

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: P331993-940

Luminaire Tested: **S123DIP-S775D1195U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331993-940
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-S775D1195U940-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6762.6 lumens
Efficiency: N/A
Efficacy: 118.9 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

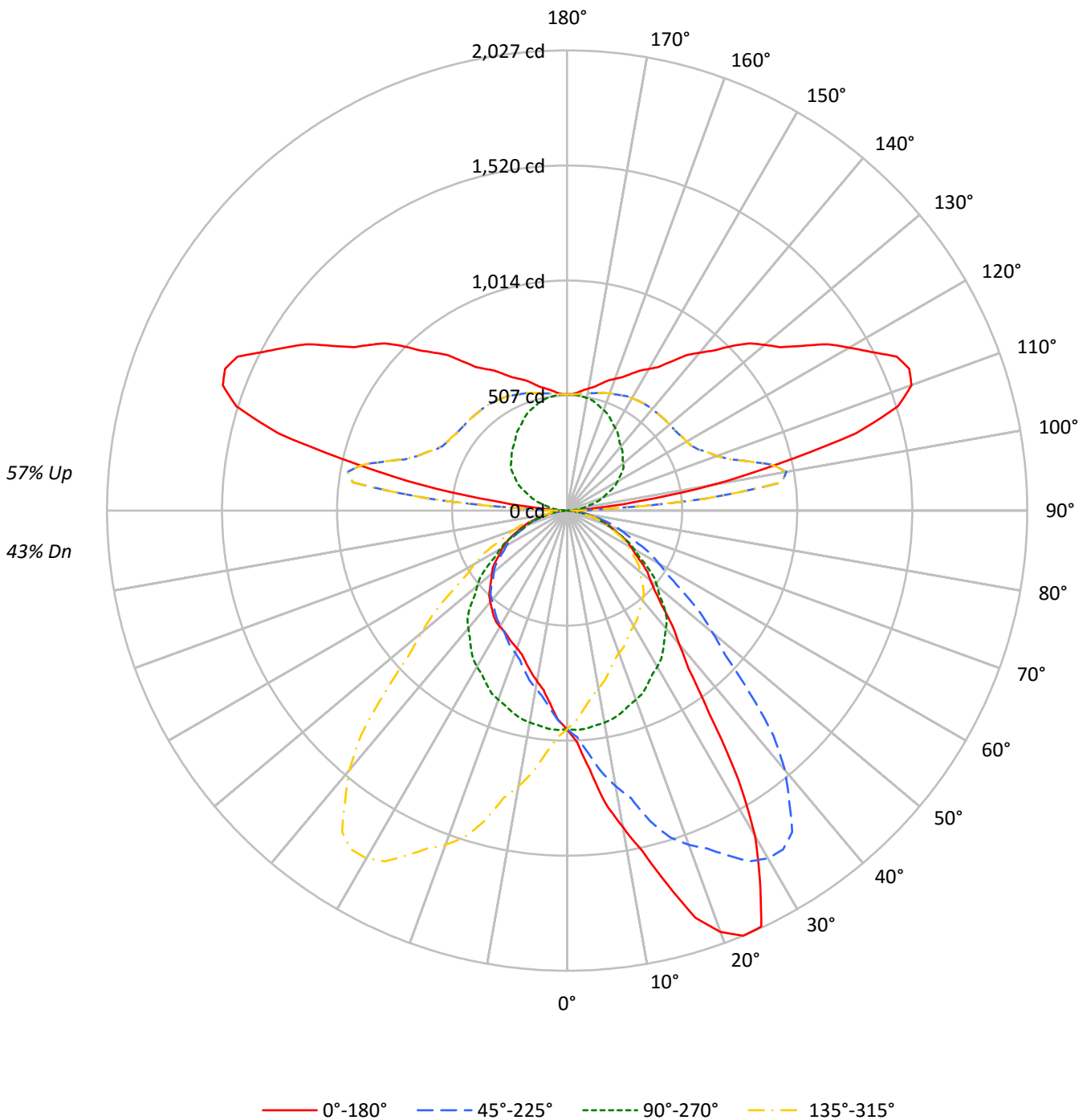
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	96	92	89	85	88	85	81	78	70	68	66	57	55	54	44	43	42	37
2	88	81	75	70	80	74	69	65	62	58	55	50	47	45	39	38	36	31
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	33	31	27
4	74	63	55	49	67	58	51	46	48	43	39	40	36	33	31	29	27	23
5	68	56	48	42	62	52	45	40	43	38	34	36	32	29	28	26	23	20
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21	18
7	58	45	38	32	52	42	35	30	35	30	26	29	25	22	23	21	18	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	16	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11

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	1.4
10°-20°	304.3	4.5
20°-30°	510.8	7.6
30°-40°	578.4	8.6
40°-50°	518.7	7.7
50°-60°	418.6	6.2
60°-70°	291.7	4.3
70°-80°	153.3	2.3
80°-90°	41.5	0.6
90°-100°	284.8	4.2
100°-110°	806.5	11.9
110°-120°	793.4	11.7
120°-130°	632.8	9.4
130°-140°	498.9	7.4
140°-150°	372.4	5.5
150°-160°	259.6	3.8
160°-170°	152.5	2.3
170°-180°	49.6	0.7
0°-30°	910.1	13.5
0°-40°	1488.4	22.0
0°-60°	2425.7	35.9
0°-90°	2912.1	43.1
90°-120°	1884.7	27.9
90°-150°	3388.9	50.1
90°-180°	3851.0	56.9
0°-180°	6762.6	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°	30	2	30	2	30	17
95°	120	35	120	35	120	217
105°	1318	120	1318	120	1318	1300
115°	1603	212	1603	212	1603	1557
125°	1264	295	1264	295	1264	1145
135°	1025	346	1025	346	1025	795
145°	801	395	801	395	801	509
155°	664	449	664	449	664	310
165°	579	490	579	490	579	166
175°	521	511	521	511	521	51
180°	512	512	512	512	512	



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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°	17.2	16.7	16.9	17.0	16.9	16.8	16.9	17.1	17.3	17.8	17.7
90°	30.1	31.1	30.1	29.0	30.1	28.0	26.9	25.9	24.9	25.9	22.8
92.5°	49.9	51.8	50.7	53.9	55.7	61.1	69.2	87.2	120.2	159.3	175.3
95°	120.2	124.3	131.6	140.9	160.6	197.9	252.8	373.0	498.3	614.4	547.1
97.5°	327.2	336.1	364.1	410.7	487.1	611.1	744.7	929.7	1018.6	952.1	697.1
100°	649.6	648.5	688.9	764.6	869.2	1016.4	1137.6	1221.5	1185.3	981.1	663.1
102.5°	953.0	976.8	1010.6	1070.4	1151.8	1245.1	1315.7	1318.5	1193.5	927.3	613.3
105°	1317.9	1323.0	1356.2	1395.5	1443.2	1470.2	1450.5	1346.8	1130.3	832.9	552.2
107.5°	1527.9	1537.5	1548.6	1561.9	1561.1	1524.2	1433.4	1265.2	1019.7	749.7	513.3
