

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: P1011795

Luminaire Tested: S123DIP-B560D365UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011795
REPORT IS A COMBINATION OF REPORTS P990083 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-A4
Description: Define 3 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

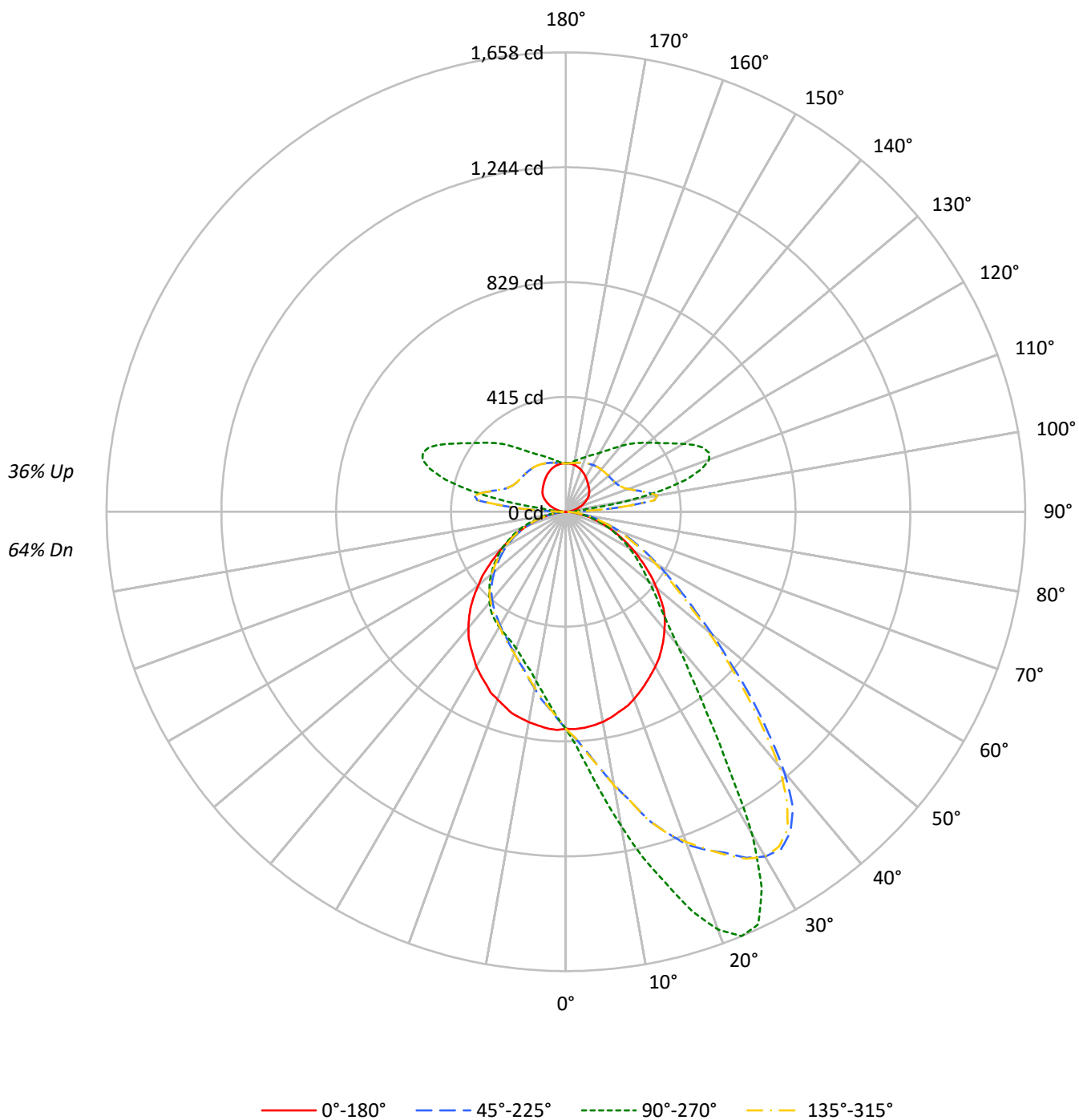
Lumens per Lamp: N/A
Luminaire Lumens: 3678.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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	91	91	91	80	80	80	69	69	69
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50
3	85	75	68	62	79	71	64	59	63	58	54	56	52	48	49	46	43
4	78	67	59	53	73	63	56	50	56	51	46	50	45	42	44	40	37
5	71	60	52	45	67	56	49	44	50	44	40	45	40	36	40	36	33
6	66	54	46	40	62	51	43	38	46	40	35	41	36	32	36	32	29
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	33	29	26
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23
9	53	40	33	28	50	38	32	27	35	29	25	31	26	23	28	24	21
10	49	37	30	25	46	35	29	24	32	26	22	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	6.7
20°-30°	416.1	11.3
30°-40°	470.3	12.8
40°-50°	421.2	11.5
50°-60°	340.0	9.2
60°-70°	236.9	6.4
70°-80°	124.3	3.4
80°-90°	30.8	0.8
90°-100°	94.8	2.6
100°-110°	277.5	7.5
110°-120°	271.0	7.4
120°-130°	215.8	5.9
130°-140°	170.3	4.6
140°-150°	127.0	3.5
150°-160°	88.6	2.4
160°-170°	52.0	1.4
170°-180°	16.9	0.5
0°-30°	740.4	20.1
0°-40°	1210.7	32.9
0°-60°	1971.9	53.6
0°-90°	2364.0	64.3
90°-120°	643.3	17.5
90°-150°	1156.5	31.4
90°-180°	1314.0	35.7
0°-180°	3678.0	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°	1	10	1	10	1	2
95°	12	41	12	41	12	13
105°	41	450	41	450	41	44
115°	72	547	72	547	72	72
125°	101	431	101	431	101	90
135°	118	350	118	350	118	91
145°	135	273	135	273	135	84
155°	153	227	153	227	153	70
165°	167	198	167	198	167	47
175°	174	178	174	178	174	17
180°	175	175	175	175	175	

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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°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.7	6.7	7.8	8.8
92.5°	5.3	7.8	11.3	14.5	18.0	21.2	24.4	35.7	54.5	72.8	65.8
95°	12.0	13.1	17.0	23.0	32.2	39.1	46.0	76.0	128.7	186.7	209.7
97.5°	19.1	19.4	22.6	27.9	37.1	44.7	52.3	82.0	143.2	240.8	322.5
100°	26.2	26.5	29.0	33.9	42.4	49.3	56.2	81.0	133.3	226.3	334.9
102.5°	33.6	34.3	36.4	41.0	48.4	54.6	60.8	82.4	124.8	205.1	311.9
105°	41.0	42.1	44.2	48.4	55.2	60.6	66.1	85.2	121.6	188.5	284.3
107.5°	48.8	49.9	52.0	56.2	62.6	67.7	72.8	89.8	120.9	176.5	259.9
110°	57.3	58.3	60.1	64.0	70.0	75.0	79.9	95.8	122.7	170.1	239.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.1	66.1	67.9	71.8	77.8	82.6	87.3	101.8	126.2	166.6	226.3
115°	72.5	73.9	76.0	79.6	85.6	90.4	95.1	108.6	130.1	166.2	217.5
