

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: P331984-940

Luminaire Tested: **S123DIP-S775D1025U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331984-940
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-S775D1025U940-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6219.7 lumens
Efficiency: N/A
Efficacy: 119.6 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

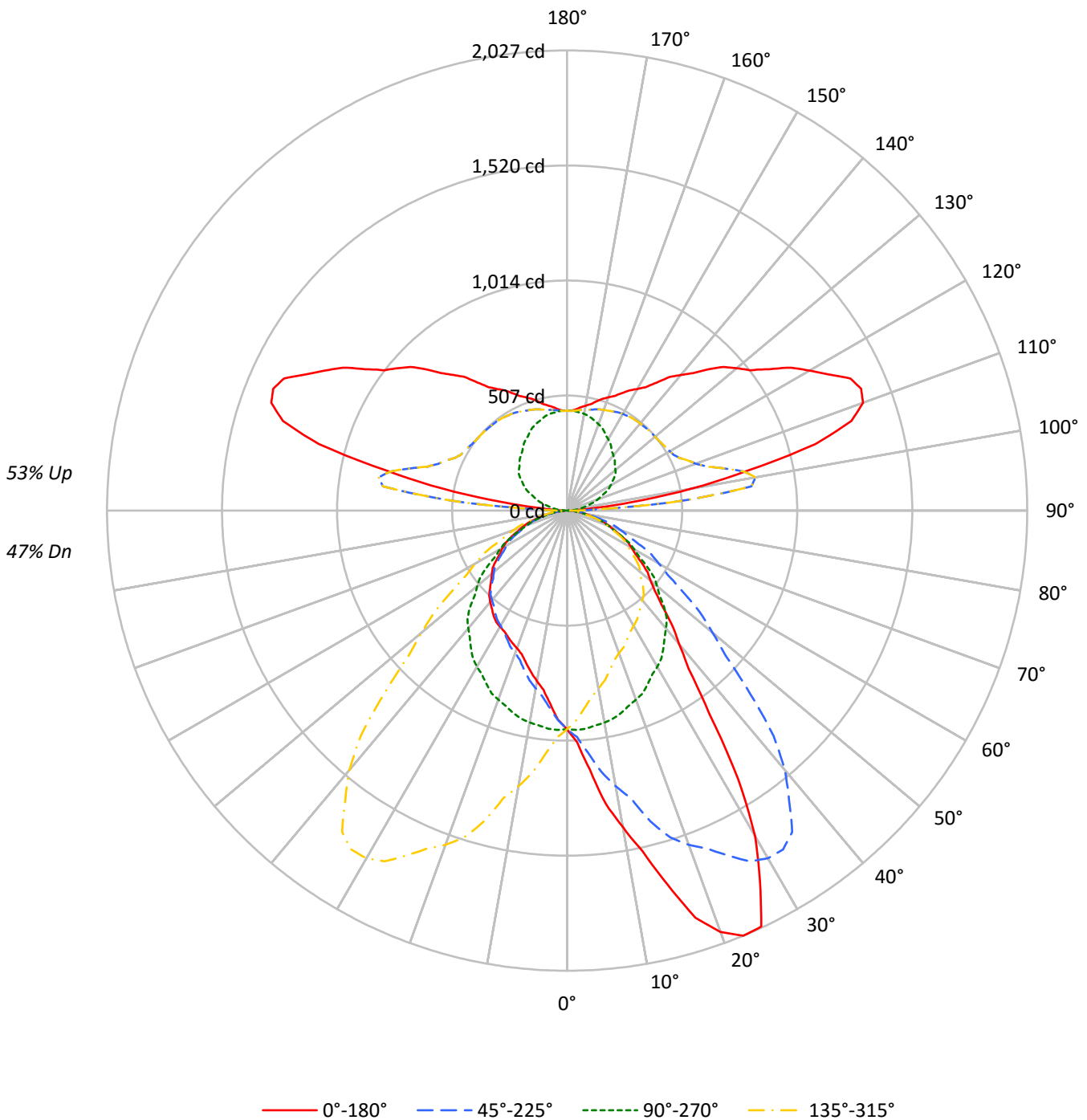
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	97	93	89	86	89	86	82	80	72	70	67	59	58	56	47	46	45	40
2	89	82	76	71	81	75	70	66	63	59	56	52	50	47	42	40	39	34
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29	25
5	68	57	49	43	62	53	46	40	45	39	35	37	33	30	30	27	25	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	24	22	19
7	58	46	38	33	53	43	36	31	36	31	27	31	26	23	25	22	20	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12

