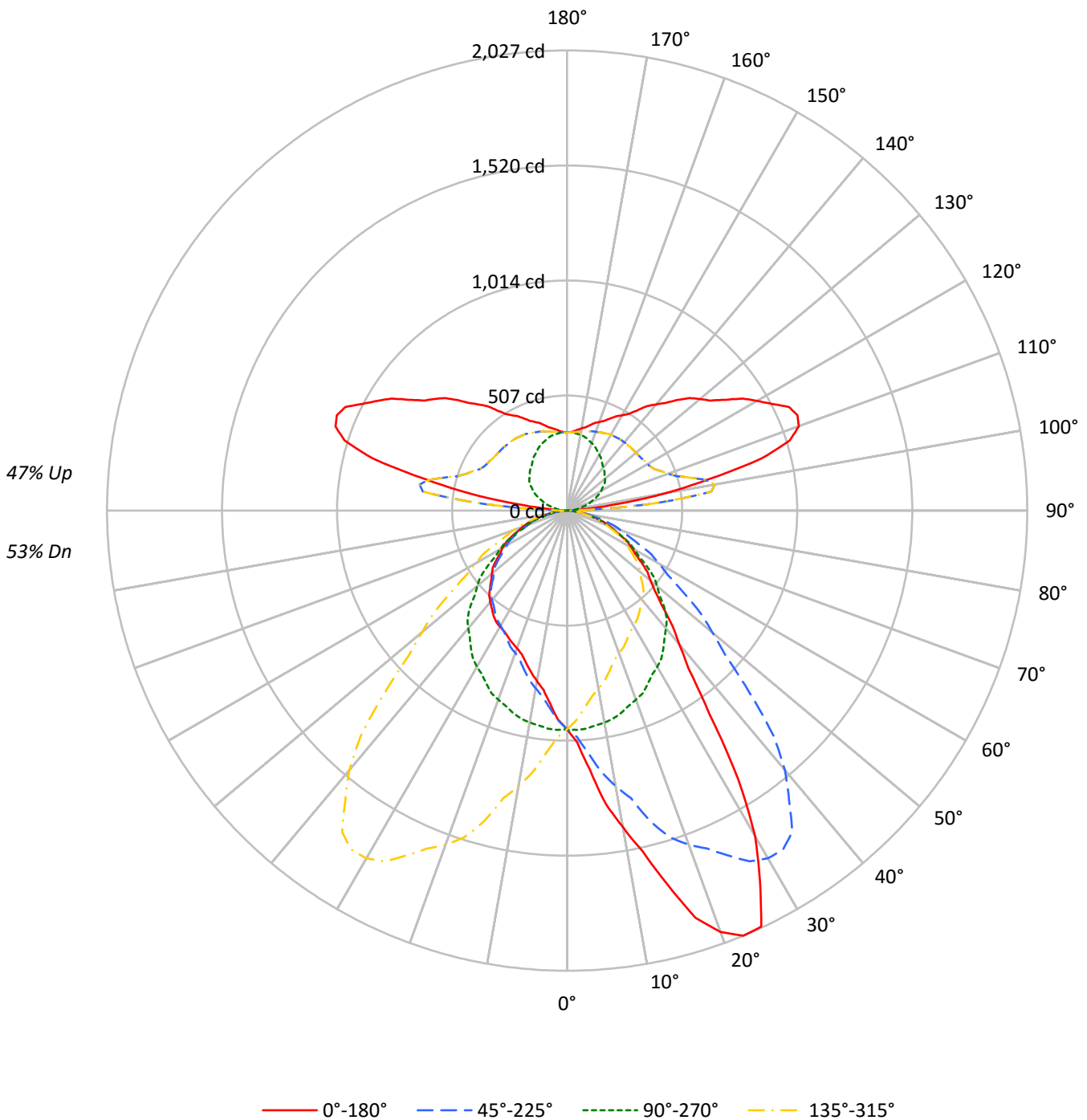
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	73	70	63	62	60	52	51	50	45
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	46	44	43	38
3	82	73	66	60	76	68	62	57	58	54	50	50	46	43	41	39	37	33
4	75	65	57	51	70	60	53	48	52	47	43	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	34	30	28	25
6	64	52	44	38	59	49	41	36	42	36	32	36	32	28	30	27	25	22
7	59	47	39	33	55	44	37	32	38	33	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	18	16	14