117.5°	79.9	81.7	83.5	86.6	93.4	97.8	102.2	115.6	135.1	166.6	211.5
120°	87.7	88.8	90.5	94.1	100.8	105.2	109.6	122.4	140.7	168.0	207.6
122.5°	94.4	95.5	97.2	101.1	107.5	112.2	117.0	129.4	146.0	170.4	205.1
125°	100.8	101.5	103.6	107.5	114.2	119.0	123.8	136.1	151.7	172.9	203.0
127.5°	105.7	106.8	109.3	113.2	120.6	125.4	130.1	142.2	156.3	175.8	201.9
130°	110.3	111.4	114.6	118.8	126.2	131.0	135.8	147.5	160.9	178.6	200.9
132.5°	113.9	115.3	118.8	124.1	131.5	136.1	140.7	152.1	165.1	180.7	200.5
135°	118.1	119.5	123.4	128.7	136.1	140.9	145.7	156.7	168.7	182.8	200.2
137.5°	122.0	123.4	127.3	133.0	140.4	144.8	149.2	159.8	171.5	184.2	199.4
140°	125.9	127.7	131.2	136.9	143.9	148.4	152.8	163.0	173.6	185.7	199.1
142.5°	130.1	131.5	135.4	140.4	147.5	151.6	155.6	165.5	175.8	186.7	198.4
145°	134.7	135.8	139.0	144.3	150.3	154.4	158.4	167.6	177.2	187.1	197.7
147.5°	139.3	140.0	143.2	147.8	153.8	157.4	160.9	169.4	178.2	187.1	196.6
150°	143.9	144.3	147.1	151.7	156.7	159.8	163.0	171.2	178.6	187.1	195.2
152.5°	148.5	148.5	151.4	155.2	159.5	162.5	165.5	172.2	179.3	186.0	193.4
155°	153.1	153.1	155.2	158.8	162.7	165.1	167.6	173.6	179.3	185.3	191.3
157.5°	156.7	157.0	158.8	162.0	165.5	167.4	169.4	174.3	179.6	184.2	189.5
160°	160.9	160.9	162.3	165.1	167.6	169.4	171.2	175.4	179.6	183.5	187.4
162.5°	164.1	164.1	165.1	167.3	169.4	170.8	172.2	175.8	179.3	182.1	185.3
165°	167.3	166.9	167.6	169.4	170.8	172.0	173.3	176.1	178.6	180.7	183.2
167.5°	169.7	169.4	169.7	171.2	172.2	173.1	174.0	176.1	178.2	179.3	181.1
170°	171.9	171.2	171.5	172.6	173.3	173.6	174.0	175.8	177.2	177.9	178.9
172.5°	173.3	172.9	172.9	173.6	174.0	174.2	174.3	175.8	176.8	176.8	177.2
175°	174.3	174.0	173.6	174.3	174.3	174.5	174.7	175.4	176.1	175.8	175.8
177.5°	175.0	174.7	174.3	174.7	174.7	174.7	174.7	175.0	175.8	175.0	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

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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°	8.5	8.8	9.2	9.5	9.9	10.3	9.9	10.3	10.6	10.3	10.6
92.5°	49.2	35.0	27.2	23.7	22.4	21.2	20.5	19.1	19.4	18.7	19.4
95°	170.1	127.3	86.3	67.5	61.2	54.8	48.1	44.9	42.4	41.0	42.4
97.5°	333.5	292.4	220.7	174.0	153.8	133.7	110.0	96.5	88.1	84.2	88.1
100°	404.5	416.9	388.3	346.9	321.8	296.7	261.0	235.2	221.4	221.7	221.4
102.5°	408.1	458.3	464.3	444.5	430.9	417.3	391.5	372.4	361.4	351.1	361.4
105°	385.8	459.7	495.1	501.8	497.2	492.6	476.3	462.9	451.6	449.8	451.6
107.5°	354.0	438.5	494.0	521.6	526.4	531.1	529.0	522.7	518.1	514.2	518.1
110°	324.3	405.3	470.3	514.9	527.2	539.6	549.5	552.4	551.7	550.9	551.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	298.5	372.4	439.2	490.5	507.3	524.1	544.2	554.5	558.0	558.4	558.0
115°	278.7	344.1	405.6	457.6	476.8	496.1	522.7	538.2	545.3	547.1	545.3
