

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: P331948

Luminaire Tested: **S123DIP-S560D1195U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331948
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-S560D1195U835-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 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: 6708.5 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Indirect

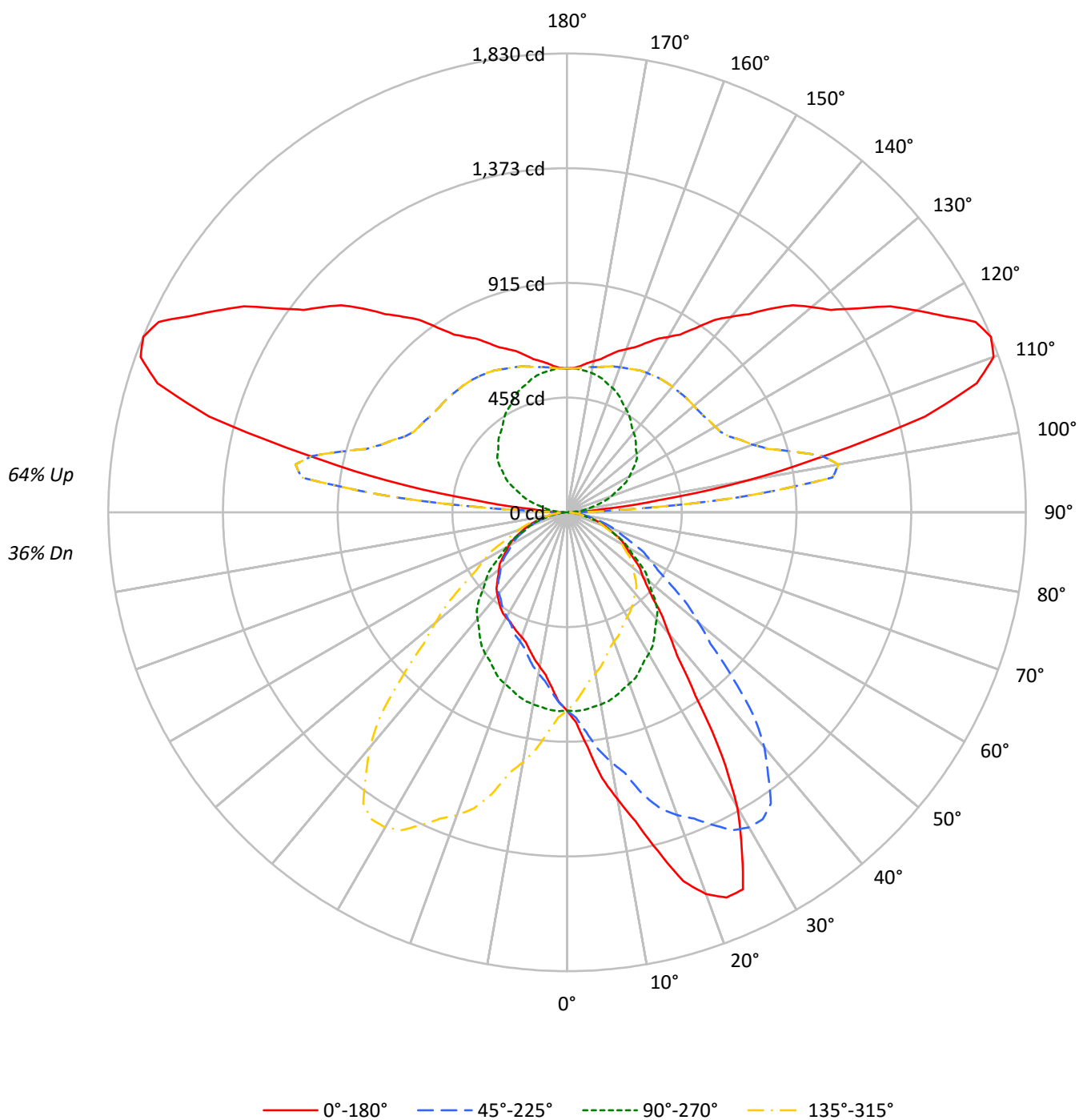
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	36		
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	37	37	30		
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	32	31	26		
3	79	70	63	57	71	63	57	53	51	47	44	40	37	35	30	28	27	22		
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19		
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17		
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15		
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13		
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	18	16	14	12		
9	48	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	10		
10	45	33	26	22	41	31	25	20	25	21	17	20	17	14	16	13	12	9		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8509	8509	8509	8509
5°	10147	8546	7573	8546
10°	12701	8502	6840	8502
15°	15578	8433	6367	8433
20°	18558	8326	6063	8326
25°	19705	8197	5995	8197
30°	16890	8103	6027	8103
35°	11746	7967	6089	7967
40°	8847	7808	6070	7808
45°	7346	7573	5993	7573
50°	6581	7093	5940	7093
55°	6152	6576	5864	6576
60°	5772	6036	5804	6036
65°	5422	5501	5619	5501
70°	5086	4894	5350	4894
75°	4554	4284	4907	4284
80°	3986	3515	4228	3515
85°	3125	2556	2841	2556

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.2
10°-20°	249.7	3.7
20°-30°	419.1	6.2
30°-40°	474.5	7.1
40°-50°	425.5	6.3
50°-60°	343.4	5.1
60°-70°	239.3	3.6
70°-80°	125.8	1.9
80°-90°	35.2	0.5
90°-100°	319.4	4.8
100°-110°	904.4	13.5
110°-120°	889.7	13.3
120°-130°	709.7	10.6
130°-140°	559.5	8.3
140°-150°	417.6	6.2
150°-160°	291.1	4.3
160°-170°	171.0	2.5
170°-180°	55.6	0.8
0°-30°	746.6	11.1
0°-40°	1221.1	18.2
0°-60°	1990.1	29.7
0°-90°	2390.3	35.6
90°-120°	2113.6	31.5
90°-150°	3800.4	56.7
90°-180°	4318.0	64.4
0°-180°	6708.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	790	790	790	790	790	
5°	939	791	701	791	939	97
15°	1398	757	571	757	1398	404
25°	1659	690	505	690	1659	728
35°	894	606	463	606	894	581
45°	483	498	394	498	483	382
55°	328	350	312	350	328	294
65°	213	216	221	216	213	212
75°	110	103	118	103	110	117
85°	25	21	23	21	25	31
90°	34	2	34	2	34	19
95°	135	40	135	40	135	243
105°	1478	135	1478	135	1478	1458
115°	1797	238	1797	238	1797	1746
125°	1418	331	1418	331	1418	1285
135°	1149	388	1149	388	1149	891
145°	898	443	898	443	898	571
155°	745	503	745	503	745	347
165°	650	550	650	550	650	186
175°	584	573	584	573	584	57
180°	574	574	574	574	574	

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	838.9	838.3	836.8	838.0	835.5	832.2	831.9	828.8	819.9	819.3	816.9
5°	939.1	936.0	935.7	935.3	929.9	922.6	908.8	907.7	889.3	880.1	869.0
7.5°	1068.9	1070.5	1064.9	1060.0	1043.6	1032.8	1018.0	999.1	976.5	953.6	938.3
10°	1162.0	1174.6	1158.9	1148.2	1138.3	1119.5	1097.7	1070.5	1043.3	1011.5	987.4
12.5°	1261.9	1268.1	1265.0	1254.8	1239.4	1210.8	1172.1	1142.2	1117.1	1064.2	1042.8
15°	1397.9	1421.3	1406.4	1371.9	1372.7	1345.5	1294.9	1239.4	1209.9	1163.5	1100.3
17.5°	1542.9	1545.8	1539.4	1510.7	1491.5	1454.2	1407.5	1354.3	1294.5	1238.5	1171.4
20°	1620.1	1617.8	1604.4	1589.4	1556.5	1527.4	1476.4	1417.1	1340.5	1285.3	1212.2
22.5°	1663.0	1659.1	1652.8	1640.3	1612.9	1581.6	1535.9	1471.0	1398.1	1322.1	1237.6
25°	1659.1	1664.1	1664.9	1661.4	1651.9	1633.1	1597.1	1545.4	1472.6	1375.0	1286.9
27.5°	1509.0	1516.0	1536.5	1554.7	1575.0	1595.6	1592.9	1567.2	1513.4	1429.0	1321.3
30°	1358.9	1343.5	1381.5	1429.3	1461.9	1519.3	1551.5	1553.4	1523.2	1450.8	1345.8
32.5°	1150.5	1167.4	1184.1	1243.0	1314.2	1378.7	1442.7	1494.3	1500.2	1452.0	1360.2
35°	893.9	915.0	945.6	976.3	1052.9	1118.7	1231.3	1329.4	1407.5	1417.8	1361.5
37.5°	720.3	730.8	750.1	780.8	830.9	909.1	996.2	1120.1	1233.3	1317.5	1321.2
40°	629.6	632.7	654.5	677.9	718.5	782.8	861.4	970.9	1106.5	1224.1	1273.1
42.5°	561.6	568.4	577.6	600.1	632.4	680.8	753.8	844.4	968.6	1103.9	1199.8
45°	482.6	490.2	496.0	510.9	533.9	566.4	617.4	700.1	794.7	934.5	1063.6
47.5°	430.3	430.9	435.2	446.5	462.1	486.6	522.6	575.7	662.6	775.9	908.5
50°	393.0	399.1	400.6	409.4	421.7	439.7	469.6	514.7	586.0	685.6	807.4
52.5°	366.6	368.4	372.7	379.1	389.8	403.8	429.7	465.1	521.0	605.9	717.9
55°	327.8	327.8	332.1	337.0	343.2	355.8	373.0	399.1	441.6	507.5	600.2
57.5°	292.0	293.9	296.9	298.4	303.6	312.0	326.4	346.2	377.9	428.6	502.3
60°	268.1	271.5	271.2	274.2	278.8	285.3	297.6	313.7	342.0	382.6	444.7
62.5°	247.3	247.0	247.0	250.6	255.2	261.4	269.4	283.3	307.4	343.4	396.2