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	1.7
10°-20°	304.3	5.5
20°-30°	510.8	9.3
30°-40°	578.4	10.5
40°-50°	518.7	9.4
50°-60°	418.6	7.6
60°-70°	291.7	5.3
70°-80°	153.3	2.8
80°-90°	40.2	0.7
90°-100°	191.7	3.5
100°-110°	542.7	9.9
110°-120°	533.9	9.7
120°-130°	425.8	7.7
130°-140°	335.7	6.1
140°-150°	250.6	4.6
150°-160°	174.7	3.2
160°-170°	102.6	1.9
170°-180°	33.4	0.6
0°-30°	910.1	16.5
0°-40°	1488.4	27.1
0°-60°	2425.7	44.1
0°-90°	2910.8	52.9
90°-120°	1268.2	23.1
90°-150°	2280.4	41.4
90°-180°	2591.0	47.1
0°-180°	5501.9	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°	20	1	20	1	20	12
95°	81	24	81	24	81	146
105°	887	81	887	81	887	875
115°	1078	143	1078	143	1078	1048
125°	850	199	850	199	850	771
135°	690	233	690	233	690	535
145°	539	266	539	266	539	343
155°	447	302	447	302	447	208
165°	390	330	390	330	390	111
175°	351	344	351	344	351	34
180°	344	344	344	344	344	



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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°	15.2	14.6	14.9	15.1	14.9	15.0	15.2	15.4	15.7	16.1	16.1
90°	20.2	21.0	20.2	19.5	20.2	18.8	18.1	17.4	16.8	17.4	15.3
92.5°	33.6	34.9	34.2	36.3	37.5	41.1	46.5	58.7	80.9	107.2	118.0
95°	80.9	83.6	88.5	94.8	108.1	133.1	170.1	251.0	335.4	413.4	368.1
97.5°	220.2	226.1	245.0	276.3	327.8	411.2	501.1	625.6	685.5	640.7	469.0
100°	437.1	436.4	463.6	514.5	584.9	683.9	765.4	822.0	797.5	660.2	446.2
102.5°	641.2	657.3	680.0	720.3	775.1	837.9	885.4	887.2	803.2	623.9	412.7
105°	886.8	890.3	912.6	939.1	971.2	989.3	976.0	906.3	760.6	560.5	371.6
107.5°	1028.1	1034.6	1042.1	1051.1	1050.4	1025.6	964.6	851.4	686.2	504.4	345.4
110°	1086.2	1087.5	1089.0	1083.3	1063.9	1015.0	927.2	799.0	639.3	472.7	335.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1097.9	1097.6	1092.3	1075.0	1039.3	976.6	878.2	747.1	598.6	451.5	329.8
115°	1078.5	1075.0	1061.0	1030.4	978.1	902.1	799.6	678.3	549.4	428.7	327.7
117.5°	1016.9	1012.1	992.0	956.9	902.4	825.3	733.3	628.6	519.7	415.4	329.0
120°	965.5	961.4	944.7	905.6	850.5	780.2	696.4	602.4	504.1	409.2	331.2
122.5°	917.6	912.3	893.9	858.7	809.9	744.4	666.9	581.8	491.2	405.4	335.0
125°	850.5	845.6	828.2	797.5	753.0	697.1	630.3	554.2	474.7	400.2	340.9
127.5°	795.3	790.9	775.1	748.9	709.2	658.4	598.0	530.3	460.3	397.7	347.6
130°	764.1	758.5	743.9	718.8	681.8	634.5	577.9	515.2	452.5	396.0	352.0
132.5°	733.4	729.5	716.6	691.4	656.7	611.5	559.0	501.2	445.2	395.4	355.4
135°	689.5	684.6	672.1	651.1	617.0	577.2	531.9	482.4	435.7	394.6	360.4
137.5°	643.1	639.9	629.3	608.1	579.3	544.9	505.9	465.3	427.5	393.1	363.8
140°	610.7	611.4	600.2	580.8	554.2	524.2	490.8	455.2	422.5	392.5	366.0
142.5°	580.6	581.3	571.2	553.9	531.4	505.3	476.3	445.8	418.0	391.4	367.7
145°	538.9	537.5	531.9	517.3	499.9	479.7	457.4	434.4	412.1	389.7	368.8
147.5°	504.6	504.1	498.7	488.8	475.6	461.3	443.3	425.0	406.2	387.1	368.8
150°	484.6	484.6	480.4	472.7	462.2	449.0	434.4	418.3	402.3	384.9	368.8
152.5°	467.8	467.8	465.3	458.2	450.0	438.9	426.0	412.1	397.8	382.0	367.1
155°	446.8	446.2	444.8	439.2	432.9	424.5	414.1	403.0	391.1	377.2	365.3
157.5°	427.8	427.9	426.8	422.6	417.1	410.6	402.5	393.2	383.6	372.8	362.9
160°	415.5	416.2	416.2	412.1	407.2	402.3	395.3	387.6	378.5	369.5	361.9
162.5°	404.4	405.0	405.0	401.4	398.2	393.9	387.4	380.9	373.5	366.1	359.6
165°	389.7	389.7	390.4	387.6	384.9	381.4	376.5	372.3	366.7	361.1	356.2
167.5°	375.8	375.8	376.5	374.5	373.3	370.8	367.9	364.7	360.2	356.1	352.9
170°	367.4	367.4	368.1	366.7	366.0	364.6	361.9	359.7	356.2	352.8	350.7
172.5°	359.6	360.2	361.4	360.0	359.9	359.0	356.8	355.3	352.3	350.0	349.0
175°	350.7	351.3	352.0	351.3	351.3	351.3	350.0	349.3	347.9	346.5	346.5
177.5°	345.5	345.5	346.6	346.1	346.6	346.6	346.1	345.5	344.9	344.4	344.9
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



