

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: P1031948

Luminaire Tested: S123DIW-B775D460UB50-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031948
REPORT IS A COMBINATION OF REPORTS P992094 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B775D460UB50-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

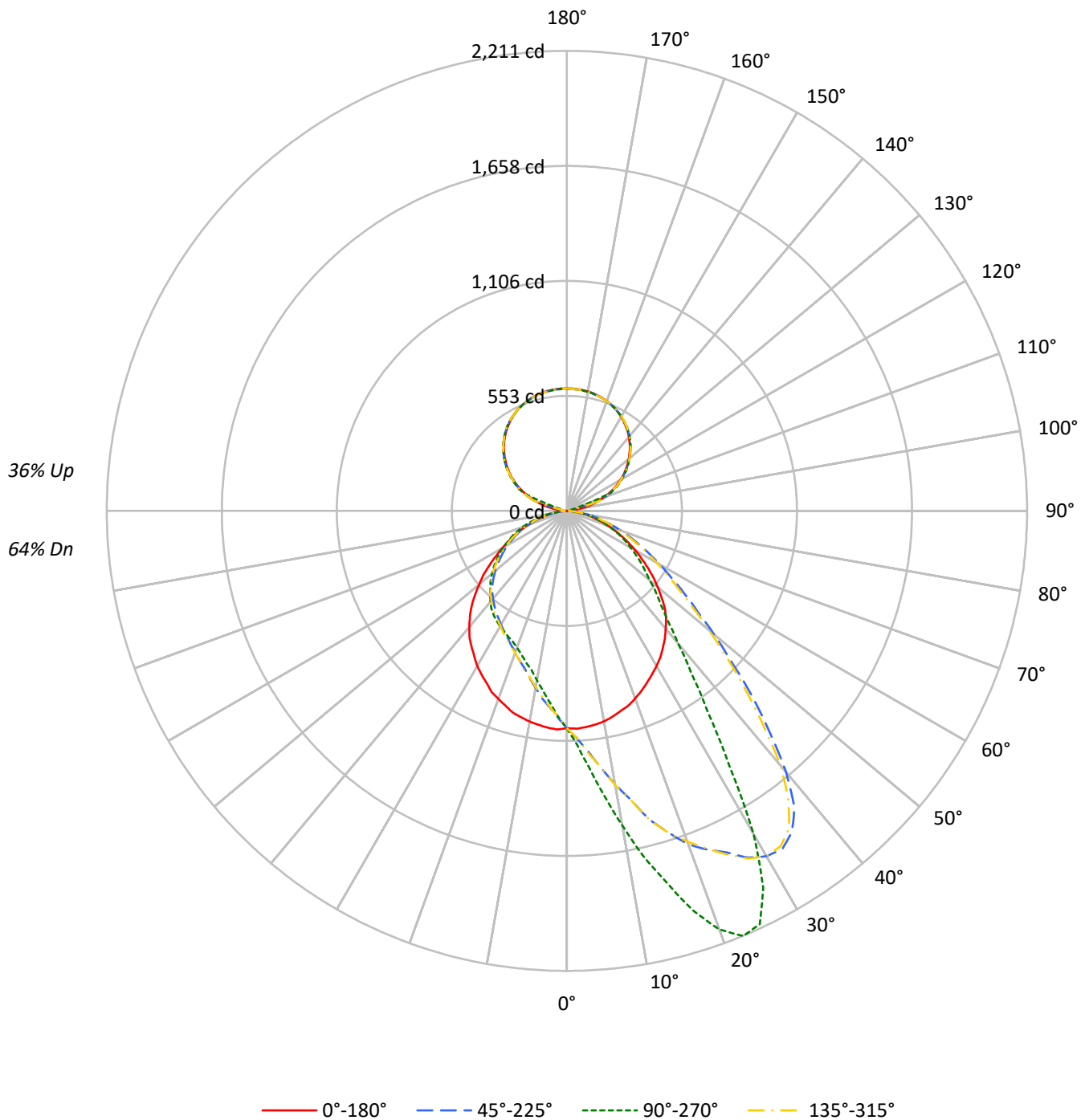
Lumens per Lamp: N/A
Luminaire Lumens: 4945.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