65°	212.9	212.2	214.9	217.2	218.7	223.3	229.4	241.7	257.8	284.6	325.5
67.5°	182.5	180.2	181.7	182.5	185.1	188.7	194.4	202.0	214.8	236.3	267.2
70°	161.6	159.7	159.3	160.1	162.4	165.1	169.3	176.6	188.4	205.7	228.3
72.5°	140.2	138.9	138.8	140.5	141.6	143.3	146.3	153.0	162.4	175.3	196.4
75°	109.5	109.5	109.5	109.9	111.1	112.6	114.9	118.3	125.6	134.8	149.0
77.5°	82.1	82.0	81.6	81.5	83.2	83.9	84.4	87.6	91.7	97.9	108.2
80°	64.3	62.4	63.2	64.3	65.1	65.5	66.6	67.4	70.9	74.3	81.6
82.5°	47.8	46.2	46.3	48.1	48.3	48.6	49.8	50.9	52.2	55.3	59.2
85°	25.3	25.3	25.7	25.7	26.0	25.7	26.8	27.2	27.2	29.1	31.4
87.5°	15.9	15.6	15.6	15.7	15.6	15.5	15.5	15.6	15.7	16.2	15.8
90°	33.7	34.9	33.7	32.5	33.7	31.4	30.2	29.0	27.9	29.0	25.6
92.5°	56.0	58.1	56.9	60.4	62.5	68.5	77.6	97.8	134.8	178.7	196.6
95°	134.8	139.4	147.6	158.0	180.1	221.9	283.5	418.3	558.8	689.0	613.5
97.5°	366.9	376.9	408.3	460.6	546.3	685.3	835.1	1042.6	1142.3	1067.7	781.7
100°	728.5	727.3	772.6	857.4	974.8	1139.8	1275.7	1369.8	1329.2	1100.3	743.6
102.5°	1068.7	1095.4	1133.3	1200.4	1291.7	1396.3	1475.5	1478.6	1338.4	1039.9	687.8
105°	1477.9	1483.7	1520.9	1565.0	1618.5	1648.7	1626.6	1510.4	1267.6	934.1	619.3
107.5°	1713.5	1724.2	1736.7	1751.6	1750.7	1709.3	1607.5	1418.8	1143.5	840.7	575.6
110°	1810.2	1812.5	1814.8	1805.5	1773.0	1691.7	1545.3	1331.5	1065.4	787.7	558.8

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1829.7	1829.2	1820.4	1791.6	1732.1	1627.5	1463.5	1245.0	997.6	752.4	549.6
115°	1797.4	1791.6	1768.3	1717.2	1630.1	1503.4	1332.6	1130.5	915.5	714.5	546.1
117.5°	1694.7	1686.8	1653.3	1594.8	1503.9	1375.4	1222.0	1047.5	866.0	692.2	548.2
120°	1609.2	1602.2	1574.3	1509.2	1417.5	1300.1	1160.7	1003.8	840.0	682.0	551.9
122.5°	1529.2	1520.4	1489.7	1431.2	1349.6	1240.6	1111.4	969.4	818.6	675.5	558.4
125°	1417.5	1409.3	1380.3	1329.2	1254.8	1161.8	1050.3	923.7	791.2	666.9	568.1
127.5°	1325.4	1318.0	1291.7	1248.1	1181.8	1097.2	996.6	883.7	767.1	662.7	579.3
130°	1273.4	1264.1	1239.7	1197.9	1136.3	1057.3	963.2	858.6	754.0	659.9	586.7
132.5°	1222.3	1215.8	1194.1	1152.3	1094.5	1019.2	931.6	835.4	742.0	659.0	592.3
135°	1149.1	1140.9	1120.0	1085.2	1028.2	962.0	886.5	804.0	726.2	657.6	600.7
137.5°	1071.7	1066.3	1048.7	1013.4	965.5	908.1	843.0	775.4	712.4	655.0	606.3
140°	1017.8	1018.9	1000.4	967.8	923.7	873.7	817.9	758.7	704.1	654.1	610.0
142.5°	967.6	968.7	952.0	923.2	885.6	842.1	793.8	742.9	696.6	652.3	612.8
145°	898.1	895.8	886.5	862.1	833.0	799.4	762.2	723.8	686.7	649.5	614.6
147.5°	840.9	840.0	831.2	814.7	792.6	768.7	738.7	708.3	676.9	645.1	614.6
150°	807.5	807.5	800.5	787.7	770.3	748.2	723.8	697.1	670.4	641.3	614.6
152.5°	779.6	779.6	775.4	763.6	749.9	731.5	709.9	686.9	663.0	636.7	611.8
155°	744.7	743.6	741.3	732.0	721.5	707.6	690.1	671.5	651.8	628.6	608.8
157.5°	712.9	713.1	711.3	704.3	695.2	684.3	670.9	655.3	639.2	621.4	604.9
160°	692.5	693.6	693.6	686.7	678.5	670.4	658.8	646.0	630.9	615.8	603.0
162.5°	673.9	675.0	675.0	669.0	663.6	656.4	645.8	634.8	622.5	610.2	599.3
165°	649.5	649.5	650.6	646.0	641.3	635.5	627.4	620.4	611.1	601.8	593.7
167.5°	626.2	626.2	627.4	624.1	622.1	617.9	613.2	607.9	600.2	593.5	588.1
170°	612.3	612.3	613.5	611.1	610.0	607.6	603.0	599.5	593.7	587.9	584.4
172.5°	599.3	600.2	602.3	600.0	599.7	598.4	594.6	592.1	587.2	583.2	581.6
175°	584.4	585.6	586.7	585.6	585.6	585.6	583.2	582.1	579.8	577.4	577.4
177.5°	575.8	575.8	577.7	576.7	577.7	577.7	576.7	575.8	574.9	574.0	574.9
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	815.0	812.6	810.1	805.8	802.1	796.9	795.4	793.6	788.1	783.1	779.5
5°	864.8	855.6	842.2	829.9	820.0	806.6	798.9	790.9	779.4	769.1	760.6
7.5°	916.9	898.8	878.0	855.5	834.5	814.2	797.9	783.4	767.3	752.0	740.2
10°	958.3	932.2	903.1	871.7	844.9	818.8	797.0	777.9	757.2	739.2	724.2
12.5°	1005.4	966.8	926.7	888.5	856.8	820.7	794.3	769.9	746.5	724.8	708.0
15°	1061.3	1012.3	964.8	912.3	864.0	818.8	787.4	756.8	729.6	707.4	685.9
17.5°	1112.1	1056.6	994.0	930.2	872.0	818.4	774.4	739.8	705.8	678.6	657.2
20°	1140.9	1077.7	1006.9	940.6	876.3	816.5	768.3	726.9	690.2	661.4	637.3
22.5°	1165.8	1091.8	1018.5	947.7	876.0	811.6	757.0	714.4	674.5	646.4	620.8
25°	1191.5	1103.0	1029.5	946.4	866.3	799.7	738.4	690.2	650.3	617.4	591.0
27.5°	1213.6	1102.3	1015.0	925.6	851.2	784.4	719.0	667.2	624.9	589.1	562.3
30°	1228.3	1103.8	1000.0	911.5	836.5	767.5	703.9	651.9	607.4	571.0	545.8
32.5°	1237.5	1102.9	986.2	891.9	813.2	752.2	687.7	633.8	588.1	552.4	528.0
35°	1242.8	1096.1	962.5	851.4	775.6	716.2	662.2	606.3	558.4	525.1	497.5
37.5°	1232.1	1082.0	934.9	812.3	729.3	670.9	625.4	577.8	532.0	495.3	471.5
40°	1215.2	1072.8	913.4	784.8	697.4	641.1	602.5	555.7	510.5	475.7	453.5
42.5°	1183.1	1054.1	889.9	754.1	664.3	608.0	572.4	533.4	490.6	457.9	435.7
