

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: P1011794

Luminaire Tested: S123DIP-B560D365UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011794
REPORT IS A COMBINATION OF REPORTS P990082 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D365UB40-4F0-XX-W2A-A1
Description: Define 3 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

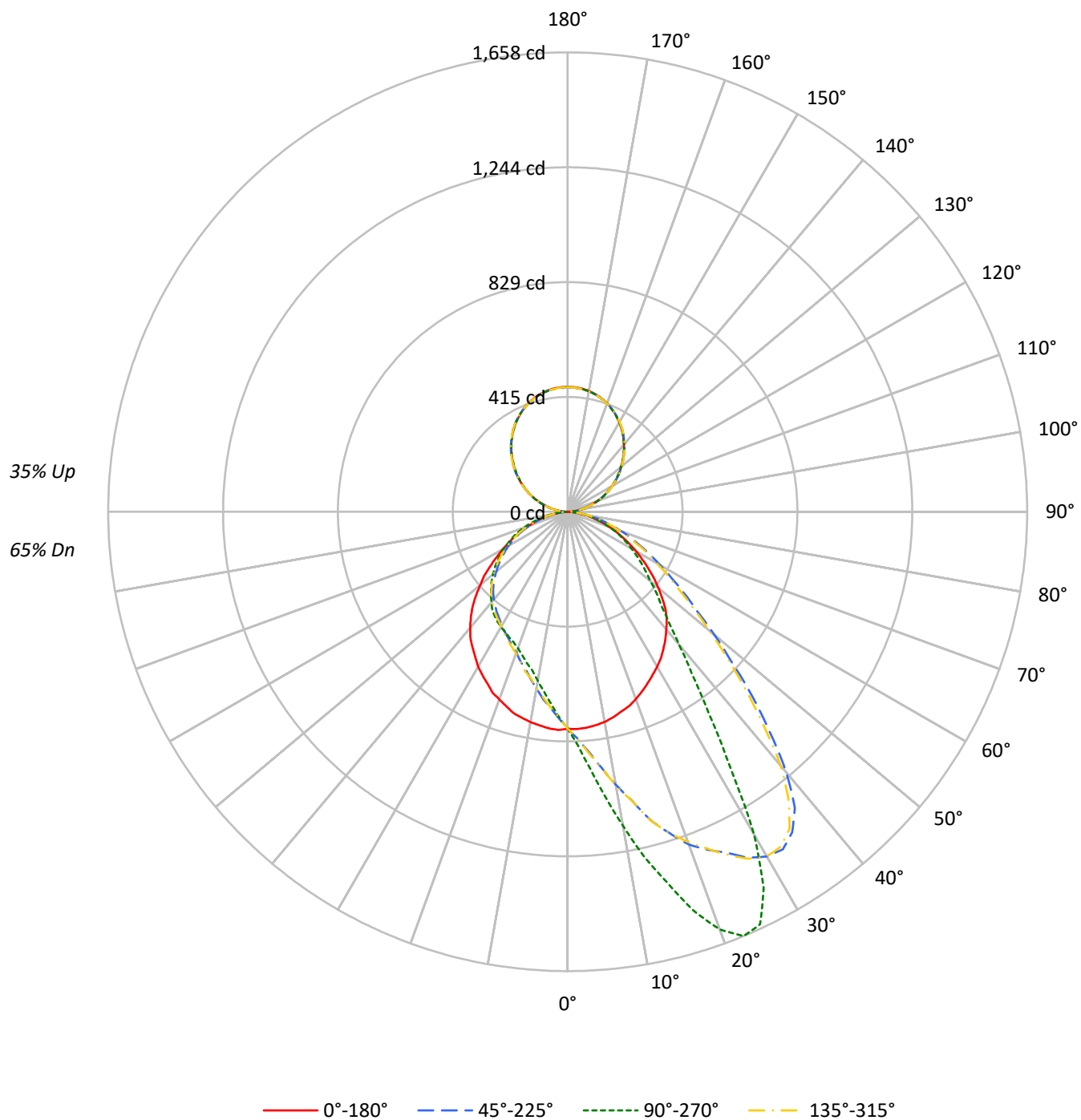
Lumens per Lamp: N/A
Luminaire Lumens: 3611.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70
1	102	97	94	90	95	92	88	85	81	79	76	72	70	68	63	61	60
2	93	85	79	74	87	81	75	71	72	67	64	63	60	57	56	53	51
3	85	75	68	62	80	71	65	59	63	58	54	56	52	49	50	47	44
4	78	67	59	53	73	63	56	51	57	51	46	50	46	42	45	41	38
5	72	60	52	46	67	57	49	44	51	45	40	45	41	37	40	36	33
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	37	33	29
7	61	49	41	35	58	46	39	34	42	36	31	37	32	29	33	29	26
8	57	44	37	31	53	42	35	30	38	32	28	34	29	26	31	27	24
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8427	8427	8427	8427
5°	8433	9710	8457	7247
10°	8379	11751	8388	6328
15°	8263	13935	8331	5697
20°	8164	16043	8181	5241
25°	8016	16448	8034	5005
30°	7910	13589	7910	4849
35°	7780	9088	7730	4712
40°	7622	6560	7528	4502
45°	7426	5196	7210	4239
50°	6945	4413	6698	3984
55°	6420	3878	6159	3697
60°	5887	3376	5573	3395
65°	5299	2891	5043	2996
70°	4691	2400	4379	2525
75°	4013	1810	3751	1949
80°	3171	1208	2926	1280
85°	2190	554	1748	505

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13592 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	2.1
10°-20°	247.3	6.8
20°-30°	416.1	11.5
30°-40°	470.3	13.0
40°-50°	421.2	11.7
50°-60°	340.0	9.4
60°-70°	236.9	6.6
70°-80°	124.3	3.4
80°-90°	30.8	0.9
90°-100°	29.0	0.8
100°-110°	87.7	2.4
110°-120°	149.3	4.1
120°-130°	196.4	5.4
130°-140°	220.7	6.1
140°-150°	217.0	6.0
150°-160°	182.7	5.1
160°-170°	121.6	3.4
170°-180°	42.6	1.2
0°-30°	740.4	20.5
0°-40°	1210.7	33.5
0°-60°	1971.9	54.6
0°-90°	2363.9	65.5
90°-120°	265.9	7.4
90°-150°	900.1	24.9
90°-180°	1247.0	34.5
0°-180°	3611.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	783	783	783	783	783	
5°	782	930	784	694	782	74
15°	746	1384	753	566	746	211
25°	683	1643	684	500	683	315
35°	602	885	599	459	602	377
45°	500	478	486	390	500	382
55°	354	325	340	310	354	317
65°	219	211	209	218	219	218
75°	106	108	99	117	106	113
85°	23	25	18	23	23	26
90°	0	11	0	11	0	3
95°	21	28	21	28	21	23
105°	80	84	80	84	80	85
115°	150	151	150	151	150	149
125°	220	217	220	217	220	196
135°	285	285	285	285	285	220
145°	346	346	346	346	346	216
155°	396	396	396	396	396	182
165°	432	430	432	430	432	122
175°	449	447	449	447	449	43
180°	450	450	450	450	450	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	785.2	791.3	794.3	798.9	803.4	810.2	812.5	816.3	814.8	817.8	819.3
5°	782.2	792.8	801.9	813.3	823.9	831.5	839.1	851.2	860.3	861.8	868.7
7.5°	776.9	792.0	808.0	823.9	844.4	856.5	870.2	886.9	900.5	922.5	930.9
10°	770.0	791.3	814.0	836.0	864.1	883.1	899.8	927.8	955.9	978.7	999.9
12.5°	759.4	786.0	815.5	848.2	884.6	906.6	929.3	966.5	1009.0	1043.9	1066.7
15°	746.5	779.9	817.8	852.7	892.9	933.9	958.2	999.9	1060.6	1093.2	1151.6
17.5°	735.9	770.0	808.0	862.6	917.2	958.2	975.6	1052.2	1094.0	1148.6	1214.6
20°	719.2	762.4	811.0	865.6	936.2	961.2	996.9	1074.2	1125.8	1197.2	1278.3
22.5°	701.8	748.0	806.4	863.3	942.2	968.8	1017.4	1078.8	1160.7	1231.3	1320.8
25°	682.8	732.9	792.0	859.6	936.9	975.6	1021.1	1097.0	1185.8	1274.5	1357.2
27.5°	663.8	718.4	779.9	847.4	922.5	968.0	1013.6	1092.5	1206.3	1302.6	1408.1
30°	645.6	700.2	761.7	830.7	909.6	953.6	996.9	1095.5	1222.2	1330.7	1436.9
32.5°	625.9	682.0	746.5	804.2	883.8	930.9	979.4	1095.5	1232.0	1347.4	1444.5
35°	602.4	660.0	715.4	773.1	852.0	904.3	958.9	1087.9	1241.2	1352.7	1412.6
37.5°	579.6	630.4	678.2	734.4	817.1	873.2	936.2	1078.8	1236.6	1329.9	1346.6
40°	553.8	604.6	643.3	695.7	782.9	848.2	911.9	1066.7	1216.9	1276.0	1227.5
42.5°	528.8	569.0	602.4	653.2	748.0	811.8	880.8	1044.7	1178.2	1190.3	1081.1
45°	500.0	528.8	558.4	616.0	710.1	775.3	852.0	1012.8	1116.0	1081.1	943.0
47.5°	462.8	488.6	521.2	574.3	669.9	737.4	810.2	971.8	1025.7	952.9	801.9
50°	427.1	449.1	479.5	531.1	627.4	693.4	770.8	907.3	933.9	819.3	691.1
52.5°	391.5	408.2	437.7	489.3	585.7	649.4	720.0	841.3	826.2	703.3	589.5
55°	354.3	368.7	396.8	447.6	537.1	597.8	665.3	760.2	720.7	603.9	512.8
57.5°	317.9	333.0	361.9	404.4	488.6	547.7	601.6	676.0	616.8	523.5	443.1
60°	285.3	298.1	320.2	361.9	438.5	486.3	535.6	586.4	537.1	446.8	385.4
62.5°	251.1	263.3	283.7	321.7	387.7	430.2	469.6	511.3	456.7	390.7	336.1
65°	219.2	229.1	248.1	283.0	336.8	371.7	403.6	432.4	388.4	327.7	286.8
67.5°	190.4	198.8	214.7	245.8	291.3	316.4	342.2	366.4	329.3	280.7	245.8
70°	159.3	166.1	180.6	203.3	239.7	265.5	284.5	302.7	269.3	230.6	207.1
72.5°	132.0	138.8	147.9	171.5	196.5	212.4	232.9	242.8	223.8	191.9	168.4
75°	105.5	110.8	119.1	134.3	157.8	168.4	181.3	188.9	171.5	150.2	135.8
77.5°	82.7	85.0	91.0	101.7	117.6	129.7	139.6	144.1	132.0	118.3	106.2
80°	58.4	61.5	66.0	75.1	87.2	91.0	97.1	102.4	94.8	82.7	75.1
82.5°	38.7	42.5	44.8	48.6	56.1	60.7	62.2	66.8	59.9	55.4	52.3