110°	1614.2	1616.2	1618.3	1610.0	1581.0	1508.5	1378.0	1187.3	950.0	702.4	498.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1631.6	1631.1	1623.3	1597.6	1544.5	1451.3	1305.0	1110.2	889.6	670.9	490.1
115°	1602.8	1597.6	1576.8	1531.2	1453.6	1340.6	1188.3	1008.1	816.4	637.1	487.0
117.5°	1511.2	1504.1	1474.3	1422.1	1341.0	1226.5	1089.7	934.1	772.2	617.2	488.8
120°	1434.9	1428.7	1403.8	1345.8	1264.0	1159.3	1035.0	895.1	749.0	608.1	492.1
122.5°	1363.6	1355.8	1328.4	1276.2	1203.5	1106.3	991.0	864.4	730.0	602.4	497.9
125°	1264.0	1256.7	1230.8	1185.3	1118.9	1036.0	936.6	823.7	705.5	594.7	506.6
127.5°	1181.9	1175.3	1151.8	1112.9	1053.8	978.4	888.7	788.0	684.0	590.9	516.6
130°	1135.5	1127.2	1105.5	1068.2	1013.3	942.8	858.9	765.6	672.3	588.4	523.2
132.5°	1089.9	1084.1	1064.8	1027.5	976.0	908.8	830.7	744.9	661.6	587.6	528.2
135°	1024.7	1017.4	998.7	967.7	916.9	857.8	790.5	716.9	647.6	586.4	535.7
137.5°	955.6	950.8	935.1	903.7	860.9	809.8	751.7	691.4	635.3	584.1	540.6
140°	907.6	908.6	892.1	863.0	823.7	779.1	729.3	676.5	627.9	583.3	543.9
142.5°	862.8	863.8	848.9	823.2	789.7	750.9	707.8	662.5	621.2	581.7	546.4
145°	800.8	798.8	790.5	768.7	742.8	712.8	679.7	645.4	612.3	579.2	548.0
147.5°	749.8	749.0	741.2	726.5	706.8	685.5	658.7	631.6	603.6	575.2	548.0
150°	720.1	720.1	713.8	702.4	686.9	667.2	645.4	621.6	597.8	571.9	548.0
152.5°	695.2	695.2	691.4	680.9	668.7	652.3	633.0	612.5	591.2	567.8	545.5
155°	664.1	663.1	661.0	652.7	643.4	631.0	615.4	598.8	581.2	560.5	542.9
157.5°	635.7	635.9	634.3	628.0	619.9	610.2	598.2	584.3	570.0	554.1	539.4
160°	617.5	618.5	618.5	612.3	605.0	597.8	587.5	576.0	562.6	549.1	537.7
162.5°	600.9	601.9	601.9	596.6	591.7	585.3	575.9	566.1	555.1	544.1	534.4
165°	579.2	579.2	580.1	576.0	571.9	566.7	559.5	553.2	544.9	536.6	529.4
167.5°	558.4	558.4	559.5	556.5	554.7	551.0	546.8	542.1	535.2	529.2	524.4
170°	546.0	546.0	547.1	544.9	543.9	541.8	537.7	534.6	529.4	524.2	521.1
172.5°	534.4	535.2	537.1	535.0	534.8	533.6	530.2	528.0	523.6	520.0	518.6
175°	521.1	522.2	523.2	522.2	522.2	522.2	520.0	519.1	517.0	514.9	514.9
177.5°	513.4	513.4	515.1	514.2	515.1	515.1	514.2	513.4	512.6	511.8	512.6
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



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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°	17.7	17.5	15.8	13.8	12.7	11.0	10.5	9.4	9.0	9.5	9.7
90°	19.7	16.6	13.5	11.4	9.4	6.2	4.1	2.1	4.1	6.2	9.4
92.5°	131.6	87.0	59.9	44.6	35.8	27.7	19.1	12.8	19.1	27.7	35.8
95°	377.1	222.7	134.6	94.3	67.3	49.8	38.3	35.2	38.3	49.8	67.3
97.5°	413.8	239.8	155.6	111.9	85.3	70.0	61.1	60.1	61.1	70.0	85.3