45°	1104.6	1013.4	854.5	708.2	615.5	557.3	525.9	497.5	458.8	427.0	407.9
47.5°	995.6	952.2	803.3	659.7	564.5	508.5	475.8	453.0	424.7	399.1	380.7
50°	920.0	902.0	768.7	626.6	530.4	475.7	444.3	423.6	403.3	377.6	360.8
52.5°	832.6	843.7	728.2	592.3	495.8	442.0	412.4	396.0	377.6	356.5	341.8
55°	709.7	749.9	658.4	534.7	444.3	393.0	365.0	350.4	339.7	324.0	311.4
57.5°	594.6	645.7	582.8	475.3	393.6	349.4	322.6	306.7	299.8	291.6	281.7
60°	526.2	576.8	528.9	435.5	359.6	317.5	293.8	280.4	273.5	267.7	259.3
62.5°	465.3	516.4	476.2	395.0	326.2	287.2	266.5	253.4	248.0	245.0	237.8
65°	381.5	425.5	398.7	332.1	278.4	244.0	225.2	216.0	211.0	209.9	205.3
67.5°	310.5	344.0	324.5	275.4	233.2	203.4	187.5	179.7	175.9	175.5	172.0
70°	263.9	295.3	280.4	235.9	199.5	176.2	162.4	155.5	153.2	152.8	150.9
72.5°	227.7	249.6	237.8	200.7	172.6	151.4	141.2	134.0	131.4	132.0	130.7
75°	168.5	185.0	178.1	152.4	129.8	116.0	107.6	103.0	100.7	101.9	100.3
77.5°	121.3	131.7	125.5	107.7	93.8	83.8	77.6	74.8	72.7	72.6	71.9
80°	91.5	97.7	94.2	83.5	72.0	63.6	58.6	56.7	55.5	55.2	54.8
82.5°	65.2	70.4	66.3	59.0	51.2	46.1	43.3	40.8	39.9	40.1	39.8
85°	32.9	34.9	33.3	28.7	25.7	23.4	21.8	20.7	19.9	20.3	19.5
87.5°	15.8	15.4	13.7	12.1	11.0	9.4	8.9	7.8	7.7	8.1	8.5
90°	22.1	18.6	15.1	12.8	10.5	7.0	4.6	2.3	4.6	7.0	10.5
92.5°	147.6	97.6	67.2	50.0	40.2	31.1	21.4	14.4	21.4	31.1	40.2
95°	422.9	249.8	151.0	105.7	75.5	55.8	43.0	39.5	43.0	55.8	75.5
97.5°	464.0	268.9	174.5	125.5	95.7	78.5	68.5	67.4	68.5	78.5	95.7
100°	438.0	266.1	184.7	139.4	111.5	95.3	87.1	86.0	87.1	95.3	111.5
102.5°	415.7	269.8	196.8	155.2	130.1	114.8	107.6	105.5	107.6	114.8	130.1
105°	399.7	280.0	217.3	181.2	159.2	145.2	138.3	134.8	138.3	145.2	159.2
107.5°	398.5	299.1	244.0	210.5	189.8	176.1	169.4	165.9	169.4	176.1	189.8
110°	403.2	314.9	262.6	230.0	210.3	197.5	191.7	188.2	191.7	197.5	210.3

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	412.5	330.7	282.1	250.5	230.7	218.0	212.2	208.7	212.2	218.0	230.7
115°	427.6	356.7	312.5	281.2	261.4	249.8	242.8	238.2	242.8	249.8	261.4
117.5°	447.5	384.3	340.7	311.6	289.5	278.8	273.0	267.7	273.0	278.8	289.5
120°	462.4	402.0	360.2	331.1	309.1	297.4	291.6	288.1	291.6	297.4	309.1
122.5°	476.4	420.6	379.7	348.8	327.6	315.1	309.3	305.8	309.3	315.1	327.6
125°	498.4	447.3	406.6	375.3	353.2	340.4	333.5	331.1	333.5	340.4	353.2
127.5°	516.6	470.5	431.3	399.9	375.5	362.5	353.9	350.4	353.9	362.5	375.5
130°	528.6	484.5	446.1	414.8	390.4	376.4	366.0	362.5	366.0	376.4	390.4
132.5°	539.8	496.6	459.2	428.7	404.3	387.6	376.2	371.8	376.2	387.6	404.3
135°	554.2	514.7	478.7	447.3	422.9	405.5	392.7	388.1	392.7	405.5	422.9
137.5°	564.9	527.2	492.6	463.6	439.4	420.8	408.3	403.4	408.3	420.8	439.4
140°	570.5	535.6	501.9	472.9	449.6	431.0	419.4	413.6	419.4	431.0	449.6
142.5°	576.0	542.1	509.4	482.2	458.9	442.2	429.7	424.8	429.7	442.2	458.9
145°	582.1	550.7	520.5	493.8	474.0	456.6	446.1	442.7	446.1	456.6	474.0
147.5°	585.8	557.7	530.0	507.3	488.2	473.1	462.9	460.8	462.9	473.1	488.2
150°	586.7	562.3	535.6	514.7	498.4	483.3	474.0	472.9	474.0	483.3	498.4
152.5°	588.6	565.1	542.1	522.1	507.7	494.5	485.2	485.0	485.2	494.5	507.7
155°	589.1	570.5	550.7	534.4	521.7	510.1	503.1	503.1	503.1	510.1	521.7
157.5°	590.2	573.5	557.7	545.1	534.2	524.0	518.4	517.5	518.4	524.0	534.2
160°	590.2	576.3	562.3	550.7	542.6	533.3	528.6	528.6	528.6	533.3	542.6
162.5°	589.3	577.2	565.1	555.4	548.2	540.7	537.0	537.0	537.0	540.7	548.2
165°	586.7	578.6	569.3	561.2	556.5	550.7	548.4	549.6	548.4	550.7	556.5
167.5°	584.9	578.4	571.6	566.5	563.3	558.8	557.7	559.1	557.7	558.8	563.3
170°	582.1	577.4	571.6	569.3	567.0	563.5	562.3	564.7	562.3	563.5	567.0
172.5°	581.2	577.4	572.6	571.2	569.8	567.2	567.0	568.4	567.0	567.2	569.8
175°	578.6	576.3	574.0	572.8	572.8	570.5	571.6	572.8	571.6	570.5	572.8
177.5°	576.7	574.9	574.0	574.0	574.0	573.0	574.0	574.9	574.0	573.0	574.0
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	777.3	775.2	772.1	767.5	763.8	758.0	758.0	758.9	758.9	758.6	758.0
5°	753.7	748.0	741.1	733.1	724.6	716.2	714.7	711.6	709.3	707.8	705.9
7.5°	728.8	718.7	708.6	697.4	687.1	678.6	672.7	667.8	664.6	661.3	658.8
10°	712.0	699.3	687.5	675.6	662.6	652.2	645.7	641.1	637.7	634.6	633.1
12.5°	692.1	677.6	664.5	653.2	639.0	628.3	622.1	620.0	615.9	609.5	606.1
15°	663.0	649.6	633.9	616.6	609.7	596.7	589.4	586.0	583.7	578.7	577.2
17.5°	638.1	620.5	602.9	590.0	577.2	566.7	562.6	558.3	555.3	551.2	550.0
20°	618.2	602.5	586.4	572.6	559.2	547.7	544.2	541.2	538.1	536.2	534.7
22.5°	597.9	582.2	568.9	556.0	541.7	534.2	530.4	527.1	524.9	523.6	522.1
25°	569.5	555.7	540.8	529.3	517.8	512.8	510.5	508.6	507.1	505.2	504.8
27.5°	544.1	529.1	517.0	506.2	498.0	493.8	491.6	490.7	491.0	491.7	492.1
30°	525.1	511.3	501.3	492.1	484.5	480.7	480.3	480.3	481.8	482.2	483.0