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	1.5
10°-20°	304.3	4.9
20°-30°	510.8	8.2
30°-40°	578.4	9.3
40°-50°	518.7	8.3
50°-60°	418.6	6.7
60°-70°	291.7	4.7
70°-80°	153.3	2.5
80°-90°	40.9	0.7
90°-100°	244.7	3.9
100°-110°	692.9	11.1
110°-120°	681.6	11.0
120°-130°	543.7	8.7
130°-140°	428.7	6.9
140°-150°	319.9	5.1
150°-160°	223.0	3.6
160°-170°	131.0	2.1
170°-180°	42.6	0.7
0°-30°	910.1	14.6
0°-40°	1488.4	23.9
0°-60°	2425.7	39.0
0°-90°	2911.5	46.8
90°-120°	1619.2	26.0
90°-150°	2911.5	46.8
90°-180°	3308.0	53.2
0°-180°	6219.7	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°	26	2	26	2	26	15
95°	103	30	103	30	103	186
105°	1132	103	1132	103	1132	1117
115°	1377	182	1377	182	1377	1338
125°	1086	254	1086	254	1086	984
135°	880	297	880	297	880	683
145°	688	339	688	339	688	438
155°	570	385	570	385	570	266
165°	498	421	498	421	498	142
175°	448	439	448	439	448	43
180°	440	440	440	440	440	



TEST NUMBER: P331984-940

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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°	16.4	15.8	16.0	16.2	16.0	16.1	16.2	16.4	16.6	17.1	17.0
90°	25.8	26.7	25.8	24.9	25.8	24.1	23.2	22.3	21.4	22.3	19.6
92.5°	42.9	44.5	43.6	46.3	47.9	52.5	59.5	74.9	103.3	136.9	150.6
95°	103.3	106.8	113.1	121.1	137.9	170.0	217.2	320.4	428.1	527.8	469.9
97.5°	281.1	288.7	312.8	352.8	418.5	525.0	639.8	798.8	875.1	818.0	598.9
100°	558.1	557.2	591.9	656.9	746.8	873.2	977.3	1049.5	1018.2	842.9	569.6
102.5°	818.7	839.2	868.2	919.6	989.6	1069.7	1130.4	1132.7	1025.4	796.7	526.9
105°	1132.2	1136.7	1165.1	1198.9	1239.9	1263.0	1246.2	1157.1	971.1	715.6	474.4
107.5°	1312.7	1320.9	1330.5	1341.9	1341.2	1309.5	1231.5	1087.0	876.0	644.1	441.0
110°	1386.8	1388.6	1390.4	1383.2	1358.3	1295.9	1183.8	1020.0	816.2	603.5	428.1



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1401.7	1401.3	1394.5	1372.5	1327.0	1246.8	1121.1	953.8	764.2	576.4	421.0
115°	1377.0	1372.5	1354.7	1315.5	1248.8	1151.7	1020.9	866.0	701.4	547.4	418.3
117.5°	1298.2	1292.3	1266.6	1221.7	1152.1	1053.6	936.2	802.5	663.4	530.3	419.9
120°	1232.8	1227.4	1206.0	1156.2	1085.9	996.0	889.2	769.0	643.5	522.5	422.8
122.5°	1171.5	1164.8	1141.3	1096.4	1033.9	950.5	851.5	742.7	627.1	517.5	427.8
125°	1085.9	1079.7	1057.4	1018.2	961.3	890.1	804.7	707.7	606.2	511.0	435.2
127.5°	1015.4	1009.7	989.6	956.1	905.4	840.6	763.5	677.0	587.6	507.7	443.8
130°	975.5	968.4	949.8	917.7	870.5	809.9	737.9	657.8	577.7	505.6	449.5
132.5°	936.4	931.4	914.8	882.8	838.5	780.8	713.6	640.0	568.4	504.9	453.8
135°	880.3	874.1	858.0	831.3	787.7	737.0	679.1	615.9	556.3	503.8	460.2
137.5°	821.0	816.9	803.4	776.3	739.7	695.7	645.9	594.1	545.8	501.9	464.4
140°	779.7	780.6	766.3	741.5	707.7	669.3	626.6	581.2	539.4	501.1	467.3
142.5°	741.3	742.2	729.3	707.3	678.4	645.2	608.1	569.1	533.7	499.7	469.4
145°	688.0	686.3	679.1	660.4	638.2	612.3	583.9	554.6	526.0	497.6	470.8
147.5°	644.3	643.5	636.8	624.1	607.3	588.9	565.9	542.6	518.5	494.2	470.8
150°	618.6	618.6	613.2	603.5	590.1	573.2	554.6	534.0	513.5	491.3	470.8
152.5°	597.3	597.3	594.1	585.0	574.4	560.4	543.9	526.2	507.9	487.8	468.7
155°	570.5	569.6	567.8	560.8	552.8	542.1	528.7	514.4	499.4	481.5	466.4
157.5°	546.2	546.4	544.9	539.6	532.6	524.2	513.9	502.0	489.7	476.0	463.4
160°	530.5	531.4	531.4	526.0	519.8	513.5	504.7	494.9	483.3	471.7	462.0
162.5°	516.2	517.1	517.1	512.6	508.5	502.9	494.7	486.3	476.9	467.4	459.1
165°	497.6	497.6	498.5	494.9	491.3	486.9	480.6	475.3	468.1	461.1	454.9
167.5°	479.7	479.7	480.6	478.1	476.5	473.3	469.8	465.7	459.9	454.7	450.6
170°	469.0	469.0	469.9	468.1	467.3	465.5	462.0	459.3	454.9	450.4	447.7
172.5°	459.1	459.9	461.5	459.7	459.5	458.4	455.6	453.6	449.9	446.8	445.6
175°	447.7	448.6	449.5	448.6	448.6	448.6	446.8	445.9	444.2	442.4	442.4
177.5°	441.1	441.1	442.6	441.8	442.6	442.6	441.8	441.1	440.4	439.7	440.4
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

