

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: P1031924

Luminaire Tested: S123DIW-B775D460UB27-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031924
REPORT IS A COMBINATION OF REPORTS P992037 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B775D460UB27-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

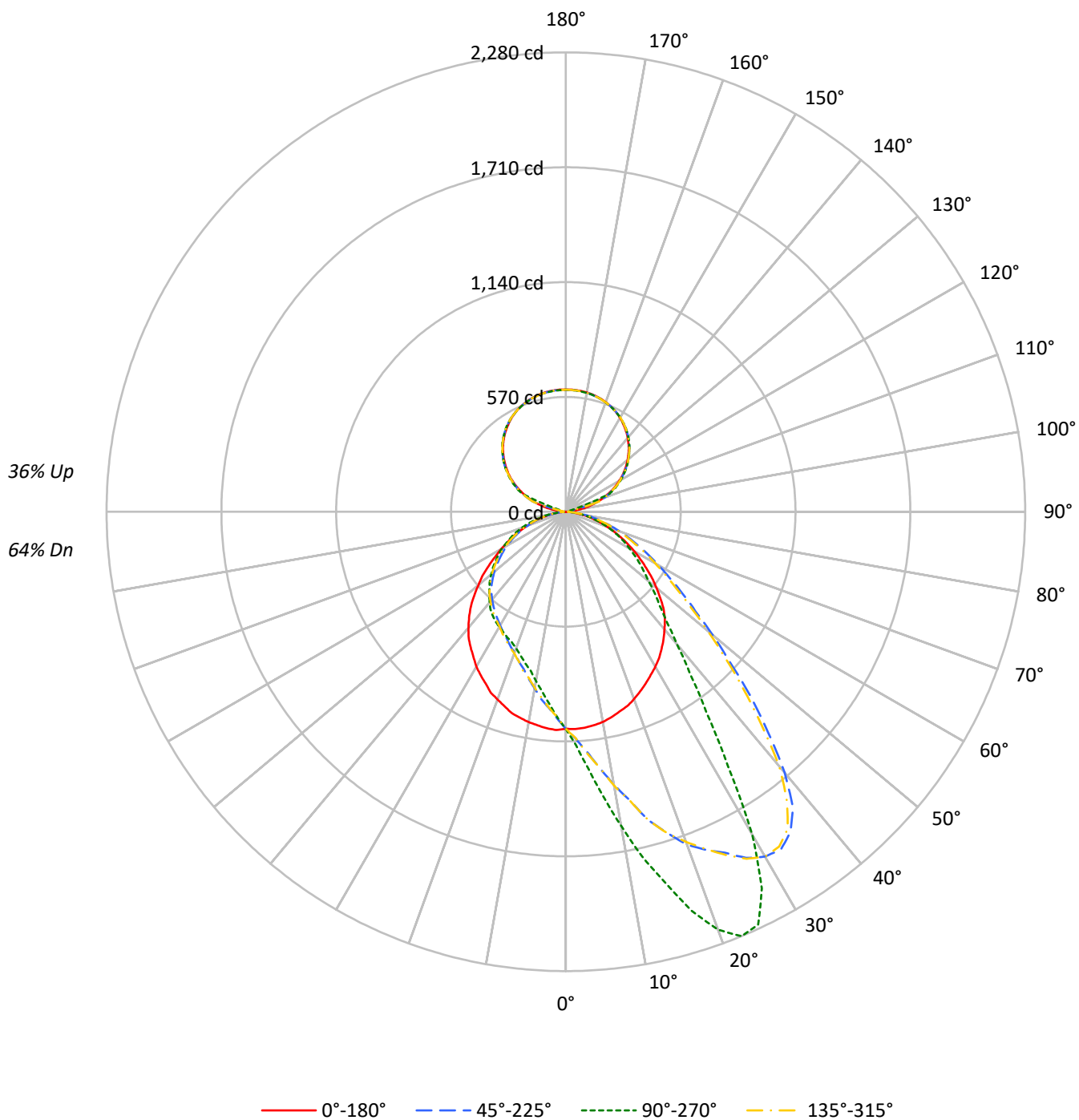
Lumens per Lamp: N/A
Luminaire Lumens: 5099.0 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.1
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64		
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	61	60	59	54		
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46		
3	85	75	68	62	79	71	64	59	63	58	53	55	51	48	48	46	43	39		
4	78	67	59	53	73	63	56	50	56	50	46	50	45	41	44	40	37	34		
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	39	36	33	30		
6	66	54	45	40	62	51	43	38	45	39	35	40	36	32	36	32	29	26		
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23		
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21		
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19		
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11591	11591	11591	11591
5°	11599	13354	11632	9967
10°	11525	16161	11536	8704
15°	11365	19167	11458	7834
20°	11229	22066	11253	7209
25°	11025	22623	11050	6883
30°	10880	18690	10880	6669
35°	10699	12500	10632	6480
40°	10483	9023	10354	6191
45°	10212	7148	9918	5831
50°	9552	6070	9214	5478
55°	8830	5334	8471	5084
60°	8095	4644	7666	4671
65°	7288	3977	6935	4120
70°	6452	3302	6022	3473
75°	5516	2489	5158	2681
80°	4359	1661	4023	1762
85°	3007	762	2401	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.1
10°-20°	340.1	6.7
20°-30°	572.3	11.2
30°-40°	646.8	12.7
40°-50°	579.3	11.4
50°-60°	467.6	9.2
60°-70°	325.9	6.4
70°-80°	171.0	3.4
80°-90°	42.2	0.8
90°-100°	21.4	0.4
100°-110°	103.3	2.0
110°-120°	253.2	5.0
120°-130°	321.5	6.3
130°-140°	343.4	6.7
140°-150°	321.1	6.3
150°-160°	259.0	5.1
160°-170°	167.2	3.3
170°-180°	57.6	1.1
0°-30°	1018.4	20.0
0°-40°	1665.2	32.7
0°-60°	2712.1	53.2
0°-90°	3251.2	63.8
90°-120°	378.0	7.4
90°-150°	1364.0	26.8
90°-180°	1848.0	36.2
0°-180°	5099.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1077	1077	1077	1077	1077	
5°	1076	1279	1079	955	1076	102
15°	1027	1904	1035	778	1027	290
25°	939	2260	941	688	939	433
35°	828	1218	823	631	828	518
45°	688	657	668	536	688	526
55°	487	447	468	426	487	436
65°	302	290	287	300	302	300
75°	145	149	136	161	145	156
85°	31	34	25	31	31	36
90°	0	14	0	14	0	4
95°	28	17	28	17	28	33
105°	134	20	134	20	134	142
115°	252	265	252	265	252	249
125°	355	362	355	362	355	317
135°	442	446	442	446	442	340
145°	510	515	510	515	510	319
155°	562	561	562	561	562	259
165°	592	591	592	591	592	167
175°	606	604	606	604	606	58
180°	606	606	606	606	606	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1079.9	1088.3	1092.5	1098.7	1105.0	1114.4	1117.5	1122.7	1120.6	1124.8	1126.9
5°	1075.8	1090.4	1102.9	1118.6	1133.2	1143.6	1154.0	1170.7	1183.2	1185.3	1194.7
7.5°	1068.5	1089.3	1111.2	1133.2	1161.3	1178.0	1196.8	1219.8	1238.5	1268.8	1280.3
10°	1059.1	1088.3	1119.6	1149.9	1188.5	1214.5	1237.5	1276.1	1314.7	1346.0	1375.2
12.5°	1044.5	1081.0	1121.7	1166.5	1216.6	1246.9	1278.2	1329.3	1387.8	1435.8	1467.1
15°	1026.7	1072.6	1124.8	1172.8	1228.1	1284.5	1317.8	1375.2	1458.7	1503.6	1583.9
17.5°	1012.1	1059.1	1111.2	1186.4	1261.5	1317.8	1341.8	1447.2	1504.6	1579.7	1670.5
20°	989.2	1048.6	1115.4	1190.5	1287.6	1322.0	1371.1	1477.5	1548.4	1646.5	1758.2
22.5°	965.2	1028.8	1109.2	1187.4	1295.9	1332.5	1399.2	1483.8	1596.4	1693.5	1816.6
25°	939.1	1007.9	1089.3	1182.2	1288.6	1341.8	1404.5	1508.8	1630.9	1753.0	1866.7
27.5°	913.0	988.1	1072.6	1165.5	1268.8	1331.4	1394.0	1502.5	1659.0	1791.6	1936.6
30°	888.0	963.1	1047.6	1142.6	1251.1	1311.6	1371.1	1506.7	1681.0	1830.2	1976.2
32.5°	860.8	938.0	1026.7	1106.0	1215.6	1280.3	1347.1	1506.7	1694.5	1853.1	1986.7
35°	828.5	907.8	983.9	1063.3	1171.8	1243.8	1318.9	1496.3	1707.0	1860.4	1942.9
37.5°	797.2	867.1	932.8	1010.0	1123.8	1201.0	1287.6	1483.8	1700.8	1829.1	1852.1
40°	761.7	831.6	884.8	956.8	1076.8	1166.5	1254.2	1467.1	1673.7	1755.0	1688.3
42.5°	727.3	782.6	828.5	898.4	1028.8	1116.5	1211.4	1436.8	1620.4	1637.1	1486.9
45°	687.6	727.3	768.0	847.3	976.6	1066.4	1171.8	1393.0	1534.9	1486.9	1297.0
47.5°	636.5	672.0	716.8	789.9	921.3	1014.2	1114.4	1336.6	1410.7	1310.5	1102.9
50°	587.4	617.7	659.4	730.4	862.9	953.7	1060.1	1247.9	1284.5	1126.9	950.6
52.5°	538.4	561.4	602.1	673.0	805.5	893.2	990.2	1157.2	1136.3	967.3	810.7
55°	487.3	507.1	545.7	615.6	738.7	822.2	915.1	1045.5	991.3	830.6	705.4
57.5°	437.2	458.1	497.7	556.1	672.0	753.4	827.4	929.7	848.3	720.0	609.4
60°	392.3	410.1	440.3	497.7	603.1	668.8	736.7	806.6	738.7	614.6	530.1
62.5°	345.4	362.1	390.2	442.4	533.2	591.6	645.9	703.3	628.1	537.4	462.2
65°	301.5	315.1	341.2	389.2	463.3	511.3	555.1	594.8	534.2	450.8	394.4
67.5°	261.9	273.4	295.3	338.1	400.7	435.1	470.6	504.0	452.8	386.1	338.1
70°	219.1	228.5	248.3	279.6	329.7	365.2	391.3	416.3	370.4	317.2	284.9
72.5°	181.6	190.9	203.5	235.8	270.2	292.2	320.3	333.9	307.8	264.0	231.6
75°	145.0	152.3	163.8	184.7	217.0	231.6	249.4	259.8	235.8	206.6	186.8
77.5°	113.7	116.9	125.2	139.8	161.7	178.4	192.0	198.3	181.6	162.8	146.1