32.5°	507.6	496.3	486.3	477.4	471.6	469.0	470.5	470.5	471.7	472.7	474.1
35°	482.2	472.2	464.6	456.9	451.9	453.1	453.8	454.6	456.5	458.8	460.4
37.5°	457.9	449.3	441.3	435.3	433.0	435.1	436.9	438.5	440.8	442.5	444.0
40°	440.4	433.9	426.3	420.9	421.7	422.8	424.4	426.3	428.2	429.3	430.9
42.5°	424.2	417.4	411.6	407.1	408.2	409.7	410.6	411.6	413.8	415.9	416.8
45°	399.5	394.1	388.7	386.1	386.8	387.6	388.4	389.5	391.4	393.0	393.3
47.5°	371.7	367.9	364.3	361.7	362.9	362.6	363.6	366.1	366.7	367.6	369.7
50°	353.9	350.4	346.2	345.5	345.5	345.5	345.8	348.9	348.9	350.4	352.0
52.5°	334.3	332.1	329.4	328.0	327.4	327.4	329.0	330.5	331.1	333.3	334.8
55°	305.2	302.9	300.7	299.5	298.7	299.5	302.6	303.3	305.2	306.4	307.5
57.5°	275.0	273.2	271.4	270.8	270.6	271.6	273.3	275.6	276.1	279.6	281.3
60°	255.1	252.4	250.9	250.9	250.1	253.5	252.8	256.6	257.4	259.7	262.4
62.5°	234.5	230.9	230.3	230.3	231.4	232.4	233.5	235.2	237.2	240.1	242.1
65°	201.5	199.5	202.2	201.8	201.1	203.4	203.4	205.3	207.6	210.3	214.5
67.5°	170.1	169.1	169.4	169.4	170.5	171.8	172.9	174.6	177.3	180.2	182.9
70°	149.0	150.1	148.2	149.8	150.9	151.3	152.0	154.3	157.4	159.3	162.4
72.5°	128.5	128.4	128.6	129.2	130.4	131.1	131.8	134.4	137.8	139.4	141.9
75°	98.8	98.4	99.6	99.6	101.5	102.3	103.0	104.2	107.2	109.5	111.5
77.5°	72.2	72.6	72.4	73.7	73.2	73.3	75.7	76.8	77.1	81.7	82.7
80°	54.4	55.2	55.5	55.9	56.3	55.5	58.2	59.4	59.4	62.0	64.0
82.5°	39.1	39.5	40.5	40.9	41.0	41.7	42.0	42.8	43.7	44.9	47.4
85°	19.5	20.7	21.1	20.7	21.1	20.3	21.4	21.8	22.2	22.2	22.2
87.5°	8.7	9.5	9.8	10.8	11.2	12.2	12.0	11.6	11.9	13.0	12.3
90°	12.8	15.1	18.6	22.1	25.6	29.0	27.9	29.0	30.2	31.4	33.7
92.5°	50.0	67.2	97.6	147.6	196.6	178.7	134.8	97.8	77.6	68.5	62.5
95°	105.7	151.0	249.8	422.9	613.5	689.0	558.8	418.3	283.5	221.9	180.1
97.5°	125.5	174.5	268.9	464.0	781.7	1067.7	1142.3	1042.6	835.1	685.3	546.3
100°	139.4	184.7	266.1	438.0	743.6	1100.3	1329.2	1369.8	1275.7	1139.8	974.8
102.5°	155.2	196.8	269.8	415.7	687.8	1039.9	1338.4	1478.6	1475.5	1396.3	1291.7
105°	181.2	217.3	280.0	399.7	619.3	934.1	1267.6	1510.4	1626.6	1648.7	1618.5
107.5°	210.5	244.0	299.1	398.5	575.6	840.7	1143.5	1418.8	1607.5	1709.3	1750.7
110°	230.0	262.6	314.9	403.2	558.8	787.7	1065.4	1331.5	1545.3	1691.7	1773.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	250.5	282.1	330.7	412.5	549.6	752.4	997.6	1245.0	1463.5	1627.5	1732.1
115°	281.2	312.5	356.7	427.6	546.1	714.5	915.5	1130.5	1332.6	1503.4	1630.1
117.5°	311.6	340.7	384.3	447.5	548.2	692.2	866.0	1047.5	1222.0	1375.4	1503.9
120°	331.1	360.2	402.0	462.4	551.9	682.0	840.0	1003.8	1160.7	1300.1	1417.5
122.5°	348.8	379.7	420.6	476.4	558.4	675.5	818.6	969.4	1111.4	1240.6	1349.6
125°	375.3	406.6	447.3	498.4	568.1	666.9	791.2	923.7	1050.3	1161.8	1254.8
127.5°	399.9	431.3	470.5	516.6	579.3	662.7	767.1	883.7	996.6	1097.2	1181.8
130°	414.8	446.1	484.5	528.6	586.7	659.9	754.0	858.6	963.2	1057.3	1136.3
132.5°	428.7	459.2	496.6	539.8	592.3	659.0	742.0	835.4	931.6	1019.2	1094.5
135°	447.3	478.7	514.7	554.2	600.7	657.6	726.2	804.0	886.5	962.0	1028.2
137.5°	463.6	492.6	527.2	564.9	606.3	655.0	712.4	775.4	843.0	908.1	965.5
140°	472.9	501.9	535.6	570.5	610.0	654.1	704.1	758.7	817.9	873.7	923.7
142.5°	482.2	509.4	542.1	576.0	612.8	652.3	696.6	742.9	793.8	842.1	885.6
145°	493.8	520.5	550.7	582.1	614.6	649.5	686.7	723.8	762.2	799.4	833.0
147.5°	507.3	530.0	557.7	585.8	614.6	645.1	676.9	708.3	738.7	768.7	792.6
150°	514.7	535.6	562.3	586.7	614.6	641.3	670.4	697.1	723.8	748.2	770.3
152.5°	522.1	542.1	565.1	588.6	611.8	636.7	663.0	686.9	709.9	731.5	749.9
155°	534.4	550.7	570.5	589.1	608.8	628.6	651.8	671.5	690.1	707.6	721.5
157.5°	545.1	557.7	573.5	590.2	604.9	621.4	639.2	655.3	670.9	684.3	695.2
160°	550.7	562.3	576.3	590.2	603.0	615.8	630.9	646.0	658.8	670.4	678.5
162.5°	555.4	565.1	577.2	589.3	599.3	610.2	622.5	634.8	645.8	656.4	663.6
165°	561.2	569.3	578.6	586.7	593.7	601.8	611.1	620.4	627.4	635.5	641.3
167.5°	566.5	571.6	578.4	584.9	588.1	593.5	600.2	607.9	613.2	617.9	622.1
170°	569.3	571.6	577.4	582.1	584.4	587.9	593.7	599.5	603.0	607.6	610.0
172.5°	571.2	572.6	577.4	581.2	581.6	583.2	587.2	592.1	594.6	598.4	599.7
175°	572.8	574.0	576.3	578.6	577.4	577.4	579.8	582.1	583.2	585.6	585.6
177.5°	574.0	574.0	574.9	576.7	574.9	574.0	574.9	575.8	576.7	577.7	577.7
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	755.9	755.6	757.7	756.2	757.7	755.6	755.9	758.0	758.6	758.9	758.9
5°	703.6	704.7	700.9	700.9	700.9	704.7	703.6	705.9	707.8	709.3	711.6
7.5°	657.0	655.3	655.5	653.4	655.5	655.3	657.0	658.8	661.3	664.6	667.8
10°	628.5	626.2	625.4	625.8	625.4	626.2	628.5	633.1	634.6	637.7	641.1
12.5°	604.9	604.4	599.4	599.5	599.4	604.4	604.9	606.1	609.5	615.9	620.0
15°	577.2	569.9	569.1	571.4	569.1	569.9	577.2	577.2	578.7	583.7	586.0