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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°	16.5	16.4	14.9	13.1	12.1	10.5	10.3	9.3	8.7	9.1	9.1
90°	13.3	11.1	9.1	7.7	6.2	4.2	2.8	1.4	2.8	4.2	6.2
92.5°	88.5	58.6	40.3	30.0	24.2	18.7	12.8	8.6	12.8	18.7	24.2
95°	253.8	149.9	90.6	63.4	45.3	33.4	25.8	23.7	25.8	33.4	45.3
97.5°	278.5	161.3	104.7	75.3	57.4	47.2	41.1	40.4	41.1	47.2	57.4
100°	262.8	159.6	110.8	83.6	67.0	57.2	52.3	51.6	52.3	57.2	67.0
102.5°	249.4	161.8	118.1	93.2	78.1	68.8	64.6	63.3	64.6	68.8	78.1
105°	239.8	168.0	130.4	108.8	95.5	87.1	82.9	80.9	82.9	87.1	95.5
107.5°	239.2	179.4	146.4	126.4	113.9	105.7	101.7	99.5	101.7	105.7	113.9
110°	241.9	189.0	157.6	138.0	126.2	118.5	115.0	113.0	115.0	118.5	126.2



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	247.4	198.4	169.2	150.3	138.5	130.8	127.3	125.2	127.3	130.8	138.5
115°	256.5	214.0	187.5	168.7	156.9	149.9	145.7	142.9	145.7	149.9	156.9
117.5°	268.6	230.6	204.4	187.0	173.7	167.3	163.8	160.6	163.8	167.3	173.7
120°	277.5	241.2	216.2	198.7	185.5	178.4	175.0	172.9	175.0	178.4	185.5
122.5°	285.8	252.4	227.8	209.3	196.6	189.0	185.6	183.5	185.6	189.0	196.6
125°	299.1	268.4	244.0	225.2	212.0	204.3	200.1	198.7	200.1	204.3	212.0
127.5°	310.0	282.3	258.8	240.0	225.3	217.5	212.3	210.3	212.3	217.5	225.3
130°	317.2	290.7	267.7	248.9	234.3	225.9	219.6	217.5	219.6	225.9	234.3
132.5°	323.9	297.9	275.5	257.3	242.6	232.6	225.8	223.1	225.8	232.6	242.6
135°	332.5	308.8	287.2	268.4	253.8	243.3	235.7	232.8	235.7	243.3	253.8
137.5°	338.9	316.4	295.6	278.1	263.7	252.5	245.0	242.0	245.0	252.5	263.7
140°	342.3	321.4	301.1	283.7	269.8	258.7	251.6	248.2	251.6	258.7	269.8
142.5°	345.6	325.3	305.6	289.4	275.4	265.4	257.8	254.9	257.8	265.4	275.4
145°	349.3	330.5	312.4	296.3	284.5	274.0	267.7	265.6	267.7	274.0	284.5
147.5°	351.5	334.7	318.1	304.3	292.9	283.9	277.8	276.5	277.8	283.9	292.9
150°	352.0	337.4	321.4	308.8	299.1	290.0	284.5	283.7	284.5	290.0	299.1
152.5°	353.2	339.1	325.3	313.3	304.7	296.7	291.1	291.0	291.1	296.7	304.7
155°	353.5	342.3	330.5	320.7	313.0	306.0	301.8	301.8	301.8	306.0	313.0
157.5°	354.2	344.1	334.7	327.1	320.6	314.4	311.0	310.5	311.0	314.4	320.6
160°	354.2	345.8	337.4	330.5	325.6	320.0	317.2	317.2	317.2	320.0	325.6
162.5°	353.6	346.3	339.1	333.2	329.0	324.5	322.3	322.3	322.3	324.5	329.0
165°	352.0	347.1	341.6	336.7	333.9	330.5	329.0	329.8	329.0	330.5	333.9
167.5°	351.0	347.1	343.0	339.9	338.0	335.4	334.7	335.5	334.7	335.4	338.0
170°	349.3	346.5	343.0	341.6	340.2	338.1	337.4	338.9	337.4	338.1	340.2
172.5°	348.7	346.5	343.6	342.7	341.9	340.4	340.2	341.1	340.2	340.4	341.9
175°	347.1	345.8	344.4	343.7	343.7	342.3	343.0	343.7	343.0	342.3	343.7
177.5°	346.1	344.9	344.4	344.4	344.4	343.8	344.4	344.9	344.4	343.8	344.4
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