100°	390.6	237.3	164.7	124.3	99.4	85.0	77.7	76.7	77.7	85.0	99.4
102.5°	370.7	240.6	175.5	138.4	116.0	102.4	95.9	94.1	95.9	102.4	116.0
105°	356.4	249.7	193.8	161.6	142.0	129.5	123.3	120.2	123.3	129.5	142.0
107.5°	355.3	266.7	217.6	187.7	169.2	157.0	151.1	147.9	151.1	157.0	169.2
110°	359.5	280.8	234.2	205.1	187.5	176.1	170.9	167.8	170.9	176.1	187.5



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	367.8	294.9	251.6	223.4	205.7	194.4	189.2	186.1	189.2	194.4	205.7
115°	381.3	318.1	278.7	250.7	233.1	222.7	216.5	212.4	216.5	222.7	233.1
117.5°	399.0	342.7	303.8	277.9	258.2	248.6	243.4	238.7	243.4	248.6	258.2
120°	412.3	358.5	321.2	295.2	275.6	265.2	260.0	256.9	260.0	265.2	275.6
122.5°	424.8	375.1	338.6	311.0	292.1	281.0	275.8	272.7	275.8	281.0	292.1
125°	444.4	398.9	362.6	334.7	315.0	303.5	297.4	295.2	297.4	303.5	315.0
127.5°	460.7	419.5	384.6	356.6	334.8	323.2	315.6	312.5	315.6	323.2	334.8
130°	471.4	432.0	397.8	369.9	348.1	335.6	326.4	323.2	326.4	335.6	348.1
132.5°	481.3	442.8	409.5	382.3	360.5	345.6	335.5	331.5	335.5	345.6	360.5
135°	494.2	459.0	426.9	398.9	377.1	361.6	350.2	346.1	350.2	361.6	377.1
137.5°	503.7	470.1	439.3	413.4	391.8	375.2	364.1	359.7	364.1	375.2	391.8
140°	508.7	477.6	447.5	421.7	400.9	384.3	374.0	368.8	374.0	384.3	400.9
142.5°	513.6	483.4	454.2	430.0	409.2	394.3	383.2	378.8	383.2	394.3	409.2
145°	519.1	491.1	464.1	440.3	422.7	407.2	397.8	394.8	397.8	407.2	422.7
147.5°	522.4	497.3	472.6	452.4	435.3	421.9	412.8	410.9	412.8	421.9	435.3
150°	523.2	501.4	477.6	459.0	444.4	431.0	422.7	421.7	422.7	431.0	444.4
152.5°	524.9	503.9	483.4	465.6	452.7	441.0	432.7	432.5	432.7	441.0	452.7
155°	525.3	508.7	491.1	476.5	465.2	454.9	448.6	448.6	448.6	454.9	465.2
157.5°	526.3	511.4	497.3	486.1	476.4	467.3	462.3	461.5	462.3	467.3	476.4
160°	526.3	513.9	501.4	491.1	483.8	475.5	471.4	471.4	471.4	475.5	483.8
162.5°	525.5	514.7	503.9	495.3	488.8	482.1	478.8	478.8	478.8	482.1	488.8
165°	523.2	515.9	507.7	500.4	496.2	491.1	489.0	490.1	489.0	491.1	496.2
167.5°	521.6	515.8	509.7	505.2	502.3	498.3	497.3	498.6	497.3	498.3	502.3
170°	519.1	514.9	509.7	507.7	505.6	502.5	501.4	503.5	501.4	502.5	505.6
172.5°	518.3	514.9	510.6	509.3	508.1	505.8	505.6	506.8	505.6	505.8	508.1
175°	515.9	513.9	511.8	510.8	510.8	508.7	509.7	510.8	509.7	508.7	510.8
177.5°	514.2	512.6	511.8	511.8	511.8	511.0	511.8	512.6	511.8	511.0	511.8
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-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°	9.7	10.5	10.8	11.8	12.0	13.0	12.8	12.3	12.5	13.8	12.8
90°	11.4	13.5	16.6	19.7	22.8	25.9	24.9	25.9	26.9	28.0	30.1
92.5°	44.6	59.9	87.0	131.6	175.3	159.3	120.2	87.2	69.2	61.1	55.7