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°	17.2	17.0	15.4	13.6	12.4	10.8	10.4	9.4	8.9	9.3	9.5
90°	16.9	14.3	11.6	9.8	8.0	5.4	3.6	1.8	3.6	5.4	8.0
92.5°	113.1	74.7	51.5	38.3	30.8	23.9	16.4	11.1	16.4	23.9	30.8
95°	324.0	191.4	115.7	81.0	57.9	42.7	32.9	30.2	32.9	42.7	57.9
97.5°	355.5	206.0	133.7	96.1	73.3	60.2	52.5	51.6	52.5	60.2	73.3
100°	335.6	203.8	141.5	106.8	85.4	73.0	66.8	65.9	66.8	73.0	85.4
102.5°	318.4	206.7	150.8	119.0	99.7	87.9	82.4	80.8	82.4	87.9	99.7
105°	306.2	214.5	166.5	138.8	122.0	111.3	105.9	103.3	105.9	111.3	122.0
107.5°	305.3	229.1	186.9	161.3	145.4	134.9	129.7	127.1	129.7	134.9	145.4
110°	308.9	241.2	201.2	176.2	161.1	151.3	146.9	144.2	146.9	151.3	161.1



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	316.0	253.3	216.2	191.9	176.7	167.0	162.6	159.9	162.6	167.0	176.7
115°	327.5	273.2	239.4	215.4	200.3	191.4	186.0	182.4	186.0	191.4	200.3
117.5°	342.9	294.4	261.0	238.7	221.8	213.7	209.2	205.1	209.2	213.7	221.8
120°	354.3	308.0	275.9	253.7	236.7	227.8	223.4	220.7	223.4	227.8	236.7
122.5°	365.0	322.2	290.9	267.2	251.0	241.4	236.9	234.3	236.9	241.4	251.0
125°	381.8	342.7	311.6	287.5	270.5	260.8	255.5	253.7	255.5	260.8	270.5
127.5°	395.7	360.5	330.4	306.4	287.7	277.7	271.1	268.5	271.1	277.7	287.7
130°	405.0	371.1	341.8	317.7	299.1	288.4	280.4	277.7	280.4	288.4	299.1
132.5°	413.6	380.4	351.8	328.4	309.8	296.9	288.2	284.8	288.2	296.9	309.8
135°	424.5	394.3	366.7	342.7	324.0	310.7	300.9	297.3	300.9	310.7	324.0
137.5°	432.7	403.9	377.4	355.2	336.6	322.4	312.8	309.1	312.8	322.4	336.6
140°	437.0	410.4	384.5	362.3	344.5	330.2	321.3	316.9	321.3	330.2	344.5
142.5°	441.3	415.4	390.2	369.3	351.6	338.8	329.1	325.4	329.1	338.8	351.6
145°	445.9	421.9	398.8	378.3	363.2	349.8	341.8	339.1	341.8	349.8	363.2
147.5°	448.8	427.2	406.1	388.6	374.0	362.5	354.6	353.0	354.6	362.5	374.0
150°	449.5	430.8	410.4	394.3	381.8	370.2	363.2	362.3	363.2	370.2	381.8
152.5°	450.9	432.9	415.4	400.0	389.0	378.8	371.7	371.5	371.7	378.8	389.0
155°	451.3	437.0	421.9	409.5	399.7	390.7	385.4	385.4	385.4	390.7	399.7
157.5°	452.2	439.3	427.2	417.6	409.3	401.4	397.2	396.5	397.2	401.4	409.3
160°	452.2	441.5	430.8	421.9	415.6	408.6	405.0	405.0	405.0	408.6	415.6
162.5°	451.5	442.2	432.9	425.4	419.9	414.3	411.4	411.4	411.4	414.3	419.9
165°	449.5	443.3	436.1	429.9	426.3	421.9	420.1	421.0	420.1	421.9	426.3
167.5°	448.1	443.1	437.9	434.0	431.5	428.1	427.2	428.3	427.2	428.1	431.5
170°	445.9	442.4	437.9	436.1	434.4	431.7	430.8	432.6	430.8	431.7	434.4
172.5°	445.2	442.4	438.6	437.6	436.5	434.5	434.4	435.4	434.4	434.5	436.5
175°	443.3	441.5	439.7	438.8	438.8	437.0	437.9	438.8	437.9	437.0	438.8
177.5°	441.8	440.4	439.7	439.7	439.7	439.0	439.7	440.4	439.7	439.0	439.7
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-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°	9.5	10.2	10.3	11.2	11.4	12.3	12.1	11.5	11.7	13.0	11.9
90°	9.8	11.6	14.3	16.9	19.6	22.3	21.4	22.3	23.2	24.1	25.8
92.5°	38.3	51.5	74.7	113.1	150.6	136.9	103.3	74.9	59.5	52.5	47.9
95°	81.0	115.7	191.4	324.0	469.9	527.8	428.1	320.4	217.2	170.0	137.9
97.5°	96.1	133.7	206.0	355.5	598.9	818.0	875.1	798.8	639.8	525.0	418.5
100°	106.8	141.5	203.8	335.6	569.6	842.9	1018.2	1049.5	977.3	873.2	746.8
102.5°	119.0	150.8	206.7	318.4	526.9	796.7	1025.4	1132.7	1130.4	1069.7	989.6
105°	138.8	166.5	214.5	306.2	474.4	715.6	971.1	1157.1	1246.2	1263.0	1239.9
107.5°	161.3	186.9	229.1	305.3	441.0	644.1	876.0	1087.0	1231.5	1309.5	1341.2
110°	176.2	201.2	241.2	308.9	428.1	603.5	816.2	1020.0	1183.8	1295.9	1358.3