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°	9.0	9.6	9.7	10.5	10.5	11.3	11.1	10.6	10.7	11.9	10.8
90°	7.7	9.1	11.1	13.3	15.3	17.4	16.8	17.4	18.1	18.8	20.2
92.5°	30.0	40.3	58.6	88.5	118.0	107.2	80.9	58.7	46.5	41.1	37.5
95°	63.4	90.6	149.9	253.8	368.1	413.4	335.4	251.0	170.1	133.1	108.1
97.5°	75.3	104.7	161.3	278.5	469.0	640.7	685.5	625.6	501.1	411.2	327.8
100°	83.6	110.8	159.6	262.8	446.2	660.2	797.5	822.0	765.4	683.9	584.9
102.5°	93.2	118.1	161.8	249.4	412.7	623.9	803.2	887.2	885.4	837.9	775.1
105°	108.8	130.4	168.0	239.8	371.6	560.5	760.6	906.3	976.0	989.3	971.2
107.5°	126.4	146.4	179.4	239.2	345.4	504.4	686.2	851.4	964.6	1025.6	1050.4
110°	138.0	157.6	189.0	241.9	335.4	472.7	639.3	799.0	927.2	1015.0	1063.9



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.3	169.2	198.4	247.4	329.8	451.5	598.6	747.1	878.2	976.6	1039.3
115°	168.7	187.5	214.0	256.5	327.7	428.7	549.4	678.3	799.6	902.1	978.1
117.5°	187.0	204.4	230.6	268.6	329.0	415.4	519.7	628.6	733.3	825.3	902.4
120°	198.7	216.2	241.2	277.5	331.2	409.2	504.1	602.4	696.4	780.2	850.5
122.5°	209.3	227.8	252.4	285.8	335.0	405.4	491.2	581.8	666.9	744.4	809.9
125°	225.2	244.0	268.4	299.1	340.9	400.2	474.7	554.2	630.3	697.1	753.0
127.5°	240.0	258.8	282.3	310.0	347.6	397.7	460.3	530.3	598.0	658.4	709.2
130°	248.9	267.7	290.7	317.2	352.0	396.0	452.5	515.2	577.9	634.5	681.8
132.5°	257.3	275.5	297.9	323.9	355.4	395.4	445.2	501.2	559.0	611.5	656.7
135°	268.4	287.2	308.8	332.5	360.4	394.6	435.7	482.4	531.9	577.2	617.0
137.5°	278.1	295.6	316.4	338.9	363.8	393.1	427.5	465.3	505.9	544.9	579.3
140°	283.7	301.1	321.4	342.3	366.0	392.5	422.5	455.2	490.8	524.2	554.2
142.5°	289.4	305.6	325.3	345.6	367.7	391.4	418.0	445.8	476.3	505.3	531.4
145°	296.3	312.4	330.5	349.3	368.8	389.7	412.1	434.4	457.4	479.7	499.9
147.5°	304.3	318.1	334.7	351.5	368.8	387.1	406.2	425.0	443.3	461.3	475.6
150°	308.8	321.4	337.4	352.0	368.8	384.9	402.3	418.3	434.4	449.0	462.2
152.5°	313.3	325.3	339.1	353.2	367.1	382.0	397.8	412.1	426.0	438.9	450.0
155°	320.7	330.5	342.3	353.5	365.3	377.2	391.1	403.0	414.1	424.5	432.9
157.5°	327.1	334.7	344.1	354.2	362.9	372.8	383.6	393.2	402.5	410.6	417.1
160°	330.5	337.4	345.8	354.2	361.9	369.5	378.5	387.6	395.3	402.3	407.2
162.5°	333.2	339.1	346.3	353.6	359.6	366.1	373.5	380.9	387.4	393.9	398.2
165°	336.7	341.6	347.1	352.0	356.2	361.1	366.7	372.3	376.5	381.4	384.9
167.5°	339.9	343.0	347.1	351.0	352.9	356.1	360.2	364.7	367.9	370.8	373.3
170°	341.6	343.0	346.5	349.3	350.7	352.8	356.2	359.7	361.9	364.6	366.0
172.5°	342.7	343.6	346.5	348.7	349.0	350.0	352.3	355.3	356.8	359.0	359.9
175°	343.7	344.4	345.8	347.1	346.5	346.5	347.9	349.3	350.0	351.3	351.3
177.5°	344.4	344.4	344.9	346.1	344.9	344.4	344.9	345.5	346.1	346.6	346.6
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