85°	22.8	24.3	25.0	27.3	31.1	33.4	35.7	36.4	34.9	34.1	31.1
87.5°	11.4	11.4	11.4	12.9	13.7	15.2	15.9	15.9	15.9	15.2	14.4
90°	0.4	1.2	2.0	2.7	3.5	3.9	4.4	5.4	6.5	7.5	8.5
92.5°	10.6	11.1	11.5	12.0	12.5	12.7	12.9	13.4	13.9	14.3	14.8
95°	20.9	21.4	22.0	22.5	23.0	23.3	23.6	24.3	24.9	25.6	26.2
97.5°	34.3	34.7	35.1	35.5	35.9	36.1	36.3	36.8	37.3	37.7	38.2
100°	48.1	48.6	49.0	49.5	50.0	50.2	50.4	50.8	51.2	51.6	52.0
102.5°	64.0	64.2	64.5	64.7	65.0	65.1	65.4	65.9	66.4	67.0	67.5
105°	79.5	79.7	79.9	80.0	80.2	80.3	80.6	81.3	82.0	82.7	83.4
107.5°	97.9	98.0	98.1	98.2	98.3	98.3	98.5	98.8	99.1	99.4	99.7
110°	114.9	115.1	115.2	115.4	115.5	115.6	115.7	115.8	116.0	116.1	116.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	132.6	132.7	132.7	132.8	132.9	132.9	132.9	132.9	132.9	132.9	132.9
115°	150.3	150.5	150.7	151.0	151.2	151.3	151.2	151.1	150.9	150.8	150.6
117.5°	168.3	168.4	168.4	168.5	168.6	168.6	168.5	168.4	168.2	168.1	167.9
120°	184.9	185.4	185.8	186.3	186.8	187.0	186.8	186.4	186.1	185.7	185.3
122.5°	202.2	202.5	202.8	203.1	203.4	203.6	203.5	203.4	203.2	203.1	202.9
125°	219.9	220.1	220.4	220.6	220.9	221.0	220.9	220.8	220.6	220.5	220.3
127.5°	236.2	236.7	237.1	237.6	238.1	238.3	238.2	238.1	237.9	237.8	237.6
130°	252.4	253.0	253.7	254.3	255.0	255.3	255.2	254.9	254.7	254.4	254.2
132.5°	268.7	269.3	269.9	270.6	271.2	271.5	271.4	271.3	271.1	271.0	270.8
135°	285.3	285.8	286.2	286.7	287.2	287.4	287.4	287.3	287.2	287.2	287.1
137.5°	300.5	300.9	301.3	301.7	302.1	302.3	302.4	302.6	302.9	303.1	303.3
140°	316.4	316.8	317.2	317.6	318.0	318.2	318.2	318.3	318.4	318.4	318.5
142.5°	330.9	331.3	331.7	332.1	332.5	332.7	332.8	332.9	333.1	333.2	333.4
145°	346.1	346.3	346.4	346.6	346.7	346.8	346.9	347.2	347.4	347.7	347.9
147.5°	359.2	359.5	359.8	360.1	360.4	360.6	360.7	361.0	361.2	361.5	361.7
150°	373.0	373.2	373.3	373.5	373.6	373.7	373.8	373.9	374.1	374.2	374.4
152.5°	384.3	384.5	384.8	385.0	385.3	385.4	385.4	385.5	385.6	385.6	385.7
155°	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.4	396.5	396.6	396.7
157.5°	406.6	406.5	406.4	406.3	406.2	406.2	406.2	406.3	406.4	406.5	406.6
160°	416.1	415.9	415.8	415.6	415.5	415.4	415.4	415.4	415.4	415.4	415.4
162.5°	424.6	424.4	424.1	423.9	423.6	423.5	423.5	423.6	423.7	423.8	423.9
165°	431.7	431.5	431.2	431.0	430.7	430.6	430.6	430.6	430.6	430.6	430.6
167.5°	437.7	437.4	437.1	436.8	436.5	436.3	436.3	436.4	436.5	436.5	436.6
170°	442.6	442.3	442.0	441.7	441.4	441.2	441.2	441.2	441.2	441.2	441.2
172.5°	446.5	446.2	445.9	445.6	445.3	445.1	445.1	445.1	445.1	445.1	445.1
175°	449.0	448.7	448.4	448.1	447.8	447.6	447.6	447.6	447.6	447.6	447.6
177.5°	450.4	450.1	449.8	449.5	449.2	449.0	449.0	449.0	449.0	449.0	449.0
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	824.7	826.2	831.5	835.3	842.9	842.1	842.1	841.3	839.1	842.9	845.1
5°	882.3	895.2	896.7	913.4	914.2	921.0	925.6	921.8	930.9	930.1	923.3
7.5°	953.6	971.1	979.4	995.3	1013.6	1009.0	1026.5	1029.5	1028.0	1035.6	1040.9
10°	1031.8	1062.1	1083.4	1112.9	1120.5	1125.1	1136.5	1146.3	1166.0	1150.9	1160.7
12.5°	1121.3	1143.3	1171.4	1218.4	1241.9	1257.1	1262.4	1269.2	1282.9	1274.5	1275.3
15°	1196.4	1226.0	1273.8	1332.2	1339.0	1358.0	1353.4	1394.4	1414.1	1384.5	1401.2
17.5°	1274.5	1314.0	1370.9	1421.7	1450.5	1463.4	1475.6	1515.0	1513.5	1509.0	1512.7
20°	1324.6	1389.1	1459.6	1527.2	1535.5	1545.4	1578.0	1594.7	1591.6	1604.5	1612.9
22.5°	1395.2	1463.4	1538.5	1583.3	1602.3	1613.6	1639.4	1650.1	1654.6	1657.7	1652.3
25°	1454.3	1527.2	1582.5	1622.0	1633.4	1639.4	1647.8	1650.8	1648.5	1643.2	1647.8
27.5°	1494.5	1553.0	1590.9	1609.1	1603.0	1593.2	1577.2	1566.6	1543.1	1531.7	1545.4
30°	1511.2	1537.0	1548.4	1518.1	1487.7	1463.4	1433.1	1377.0	1332.9	1345.8	1328.4
32.5°	1484.7	1468.0	1413.4	1335.2	1311.7	1272.3	1186.5	1120.5	1122.8	1087.9	1102.3
35°	1406.5	1330.7	1227.5	1109.1	1078.0	1056.8	962.7	948.3	918.0	885.3	894.4
37.5°	1268.5	1157.7	1032.5	945.3	899.0	852.7	799.6	767.8	749.5	735.9	746.5
40°	1100.0	965.0	861.8	783.7	744.2	714.6	678.2	646.4	625.9	623.6	627.4
42.5°	934.7	820.9	726.0	651.7	638.8	603.9	580.4	555.3	549.3	539.4	544.7
45°	791.3	698.7	620.6	559.9	544.7	535.6	506.8	490.8	484.0	477.9	487.1
47.5°	687.3	590.2	533.3	496.9	481.7	466.6	450.6	440.0	434.7	435.5	434.7
50°	587.2	515.9	465.8	437.7	428.6	418.0	405.1	398.3	396.0	389.2	394.5
52.5°	505.3	453.7	418.8	392.2	385.4	377.8	367.2	363.4	358.1	356.6	356.6
55°	439.3	399.1	371.0	353.5	345.2	339.1	333.0	328.5	324.7	324.7	324.7
57.5°	387.7	352.8	332.3	317.1	314.1	308.0	301.2	301.2	295.9	295.1	297.4
60°	343.7	312.6	296.6	283.7	279.2	277.7	270.8	270.8	269.3	265.5	268.6
62.5°	298.9	276.1	262.5	252.6	248.1	248.1	242.8	239.0	239.0	239.7	238.2
65°	257.9	241.3	229.1	221.5	219.2	216.2	215.5	212.4	210.1	210.9	210.1
67.5°	221.5	208.6	200.3	194.2	190.4	188.9	186.6	186.6	185.1	185.9	182.1
70°	188.9	176.0	169.2	163.1	161.6	161.6	158.6	159.3	157.8	160.1	158.6
72.5°	155.5	145.7	140.4	138.1	136.6	135.8	134.3	132.8	132.0	133.5	132.8
75°	125.9	117.6	113.8	112.3	110.8	110.8	110.0	109.2	108.5	108.5	108.5
77.5°	97.9	92.6	88.0	89.5	87.2	88.0	85.7	85.7	86.5	85.7	85.7