17.5°	549.4	545.5	545.8	544.6	545.8	545.5	549.4	550.0	551.2	555.3	558.3
20°	534.7	532.4	532.0	529.3	532.0	532.4	534.7	534.7	536.2	538.1	541.2
22.5°	521.2	520.4	520.6	517.7	520.6	520.4	521.2	522.1	523.6	524.9	527.1
25°	504.4	506.3	504.8	504.8	504.8	506.3	504.4	504.8	505.2	507.1	508.6
27.5°	493.1	493.0	492.2	492.2	492.2	493.0	493.1	492.1	491.7	491.0	490.7
30°	484.5	484.1	484.9	484.9	484.9	484.1	484.5	483.0	482.2	481.8	480.3
32.5°	475.9	476.4	476.6	476.9	476.6	476.4	475.9	474.1	472.7	471.7	470.5
35°	462.7	463.0	464.2	463.4	464.2	463.0	462.7	460.4	458.8	456.5	454.6
37.5°	444.7	446.5	446.1	446.7	446.1	446.5	444.7	444.0	442.5	440.8	438.5
40°	431.3	432.4	432.0	432.0	432.0	432.4	431.3	430.9	429.3	428.2	426.3
42.5°	417.5	418.3	417.3	416.7	417.3	418.3	417.5	416.8	415.9	413.8	411.6
45°	394.9	394.1	395.3	393.7	395.3	394.1	394.9	393.3	393.0	391.4	389.5
47.5°	369.6	370.4	370.7	371.8	370.7	370.4	369.6	369.7	367.6	366.7	366.1
50°	352.7	355.0	355.0	354.7	355.0	355.0	352.7	352.0	350.4	348.9	348.9
52.5°	336.2	337.3	338.8	338.7	338.8	337.3	336.2	334.8	333.3	331.1	330.5
55°	310.6	311.4	312.1	312.5	312.1	311.4	310.6	307.5	306.4	305.2	303.3
57.5°	284.1	283.8	285.6	286.2	285.6	283.8	284.1	281.3	279.6	276.1	275.6
60°	265.4	265.4	268.5	269.6	268.5	265.4	265.4	262.4	259.7	257.4	256.6
62.5°	245.5	246.7	249.8	248.2	249.8	246.7	245.5	242.1	240.1	237.2	235.2
65°	216.4	219.5	219.1	220.6	219.1	219.5	216.4	214.5	210.3	207.6	205.3
67.5°	186.0	187.9	190.7	190.9	190.7	187.9	186.0	182.9	180.2	177.3	174.6
70°	165.5	167.4	168.9	170.0	168.9	167.4	165.5	162.4	159.3	157.4	154.3
72.5°	145.5	146.5	150.2	148.6	150.2	146.5	145.5	141.9	139.4	137.8	134.4
75°	114.1	116.8	119.1	118.0	119.1	116.8	114.1	111.5	109.5	107.2	104.2
77.5°	84.4	87.1	88.2	87.2	88.2	87.1	84.4	82.7	81.7	77.1	76.8
80°	66.6	66.3	68.6	68.2	68.6	66.3	66.6	64.0	62.0	59.4	59.4
82.5°	48.9	48.5	49.6	49.8	49.6	48.5	48.9	47.4	44.9	43.7	42.8
85°	23.7	24.9	23.4	23.0	23.4	24.9	23.7	22.2	22.2	22.2	21.8
87.5°	12.0	12.3	12.2	11.6	12.2	12.3	12.0	12.3	13.0	11.9	11.6
90°	32.5	33.7	34.9	33.7	34.9	33.7	32.5	33.7	31.4	30.2	29.0
92.5°	60.4	56.9	58.1	56.0	58.1	56.9	60.4	62.5	68.5	77.6	97.8
95°	158.0	147.6	139.4	134.8	139.4	147.6	158.0	180.1	221.9	283.5	418.3
97.5°	460.6	408.3	376.9	366.9	376.9	408.3	460.6	546.3	685.3	835.1	1042.6
100°	857.4	772.6	727.3	728.5	727.3	772.6	857.4	974.8	1139.8	1275.7	1369.8
102.5°	1200.4	1133.3	1095.4	1068.7	1095.4	1133.3	1200.4	1291.7	1396.3	1475.5	1478.6
105°	1565.0	1520.9	1483.7	1477.9	1483.7	1520.9	1565.0	1618.5	1648.7	1626.6	1510.4
107.5°	1751.6	1736.7	1724.2	1713.5	1724.2	1736.7	1751.6	1750.7	1709.3	1607.5	1418.8
110°	1805.5	1814.8	1812.5	1810.2	1812.5	1814.8	1805.5	1773.0	1691.7	1545.3	1331.5

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1791.6	1820.4	1829.2	1829.7	1829.2	1820.4	1791.6	1732.1	1627.5	1463.5	1245.0
115°	1717.2	1768.3	1791.6	1797.4	1791.6	1768.3	1717.2	1630.1	1503.4	1332.6	1130.5
117.5°	1594.8	1653.3	1686.8	1694.7	1686.8	1653.3	1594.8	1503.9	1375.4	1222.0	1047.5
120°	1509.2	1574.3	1602.2	1609.2	1602.2	1574.3	1509.2	1417.5	1300.1	1160.7	1003.8
122.5°	1431.2	1489.7	1520.4	1529.2	1520.4	1489.7	1431.2	1349.6	1240.6	1111.4	969.4
125°	1329.2	1380.3	1409.3	1417.5	1409.3	1380.3	1329.2	1254.8	1161.8	1050.3	923.7
127.5°	1248.1	1291.7	1318.0	1325.4	1318.0	1291.7	1248.1	1181.8	1097.2	996.6	883.7
130°	1197.9	1239.7	1264.1	1273.4	1264.1	1239.7	1197.9	1136.3	1057.3	963.2	858.6
132.5°	1152.3	1194.1	1215.8	1222.3	1215.8	1194.1	1152.3	1094.5	1019.2	931.6	835.4
135°	1085.2	1120.0	1140.9	1149.1	1140.9	1120.0	1085.2	1028.2	962.0	886.5	804.0
137.5°	1013.4	1048.7	1066.3	1071.7	1066.3	1048.7	1013.4	965.5	908.1	843.0	775.4
140°	967.8	1000.4	1018.9	1017.8	1018.9	1000.4	967.8	923.7	873.7	817.9	758.7
142.5°	923.2	952.0	968.7	967.6	968.7	952.0	923.2	885.6	842.1	793.8	742.9
145°	862.1	886.5	895.8	898.1	895.8	886.5	862.1	833.0	799.4	762.2	723.8
147.5°	814.7	831.2	840.0	840.9	840.0	831.2	814.7	792.6	768.7	738.7	708.3
150°	787.7	800.5	807.5	807.5	807.5	800.5	787.7	770.3	748.2	723.8	697.1
152.5°	763.6	775.4	779.6	779.6	779.6	775.4	763.6	749.9	731.5	709.9	686.9
155°	732.0	741.3	743.6	744.7	743.6	741.3	732.0	721.5	707.6	690.1	671.5
157.5°	704.3	711.3	713.1	712.9	713.1	711.3	704.3	695.2	684.3	670.9	655.3
160°	686.7	693.6	693.6	692.5	693.6	693.6	686.7	678.5	670.4	658.8	646.0
162.5°	669.0	675.0	675.0	673.9	675.0	675.0	669.0	663.6	656.4	645.8	634.8
165°	646.0	650.6	649.5	649.5	649.5	650.6	646.0	641.3	635.5	627.4	620.4
167.5°	624.1	627.4	626.2	626.2	626.2	627.4	624.1	622.1	617.9	613.2	607.9
170°	611.1	613.5	612.3	612.3	612.3	613.5	611.1	610.0	607.6	603.0	599.5
172.5°	600.0	602.3	600.2	599.3	600.2	602.3	600.0	599.7	598.4	594.6	592.1
175°	585.6	586.7	585.6	584.4	585.6	586.7	585.6	585.6	585.6	583.2	582.1