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	191.9	216.2	253.3	316.0	421.0	576.4	764.2	953.8	1121.1	1246.8	1327.0
115°	215.4	239.4	273.2	327.5	418.3	547.4	701.4	866.0	1020.9	1151.7	1248.8
117.5°	238.7	261.0	294.4	342.9	419.9	530.3	663.4	802.5	936.2	1053.6	1152.1
120°	253.7	275.9	308.0	354.3	422.8	522.5	643.5	769.0	889.2	996.0	1085.9
122.5°	267.2	290.9	322.2	365.0	427.8	517.5	627.1	742.7	851.5	950.5	1033.9
125°	287.5	311.6	342.7	381.8	435.2	511.0	606.2	707.7	804.7	890.1	961.3
127.5°	306.4	330.4	360.5	395.7	443.8	507.7	587.6	677.0	763.5	840.6	905.4
130°	317.7	341.8	371.1	405.0	449.5	505.6	577.7	657.8	737.9	809.9	870.5
132.5°	328.4	351.8	380.4	413.6	453.8	504.9	568.4	640.0	713.6	780.8	838.5
135°	342.7	366.7	394.3	424.5	460.2	503.8	556.3	615.9	679.1	737.0	787.7
137.5°	355.2	377.4	403.9	432.7	464.4	501.9	545.8	594.1	645.9	695.7	739.7
140°	362.3	384.5	410.4	437.0	467.3	501.1	539.4	581.2	626.6	669.3	707.7
142.5°	369.3	390.2	415.4	441.3	469.4	499.7	533.7	569.1	608.1	645.2	678.4
145°	378.3	398.8	421.9	445.9	470.8	497.6	526.0	554.6	583.9	612.3	638.2
147.5°	388.6	406.1	427.2	448.8	470.8	494.2	518.5	542.6	565.9	588.9	607.3
150°	394.3	410.4	430.8	449.5	470.8	491.3	513.5	534.0	554.6	573.2	590.1
152.5°	400.0	415.4	432.9	450.9	468.7	487.8	507.9	526.2	543.9	560.4	574.4
155°	409.5	421.9	437.0	451.3	466.4	481.5	499.4	514.4	528.7	542.1	552.8
157.5°	417.6	427.2	439.3	452.2	463.4	476.0	489.7	502.0	513.9	524.2	532.6
160°	421.9	430.8	441.5	452.2	462.0	471.7	483.3	494.9	504.7	513.5	519.8
162.5°	425.4	432.9	442.2	451.5	459.1	467.4	476.9	486.3	494.7	502.9	508.5
165°	429.9	436.1	443.3	449.5	454.9	461.1	468.1	475.3	480.6	486.9	491.3
167.5°	434.0	437.9	443.1	448.1	450.6	454.7	459.9	465.7	469.8	473.3	476.5
170°	436.1	437.9	442.4	445.9	447.7	450.4	454.9	459.3	462.0	465.5	467.3
172.5°	437.6	438.6	442.4	445.2	445.6	446.8	449.9	453.6	455.6	458.4	459.5
175°	438.8	439.7	441.5	443.3	442.4	442.4	444.2	445.9	446.8	448.6	448.6
177.5°	439.7	439.7	440.4	441.8	440.4	439.7	440.4	441.1	441.8	442.6	442.6
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-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°	11.7	11.9	11.7	11.1	11.7	11.9	11.7	11.9	13.0	11.7	11.5
90°	24.9	25.8	26.7	25.8	26.7	25.8	24.9	25.8	24.1	23.2	22.3
92.5°	46.3	43.6	44.5	42.9	44.5	43.6	46.3	47.9	52.5	59.5	74.9
95°	121.1	113.1	106.8	103.3	106.8	113.1	121.1	137.9	170.0	217.2	320.4
97.5°	352.8	312.8	288.7	281.1	288.7	312.8	352.8	418.5	525.0	639.8	798.8
100°	656.9	591.9	557.2	558.1	557.2	591.9	656.9	746.8	873.2	977.3	1049.5
102.5°	919.6	868.2	839.2	818.7	839.2	868.2	919.6	989.6	1069.7	1130.4	1132.7
105°	1198.9	1165.1	1136.7	1132.2	1136.7	1165.1	1198.9	1239.9	1263.0	1246.2	1157.1
107.5°	1341.9	1330.5	1320.9	1312.7	1320.9	1330.5	1341.9	1341.2	1309.5	1231.5	1087.0
110°	1383.2	1390.4	1388.6	1386.8	1388.6	1390.4	1383.2	1358.3	1295.9	1183.8	1020.0