80°	80.3	84.5	90.8	103.3	120.0	125.2	133.6	140.9	130.4	113.7	103.3
82.5°	53.2	58.4	61.6	66.8	77.2	83.5	85.6	91.8	82.4	76.2	72.0
85°	31.3	33.4	34.4	37.6	42.8	45.9	49.0	50.1	48.0	47.0	42.8
87.5°	15.7	15.7	15.7	17.7	18.8	20.9	21.9	21.9	21.9	20.9	19.8
90°	0.5	1.5	2.5	3.5	4.5	5.0	5.6	6.9	8.2	9.5	10.8
92.5°	10.4	9.8	9.2	8.6	8.0	7.7	8.1	9.0	9.9	10.8	11.7
95°	27.5	23.4	19.3	15.2	11.1	9.0	9.6	10.7	11.8	12.9	14.0
97.5°	50.0	47.2	44.4	41.6	38.8	37.4	34.8	29.7	24.6	19.5	14.4
100°	76.1	78.1	80.1	82.1	84.1	85.1	77.3	61.7	46.1	30.5	14.9
102.5°	105.8	107.1	108.4	109.7	111.0	111.7	103.0	85.6	68.1	50.7	33.3
105°	134.2	135.3	136.4	137.5	138.6	139.1	134.6	125.6	116.6	107.6	98.6
107.5°	164.4	165.3	166.2	167.1	168.0	168.4	169.2	170.7	172.2	173.7	175.2
110°	194.5	195.3	196.1	196.9	197.7	198.1	198.7	199.8	200.9	202.0	203.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	223.4	224.1	224.8	225.5	226.2	226.5	227.1	228.2	229.3	230.4	231.5
115°	251.7	252.3	252.9	253.5	254.1	254.4	254.9	255.8	256.7	257.6	258.5
117.5°	279.6	280.3	281.0	281.7	282.4	282.8	283.0	283.5	284.0	284.5	285.0
120°	305.3	306.2	307.1	308.0	308.9	309.4	309.5	309.8	310.1	310.4	310.7
122.5°	331.4	332.1	332.8	333.5	334.2	334.6	334.8	335.2	335.6	336.0	336.4
125°	354.8	355.6	356.4	357.2	358.0	358.4	358.6	359.0	359.4	359.8	360.2
127.5°	378.3	379.1	379.9	380.7	381.5	381.9	382.1	382.6	383.1	383.6	384.1
130°	399.9	400.7	401.5	402.3	403.1	403.5	403.7	404.1	404.5	404.9	405.3
132.5°	420.6	421.4	422.2	423.0	423.8	424.2	424.3	424.6	424.9	425.2	425.5
135°	441.8	442.4	443.0	443.6	444.2	444.5	444.7	445.1	445.5	445.9	446.3
137.5°	459.8	460.6	461.4	462.2	463.0	463.4	463.5	463.7	463.9	464.1	464.3
140°	477.8	478.4	479.0	479.6	480.2	480.5	480.6	480.9	481.2	481.5	481.8
142.5°	494.4	495.0	495.6	496.2	496.8	497.1	497.3	497.6	497.9	498.2	498.5
145°	509.7	510.4	511.1	511.8	512.5	512.9	513.0	513.2	513.4	513.6	513.8
147.5°	524.6	525.1	525.6	526.1	526.6	526.9	527.0	527.2	527.4	527.6	527.8
150°	538.1	538.4	538.7	539.0	539.3	539.5	539.6	539.8	540.0	540.2	540.4
152.5°	550.3	550.4	550.5	550.6	550.7	550.7	550.8	550.9	551.0	551.1	551.2
155°	561.5	561.3	561.1	560.9	560.7	560.6	560.7	560.8	560.9	561.0	561.1
157.5°	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.4	570.3	570.2	570.1
160°	578.6	578.5	578.4	578.3	578.2	578.2	578.1	578.0	577.9	577.8	577.7
162.5°	586.3	586.0	585.7	585.4	585.1	584.9	584.9	584.8	584.7	584.6	584.5
165°	592.2	591.9	591.6	591.3	591.0	590.8	590.8	590.7	590.6	590.5	590.4
167.5°	597.1	596.7	596.3	595.9	595.5	595.3	595.3	595.3	595.3	595.3	595.3
170°	601.2	600.8	600.4	600.0	599.6	599.4	599.4	599.4	599.4	599.4	599.4
172.5°	603.9	603.4	602.9	602.4	601.9	601.6	601.7	601.8	601.9	602.0	602.1
175°	606.1	605.6	605.1	604.6	604.1	603.9	603.9	604.0	604.1	604.2	604.3
177.5°	607.0	606.5	606.0	605.5	605.0	604.8	604.8	604.9	605.0	605.1	605.2
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1134.2	1136.3	1143.6	1148.8	1159.2	1158.2	1158.2	1157.2	1154.0	1159.2	1162.4
5°	1213.5	1231.2	1233.3	1256.3	1257.3	1266.7	1273.0	1267.8	1280.3	1279.2	1269.8
7.5°	1311.6	1335.6	1347.1	1369.0	1394.0	1387.8	1411.8	1415.9	1413.8	1424.3	1431.6
10°	1419.1	1460.8	1490.0	1530.7	1541.1	1547.4	1563.1	1576.6	1603.7	1582.9	1596.4
12.5°	1542.2	1572.4	1611.0	1675.7	1708.1	1729.0	1736.3	1745.7	1764.4	1753.0	1754.0
15°	1645.5	1686.2	1751.9	1832.3	1841.6	1867.7	1861.5	1917.8	1944.9	1904.3	1927.2
17.5°	1753.0	1807.2	1885.5	1955.4	1995.0	2012.8	2029.5	2083.7	2081.6	2075.4	2080.6
20°	1821.8	1910.5	2007.6	2100.4	2111.9	2125.5	2170.3	2193.3	2189.1	2206.8	2218.3
22.5°	1918.9	2012.8	2116.1	2177.6	2203.7	2219.4	2254.8	2269.4	2275.7	2279.9	2272.6
25°	2000.2	2100.4	2176.6	2230.8	2246.5	2254.8	2266.3	2270.5	2267.4	2260.1	2266.3
27.5°	2055.5	2135.9	2188.1	2213.1	2204.8	2191.2	2169.3	2154.7	2122.3	2106.7	2125.5
30°	2078.5	2114.0	2129.6	2087.9	2046.2	2012.8	1971.0	1893.8	1833.3	1851.0	1827.0
32.5°	2042.0	2019.0	1943.9	1836.4	1804.1	1749.8	1631.9	1541.1	1544.3	1496.3	1516.1
35°	1934.5	1830.2	1688.3	1525.5	1482.7	1453.5	1324.1	1304.3	1262.5	1217.7	1230.2
37.5°	1744.6	1592.3	1420.1	1300.1	1236.5	1172.8	1099.8	1055.9	1030.9	1012.1	1026.7
40°	1513.0	1327.2	1185.3	1077.9	1023.6	982.9	932.8	889.0	860.8	857.7	862.9
42.5°	1285.5	1129.0	998.6	896.3	878.6	830.6	798.2	763.8	755.4	741.9	749.2
45°	1088.3	961.0	853.5	770.0	749.2	736.7	697.0	675.1	665.7	657.4	669.9
47.5°	945.3	811.8	733.5	683.4	662.6	641.7	619.8	605.2	597.9	598.9	597.9
50°	807.6	709.5	640.7	602.1	589.5	574.9	557.2	547.8	544.7	535.3	542.6
52.5°	694.9	624.0	576.0	539.5	530.1	519.6	505.0	499.8	492.5	490.4	490.4
55°	604.1	548.8	510.2	486.2	474.8	466.4	458.1	451.8	446.6	446.6	446.6
57.5°	533.2	485.2	457.0	436.2	432.0	423.6	414.2	414.2	406.9	405.9	409.0
60°	472.7	429.9	408.0	390.2	384.0	381.9	372.5	372.5	370.4	365.2	369.4
62.5°	411.1	379.8	361.0	347.5	341.2	341.2	333.9	328.7	328.7	329.7	327.6
65°	354.8	331.8	315.1	304.7	301.5	297.4	296.3	292.2	289.0	290.1	289.0
67.5°	304.7	286.9	275.5	267.1	261.9	259.8	256.7	256.7	254.6	255.6	250.4
70°	259.8	242.1	232.7	224.3	222.2	222.2	218.1	219.1	217.0	220.2	218.1
72.5°	213.9	200.3	193.0	189.9	187.8	186.8	184.7	182.6	181.6	183.6	182.6
