

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1011854

Luminaire Tested: S123DIP-B560D805UB27-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011854
REPORT IS A COMBINATION OF REPORTS P990160 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D805UB27-4F0-XX-W2A-A1
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

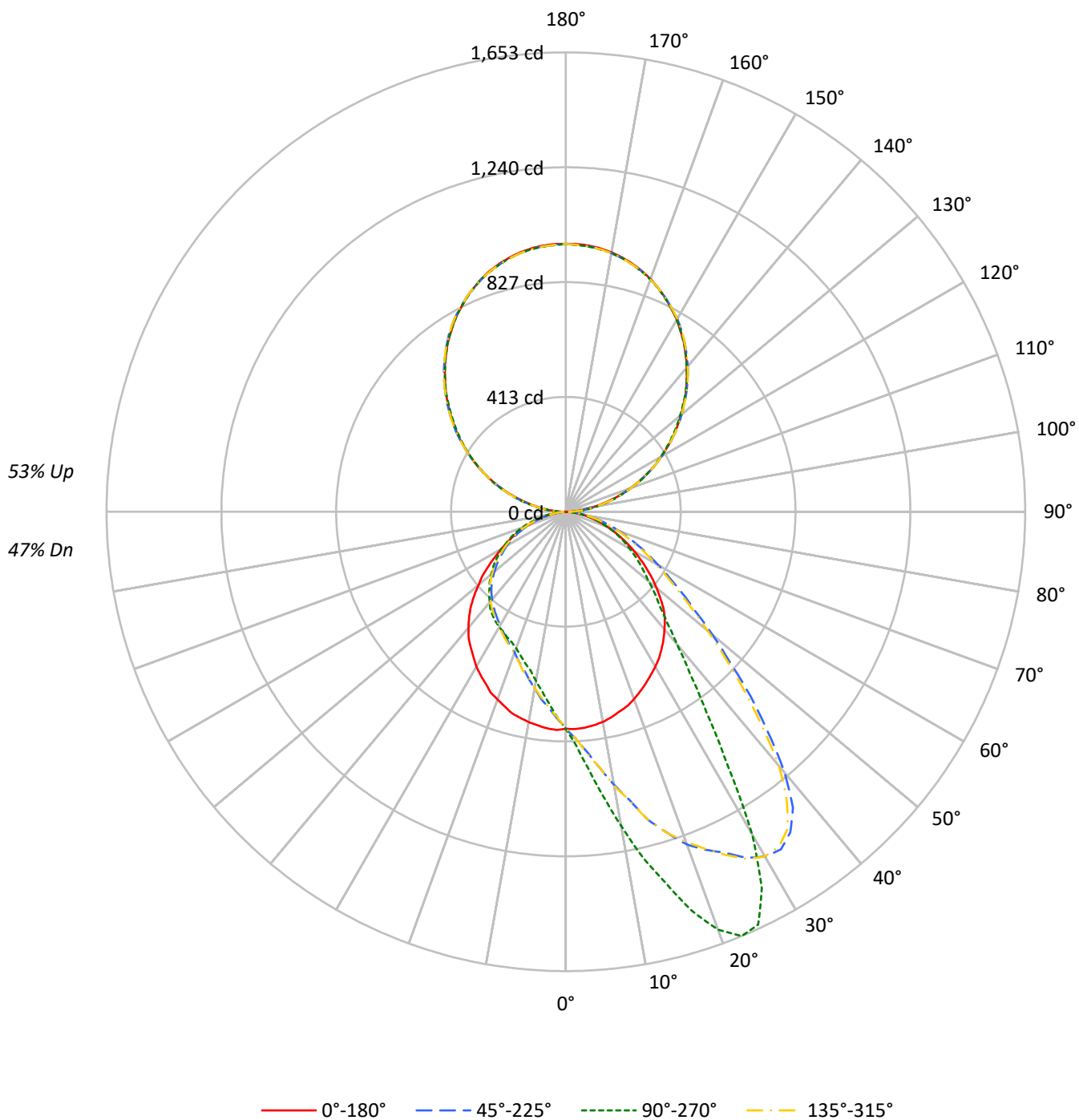
Lumens per Lamp: N/A
Luminaire Lumens: 5028.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53
1	97	93	89	86	89	86	83	80	72	70	68	59	58	56	47	46	46
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	34	31	29
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	30	27	25
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22
7	58	46	38	33	53	43	36	31	37	31	27	31	26	23	25	22	20
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	21	18	16
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8402	8402	8402	8402
5°	8408	9682	8432	7225
10°	8354	11716	8363	6310
15°	8239	13894	8307	5680
20°	8140	15996	8157	5226
25°	7992	16400	8010	4990
30°	7887	13549	7887	4835
35°	7756	9061	7707	4697
40°	7600	6542	7506	4488
45°	7403	5181	7189	4227
50°	6926	4400	6678	3971
55°	6400	3866	6141	3686
60°	5868	3366	5557	3387
65°	5284	2883	5028	2986
70°	4676	2393	4367	2517
75°	3998	1805	3739	1944
80°	3160	1204	2915	1276
85°	2180	554	1748	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.5
10°-20°	246.6	4.9
20°-30°	414.9	8.3
30°-40°	468.9	9.3
40°-50°	419.9	8.4
50°-60°	339.0	6.7
60°-70°	236.2	4.7
70°-80°	124.0	2.5
80°-90°	31.8	0.6
90°-100°	62.0	1.2
100°-110°	187.7	3.7
110°-120°	319.6	6.4
120°-130°	420.5	8.4
130°-140°	472.6	9.4
140°-150°	464.7	9.2
150°-160°	391.2	7.8
160°-170°	260.4	5.2
170°-180°	91.2	1.8
0°-30°	738.2	14.7
0°-40°	1207.1	24.0
0°-60°	1966.1	39.1
0°-90°	2358.0	46.9
90°-120°	569.4	11.3
90°-150°	1927.2	38.3
90°-180°	2670.0	53.1
0°-180°	5028.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	781	781	781	781	781	
5°	780	927	782	692	780	74
15°	744	1380	750	564	744	210
25°	681	1638	682	498	681	314
35°	601	883	597	458	601	376
45°	498	476	484	389	498	381
55°	353	324	339	309	353	316
65°	219	210	208	218	219	218
75°	105	108	98	116	105	113
85°	23	25	18	23	23	26
90°	1	23	1	23	1	5
95°	45	59	45	59	45	49
105°	170	180	170	180	170	182
115°	322	322	322	322	322	318
125°	471	466	471	466	471	420
135°	611	610	611	610	611	471
145°	741	741	741	741	741	463
155°	848	847	848	847	848	391
165°	924	921	924	921	924	261
175°	961	958	961	958	961	91
180°	964	964	964	964	964	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	782.9	788.9	792.0	796.5	801.0	807.8	810.1	813.9	812.4	815.4	816.9
5°	779.9	790.4	799.5	810.9	821.5	829.0	836.6	848.7	857.8	859.3	866.1
7.5°	774.6	789.7	805.6	821.5	841.9	854.0	867.6	884.2	897.9	919.8	928.1
10°	767.7	788.9	811.6	833.6	861.5	880.5	897.1	925.1	953.1	975.8	996.9
12.5°	757.2	783.6	813.1	845.7	882.0	903.9	926.6	963.7	1006.0	1040.8	1063.5
15°	744.3	777.6	815.4	850.2	890.3	931.1	955.3	996.9	1057.5	1090.0	1148.2
17.5°	733.7	767.7	805.6	860.0	914.5	955.3	972.7	1049.1	1090.7	1145.2	1211.0
20°	717.1	760.2	808.6	863.1	933.4	958.4	993.9	1071.1	1122.5	1193.6	1274.5
22.5°	699.7	745.8	804.1	860.8	939.5	965.9	1014.3	1075.6	1157.3	1227.6	1316.9
25°	680.8	730.7	789.7	857.0	934.2	972.7	1018.1	1093.8	1182.3	1270.8	1353.2
27.5°	661.9	716.3	777.6	844.9	919.8	965.2	1010.6	1089.2	1202.7	1298.7	1403.9
30°	643.7	698.2	759.4	828.3	906.9	950.8	993.9	1092.2	1218.6	1326.7	1432.6
32.5°	624.0	680.0	744.3	801.8	881.2	928.1	976.5	1092.2	1228.4	1343.4	1440.2
35°	600.6	658.1	713.3	770.8	849.4	901.6	956.1	1084.7	1237.5	1348.7	1408.4
37.5°	577.9	628.6	676.2	732.2	814.6	870.6	933.4	1075.6	1232.9	1326.0	1342.6
40°	552.2	602.9	641.4	693.6	780.6	845.7	909.2	1063.5	1213.3	1272.3	1223.9
42.5°	527.2	567.3	600.6	651.3	745.8	809.4	878.2	1041.6	1174.7	1186.8	1077.9
45°	498.5	527.2	556.7	614.2	708.0	773.0	849.4	1009.8	1112.7	1077.9	940.2
47.5°	461.4	487.1	519.6	572.6	667.9	735.2	807.8	969.0	1022.7	950.0	799.5
50°	425.9	447.8	478.0	529.5	625.5	691.4	768.5	904.7	931.1	816.9	689.1
52.5°	390.3	406.9	436.4	487.9	583.9	647.5	717.8	838.9	823.7	701.2	587.7
55°	353.2	367.6	395.6	446.3	535.5	596.0	663.4	757.9	718.6	602.1	511.3
57.5°	316.9	332.1	360.8	403.2	487.1	546.1	599.8	674.0	615.0	521.9	441.7
60°	284.4	297.3	319.2	360.8	437.2	484.9	534.0	584.7	535.5	445.5	384.3
62.5°	250.4	262.5	282.9	320.7	386.5	428.9	468.2	509.8	455.4	389.5	335.1
65°	218.6	228.4	247.3	282.1	335.8	370.6	402.4	431.1	387.3	326.8	285.9
67.5°	189.9	198.2	214.1	245.1	290.5	315.4	341.1	365.3	328.3	279.9	245.1
70°	158.8	165.7	180.0	202.7	239.0	264.7	283.7	301.8	268.5	229.9	206.5
72.5°	131.6	138.4	147.5	170.9	195.9	211.8	232.2	242.0	223.1	191.4	167.9
75°	105.1	110.4	118.8	133.9	157.3	167.9	180.8	188.3	170.9	149.8	135.4
77.5°	82.4	84.7	90.8	101.4	117.2	129.3	139.2	143.7	131.6	118.0	105.9
80°	58.2	61.3	65.8	74.9	87.0	90.8	96.8	102.1	94.6	82.4	74.9
82.5°	38.6	42.4	44.6	48.4	56.0	60.5	62.0	66.6	59.8	55.2	52.2
85°	22.7	24.2	25.0	27.2	31.0	33.3	35.6	36.3	34.8	34.0	31.0
87.5°	11.3	11.3	11.3	12.9	13.6	15.1	15.9	15.9	15.9	15.1	14.4
90°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.8	16.0	18.2