177.5°	576.7	577.7	575.8	575.8	575.8	577.7	576.7	577.7	577.7	576.7	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	758.0	758.0	763.8	767.5	772.1	775.2	777.3	779.5	783.1	788.1	793.6
5°	714.7	716.2	724.6	733.1	741.1	748.0	753.7	760.6	769.1	779.4	790.9
7.5°	672.7	678.6	687.1	697.4	708.6	718.7	728.8	740.2	752.0	767.3	783.4
10°	645.7	652.2	662.6	675.6	687.5	699.3	712.0	724.2	739.2	757.2	777.9
12.5°	622.1	628.3	639.0	653.2	664.5	677.6	692.1	708.0	724.8	746.5	769.9
15°	589.4	596.7	609.7	616.6	633.9	649.6	663.0	685.9	707.4	729.6	756.8
17.5°	562.6	566.7	577.2	590.0	602.9	620.5	638.1	657.2	678.6	705.8	739.8
20°	544.2	547.7	559.2	572.6	586.4	602.5	618.2	637.3	661.4	690.2	726.9
22.5°	530.4	534.2	541.7	556.0	568.9	582.2	597.9	620.8	646.4	674.5	714.4
25°	510.5	512.8	517.8	529.3	540.8	555.7	569.5	591.0	617.4	650.3	690.2
27.5°	491.6	493.8	498.0	506.2	517.0	529.1	544.1	562.3	589.1	624.9	667.2
30°	480.3	480.7	484.5	492.1	501.3	511.3	525.1	545.8	571.0	607.4	651.9
32.5°	470.5	469.0	471.6	477.4	486.3	496.3	507.6	528.0	552.4	588.1	633.8
35°	453.8	453.1	451.9	456.9	464.6	472.2	482.2	497.5	525.1	558.4	606.3
37.5°	436.9	435.1	433.0	435.3	441.3	449.3	457.9	471.5	495.3	532.0	577.8
40°	424.4	422.8	421.7	420.9	426.3	433.9	440.4	453.5	475.7	510.5	555.7
42.5°	410.6	409.7	408.2	407.1	411.6	417.4	424.2	435.7	457.9	490.6	533.4
45°	388.4	387.6	386.8	386.1	388.7	394.1	399.5	407.9	427.0	458.8	497.5
47.5°	363.6	362.6	362.9	361.7	364.3	367.9	371.7	380.7	399.1	424.7	453.0
50°	345.8	345.5	345.5	345.5	346.2	350.4	353.9	360.8	377.6	403.3	423.6
52.5°	329.0	327.4	327.4	328.0	329.4	332.1	334.3	341.8	356.5	377.6	396.0
55°	302.6	299.5	298.7	299.5	300.7	302.9	305.2	311.4	324.0	339.7	350.4
57.5°	273.3	271.6	270.6	270.8	271.4	273.2	275.0	281.7	291.6	299.8	306.7
60°	252.8	253.5	250.1	250.9	250.9	252.4	255.1	259.3	267.7	273.5	280.4
62.5°	233.5	232.4	231.4	230.3	230.3	230.9	234.5	237.8	245.0	248.0	253.4
65°	203.4	203.4	201.1	201.8	202.2	199.5	201.5	205.3	209.9	211.0	216.0
67.5°	172.9	171.8	170.5	169.4	169.4	169.1	170.1	172.0	175.5	175.9	179.7
70°	152.0	151.3	150.9	149.8	148.2	150.1	149.0	150.9	152.8	153.2	155.5
72.5°	131.8	131.1	130.4	129.2	128.6	128.4	128.5	130.7	132.0	131.4	134.0
75°	103.0	102.3	101.5	99.6	99.6	98.4	98.8	100.3	101.9	100.7	103.0
77.5°	75.7	73.3	73.2	73.7	72.4	72.6	72.2	71.9	72.6	72.7	74.8
80°	58.2	55.5	56.3	55.9	55.5	55.2	54.4	54.8	55.2	55.5	56.7
82.5°	42.0	41.7	41.0	40.9	40.5	39.5	39.1	39.8	40.1	39.9	40.8
85°	21.4	20.3	21.1	20.7	21.1	20.7	19.5	19.5	20.3	19.9	20.7
87.5°	12.0	12.2	11.2	10.8	9.8	9.5	8.7	8.5	8.1	7.7	7.8
90°	27.9	29.0	25.6	22.1	18.6	15.1	12.8	10.5	7.0	4.6	2.3
92.5°	134.8	178.7	196.6	147.6	97.6	67.2	50.0	40.2	31.1	21.4	14.4
95°	558.8	689.0	613.5	422.9	249.8	151.0	105.7	75.5	55.8	43.0	39.5
97.5°	1142.3	1067.7	781.7	464.0	268.9	174.5	125.5	95.7	78.5	68.5	67.4
100°	1329.2	1100.3	743.6	438.0	266.1	184.7	139.4	111.5	95.3	87.1	86.0
102.5°	1338.4	1039.9	687.8	415.7	269.8	196.8	155.2	130.1	114.8	107.6	105.5
105°	1267.6	934.1	619.3	399.7	280.0	217.3	181.2	159.2	145.2	138.3	134.8
107.5°	1143.5	840.7	575.6	398.5	299.1	244.0	210.5	189.8	176.1	169.4	165.9
110°	1065.4	787.7	558.8	403.2	314.9	262.6	230.0	210.3	197.5	191.7	188.2

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	997.6	752.4	549.6	412.5	330.7	282.1	250.5	230.7	218.0	212.2	208.7
115°	915.5	714.5	546.1	427.6	356.7	312.5	281.2	261.4	249.8	242.8	238.2
117.5°	866.0	692.2	548.2	447.5	384.3	340.7	311.6	289.5	278.8	273.0	267.7
120°	840.0	682.0	551.9	462.4	402.0	360.2	331.1	309.1	297.4	291.6	288.1
122.5°	818.6	675.5	558.4	476.4	420.6	379.7	348.8	327.6	315.1	309.3	305.8
125°	791.2	666.9	568.1	498.4	447.3	406.6	375.3	353.2	340.4	333.5	331.1
127.5°	767.1	662.7	579.3	516.6	470.5	431.3	399.9	375.5	362.5	353.9	350.4
130°	754.0	659.9	586.7	528.6	484.5	446.1	414.8	390.4	376.4	366.0	362.5
132.5°	742.0	659.0	592.3	539.8	496.6	459.2	428.7	404.3	387.6	376.2	371.8
135°	726.2	657.6	600.7	554.2	514.7	478.7	447.3	422.9	405.5	392.7	388.1
137.5°	712.4	655.0	606.3	564.9	527.2	492.6	463.6	439.4	420.8	408.3	403.4
140°	704.1	654.1	610.0	570.5	535.6	501.9	472.9	449.6	431.0	419.4	413.6
142.5°	696.6	652.3	612.8	576.0	542.1	509.4	482.2	458.9	442.2	429.7	424.8
145°	686.7	649.5	614.6	582.1	550.7	520.5	493.8	474.0	456.6	446.1	442.7
147.5°	676.9	645.1	614.6	585.8	557.7	530.0	507.3	488.2	473.1	462.9	460.8
150°	670.4	641.3	614.6	586.7	562.3	535.6	514.7	498.4	483.3	474.0	472.9
152.5°	663.0	636.7	611.8	588.6	565.1	542.1	522.1	507.7	494.5	485.2	485.0
155°	651.8	628.6	608.8	589.1	570.5	550.7	534.4	521.7	510.1	503.1	503.1
157.5°	639.2	621.4	604.9	590.2	573.5	557.7	545.1	534.2	524.0	518.4	517.5
160°	630.9	615.8	603.0	590.2	576.3	562.3	550.7	542.6	533.3	528.6	528.6
162.5°	622.5	610.2	599.3	589.3	577.2	565.1	555.4	548.2	540.7	537.0	537.0