75°	173.2	161.7	156.5	154.4	152.3	152.3	151.3	150.3	149.2	149.2	149.2
77.5°	134.6	127.3	121.0	123.1	120.0	121.0	117.9	117.9	119.0	117.9	117.9
80°	99.1	93.9	93.9	91.8	87.6	89.7	89.7	86.6	85.6	87.6	84.5
82.5°	65.7	64.7	62.6	61.6	59.5	60.5	59.5	58.4	57.4	59.5	57.4
85°	38.6	38.6	37.6	35.5	37.6	36.5	35.5	35.5	34.4	34.4	34.4
87.5°	19.8	17.7	17.7	16.7	17.7	15.7	16.7	15.7	14.6	15.7	14.6
90°	11.2	11.6	12.0	12.4	12.6	12.7	12.9	13.1	13.3	13.5	13.3
92.5°	12.4	13.1	13.8	14.5	14.9	14.9	15.0	15.1	15.2	15.3	15.2
95°	14.7	15.4	16.1	16.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1
97.5°	15.2	16.0	16.8	17.6	18.0	18.1	18.2	18.3	18.4	18.5	18.4
100°	15.7	16.5	17.3	18.1	18.5	18.5	18.6	18.7	18.8	18.9	18.8
102.5°	30.0	26.7	23.4	20.1	18.5	18.6	18.8	19.0	19.2	19.4	19.2
105°	80.9	63.2	45.5	27.8	18.9	19.0	19.2	19.4	19.6	19.8	19.6
107.5°	159.8	144.4	128.9	113.5	105.8	99.2	86.1	73.0	59.9	46.8	59.9
110°	199.8	196.5	193.2	189.9	188.2	181.0	166.7	152.4	138.1	123.8	138.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	232.4	233.3	234.2	235.1	235.5	235.4	235.2	235.0	234.8	234.6	234.8
115°	259.5	260.5	261.5	262.5	263.0	263.2	263.6	264.0	264.4	264.8	264.4
117.5°	285.8	286.6	287.4	288.2	288.6	288.7	288.8	288.9	289.0	289.1	289.0
120°	311.5	312.3	313.1	313.9	314.3	314.3	314.3	314.3	314.3	314.3	314.3
122.5°	336.9	337.4	337.9	338.4	338.6	338.7	338.8	338.9	339.0	339.1	339.0
125°	360.4	360.6	360.8	361.0	361.1	361.2	361.4	361.6	361.8	362.0	361.8
127.5°	384.4	384.7	385.0	385.3	385.5	385.4	385.2	385.0	384.8	384.6	384.8
130°	405.7	406.1	406.5	406.9	407.1	407.0	406.8	406.6	406.4	406.2	406.4
132.5°	425.9	426.3	426.7	427.1	427.3	427.2	426.9	426.6	426.3	426.0	426.3
135°	446.6	446.9	447.2	447.5	447.6	447.5	447.2	446.9	446.6	446.3	446.6
137.5°	464.8	465.3	465.8	466.3	466.5	466.4	466.2	466.0	465.8	465.6	465.8
140°	482.2	482.6	483.0	483.4	483.6	483.5	483.3	483.1	482.9	482.7	482.9
142.5°	498.8	499.1	499.4	499.7	499.8	499.7	499.4	499.1	498.8	498.5	498.8
145°	514.0	514.2	514.4	514.6	514.7	514.7	514.7	514.7	514.7	514.7	514.7
147.5°	528.0	528.2	528.4	528.6	528.7	528.4	527.9	527.4	526.9	526.4	526.9
150°	540.6	540.8	541.0	541.2	541.3	541.1	540.8	540.5	540.2	539.9	540.2
152.5°	551.6	552.0	552.4	552.8	553.0	552.7	552.2	551.7	551.2	550.7	551.2
155°	561.6	562.1	562.6	563.1	563.3	563.0	562.4	561.8	561.2	560.6	561.2
157.5°	570.7	571.3	571.9	572.5	572.8	572.4	571.6	570.8	570.0	569.2	570.0
160°	578.3	578.9	579.5	580.1	580.4	580.1	579.4	578.7	578.0	577.3	578.0
162.5°	585.2	585.9	586.6	587.3	587.7	587.4	586.8	586.1	585.5	584.9	585.5
165°	591.2	592.0	592.8	593.6	594.0	593.6	592.9	592.2	591.5	590.8	591.5
167.5°	596.1	596.9	597.7	598.5	598.9	598.5	597.7	596.9	596.1	595.3	596.1
170°	600.2	601.0	601.8	602.6	603.0	602.6	601.8	601.0	600.2	599.4	600.2
172.5°	602.9	603.7	604.5	605.3	605.7	605.2	604.3	603.4	602.5	601.6	602.5
175°	605.0	605.7	606.4	607.1	607.5	607.1	606.3	605.5	604.7	603.9	604.7
177.5°	606.0	606.8	607.6	608.4	608.8	608.3	607.3	606.3	605.3	604.3	605.3
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1154.0	1157.2	1148.8	1146.7	1146.7	1150.9	1147.8	1119.6	1124.8	1118.6	1116.5
5°	1281.3	1275.1	1266.7	1262.5	1257.3	1242.7	1241.7	1209.3	1203.1	1182.2	1172.8
7.5°	1421.1	1415.9	1390.9	1387.8	1385.7	1372.1	1337.7	1303.2	1278.2	1254.2	1231.2
10°	1580.8	1565.1	1553.7	1530.7	1519.2	1500.4	1455.6	1423.2	1380.5	1343.9	1295.9
12.5°	1772.8	1755.0	1716.4	1699.7	1685.1	1633.0	1588.1	1551.6	1468.1	1443.1	1383.6
15°	1913.6	1876.1	1871.9	1835.4	1833.3	1775.9	1690.3	1650.7	1586.0	1494.2	1432.6
17.5°	2066.0	2032.6	2006.5	1962.7	1956.4	1902.2	1839.6	1742.5	1671.6	1583.9	1505.7
20°	2177.6	2159.9	2115.0	2097.3	2060.8	2014.9	1950.2	1830.2	1743.6	1655.9	1559.9
22.5°	2266.3	2248.6	2213.1	2189.1	2168.2	2108.8	2031.5	1929.3	1810.3	1695.6	1596.4
25°	2265.3	2260.1	2245.5	2234.0	2218.3	2174.5	2109.8	2011.7	1879.2	1753.0	1615.2
27.5°	2136.9	2151.5	2176.6	2189.1	2186.0	2179.7	2143.2	2060.8	1941.8	1791.6	1637.1
30°	1869.8	1923.0	1970.0	2032.6	2051.4	2097.3	2118.2	2071.2	1976.2	1836.4	1665.3
32.5°	1550.5	1627.7	1730.0	1764.4	1823.9	1912.6	2011.7	2029.5	1970.0	1862.5	1683.0
35°	1271.9	1335.6	1414.9	1469.1	1522.4	1666.4	1791.6	1900.1	1919.9	1848.9	1678.9
37.5°	1052.8	1097.7	1167.6	1213.5	1262.5	1385.7	1561.0	1701.8	1801.0	1803.0	1667.4
40°	894.2	914.0	974.6	1007.9	1054.9	1161.3	1317.8	1501.5	1646.5	1713.3	1637.1
42.5°	757.5	783.6	833.7	858.7	889.0	981.9	1085.2	1259.4	1438.9	1581.8	1580.8
45°	676.1	694.9	717.9	738.7	773.2	828.5	946.4	1076.8	1249.0	1410.7	1474.4
47.5°	604.1	621.9	644.8	651.1	674.1	726.2	798.2	912.0	1072.6	1233.3	1353.3
50°	543.6	558.2	573.9	585.4	595.8	638.6	692.8	788.8	917.2	1072.6	1221.9
52.5°	496.7	507.1	520.7	526.9	536.3	567.6	609.4	680.3	785.7	927.6	1072.6
55°	452.8	460.2	468.5	478.9	483.1	506.1	538.4	598.9	677.2	804.5	942.2
57.5°	412.2	415.3	420.5	426.8	432.0	451.8	480.0	520.7	589.5	687.6	818.0
60°	366.2	374.6	377.7	384.0	387.1	402.8	424.7	459.1	512.3	596.8	694.9
62.5°	327.6	332.9	338.1	341.2	348.5	353.7	371.5	402.8	446.6	509.2	597.9
65°	293.2	295.3	298.4	301.5	303.6	309.9	326.6	347.5	380.9	436.2	505.0
67.5°	253.6	255.6	259.8	260.9	262.9	271.3	280.7	298.4	326.6	368.3	424.7
70°	214.9	218.1	220.2	222.2	225.4	228.5	238.9	253.6	275.5	304.7	348.5