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°	10.6	10.8	10.5	10.0	10.5	10.8	10.6	10.8	11.9	10.7	10.6
90°	19.5	20.2	21.0	20.2	21.0	20.2	19.5	20.2	18.8	18.1	17.4
92.5°	36.3	34.2	34.9	33.6	34.9	34.2	36.3	37.5	41.1	46.5	58.7
95°	94.8	88.5	83.6	80.9	83.6	88.5	94.8	108.1	133.1	170.1	251.0
97.5°	276.3	245.0	226.1	220.2	226.1	245.0	276.3	327.8	411.2	501.1	625.6
100°	514.5	463.6	436.4	437.1	436.4	463.6	514.5	584.9	683.9	765.4	822.0
102.5°	720.3	680.0	657.3	641.2	657.3	680.0	720.3	775.1	837.9	885.4	887.2
105°	939.1	912.6	890.3	886.8	890.3	912.6	939.1	971.2	989.3	976.0	906.3
107.5°	1051.1	1042.1	1034.6	1028.1	1034.6	1042.1	1051.1	1050.4	1025.6	964.6	851.4
110°	1083.3	1089.0	1087.5	1086.2	1087.5	1089.0	1083.3	1063.9	1015.0	927.2	799.0



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1075.0	1092.3	1097.6	1097.9	1097.6	1092.3	1075.0	1039.3	976.6	878.2	747.1
115°	1030.4	1061.0	1075.0	1078.5	1075.0	1061.0	1030.4	978.1	902.1	799.6	678.3
117.5°	956.9	992.0	1012.1	1016.9	1012.1	992.0	956.9	902.4	825.3	733.3	628.6
120°	905.6	944.7	961.4	965.5	961.4	944.7	905.6	850.5	780.2	696.4	602.4
122.5°	858.7	893.9	912.3	917.6	912.3	893.9	858.7	809.9	744.4	666.9	581.8
125°	797.5	828.2	845.6	850.5	845.6	828.2	797.5	753.0	697.1	630.3	554.2
127.5°	748.9	775.1	790.9	795.3	790.9	775.1	748.9	709.2	658.4	598.0	530.3
130°	718.8	743.9	758.5	764.1	758.5	743.9	718.8	681.8	634.5	577.9	515.2
132.5°	691.4	716.6	729.5	733.4	729.5	716.6	691.4	656.7	611.5	559.0	501.2
135°	651.1	672.1	684.6	689.5	684.6	672.1	651.1	617.0	577.2	531.9	482.4
137.5°	608.1	629.3	639.9	643.1	639.9	629.3	608.1	579.3	544.9	505.9	465.3
140°	580.8	600.2	611.4	610.7	611.4	600.2	580.8	554.2	524.2	490.8	455.2
142.5°	553.9	571.2	581.3	580.6	581.3	571.2	553.9	531.4	505.3	476.3	445.8
145°	517.3	531.9	537.5	538.9	537.5	531.9	517.3	499.9	479.7	457.4	434.4
147.5°	488.8	498.7	504.1	504.6	504.1	498.7	488.8	475.6	461.3	443.3	425.0
150°	472.7	480.4	484.6	484.6	484.6	480.4	472.7	462.2	449.0	434.4	418.3
152.5°	458.2	465.3	467.8	467.8	467.8	465.3	458.2	450.0	438.9	426.0	412.1
155°	439.2	444.8	446.2	446.8	446.2	444.8	439.2	432.9	424.5	414.1	403.0
157.5°	422.6	426.8	427.9	427.8	427.9	426.8	422.6	417.1	410.6	402.5	393.2
160°	412.1	416.2	416.2	415.5	416.2	416.2	412.1	407.2	402.3	395.3	387.6
162.5°	401.4	405.0	405.0	404.4	405.0	405.0	401.4	398.2	393.9	387.4	380.9
165°	387.6	390.4	389.7	389.7	389.7	390.4	387.6	384.9	381.4	376.5	372.3
167.5°	374.5	376.5	375.8	375.8	375.8	376.5	374.5	373.3	370.8	367.9	364.7
170°	366.7	368.1	367.4	367.4	367.4	368.1	366.7	366.0	364.6	361.9	359.7
172.5°	360.0	361.4	360.2	359.6	360.2	361.4	360.0	359.9	359.0	356.8	355.3
175°	351.3	352.0	351.3	350.7	351.3	352.0	351.3	351.3	351.3	350.0	349.3
177.5°	346.1	346.6	345.5	345.5	345.5	346.6	346.1	346.6	346.6	346.1	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