92.5°	22.7	23.7	24.7	25.8	26.8	27.3	27.8	28.8	29.8	30.8	31.8
95°	44.7	45.9	47.1	48.2	49.4	50.0	50.7	52.0	53.3	54.7	56.0
97.5°	73.4	74.2	75.1	75.9	76.8	77.2	77.7	78.7	79.8	80.8	81.8
100°	102.9	103.9	104.9	106.0	107.0	107.5	107.9	108.8	109.6	110.5	111.3
102.5°	137.0	137.5	138.0	138.5	139.0	139.3	139.9	141.1	142.2	143.4	144.6
105°	170.3	170.6	171.0	171.3	171.6	171.8	172.6	174.1	175.6	177.1	178.6
107.5°	209.7	209.9	210.0	210.2	210.3	210.4	210.7	211.4	212.1	212.8	213.5
110°	246.0	246.3	246.7	247.0	247.3	247.5	247.7	248.0	248.3	248.7	249.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	283.9	284.1	284.2	284.4	284.5	284.6	284.6	284.6	284.6	284.6	284.6
115°	321.7	322.2	322.7	323.2	323.7	324.0	323.8	323.5	323.2	322.8	322.5
117.5°	360.3	360.5	360.7	360.8	361.0	361.1	360.9	360.6	360.3	359.9	359.6
120°	395.9	396.9	397.9	398.9	399.9	400.4	400.0	399.1	398.3	397.4	396.6
122.5°	433.0	433.7	434.3	435.0	435.7	436.0	435.8	435.5	435.2	434.8	434.5
125°	470.8	471.3	471.8	472.3	472.8	473.1	472.9	472.6	472.3	471.9	471.6
127.5°	505.6	506.6	507.6	508.7	509.7	510.2	510.0	509.7	509.4	509.0	508.7
130°	540.5	541.8	543.2	544.5	545.8	546.5	546.2	545.7	545.2	544.7	544.2
132.5°	575.3	576.6	578.0	579.3	580.6	581.3	581.1	580.8	580.5	580.1	579.8
135°	610.9	611.9	612.9	613.9	614.9	615.4	615.3	615.1	615.0	614.8	614.6
137.5°	643.4	644.2	645.1	645.9	646.8	647.2	647.5	648.0	648.5	649.0	649.5
140°	677.5	678.3	679.2	680.0	680.9	681.3	681.4	681.5	681.7	681.8	682.0
142.5°	708.5	709.3	710.2	711.0	711.9	712.3	712.5	712.8	713.1	713.5	713.8
145°	741.1	741.4	741.8	742.1	742.4	742.6	742.8	743.3	743.8	744.3	744.8
147.5°	769.1	769.8	770.4	771.1	771.8	772.1	772.4	772.9	773.4	773.9	774.4
150°	798.6	798.9	799.3	799.6	799.9	800.1	800.3	800.6	800.9	801.3	801.6
152.5°	822.8	823.3	823.8	824.3	824.8	825.1	825.2	825.3	825.5	825.6	825.8
155°	848.5	848.5	848.5	848.5	848.5	848.5	848.6	848.8	848.9	849.1	849.3
157.5°	870.5	870.3	870.1	870.0	869.8	869.7	869.8	870.0	870.1	870.3	870.5
160°	890.9	890.6	890.2	889.9	889.6	889.4	889.4	889.4	889.4	889.4	889.4
162.5°	909.1	908.6	908.1	907.6	907.1	906.8	906.9	907.1	907.2	907.4	907.6
165°	924.2	923.7	923.2	922.7	922.2	922.0	922.0	922.0	922.0	922.0	922.0
167.5°	937.1	936.4	935.8	935.1	934.4	934.1	934.2	934.3	934.5	934.6	934.8
170°	947.7	947.0	946.4	945.7	945.0	944.7	944.7	944.7	944.7	944.7	944.7
172.5°	956.0	955.3	954.7	954.0	953.3	953.0	953.0	953.0	953.0	953.0	953.0
175°	961.3	960.6	960.0	959.3	958.6	958.3	958.3	958.3	958.3	958.3	958.3
177.5°	964.4	963.7	963.0	962.3	961.6	961.3	961.3	961.3	961.3	961.3	961.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	822.2	823.7	829.0	832.8	840.4	839.6	839.6	838.9	836.6	840.4	842.6
5°	879.7	892.6	894.1	910.7	911.5	918.3	922.8	919.0	928.1	927.4	920.5
7.5°	950.8	968.2	976.5	992.4	1010.6	1006.0	1023.4	1026.4	1024.9	1032.5	1037.8
10°	1028.7	1059.0	1080.1	1109.6	1117.2	1121.7	1133.1	1142.9	1162.6	1147.5	1157.3
12.5°	1118.0	1139.9	1167.9	1214.8	1238.2	1253.4	1258.7	1265.5	1279.1	1270.8	1271.5
15°	1192.8	1222.3	1270.0	1328.2	1335.1	1354.0	1349.4	1390.3	1409.9	1380.4	1397.1
17.5°	1270.8	1310.1	1366.8	1417.5	1446.2	1459.1	1471.2	1510.5	1509.0	1504.5	1508.3
20°	1320.7	1385.0	1455.3	1522.6	1531.0	1540.8	1573.3	1590.0	1586.9	1599.8	1608.1
22.5°	1391.0	1459.1	1534.0	1578.6	1597.5	1608.9	1634.6	1645.2	1649.7	1652.7	1647.4
25°	1450.0	1522.6	1577.9	1617.2	1628.5	1634.6	1642.9	1645.9	1643.7	1638.4	1642.9
27.5°	1490.1	1548.4	1586.2	1604.3	1598.3	1588.4	1572.6	1562.0	1538.5	1527.2	1540.8
30°	1506.8	1532.5	1543.8	1513.6	1483.3	1459.1	1428.8	1372.9	1329.0	1341.9	1324.5
32.5°	1480.3	1463.6	1409.2	1331.3	1307.8	1268.5	1183.0	1117.2	1119.5	1084.7	1099.1
35°	1402.4	1326.7	1223.9	1105.9	1074.8	1053.7	959.9	945.5	915.2	882.7	891.8
37.5°	1264.7	1154.3	1029.5	942.5	896.3	850.2	797.2	765.5	747.3	733.7	744.3
40°	1096.8	962.1	859.3	781.4	742.0	712.5	676.2	644.5	624.0	621.8	625.5
42.5°	931.9	818.4	723.9	649.8	636.9	602.1	578.6	553.7	547.6	537.8	543.1
45°	788.9	696.6	618.7	558.2	543.1	534.0	505.3	489.4	482.6	476.5	485.6
47.5°	685.3	588.5	531.8	495.4	480.3	465.2	449.3	438.7	433.4	434.2	433.4
50°	585.5	514.4	464.4	436.4	427.4	416.8	403.9	397.1	394.8	388.0	393.3
52.5°	503.8	452.3	417.5	391.1	384.3	376.7	366.1	362.3	357.0	355.5	355.5
55°	438.0	397.9	369.9	352.5	344.2	338.1	332.1	327.5	323.7	323.7	323.7
57.5°	386.5	351.7	331.3	316.2	313.2	307.1	300.3	300.3	295.0	294.2	296.5
60°	342.7	311.6	295.8	282.9	278.4	276.8	270.0	270.0	268.5	264.7	267.8
62.5°	298.0	275.3	261.7	251.9	247.3	247.3	242.0	238.3	238.3	239.0	237.5
65°	257.2	240.5	228.4	220.9	218.6	215.6	214.8	211.8	209.5	210.3	209.5
67.5°	220.9	208.0	199.7	193.6	189.9	188.3	186.1	186.1	184.6	185.3	181.5
70°	188.3	175.5	168.7	162.6	161.1	161.1	158.1	158.8	157.3	159.6	158.1
72.5°	155.1	145.2	139.9	137.7	136.2	135.4	133.9	132.4	131.6	133.1	132.4
75°	125.6	117.2	113.5	111.9	110.4	110.4	109.7	108.9	108.2	108.2	108.2
77.5°	97.6	92.3	87.7	89.3	87.0	87.7	85.5	85.5	86.2	85.5	85.5
80°	71.9	68.1	68.1	66.6	63.5	65.1	65.1	62.8	62.0	63.5	61.3
82.5°	47.7	46.9	45.4	44.6	43.1	43.9	43.1	42.4	41.6	43.1	41.6
85°	28.0	28.0	27.2	25.7	27.2	26.5	25.7	25.7	25.0	25.0	25.0