117.5°	265.6	322.2	376.6	424.3	444.3	464.3	491.9	509.2	519.8	522.3	519.8
120°	255.7	305.5	353.3	395.7	413.6	431.4	459.4	479.2	487.6	489.8	487.6
122.5°	247.5	292.4	334.5	373.1	389.4	405.6	429.7	447.0	456.5	459.4	456.5
125°	240.8	281.1	319.7	353.6	367.8	381.9	404.5	420.1	428.9	431.4	428.9
127.5°	234.5	270.9	305.9	337.0	350.1	363.2	383.7	397.1	405.3	407.4	405.3
130°	229.5	261.3	293.2	321.8	333.8	345.8	364.6	377.3	384.7	387.6	384.7
132.5°	224.9	252.5	281.1	307.3	318.6	329.9	347.3	360.0	366.4	368.1	366.4
135°	221.0	244.7	269.8	292.8	302.9	313.0	330.3	340.9	347.3	349.7	347.3
137.5°	217.5	237.3	258.5	279.0	288.0	297.0	311.9	322.9	328.2	330.3	328.2
140°	214.3	230.9	249.0	265.9	273.5	281.1	294.6	304.5	310.1	309.8	310.1
142.5°	211.5	224.9	239.8	253.9	260.2	266.6	277.6	286.1	291.0	290.7	291.0
145°	209.0	220.3	232.0	243.3	248.4	253.5	262.4	269.8	272.6	273.4	272.6
147.5°	206.5	216.4	226.0	235.5	239.2	242.9	250.0	255.3	258.1	258.5	258.1
150°	204.0	212.2	220.3	227.7	231.1	234.5	239.8	243.6	245.8	245.8	245.8
152.5°	201.2	208.3	215.0	221.4	224.0	226.7	230.6	234.1	235.2	235.2	235.2
155°	198.4	204.4	210.1	215.4	217.5	219.6	222.8	225.6	226.3	226.7	226.3
157.5°	195.2	200.2	205.1	209.3	211.1	212.9	215.7	217.8	218.5	218.5	218.5
160°	192.0	196.6	200.5	204.0	205.2	206.5	209.0	211.1	211.1	210.8	211.1
162.5°	188.8	192.4	195.6	198.7	199.8	200.9	202.3	204.0	204.0	203.7	204.0
165°	186.0	188.8	191.0	193.4	194.3	195.2	196.6	198.0	197.7	197.7	197.7
167.5°	183.2	185.7	187.4	188.8	189.5	190.2	191.0	192.0	191.7	191.7	191.7
170°	180.7	182.5	183.5	184.9	185.3	185.7	186.0	186.7	186.4	186.4	186.4
172.5°	178.2	179.6	180.3	181.4	181.6	181.8	181.8	182.5	181.8	181.4	181.8
175°	176.5	177.2	177.5	178.2	178.2	178.2	178.2	178.6	178.2	177.9	178.2
177.5°	175.0	175.4	175.8	176.1	176.1	176.1	175.8	176.1	175.4	175.4	175.4
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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	9.9	10.3	9.9	9.5	9.2	8.8	8.5	8.8	7.8	6.7
92.5°	19.1	20.5	21.2	22.4	23.7	27.2	35.0	49.2	65.8	72.8	54.5
95°	44.9	48.1	54.8	61.2	67.5	86.3	127.3	170.1	209.7	186.7	128.7
97.5°	96.5	110.0	133.7	153.8	174.0	220.7	292.4	333.5	322.5	240.8	143.2
100°	235.2	261.0	296.7	321.8	346.9	388.3	416.9	404.5	334.9	226.3	133.3
102.5°	372.4	391.5	417.3	430.9	444.5	464.3	458.3	408.1	311.9	205.1	124.8
105°	462.9	476.3	492.6	497.2	501.8	495.1	459.7	385.8	284.3	188.5	121.6
107.5°	522.7	529.0	531.1	526.4	521.6	494.0	438.5	354.0	259.9	176.5	120.9
110°	552.4	549.5	539.6	527.2	514.9	470.3	405.3	324.3	239.8	170.1	122.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	554.5	544.2	524.1	507.3	490.5	439.2	372.4	298.5	226.3	166.6	126.2
115°	538.2	522.7	496.1	476.8	457.6	405.6	344.1	278.7	217.5	166.2	130.1
117.5°	509.2	491.9	464.3	444.3	424.3	376.6	322.2	265.6	211.5	166.6	135.1