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1372.5	1394.5	1401.3	1401.7	1401.3	1394.5	1372.5	1327.0	1246.8	1121.1	953.8
115°	1315.5	1354.7	1372.5	1377.0	1372.5	1354.7	1315.5	1248.8	1151.7	1020.9	866.0
117.5°	1221.7	1266.6	1292.3	1298.2	1292.3	1266.6	1221.7	1152.1	1053.6	936.2	802.5
120°	1156.2	1206.0	1227.4	1232.8	1227.4	1206.0	1156.2	1085.9	996.0	889.2	769.0
122.5°	1096.4	1141.3	1164.8	1171.5	1164.8	1141.3	1096.4	1033.9	950.5	851.5	742.7
125°	1018.2	1057.4	1079.7	1085.9	1079.7	1057.4	1018.2	961.3	890.1	804.7	707.7
127.5°	956.1	989.6	1009.7	1015.4	1009.7	989.6	956.1	905.4	840.6	763.5	677.0
130°	917.7	949.8	968.4	975.5	968.4	949.8	917.7	870.5	809.9	737.9	657.8
132.5°	882.8	914.8	931.4	936.4	931.4	914.8	882.8	838.5	780.8	713.6	640.0
135°	831.3	858.0	874.1	880.3	874.1	858.0	831.3	787.7	737.0	679.1	615.9
137.5°	776.3	803.4	816.9	821.0	816.9	803.4	776.3	739.7	695.7	645.9	594.1
140°	741.5	766.3	780.6	779.7	780.6	766.3	741.5	707.7	669.3	626.6	581.2
142.5°	707.3	729.3	742.2	741.3	742.2	729.3	707.3	678.4	645.2	608.1	569.1
145°	660.4	679.1	686.3	688.0	686.3	679.1	660.4	638.2	612.3	583.9	554.6
147.5°	624.1	636.8	643.5	644.3	643.5	636.8	624.1	607.3	588.9	565.9	542.6
150°	603.5	613.2	618.6	618.6	618.6	613.2	603.5	590.1	573.2	554.6	534.0
152.5°	585.0	594.1	597.3	597.3	597.3	594.1	585.0	574.4	560.4	543.9	526.2
155°	560.8	567.8	569.6	570.5	569.6	567.8	560.8	552.8	542.1	528.7	514.4
157.5°	539.6	544.9	546.4	546.2	546.4	544.9	539.6	532.6	524.2	513.9	502.0
160°	526.0	531.4	531.4	530.5	531.4	531.4	526.0	519.8	513.5	504.7	494.9
162.5°	512.6	517.1	517.1	516.2	517.1	517.1	512.6	508.5	502.9	494.7	486.3
165°	494.9	498.5	497.6	497.6	497.6	498.5	494.9	491.3	486.9	480.6	475.3
167.5°	478.1	480.6	479.7	479.7	479.7	480.6	478.1	476.5	473.3	469.8	465.7
170°	468.1	469.9	469.0	469.0	469.0	469.9	468.1	467.3	465.5	462.0	459.3
172.5°	459.7	461.5	459.9	459.1	459.9	461.5	459.7	459.5	458.4	455.6	453.6
175°	448.6	449.5	448.6	447.7	448.6	449.5	448.6	448.6	448.6	446.8	445.9
177.5°	441.8	442.6	441.1	441.1	441.1	442.6	441.8	442.6	442.6	441.8	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-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°	12.1	12.3	11.4	11.2	10.3	10.2	9.5	9.5	9.3	8.9	9.4
90°	21.4	22.3	19.6	16.9	14.3	11.6	9.8	8.0	5.4	3.6	1.8
92.5°	103.3	136.9	150.6	113.1	74.7	51.5	38.3	30.8	23.9	16.4	11.1
95°	428.1	527.8	469.9	324.0	191.4	115.7	81.0	57.9	42.7	32.9	30.2
97.5°	875.1	818.0	598.9	355.5	206.0	133.7	96.1	73.3	60.2	52.5	51.6
100°	1018.2	842.9	569.6	335.6	203.8	141.5	106.8	85.4	73.0	66.8	65.9
102.5°	1025.4	796.7	526.9	318.4	206.7	150.8	119.0	99.7	87.9	82.4	80.8
105°	971.1	715.6	474.4	306.2	214.5	166.5	138.8	122.0	111.3	105.9	103.3
107.5°	876.0	644.1	441.0	305.3	229.1	186.9	161.3	145.4	134.9	129.7	127.1
110°	816.2	603.5	428.1	308.9	241.2	201.2	176.2	161.1	151.3	146.9	144.2