87.5°	14.4	12.9	12.9	12.1	12.9	11.3	12.1	11.3	10.6	11.3	10.6
90°	18.9	19.5	20.2	20.9	21.2	21.4	21.7	22.0	22.4	22.7	22.4
92.5°	32.3	32.8	33.3	33.8	34.1	33.9	33.6	33.2	32.9	32.5	32.9
95°	56.7	57.3	58.0	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
97.5°	82.6	83.4	84.3	85.1	85.5	85.4	85.3	85.1	85.0	84.8	85.0
100°	111.8	112.3	112.8	113.3	113.5	113.7	114.0	114.4	114.7	115.1	114.7
102.5°	145.1	145.6	146.1	146.6	146.8	146.7	146.6	146.4	146.3	146.1	146.3
105°	178.6	178.6	178.6	178.6	178.6	178.8	179.1	179.5	179.8	180.2	179.8
107.5°	214.0	214.5	215.0	215.5	215.7	215.6	215.5	215.3	215.2	215.0	215.2
110°	249.7	250.4	251.1	251.8	252.1	251.9	251.6	251.3	250.9	250.6	250.9

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	285.4	286.3	287.1	288.0	288.4	288.4	288.4	288.4	288.4	288.4	288.4
115°	322.7	322.8	323.0	323.1	323.2	323.1	323.0	322.8	322.7	322.5	322.7
117.5°	359.6	359.6	359.6	359.6	359.6	359.3	358.8	358.3	357.8	357.3	357.8
120°	396.4	396.3	396.1	396.0	395.9	395.7	395.4	395.1	394.7	394.4	394.7
122.5°	434.0	433.5	433.0	432.5	432.2	431.9	431.4	430.9	430.4	429.9	430.4
125°	470.9	470.3	469.6	468.9	468.6	468.3	467.6	466.9	466.2	465.5	466.2
127.5°	507.7	506.7	505.6	504.6	504.1	503.8	503.1	502.4	501.8	501.1	501.8
130°	543.5	542.9	542.2	541.5	541.2	540.6	539.4	538.3	537.1	535.9	537.1
132.5°	579.0	578.1	577.3	576.4	576.0	575.6	574.8	573.9	573.1	572.3	573.1
135°	613.9	613.3	612.6	611.9	611.6	611.4	611.1	610.8	610.4	610.1	610.4
137.5°	648.7	647.8	647.0	646.1	645.7	645.4	644.9	644.4	643.9	643.4	643.9
140°	681.8	681.7	681.5	681.4	681.3	680.7	679.5	678.4	677.2	676.0	677.2
142.5°	713.6	713.4	713.3	713.1	713.0	712.6	711.8	710.9	710.1	709.3	710.1
145°	744.6	744.5	744.3	744.2	744.1	743.8	743.1	742.4	741.8	741.1	741.8
147.5°	774.4	774.4	774.4	774.4	774.4	773.9	772.9	771.8	770.8	769.8	770.8
150°	801.6	801.6	801.6	801.6	801.6	801.1	800.1	799.1	798.1	797.1	798.1
152.5°	826.1	826.5	826.8	827.1	827.3	826.9	826.1	825.2	824.4	823.6	824.4
155°	850.0	850.6	851.3	852.0	852.3	851.7	850.5	849.4	848.2	847.0	848.2
157.5°	871.2	871.8	872.5	873.2	873.5	873.0	872.0	871.0	870.0	869.0	870.0
160°	890.2	891.1	891.9	892.8	893.2	892.9	892.2	891.5	890.9	890.2	890.9
162.5°	908.4	909.3	910.1	911.0	911.4	910.8	909.6	908.5	907.3	906.1	907.3
165°	923.0	924.0	925.0	926.0	926.5	925.9	924.7	923.6	922.4	921.2	922.4
167.5°	935.8	936.8	937.9	938.9	939.4	938.9	937.9	936.8	935.8	934.8	935.8
170°	945.9	947.1	948.2	949.4	950.0	949.4	948.2	947.1	945.9	944.7	945.9
172.5°	954.0	955.0	956.0	957.0	957.5	956.9	955.7	954.6	953.4	952.2	953.4
175°	959.3	960.3	961.3	962.3	962.8	962.2	961.0	959.9	958.7	957.5	958.7
177.5°	962.3	963.3	964.4	965.4	965.9	965.3	964.1	963.0	961.8	960.6	961.8
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	836.6	838.9	832.8	831.3	831.3	834.3	832.0	811.6	815.4	810.9	809.4
5°	928.9	924.3	918.3	915.2	911.5	900.9	900.1	876.7	872.1	857.0	850.2
7.5°	1030.2	1026.4	1008.3	1006.0	1004.5	994.7	969.7	944.7	926.6	909.2	892.6
10°	1146.0	1134.6	1126.3	1109.6	1101.3	1087.7	1055.2	1031.7	1000.7	974.2	939.5
12.5°	1285.1	1272.3	1244.3	1232.2	1221.6	1183.8	1151.2	1124.8	1064.3	1046.1	1003.0
15°	1387.2	1360.0	1357.0	1330.5	1329.0	1287.4	1225.4	1196.6	1149.7	1083.2	1038.5
17.5°	1497.7	1473.5	1454.6	1422.8	1418.3	1378.9	1333.5	1263.2	1211.8	1148.2	1091.5
20°	1578.6	1565.8	1533.2	1520.4	1493.9	1460.6	1413.7	1326.7	1263.9	1200.4	1130.8
22.5°	1642.9	1630.0	1604.3	1586.9	1571.8	1528.7	1472.7	1398.6	1312.4	1229.2	1157.3
25°	1642.2	1638.4	1627.8	1619.5	1608.1	1576.3	1529.4	1458.3	1362.3	1270.8	1170.9
27.5°	1549.1	1559.7	1577.9	1586.9	1584.7	1580.1	1553.7	1493.9	1407.7	1298.7	1186.8
30°	1355.5	1394.1	1428.1	1473.5	1487.1	1520.4	1535.5	1501.5	1432.6	1331.3	1207.2
32.5°	1124.0	1180.0	1254.1	1279.1	1322.2	1386.5	1458.3	1471.2	1428.1	1350.2	1220.1
35°	922.1	968.2	1025.7	1065.0	1103.6	1208.0	1298.7	1377.4	1391.8	1340.3	1217.1
37.5°	763.2	795.7	846.4	879.7	915.2	1004.5	1131.6	1233.7	1305.6	1307.1	1208.7
40°	648.2	662.6	706.5	730.7	764.7	841.9	955.3	1088.5	1193.6	1242.0	1186.8
42.5°	549.1	568.1	604.4	622.5	644.5	711.8	786.7	913.0	1043.1	1146.7	1146.0
45°	490.1	503.8	520.4	535.5	560.5	600.6	686.1	780.6	905.4	1022.7	1068.8
47.5°	438.0	450.8	467.5	472.0	488.6	526.5	578.6	661.1	777.6	894.1	981.1
50°	394.1	404.7	416.0	424.3	431.9	462.9	502.3	571.8	664.9	777.6	885.7
52.5°	360.0	367.6	377.4	382.0	388.8	411.5	441.7	493.2	569.6	672.4	777.6
55°	328.3	333.6	339.6	347.2	350.2	366.9	390.3	434.2	490.9	583.2	683.0
57.5°	298.8	301.0	304.8	309.4	313.2	327.5	347.9	377.4	427.4	498.5	593.0
60°	265.5	271.5	273.8	278.4	280.6	292.0	307.9	332.8	371.4	432.7	503.8
62.5°	237.5	241.3	245.1	247.3	252.6	256.4	269.3	292.0	323.7	369.1	433.4
65°	212.5	214.1	216.3	218.6	220.1	224.7	236.8	251.9	276.1	316.2	366.1
67.5°	183.8	185.3	188.3	189.1	190.6	196.7	203.5	216.3	236.8	267.0	307.9
70°	155.8	158.1	159.6	161.1	163.4	165.7	173.2	183.8	199.7	220.9	252.6
72.5°	131.6	133.9	133.9	135.4	134.6	137.7	145.2	152.8	163.4	180.8	208.8
75°	107.4	107.4	108.9	109.7	110.4	113.5	116.5	122.5	130.9	144.5	161.9
77.5°	84.7	84.0	85.5	85.5	85.5	87.7	90.8	93.8	99.1	108.9	122.5