72.5°	181.6	184.7	184.7	186.8	185.7	189.9	200.3	210.8	225.4	249.4	288.0
75°	148.2	148.2	150.3	151.3	152.3	156.5	160.7	169.0	180.5	199.3	223.3
77.5°	116.9	115.8	117.9	117.9	117.9	121.0	125.2	129.4	136.7	150.3	169.0
80°	85.6	85.6	87.6	88.7	86.6	87.6	89.7	93.9	99.1	108.5	119.0
82.5°	56.3	60.5	59.5	60.5	59.5	61.6	62.6	63.6	65.7	69.9	77.2
85°	34.4	34.4	34.4	35.5	34.4	35.5	35.5	35.5	36.5	38.6	41.7
87.5°	14.6	14.6	14.6	15.7	14.6	14.6	15.7	14.6	15.7	15.7	16.7
90°	13.1	12.9	12.7	12.6	12.4	12.0	11.6	11.2	10.8	9.5	8.2
92.5°	15.1	15.0	14.9	14.9	14.5	13.8	13.1	12.4	11.7	10.8	9.9
95°	17.1	17.1	17.1	17.1	16.8	16.1	15.4	14.7	14.0	12.9	11.8
97.5°	18.3	18.2	18.1	18.0	17.6	16.8	16.0	15.2	14.4	19.5	24.6
100°	18.7	18.6	18.5	18.5	18.1	17.3	16.5	15.7	14.9	30.5	46.1
102.5°	19.0	18.8	18.6	18.5	20.1	23.4	26.7	30.0	33.3	50.7	68.1
105°	19.4	19.2	19.0	18.9	27.8	45.5	63.2	80.9	98.6	107.6	116.6
107.5°	73.0	86.1	99.2	105.8	113.5	128.9	144.4	159.8	175.2	173.7	172.2
110°	152.4	166.7	181.0	188.2	189.9	193.2	196.5	199.8	203.1	202.0	200.9

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	235.0	235.2	235.4	235.5	235.1	234.2	233.3	232.4	231.5	230.4	229.3
115°	264.0	263.6	263.2	263.0	262.5	261.5	260.5	259.5	258.5	257.6	256.7
117.5°	288.9	288.8	288.7	288.6	288.2	287.4	286.6	285.8	285.0	284.5	284.0
120°	314.3	314.3	314.3	314.3	313.9	313.1	312.3	311.5	310.7	310.4	310.1
122.5°	338.9	338.8	338.7	338.6	338.4	337.9	337.4	336.9	336.4	336.0	335.6
125°	361.6	361.4	361.2	361.1	361.0	360.8	360.6	360.4	360.2	359.8	359.4
127.5°	385.0	385.2	385.4	385.5	385.3	385.0	384.7	384.4	384.1	383.6	383.1
130°	406.6	406.8	407.0	407.1	406.9	406.5	406.1	405.7	405.3	404.9	404.5
132.5°	426.6	426.9	427.2	427.3	427.1	426.7	426.3	425.9	425.5	425.2	424.9
135°	446.9	447.2	447.5	447.6	447.5	447.2	446.9	446.6	446.3	445.9	445.5
137.5°	466.0	466.2	466.4	466.5	466.3	465.8	465.3	464.8	464.3	464.1	463.9
140°	483.1	483.3	483.5	483.6	483.4	483.0	482.6	482.2	481.8	481.5	481.2
142.5°	499.1	499.4	499.7	499.8	499.7	499.4	499.1	498.8	498.5	498.2	497.9
145°	514.7	514.7	514.7	514.7	514.6	514.4	514.2	514.0	513.8	513.6	513.4
147.5°	527.4	527.9	528.4	528.7	528.6	528.4	528.2	528.0	527.8	527.6	527.4
150°	540.5	540.8	541.1	541.3	541.2	541.0	540.8	540.6	540.4	540.2	540.0
152.5°	551.7	552.2	552.7	553.0	552.8	552.4	552.0	551.6	551.2	551.1	551.0
155°	561.8	562.4	563.0	563.3	563.1	562.6	562.1	561.6	561.1	561.0	560.9
157.5°	570.8	571.6	572.4	572.8	572.5	571.9	571.3	570.7	570.1	570.2	570.3
160°	578.7	579.4	580.1	580.4	580.1	579.5	578.9	578.3	577.7	577.8	577.9
162.5°	586.1	586.8	587.4	587.7	587.3	586.6	585.9	585.2	584.5	584.6	584.7
165°	592.2	592.9	593.6	594.0	593.6	592.8	592.0	591.2	590.4	590.5	590.6
167.5°	596.9	597.7	598.5	598.9	598.5	597.7	596.9	596.1	595.3	595.3	595.3
170°	601.0	601.8	602.6	603.0	602.6	601.8	601.0	600.2	599.4	599.4	599.4
172.5°	603.4	604.3	605.2	605.7	605.3	604.5	603.7	602.9	602.1	602.0	601.9
175°	605.5	606.3	607.1	607.5	607.1	606.4	605.7	605.0	604.3	604.2	604.1
177.5°	606.3	607.3	608.3	608.8	608.4	607.6	606.8	606.0	605.2	605.1	605.0
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1106.0	1102.9	1102.9	1100.8	1094.6	1083.1	1082.0	1084.1	1077.9	1071.6	1062.2
5°	1160.3	1140.5	1134.2	1127.9	1115.4	1094.6	1086.2	1078.9	1067.4	1053.9	1039.3
7.5°	1206.2	1178.0	1169.7	1158.2	1133.2	1103.9	1085.2	1069.5	1053.9	1035.1	1017.3
10°	1263.6	1222.9	1203.1	1186.4	1151.9	1111.2	1083.1	1060.1	1035.1	1012.1	989.2
12.5°	1328.3	1262.5	1256.3	1215.6	1175.9	1115.4	1081.0	1047.6	1014.2	986.0	962.0
15°	1382.5	1310.5	1284.5	1257.3	1181.2	1106.0	1072.6	1035.1	996.5	966.2	930.7
17.5°	1417.0	1357.5	1302.2	1265.7	1186.4	1119.6	1054.9	1012.1	971.4	929.7	900.5
20°	1458.7	1372.1	1324.1	1275.1	1196.8	1109.2	1044.5	991.3	941.2	903.6	868.1
22.5°	1500.4	1383.6	1343.9	1290.7	1198.9	1098.7	1025.7	972.5	915.1	877.5	838.9
25°	1496.3	1400.3	1334.5	1289.7	1178.0	1089.3	1003.8	941.2	888.0	840.0	801.4
27.5°	1499.4	1381.5	1314.7	1262.5	1163.4	1075.8	980.8	915.1	859.8	809.7	769.0
30°	1500.4	1353.3	1294.9	1232.3	1136.3	1043.4	954.7	888.0	829.5	775.3	738.7
32.5°	1497.3	1330.4	1257.3	1201.0	1093.5	1012.1	924.5	853.5	794.0	744.0	709.5
35°	1490.0	1303.2	1218.7	1147.8	1049.7	967.3	896.3	823.3	759.6	713.7	674.1
37.5°	1470.2	1274.0	1178.0	1108.1	998.6	915.1	852.5	792.0	730.4	676.1	642.7
40°	1455.6	1234.4	1137.3	1061.2	943.3	861.9	809.7	752.3	691.8	642.7	610.4
42.5°	1422.2	1196.8	1095.6	1004.8	889.0	805.5	756.5	710.6	658.4	610.4	581.2
45°	1367.9	1156.1	1044.5	952.6	829.5	750.2	705.4	667.8	621.9	576.0	546.8
47.5°	1291.8	1097.7	990.2	898.4	771.1	690.7	645.9	617.7	581.2	542.6	517.5
50°	1209.3	1034.0	934.9	844.1	714.7	636.5	592.7	566.6	542.6	507.1	483.1
52.5°	1101.9	966.2	871.3	784.7	654.2	579.1	540.5	521.7	496.7	471.6	450.8
55°	997.5	878.6	800.3	717.9	594.8	524.8	487.3	467.5	452.8	432.0	415.3
57.5°	876.5	797.2	725.2	650.1	539.5	475.8	440.3	416.3	406.9	397.5	381.9
60°	764.8	704.3	645.9	583.3	482.1	424.7	390.2	371.5	362.1	355.8	345.4
62.5°	662.6	615.6	565.5	515.5	423.6	371.5	345.4	326.6	318.2	317.2	307.8
65°	564.5	531.1	490.4	441.4	369.4	323.5	298.4	286.9	277.6	277.6	270.2
67.5°	466.4	443.5	411.1	376.7	320.3	277.6	254.6	244.2	238.9	238.9	233.7