95°	94.3	134.6	222.7	377.1	547.1	614.4	498.3	373.0	252.8	197.9	160.6
97.5°	111.9	155.6	239.8	413.8	697.1	952.1	1018.6	929.7	744.7	611.1	487.1
100°	124.3	164.7	237.3	390.6	663.1	981.1	1185.3	1221.5	1137.6	1016.4	869.2
102.5°	138.4	175.5	240.6	370.7	613.3	927.3	1193.5	1318.5	1315.7	1245.1	1151.8
105°	161.6	193.8	249.7	356.4	552.2	832.9	1130.3	1346.8	1450.5	1470.2	1443.2
107.5°	187.7	217.6	266.7	355.3	513.3	749.7	1019.7	1265.2	1433.4	1524.2	1561.1
110°	205.1	234.2	280.8	359.5	498.3	702.4	950.0	1187.3	1378.0	1508.5	1581.0



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	223.4	251.6	294.9	367.8	490.1	670.9	889.6	1110.2	1305.0	1451.3	1544.5
115°	250.7	278.7	318.1	381.3	487.0	637.1	816.4	1008.1	1188.3	1340.6	1453.6
117.5°	277.9	303.8	342.7	399.0	488.8	617.2	772.2	934.1	1089.7	1226.5	1341.0
120°	295.2	321.2	358.5	412.3	492.1	608.1	749.0	895.1	1035.0	1159.3	1264.0
122.5°	311.0	338.6	375.1	424.8	497.9	602.4	730.0	864.4	991.0	1106.3	1203.5
125°	334.7	362.6	398.9	444.4	506.6	594.7	705.5	823.7	936.6	1036.0	1118.9
127.5°	356.6	384.6	419.5	460.7	516.6	590.9	684.0	788.0	888.7	978.4	1053.8
130°	369.9	397.8	432.0	471.4	523.2	588.4	672.3	765.6	858.9	942.8	1013.3
132.5°	382.3	409.5	442.8	481.3	528.2	587.6	661.6	744.9	830.7	908.8	976.0
135°	398.9	426.9	459.0	494.2	535.7	586.4	647.6	716.9	790.5	857.8	916.9
137.5°	413.4	439.3	470.1	503.7	540.6	584.1	635.3	691.4	751.7	809.8	860.9
140°	421.7	447.5	477.6	508.7	543.9	583.3	627.9	676.5	729.3	779.1	823.7
142.5°	430.0	454.2	483.4	513.6	546.4	581.7	621.2	662.5	707.8	750.9	789.7
145°	440.3	464.1	491.1	519.1	548.0	579.2	612.3	645.4	679.7	712.8	742.8
147.5°	452.4	472.6	497.3	522.4	548.0	575.2	603.6	631.6	658.7	685.5	706.8
150°	459.0	477.6	501.4	523.2	548.0	571.9	597.8	621.6	645.4	667.2	686.9
152.5°	465.6	483.4	503.9	524.9	545.5	567.8	591.2	612.5	633.0	652.3	668.7
155°	476.5	491.1	508.7	525.3	542.9	560.5	581.2	598.8	615.4	631.0	643.4
157.5°	486.1	497.3	511.4	526.3	539.4	554.1	570.0	584.3	598.2	610.2	619.9
160°	491.1	501.4	513.9	526.3	537.7	549.1	562.6	576.0	587.5	597.8	605.0
162.5°	495.3	503.9	514.7	525.5	534.4	544.1	555.1	566.1	575.9	585.3	591.7
165°	500.4	507.7	515.9	523.2	529.4	536.6	544.9	553.2	559.5	566.7	571.9
167.5°	505.2	509.7	515.8	521.6	524.4	529.2	535.2	542.1	546.8	551.0	554.7
170°	507.7	509.7	514.9	519.1	521.1	524.2	529.4	534.6	537.7	541.8	543.9
172.5°	509.3	510.6	514.9	518.3	518.6	520.0	523.6	528.0	530.2	533.6	534.8
175°	510.8	511.8	513.9	515.9	514.9	514.9	517.0	519.1	520.0	522.2	522.2
177.5°	511.8	511.8	512.6	514.2	512.6	511.8	512.6	513.4	514.2	515.1	515.1
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-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°	12.5	12.8	12.6	11.9	12.6	12.8	12.5	12.8	13.8	12.5	12.3