120°	479.2	459.4	431.4	413.6	395.7	353.3	305.5	255.7	207.6	168.0	140.7
122.5°	447.0	429.7	405.6	389.4	373.1	334.5	292.4	247.5	205.1	170.4	146.0
125°	420.1	404.5	381.9	367.8	353.6	319.7	281.1	240.8	203.0	172.9	151.7
127.5°	397.1	383.7	363.2	350.1	337.0	305.9	270.9	234.5	201.9	175.8	156.3
130°	377.3	364.6	345.8	333.8	321.8	293.2	261.3	229.5	200.9	178.6	160.9
132.5°	360.0	347.3	329.9	318.6	307.3	281.1	252.5	224.9	200.5	180.7	165.1
135°	340.9	330.3	313.0	302.9	292.8	269.8	244.7	221.0	200.2	182.8	168.7
137.5°	322.9	311.9	297.0	288.0	279.0	258.5	237.3	217.5	199.4	184.2	171.5
140°	304.5	294.6	281.1	273.5	265.9	249.0	230.9	214.3	199.1	185.7	173.6
142.5°	286.1	277.6	266.6	260.2	253.9	239.8	224.9	211.5	198.4	186.7	175.8
145°	269.8	262.4	253.5	248.4	243.3	232.0	220.3	209.0	197.7	187.1	177.2
147.5°	255.3	250.0	242.9	239.2	235.5	226.0	216.4	206.5	196.6	187.1	178.2
150°	243.6	239.8	234.5	231.1	227.7	220.3	212.2	204.0	195.2	187.1	178.6
152.5°	234.1	230.6	226.7	224.0	221.4	215.0	208.3	201.2	193.4	186.0	179.3
155°	225.6	222.8	219.6	217.5	215.4	210.1	204.4	198.4	191.3	185.3	179.3
157.5°	217.8	215.7	212.9	211.1	209.3	205.1	200.2	195.2	189.5	184.2	179.6
160°	211.1	209.0	206.5	205.2	204.0	200.5	196.6	192.0	187.4	183.5	179.6
162.5°	204.0	202.3	200.9	199.8	198.7	195.6	192.4	188.8	185.3	182.1	179.3
165°	198.0	196.6	195.2	194.3	193.4	191.0	188.8	186.0	183.2	180.7	178.6
167.5°	192.0	191.0	190.2	189.5	188.8	187.4	185.7	183.2	181.1	179.3	178.2
170°	186.7	186.0	185.7	185.3	184.9	183.5	182.5	180.7	178.9	177.9	177.2
172.5°	182.5	181.8	181.8	181.6	181.4	180.3	179.6	178.2	177.2	176.8	176.8
175°	178.6	178.2	178.2	178.2	178.2	177.5	177.2	176.5	175.8	175.8	176.1
177.5°	176.1	175.8	176.1	176.1	176.1	175.8	175.4	175.0	174.7	175.0	175.8
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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°	5.7	4.6	4.2	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	35.7	24.4	21.2	18.0	14.5	11.3	7.8	5.3	7.8	11.3	14.5
95°	76.0	46.0	39.1	32.2	23.0	17.0	13.1	12.0	13.1	17.0	23.0
97.5°	82.0	52.3	44.7	37.1	27.9	22.6	19.4	19.1	19.4	22.6	27.9
100°	81.0	56.2	49.3	42.4	33.9	29.0	26.5	26.2	26.5	29.0	33.9
102.5°	82.4	60.8	54.6	48.4	41.0	36.4	34.3	33.6	34.3	36.4	41.0
105°	85.2	66.1	60.6	55.2	48.4	44.2	42.1	41.0	42.1	44.2	48.4
107.5°	89.8	72.8	67.7	62.6	56.2	52.0	49.9	48.8	49.9	52.0	56.2
110°	95.8	79.9	75.0	70.0	64.0	60.1	58.3	57.3	58.3	60.1	64.0

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	101.8	87.3	82.6	77.8	71.8	67.9	66.1	65.1	66.1	67.9	71.8
115°	108.6	95.1	90.4	85.6	79.6	76.0	73.9	72.5	73.9	76.0	79.6
117.5°	115.6	102.2	97.8	93.4	86.6	83.5	81.7	79.9	81.7	83.5	86.6
120°	122.4	109.6	105.2	100.8	94.1	90.5	88.8	87.7	88.8	90.5	94.1