70°	388.2	372.5	343.3	313.0	264.0	231.6	213.9	204.5	201.4	202.4	198.3
72.5°	315.1	298.4	274.4	252.5	216.0	192.0	179.5	169.0	163.8	164.9	163.8
75°	244.2	235.8	214.9	198.3	169.0	152.3	140.9	135.6	131.5	132.5	130.4
77.5°	183.6	171.1	159.6	148.2	130.4	116.9	107.5	102.3	99.1	99.1	99.1
80°	125.2	123.1	113.7	107.5	92.9	82.4	75.1	74.1	71.0	71.0	71.0
82.5°	81.4	76.2	71.0	66.8	58.4	52.2	49.0	47.0	45.9	44.9	47.0
85°	44.9	41.7	39.7	35.5	32.3	29.2	26.1	25.0	24.0	25.0	24.0
87.5°	17.7	14.6	14.6	13.6	12.5	11.5	11.5	9.4	9.4	8.3	8.3
90°	6.9	5.6	5.0	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	9.0	8.1	7.7	8.0	8.6	9.2	9.8	10.4	9.8	9.2	8.6
95°	10.7	9.6	9.0	11.1	15.2	19.3	23.4	27.5	23.4	19.3	15.2
97.5°	29.7	34.8	37.4	38.8	41.6	44.4	47.2	50.0	47.2	44.4	41.6
100°	61.7	77.3	85.1	84.1	82.1	80.1	78.1	76.1	78.1	80.1	82.1
102.5°	85.6	103.0	111.7	111.0	109.7	108.4	107.1	105.8	107.1	108.4	109.7
105°	125.6	134.6	139.1	138.6	137.5	136.4	135.3	134.2	135.3	136.4	137.5
107.5°	170.7	169.2	168.4	168.0	167.1	166.2	165.3	164.4	165.3	166.2	167.1
110°	199.8	198.7	198.1	197.7	196.9	196.1	195.3	194.5	195.3	196.1	196.9

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	228.2	227.1	226.5	226.2	225.5	224.8	224.1	223.4	224.1	224.8	225.5
115°	255.8	254.9	254.4	254.1	253.5	252.9	252.3	251.7	252.3	252.9	253.5
117.5°	283.5	283.0	282.8	282.4	281.7	281.0	280.3	279.6	280.3	281.0	281.7
120°	309.8	309.5	309.4	308.9	308.0	307.1	306.2	305.3	306.2	307.1	308.0
122.5°	335.2	334.8	334.6	334.2	333.5	332.8	332.1	331.4	332.1	332.8	333.5
125°	359.0	358.6	358.4	358.0	357.2	356.4	355.6	354.8	355.6	356.4	357.2
127.5°	382.6	382.1	381.9	381.5	380.7	379.9	379.1	378.3	379.1	379.9	380.7
130°	404.1	403.7	403.5	403.1	402.3	401.5	400.7	399.9	400.7	401.5	402.3
132.5°	424.6	424.3	424.2	423.8	423.0	422.2	421.4	420.6	421.4	422.2	423.0
135°	445.1	444.7	444.5	444.2	443.6	443.0	442.4	441.8	442.4	443.0	443.6
137.5°	463.7	463.5	463.4	463.0	462.2	461.4	460.6	459.8	460.6	461.4	462.2
140°	480.9	480.6	480.5	480.2	479.6	479.0	478.4	477.8	478.4	479.0	479.6
142.5°	497.6	497.3	497.1	496.8	496.2	495.6	495.0	494.4	495.0	495.6	496.2
145°	513.2	513.0	512.9	512.5	511.8	511.1	510.4	509.7	510.4	511.1	511.8
147.5°	527.2	527.0	526.9	526.6	526.1	525.6	525.1	524.6	525.1	525.6	526.1
150°	539.8	539.6	539.5	539.3	539.0	538.7	538.4	538.1	538.4	538.7	539.0
152.5°	550.9	550.8	550.7	550.7	550.6	550.5	550.4	550.3	550.4	550.5	550.6
155°	560.8	560.7	560.6	560.7	560.9	561.1	561.3	561.5	561.3	561.1	560.9
157.5°	570.4	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5
160°	578.0	578.1	578.2	578.2	578.3	578.4	578.5	578.6	578.5	578.4	578.3
162.5°	584.8	584.9	584.9	585.1	585.4	585.7	586.0	586.3	586.0	585.7	585.4
165°	590.7	590.8	590.8	591.0	591.3	591.6	591.9	592.2	591.9	591.6	591.3
167.5°	595.3	595.3	595.3	595.5	595.9	596.3	596.7	597.1	596.7	596.3	595.9
170°	599.4	599.4	599.4	599.6	600.0	600.4	600.8	601.2	600.8	600.4	600.0
172.5°	601.8	601.7	601.6	601.9	602.4	602.9	603.4	603.9	603.4	602.9	602.4
175°	604.0	603.9	603.9	604.1	604.6	605.1	605.6	606.1	605.6	605.1	604.6
177.5°	604.9	604.8	604.8	605.0	605.5	606.0	606.5	607.0	606.5	606.0	605.5
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1060.1	1059.1	1061.2	1054.9	1044.5	1039.3	1024.6	1021.5	1020.5	1021.5	1022.6
5°	1030.9	1029.9	1026.7	1016.3	1003.8	994.4	976.6	975.6	969.3	963.1	966.2
7.5°	1002.7	998.6	992.3	978.7	962.0	951.6	937.0	926.6	918.2	913.0	908.8
10°	974.6	968.3	962.0	944.3	923.4	907.8	890.0	881.7	872.3	868.1	864.0
12.5°	938.0	931.8	920.3	899.4	886.9	867.1	849.3	841.0	835.8	827.4	822.2
15°	908.8	896.3	890.0	868.1	842.0	840.0	807.6	805.5	795.1	795.1	786.7
17.5°	875.4	866.0	854.6	832.7	813.9	795.1	778.4	772.1	762.7	760.7	756.5
20°	843.1	830.6	826.4	804.5	784.7	761.7	744.0	737.7	733.5	729.4	732.5
22.5°	809.7	799.3	788.8	769.0	754.4	731.4	721.0	714.7	708.5	706.4	707.4
25°	777.4	768.0	757.5	737.7	722.1	703.3	693.9	690.7	687.6	687.6	686.6
27.5°	746.0	736.7	727.3	709.5	693.9	680.3	673.0	669.9	666.7	668.8	670.9
30°	713.7	705.4	697.0	681.4	668.8	656.3	652.1	650.1	649.0	654.2	654.2
32.5°	684.5	677.2	670.9	656.3	643.8	633.4	630.2	631.3	632.3	635.4	637.5
35°	654.2	649.0	642.7	630.2	619.8	610.4	611.4	611.4	613.5	618.8	622.9
37.5°	627.1	619.8	614.6	604.1	595.8	587.4	590.6	593.7	595.8	602.1	604.1
40°	594.8	591.6	587.4	577.0	569.7	568.7	569.7	571.8	576.0	579.1	582.2
42.5°	568.7	564.5	559.3	550.9	544.7	545.7	546.8	548.8	550.9	556.1	559.3
45°	539.5	536.3	532.1	524.8	519.6	520.7	521.7	521.7	523.8	530.1	532.1
47.5°	507.1	508.1	502.9	495.6	492.5	492.5	492.5	494.6	499.8	501.9	502.9
50°	475.8	473.7	472.7	465.4	463.3	462.2	463.3	464.3	471.6	470.6	473.7
52.5°	442.4	442.4	441.4	437.2	434.1	434.1	432.0	437.2	439.3	441.4	444.5
55°	410.1	406.9	405.9	403.8	399.6	398.6	400.7	406.9	409.0	411.1	414.2
57.5°	374.6	374.6	372.5	369.4	369.4	369.4	369.4	373.5	376.7	378.8	385.0
60°	342.2	338.1	334.9	334.9	334.9	333.9	340.2	340.2	346.4	347.5	349.5
62.5°	303.6	301.5	299.5	300.5	299.5	301.5	303.6	307.8	308.9	312.0	315.1
65°	267.1	267.1	265.0	271.3	267.1	267.1	272.3	272.3	274.4	277.6	281.7
67.5°	231.6	232.7	230.6	230.6	232.7	233.7	234.8	238.9	240.0	244.2	249.4
70°	195.1	197.2	198.3	196.2	198.3	200.3	202.4	203.5	207.6	209.7	212.9