90°	29.0	30.1	31.1	30.1	31.1	30.1	29.0	30.1	28.0	26.9	25.9
92.5°	53.9	50.7	51.8	49.9	51.8	50.7	53.9	55.7	61.1	69.2	87.2
95°	140.9	131.6	124.3	120.2	124.3	131.6	140.9	160.6	197.9	252.8	373.0
97.5°	410.7	364.1	336.1	327.2	336.1	364.1	410.7	487.1	611.1	744.7	929.7
100°	764.6	688.9	648.5	649.6	648.5	688.9	764.6	869.2	1016.4	1137.6	1221.5
102.5°	1070.4	1010.6	976.8	953.0	976.8	1010.6	1070.4	1151.8	1245.1	1315.7	1318.5
105°	1395.5	1356.2	1323.0	1317.9	1323.0	1356.2	1395.5	1443.2	1470.2	1450.5	1346.8
107.5°	1561.9	1548.6	1537.5	1527.9	1537.5	1548.6	1561.9	1561.1	1524.2	1433.4	1265.2
110°	1610.0	1618.3	1616.2	1614.2	1616.2	1618.3	1610.0	1581.0	1508.5	1378.0	1187.3



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1597.6	1623.3	1631.1	1631.6	1631.1	1623.3	1597.6	1544.5	1451.3	1305.0	1110.2
115°	1531.2	1576.8	1597.6	1602.8	1597.6	1576.8	1531.2	1453.6	1340.6	1188.3	1008.1
117.5°	1422.1	1474.3	1504.1	1511.2	1504.1	1474.3	1422.1	1341.0	1226.5	1089.7	934.1
120°	1345.8	1403.8	1428.7	1434.9	1428.7	1403.8	1345.8	1264.0	1159.3	1035.0	895.1
122.5°	1276.2	1328.4	1355.8	1363.6	1355.8	1328.4	1276.2	1203.5	1106.3	991.0	864.4
125°	1185.3	1230.8	1256.7	1264.0	1256.7	1230.8	1185.3	1118.9	1036.0	936.6	823.7
127.5°	1112.9	1151.8	1175.3	1181.9	1175.3	1151.8	1112.9	1053.8	978.4	888.7	788.0
130°	1068.2	1105.5	1127.2	1135.5	1127.2	1105.5	1068.2	1013.3	942.8	858.9	765.6
132.5°	1027.5	1064.8	1084.1	1089.9	1084.1	1064.8	1027.5	976.0	908.8	830.7	744.9
135°	967.7	998.7	1017.4	1024.7	1017.4	998.7	967.7	916.9	857.8	790.5	716.9
137.5°	903.7	935.1	950.8	955.6	950.8	935.1	903.7	860.9	809.8	751.7	691.4
140°	863.0	892.1	908.6	907.6	908.6	892.1	863.0	823.7	779.1	729.3	676.5
142.5°	823.2	848.9	863.8	862.8	863.8	848.9	823.2	789.7	750.9	707.8	662.5
145°	768.7	790.5	798.8	800.8	798.8	790.5	768.7	742.8	712.8	679.7	645.4
147.5°	726.5	741.2	749.0	749.8	749.0	741.2	726.5	706.8	685.5	658.7	631.6
150°	702.4	713.8	720.1	720.1	720.1	713.8	702.4	686.9	667.2	645.4	621.6
152.5°	680.9	691.4	695.2	695.2	695.2	691.4	680.9	668.7	652.3	633.0	612.5
155°	652.7	661.0	663.1	664.1	663.1	661.0	652.7	643.4	631.0	615.4	598.8
157.5°	628.0	634.3	635.9	635.7	635.9	634.3	628.0	619.9	610.2	598.2	584.3
160°	612.3	618.5	618.5	617.5	618.5	618.5	612.3	605.0	597.8	587.5	576.0
162.5°	596.6	601.9	601.9	600.9	601.9	601.9	596.6	591.7	585.3	575.9	566.1
165°	576.0	580.1	579.2	579.2	579.2	580.1	576.0	571.9	566.7	559.5	553.2
167.5°	556.5	559.5	558.4	558.4	558.4	559.5	556.5	554.7	551.0	546.8	542.1
170°	544.9	547.1	546.0	546.0	546.0	547.1	544.9	543.9	541.8	537.7	534.6
172.5°	535.0	537.1	535.2	534.4	535.2	537.1	535.0	534.8	533.6	530.2	528.0