122.5°	129.4	117.0	112.2	107.5	101.1	97.2	95.5	94.4	95.5	97.2	101.1
125°	136.1	123.8	119.0	114.2	107.5	103.6	101.5	100.8	101.5	103.6	107.5
127.5°	142.2	130.1	125.4	120.6	113.2	109.3	106.8	105.7	106.8	109.3	113.2
130°	147.5	135.8	131.0	126.2	118.8	114.6	111.4	110.3	111.4	114.6	118.8
132.5°	152.1	140.7	136.1	131.5	124.1	118.8	115.3	113.9	115.3	118.8	124.1
135°	156.7	145.7	140.9	136.1	128.7	123.4	119.5	118.1	119.5	123.4	128.7
137.5°	159.8	149.2	144.8	140.4	133.0	127.3	123.4	122.0	123.4	127.3	133.0
140°	163.0	152.8	148.4	143.9	136.9	131.2	127.7	125.9	127.7	131.2	136.9
142.5°	165.5	155.6	151.6	147.5	140.4	135.4	131.5	130.1	131.5	135.4	140.4
145°	167.6	158.4	154.4	150.3	144.3	139.0	135.8	134.7	135.8	139.0	144.3
147.5°	169.4	160.9	157.4	153.8	147.8	143.2	140.0	139.3	140.0	143.2	147.8
150°	171.2	163.0	159.8	156.7	151.7	147.1	144.3	143.9	144.3	147.1	151.7
152.5°	172.2	165.5	162.5	159.5	155.2	151.4	148.5	148.5	148.5	151.4	155.2
155°	173.6	167.6	165.1	162.7	158.8	155.2	153.1	153.1	153.1	155.2	158.8
157.5°	174.3	169.4	167.4	165.5	162.0	158.8	157.0	156.7	157.0	158.8	162.0
160°	175.4	171.2	169.4	167.6	165.1	162.3	160.9	160.9	160.9	162.3	165.1
162.5°	175.8	172.2	170.8	169.4	167.3	165.1	164.1	164.1	164.1	165.1	167.3
165°	176.1	173.3	172.0	170.8	169.4	167.6	166.9	167.3	166.9	167.6	169.4
167.5°	176.1	174.0	173.1	172.2	171.2	169.7	169.4	169.7	169.4	169.7	171.2
170°	175.8	174.0	173.6	173.3	172.6	171.5	171.2	171.9	171.2	171.5	172.6
172.5°	175.8	174.3	174.2	174.0	173.6	172.9	172.9	173.3	172.9	172.9	173.6
175°	175.4	174.7	174.5	174.3	174.3	173.6	174.0	174.3	174.0	173.6	174.3
177.5°	175.0	174.7	174.7	174.7	174.7	174.3	174.7	175.0	174.7	174.3	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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°	3.9	4.2	4.6	5.7	6.7	7.8	8.8	8.5	8.8	9.2	9.5
92.5°	18.0	21.2	24.4	35.7	54.5	72.8	65.8	49.2	35.0	27.2	23.7
95°	32.2	39.1	46.0	76.0	128.7	186.7	209.7	170.1	127.3	86.3	67.5
97.5°	37.1	44.7	52.3	82.0	143.2	240.8	322.5	333.5	292.4	220.7	174.0
100°	42.4	49.3	56.2	81.0	133.3	226.3	334.9	404.5	416.9	388.3	346.9
102.5°	48.4	54.6	60.8	82.4	124.8	205.1	311.9	408.1	458.3	464.3	444.5
105°	55.2	60.6	66.1	85.2	121.6	188.5	284.3	385.8	459.7	495.1	501.8
107.5°	62.6	67.7	72.8	89.8	120.9	176.5	259.9	354.0	438.5	494.0	521.6
110°	70.0	75.0	79.9	95.8	122.7	170.1	239.8	324.3	405.3	470.3	514.9

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	77.8	82.6	87.3	101.8	126.2	166.6	226.3	298.5	372.4	439.2	490.5
115°	85.6	90.4	95.1	108.6	130.1	166.2	217.5	278.7	344.1	405.6	457.6
117.5°	93.4	97.8	102.2	115.6	135.1	166.6	211.5	265.6	322.2	376.6	424.3
120°	100.8	105.2	109.6	122.4	140.7	168.0	207.6	255.7	305.5	353.3	395.7
122.5°	107.5	112.2	117.0	129.4	146.0	170.4	205.1	247.5	292.4	334.5	373.1