80°	62.0	62.0	63.5	64.3	62.8	63.5	65.1	68.1	71.9	78.7	86.2
82.5°	40.8	43.9	43.1	43.9	43.1	44.6	45.4	46.1	47.7	50.7	56.0
85°	25.0	25.0	25.0	25.7	25.0	25.7	25.7	25.7	26.5	28.0	30.3
87.5°	10.6	10.6	10.6	11.3	10.6	10.6	11.3	10.6	11.3	11.3	12.1
90°	22.0	21.7	21.4	21.2	20.9	20.2	19.5	18.9	18.2	16.0	13.8
92.5°	33.2	33.6	33.9	34.1	33.8	33.3	32.8	32.3	31.8	30.8	29.8
95°	59.0	59.0	59.0	59.0	58.7	58.0	57.3	56.7	56.0	54.7	53.3
97.5°	85.1	85.3	85.4	85.5	85.1	84.3	83.4	82.6	81.8	80.8	79.8
100°	114.4	114.0	113.7	113.5	113.3	112.8	112.3	111.8	111.3	110.5	109.6
102.5°	146.4	146.6	146.7	146.8	146.6	146.1	145.6	145.1	144.6	143.4	142.2
105°	179.5	179.1	178.8	178.6	178.6	178.6	178.6	178.6	178.6	177.1	175.6
107.5°	215.3	215.5	215.6	215.7	215.5	215.0	214.5	214.0	213.5	212.8	212.1
110°	251.3	251.6	251.9	252.1	251.8	251.1	250.4	249.7	249.0	248.7	248.3

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	288.4	288.4	288.4	288.4	288.0	287.1	286.3	285.4	284.6	284.6	284.6
115°	322.8	323.0	323.1	323.2	323.1	323.0	322.8	322.7	322.5	322.8	323.2
117.5°	358.3	358.8	359.3	359.6	359.6	359.6	359.6	359.6	359.6	359.9	360.3
120°	395.1	395.4	395.7	395.9	396.0	396.1	396.3	396.4	396.6	397.4	398.3
122.5°	430.9	431.4	431.9	432.2	432.5	433.0	433.5	434.0	434.5	434.8	435.2
125°	466.9	467.6	468.3	468.6	468.9	469.6	470.3	470.9	471.6	471.9	472.3
127.5°	502.4	503.1	503.8	504.1	504.6	505.6	506.7	507.7	508.7	509.0	509.4
130°	538.3	539.4	540.6	541.2	541.5	542.2	542.9	543.5	544.2	544.7	545.2
132.5°	573.9	574.8	575.6	576.0	576.4	577.3	578.1	579.0	579.8	580.1	580.5
135°	610.8	611.1	611.4	611.6	611.9	612.6	613.3	613.9	614.6	614.8	615.0
137.5°	644.4	644.9	645.4	645.7	646.1	647.0	647.8	648.7	649.5	649.0	648.5
140°	678.4	679.5	680.7	681.3	681.4	681.5	681.7	681.8	682.0	681.8	681.7
142.5°	710.9	711.8	712.6	713.0	713.1	713.3	713.4	713.6	713.8	713.5	713.1
145°	742.4	743.1	743.8	744.1	744.2	744.3	744.5	744.6	744.8	744.3	743.8
147.5°	771.8	772.9	773.9	774.4	774.4	774.4	774.4	774.4	774.4	773.9	773.4
150°	799.1	800.1	801.1	801.6	801.6	801.6	801.6	801.6	801.6	801.3	800.9
152.5°	825.2	826.1	826.9	827.3	827.1	826.8	826.5	826.1	825.8	825.6	825.5
155°	849.4	850.5	851.7	852.3	852.0	851.3	850.6	850.0	849.3	849.1	848.9
157.5°	871.0	872.0	873.0	873.5	873.2	872.5	871.8	871.2	870.5	870.3	870.1
160°	891.5	892.2	892.9	893.2	892.8	891.9	891.1	890.2	889.4	889.4	889.4
162.5°	908.5	909.6	910.8	911.4	911.0	910.1	909.3	908.4	907.6	907.4	907.2
165°	923.6	924.7	925.9	926.5	926.0	925.0	924.0	923.0	922.0	922.0	922.0
167.5°	936.8	937.9	938.9	939.4	938.9	937.9	936.8	935.8	934.8	934.6	934.5
170°	947.1	948.2	949.4	950.0	949.4	948.2	947.1	945.9	944.7	944.7	944.7
172.5°	954.6	955.7	956.9	957.5	957.0	956.0	955.0	954.0	953.0	953.0	953.0
175°	959.9	961.0	962.2	962.8	962.3	961.3	960.3	959.3	958.3	958.3	958.3
177.5°	963.0	964.1	965.3	965.9	965.4	964.4	963.3	962.3	961.3	961.3	961.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	801.8	799.5	799.5	798.0	793.5	785.1	784.4	785.9	781.4	776.8	770.0
5°	841.1	826.7	822.2	817.7	808.6	793.5	787.4	782.1	773.8	764.0	753.4
7.5°	874.4	854.0	847.9	839.6	821.5	800.3	786.7	775.3	764.0	750.4	737.5
10°	916.0	886.5	872.1	860.0	835.1	805.6	785.1	768.5	750.4	733.7	717.1
12.5°	962.9	915.2	910.7	881.2	852.5	808.6	783.6	759.4	735.2	714.8	697.4
15°	1002.2	950.0	931.1	911.5	856.2	801.8	777.6	750.4	722.4	700.4	674.7
17.5°	1027.2	984.1	944.0	917.5	860.0	811.6	764.7	733.7	704.2	674.0	652.8
20°	1057.5	994.7	959.9	924.3	867.6	804.1	757.2	718.6	682.3	655.0	629.3
22.5°	1087.7	1003.0	974.2	935.7	869.1	796.5	743.5	705.0	663.4	636.1	608.1
25°	1084.7	1015.1	967.4	934.9	854.0	789.7	727.7	682.3	643.7	608.9	580.9
27.5°	1087.0	1001.5	953.1	915.2	843.4	779.9	711.0	663.4	623.3	587.0	557.5
30°	1087.7	981.1	938.7	893.3	823.7	756.4	692.1	643.7	601.3	562.0	535.5
32.5°	1085.4	964.4	911.5	870.6	792.7	733.7	670.2	618.7	575.6	539.3	514.4
35°	1080.1	944.7	883.5	832.0	760.9	701.2	649.8	596.8	550.7	517.4	488.6
37.5°	1065.8	923.6	854.0	803.3	723.9	663.4	618.0	574.1	529.5	490.1	465.9
40°	1055.2	894.8	824.5	769.3	683.8	624.8	587.0	545.4	501.5	465.9	442.5
42.5°	1031.0	867.6	794.2	728.4	644.5	583.9	548.4	515.1	477.3	442.5	421.3
45°	991.6	838.1	757.2	690.6	601.3	543.9	511.3	484.1	450.8	417.5	396.4
47.5°	936.4	795.7	717.8	651.3	559.0	500.7	468.2	447.8	421.3	393.3	375.2
50°	876.7	749.6	677.7	611.9	518.1	461.4	429.6	410.7	393.3	367.6	350.2
52.5°	798.8	700.4	631.6	568.8	474.3	419.8	391.8	378.2	360.0	341.9	326.8
55°	723.1	636.9	580.2	520.4	431.1	380.5	353.2	338.9	328.3	313.2	301.0
57.5°	635.4	577.9	525.7	471.2	391.1	344.9	319.2	301.8	295.0	288.2	276.8
60°	554.4	510.6	468.2	422.8	349.5	307.9	282.9	269.3	262.5	257.9	250.4
62.5°	480.3	446.3	410.0	373.7	307.1	269.3	250.4	236.8	230.7	229.9	223.1
65°	409.2	385.0	355.5	320.0	267.8	234.5	216.3	208.0	201.2	201.2	195.9
67.5°	338.1	321.5	298.0	273.1	232.2	201.2	184.6	177.0	173.2	173.2	169.4
70°	281.4	270.0	248.9	226.9	191.4	167.9	155.1	148.3	146.0	146.7	143.7
72.5°	228.4	216.3	198.9	183.0	156.6	139.2	130.1	122.5	118.8	119.5	118.8
75°	177.0	170.9	155.8	143.7	122.5	110.4	102.1	98.3	95.3	96.1	94.6
77.5°	133.1	124.1	115.7	107.4	94.6	84.7	77.9	74.1	71.9	71.9	71.9