80°	72.1	68.3	68.3	66.8	63.7	65.2	65.2	63.0	62.2	63.7	61.5
82.5°	47.8	47.0	45.5	44.8	43.2	44.0	43.2	42.5	41.7	43.2	41.7
85°	28.1	28.1	27.3	25.8	27.3	26.6	25.8	25.8	25.0	25.0	25.0
87.5°	14.4	12.9	12.9	12.1	12.9	11.4	12.1	11.4	10.6	11.4	10.6
90°	8.8	9.1	9.4	9.7	9.9	10.0	10.1	10.3	10.4	10.6	10.4
92.5°	15.0	15.3	15.5	15.8	15.9	15.8	15.7	15.5	15.4	15.2	15.4
95°	26.5	26.8	27.1	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6
97.5°	38.6	39.0	39.4	39.8	40.0	40.0	39.9	39.8	39.7	39.6	39.7
100°	52.2	52.4	52.7	52.9	53.0	53.1	53.2	53.4	53.5	53.7	53.5
102.5°	67.7	68.0	68.2	68.5	68.6	68.6	68.5	68.4	68.3	68.2	68.3
105°	83.4	83.4	83.4	83.4	83.4	83.5	83.6	83.8	83.9	84.1	83.9
107.5°	99.9	100.2	100.4	100.7	100.8	100.8	100.7	100.6	100.5	100.4	100.5
110°	116.6	116.9	117.2	117.5	117.7	117.6	117.5	117.3	117.2	117.0	117.2

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	133.3	133.7	134.1	134.5	134.7	134.7	134.7	134.7	134.7	134.7	134.7
115°	150.7	150.8	150.9	151.0	151.0	151.0	150.9	150.8	150.7	150.6	150.7
117.5°	167.9	167.9	167.9	167.9	167.9	167.8	167.6	167.3	167.1	166.9	167.1
120°	185.2	185.1	185.0	184.9	184.9	184.8	184.7	184.5	184.4	184.2	184.4
122.5°	202.7	202.5	202.2	202.0	201.9	201.8	201.5	201.3	201.0	200.8	201.0
125°	220.0	219.6	219.3	219.0	218.8	218.6	218.3	218.0	217.7	217.4	217.7
127.5°	237.1	236.7	236.2	235.7	235.5	235.3	235.0	234.7	234.3	234.0	234.3
130°	253.9	253.6	253.3	253.0	252.8	252.5	252.0	251.4	250.9	250.3	250.9
132.5°	270.4	270.0	269.6	269.2	269.0	268.8	268.4	268.1	267.7	267.3	267.7
135°	286.8	286.5	286.2	285.9	285.7	285.6	285.5	285.3	285.2	285.0	285.2
137.5°	302.9	302.5	302.2	301.8	301.6	301.5	301.2	301.0	300.7	300.5	300.7
140°	318.4	318.4	318.3	318.2	318.2	317.9	317.4	316.8	316.3	315.7	316.3
142.5°	333.3	333.2	333.1	333.0	333.0	332.8	332.4	332.1	331.7	331.3	331.7
145°	347.8	347.7	347.6	347.5	347.5	347.3	347.0	346.7	346.4	346.1	346.4
147.5°	361.7	361.7	361.7	361.7	361.7	361.5	361.0	360.5	360.1	359.6	360.1
150°	374.4	374.4	374.4	374.4	374.4	374.2	373.7	373.2	372.8	372.3	372.8
152.5°	385.9	386.0	386.2	386.3	386.4	386.2	385.8	385.5	385.1	384.7	385.1
155°	397.0	397.3	397.6	397.9	398.1	397.8	397.3	396.7	396.2	395.6	396.2
157.5°	406.9	407.2	407.5	407.8	408.0	407.8	407.3	406.8	406.4	405.9	406.4
160°	415.8	416.2	416.6	417.0	417.2	417.0	416.7	416.4	416.1	415.8	416.1
162.5°	424.3	424.7	425.1	425.5	425.7	425.4	424.9	424.3	423.8	423.2	423.8
165°	431.1	431.5	432.0	432.5	432.7	432.4	431.9	431.4	430.8	430.3	430.8
167.5°	437.1	437.6	438.1	438.6	438.8	438.6	438.1	437.6	437.1	436.6	437.1
170°	441.8	442.3	442.9	443.4	443.7	443.4	442.9	442.3	441.8	441.2	441.8
172.5°	445.6	446.0	446.5	447.0	447.2	446.9	446.4	445.9	445.3	444.8	445.3
175°	448.1	448.5	449.0	449.5	449.7	449.4	448.9	448.3	447.8	447.2	447.8
177.5°	449.5	449.9	450.4	450.9	451.1	450.8	450.3	449.8	449.2	448.7	449.2
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	839.1	841.3	835.3	833.8	833.8	836.8	834.5	814.0	817.8	813.3	811.8
5°	931.6	927.1	921.0	918.0	914.2	903.6	902.8	879.3	874.7	859.6	852.7
7.5°	1033.3	1029.5	1011.3	1009.0	1007.5	997.6	972.6	947.6	929.3	911.9	895.2
10°	1149.4	1138.0	1129.6	1112.9	1104.6	1090.9	1058.3	1034.8	1003.7	977.1	942.2
12.5°	1288.9	1276.0	1248.0	1235.8	1225.2	1187.3	1154.7	1128.1	1067.4	1049.2	1006.0
15°	1391.4	1364.1	1361.0	1334.5	1332.9	1291.2	1229.0	1200.2	1153.1	1086.4	1041.6
17.5°	1502.1	1477.9	1458.9	1427.0	1422.5	1383.0	1337.5	1266.9	1215.4	1151.6	1094.7
20°	1583.3	1570.4	1537.8	1524.9	1498.3	1465.0	1417.9	1330.7	1267.7	1204.0	1134.2
22.5°	1647.8	1634.9	1609.1	1591.6	1576.5	1533.2	1477.1	1402.7	1316.3	1232.8	1160.7
25°	1647.0	1643.2	1632.6	1624.3	1612.9	1581.0	1534.0	1462.7	1366.3	1274.5	1174.4
27.5°	1553.7	1564.3	1582.5	1591.6	1589.4	1584.8	1558.3	1498.3	1411.8	1302.6	1190.3
30°	1359.5	1398.2	1432.3	1477.9	1491.5	1524.9	1540.1	1505.9	1436.9	1335.2	1210.8
32.5°	1127.4	1183.5	1257.8	1282.9	1326.1	1390.6	1462.7	1475.6	1432.3	1354.2	1223.7
35°	924.8	971.1	1028.7	1068.2	1106.9	1211.6	1302.6	1381.5	1395.9	1344.3	1220.7
37.5°	765.5	798.1	848.9	882.3	918.0	1007.5	1134.9	1237.4	1309.4	1310.9	1212.3
40°	650.2	664.6	708.6	732.9	767.0	844.4	958.2	1091.7	1197.2	1245.7	1190.3
42.5°	550.8	569.7	606.2	624.4	646.4	713.9	789.0	915.7	1046.2	1150.1	1149.4
45°	491.6	505.3	522.0	537.1	562.2	602.4	688.1	782.9	908.1	1025.7	1072.0
47.5°	439.3	452.2	468.8	473.4	490.1	528.0	580.4	663.1	779.9	896.7	984.0
50°	395.3	405.9	417.3	425.6	433.2	464.3	503.7	573.5	666.9	779.9	888.4
52.5°	361.1	368.7	378.6	383.1	389.9	412.7	443.1	494.6	571.3	674.4	779.9
55°	329.3	334.6	340.6	348.2	351.3	367.9	391.5	435.5	492.4	584.9	685.1
57.5°	299.7	301.9	305.7	310.3	314.1	328.5	349.0	378.6	428.6	500.0	594.8
60°	266.3	272.4	274.6	279.2	281.5	292.8	308.8	333.8	372.5	433.9	505.3
62.5°	238.2	242.0	245.8	248.1	253.4	257.2	270.1	292.8	324.7	370.2	434.7
65°	213.2	214.7	217.0	219.2	220.8	225.3	237.5	252.6	276.9	317.1	367.2
67.5°	184.4	185.9	188.9	189.7	191.2	197.2	204.1	217.0	237.5	267.8	308.8
70°	156.3	158.6	160.1	161.6	163.9	166.1	173.7	184.4	200.3	221.5	253.4
72.5°	132.0	134.3	134.3	135.8	135.0	138.1	145.7	153.2	163.9	181.3	209.4