165°	611.1	601.8	593.7	586.7	578.6	569.3	561.2	556.5	550.7	548.4	549.6
167.5°	600.2	593.5	588.1	584.9	578.4	571.6	566.5	563.3	558.8	557.7	559.1
170°	593.7	587.9	584.4	582.1	577.4	571.6	569.3	567.0	563.5	562.3	564.7
172.5°	587.2	583.2	581.6	581.2	577.4	572.6	571.2	569.8	567.2	567.0	568.4
175°	579.8	577.4	577.4	578.6	576.3	574.0	572.8	572.8	570.5	571.6	572.8
177.5°	574.9	574.0	574.9	576.7	574.9	574.0	574.0	574.0	573.0	574.0	574.9
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	795.4	796.9	802.1	805.8	810.1	812.6	815.0	816.9	819.3	819.9	828.8
5°	798.9	806.6	820.0	829.9	842.2	855.6	864.8	869.0	880.1	889.3	907.7
7.5°	797.9	814.2	834.5	855.5	878.0	898.8	916.9	938.3	953.6	976.5	999.1
10°	797.0	818.8	844.9	871.7	903.1	932.2	958.3	987.4	1011.5	1043.3	1070.5
12.5°	794.3	820.7	856.8	888.5	926.7	966.8	1005.4	1042.8	1064.2	1117.1	1142.2
15°	787.4	818.8	864.0	912.3	964.8	1012.3	1061.3	1100.3	1163.5	1209.9	1239.4
17.5°	774.4	818.4	872.0	930.2	994.0	1056.6	1112.1	1171.4	1238.5	1294.5	1354.3
20°	768.3	816.5	876.3	940.6	1006.9	1077.7	1140.9	1212.2	1285.3	1340.5	1417.1
22.5°	757.0	811.6	876.0	947.7	1018.5	1091.8	1165.8	1237.6	1322.1	1398.1	1471.0
25°	738.4	799.7	866.3	946.4	1029.5	1103.0	1191.5	1286.9	1375.0	1472.6	1545.4
27.5°	719.0	784.4	851.2	925.6	1015.0	1102.3	1213.6	1321.3	1429.0	1513.4	1567.2
30°	703.9	767.5	836.5	911.5	1000.0	1103.8	1228.3	1345.8	1450.8	1523.2	1553.4
32.5°	687.7	752.2	813.2	891.9	986.2	1102.9	1237.5	1360.2	1452.0	1500.2	1494.3
35°	662.2	716.2	775.6	851.4	962.5	1096.1	1242.8	1361.5	1417.8	1407.5	1329.4
37.5°	625.4	670.9	729.3	812.3	934.9	1082.0	1232.1	1321.2	1317.5	1233.3	1120.1
40°	602.5	641.1	697.4	784.8	913.4	1072.8	1215.2	1273.1	1224.1	1106.5	970.9
42.5°	572.4	608.0	664.3	754.1	889.9	1054.1	1183.1	1199.8	1103.9	968.6	844.4
45°	525.9	557.3	615.5	708.2	854.5	1013.4	1104.6	1063.6	934.5	794.7	700.1
47.5°	475.8	508.5	564.5	659.7	803.3	952.2	995.6	908.5	775.9	662.6	575.7
50°	444.3	475.7	530.4	626.6	768.7	902.0	920.0	807.4	685.6	586.0	514.7
52.5°	412.4	442.0	495.8	592.3	728.2	843.7	832.6	717.9	605.9	521.0	465.1
55°	365.0	393.0	444.3	534.7	658.4	749.9	709.7	600.2	507.5	441.6	399.1
57.5°	322.6	349.4	393.6	475.3	582.8	645.7	594.6	502.3	428.6	377.9	346.2
60°	293.8	317.5	359.6	435.5	528.9	576.8	526.2	444.7	382.6	342.0	313.7
62.5°	266.5	287.2	326.2	395.0	476.2	516.4	465.3	396.2	343.4	307.4	283.3
65°	225.2	244.0	278.4	332.1	398.7	425.5	381.5	325.5	284.6	257.8	241.7
67.5°	187.5	203.4	233.2	275.4	324.5	344.0	310.5	267.2	236.3	214.8	202.0
70°	162.4	176.2	199.5	235.9	280.4	295.3	263.9	228.3	205.7	188.4	176.6
72.5°	141.2	151.4	172.6	200.7	237.8	249.6	227.7	196.4	175.3	162.4	153.0
75°	107.6	116.0	129.8	152.4	178.1	185.0	168.5	149.0	134.8	125.6	118.3
77.5°	77.6	83.8	93.8	107.7	125.5	131.7	121.3	108.2	97.9	91.7	87.6
80°	58.6	63.6	72.0	83.5	94.2	97.7	91.5	81.6	74.3	70.9	67.4
82.5°	43.3	46.1	51.2	59.0	66.3	70.4	65.2	59.2	55.3	52.2	50.9
85°	21.8	23.4	25.7	28.7	33.3	34.9	32.9	31.4	29.1	27.2	27.2
87.5°	8.9	9.4	11.0	12.1	13.7	15.4	15.8	15.8	16.2	15.7	15.6
90°	4.6	7.0	10.5	12.8	15.1	18.6	22.1	25.6	29.0	27.9	29.0
92.5°	21.4	31.1	40.2	50.0	67.2	97.6	147.6	196.6	178.7	134.8	97.8
95°	43.0	55.8	75.5	105.7	151.0	249.8	422.9	613.5	689.0	558.8	418.3
97.5°	68.5	78.5	95.7	125.5	174.5	268.9	464.0	781.7	1067.7	1142.3	1042.6
100°	87.1	95.3	111.5	139.4	184.7	266.1	438.0	743.6	1100.3	1329.2	1369.8
102.5°	107.6	114.8	130.1	155.2	196.8	269.8	415.7	687.8	1039.9	1338.4	1478.6
105°	138.3	145.2	159.2	181.2	217.3	280.0	399.7	619.3	934.1	1267.6	1510.4
107.5°	169.4	176.1	189.8	210.5	244.0	299.1	398.5	575.6	840.7	1143.5	1418.8
110°	191.7	197.5	210.3	230.0	262.6	314.9	403.2	558.8	787.7	1065.4	1331.5

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	212.2	218.0	230.7	250.5	282.1	330.7	412.5	549.6	752.4	997.6	1245.0
115°	242.8	249.8	261.4	281.2	312.5	356.7	427.6	546.1	714.5	915.5	1130.5
117.5°	273.0	278.8	289.5	311.6	340.7	384.3	447.5	548.2	692.2	866.0	1047.5
120°	291.6	297.4	309.1	331.1	360.2	402.0	462.4	551.9	682.0	840.0	1003.8
122.5°	309.3	315.1	327.6	348.8	379.7	420.6	476.4	558.4	675.5	818.6	969.4
125°	333.5	340.4	353.2	375.3	406.6	447.3	498.4	568.1	666.9	791.2	923.7
127.5°	353.9	362.5	375.5	399.9	431.3	470.5	516.6	579.3	662.7	767.1	883.7
130°	366.0	376.4	390.4	414.8	446.1	484.5	528.6	586.7	659.9	754.0	858.6
132.5°	376.2	387.6	404.3	428.7	459.2	496.6	539.8	592.3	659.0	742.0	835.4
135°	392.7	405.5	422.9	447.3	478.7	514.7	554.2	600.7	657.6	726.2	804.0
137.5°	408.3	420.8	439.4	463.6	492.6	527.2	564.9	606.3	655.0	712.4	775.4
140°	419.4	431.0	449.6	472.9	501.9	535.6	570.5	610.0	654.1	704.1	758.7
142.5°	429.7	442.2	458.9	482.2	509.4	542.1	576.0	612.8	652.3	696.6	742.9
145°	446.1	456.6	474.0	493.8	520.5	550.7	582.1	614.6	649.5	686.7	723.8