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°	11.1	11.3	10.5	10.5	9.7	9.6	9.0	9.1	9.1	8.7	9.3
90°	16.8	17.4	15.3	13.3	11.1	9.1	7.7	6.2	4.2	2.8	1.4
92.5°	80.9	107.2	118.0	88.5	58.6	40.3	30.0	24.2	18.7	12.8	8.6
95°	335.4	413.4	368.1	253.8	149.9	90.6	63.4	45.3	33.4	25.8	23.7
97.5°	685.5	640.7	469.0	278.5	161.3	104.7	75.3	57.4	47.2	41.1	40.4
100°	797.5	660.2	446.2	262.8	159.6	110.8	83.6	67.0	57.2	52.3	51.6
102.5°	803.2	623.9	412.7	249.4	161.8	118.1	93.2	78.1	68.8	64.6	63.3
105°	760.6	560.5	371.6	239.8	168.0	130.4	108.8	95.5	87.1	82.9	80.9
107.5°	686.2	504.4	345.4	239.2	179.4	146.4	126.4	113.9	105.7	101.7	99.5
110°	639.3	472.7	335.4	241.9	189.0	157.6	138.0	126.2	118.5	115.0	113.0



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	598.6	451.5	329.8	247.4	198.4	169.2	150.3	138.5	130.8	127.3	125.2
115°	549.4	428.7	327.7	256.5	214.0	187.5	168.7	156.9	149.9	145.7	142.9
117.5°	519.7	415.4	329.0	268.6	230.6	204.4	187.0	173.7	167.3	163.8	160.6
120°	504.1	409.2	331.2	277.5	241.2	216.2	198.7	185.5	178.4	175.0	172.9
122.5°	491.2	405.4	335.0	285.8	252.4	227.8	209.3	196.6	189.0	185.6	183.5
125°	474.7	400.2	340.9	299.1	268.4	244.0	225.2	212.0	204.3	200.1	198.7
127.5°	460.3	397.7	347.6	310.0	282.3	258.8	240.0	225.3	217.5	212.3	210.3
130°	452.5	396.0	352.0	317.2	290.7	267.7	248.9	234.3	225.9	219.6	217.5
132.5°	445.2	395.4	355.4	323.9	297.9	275.5	257.3	242.6	232.6	225.8	223.1
135°	435.7	394.6	360.4	332.5	308.8	287.2	268.4	253.8	243.3	235.7	232.8
137.5°	427.5	393.1	363.8	338.9	316.4	295.6	278.1	263.7	252.5	245.0	242.0
140°	422.5	392.5	366.0	342.3	321.4	301.1	283.7	269.8	258.7	251.6	248.2
142.5°	418.0	391.4	367.7	345.6	325.3	305.6	289.4	275.4	265.4	257.8	254.9
145°	412.1	389.7	368.8	349.3	330.5	312.4	296.3	284.5	274.0	267.7	265.6
147.5°	406.2	387.1	368.8	351.5	334.7	318.1	304.3	292.9	283.9	277.8	276.5
150°	402.3	384.9	368.8	352.0	337.4	321.4	308.8	299.1	290.0	284.5	283.7
152.5°	397.8	382.0	367.1	353.2	339.1	325.3	313.3	304.7	296.7	291.1	291.0
155°	391.1	377.2	365.3	353.5	342.3	330.5	320.7	313.0	306.0	301.8	301.8
157.5°	383.6	372.8	362.9	354.2	344.1	334.7	327.1	320.6	314.4	311.0	310.5
160°	378.5	369.5	361.9	354.2	345.8	337.4	330.5	325.6	320.0	317.2	317.2
162.5°	373.5	366.1	359.6	353.6	346.3	339.1	333.2	329.0	324.5	322.3	322.3
165°	366.7	361.1	356.2	352.0	347.1	341.6	336.7	333.9	330.5	329.0	329.8
167.5°	360.2	356.1	352.9	351.0	347.1	343.0	339.9	338.0	335.4	334.7	335.5
170°	356.2	352.8	350.7	349.3	346.5	343.0	341.6	340.2	338.1	337.4	338.9
172.5°	352.3	350.0	349.0	348.7	346.5	343.6	342.7	341.9	340.4	340.2	341.1
175°	347.9	346.5	346.5	347.1	345.8	344.4	343.7	343.7	342.3	343.0	343.7
177.5°	344.9	344.4	344.9	346.1	344.9	344.4	344.4	344.4	343.8	344.4	344.9
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