125°	114.2	119.0	123.8	136.1	151.7	172.9	203.0	240.8	281.1	319.7	353.6
127.5°	120.6	125.4	130.1	142.2	156.3	175.8	201.9	234.5	270.9	305.9	337.0
130°	126.2	131.0	135.8	147.5	160.9	178.6	200.9	229.5	261.3	293.2	321.8
132.5°	131.5	136.1	140.7	152.1	165.1	180.7	200.5	224.9	252.5	281.1	307.3
135°	136.1	140.9	145.7	156.7	168.7	182.8	200.2	221.0	244.7	269.8	292.8
137.5°	140.4	144.8	149.2	159.8	171.5	184.2	199.4	217.5	237.3	258.5	279.0
140°	143.9	148.4	152.8	163.0	173.6	185.7	199.1	214.3	230.9	249.0	265.9
142.5°	147.5	151.6	155.6	165.5	175.8	186.7	198.4	211.5	224.9	239.8	253.9
145°	150.3	154.4	158.4	167.6	177.2	187.1	197.7	209.0	220.3	232.0	243.3
147.5°	153.8	157.4	160.9	169.4	178.2	187.1	196.6	206.5	216.4	226.0	235.5
150°	156.7	159.8	163.0	171.2	178.6	187.1	195.2	204.0	212.2	220.3	227.7
152.5°	159.5	162.5	165.5	172.2	179.3	186.0	193.4	201.2	208.3	215.0	221.4
155°	162.7	165.1	167.6	173.6	179.3	185.3	191.3	198.4	204.4	210.1	215.4
157.5°	165.5	167.4	169.4	174.3	179.6	184.2	189.5	195.2	200.2	205.1	209.3
160°	167.6	169.4	171.2	175.4	179.6	183.5	187.4	192.0	196.6	200.5	204.0
162.5°	169.4	170.8	172.2	175.8	179.3	182.1	185.3	188.8	192.4	195.6	198.7
165°	170.8	172.0	173.3	176.1	178.6	180.7	183.2	186.0	188.8	191.0	193.4
167.5°	172.2	173.1	174.0	176.1	178.2	179.3	181.1	183.2	185.7	187.4	188.8
170°	173.3	173.6	174.0	175.8	177.2	177.9	178.9	180.7	182.5	183.5	184.9
172.5°	174.0	174.2	174.3	175.8	176.8	176.8	177.2	178.2	179.6	180.3	181.4
175°	174.3	174.5	174.7	175.4	176.1	175.8	175.8	176.5	177.2	177.5	178.2
177.5°	174.7	174.7	174.7	175.0	175.8	175.0	174.7	175.0	175.4	175.8	176.1
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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	10.3	9.9	10.3	10.6	10.3	10.6	10.3	9.9	10.3	9.9
92.5°	22.4	21.2	20.5	19.1	19.4	18.7	19.4	19.1	20.5	21.2	22.4
95°	61.2	54.8	48.1	44.9	42.4	41.0	42.4	44.9	48.1	54.8	61.2
97.5°	153.8	133.7	110.0	96.5	88.1	84.2	88.1	96.5	110.0	133.7	153.8
100°	321.8	296.7	261.0	235.2	221.4	221.7	221.4	235.2	261.0	296.7	321.8
102.5°	430.9	417.3	391.5	372.4	361.4	351.1	361.4	372.4	391.5	417.3	430.9
105°	497.2	492.6	476.3	462.9	451.6	449.8	451.6	462.9	476.3	492.6	497.2
107.5°	526.4	531.1	529.0	522.7	518.1	514.2	518.1	522.7	529.0	531.1	526.4
110°	527.2	539.6	549.5	552.4	551.7	550.9	551.7	552.4	549.5	539.6	527.2

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	507.3	524.1	544.2	554.5	558.0	558.4	558.0	554.5	544.2	524.1	507.3
115°	476.8	496.1	522.7	538.2	545.3	547.1	545.3	538.2	522.7	496.1	476.8
117.5°	444.3	464.3	491.9	509.2	519.8	522.3	519.8	509.2	491.9	464.3	444.3
120°	413.6	431.4	459.4	479.2	487.6	489.8	487.6	479.2	459.4	431.4	413.6
122.5°	389.4	405.6	429.7	447.0	456.5	459.4	456.5	447.0	429.7	405.6	389.4
125°	367.8	381.9	404.5	420.1	428.9	431.4	428.9	420.1	404.5	381.9	367.8