72.5°	162.8	164.9	161.7	162.8	163.8	165.9	166.9	169.0	171.1	177.4	179.5
75°	130.4	129.4	128.3	132.5	130.4	134.6	135.6	135.6	137.7	142.9	145.0
77.5°	100.2	100.2	101.2	99.1	102.3	101.2	102.3	105.4	108.5	108.5	116.9
80°	69.9	72.0	72.0	72.0	73.0	74.1	72.0	77.2	78.3	78.3	81.4
82.5°	44.9	45.9	44.9	47.0	47.0	49.0	48.0	49.0	51.1	53.2	54.3
85°	24.0	24.0	26.1	26.1	25.0	26.1	25.0	26.1	28.2	28.2	29.2
87.5°	8.3	8.3	8.3	8.3	9.4	8.3	9.4	9.4	8.3	8.3	11.5
90°	4.5	5.0	5.6	6.9	8.2	9.5	10.8	11.2	11.6	12.0	12.4
92.5°	8.0	7.7	8.1	9.0	9.9	10.8	11.7	12.4	13.1	13.8	14.5
95°	11.1	9.0	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8
97.5°	38.8	37.4	34.8	29.7	24.6	19.5	14.4	15.2	16.0	16.8	17.6
100°	84.1	85.1	77.3	61.7	46.1	30.5	14.9	15.7	16.5	17.3	18.1
102.5°	111.0	111.7	103.0	85.6	68.1	50.7	33.3	30.0	26.7	23.4	20.1
105°	138.6	139.1	134.6	125.6	116.6	107.6	98.6	80.9	63.2	45.5	27.8
107.5°	168.0	168.4	169.2	170.7	172.2	173.7	175.2	159.8	144.4	128.9	113.5
110°	197.7	198.1	198.7	199.8	200.9	202.0	203.1	199.8	196.5	193.2	189.9

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	226.2	226.5	227.1	228.2	229.3	230.4	231.5	232.4	233.3	234.2	235.1
115°	254.1	254.4	254.9	255.8	256.7	257.6	258.5	259.5	260.5	261.5	262.5
117.5°	282.4	282.8	283.0	283.5	284.0	284.5	285.0	285.8	286.6	287.4	288.2
120°	308.9	309.4	309.5	309.8	310.1	310.4	310.7	311.5	312.3	313.1	313.9
122.5°	334.2	334.6	334.8	335.2	335.6	336.0	336.4	336.9	337.4	337.9	338.4
125°	358.0	358.4	358.6	359.0	359.4	359.8	360.2	360.4	360.6	360.8	361.0
127.5°	381.5	381.9	382.1	382.6	383.1	383.6	384.1	384.4	384.7	385.0	385.3
130°	403.1	403.5	403.7	404.1	404.5	404.9	405.3	405.7	406.1	406.5	406.9
132.5°	423.8	424.2	424.3	424.6	424.9	425.2	425.5	425.9	426.3	426.7	427.1
135°	444.2	444.5	444.7	445.1	445.5	445.9	446.3	446.6	446.9	447.2	447.5
137.5°	463.0	463.4	463.5	463.7	463.9	464.1	464.3	464.8	465.3	465.8	466.3
140°	480.2	480.5	480.6	480.9	481.2	481.5	481.8	482.2	482.6	483.0	483.4
142.5°	496.8	497.1	497.3	497.6	497.9	498.2	498.5	498.8	499.1	499.4	499.7
145°	512.5	512.9	513.0	513.2	513.4	513.6	513.8	514.0	514.2	514.4	514.6
147.5°	526.6	526.9	527.0	527.2	527.4	527.6	527.8	528.0	528.2	528.4	528.6
150°	539.3	539.5	539.6	539.8	540.0	540.2	540.4	540.6	540.8	541.0	541.2
152.5°	550.7	550.7	550.8	550.9	551.0	551.1	551.2	551.6	552.0	552.4	552.8
155°	560.7	560.6	560.7	560.8	560.9	561.0	561.1	561.6	562.1	562.6	563.1
157.5°	570.5	570.5	570.5	570.4	570.3	570.2	570.1	570.7	571.3	571.9	572.5
160°	578.2	578.2	578.1	578.0	577.9	577.8	577.7	578.3	578.9	579.5	580.1
162.5°	585.1	584.9	584.9	584.8	584.7	584.6	584.5	585.2	585.9	586.6	587.3
165°	591.0	590.8	590.8	590.7	590.6	590.5	590.4	591.2	592.0	592.8	593.6
167.5°	595.5	595.3	595.3	595.3	595.3	595.3	595.3	596.1	596.9	597.7	598.5
170°	599.6	599.4	599.4	599.4	599.4	599.4	599.4	600.2	601.0	601.8	602.6
172.5°	601.9	601.6	601.7	601.8	601.9	602.0	602.1	602.9	603.7	604.5	605.3
175°	604.1	603.9	603.9	604.0	604.1	604.2	604.3	605.0	605.7	606.4	607.1
177.5°	605.0	604.8	604.8	604.9	605.0	605.1	605.2	606.0	606.8	607.6	608.4
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1021.5	1022.6	1018.4	1015.3	1023.6	1018.4	1018.4	1019.4	1017.3	1020.5	1019.4
5°	964.1	965.2	957.9	960.0	955.8	954.7	953.7	960.0	958.9	957.9	960.0
7.5°	907.8	907.8	904.6	902.6	902.6	899.4	903.6	902.6	904.6	904.6	907.8
10°	860.8	862.9	857.7	852.5	851.4	852.5	852.5	853.5	854.6	861.9	860.8
12.5°	822.2	819.1	818.0	814.9	809.7	807.6	805.5	817.0	813.9	813.9	813.9
15°	779.4	786.7	785.7	776.3	774.2	778.4	776.3	776.3	786.7	785.7	784.7
17.5°	756.5	754.4	752.3	747.1	748.1	747.1	748.1	748.1	754.4	754.4	754.4
20°	730.4	726.2	726.2	724.1	724.1	721.0	725.2	726.2	730.4	730.4	731.4
22.5°	707.4	704.3	704.3	703.3	705.4	701.2	705.4	706.4	706.4	709.5	709.5
25°	687.6	685.5	685.5	687.6	687.6	687.6	687.6	691.8	688.7	689.7	688.7
27.5°	669.9	670.9	672.0	673.0	672.0	673.0	674.1	676.1	677.2	676.1	674.1
30°	653.2	656.3	657.4	657.4	659.4	660.5	661.5	661.5	662.6	659.4	661.5
32.5°	640.7	640.7	642.7	643.8	645.9	646.9	646.9	649.0	648.0	644.8	645.9
35°	622.9	622.9	627.1	629.2	632.3	631.3	632.3	632.3	633.4	631.3	628.1
37.5°	605.2	607.3	607.3	611.4	612.5	613.5	612.5	614.6	613.5	611.4	610.4
40°	584.3	583.3	584.3	587.4	588.5	588.5	588.5	590.6	590.6	590.6	589.5
42.5°	558.2	561.4	560.3	563.4	562.4	562.4	564.5	566.6	567.6	564.5	565.5
45°	533.2	533.2	535.3	535.3	536.3	536.3	540.5	538.4	540.5	538.4	539.5
47.5°	506.1	507.1	507.1	508.1	510.2	512.3	510.2	511.3	511.3	512.3	510.2
50°	475.8	475.8	477.9	481.0	485.2	483.1	482.1	486.2	483.1	483.1	481.0
52.5°	444.5	447.6	448.7	451.8	454.9	456.0	457.0	454.9	456.0	452.8	453.9
55°	414.2	415.3	419.5	422.6	425.7	425.7	424.7	425.7	426.8	422.6	422.6
57.5°	384.0	387.1	391.3	391.3	395.5	395.5	394.4	394.4	395.5	392.3	391.3
60°	351.6	354.8	360.0	360.0	366.2	367.3	365.2	363.1	363.1	360.0	361.0
62.5°	317.2	320.3	323.5	328.7	332.9	330.8	334.9	330.8	331.8	325.5	325.5
65°	286.9	288.0	293.2	298.4	298.4	300.5	298.4	299.5	296.3	296.3	292.2
67.5°	251.5	251.5	256.7	261.9	267.1	267.1	267.1	264.0	264.0	260.9	260.9
70°	220.2	219.1	224.3	227.5	230.6	231.6	229.6	228.5	226.4	223.3	222.2
72.5°	181.6	183.6	188.9	190.9	196.2	195.1	200.3	194.1	194.1	188.9	187.8