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	764.2	576.4	421.0	316.0	253.3	216.2	191.9	176.7	167.0	162.6	159.9
115°	701.4	547.4	418.3	327.5	273.2	239.4	215.4	200.3	191.4	186.0	182.4
117.5°	663.4	530.3	419.9	342.9	294.4	261.0	238.7	221.8	213.7	209.2	205.1
120°	643.5	522.5	422.8	354.3	308.0	275.9	253.7	236.7	227.8	223.4	220.7
122.5°	627.1	517.5	427.8	365.0	322.2	290.9	267.2	251.0	241.4	236.9	234.3
125°	606.2	511.0	435.2	381.8	342.7	311.6	287.5	270.5	260.8	255.5	253.7
127.5°	587.6	507.7	443.8	395.7	360.5	330.4	306.4	287.7	277.7	271.1	268.5
130°	577.7	505.6	449.5	405.0	371.1	341.8	317.7	299.1	288.4	280.4	277.7
132.5°	568.4	504.9	453.8	413.6	380.4	351.8	328.4	309.8	296.9	288.2	284.8
135°	556.3	503.8	460.2	424.5	394.3	366.7	342.7	324.0	310.7	300.9	297.3
137.5°	545.8	501.9	464.4	432.7	403.9	377.4	355.2	336.6	322.4	312.8	309.1
140°	539.4	501.1	467.3	437.0	410.4	384.5	362.3	344.5	330.2	321.3	316.9
142.5°	533.7	499.7	469.4	441.3	415.4	390.2	369.3	351.6	338.8	329.1	325.4
145°	526.0	497.6	470.8	445.9	421.9	398.8	378.3	363.2	349.8	341.8	339.1
147.5°	518.5	494.2	470.8	448.8	427.2	406.1	388.6	374.0	362.5	354.6	353.0
150°	513.5	491.3	470.8	449.5	430.8	410.4	394.3	381.8	370.2	363.2	362.3
152.5°	507.9	487.8	468.7	450.9	432.9	415.4	400.0	389.0	378.8	371.7	371.5
155°	499.4	481.5	466.4	451.3	437.0	421.9	409.5	399.7	390.7	385.4	385.4
157.5°	489.7	476.0	463.4	452.2	439.3	427.2	417.6	409.3	401.4	397.2	396.5
160°	483.3	471.7	462.0	452.2	441.5	430.8	421.9	415.6	408.6	405.0	405.0
162.5°	476.9	467.4	459.1	451.5	442.2	432.9	425.4	419.9	414.3	411.4	411.4
165°	468.1	461.1	454.9	449.5	443.3	436.1	429.9	426.3	421.9	420.1	421.0
167.5°	459.9	454.7	450.6	448.1	443.1	437.9	434.0	431.5	428.1	427.2	428.3
170°	454.9	450.4	447.7	445.9	442.4	437.9	436.1	434.4	431.7	430.8	432.6
172.5°	449.9	446.8	445.6	445.2	442.4	438.6	437.6	436.5	434.5	434.4	435.4
175°	444.2	442.4	442.4	443.3	441.5	439.7	438.8	438.8	437.0	437.9	438.8
177.5°	440.4	439.7	440.4	441.8	440.4	439.7	439.7	439.7	439.0	439.7	440.4
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-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°	10.4	10.8	12.4	13.6	15.4	17.0	17.2	17.0	17.1	16.6	16.4
90°	3.6	5.4	8.0	9.8	11.6	14.3	16.9	19.6	22.3	21.4	22.3
92.5°	16.4	23.9	30.8	38.3	51.5	74.7	113.1	150.6	136.9	103.3	74.9
95°	32.9	42.7	57.9	81.0	115.7	191.4	324.0	469.9	527.8	428.1	320.4
97.5°	52.5	60.2	73.3	96.1	133.7	206.0	355.5	598.9	818.0	875.1	798.8