75°	107.7	107.7	109.2	110.0	110.8	113.8	116.8	122.9	131.2	144.9	162.4
77.5°	85.0	84.2	85.7	85.7	85.7	88.0	91.0	94.1	99.4	109.2	122.9
80°	62.2	62.2	63.7	64.5	63.0	63.7	65.2	68.3	72.1	78.9	86.5
82.5°	41.0	44.0	43.2	44.0	43.2	44.8	45.5	46.3	47.8	50.8	56.1
85°	25.0	25.0	25.0	25.8	25.0	25.8	25.8	25.8	26.6	28.1	30.3
87.5°	10.6	10.6	10.6	11.4	10.6	10.6	11.4	10.6	11.4	11.4	12.1
90°	10.3	10.1	10.0	9.9	9.7	9.4	9.1	8.8	8.5	7.5	6.5
92.5°	15.5	15.7	15.8	15.9	15.8	15.5	15.3	15.0	14.8	14.3	13.9
95°	27.6	27.6	27.6	27.6	27.4	27.1	26.8	26.5	26.2	25.6	24.9
97.5°	39.8	39.9	40.0	40.0	39.8	39.4	39.0	38.6	38.2	37.7	37.3
100°	53.4	53.2	53.1	53.0	52.9	52.7	52.4	52.2	52.0	51.6	51.2
102.5°	68.4	68.5	68.6	68.6	68.5	68.2	68.0	67.7	67.5	67.0	66.4
105°	83.8	83.6	83.5	83.4	83.4	83.4	83.4	83.4	83.4	82.7	82.0
107.5°	100.6	100.7	100.8	100.8	100.7	100.4	100.2	99.9	99.7	99.4	99.1
110°	117.3	117.5	117.6	117.7	117.5	117.2	116.9	116.6	116.3	116.1	116.0

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	134.7	134.7	134.7	134.7	134.5	134.1	133.7	133.3	132.9	132.9	132.9
115°	150.8	150.9	151.0	151.0	151.0	150.9	150.8	150.7	150.6	150.8	150.9
117.5°	167.3	167.6	167.8	167.9	167.9	167.9	167.9	167.9	167.9	168.1	168.2
120°	184.5	184.7	184.8	184.9	184.9	185.0	185.1	185.2	185.3	185.7	186.1
122.5°	201.3	201.5	201.8	201.9	202.0	202.2	202.5	202.7	202.9	203.1	203.2
125°	218.0	218.3	218.6	218.8	219.0	219.3	219.6	220.0	220.3	220.5	220.6
127.5°	234.7	235.0	235.3	235.5	235.7	236.2	236.7	237.1	237.6	237.8	237.9
130°	251.4	252.0	252.5	252.8	253.0	253.3	253.6	253.9	254.2	254.4	254.7
132.5°	268.1	268.4	268.8	269.0	269.2	269.6	270.0	270.4	270.8	271.0	271.1
135°	285.3	285.5	285.6	285.7	285.9	286.2	286.5	286.8	287.1	287.2	287.2
137.5°	301.0	301.2	301.5	301.6	301.8	302.2	302.5	302.9	303.3	303.1	302.9
140°	316.8	317.4	317.9	318.2	318.2	318.3	318.4	318.4	318.5	318.4	318.4
142.5°	332.1	332.4	332.8	333.0	333.0	333.1	333.2	333.3	333.4	333.2	333.1
145°	346.7	347.0	347.3	347.5	347.5	347.6	347.7	347.8	347.9	347.7	347.4
147.5°	360.5	361.0	361.5	361.7	361.7	361.7	361.7	361.7	361.7	361.5	361.2
150°	373.2	373.7	374.2	374.4	374.4	374.4	374.4	374.4	374.4	374.2	374.1
152.5°	385.5	385.8	386.2	386.4	386.3	386.2	386.0	385.9	385.7	385.6	385.6
155°	396.7	397.3	397.8	398.1	397.9	397.6	397.3	397.0	396.7	396.6	396.5
157.5°	406.8	407.3	407.8	408.0	407.8	407.5	407.2	406.9	406.6	406.5	406.4
160°	416.4	416.7	417.0	417.2	417.0	416.6	416.2	415.8	415.4	415.4	415.4
162.5°	424.3	424.9	425.4	425.7	425.5	425.1	424.7	424.3	423.9	423.8	423.7
165°	431.4	431.9	432.4	432.7	432.5	432.0	431.5	431.1	430.6	430.6	430.6
167.5°	437.6	438.1	438.6	438.8	438.6	438.1	437.6	437.1	436.6	436.5	436.5
170°	442.3	442.9	443.4	443.7	443.4	442.9	442.3	441.8	441.2	441.2	441.2
172.5°	445.9	446.4	446.9	447.2	447.0	446.5	446.0	445.6	445.1	445.1	445.1
175°	448.3	448.9	449.4	449.7	449.5	449.0	448.5	448.1	447.6	447.6	447.6
177.5°	449.8	450.3	450.8	451.1	450.9	450.4	449.9	449.5	449.0	449.0	449.0
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	804.2	801.9	801.9	800.4	795.8	787.5	786.7	788.2	783.7	779.1	772.3
5°	843.6	829.2	824.7	820.1	811.0	795.8	789.8	784.4	776.1	766.2	755.6
7.5°	877.0	856.5	850.4	842.1	823.9	802.7	789.0	777.6	766.2	752.6	739.7
10°	918.7	889.1	874.7	862.6	837.6	808.0	787.5	770.8	752.6	735.9	719.2
12.5°	965.8	918.0	913.4	883.8	855.0	811.0	786.0	761.7	737.4	716.9	699.5
15°	1005.2	952.9	933.9	914.2	858.8	804.2	779.9	752.6	724.5	702.5	676.7
17.5°	1030.2	987.0	946.8	920.2	862.6	814.0	767.0	735.9	706.3	676.0	654.7
20°	1060.6	997.6	962.7	927.1	870.2	806.4	759.4	720.7	684.3	657.0	631.2
22.5°	1090.9	1006.0	977.1	938.5	871.7	798.9	745.8	707.1	665.3	638.0	610.0
25°	1087.9	1018.1	970.3	937.7	856.5	792.0	729.8	684.3	645.6	610.7	582.6
27.5°	1090.2	1004.5	955.9	918.0	845.9	782.2	713.1	665.3	625.1	588.7	559.1
30°	1090.9	984.0	941.5	896.0	826.2	758.7	694.2	645.6	603.1	563.7	537.1
32.5°	1088.7	967.3	914.2	873.2	795.1	735.9	672.2	620.6	577.3	540.9	515.9
35°	1083.4	947.6	886.1	834.5	763.2	703.3	651.7	598.6	552.3	518.9	490.1
37.5°	1068.9	926.3	856.5	805.7	726.0	665.3	619.8	575.8	531.1	491.6	467.3
40°	1058.3	897.5	826.9	771.5	685.8	626.6	588.7	547.0	503.0	467.3	443.8
42.5°	1034.0	870.2	796.6	730.6	646.4	585.7	550.0	516.6	478.7	443.8	422.6
45°	994.6	840.6	759.4	692.6	603.1	545.5	512.8	485.5	452.2	418.8	397.5
47.5°	939.2	798.1	720.0	653.2	560.6	502.2	469.6	449.1	422.6	394.5	376.3
50°	879.3	751.8	679.8	613.7	519.7	462.8	430.9	411.9	394.5	368.7	351.3
52.5°	801.1	702.5	633.5	570.5	475.7	421.1	393.0	379.3	361.1	342.9	327.7
55°	725.3	638.8	581.9	522.0	432.4	381.6	354.3	339.9	329.3	314.1	301.9
57.5°	637.3	579.6	527.3	472.6	392.2	345.9	320.2	302.7	295.9	289.0	277.7
60°	556.1	512.1	469.6	424.1	350.5	308.8	283.7	270.1	263.3	258.7	251.1
62.5°	481.7	447.6	411.2	374.8	308.0	270.1	251.1	237.5	231.4	230.6	223.8
65°	410.4	386.2	356.6	320.9	268.6	235.2	217.0	208.6	201.8	201.8	196.5
67.5°	339.1	322.4	298.9	273.9	232.9	201.8	185.1	177.5	173.7	173.7	169.9
70°	282.2	270.8	249.6	227.6	191.9	168.4	155.5	148.7	146.4	147.2	144.1