175°	522.2	523.2	522.2	521.1	522.2	523.2	522.2	522.2	522.2	520.0	519.1
177.5°	514.2	515.1	513.4	513.4	513.4	515.1	514.2	515.1	515.1	514.2	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-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°	12.8	13.0	12.0	11.8	10.8	10.5	9.7	9.7	9.5	9.0	9.4
90°	24.9	25.9	22.8	19.7	16.6	13.5	11.4	9.4	6.2	4.1	2.1
92.5°	120.2	159.3	175.3	131.6	87.0	59.9	44.6	35.8	27.7	19.1	12.8
95°	498.3	614.4	547.1	377.1	222.7	134.6	94.3	67.3	49.8	38.3	35.2
97.5°	1018.6	952.1	697.1	413.8	239.8	155.6	111.9	85.3	70.0	61.1	60.1
100°	1185.3	981.1	663.1	390.6	237.3	164.7	124.3	99.4	85.0	77.7	76.7
102.5°	1193.5	927.3	613.3	370.7	240.6	175.5	138.4	116.0	102.4	95.9	94.1
105°	1130.3	832.9	552.2	356.4	249.7	193.8	161.6	142.0	129.5	123.3	120.2
107.5°	1019.7	749.7	513.3	355.3	266.7	217.6	187.7	169.2	157.0	151.1	147.9
110°	950.0	702.4	498.3	359.5	280.8	234.2	205.1	187.5	176.1	170.9	167.8



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	889.6	670.9	490.1	367.8	294.9	251.6	223.4	205.7	194.4	189.2	186.1
115°	816.4	637.1	487.0	381.3	318.1	278.7	250.7	233.1	222.7	216.5	212.4
117.5°	772.2	617.2	488.8	399.0	342.7	303.8	277.9	258.2	248.6	243.4	238.7
120°	749.0	608.1	492.1	412.3	358.5	321.2	295.2	275.6	265.2	260.0	256.9
122.5°	730.0	602.4	497.9	424.8	375.1	338.6	311.0	292.1	281.0	275.8	272.7
125°	705.5	594.7	506.6	444.4	398.9	362.6	334.7	315.0	303.5	297.4	295.2
127.5°	684.0	590.9	516.6	460.7	419.5	384.6	356.6	334.8	323.2	315.6	312.5
130°	672.3	588.4	523.2	471.4	432.0	397.8	369.9	348.1	335.6	326.4	323.2
132.5°	661.6	587.6	528.2	481.3	442.8	409.5	382.3	360.5	345.6	335.5	331.5
135°	647.6	586.4	535.7	494.2	459.0	426.9	398.9	377.1	361.6	350.2	346.1
137.5°	635.3	584.1	540.6	503.7	470.1	439.3	413.4	391.8	375.2	364.1	359.7
140°	627.9	583.3	543.9	508.7	477.6	447.5	421.7	400.9	384.3	374.0	368.8
142.5°	621.2	581.7	546.4	513.6	483.4	454.2	430.0	409.2	394.3	383.2	378.8
145°	612.3	579.2	548.0	519.1	491.1	464.1	440.3	422.7	407.2	397.8	394.8
147.5°	603.6	575.2	548.0	522.4	497.3	472.6	452.4	435.3	421.9	412.8	410.9
150°	597.8	571.9	548.0	523.2	501.4	477.6	459.0	444.4	431.0	422.7	421.7
152.5°	591.2	567.8	545.5	524.9	503.9	483.4	465.6	452.7	441.0	432.7	432.5
155°	581.2	560.5	542.9	525.3	508.7	491.1	476.5	465.2	454.9	448.6	448.6
157.5°	570.0	554.1	539.4	526.3	511.4	497.3	486.1	476.4	467.3	462.3	461.5
160°	562.6	549.1	537.7	526.3	513.9	501.4	491.1	483.8	475.5	471.4	471.4
162.5°	555.1	544.1	534.4	525.5	514.7	503.9	495.3	488.8	482.1	478.8	478.8
165°	544.9	536.6	529.4	523.2	515.9	507.7	500.4	496.2	491.1	489.0	490.1
167.5°	535.2	529.2	524.4	521.6	515.8	509.7	505.2	502.3	498.3	497.3	498.6