147.5°	462.9	473.1	488.2	507.3	530.0	557.7	585.8	614.6	645.1	676.9	708.3
150°	474.0	483.3	498.4	514.7	535.6	562.3	586.7	614.6	641.3	670.4	697.1
152.5°	485.2	494.5	507.7	522.1	542.1	565.1	588.6	611.8	636.7	663.0	686.9
155°	503.1	510.1	521.7	534.4	550.7	570.5	589.1	608.8	628.6	651.8	671.5
157.5°	518.4	524.0	534.2	545.1	557.7	573.5	590.2	604.9	621.4	639.2	655.3
160°	528.6	533.3	542.6	550.7	562.3	576.3	590.2	603.0	615.8	630.9	646.0
162.5°	537.0	540.7	548.2	555.4	565.1	577.2	589.3	599.3	610.2	622.5	634.8
165°	548.4	550.7	556.5	561.2	569.3	578.6	586.7	593.7	601.8	611.1	620.4
167.5°	557.7	558.8	563.3	566.5	571.6	578.4	584.9	588.1	593.5	600.2	607.9
170°	562.3	563.5	567.0	569.3	571.6	577.4	582.1	584.4	587.9	593.7	599.5
172.5°	567.0	567.2	569.8	571.2	572.6	577.4	581.2	581.6	583.2	587.2	592.1
175°	571.6	570.5	572.8	572.8	574.0	576.3	578.6	577.4	577.4	579.8	582.1
177.5°	574.0	573.0	574.0	574.0	574.0	574.9	576.7	574.9	574.0	574.9	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0	574.0

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	831.9	832.2	835.5	838.0	836.8	838.3	838.9
5°	908.8	922.6	929.9	935.3	935.7	936.0	939.1
7.5°	1018.0	1032.8	1043.6	1060.0	1064.9	1070.5	1068.9
10°	1097.7	1119.5	1138.3	1148.2	1158.9	1174.6	1162.0
12.5°	1172.1	1210.8	1239.4	1254.8	1265.0	1268.1	1261.9
15°	1294.9	1345.5	1372.7	1371.9	1406.4	1421.3	1397.9
17.5°	1407.5	1454.2	1491.5	1510.7	1539.4	1545.8	1542.9
20°	1476.4	1527.4	1556.5	1589.4	1604.4	1617.8	1620.1
22.5°	1535.9	1581.6	1612.9	1640.3	1652.8	1659.1	1663.0
25°	1597.1	1633.1	1651.9	1661.4	1664.9	1664.1	1659.1
27.5°	1592.9	1595.6	1575.0	1554.7	1536.5	1516.0	1509.0
30°	1551.5	1519.3	1461.9	1429.3	1381.5	1343.5	1358.9
32.5°	1442.7	1378.7	1314.2	1243.0	1184.1	1167.4	1150.5
35°	1231.3	1118.7	1052.9	976.3	945.6	915.0	893.9
37.5°	996.2	909.1	830.9	780.8	750.1	730.8	720.3
40°	861.4	782.8	718.5	677.9	654.5	632.7	629.6
42.5°	753.8	680.8	632.4	600.1	577.6	568.4	561.6
45°	617.4	566.4	533.9	510.9	496.0	490.2	482.6
47.5°	522.6	486.6	462.1	446.5	435.2	430.9	430.3
50°	469.6	439.7	421.7	409.4	400.6	399.1	393.0
52.5°	429.7	403.8	389.8	379.1	372.7	368.4	366.6
55°	373.0	355.8	343.2	337.0	332.1	327.8	327.8
57.5°	326.4	312.0	303.6	298.4	296.9	293.9	292.0
60°	297.6	285.3	278.8	274.2	271.2	271.5	268.1
62.5°	269.4	261.4	255.2	250.6	247.0	247.0	247.3
65°	229.4	223.3	218.7	217.2	214.9	212.2	212.9
67.5°	194.4	188.7	185.1	182.5	181.7	180.2	182.5
70°	169.3	165.1	162.4	160.1	159.3	159.7	161.6
72.5°	146.3	143.3	141.6	140.5	138.8	138.9	140.2
75°	114.9	112.6	111.1	109.9	109.5	109.5	109.5
77.5°	84.4	83.9	83.2	81.5	81.6	82.0	82.1
80°	66.6	65.5	65.1	64.3	63.2	62.4	64.3
82.5°	49.8	48.6	48.3	48.1	46.3	46.2	47.8
85°	26.8	25.7	26.0	25.7	25.7	25.3	25.3
87.5°	15.5	15.5	15.6	15.7	15.6	15.6	15.9
90°	30.2	31.4	33.7	32.5	33.7	34.9	33.7
92.5°	77.6	68.5	62.5	60.4	56.9	58.1	56.0
95°	283.5	221.9	180.1	158.0	147.6	139.4	134.8
97.5°	835.1	685.3	546.3	460.6	408.3	376.9	366.9
100°	1275.7	1139.8	974.8	857.4	772.6	727.3	728.5
102.5°	1475.5	1396.3	1291.7	1200.4	1133.3	1095.4	1068.7
105°	1626.6	1648.7	1618.5	1565.0	1520.9	1483.7	1477.9
107.5°	1607.5	1709.3	1750.7	1751.6	1736.7	1724.2	1713.5
110°	1545.3	1691.7	1773.0	1805.5	1814.8	1812.5	1810.2

TEST NUMBER: P331948

CATALOG NUMBER: S123DIP-S560D1195U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1463.5	1627.5	1732.1	1791.6	1820.4	1829.2	1829.7
115°	1332.6	1503.4	1630.1	1717.2	1768.3	1791.6	1797.4
117.5°	1222.0	1375.4	1503.9	1594.8	1653.3	1686.8	1694.7
120°	1160.7	1300.1	1417.5	1509.2	1574.3	1602.2	1609.2
122.5°	1111.4	1240.6	1349.6	1431.2	1489.7	1520.4	1529.2
125°	1050.3	1161.8	1254.8	1329.2	1380.3	1409.3	1417.5
127.5°	996.6	1097.2	1181.8	1248.1	1291.7	1318.0	1325.4
130°	963.2	1057.3	1136.3	1197.9	1239.7	1264.1	1273.4
132.5°	931.6	1019.2	1094.5	1152.3	1194.1	1215.8	1222.3
135°	886.5	962.0	1028.2	1085.2	1120.0	1140.9	1149.1
137.5°	843.0	908.1	965.5	1013.4	1048.7	1066.3	1071.7
140°	817.9	873.7	923.7	967.8	1000.4	1018.9	1017.8
142.5°	793.8	842.1	885.6	923.2	952.0	968.7	967.6
145°	762.2	799.4	833.0	862.1	886.5	895.8	898.1
147.5°	738.7	768.7	792.6	814.7	831.2	840.0	840.9
150°	723.8	748.2	770.3	787.7	800.5	807.5	807.5
152.5°	709.9	731.5	749.9	763.6	775.4	779.6	779.6
155°	690.1	707.6	721.5	732.0	741.3	743.6	744.7
157.5°	670.9	684.3	695.2	704.3	711.3	713.1	712.9
160°	658.8	670.4	678.5	686.7	693.6	693.6	692.5
162.5°	645.8	656.4	663.6	669.0	675.0	675.0	673.9
165°	627.4	635.5	641.3	646.0	650.6	649.5	649.5
167.5°	613.2	617.9	622.1	624.1	627.4	626.2	626.2
170°	603.0	607.6	610.0	611.1	613.5	612.3	612.3
172.5°	594.6	598.4	599.7	600.0	602.3	600.2	599.3
175°	583.2	585.6	585.6	585.6	586.7	585.6	584.4
177.5°	576.7	577.7	577.7	576.7	577.7	575.8	575.8
180°	574.0	574.0	574.0	574.0	574.0	574.0	574.0

(END OF REPORT)