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°	10.3	10.5	12.1	13.1	14.9	16.4	16.5	16.1	16.1	15.7	15.4
90°	2.8	4.2	6.2	7.7	9.1	11.1	13.3	15.3	17.4	16.8	17.4
92.5°	12.8	18.7	24.2	30.0	40.3	58.6	88.5	118.0	107.2	80.9	58.7
95°	25.8	33.4	45.3	63.4	90.6	149.9	253.8	368.1	413.4	335.4	251.0
97.5°	41.1	47.2	57.4	75.3	104.7	161.3	278.5	469.0	640.7	685.5	625.6
100°	52.3	57.2	67.0	83.6	110.8	159.6	262.8	446.2	660.2	797.5	822.0
102.5°	64.6	68.8	78.1	93.2	118.1	161.8	249.4	412.7	623.9	803.2	887.2
105°	82.9	87.1	95.5	108.8	130.4	168.0	239.8	371.6	560.5	760.6	906.3
107.5°	101.7	105.7	113.9	126.4	146.4	179.4	239.2	345.4	504.4	686.2	851.4
110°	115.0	118.5	126.2	138.0	157.6	189.0	241.9	335.4	472.7	639.3	799.0



TEST NUMBER: P331975-940

CATALOG NUMBER: S123DIP-S775D805U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	127.3	130.8	138.5	150.3	169.2	198.4	247.4	329.8	451.5	598.6	747.1
115°	145.7	149.9	156.9	168.7	187.5	214.0	256.5	327.7	428.7	549.4	678.3
117.5°	163.8	167.3	173.7	187.0	204.4	230.6	268.6	329.0	415.4	519.7	628.6
120°	175.0	178.4	185.5	198.7	216.2	241.2	277.5	331.2	409.2	504.1	602.4
122.5°	185.6	189.0	196.6	209.3	227.8	252.4	285.8	335.0	405.4	491.2	581.8
125°	200.1	204.3	212.0	225.2	244.0	268.4	299.1	340.9	400.2	474.7	554.2
127.5°	212.3	217.5	225.3	240.0	258.8	282.3	310.0	347.6	397.7	460.3	530.3
130°	219.6	225.9	234.3	248.9	267.7	290.7	317.2	352.0	396.0	452.5	515.2
132.5°	225.8	232.6	242.6	257.3	275.5	297.9	323.9	355.4	395.4	445.2	501.2
135°	235.7	243.3	253.8	268.4	287.2	308.8	332.5	360.4	394.6	435.7	482.4
137.5°	245.0	252.5	263.7	278.1	295.6	316.4	338.9	363.8	393.1	427.5	465.3
140°	251.6	258.7	269.8	283.7	301.1	321.4	342.3	366.0	392.5	422.5	455.2
142.5°	257.8	265.4	275.4	289.4	305.6	325.3	345.6	367.7	391.4	418.0	445.8
145°	267.7	274.0	284.5	296.3	312.4	330.5	349.3	368.8	389.7	412.1	434.4
147.5°	277.8	283.9	292.9	304.3	318.1	334.7	351.5	368.8	387.1	406.2	425.0
150°	284.5	290.0	299.1	308.8	321.4	337.4	352.0	368.8	384.9	402.3	418.3
152.5°	291.1	296.7	304.7	313.3	325.3	339.1	353.2	367.1	382.0	397.8	412.1
155°	301.8	306.0	313.0	320.7	330.5	342.3	353.5	365.3	377.2	391.1	403.0
157.5°	311.0	314.4	320.6	327.1	334.7	344.1	354.2	362.9	372.8	383.6	393.2
160°	317.2	320.0	325.6	330.5	337.4	345.8	354.2	361.9	369.5	378.5	387.6
162.5°	322.3	324.5	329.0	333.2	339.1	346.3	353.6	359.6	366.1	373.5	380.9
165°	329.0	330.5	333.9	336.7	341.6	347.1	352.0	356.2	361.1	366.7	372.3
167.5°	334.7	335.4	338.0	339.9	343.0	347.1	351.0	352.9	356.1	360.2	364.7
170°	337.4	338.1	340.2	341.6	343.0	346.5	349.3	350.7	352.8	356.2	359.7
172.5°	340.2	340.4	341.9	342.7	343.6	346.5	348.7	349.0	350.0	352.3	355.3
175°	343.0	342.3	343.7	343.7	344.4	345.8	347.1	346.5	346.5	347.9	349.3
177.5°	344.4	343.8	344.4	344.4	344.4	344.9	346.1	344.9	344.4	344.9	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4