100°	66.8	73.0	85.4	106.8	141.5	203.8	335.6	569.6	842.9	1018.2	1049.5
102.5°	82.4	87.9	99.7	119.0	150.8	206.7	318.4	526.9	796.7	1025.4	1132.7
105°	105.9	111.3	122.0	138.8	166.5	214.5	306.2	474.4	715.6	971.1	1157.1
107.5°	129.7	134.9	145.4	161.3	186.9	229.1	305.3	441.0	644.1	876.0	1087.0
110°	146.9	151.3	161.1	176.2	201.2	241.2	308.9	428.1	603.5	816.2	1020.0



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	162.6	167.0	176.7	191.9	216.2	253.3	316.0	421.0	576.4	764.2	953.8
115°	186.0	191.4	200.3	215.4	239.4	273.2	327.5	418.3	547.4	701.4	866.0
117.5°	209.2	213.7	221.8	238.7	261.0	294.4	342.9	419.9	530.3	663.4	802.5
120°	223.4	227.8	236.7	253.7	275.9	308.0	354.3	422.8	522.5	643.5	769.0
122.5°	236.9	241.4	251.0	267.2	290.9	322.2	365.0	427.8	517.5	627.1	742.7
125°	255.5	260.8	270.5	287.5	311.6	342.7	381.8	435.2	511.0	606.2	707.7
127.5°	271.1	277.7	287.7	306.4	330.4	360.5	395.7	443.8	507.7	587.6	677.0
130°	280.4	288.4	299.1	317.7	341.8	371.1	405.0	449.5	505.6	577.7	657.8
132.5°	288.2	296.9	309.8	328.4	351.8	380.4	413.6	453.8	504.9	568.4	640.0
135°	300.9	310.7	324.0	342.7	366.7	394.3	424.5	460.2	503.8	556.3	615.9
137.5°	312.8	322.4	336.6	355.2	377.4	403.9	432.7	464.4	501.9	545.8	594.1
140°	321.3	330.2	344.5	362.3	384.5	410.4	437.0	467.3	501.1	539.4	581.2
142.5°	329.1	338.8	351.6	369.3	390.2	415.4	441.3	469.4	499.7	533.7	569.1
145°	341.8	349.8	363.2	378.3	398.8	421.9	445.9	470.8	497.6	526.0	554.6
147.5°	354.6	362.5	374.0	388.6	406.1	427.2	448.8	470.8	494.2	518.5	542.6
150°	363.2	370.2	381.8	394.3	410.4	430.8	449.5	470.8	491.3	513.5	534.0
152.5°	371.7	378.8	389.0	400.0	415.4	432.9	450.9	468.7	487.8	507.9	526.2
155°	385.4	390.7	399.7	409.5	421.9	437.0	451.3	466.4	481.5	499.4	514.4
157.5°	397.2	401.4	409.3	417.6	427.2	439.3	452.2	463.4	476.0	489.7	502.0
160°	405.0	408.6	415.6	421.9	430.8	441.5	452.2	462.0	471.7	483.3	494.9
162.5°	411.4	414.3	419.9	425.4	432.9	442.2	451.5	459.1	467.4	476.9	486.3
165°	420.1	421.9	426.3	429.9	436.1	443.3	449.5	454.9	461.1	468.1	475.3
167.5°	427.2	428.1	431.5	434.0	437.9	443.1	448.1	450.6	454.7	459.9	465.7
170°	430.8	431.7	434.4	436.1	437.9	442.4	445.9	447.7	450.4	454.9	459.3
172.5°	434.4	434.5	436.5	437.6	438.6	442.4	445.2	445.6	446.8	449.9	453.6
175°	437.9	437.0	438.8	438.8	439.7	441.5	443.3	442.4	442.4	444.2	445.9
177.5°	439.7	439.0	439.7	439.7	439.7	440.4	441.8	440.4	439.7	440.4	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