72.5°	229.1	217.0	199.5	183.6	157.0	139.6	130.5	122.9	119.1	119.9	119.1
75°	177.5	171.5	156.3	144.1	122.9	110.8	102.4	98.6	95.6	96.3	94.8
77.5°	133.5	124.4	116.1	107.7	94.8	85.0	78.1	74.3	72.1	72.1	72.1
80°	91.0	89.5	82.7	78.1	67.5	59.9	54.6	53.9	51.6	51.6	51.6
82.5°	59.2	55.4	51.6	48.6	42.5	37.9	35.7	34.1	33.4	32.6	34.1
85°	32.6	30.3	28.8	25.8	23.5	21.2	19.0	18.2	17.4	18.2	17.4
87.5°	12.9	10.6	10.6	9.9	9.1	8.3	8.3	6.8	6.8	6.1	6.1
90°	5.4	4.4	3.9	3.5	2.7	2.0	1.2	0.4	1.2	2.0	2.7
92.5°	13.4	12.9	12.7	12.5	12.0	11.5	11.1	10.6	11.1	11.5	12.0
95°	24.3	23.6	23.3	23.0	22.5	22.0	21.4	20.9	21.4	22.0	22.5
97.5°	36.8	36.3	36.1	35.9	35.5	35.1	34.7	34.3	34.7	35.1	35.5
100°	50.8	50.4	50.2	50.0	49.5	49.0	48.6	48.1	48.6	49.0	49.5
102.5°	65.9	65.4	65.1	65.0	64.7	64.5	64.2	64.0	64.2	64.5	64.7
105°	81.3	80.6	80.3	80.2	80.0	79.9	79.7	79.5	79.7	79.9	80.0
107.5°	98.8	98.5	98.3	98.3	98.2	98.1	98.0	97.9	98.0	98.1	98.2
110°	115.8	115.7	115.6	115.5	115.4	115.2	115.1	114.9	115.1	115.2	115.4

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	132.9	132.9	132.9	132.9	132.8	132.7	132.7	132.6	132.7	132.7	132.8
115°	151.1	151.2	151.3	151.2	151.0	150.7	150.5	150.3	150.5	150.7	151.0
117.5°	168.4	168.5	168.6	168.6	168.5	168.4	168.4	168.3	168.4	168.4	168.5
120°	186.4	186.8	187.0	186.8	186.3	185.8	185.4	184.9	185.4	185.8	186.3
122.5°	203.4	203.5	203.6	203.4	203.1	202.8	202.5	202.2	202.5	202.8	203.1
125°	220.8	220.9	221.0	220.9	220.6	220.4	220.1	219.9	220.1	220.4	220.6
127.5°	238.1	238.2	238.3	238.1	237.6	237.1	236.7	236.2	236.7	237.1	237.6
130°	254.9	255.2	255.3	255.0	254.3	253.7	253.0	252.4	253.0	253.7	254.3
132.5°	271.3	271.4	271.5	271.2	270.6	269.9	269.3	268.7	269.3	269.9	270.6
135°	287.3	287.4	287.4	287.2	286.7	286.2	285.8	285.3	285.8	286.2	286.7
137.5°	302.6	302.4	302.3	302.1	301.7	301.3	300.9	300.5	300.9	301.3	301.7
140°	318.3	318.2	318.2	318.0	317.6	317.2	316.8	316.4	316.8	317.2	317.6
142.5°	332.9	332.8	332.7	332.5	332.1	331.7	331.3	330.9	331.3	331.7	332.1
145°	347.2	346.9	346.8	346.7	346.6	346.4	346.3	346.1	346.3	346.4	346.6
147.5°	361.0	360.7	360.6	360.4	360.1	359.8	359.5	359.2	359.5	359.8	360.1
150°	373.9	373.8	373.7	373.6	373.5	373.3	373.2	373.0	373.2	373.3	373.5
152.5°	385.5	385.4	385.4	385.3	385.0	384.8	384.5	384.3	384.5	384.8	385.0
155°	396.4	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3	396.3
157.5°	406.3	406.2	406.2	406.2	406.3	406.4	406.5	406.6	406.5	406.4	406.3
160°	415.4	415.4	415.4	415.5	415.6	415.8	415.9	416.1	415.9	415.8	415.6
162.5°	423.6	423.5	423.5	423.6	423.9	424.1	424.4	424.6	424.4	424.1	423.9
165°	430.6	430.6	430.6	430.7	431.0	431.2	431.5	431.7	431.5	431.2	431.0
167.5°	436.4	436.3	436.3	436.5	436.8	437.1	437.4	437.7	437.4	437.1	436.8
170°	441.2	441.2	441.2	441.4	441.7	442.0	442.3	442.6	442.3	442.0	441.7
172.5°	445.1	445.1	445.1	445.3	445.6	445.9	446.2	446.5	446.2	445.9	445.6
175°	447.6	447.6	447.6	447.8	448.1	448.4	448.7	449.0	448.7	448.4	448.1
177.5°	449.0	449.0	449.0	449.2	449.5	449.8	450.1	450.4	450.1	449.8	449.5
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	770.8	770.0	771.5	767.0	759.4	755.6	745.0	742.7	742.0	742.7	743.5
5°	749.5	748.8	746.5	738.9	729.8	723.0	710.1	709.3	704.8	700.2	702.5
7.5°	729.1	726.0	721.5	711.6	699.5	691.9	681.3	673.7	667.6	663.8	660.8
10°	708.6	704.0	699.5	686.6	671.4	660.0	647.1	641.1	634.2	631.2	628.2
12.5°	682.0	677.5	669.1	654.0	644.9	630.4	617.5	611.5	607.7	601.6	597.8
15°	660.8	651.7	647.1	631.2	612.2	610.7	587.2	585.7	578.1	578.1	572.0
17.5°	636.5	629.7	621.3	605.4	591.7	578.1	566.0	561.4	554.6	553.1	550.0
20°	613.0	603.9	600.9	584.9	570.5	553.8	540.9	536.4	533.3	530.3	532.6
22.5°	588.7	581.1	573.5	559.1	548.5	531.8	524.2	519.7	515.1	513.6	514.4
25°	565.2	558.4	550.8	536.4	525.0	511.3	504.5	502.2	500.0	500.0	499.2
27.5°	542.4	535.6	528.8	515.9	504.5	494.6	489.3	487.1	484.8	486.3	487.8
30°	518.9	512.8	506.8	495.4	486.3	477.2	474.2	472.6	471.9	475.7	475.7
32.5°	497.7	492.4	487.8	477.2	468.1	460.5	458.2	459.0	459.7	462.0	463.5
35°	475.7	471.9	467.3	458.2	450.6	443.8	444.6	444.6	446.1	449.9	452.9
37.5°	455.9	450.6	446.8	439.3	433.2	427.1	429.4	431.7	433.2	437.7	439.3
40°	432.4	430.2	427.1	419.5	414.2	413.5	414.2	415.7	418.8	421.1	423.3
42.5°	413.5	410.4	406.6	400.6	396.0	396.8	397.5	399.1	400.6	404.4	406.6
45°	392.2	389.9	386.9	381.6	377.8	378.6	379.3	379.3	380.8	385.4	386.9
47.5°	368.7	369.5	365.7	360.4	358.1	358.1	358.1	359.6	363.4	364.9	365.7
50°	345.9	344.4	343.7	338.4	336.8	336.1	336.8	337.6	342.9	342.2	344.4
52.5°	321.7	321.7	320.9	317.9	315.6	315.6	314.1	317.9	319.4	320.9	323.2
55°	298.1	295.9	295.1	293.6	290.6	289.8	291.3	295.9	297.4	298.9	301.2
57.5°	272.4	272.4	270.8	268.6	268.6	268.6	268.6	271.6	273.9	275.4	279.9
60°	248.8	245.8	243.5	243.5	243.5	242.8	247.3	247.3	251.9	252.6	254.1
62.5°	220.8	219.2	217.7	218.5	217.7	219.2	220.8	223.8	224.6	226.8	229.1
65°	194.2	194.2	192.7	197.2	194.2	194.2	198.0	198.0	199.5	201.8	204.8
67.5°	168.4	169.2	167.7	167.7	169.2	169.9	170.7	173.7	174.5	177.5	181.3
70°	141.9	143.4	144.1	142.6	144.1	145.7	147.2	147.9	151.0	152.5	154.8
72.5°	118.3	119.9	117.6	118.3	119.1	120.6	121.4	122.9	124.4	129.0	130.5