80°	90.8	89.3	82.4	77.9	67.3	59.8	54.5	53.7	51.4	51.4	51.4
82.5°	59.0	55.2	51.4	48.4	42.4	37.8	35.6	34.0	33.3	32.5	34.0
85°	32.5	30.3	28.7	25.7	23.4	21.2	18.9	18.2	17.4	18.2	17.4
87.5°	12.9	10.6	10.6	9.8	9.1	8.3	8.3	6.8	6.8	6.1	6.1
90°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	28.8	27.8	27.3	26.8	25.8	24.7	23.7	22.7	23.7	24.7	25.8
95°	52.0	50.7	50.0	49.4	48.2	47.1	45.9	44.7	45.9	47.1	48.2
97.5°	78.7	77.7	77.2	76.8	75.9	75.1	74.2	73.4	74.2	75.1	75.9
100°	108.8	107.9	107.5	107.0	106.0	104.9	103.9	102.9	103.9	104.9	106.0
102.5°	141.1	139.9	139.3	139.0	138.5	138.0	137.5	137.0	137.5	138.0	138.5
105°	174.1	172.6	171.8	171.6	171.3	171.0	170.6	170.3	170.6	171.0	171.3
107.5°	211.4	210.7	210.4	210.3	210.2	210.0	209.9	209.7	209.9	210.0	210.2
110°	248.0	247.7	247.5	247.3	247.0	246.7	246.3	246.0	246.3	246.7	247.0

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	284.6	284.6	284.6	284.5	284.4	284.2	284.1	283.9	284.1	284.2	284.4
115°	323.5	323.8	324.0	323.7	323.2	322.7	322.2	321.7	322.2	322.7	323.2
117.5°	360.6	360.9	361.1	361.0	360.8	360.7	360.5	360.3	360.5	360.7	360.8
120°	399.1	400.0	400.4	399.9	398.9	397.9	396.9	395.9	396.9	397.9	398.9
122.5°	435.5	435.8	436.0	435.7	435.0	434.3	433.7	433.0	433.7	434.3	435.0
125°	472.6	472.9	473.1	472.8	472.3	471.8	471.3	470.8	471.3	471.8	472.3
127.5°	509.7	510.0	510.2	509.7	508.7	507.6	506.6	505.6	506.6	507.6	508.7
130°	545.7	546.2	546.5	545.8	544.5	543.2	541.8	540.5	541.8	543.2	544.5
132.5°	580.8	581.1	581.3	580.6	579.3	578.0	576.6	575.3	576.6	578.0	579.3
135°	615.1	615.3	615.4	614.9	613.9	612.9	611.9	610.9	611.9	612.9	613.9
137.5°	648.0	647.5	647.2	646.8	645.9	645.1	644.2	643.4	644.2	645.1	645.9
140°	681.5	681.4	681.3	680.9	680.0	679.2	678.3	677.5	678.3	679.2	680.0
142.5°	712.8	712.5	712.3	711.9	711.0	710.2	709.3	708.5	709.3	710.2	711.0
145°	743.3	742.8	742.6	742.4	742.1	741.8	741.4	741.1	741.4	741.8	742.1
147.5°	772.9	772.4	772.1	771.8	771.1	770.4	769.8	769.1	769.8	770.4	771.1
150°	800.6	800.3	800.1	799.9	799.6	799.3	798.9	798.6	798.9	799.3	799.6
152.5°	825.3	825.2	825.1	824.8	824.3	823.8	823.3	822.8	823.3	823.8	824.3
155°	848.8	848.6	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
157.5°	870.0	869.8	869.7	869.8	870.0	870.1	870.3	870.5	870.3	870.1	870.0
160°	889.4	889.4	889.4	889.6	889.9	890.2	890.6	890.9	890.6	890.2	889.9
162.5°	907.1	906.9	906.8	907.1	907.6	908.1	908.6	909.1	908.6	908.1	907.6
165°	922.0	922.0	922.0	922.2	922.7	923.2	923.7	924.2	923.7	923.2	922.7
167.5°	934.3	934.2	934.1	934.4	935.1	935.8	936.4	937.1	936.4	935.8	935.1
170°	944.7	944.7	944.7	945.0	945.7	946.4	947.0	947.7	947.0	946.4	945.7
172.5°	953.0	953.0	953.0	953.3	954.0	954.7	955.3	956.0	955.3	954.7	954.0
175°	958.3	958.3	958.3	958.6	959.3	960.0	960.6	961.3	960.6	960.0	959.3
177.5°	961.3	961.3	961.3	961.6	962.3	963.0	963.7	964.4	963.7	963.0	962.3
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	768.5	767.7	769.3	764.7	757.2	753.4	742.8	740.5	739.8	740.5	741.3
5°	747.3	746.6	744.3	736.7	727.7	720.9	708.0	707.2	702.7	698.2	700.4
7.5°	726.9	723.9	719.3	709.5	697.4	689.8	679.2	671.7	665.6	661.9	658.8
10°	706.5	701.9	697.4	684.5	669.4	658.1	645.2	639.2	632.4	629.3	626.3
12.5°	680.0	675.5	667.1	652.0	642.9	628.6	615.7	609.7	605.9	599.8	596.0
15°	658.8	649.8	645.2	629.3	610.4	608.9	585.5	583.9	576.4	576.4	570.3
17.5°	634.6	627.8	619.5	603.6	590.0	576.4	564.3	559.7	552.9	551.4	548.4
20°	611.2	602.1	599.1	583.2	568.8	552.2	539.3	534.8	531.8	528.7	531.0
22.5°	587.0	579.4	571.8	557.5	546.9	530.2	522.7	518.1	513.6	512.1	512.8
25°	563.5	556.7	549.1	534.8	523.4	509.8	503.0	500.7	498.5	498.5	497.7
27.5°	540.8	534.0	527.2	514.4	503.0	493.2	487.9	485.6	483.3	484.9	486.4
30°	517.4	511.3	505.3	493.9	484.9	475.8	472.8	471.2	470.5	474.3	474.3
32.5°	496.2	490.9	486.4	475.8	466.7	459.1	456.9	457.6	458.4	460.6	462.2
35°	474.3	470.5	465.9	456.9	449.3	442.5	443.3	443.3	444.8	448.5	451.6
37.5°	454.6	449.3	445.5	438.0	431.9	425.9	428.1	430.4	431.9	436.4	438.0
40°	431.1	428.9	425.9	418.3	413.0	412.2	413.0	414.5	417.5	419.8	422.1
42.5°	412.2	409.2	405.4	399.4	394.8	395.6	396.4	397.9	399.4	403.2	405.4
45°	391.1	388.8	385.8	380.5	376.7	377.4	378.2	378.2	379.7	384.3	385.8
47.5°	367.6	368.4	364.6	359.3	357.0	357.0	357.0	358.5	362.3	363.8	364.6
50°	344.9	343.4	342.7	337.4	335.8	335.1	335.8	336.6	341.9	341.1	343.4
52.5°	320.7	320.7	320.0	316.9	314.7	314.7	313.2	316.9	318.4	320.0	322.2
55°	297.3	295.0	294.2	292.7	289.7	288.9	290.5	295.0	296.5	298.0	300.3
57.5°	271.5	271.5	270.0	267.8	267.8	267.8	267.8	270.8	273.1	274.6	279.1
60°	248.1	245.1	242.8	242.8	242.8	242.0	246.6	246.6	251.1	251.9	253.4
62.5°	220.1	218.6	217.1	217.8	217.1	218.6	220.1	223.1	223.9	226.2	228.4
65°	193.6	193.6	192.1	196.7	193.6	193.6	197.4	197.4	198.9	201.2	204.2
67.5°	167.9	168.7	167.2	167.2	168.7	169.4	170.2	173.2	174.0	177.0	180.8
70°	141.4	143.0	143.7	142.2	143.7	145.2	146.7	147.5	150.5	152.0	154.3
72.5°	118.0	119.5	117.2	118.0	118.8	120.3	121.0	122.5	124.1	128.6	130.1
75°	94.6	93.8	93.0	96.1	94.6	97.6	98.3	98.3	99.8	103.6	105.1
77.5°	72.6	72.6	73.4	71.9	74.1	73.4	74.1	76.4	78.7	78.7	84.7