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°	16.2	16.1	16.0	16.2	16.0	15.8	16.4
90°	23.2	24.1	25.8	24.9	25.8	26.7	25.8
92.5°	59.5	52.5	47.9	46.3	43.6	44.5	42.9
95°	217.2	170.0	137.9	121.1	113.1	106.8	103.3
97.5°	639.8	525.0	418.5	352.8	312.8	288.7	281.1
100°	977.3	873.2	746.8	656.9	591.9	557.2	558.1
102.5°	1130.4	1069.7	989.6	919.6	868.2	839.2	818.7
105°	1246.2	1263.0	1239.9	1198.9	1165.1	1136.7	1132.2
107.5°	1231.5	1309.5	1341.2	1341.9	1330.5	1320.9	1312.7
110°	1183.8	1295.9	1358.3	1383.2	1390.4	1388.6	1386.8



TEST NUMBER: P331984-940

CATALOG NUMBER: S123DIP-S775D1025U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1121.1	1246.8	1327.0	1372.5	1394.5	1401.3	1401.7
115°	1020.9	1151.7	1248.8	1315.5	1354.7	1372.5	1377.0
117.5°	936.2	1053.6	1152.1	1221.7	1266.6	1292.3	1298.2
120°	889.2	996.0	1085.9	1156.2	1206.0	1227.4	1232.8
122.5°	851.5	950.5	1033.9	1096.4	1141.3	1164.8	1171.5
125°	804.7	890.1	961.3	1018.2	1057.4	1079.7	1085.9
127.5°	763.5	840.6	905.4	956.1	989.6	1009.7	1015.4
130°	737.9	809.9	870.5	917.7	949.8	968.4	975.5
132.5°	713.6	780.8	838.5	882.8	914.8	931.4	936.4
135°	679.1	737.0	787.7	831.3	858.0	874.1	880.3
137.5°	645.9	695.7	739.7	776.3	803.4	816.9	821.0
140°	626.6	669.3	707.7	741.5	766.3	780.6	779.7
142.5°	608.1	645.2	678.4	707.3	729.3	742.2	741.3
145°	583.9	612.3	638.2	660.4	679.1	686.3	688.0
147.5°	565.9	588.9	607.3	624.1	636.8	643.5	644.3
150°	554.6	573.2	590.1	603.5	613.2	618.6	618.6
152.5°	543.9	560.4	574.4	585.0	594.1	597.3	597.3
155°	528.7	542.1	552.8	560.8	567.8	569.6	570.5
157.5°	513.9	524.2	532.6	539.6	544.9	546.4	546.2
160°	504.7	513.5	519.8	526.0	531.4	531.4	530.5
162.5°	494.7	502.9	508.5	512.6	517.1	517.1	516.2
165°	480.6	486.9	491.3	494.9	498.5	497.6	497.6
167.5°	469.8	473.3	476.5	478.1	480.6	479.7	479.7
170°	462.0	465.5	467.3	468.1	469.9	469.0	469.0
172.5°	455.6	458.4	459.5	459.7	461.5	459.9	459.1
175°	446.8	448.6	448.6	448.6	449.5	448.6	447.7
177.5°	441.8	442.6	442.6	441.8	442.6	441.1	441.1
180°	439.7	439.7	439.7	439.7	439.7	439.7	439.7

(END OF REPORT)