170°	529.4	524.2	521.1	519.1	514.9	509.7	507.7	505.6	502.5	501.4	503.5
172.5°	523.6	520.0	518.6	518.3	514.9	510.6	509.3	508.1	505.8	505.6	506.8
175°	517.0	514.9	514.9	515.9	513.9	511.8	510.8	510.8	508.7	509.7	510.8
177.5°	512.6	511.8	512.6	514.2	512.6	511.8	511.8	511.8	511.0	511.8	512.6
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



TEST NUMBER: P331993-940

CATALOG NUMBER: S123DIP-S775D1195U940-4F0-1E-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°	10.5	11.0	12.7	13.8	15.8	17.5	17.7	17.7	17.8	17.3	17.1
90°	4.1	6.2	9.4	11.4	13.5	16.6	19.7	22.8	25.9	24.9	25.9
92.5°	19.1	27.7	35.8	44.6	59.9	87.0	131.6	175.3	159.3	120.2	87.2
95°	38.3	49.8	67.3	94.3	134.6	222.7	377.1	547.1	614.4	498.3	373.0
97.5°	61.1	70.0	85.3	111.9	155.6	239.8	413.8	697.1	952.1	1018.6	929.7
100°	77.7	85.0	99.4	124.3	164.7	237.3	390.6	663.1	981.1	1185.3	1221.5
102.5°	95.9	102.4	116.0	138.4	175.5	240.6	370.7	613.3	927.3	1193.5	1318.5
105°	123.3	129.5	142.0	161.6	193.8	249.7	356.4	552.2	832.9	1130.3	1346.8
107.5°	151.1	157.0	169.2	187.7	217.6	266.7	355.3	513.3	749.7	1019.7	1265.2
110°	170.9	176.1	187.5	205.1	234.2	280.8	359.5	498.3	702.4	950.0	1187.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.2	194.4	205.7	223.4	251.6	294.9	367.8	490.1	670.9	889.6	1110.2
115°	216.5	222.7	233.1	250.7	278.7	318.1	381.3	487.0	637.1	816.4	1008.1
117.5°	243.4	248.6	258.2	277.9	303.8	342.7	399.0	488.8	617.2	772.2	934.1
120°	260.0	265.2	275.6	295.2	321.2	358.5	412.3	492.1	608.1	749.0	895.1
122.5°	275.8	281.0	292.1	311.0	338.6	375.1	424.8	497.9	602.4	730.0	864.4
125°	297.4	303.5	315.0	334.7	362.6	398.9	444.4	506.6	594.7	705.5	823.7
127.5°	315.6	323.2	334.8	356.6	384.6	419.5	460.7	516.6	590.9	684.0	788.0
130°	326.4	335.6	348.1	369.9	397.8	432.0	471.4	523.2	588.4	672.3	765.6
132.5°	335.5	345.6	360.5	382.3	409.5	442.8	481.3	528.2	587.6	661.6	744.9
135°	350.2	361.6	377.1	398.9	426.9	459.0	494.2	535.7	586.4	647.6	716.9
137.5°	364.1	375.2	391.8	413.4	439.3	470.1	503.7	540.6	584.1	635.3	691.4
140°	374.0	384.3	400.9	421.7	447.5	477.6	508.7	543.9	583.3	627.9	676.5
142.5°	383.2	394.3	409.2	430.0	454.2	483.4	513.6	546.4	581.7	621.2	662.5
145°	397.8	407.2	422.7	440.3	464.1	491.1	519.1	548.0	579.2	612.3	645.4
147.5°	412.8	421.9	435.3	452.4	472.6	497.3	522.4	548.0	575.2	603.6	631.6
150°	422.7	431.0	444.4	459.0	477.6	501.4	523.2	548.0	571.9	597.8	621.6
152.5°	432.7	441.0	452.7	465.6	483.4	503.9	524.9	545.5	567.8	591.2	612.5
155°	448.6	454.9	465.2	476.5	491.1	508.7	525.3	542.9	560.5	581.2	598.8
157.5°	462.3	467.3	476.4	486.1	497.3	511.4	526.3	539.4	554.1	570.0	584.3
160°	471.4	475.5	483.8	491.1	501.4	513.9	526.3	537.7	549.1	562.6	576.0