80°	50.7	52.2	52.2	52.2	52.9	53.7	52.2	56.0	56.7	56.7	59.0
82.5°	32.5	33.3	32.5	34.0	34.0	35.6	34.8	35.6	37.1	38.6	39.3
85°	17.4	17.4	18.9	18.9	18.2	18.9	18.2	18.9	20.4	20.4	21.2
87.5°	6.1	6.1	6.1	6.1	6.8	6.1	6.8	6.8	6.1	6.1	8.3
90°	7.5	8.3	9.4	11.6	13.8	16.0	18.2	18.9	19.5	20.2	20.9
92.5°	26.8	27.3	27.8	28.8	29.8	30.8	31.8	32.3	32.8	33.3	33.8
95°	49.4	50.0	50.7	52.0	53.3	54.7	56.0	56.7	57.3	58.0	58.7
97.5°	76.8	77.2	77.7	78.7	79.8	80.8	81.8	82.6	83.4	84.3	85.1
100°	107.0	107.5	107.9	108.8	109.6	110.5	111.3	111.8	112.3	112.8	113.3
102.5°	139.0	139.3	139.9	141.1	142.2	143.4	144.6	145.1	145.6	146.1	146.6
105°	171.6	171.8	172.6	174.1	175.6	177.1	178.6	178.6	178.6	178.6	178.6
107.5°	210.3	210.4	210.7	211.4	212.1	212.8	213.5	214.0	214.5	215.0	215.5
110°	247.3	247.5	247.7	248.0	248.3	248.7	249.0	249.7	250.4	251.1	251.8

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	284.5	284.6	284.6	284.6	284.6	284.6	284.6	285.4	286.3	287.1	288.0
115°	323.7	324.0	323.8	323.5	323.2	322.8	322.5	322.7	322.8	323.0	323.1
117.5°	361.0	361.1	360.9	360.6	360.3	359.9	359.6	359.6	359.6	359.6	359.6
120°	399.9	400.4	400.0	399.1	398.3	397.4	396.6	396.4	396.3	396.1	396.0
122.5°	435.7	436.0	435.8	435.5	435.2	434.8	434.5	434.0	433.5	433.0	432.5
125°	472.8	473.1	472.9	472.6	472.3	471.9	471.6	470.9	470.3	469.6	468.9
127.5°	509.7	510.2	510.0	509.7	509.4	509.0	508.7	507.7	506.7	505.6	504.6
130°	545.8	546.5	546.2	545.7	545.2	544.7	544.2	543.5	542.9	542.2	541.5
132.5°	580.6	581.3	581.1	580.8	580.5	580.1	579.8	579.0	578.1	577.3	576.4
135°	614.9	615.4	615.3	615.1	615.0	614.8	614.6	613.9	613.3	612.6	611.9
137.5°	646.8	647.2	647.5	648.0	648.5	649.0	649.5	648.7	647.8	647.0	646.1
140°	680.9	681.3	681.4	681.5	681.7	681.8	682.0	681.8	681.7	681.5	681.4
142.5°	711.9	712.3	712.5	712.8	713.1	713.5	713.8	713.6	713.4	713.3	713.1
145°	742.4	742.6	742.8	743.3	743.8	744.3	744.8	744.6	744.5	744.3	744.2
147.5°	771.8	772.1	772.4	772.9	773.4	773.9	774.4	774.4	774.4	774.4	774.4
150°	799.9	800.1	800.3	800.6	800.9	801.3	801.6	801.6	801.6	801.6	801.6
152.5°	824.8	825.1	825.2	825.3	825.5	825.6	825.8	826.1	826.5	826.8	827.1
155°	848.5	848.5	848.6	848.8	848.9	849.1	849.3	850.0	850.6	851.3	852.0
157.5°	869.8	869.7	869.8	870.0	870.1	870.3	870.5	871.2	871.8	872.5	873.2
160°	889.6	889.4	889.4	889.4	889.4	889.4	889.4	890.2	891.1	891.9	892.8
162.5°	907.1	906.8	906.9	907.1	907.2	907.4	907.6	908.4	909.3	910.1	911.0
165°	922.2	922.0	922.0	922.0	922.0	922.0	922.0	923.0	924.0	925.0	926.0
167.5°	934.4	934.1	934.2	934.3	934.5	934.6	934.8	935.8	936.8	937.9	938.9
170°	945.0	944.7	944.7	944.7	944.7	944.7	944.7	945.9	947.1	948.2	949.4
172.5°	953.3	953.0	953.0	953.0	953.0	953.0	953.0	954.0	955.0	956.0	957.0
175°	958.6	958.3	958.3	958.3	958.3	958.3	958.3	959.3	960.3	961.3	962.3
177.5°	961.6	961.3	961.3	961.3	961.3	961.3	961.3	962.3	963.3	964.4	965.4
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	740.5	741.3	738.2	736.0	742.0	738.2	738.2	739.0	737.5	739.8	739.0
5°	698.9	699.7	694.4	695.9	692.9	692.1	691.4	695.9	695.1	694.4	695.9
7.5°	658.1	658.1	655.8	654.3	654.3	652.0	655.0	654.3	655.8	655.8	658.1
10°	624.0	625.5	621.8	618.0	617.2	618.0	618.0	618.7	619.5	624.8	624.0
12.5°	596.0	593.8	593.0	590.8	587.0	585.5	583.9	592.3	590.0	590.0	590.0
15°	565.0	570.3	569.6	562.8	561.3	564.3	562.8	562.8	570.3	569.6	568.8
17.5°	548.4	546.9	545.4	541.6	542.3	541.6	542.3	542.3	546.9	546.9	546.9
20°	529.5	526.5	526.5	524.9	524.9	522.7	525.7	526.5	529.5	529.5	530.2
22.5°	512.8	510.6	510.6	509.8	511.3	508.3	511.3	512.1	512.1	514.4	514.4
25°	498.5	497.0	497.0	498.5	498.5	498.5	498.5	501.5	499.2	500.0	499.2
27.5°	485.6	486.4	487.1	487.9	487.1	487.9	488.6	490.1	490.9	490.1	488.6
30°	473.5	475.8	476.5	476.5	478.0	478.8	479.6	479.6	480.3	478.0	479.6
32.5°	464.4	464.4	465.9	466.7	468.2	469.0	469.0	470.5	469.7	467.5	468.2
35°	451.6	451.6	454.6	456.1	458.4	457.6	458.4	458.4	459.1	457.6	455.4
37.5°	438.7	440.2	440.2	443.3	444.0	444.8	444.0	445.5	444.8	443.3	442.5
40°	423.6	422.8	423.6	425.9	426.6	426.6	426.6	428.1	428.1	428.1	427.4
42.5°	404.7	406.9	406.2	408.5	407.7	407.7	409.2	410.7	411.5	409.2	410.0
45°	386.5	386.5	388.0	388.0	388.8	388.8	391.8	390.3	391.8	390.3	391.1
47.5°	366.9	367.6	367.6	368.4	369.9	371.4	369.9	370.6	370.6	371.4	369.9
50°	344.9	344.9	346.4	348.7	351.7	350.2	349.5	352.5	350.2	350.2	348.7
52.5°	322.2	324.5	325.3	327.5	329.8	330.5	331.3	329.8	330.5	328.3	329.0
55°	300.3	301.0	304.1	306.3	308.6	308.6	307.9	308.6	309.4	306.3	306.3
57.5°	278.4	280.6	283.7	283.7	286.7	286.7	285.9	285.9	286.7	284.4	283.7
60°	254.9	257.2	261.0	261.0	265.5	266.3	264.7	263.2	263.2	261.0	261.7
62.5°	229.9	232.2	234.5	238.3	241.3	239.8	242.8	239.8	240.5	236.0	236.0
65°	208.0	208.8	212.5	216.3	216.3	217.8	216.3	217.1	214.8	214.8	211.8
67.5°	182.3	182.3	186.1	189.9	193.6	193.6	193.6	191.4	191.4	189.1	189.1
70°	159.6	158.8	162.6	164.9	167.2	167.9	166.4	165.7	164.1	161.9	161.1
72.5°	131.6	133.1	136.9	138.4	142.2	141.4	145.2	140.7	140.7	136.9	136.2
75°	106.7	108.2	111.9	114.2	116.5	116.5	118.8	116.5	113.5	111.9	111.2
77.5°	84.7	84.0	87.0	90.8	91.5	90.8	92.3	91.5	88.5	88.5	87.0