127.5°	350.1	363.2	383.7	397.1	405.3	407.4	405.3	397.1	383.7	363.2	350.1
130°	333.8	345.8	364.6	377.3	384.7	387.6	384.7	377.3	364.6	345.8	333.8
132.5°	318.6	329.9	347.3	360.0	366.4	368.1	366.4	360.0	347.3	329.9	318.6
135°	302.9	313.0	330.3	340.9	347.3	349.7	347.3	340.9	330.3	313.0	302.9
137.5°	288.0	297.0	311.9	322.9	328.2	330.3	328.2	322.9	311.9	297.0	288.0
140°	273.5	281.1	294.6	304.5	310.1	309.8	310.1	304.5	294.6	281.1	273.5
142.5°	260.2	266.6	277.6	286.1	291.0	290.7	291.0	286.1	277.6	266.6	260.2
145°	248.4	253.5	262.4	269.8	272.6	273.4	272.6	269.8	262.4	253.5	248.4
147.5°	239.2	242.9	250.0	255.3	258.1	258.5	258.1	255.3	250.0	242.9	239.2
150°	231.1	234.5	239.8	243.6	245.8	245.8	245.8	243.6	239.8	234.5	231.1
152.5°	224.0	226.7	230.6	234.1	235.2	235.2	235.2	234.1	230.6	226.7	224.0
155°	217.5	219.6	222.8	225.6	226.3	226.7	226.3	225.6	222.8	219.6	217.5
157.5°	211.1	212.9	215.7	217.8	218.5	218.5	218.5	217.8	215.7	212.9	211.1
160°	205.2	206.5	209.0	211.1	211.1	210.8	211.1	211.1	209.0	206.5	205.2
162.5°	199.8	200.9	202.3	204.0	204.0	203.7	204.0	204.0	202.3	200.9	199.8
165°	194.3	195.2	196.6	198.0	197.7	197.7	197.7	198.0	196.6	195.2	194.3
167.5°	189.5	190.2	191.0	192.0	191.7	191.7	191.7	192.0	191.0	190.2	189.5
170°	185.3	185.7	186.0	186.7	186.4	186.4	186.4	186.7	186.0	185.7	185.3
172.5°	181.6	181.8	181.8	182.5	181.8	181.4	181.8	182.5	181.8	181.8	181.6
175°	178.2	178.2	178.2	178.6	178.2	177.9	178.2	178.6	178.2	178.2	178.2
177.5°	176.1	176.1	175.8	176.1	175.4	175.4	175.4	176.1	175.8	176.1	176.1
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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°	9.5	9.2	8.8	8.5	8.8	7.8	6.7	5.7	4.6	4.2	3.9
92.5°	23.7	27.2	35.0	49.2	65.8	72.8	54.5	35.7	24.4	21.2	18.0
95°	67.5	86.3	127.3	170.1	209.7	186.7	128.7	76.0	46.0	39.1	32.2
97.5°	174.0	220.7	292.4	333.5	322.5	240.8	143.2	82.0	52.3	44.7	37.1
100°	346.9	388.3	416.9	404.5	334.9	226.3	133.3	81.0	56.2	49.3	42.4
102.5°	444.5	464.3	458.3	408.1	311.9	205.1	124.8	82.4	60.8	54.6	48.4
105°	501.8	495.1	459.7	385.8	284.3	188.5	121.6	85.2	66.1	60.6	55.2
107.5°	521.6	494.0	438.5	354.0	259.9	176.5	120.9	89.8	72.8	67.7	62.6
110°	514.9	470.3	405.3	324.3	239.8	170.1	122.7	95.8	79.9	75.0	70.0

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	490.5	439.2	372.4	298.5	226.3	166.6	126.2	101.8	87.3	82.6	77.8
115°	457.6	405.6	344.1	278.7	217.5	166.2	130.1	108.6	95.1	90.4	85.6
117.5°	424.3	376.6	322.2	265.6	211.5	166.6	135.1	115.6	102.2	97.8	93.4
120°	395.7	353.3	305.5	255.7	207.6	168.0	140.7	122.4	109.6	105.2	100.8
122.5°	373.1	334.5	292.4	247.5	205.1	170.4	146.0	129.4	117.0	112.2	107.5
125°	353.6	319.7	281.1	240.8	203.0	172.9	151.7	136.1	123.8	119.0	114.2
127.5°	337.0	305.9	270.9	234.5	201.9	175.8	156.3	142.2	130.1	125.4	120.6