162.5°	478.8	482.1	488.8	495.3	503.9	514.7	525.5	534.4	544.1	555.1	566.1
165°	489.0	491.1	496.2	500.4	507.7	515.9	523.2	529.4	536.6	544.9	553.2
167.5°	497.3	498.3	502.3	505.2	509.7	515.8	521.6	524.4	529.2	535.2	542.1
170°	501.4	502.5	505.6	507.7	509.7	514.9	519.1	521.1	524.2	529.4	534.6
172.5°	505.6	505.8	508.1	509.3	510.6	514.9	518.3	518.6	520.0	523.6	528.0
175°	509.7	508.7	510.8	510.8	511.8	513.9	515.9	514.9	514.9	517.0	519.1
177.5°	511.8	511.0	511.8	511.8	511.8	512.6	514.2	512.6	511.8	512.6	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8



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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°	16.9	16.8	16.9	17.0	16.9	16.7	17.2
90°	26.9	28.0	30.1	29.0	30.1	31.1	30.1
92.5°	69.2	61.1	55.7	53.9	50.7	51.8	49.9
95°	252.8	197.9	160.6	140.9	131.6	124.3	120.2
97.5°	744.7	611.1	487.1	410.7	364.1	336.1	327.2
100°	1137.6	1016.4	869.2	764.6	688.9	648.5	649.6
102.5°	1315.7	1245.1	1151.8	1070.4	1010.6	976.8	953.0
105°	1450.5	1470.2	1443.2	1395.5	1356.2	1323.0	1317.9
107.5°	1433.4	1524.2	1561.1	1561.9	1548.6	1537.5	1527.9
110°	1378.0	1508.5	1581.0	1610.0	1618.3	1616.2	1614.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1305.0	1451.3	1544.5	1597.6	1623.3	1631.1	1631.6
115°	1188.3	1340.6	1453.6	1531.2	1576.8	1597.6	1602.8
117.5°	1089.7	1226.5	1341.0	1422.1	1474.3	1504.1	1511.2
120°	1035.0	1159.3	1264.0	1345.8	1403.8	1428.7	1434.9
122.5°	991.0	1106.3	1203.5	1276.2	1328.4	1355.8	1363.6
125°	936.6	1036.0	1118.9	1185.3	1230.8	1256.7	1264.0
127.5°	888.7	978.4	1053.8	1112.9	1151.8	1175.3	1181.9
130°	858.9	942.8	1013.3	1068.2	1105.5	1127.2	1135.5
132.5°	830.7	908.8	976.0	1027.5	1064.8	1084.1	1089.9
135°	790.5	857.8	916.9	967.7	998.7	1017.4	1024.7
137.5°	751.7	809.8	860.9	903.7	935.1	950.8	955.6
140°	729.3	779.1	823.7	863.0	892.1	908.6	907.6
142.5°	707.8	750.9	789.7	823.2	848.9	863.8	862.8
145°	679.7	712.8	742.8	768.7	790.5	798.8	800.8
147.5°	658.7	685.5	706.8	726.5	741.2	749.0	749.8
150°	645.4	667.2	686.9	702.4	713.8	720.1	720.1
152.5°	633.0	652.3	668.7	680.9	691.4	695.2	695.2
155°	615.4	631.0	643.4	652.7	661.0	663.1	664.1
157.5°	598.2	610.2	619.9	628.0	634.3	635.9	635.7
160°	587.5	597.8	605.0	612.3	618.5	618.5	617.5
162.5°	575.9	585.3	591.7	596.6	601.9	601.9	600.9
165°	559.5	566.7	571.9	576.0	580.1	579.2	579.2
167.5°	546.8	551.0	554.7	556.5	559.5	558.4	558.4
170°	537.7	541.8	543.9	544.9	547.1	546.0	546.0
172.5°	530.2	533.6	534.8	535.0	537.1	535.2	534.4
175°	520.0	522.2	522.2	522.2	523.2	522.2	521.1
177.5°	514.2	515.1	515.1	514.2	515.1	513.4	513.4
180°	511.8	511.8	511.8	511.8	511.8	511.8	511.8

(END OF REPORT)