75°	147.1	149.2	154.4	157.6	160.7	160.7	163.8	160.7	156.5	154.4	153.4
77.5°	116.9	115.8	120.0	125.2	126.3	125.2	127.3	126.3	122.1	122.1	120.0
80°	83.5	86.6	90.8	89.7	93.9	92.9	92.9	90.8	90.8	87.6	89.7
82.5°	55.3	58.4	59.5	58.4	59.5	61.6	62.6	61.6	61.6	59.5	60.5
85°	29.2	29.2	31.3	32.3	31.3	31.3	32.3	35.5	33.4	31.3	33.4
87.5°	9.4	8.3	8.3	9.4	8.3	8.3	9.4	9.4	10.4	10.4	10.4
90°	12.6	12.7	12.9	13.1	13.3	13.5	13.3	13.1	12.9	12.7	12.6
92.5°	14.9	14.9	15.0	15.1	15.2	15.3	15.2	15.1	15.0	14.9	14.9
95°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
97.5°	18.0	18.1	18.2	18.3	18.4	18.5	18.4	18.3	18.2	18.1	18.0
100°	18.5	18.5	18.6	18.7	18.8	18.9	18.8	18.7	18.6	18.5	18.5
102.5°	18.5	18.6	18.8	19.0	19.2	19.4	19.2	19.0	18.8	18.6	18.5
105°	18.9	19.0	19.2	19.4	19.6	19.8	19.6	19.4	19.2	19.0	18.9
107.5°	105.8	99.2	86.1	73.0	59.9	46.8	59.9	73.0	86.1	99.2	105.8
110°	188.2	181.0	166.7	152.4	138.1	123.8	138.1	152.4	166.7	181.0	188.2

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	235.5	235.4	235.2	235.0	234.8	234.6	234.8	235.0	235.2	235.4	235.5
115°	263.0	263.2	263.6	264.0	264.4	264.8	264.4	264.0	263.6	263.2	263.0
117.5°	288.6	288.7	288.8	288.9	289.0	289.1	289.0	288.9	288.8	288.7	288.6
120°	314.3	314.3	314.3	314.3	314.3	314.3	314.3	314.3	314.3	314.3	314.3
122.5°	338.6	338.7	338.8	338.9	339.0	339.1	339.0	338.9	338.8	338.7	338.6
125°	361.1	361.2	361.4	361.6	361.8	362.0	361.8	361.6	361.4	361.2	361.1
127.5°	385.5	385.4	385.2	385.0	384.8	384.6	384.8	385.0	385.2	385.4	385.5
130°	407.1	407.0	406.8	406.6	406.4	406.2	406.4	406.6	406.8	407.0	407.1
132.5°	427.3	427.2	426.9	426.6	426.3	426.0	426.3	426.6	426.9	427.2	427.3
135°	447.6	447.5	447.2	446.9	446.6	446.3	446.6	446.9	447.2	447.5	447.6
137.5°	466.5	466.4	466.2	466.0	465.8	465.6	465.8	466.0	466.2	466.4	466.5
140°	483.6	483.5	483.3	483.1	482.9	482.7	482.9	483.1	483.3	483.5	483.6
142.5°	499.8	499.7	499.4	499.1	498.8	498.5	498.8	499.1	499.4	499.7	499.8
145°	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7
147.5°	528.7	528.4	527.9	527.4	526.9	526.4	526.9	527.4	527.9	528.4	528.7
150°	541.3	541.1	540.8	540.5	540.2	539.9	540.2	540.5	540.8	541.1	541.3
152.5°	553.0	552.7	552.2	551.7	551.2	550.7	551.2	551.7	552.2	552.7	553.0
155°	563.3	563.0	562.4	561.8	561.2	560.6	561.2	561.8	562.4	563.0	563.3
157.5°	572.8	572.4	571.6	570.8	570.0	569.2	570.0	570.8	571.6	572.4	572.8
160°	580.4	580.1	579.4	578.7	578.0	577.3	578.0	578.7	579.4	580.1	580.4
162.5°	587.7	587.4	586.8	586.1	585.5	584.9	585.5	586.1	586.8	587.4	587.7
165°	594.0	593.6	592.9	592.2	591.5	590.8	591.5	592.2	592.9	593.6	594.0
167.5°	598.9	598.5	597.7	596.9	596.1	595.3	596.1	596.9	597.7	598.5	598.9
170°	603.0	602.6	601.8	601.0	600.2	599.4	600.2	601.0	601.8	602.6	603.0
172.5°	605.7	605.2	604.3	603.4	602.5	601.6	602.5	603.4	604.3	605.2	605.7
175°	607.5	607.1	606.3	605.5	604.7	603.9	604.7	605.5	606.3	607.1	607.5
177.5°	608.8	608.3	607.3	606.3	605.3	604.3	605.3	606.3	607.3	608.3	608.8
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8	1076.8
2.5°	1022.6	1024.6	1025.7	1021.5	1018.4	1023.6	1030.9	1036.1	1040.3	1045.5	1048.6
5°	962.0	969.3	969.3	971.4	974.6	979.8	993.3	1002.7	1011.1	1017.3	1022.6
7.5°	910.9	916.1	919.3	924.5	929.7	937.0	952.6	966.2	978.7	986.0	994.4
10°	865.0	869.2	874.4	877.5	886.9	897.3	917.2	928.6	943.3	954.7	965.2
12.5°	821.2	835.8	838.9	837.9	846.2	857.7	877.5	895.3	910.9	922.4	933.9
15°	789.9	795.1	801.4	800.3	818.0	821.2	837.9	858.7	879.6	886.9	897.3
17.5°	755.4	763.8	770.0	773.2	778.4	789.9	805.5	821.2	848.3	849.3	876.5
20°	728.3	736.7	740.8	745.0	748.1	761.7	775.3	793.0	814.9	826.4	841.0
22.5°	710.6	714.7	717.9	721.0	725.2	732.5	749.2	769.0	783.6	796.1	805.5
25°	689.7	693.9	698.1	700.1	703.3	707.4	720.0	735.6	756.5	764.8	774.2
27.5°	675.1	675.1	677.2	677.2	681.4	685.5	694.9	709.5	726.2	736.7	749.2
30°	659.4	658.4	659.4	658.4	657.4	663.6	672.0	684.5	696.0	708.5	716.8
32.5°	643.8	642.7	642.7	643.8	639.6	642.7	646.9	658.4	670.9	677.2	686.6
35°	627.1	625.0	625.0	625.0	622.9	620.8	625.0	635.4	643.8	652.1	659.4
37.5°	610.4	607.3	607.3	605.2	603.1	600.0	600.0	608.3	619.8	622.9	632.3
40°	587.4	587.4	585.4	584.3	582.2	580.1	577.0	584.3	594.8	597.9	605.2
42.5°	564.5	561.4	560.3	560.3	560.3	557.2	555.1	560.3	566.6	571.8	576.0
45°	538.4	536.3	537.4	536.3	534.2	533.2	532.1	534.2	541.5	543.6	548.8
47.5°	510.2	509.2	509.2	508.1	507.1	508.1	504.0	509.2	511.3	513.4	517.5
50°	481.0	480.0	478.9	477.9	477.9	478.9	477.9	477.9	482.1	484.1	488.3
52.5°	451.8	448.7	448.7	447.6	447.6	445.5	447.6	448.7	450.8	452.8	454.9
55°	420.5	420.5	417.4	417.4	415.3	415.3	416.3	415.3	419.5	421.5	421.5
57.5°	390.2	386.1	387.1	385.0	382.9	381.9	381.9	384.0	386.1	386.1	388.2
60°	357.9	353.7	352.7	348.5	350.6	347.5	348.5	348.5	352.7	350.6	352.7
62.5°	325.5	320.3	317.2	315.1	315.1	316.2	314.1	313.0	315.1	317.2	321.4
65°	291.1	288.0	284.9	281.7	281.7	280.7	282.8	279.6	278.6	279.6	281.7
67.5°	255.6	252.5	249.4	246.2	247.3	244.2	242.1	245.2	243.1	244.2	246.2
70°	221.2	219.1	212.9	210.8	209.7	210.8	209.7	207.6	210.8	209.7	210.8
72.5°	186.8	184.7	181.6	176.3	176.3	175.3	174.3	174.3	173.2	173.2	173.2
75°	153.4	149.2	146.1	145.0	142.9	141.9	140.9	138.8	139.8	140.9	138.8