130°	321.8	293.2	261.3	229.5	200.9	178.6	160.9	147.5	135.8	131.0	126.2
132.5°	307.3	281.1	252.5	224.9	200.5	180.7	165.1	152.1	140.7	136.1	131.5
135°	292.8	269.8	244.7	221.0	200.2	182.8	168.7	156.7	145.7	140.9	136.1
137.5°	279.0	258.5	237.3	217.5	199.4	184.2	171.5	159.8	149.2	144.8	140.4
140°	265.9	249.0	230.9	214.3	199.1	185.7	173.6	163.0	152.8	148.4	143.9
142.5°	253.9	239.8	224.9	211.5	198.4	186.7	175.8	165.5	155.6	151.6	147.5
145°	243.3	232.0	220.3	209.0	197.7	187.1	177.2	167.6	158.4	154.4	150.3
147.5°	235.5	226.0	216.4	206.5	196.6	187.1	178.2	169.4	160.9	157.4	153.8
150°	227.7	220.3	212.2	204.0	195.2	187.1	178.6	171.2	163.0	159.8	156.7
152.5°	221.4	215.0	208.3	201.2	193.4	186.0	179.3	172.2	165.5	162.5	159.5
155°	215.4	210.1	204.4	198.4	191.3	185.3	179.3	173.6	167.6	165.1	162.7
157.5°	209.3	205.1	200.2	195.2	189.5	184.2	179.6	174.3	169.4	167.4	165.5
160°	204.0	200.5	196.6	192.0	187.4	183.5	179.6	175.4	171.2	169.4	167.6
162.5°	198.7	195.6	192.4	188.8	185.3	182.1	179.3	175.8	172.2	170.8	169.4
165°	193.4	191.0	188.8	186.0	183.2	180.7	178.6	176.1	173.3	172.0	170.8
167.5°	188.8	187.4	185.7	183.2	181.1	179.3	178.2	176.1	174.0	173.1	172.2
170°	184.9	183.5	182.5	180.7	178.9	177.9	177.2	175.8	174.0	173.6	173.3
172.5°	181.4	180.3	179.6	178.2	177.2	176.8	176.8	175.8	174.3	174.2	174.0
175°	178.2	177.5	177.2	176.5	175.8	175.8	176.1	175.4	174.7	174.5	174.3
177.5°	176.1	175.8	175.4	175.0	174.7	175.0	175.8	175.0	174.7	174.7	174.7
180°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

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°	3.2	2.1	1.4	0.7
92.5°	14.5	11.3	7.8	5.3
95°	23.0	17.0	13.1	12.0
97.5°	27.9	22.6	19.4	19.1
100°	33.9	29.0	26.5	26.2
102.5°	41.0	36.4	34.3	33.6
105°	48.4	44.2	42.1	41.0
107.5°	56.2	52.0	49.9	48.8
110°	64.0	60.1	58.3	57.3

TEST NUMBER: P1011795

CATALOG NUMBER: S123DIP-B560D365UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	71.8	67.9	66.1	65.1
115°	79.6	76.0	73.9	72.5
117.5°	86.6	83.5	81.7	79.9
120°	94.1	90.5	88.8	87.7
122.5°	101.1	97.2	95.5	94.4
125°	107.5	103.6	101.5	100.8
127.5°	113.2	109.3	106.8	105.7
130°	118.8	114.6	111.4	110.3
132.5°	124.1	118.8	115.3	113.9
135°	128.7	123.4	119.5	118.1
137.5°	133.0	127.3	123.4	122.0
140°	136.9	131.2	127.7	125.9
142.5°	140.4	135.4	131.5	130.1
145°	144.3	139.0	135.8	134.7
147.5°	147.8	143.2	140.0	139.3
150°	151.7	147.1	144.3	143.9
152.5°	155.2	151.4	148.5	148.5
155°	158.8	155.2	153.1	153.1
157.5°	162.0	158.8	157.0	156.7
160°	165.1	162.3	160.9	160.9
162.5°	167.3	165.1	164.1	164.1
165°	169.4	167.6	166.9	167.3
167.5°	171.2	169.7	169.4	169.7
170°	172.6	171.5	171.2	171.9
172.5°	173.6	172.9	172.9	173.3
175°	174.3	173.6	174.0	174.3
177.5°	174.7	174.3	174.7	175.0
180°	174.7	174.7	174.7	174.7

(END OF REPORT)