75°	94.8	94.1	93.3	96.3	94.8	97.9	98.6	98.6	100.1	103.9	105.5
77.5°	72.8	72.8	73.6	72.1	74.3	73.6	74.3	76.6	78.9	78.9	85.0
80°	50.8	52.3	52.3	52.3	53.1	53.9	52.3	56.1	56.9	56.9	59.2
82.5°	32.6	33.4	32.6	34.1	34.1	35.7	34.9	35.7	37.2	38.7	39.4
85°	17.4	17.4	19.0	19.0	18.2	19.0	18.2	19.0	20.5	20.5	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°	3.5	3.9	4.4	5.4	6.5	7.5	8.5	8.8	9.1	9.4	9.7
92.5°	12.5	12.7	12.9	13.4	13.9	14.3	14.8	15.0	15.3	15.5	15.8
95°	23.0	23.3	23.6	24.3	24.9	25.6	26.2	26.5	26.8	27.1	27.4
97.5°	35.9	36.1	36.3	36.8	37.3	37.7	38.2	38.6	39.0	39.4	39.8
100°	50.0	50.2	50.4	50.8	51.2	51.6	52.0	52.2	52.4	52.7	52.9
102.5°	65.0	65.1	65.4	65.9	66.4	67.0	67.5	67.7	68.0	68.2	68.5
105°	80.2	80.3	80.6	81.3	82.0	82.7	83.4	83.4	83.4	83.4	83.4
107.5°	98.3	98.3	98.5	98.8	99.1	99.4	99.7	99.9	100.2	100.4	100.7
110°	115.5	115.6	115.7	115.8	116.0	116.1	116.3	116.6	116.9	117.2	117.5

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	133.3	133.7	134.1	134.5
115°	151.2	151.3	151.2	151.1	150.9	150.8	150.6	150.7	150.8	150.9	151.0
117.5°	168.6	168.6	168.5	168.4	168.2	168.1	167.9	167.9	167.9	167.9	167.9
120°	186.8	187.0	186.8	186.4	186.1	185.7	185.3	185.2	185.1	185.0	184.9
122.5°	203.4	203.6	203.5	203.4	203.2	203.1	202.9	202.7	202.5	202.2	202.0
125°	220.9	221.0	220.9	220.8	220.6	220.5	220.3	220.0	219.6	219.3	219.0
127.5°	238.1	238.3	238.2	238.1	237.9	237.8	237.6	237.1	236.7	236.2	235.7
130°	255.0	255.3	255.2	254.9	254.7	254.4	254.2	253.9	253.6	253.3	253.0
132.5°	271.2	271.5	271.4	271.3	271.1	271.0	270.8	270.4	270.0	269.6	269.2
135°	287.2	287.4	287.4	287.3	287.2	287.2	287.1	286.8	286.5	286.2	285.9
137.5°	302.1	302.3	302.4	302.6	302.9	303.1	303.3	302.9	302.5	302.2	301.8
140°	318.0	318.2	318.2	318.3	318.4	318.4	318.5	318.4	318.4	318.3	318.2
142.5°	332.5	332.7	332.8	332.9	333.1	333.2	333.4	333.3	333.2	333.1	333.0
145°	346.7	346.8	346.9	347.2	347.4	347.7	347.9	347.8	347.7	347.6	347.5
147.5°	360.4	360.6	360.7	361.0	361.2	361.5	361.7	361.7	361.7	361.7	361.7
150°	373.6	373.7	373.8	373.9	374.1	374.2	374.4	374.4	374.4	374.4	374.4
152.5°	385.3	385.4	385.4	385.5	385.6	385.6	385.7	385.9	386.0	386.2	386.3
155°	396.3	396.3	396.3	396.4	396.5	396.6	396.7	397.0	397.3	397.6	397.9
157.5°	406.2	406.2	406.2	406.3	406.4	406.5	406.6	406.9	407.2	407.5	407.8
160°	415.5	415.4	415.4	415.4	415.4	415.4	415.4	415.8	416.2	416.6	417.0
162.5°	423.6	423.5	423.5	423.6	423.7	423.8	423.9	424.3	424.7	425.1	425.5
165°	430.7	430.6	430.6	430.6	430.6	430.6	430.6	431.1	431.5	432.0	432.5
167.5°	436.5	436.3	436.3	436.4	436.5	436.5	436.6	437.1	437.6	438.1	438.6
170°	441.4	441.2	441.2	441.2	441.2	441.2	441.2	441.8	442.3	442.9	443.4
172.5°	445.3	445.1	445.1	445.1	445.1	445.1	445.1	445.6	446.0	446.5	447.0
175°	447.8	447.6	447.6	447.6	447.6	447.6	447.6	448.1	448.5	449.0	449.5
177.5°	449.2	449.0	449.0	449.0	449.0	449.0	449.0	449.5	449.9	450.4	450.9
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	742.7	743.5	740.4	738.2	744.2	740.4	740.4	741.2	739.7	742.0	741.2
5°	701.0	701.8	696.4	698.0	694.9	694.2	693.4	698.0	697.2	696.4	698.0
7.5°	660.0	660.0	657.7	656.2	656.2	654.0	657.0	656.2	657.7	657.7	660.0
10°	625.9	627.4	623.6	619.8	619.1	619.8	619.8	620.6	621.3	626.6	625.9
12.5°	597.8	595.5	594.8	592.5	588.7	587.2	585.7	594.0	591.7	591.7	591.7
15°	566.7	572.0	571.3	564.4	562.9	566.0	564.4	564.4	572.0	571.3	570.5
17.5°	550.0	548.5	547.0	543.2	544.0	543.2	544.0	544.0	548.5	548.5	548.5
20°	531.1	528.0	528.0	526.5	526.5	524.2	527.3	528.0	531.1	531.1	531.8
22.5°	514.4	512.1	512.1	511.3	512.8	509.8	512.8	513.6	513.6	515.9	515.9
25°	500.0	498.4	498.4	500.0	500.0	500.0	500.0	503.0	500.7	501.5	500.7
27.5°	487.1	487.8	488.6	489.3	488.6	489.3	490.1	491.6	492.4	491.6	490.1
30°	474.9	477.2	477.9	477.9	479.5	480.2	481.0	481.0	481.7	479.5	481.0
32.5°	465.8	465.8	467.3	468.1	469.6	470.4	470.4	471.9	471.1	468.8	469.6
35°	452.9	452.9	455.9	457.5	459.7	459.0	459.7	459.7	460.5	459.0	456.7
37.5°	440.0	441.5	441.5	444.6	445.3	446.1	445.3	446.8	446.1	444.6	443.8
40°	424.8	424.1	424.8	427.1	427.9	427.9	427.9	429.4	429.4	429.4	428.6
42.5°	405.9	408.2	407.4	409.7	408.9	408.9	410.4	411.9	412.7	410.4	411.2
45°	387.7	387.7	389.2	389.2	389.9	389.9	393.0	391.5	393.0	391.5	392.2
47.5°	367.9	368.7	368.7	369.5	371.0	372.5	371.0	371.7	371.7	372.5	371.0
50°	345.9	345.9	347.5	349.7	352.8	351.3	350.5	353.5	351.3	351.3	349.7
52.5°	323.2	325.5	326.2	328.5	330.8	331.5	332.3	330.8	331.5	329.3	330.0
55°	301.2	301.9	305.0	307.3	309.5	309.5	308.8	309.5	310.3	307.3	307.3
57.5°	279.2	281.5	284.5	284.5	287.5	287.5	286.8	286.8	287.5	285.3	284.5
60°	255.7	257.9	261.7	261.7	266.3	267.0	265.5	264.0	264.0	261.7	262.5
62.5°	230.6	232.9	235.2	239.0	242.0	240.5	243.5	240.5	241.3	236.7	236.7
65°	208.6	209.4	213.2	217.0	217.0	218.5	217.0	217.7	215.5	215.5	212.4
67.5°	182.8	182.8	186.6	190.4	194.2	194.2	194.2	191.9	191.9	189.7	189.7
70°	160.1	159.3	163.1	165.4	167.7	168.4	166.9	166.1	164.6	162.4	161.6
72.5°	132.0	133.5	137.3	138.8	142.6	141.9	145.7	141.1	141.1	137.3	136.6
75°	107.0	108.5	112.3	114.6	116.8	116.8	119.1	116.8	113.8	112.3	111.5