80°	60.5	62.8	65.8	65.1	68.1	67.3	67.3	65.8	65.8	63.5	65.1
82.5°	40.1	42.4	43.1	42.4	43.1	44.6	45.4	44.6	44.6	43.1	43.9
85°	21.2	21.2	22.7	23.4	22.7	22.7	23.4	25.7	24.2	22.7	24.2
87.5°	6.8	6.1	6.1	6.8	6.1	6.1	6.8	6.8	7.6	7.6	7.6
90°	21.2	21.4	21.7	22.0	22.4	22.7	22.4	22.0	21.7	21.4	21.2
92.5°	34.1	33.9	33.6	33.2	32.9	32.5	32.9	33.2	33.6	33.9	34.1
95°	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
97.5°	85.5	85.4	85.3	85.1	85.0	84.8	85.0	85.1	85.3	85.4	85.5
100°	113.5	113.7	114.0	114.4	114.7	115.1	114.7	114.4	114.0	113.7	113.5
102.5°	146.8	146.7	146.6	146.4	146.3	146.1	146.3	146.4	146.6	146.7	146.8
105°	178.6	178.8	179.1	179.5	179.8	180.2	179.8	179.5	179.1	178.8	178.6
107.5°	215.7	215.6	215.5	215.3	215.2	215.0	215.2	215.3	215.5	215.6	215.7
110°	252.1	251.9	251.6	251.3	250.9	250.6	250.9	251.3	251.6	251.9	252.1

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4
115°	323.2	323.1	323.0	322.8	322.7	322.5	322.7	322.8	323.0	323.1	323.2
117.5°	359.6	359.3	358.8	358.3	357.8	357.3	357.8	358.3	358.8	359.3	359.6
120°	395.9	395.7	395.4	395.1	394.7	394.4	394.7	395.1	395.4	395.7	395.9
122.5°	432.2	431.9	431.4	430.9	430.4	429.9	430.4	430.9	431.4	431.9	432.2
125°	468.6	468.3	467.6	466.9	466.2	465.5	466.2	466.9	467.6	468.3	468.6
127.5°	504.1	503.8	503.1	502.4	501.8	501.1	501.8	502.4	503.1	503.8	504.1
130°	541.2	540.6	539.4	538.3	537.1	535.9	537.1	538.3	539.4	540.6	541.2
132.5°	576.0	575.6	574.8	573.9	573.1	572.3	573.1	573.9	574.8	575.6	576.0
135°	611.6	611.4	611.1	610.8	610.4	610.1	610.4	610.8	611.1	611.4	611.6
137.5°	645.7	645.4	644.9	644.4	643.9	643.4	643.9	644.4	644.9	645.4	645.7
140°	681.3	680.7	679.5	678.4	677.2	676.0	677.2	678.4	679.5	680.7	681.3
142.5°	713.0	712.6	711.8	710.9	710.1	709.3	710.1	710.9	711.8	712.6	713.0
145°	744.1	743.8	743.1	742.4	741.8	741.1	741.8	742.4	743.1	743.8	744.1
147.5°	774.4	773.9	772.9	771.8	770.8	769.8	770.8	771.8	772.9	773.9	774.4
150°	801.6	801.1	800.1	799.1	798.1	797.1	798.1	799.1	800.1	801.1	801.6
152.5°	827.3	826.9	826.1	825.2	824.4	823.6	824.4	825.2	826.1	826.9	827.3
155°	852.3	851.7	850.5	849.4	848.2	847.0	848.2	849.4	850.5	851.7	852.3
157.5°	873.5	873.0	872.0	871.0	870.0	869.0	870.0	871.0	872.0	873.0	873.5
160°	893.2	892.9	892.2	891.5	890.9	890.2	890.9	891.5	892.2	892.9	893.2
162.5°	911.4	910.8	909.6	908.5	907.3	906.1	907.3	908.5	909.6	910.8	911.4
165°	926.5	925.9	924.7	923.6	922.4	921.2	922.4	923.6	924.7	925.9	926.5
167.5°	939.4	938.9	937.9	936.8	935.8	934.8	935.8	936.8	937.9	938.9	939.4
170°	950.0	949.4	948.2	947.1	945.9	944.7	945.9	947.1	948.2	949.4	950.0
172.5°	957.5	956.9	955.7	954.6	953.4	952.2	953.4	954.6	955.7	956.9	957.5
175°	962.8	962.2	961.0	959.9	958.7	957.5	958.7	959.9	961.0	962.2	962.8
177.5°	965.9	965.3	964.1	963.0	961.8	960.6	961.8	963.0	964.1	965.3	965.9
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6	780.6
2.5°	741.3	742.8	743.5	740.5	738.2	742.0	747.3	751.1	754.1	757.9	760.2
5°	697.4	702.7	702.7	704.2	706.5	710.3	720.1	726.9	733.0	737.5	741.3
7.5°	660.3	664.1	666.4	670.2	674.0	679.2	690.6	700.4	709.5	714.8	720.9
10°	627.1	630.1	633.9	636.1	642.9	650.5	664.9	673.2	683.8	692.1	699.7
12.5°	595.3	605.9	608.1	607.4	613.4	621.8	636.1	649.0	660.3	668.7	677.0
15°	572.6	576.4	580.9	580.2	593.0	595.3	607.4	622.5	637.6	642.9	650.5
17.5°	547.6	553.7	558.2	560.5	564.3	572.6	583.9	595.3	615.0	615.7	635.4
20°	528.0	534.0	537.0	540.1	542.3	552.2	562.0	574.9	590.8	599.1	609.7
22.5°	515.1	518.1	520.4	522.7	525.7	531.0	543.1	557.5	568.1	577.1	583.9
25°	500.0	503.0	506.0	507.5	509.8	512.8	521.9	533.3	548.4	554.4	561.3
27.5°	489.4	489.4	490.9	490.9	493.9	497.0	503.8	514.4	526.5	534.0	543.1
30°	478.0	477.3	478.0	477.3	476.5	481.1	487.1	496.2	504.5	513.6	519.6
32.5°	466.7	465.9	465.9	466.7	463.7	465.9	469.0	477.3	486.4	490.9	497.7
35°	454.6	453.1	453.1	453.1	451.6	450.1	453.1	460.6	466.7	472.8	478.0
37.5°	442.5	440.2	440.2	438.7	437.2	434.9	434.9	441.0	449.3	451.6	458.4
40°	425.9	425.9	424.3	423.6	422.1	420.6	418.3	423.6	431.1	433.4	438.7
42.5°	409.2	406.9	406.2	406.2	406.2	403.9	402.4	406.2	410.7	414.5	417.5
45°	390.3	388.8	389.5	388.8	387.3	386.5	385.8	387.3	392.6	394.1	397.9
47.5°	369.9	369.1	369.1	368.4	367.6	368.4	365.3	369.1	370.6	372.2	375.2
50°	348.7	347.9	347.2	346.4	346.4	347.2	346.4	346.4	349.5	351.0	354.0
52.5°	327.5	325.3	325.3	324.5	324.5	323.0	324.5	325.3	326.8	328.3	329.8
55°	304.8	304.8	302.6	302.6	301.0	301.0	301.8	301.0	304.1	305.6	305.6
57.5°	282.9	279.9	280.6	279.1	277.6	276.8	276.8	278.4	279.9	279.9	281.4
60°	259.4	256.4	255.7	252.6	254.2	251.9	252.6	252.6	255.7	254.2	255.7
62.5°	236.0	232.2	229.9	228.4	228.4	229.2	227.7	226.9	228.4	229.9	233.0
65°	211.0	208.8	206.5	204.2	204.2	203.5	205.0	202.7	202.0	202.7	204.2
67.5°	185.3	183.0	180.8	178.5	179.3	177.0	175.5	177.8	176.2	177.0	178.5
70°	160.4	158.8	154.3	152.8	152.0	152.8	152.0	150.5	152.8	152.0	152.8
72.5°	135.4	133.9	131.6	127.8	127.8	127.1	126.3	126.3	125.6	125.6	125.6
75°	111.2	108.2	105.9	105.1	103.6	102.9	102.1	100.6	101.4	102.1	100.6
77.5°	86.2	82.4	81.7	81.7	79.4	79.4	80.2	79.4	78.7	78.7	78.7
80°	63.5	60.5	60.5	59.0	57.5	57.5	57.5	57.5	56.7	56.0	56.7