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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°	15.2	15.0	14.9	15.1	14.9	14.6	15.2
90°	18.1	18.8	20.2	19.5	20.2	21.0	20.2
92.5°	46.5	41.1	37.5	36.3	34.2	34.9	33.6
95°	170.1	133.1	108.1	94.8	88.5	83.6	80.9
97.5°	501.1	411.2	327.8	276.3	245.0	226.1	220.2
100°	765.4	683.9	584.9	514.5	463.6	436.4	437.1
102.5°	885.4	837.9	775.1	720.3	680.0	657.3	641.2
105°	976.0	989.3	971.2	939.1	912.6	890.3	886.8
107.5°	964.6	1025.6	1050.4	1051.1	1042.1	1034.6	1028.1
110°	927.2	1015.0	1063.9	1083.3	1089.0	1087.5	1086.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	878.2	976.6	1039.3	1075.0	1092.3	1097.6	1097.9
115°	799.6	902.1	978.1	1030.4	1061.0	1075.0	1078.5
117.5°	733.3	825.3	902.4	956.9	992.0	1012.1	1016.9
120°	696.4	780.2	850.5	905.6	944.7	961.4	965.5
122.5°	666.9	744.4	809.9	858.7	893.9	912.3	917.6
125°	630.3	697.1	753.0	797.5	828.2	845.6	850.5
127.5°	598.0	658.4	709.2	748.9	775.1	790.9	795.3
130°	577.9	634.5	681.8	718.8	743.9	758.5	764.1
132.5°	559.0	611.5	656.7	691.4	716.6	729.5	733.4
135°	531.9	577.2	617.0	651.1	672.1	684.6	689.5
137.5°	505.9	544.9	579.3	608.1	629.3	639.9	643.1
140°	490.8	524.2	554.2	580.8	600.2	611.4	610.7
142.5°	476.3	505.3	531.4	553.9	571.2	581.3	580.6
145°	457.4	479.7	499.9	517.3	531.9	537.5	538.9
147.5°	443.3	461.3	475.6	488.8	498.7	504.1	504.6
150°	434.4	449.0	462.2	472.7	480.4	484.6	484.6
152.5°	426.0	438.9	450.0	458.2	465.3	467.8	467.8
155°	414.1	424.5	432.9	439.2	444.8	446.2	446.8
157.5°	402.5	410.6	417.1	422.6	426.8	427.9	427.8
160°	395.3	402.3	407.2	412.1	416.2	416.2	415.5
162.5°	387.4	393.9	398.2	401.4	405.0	405.0	404.4
165°	376.5	381.4	384.9	387.6	390.4	389.7	389.7
167.5°	367.9	370.8	373.3	374.5	376.5	375.8	375.8
170°	361.9	364.6	366.0	366.7	368.1	367.4	367.4
172.5°	356.8	359.0	359.9	360.0	361.4	360.2	359.6
175°	350.0	351.3	351.3	351.3	352.0	351.3	350.7
177.5°	346.1	346.6	346.6	346.1	346.6	345.5	345.5
180°	344.4	344.4	344.4	344.4	344.4	344.4	344.4

(END OF REPORT)