77.5°	85.0	84.2	87.2	91.0	91.8	91.0	92.6	91.8	88.8	88.8	87.2
80°	60.7	63.0	66.0	65.2	68.3	67.5	67.5	66.0	66.0	63.7	65.2
82.5°	40.2	42.5	43.2	42.5	43.2	44.8	45.5	44.8	44.8	43.2	44.0
85°	21.2	21.2	22.8	23.5	22.8	22.8	23.5	25.8	24.3	22.8	24.3
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°	9.9	10.0	10.1	10.3	10.4	10.6	10.4	10.3	10.1	10.0	9.9
92.5°	15.9	15.8	15.7	15.5	15.4	15.2	15.4	15.5	15.7	15.8	15.9
95°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
97.5°	40.0	40.0	39.9	39.8	39.7	39.6	39.7	39.8	39.9	40.0	40.0
100°	53.0	53.1	53.2	53.4	53.5	53.7	53.5	53.4	53.2	53.1	53.0
102.5°	68.6	68.6	68.5	68.4	68.3	68.2	68.3	68.4	68.5	68.6	68.6
105°	83.4	83.5	83.6	83.8	83.9	84.1	83.9	83.8	83.6	83.5	83.4
107.5°	100.8	100.8	100.7	100.6	100.5	100.4	100.5	100.6	100.7	100.8	100.8
110°	117.7	117.6	117.5	117.3	117.2	117.0	117.2	117.3	117.5	117.6	117.7

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7	134.7
115°	151.0	151.0	150.9	150.8	150.7	150.6	150.7	150.8	150.9	151.0	151.0
117.5°	167.9	167.8	167.6	167.3	167.1	166.9	167.1	167.3	167.6	167.8	167.9
120°	184.9	184.8	184.7	184.5	184.4	184.2	184.4	184.5	184.7	184.8	184.9
122.5°	201.9	201.8	201.5	201.3	201.0	200.8	201.0	201.3	201.5	201.8	201.9
125°	218.8	218.6	218.3	218.0	217.7	217.4	217.7	218.0	218.3	218.6	218.8
127.5°	235.5	235.3	235.0	234.7	234.3	234.0	234.3	234.7	235.0	235.3	235.5
130°	252.8	252.5	252.0	251.4	250.9	250.3	250.9	251.4	252.0	252.5	252.8
132.5°	269.0	268.8	268.4	268.1	267.7	267.3	267.7	268.1	268.4	268.8	269.0
135°	285.7	285.6	285.5	285.3	285.2	285.0	285.2	285.3	285.5	285.6	285.7
137.5°	301.6	301.5	301.2	301.0	300.7	300.5	300.7	301.0	301.2	301.5	301.6
140°	318.2	317.9	317.4	316.8	316.3	315.7	316.3	316.8	317.4	317.9	318.2
142.5°	333.0	332.8	332.4	332.1	331.7	331.3	331.7	332.1	332.4	332.8	333.0
145°	347.5	347.3	347.0	346.7	346.4	346.1	346.4	346.7	347.0	347.3	347.5
147.5°	361.7	361.5	361.0	360.5	360.1	359.6	360.1	360.5	361.0	361.5	361.7
150°	374.4	374.2	373.7	373.2	372.8	372.3	372.8	373.2	373.7	374.2	374.4
152.5°	386.4	386.2	385.8	385.5	385.1	384.7	385.1	385.5	385.8	386.2	386.4
155°	398.1	397.8	397.3	396.7	396.2	395.6	396.2	396.7	397.3	397.8	398.1
157.5°	408.0	407.8	407.3	406.8	406.4	405.9	406.4	406.8	407.3	407.8	408.0
160°	417.2	417.0	416.7	416.4	416.1	415.8	416.1	416.4	416.7	417.0	417.2
162.5°	425.7	425.4	424.9	424.3	423.8	423.2	423.8	424.3	424.9	425.4	425.7
165°	432.7	432.4	431.9	431.4	430.8	430.3	430.8	431.4	431.9	432.4	432.7
167.5°	438.8	438.6	438.1	437.6	437.1	436.6	437.1	437.6	438.1	438.6	438.8
170°	443.7	443.4	442.9	442.3	441.8	441.2	441.8	442.3	442.9	443.4	443.7
172.5°	447.2	446.9	446.4	445.9	445.3	444.8	445.3	445.9	446.4	446.9	447.2
175°	449.7	449.4	448.9	448.3	447.8	447.2	447.8	448.3	448.9	449.4	449.7
177.5°	451.1	450.8	450.3	449.8	449.2	448.7	449.2	449.8	450.3	450.8	451.1
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9	782.9
2.5°	743.5	745.0	745.8	742.7	740.4	744.2	749.5	753.3	756.4	760.2	762.4
5°	699.5	704.8	704.8	706.3	708.6	712.4	722.2	729.1	735.1	739.7	743.5
7.5°	662.3	666.1	668.4	672.2	676.0	681.3	692.6	702.5	711.6	716.9	723.0
10°	628.9	632.0	635.7	638.0	644.9	652.4	666.9	675.2	685.8	694.2	701.8
12.5°	597.1	607.7	610.0	609.2	615.3	623.6	638.0	650.9	662.3	670.6	679.0
15°	574.3	578.1	582.6	581.9	594.8	597.1	609.2	624.4	639.5	644.9	652.4
17.5°	549.3	555.3	559.9	562.2	566.0	574.3	585.7	597.1	616.8	617.5	637.3
20°	529.5	535.6	538.6	541.7	544.0	553.8	563.7	576.6	592.5	600.9	611.5
22.5°	516.6	519.7	522.0	524.2	527.3	532.6	544.7	559.1	569.7	578.9	585.7
25°	501.5	504.5	507.5	509.1	511.3	514.4	523.5	534.8	550.0	556.1	562.9
27.5°	490.8	490.8	492.4	492.4	495.4	498.4	505.3	515.9	528.0	535.6	544.7
30°	479.5	478.7	479.5	478.7	477.9	482.5	488.6	497.7	506.0	515.1	521.2
32.5°	468.1	467.3	467.3	468.1	465.1	467.3	470.4	478.7	487.8	492.4	499.2
35°	455.9	454.4	454.4	454.4	452.9	451.4	454.4	462.0	468.1	474.2	479.5
37.5°	443.8	441.5	441.5	440.0	438.5	436.2	436.2	442.3	450.6	452.9	459.7
40°	427.1	427.1	425.6	424.8	423.3	421.8	419.5	424.8	432.4	434.7	440.0
42.5°	410.4	408.2	407.4	407.4	407.4	405.1	403.6	407.4	411.9	415.7	418.8
45°	391.5	389.9	390.7	389.9	388.4	387.7	386.9	388.4	393.7	395.3	399.1
47.5°	371.0	370.2	370.2	369.5	368.7	369.5	366.4	370.2	371.7	373.3	376.3
50°	349.7	349.0	348.2	347.5	347.5	348.2	347.5	347.5	350.5	352.0	355.0
52.5°	328.5	326.2	326.2	325.5	325.5	323.9	325.5	326.2	327.7	329.3	330.8
55°	305.7	305.7	303.5	303.5	301.9	301.9	302.7	301.9	305.0	306.5	306.5
57.5°	283.7	280.7	281.5	279.9	278.4	277.7	277.7	279.2	280.7	280.7	282.2
60°	260.2	257.2	256.4	253.4	254.9	252.6	253.4	253.4	256.4	254.9	256.4
62.5°	236.7	232.9	230.6	229.1	229.1	229.9	228.4	227.6	229.1	230.6	233.7
65°	211.7	209.4	207.1	204.8	204.8	204.1	205.6	203.3	202.6	203.3	204.8
67.5°	185.9	183.6	181.3	179.0	179.8	177.5	176.0	178.3	176.8	177.5	179.0
70°	160.8	159.3	154.8	153.2	152.5	153.2	152.5	151.0	153.2	152.5	153.2
72.5°	135.8	134.3	132.0	128.2	128.2	127.5	126.7	126.7	125.9	125.9	125.9
75°	111.5	108.5	106.2	105.5	103.9	103.2	102.4	100.9	101.7	102.4	100.9
77.5°	86.5	82.7	81.9	81.9	79.7	79.7	80.4	79.7	78.9	78.9	78.9