82.5°	40.8	40.1	39.3	39.3	40.8	37.8	39.3	38.6	37.8	37.8	37.1
85°	22.7	23.4	22.7	23.4	21.9	22.7	22.7	22.7	21.9	22.7	21.2
87.5°	8.3	8.3	8.3	9.1	9.1	9.1	9.1	9.1	9.8	9.1	9.1
90°	20.9	20.2	19.5	18.9	18.2	16.0	13.8	11.6	9.4	8.3	7.5
92.5°	33.8	33.3	32.8	32.3	31.8	30.8	29.8	28.8	27.8	27.3	26.8
95°	58.7	58.0	57.3	56.7	56.0	54.7	53.3	52.0	50.7	50.0	49.4
97.5°	85.1	84.3	83.4	82.6	81.8	80.8	79.8	78.7	77.7	77.2	76.8
100°	113.3	112.8	112.3	111.8	111.3	110.5	109.6	108.8	107.9	107.5	107.0
102.5°	146.6	146.1	145.6	145.1	144.6	143.4	142.2	141.1	139.9	139.3	139.0
105°	178.6	178.6	178.6	178.6	178.6	177.1	175.6	174.1	172.6	171.8	171.6
107.5°	215.5	215.0	214.5	214.0	213.5	212.8	212.1	211.4	210.7	210.4	210.3
110°	251.8	251.1	250.4	249.7	249.0	248.7	248.3	248.0	247.7	247.5	247.3

TEST NUMBER: P1011854

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	288.0	287.1	286.3	285.4	284.6	284.6	284.6	284.6	284.6	284.6	284.5
115°	323.1	323.0	322.8	322.7	322.5	322.8	323.2	323.5	323.8	324.0	323.7
117.5°	359.6	359.6	359.6	359.6	359.6	359.9	360.3	360.6	360.9	361.1	361.0
120°	396.0	396.1	396.3	396.4	396.6	397.4	398.3	399.1	400.0	400.4	399.9
122.5°	432.5	433.0	433.5	434.0	434.5	434.8	435.2	435.5	435.8	436.0	435.7
125°	468.9	469.6	470.3	470.9	471.6	471.9	472.3	472.6	472.9	473.1	472.8
127.5°	504.6	505.6	506.7	507.7	508.7	509.0	509.4	509.7	510.0	510.2	509.7
130°	541.5	542.2	542.9	543.5	544.2	544.7	545.2	545.7	546.2	546.5	545.8
132.5°	576.4	577.3	578.1	579.0	579.8	580.1	580.5	580.8	581.1	581.3	580.6
135°	611.9	612.6	613.3	613.9	614.6	614.8	615.0	615.1	615.3	615.4	614.9
137.5°	646.1	647.0	647.8	648.7	649.5	649.0	648.5	648.0	647.5	647.2	646.8
140°	681.4	681.5	681.7	681.8	682.0	681.8	681.7	681.5	681.4	681.3	680.9
142.5°	713.1	713.3	713.4	713.6	713.8	713.5	713.1	712.8	712.5	712.3	711.9
145°	744.2	744.3	744.5	744.6	744.8	744.3	743.8	743.3	742.8	742.6	742.4
147.5°	774.4	774.4	774.4	774.4	774.4	773.9	773.4	772.9	772.4	772.1	771.8
150°	801.6	801.6	801.6	801.6	801.6	801.3	800.9	800.6	800.3	800.1	799.9
152.5°	827.1	826.8	826.5	826.1	825.8	825.6	825.5	825.3	825.2	825.1	824.8
155°	852.0	851.3	850.6	850.0	849.3	849.1	848.9	848.8	848.6	848.5	848.5
157.5°	873.2	872.5	871.8	871.2	870.5	870.3	870.1	870.0	869.8	869.7	869.8
160°	892.8	891.9	891.1	890.2	889.4	889.4	889.4	889.4	889.4	889.4	889.6
162.5°	911.0	910.1	909.3	908.4	907.6	907.4	907.2	907.1	906.9	906.8	907.1
165°	926.0	925.0	924.0	923.0	922.0	922.0	922.0	922.0	922.0	922.0	922.2
167.5°	938.9	937.9	936.8	935.8	934.8	934.6	934.5	934.3	934.2	934.1	934.4
170°	949.4	948.2	947.1	945.9	944.7	944.7	944.7	944.7	944.7	944.7	945.0
172.5°	957.0	956.0	955.0	954.0	953.0	953.0	953.0	953.0	953.0	953.0	953.3
175°	962.3	961.3	960.3	959.3	958.3	958.3	958.3	958.3	958.3	958.3	958.6
177.5°	965.4	964.4	963.3	962.3	961.3	961.3	961.3	961.3	961.3	961.3	961.6
180°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	780.6	780.6	780.6	780.6
2.5°	764.0	766.2	773.8	782.9
5°	748.8	754.9	765.5	779.9
7.5°	732.2	741.3	756.4	774.6
10°	713.3	726.1	745.1	767.7
12.5°	692.9	709.5	733.7	757.2
15°	680.0	696.6	718.6	744.3
17.5°	655.0	674.7	697.4	733.7
20°	629.3	651.3	680.8	717.1
22.5°	609.7	633.1	661.1	699.7
25°	586.2	610.4	640.7	680.8
27.5°	561.3	585.5	619.5	661.9
30°	542.3	565.8	598.3	643.7
32.5°	519.6	542.3	576.4	624.0
35°	493.9	519.6	552.2	600.6
37.5°	474.3	497.7	531.8	577.9
40°	453.1	473.5	506.8	552.2
42.5°	430.4	453.1	481.8	527.2
45°	409.2	425.9	455.4	498.5
47.5°	386.5	405.4	428.1	461.4
50°	362.3	378.2	403.2	425.9
52.5°	338.9	351.7	372.9	390.3
55°	313.9	326.8	342.7	353.2
57.5°	290.5	299.5	310.1	316.9
60°	261.7	270.8	277.6	284.4
62.5°	236.0	242.8	246.6	250.4
65°	209.5	213.3	215.6	218.6
67.5°	180.8	184.6	185.3	189.9
70°	154.3	155.1	156.6	158.8
72.5°	129.3	130.9	130.1	131.6
75°	103.6	105.1	103.6	105.1
77.5°	78.7	80.2	80.2	82.4
80°	56.7	57.5	58.2	58.2
82.5°	37.1	39.3	37.8	38.6
85°	21.2	21.9	21.9	22.7
87.5°	9.8	10.6	9.8	11.3
90°	5.8	4.1	2.5	0.8
92.5°	25.8	24.7	23.7	22.7
95°	48.2	47.1	45.9	44.7
97.5°	75.9	75.1	74.2	73.4
100°	106.0	104.9	103.9	102.9
102.5°	138.5	138.0	137.5	137.0
105°	171.3	171.0	170.6	170.3
107.5°	210.2	210.0	209.9	209.7
110°	247.0	246.7	246.3	246.0

TEST NUMBER: P1011854

CATALOG NUMBER: S123DIP-B560D805UB27-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	284.4	284.2	284.1	283.9
115°	323.2	322.7	322.2	321.7
117.5°	360.8	360.7	360.5	360.3
120°	398.9	397.9	396.9	395.9
122.5°	435.0	434.3	433.7	433.0
125°	472.3	471.8	471.3	470.8
127.5°	508.7	507.6	506.6	505.6
130°	544.5	543.2	541.8	540.5
132.5°	579.3	578.0	576.6	575.3
135°	613.9	612.9	611.9	610.9
137.5°	645.9	645.1	644.2	643.4
140°	680.0	679.2	678.3	677.5
142.5°	711.0	710.2	709.3	708.5
145°	742.1	741.8	741.4	741.1
147.5°	771.1	770.4	769.8	769.1
150°	799.6	799.3	798.9	798.6
152.5°	824.3	823.8	823.3	822.8
155°	848.5	848.5	848.5	848.5
157.5°	870.0	870.1	870.3	870.5
160°	889.9	890.2	890.6	890.9
162.5°	907.6	908.1	908.6	909.1
165°	922.7	923.2	923.7	924.2
167.5°	935.1	935.8	936.4	937.1
170°	945.7	946.4	947.0	947.7
172.5°	954.0	954.7	955.3	956.0
175°	959.3	960.0	960.6	961.3
177.5°	962.3	963.0	963.7	964.4
180°	963.6	963.6	963.6	963.6

(END OF REPORT)