77.5°	119.0	113.7	112.7	112.7	109.6	109.6	110.6	109.6	108.5	108.5	108.5
80°	87.6	83.5	83.5	81.4	79.3	79.3	79.3	79.3	78.3	77.2	78.3
82.5°	56.3	55.3	54.3	54.3	56.3	52.2	54.3	53.2	52.2	52.2	51.1
85°	31.3	32.3	31.3	32.3	30.3	31.3	31.3	31.3	30.3	31.3	29.2
87.5°	11.5	11.5	11.5	12.5	12.5	12.5	12.5	12.5	13.6	12.5	12.5
90°	12.4	12.0	11.6	11.2	10.8	9.5	8.2	6.9	5.6	5.0	4.5
92.5°	14.5	13.8	13.1	12.4	11.7	10.8	9.9	9.0	8.1	7.7	8.0
95°	16.8	16.1	15.4	14.7	14.0	12.9	11.8	10.7	9.6	9.0	11.1
97.5°	17.6	16.8	16.0	15.2	14.4	19.5	24.6	29.7	34.8	37.4	38.8
100°	18.1	17.3	16.5	15.7	14.9	30.5	46.1	61.7	77.3	85.1	84.1
102.5°	20.1	23.4	26.7	30.0	33.3	50.7	68.1	85.6	103.0	111.7	111.0
105°	27.8	45.5	63.2	80.9	98.6	107.6	116.6	125.6	134.6	139.1	138.6
107.5°	113.5	128.9	144.4	159.8	175.2	173.7	172.2	170.7	169.2	168.4	168.0
110°	189.9	193.2	196.5	199.8	203.1	202.0	200.9	199.8	198.7	198.1	197.7

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	235.1	234.2	233.3	232.4	231.5	230.4	229.3	228.2	227.1	226.5	226.2
115°	262.5	261.5	260.5	259.5	258.5	257.6	256.7	255.8	254.9	254.4	254.1
117.5°	288.2	287.4	286.6	285.8	285.0	284.5	284.0	283.5	283.0	282.8	282.4
120°	313.9	313.1	312.3	311.5	310.7	310.4	310.1	309.8	309.5	309.4	308.9
122.5°	338.4	337.9	337.4	336.9	336.4	336.0	335.6	335.2	334.8	334.6	334.2
125°	361.0	360.8	360.6	360.4	360.2	359.8	359.4	359.0	358.6	358.4	358.0
127.5°	385.3	385.0	384.7	384.4	384.1	383.6	383.1	382.6	382.1	381.9	381.5
130°	406.9	406.5	406.1	405.7	405.3	404.9	404.5	404.1	403.7	403.5	403.1
132.5°	427.1	426.7	426.3	425.9	425.5	425.2	424.9	424.6	424.3	424.2	423.8
135°	447.5	447.2	446.9	446.6	446.3	445.9	445.5	445.1	444.7	444.5	444.2
137.5°	466.3	465.8	465.3	464.8	464.3	464.1	463.9	463.7	463.5	463.4	463.0
140°	483.4	483.0	482.6	482.2	481.8	481.5	481.2	480.9	480.6	480.5	480.2
142.5°	499.7	499.4	499.1	498.8	498.5	498.2	497.9	497.6	497.3	497.1	496.8
145°	514.6	514.4	514.2	514.0	513.8	513.6	513.4	513.2	513.0	512.9	512.5
147.5°	528.6	528.4	528.2	528.0	527.8	527.6	527.4	527.2	527.0	526.9	526.6
150°	541.2	541.0	540.8	540.6	540.4	540.2	540.0	539.8	539.6	539.5	539.3
152.5°	552.8	552.4	552.0	551.6	551.2	551.1	551.0	550.9	550.8	550.7	550.7
155°	563.1	562.6	562.1	561.6	561.1	561.0	560.9	560.8	560.7	560.6	560.7
157.5°	572.5	571.9	571.3	570.7	570.1	570.2	570.3	570.4	570.5	570.5	570.5
160°	580.1	579.5	578.9	578.3	577.7	577.8	577.9	578.0	578.1	578.2	578.2
162.5°	587.3	586.6	585.9	585.2	584.5	584.6	584.7	584.8	584.9	584.9	585.1
165°	593.6	592.8	592.0	591.2	590.4	590.5	590.6	590.7	590.8	590.8	591.0
167.5°	598.5	597.7	596.9	596.1	595.3	595.3	595.3	595.3	595.3	595.3	595.5
170°	602.6	601.8	601.0	600.2	599.4	599.4	599.4	599.4	599.4	599.4	599.6
172.5°	605.3	604.5	603.7	602.9	602.1	602.0	601.9	601.8	601.7	601.6	601.9
175°	607.1	606.4	605.7	605.0	604.3	604.2	604.1	604.0	603.9	603.9	604.1
177.5°	608.4	607.6	606.8	606.0	605.2	605.1	605.0	604.9	604.8	604.8	605.0
180°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1076.8	1076.8	1076.8	1076.8
2.5°	1053.9	1057.0	1067.4	1079.9
5°	1033.0	1041.3	1055.9	1075.8
7.5°	1010.0	1022.6	1043.4	1068.5
10°	983.9	1001.7	1027.8	1059.1
12.5°	955.8	978.7	1012.1	1044.5
15°	938.0	961.0	991.3	1026.7
17.5°	903.6	930.7	962.0	1012.1
20°	868.1	898.4	939.1	989.2
22.5°	841.0	873.3	912.0	965.2
25°	808.7	842.0	883.8	939.1
27.5°	774.2	807.6	854.6	913.0
30°	748.1	780.5	825.3	888.0
32.5°	716.8	748.1	795.1	860.8
35°	681.4	716.8	761.7	828.5
37.5°	654.2	686.6	733.5	797.2
40°	625.0	653.2	699.1	761.7
42.5°	593.7	625.0	664.7	727.3
45°	564.5	587.4	628.1	687.6
47.5°	533.2	559.3	590.6	636.5
50°	499.8	521.7	556.1	587.4
52.5°	467.5	485.2	514.4	538.4
55°	433.0	450.8	472.7	487.3
57.5°	400.7	413.2	427.8	437.2
60°	361.0	373.5	382.9	392.3
62.5°	325.5	334.9	340.2	345.4
65°	289.0	294.2	297.4	301.5
67.5°	249.4	254.6	255.6	261.9
70°	212.9	213.9	216.0	219.1
72.5°	178.4	180.5	179.5	181.6
75°	142.9	145.0	142.9	145.0
77.5°	108.5	110.6	110.6	113.7
80°	78.3	79.3	80.3	80.3
82.5°	51.1	54.3	52.2	53.2
85°	29.2	30.3	30.3	31.3
87.5°	13.6	14.6	13.6	15.7
90°	3.5	2.5	1.5	0.5
92.5°	8.6	9.2	9.8	10.4
95°	15.2	19.3	23.4	27.5
97.5°	41.6	44.4	47.2	50.0
100°	82.1	80.1	78.1	76.1
102.5°	109.7	108.4	107.1	105.8
105°	137.5	136.4	135.3	134.2
107.5°	167.1	166.2	165.3	164.4
110°	196.9	196.1	195.3	194.5

TEST NUMBER: P1031924

CATALOG NUMBER: S123DIW-B775D460UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.5	224.8	224.1	223.4
115°	253.5	252.9	252.3	251.7
117.5°	281.7	281.0	280.3	279.6
120°	308.0	307.1	306.2	305.3
122.5°	333.5	332.8	332.1	331.4
125°	357.2	356.4	355.6	354.8
127.5°	380.7	379.9	379.1	378.3
130°	402.3	401.5	400.7	399.9
132.5°	423.0	422.2	421.4	420.6
135°	443.6	443.0	442.4	441.8
137.5°	462.2	461.4	460.6	459.8
140°	479.6	479.0	478.4	477.8
142.5°	496.2	495.6	495.0	494.4
145°	511.8	511.1	510.4	509.7
147.5°	526.1	525.6	525.1	524.6
150°	539.0	538.7	538.4	538.1
152.5°	550.6	550.5	550.4	550.3
155°	560.9	561.1	561.3	561.5
157.5°	570.5	570.5	570.5	570.5
160°	578.3	578.4	578.5	578.6
162.5°	585.4	585.7	586.0	586.3
165°	591.3	591.6	591.9	592.2
167.5°	595.9	596.3	596.7	597.1
170°	600.0	600.4	600.8	601.2
172.5°	602.4	602.9	603.4	603.9
175°	604.6	605.1	605.6	606.1
177.5°	605.5	606.0	606.5	607.0
180°	606.1	606.1	606.1	606.1

(END OF REPORT)