80°	63.7	60.7	60.7	59.2	57.7	57.7	57.7	57.7	56.9	56.1	56.9
82.5°	41.0	40.2	39.4	39.4	41.0	37.9	39.4	38.7	37.9	37.9	37.2
85°	22.8	23.5	22.8	23.5	22.0	22.8	22.8	22.8	22.0	22.8	21.2
87.5°	8.3	8.3	8.3	9.1	9.1	9.1	9.1	9.1	9.9	9.1	9.1
90°	9.7	9.4	9.1	8.8	8.5	7.5	6.5	5.4	4.4	3.9	3.5
92.5°	15.8	15.5	15.3	15.0	14.8	14.3	13.9	13.4	12.9	12.7	12.5
95°	27.4	27.1	26.8	26.5	26.2	25.6	24.9	24.3	23.6	23.3	23.0
97.5°	39.8	39.4	39.0	38.6	38.2	37.7	37.3	36.8	36.3	36.1	35.9
100°	52.9	52.7	52.4	52.2	52.0	51.6	51.2	50.8	50.4	50.2	50.0
102.5°	68.5	68.2	68.0	67.7	67.5	67.0	66.4	65.9	65.4	65.1	65.0
105°	83.4	83.4	83.4	83.4	83.4	82.7	82.0	81.3	80.6	80.3	80.2
107.5°	100.7	100.4	100.2	99.9	99.7	99.4	99.1	98.8	98.5	98.3	98.3
110°	117.5	117.2	116.9	116.6	116.3	116.1	116.0	115.8	115.7	115.6	115.5

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	134.5	134.1	133.7	133.3	132.9	132.9	132.9	132.9	132.9	132.9	132.9
115°	151.0	150.9	150.8	150.7	150.6	150.8	150.9	151.1	151.2	151.3	151.2
117.5°	167.9	167.9	167.9	167.9	167.9	168.1	168.2	168.4	168.5	168.6	168.6
120°	184.9	185.0	185.1	185.2	185.3	185.7	186.1	186.4	186.8	187.0	186.8
122.5°	202.0	202.2	202.5	202.7	202.9	203.1	203.2	203.4	203.5	203.6	203.4
125°	219.0	219.3	219.6	220.0	220.3	220.5	220.6	220.8	220.9	221.0	220.9
127.5°	235.7	236.2	236.7	237.1	237.6	237.8	237.9	238.1	238.2	238.3	238.1
130°	253.0	253.3	253.6	253.9	254.2	254.4	254.7	254.9	255.2	255.3	255.0
132.5°	269.2	269.6	270.0	270.4	270.8	271.0	271.1	271.3	271.4	271.5	271.2
135°	285.9	286.2	286.5	286.8	287.1	287.2	287.2	287.3	287.4	287.4	287.2
137.5°	301.8	302.2	302.5	302.9	303.3	303.1	302.9	302.6	302.4	302.3	302.1
140°	318.2	318.3	318.4	318.4	318.5	318.4	318.4	318.3	318.2	318.2	318.0
142.5°	333.0	333.1	333.2	333.3	333.4	333.2	333.1	332.9	332.8	332.7	332.5
145°	347.5	347.6	347.7	347.8	347.9	347.7	347.4	347.2	346.9	346.8	346.7
147.5°	361.7	361.7	361.7	361.7	361.7	361.5	361.2	361.0	360.7	360.6	360.4
150°	374.4	374.4	374.4	374.4	374.4	374.2	374.1	373.9	373.8	373.7	373.6
152.5°	386.3	386.2	386.0	385.9	385.7	385.6	385.6	385.5	385.4	385.4	385.3
155°	397.9	397.6	397.3	397.0	396.7	396.6	396.5	396.4	396.3	396.3	396.3
157.5°	407.8	407.5	407.2	406.9	406.6	406.5	406.4	406.3	406.2	406.2	406.2
160°	417.0	416.6	416.2	415.8	415.4	415.4	415.4	415.4	415.4	415.4	415.5
162.5°	425.5	425.1	424.7	424.3	423.9	423.8	423.7	423.6	423.5	423.5	423.6
165°	432.5	432.0	431.5	431.1	430.6	430.6	430.6	430.6	430.6	430.6	430.7
167.5°	438.6	438.1	437.6	437.1	436.6	436.5	436.5	436.4	436.3	436.3	436.5
170°	443.4	442.9	442.3	441.8	441.2	441.2	441.2	441.2	441.2	441.2	441.4
172.5°	447.0	446.5	446.0	445.6	445.1	445.1	445.1	445.1	445.1	445.1	445.3
175°	449.5	449.0	448.5	448.1	447.6	447.6	447.6	447.6	447.6	447.6	447.8
177.5°	450.9	450.4	449.9	449.5	449.0	449.0	449.0	449.0	449.0	449.0	449.2
180°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	782.9	782.9	782.9	782.9
2.5°	766.2	768.5	776.1	785.2
5°	751.1	757.1	767.8	782.2
7.5°	734.4	743.5	758.7	776.9
10°	715.4	728.3	747.3	770.0
12.5°	694.9	711.6	735.9	759.4
15°	682.0	698.7	720.7	746.5
17.5°	657.0	676.7	699.5	735.9
20°	631.2	653.2	682.8	719.2
22.5°	611.5	635.0	663.1	701.8
25°	588.0	612.2	642.6	682.8
27.5°	562.9	587.2	621.3	663.8
30°	544.0	567.5	600.1	645.6
32.5°	521.2	544.0	578.1	625.9
35°	495.4	521.2	553.8	602.4
37.5°	475.7	499.2	533.3	579.6
40°	454.4	474.9	508.3	553.8
42.5°	431.7	454.4	483.3	528.8
45°	410.4	427.1	456.7	500.0
47.5°	387.7	406.6	429.4	462.8
50°	363.4	379.3	404.4	427.1
52.5°	339.9	352.8	374.0	391.5
55°	314.8	327.7	343.7	354.3
57.5°	291.3	300.4	311.0	317.9
60°	262.5	271.6	278.4	285.3
62.5°	236.7	243.5	247.3	251.1
65°	210.1	213.9	216.2	219.2
67.5°	181.3	185.1	185.9	190.4
70°	154.8	155.5	157.0	159.3
72.5°	129.7	131.2	130.5	132.0
75°	103.9	105.5	103.9	105.5
77.5°	78.9	80.4	80.4	82.7
80°	56.9	57.7	58.4	58.4
82.5°	37.2	39.4	37.9	38.7
85°	21.2	22.0	22.0	22.8
87.5°	9.9	10.6	9.9	11.4
90°	2.7	2.0	1.2	0.4
92.5°	12.0	11.5	11.1	10.6
95°	22.5	22.0	21.4	20.9
97.5°	35.5	35.1	34.7	34.3
100°	49.5	49.0	48.6	48.1
102.5°	64.7	64.5	64.2	64.0
105°	80.0	79.9	79.7	79.5
107.5°	98.2	98.1	98.0	97.9
110°	115.4	115.2	115.1	114.9

TEST NUMBER: P1011794

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	132.8	132.7	132.7	132.6
115°	151.0	150.7	150.5	150.3
117.5°	168.5	168.4	168.4	168.3
120°	186.3	185.8	185.4	184.9
122.5°	203.1	202.8	202.5	202.2
125°	220.6	220.4	220.1	219.9
127.5°	237.6	237.1	236.7	236.2
130°	254.3	253.7	253.0	252.4
132.5°	270.6	269.9	269.3	268.7
135°	286.7	286.2	285.8	285.3
137.5°	301.7	301.3	300.9	300.5
140°	317.6	317.2	316.8	316.4
142.5°	332.1	331.7	331.3	330.9
145°	346.6	346.4	346.3	346.1
147.5°	360.1	359.8	359.5	359.2
150°	373.5	373.3	373.2	373.0
152.5°	385.0	384.8	384.5	384.3
155°	396.3	396.3	396.3	396.3
157.5°	406.3	406.4	406.5	406.6
160°	415.6	415.8	415.9	416.1
162.5°	423.9	424.1	424.4	424.6
165°	431.0	431.2	431.5	431.7
167.5°	436.8	437.1	437.4	437.7
170°	441.7	442.0	442.3	442.6
172.5°	445.6	445.9	446.2	446.5
175°	448.1	448.4	448.7	449.0
177.5°	449.5	449.8	450.1	450.4
180°	450.1	450.1	450.1	450.1

(END OF REPORT)