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				10
RW	70	50	30	10	70	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
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	61	60	59
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50
3	85	75	68	62	79	71	64	59	63	58	53	55	51	48	48	46	43
4	78	67	59	53	73	63	56	50	56	50	46	50	45	41	44	40	37
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	39	36	33
6	66	54	45	40	62	51	43	38	45	39	35	40	36	32	36	32	29
7	61	49	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23
9	53	40	33	28	50	38	31	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°	11241	11241	11241	11241
5°	11248	12953	11282	9666
10°	11177	15673	11189	8442
15°	11023	18588	11113	7598
20°	10889	21401	10913	6992
25°	10693	21940	10716	6675
30°	10552	18127	10552	6468
35°	10377	12123	10311	6284
40°	10166	8751	10041	6004
45°	9904	6932	9619	5655
50°	9264	5887	8936	5313
55°	8563	5173	8215	4931
60°	7851	4504	7435	4530
65°	7071	3856	6728	3995
70°	6258	3201	5840	3369
75°	5352	2414	5006	2599
80°	4229	1612	3898	1709
85°	2920	740	2334	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	2.1
10°-20°	329.9	6.7
20°-30°	555.1	11.2
30°-40°	627.3	12.7
40°-50°	561.8	11.4
50°-60°	453.5	9.2
60°-70°	316.0	6.4
70°-80°	165.9	3.4
80°-90°	40.9	0.8
90°-100°	20.7	0.4
100°-110°	100.2	2.0
110°-120°	245.6	5.0
120°-130°	311.7	6.3
130°-140°	333.0	6.7
140°-150°	311.4	6.3
150°-160°	251.2	5.1
160°-170°	162.1	3.3
170°-180°	55.9	1.1
0°-30°	987.7	20.0
0°-40°	1615.0	32.7
0°-60°	2630.3	53.2
0°-90°	3153.2	63.8
90°-120°	366.5	7.4
90°-150°	1322.6	26.7
90°-180°	1792.0	36.2
0°-180°	4945.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1044	1044	1044	1044	1044	
5°	1043	1241	1046	926	1043	99
15°	996	1847	1004	755	996	281
25°	911	2192	913	667	911	420
35°	804	1181	798	612	804	503
45°	667	638	648	520	667	510
55°	473	433	453	413	473	423
65°	292	281	278	291	292	291
75°	141	145	132	156	141	151
85°	30	33	24	30	30	35
90°	0	13	0	13	0	4
95°	27	17	27	17	27	32
105°	130	19	130	19	130	138
115°	244	257	244	257	244	241
125°	344	351	344	351	344	307
135°	428	433	428	433	428	330
145°	494	499	494	499	494	309
155°	544	544	544	544	544	251
165°	574	573	574	573	574	162
175°	588	586	588	586	588	56
180°	588	588	588	588	588	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1047.4	1055.5	1059.5	1065.6	1071.7	1080.8	1083.8	1088.9	1086.8	1090.9	1092.9
5°	1043.3	1057.5	1069.6	1084.8	1099.0	1109.1	1119.2	1135.4	1147.6	1149.6	1158.7
7.5°	1036.2	1056.5	1077.7	1099.0	1126.3	1142.5	1160.7	1183.0	1201.2	1230.5	1241.7
10°	1027.1	1055.5	1085.8	1115.2	1152.6	1177.9	1200.2	1237.6	1275.1	1305.4	1333.8
12.5°	1013.0	1048.4	1087.9	1131.4	1179.9	1209.3	1239.7	1289.2	1345.9	1392.5	1422.8
15°	995.8	1040.3	1090.9	1137.4	1191.1	1245.7	1278.1	1333.8	1414.7	1458.2	1536.2
17.5°	981.6	1027.1	1077.7	1150.6	1223.5	1278.1	1301.4	1403.6	1459.2	1532.1	1620.2
20°	959.3	1017.0	1081.8	1154.6	1248.8	1282.2	1329.7	1432.9	1501.8	1596.9	1705.2
22.5°	936.1	997.8	1075.7	1151.6	1256.9	1292.3	1357.0	1439.0	1548.3	1642.4	1761.8
25°	910.8	977.6	1056.5	1146.6	1249.8	1301.4	1362.1	1463.3	1581.7	1700.1	1810.4
27.5°	885.5	958.3	1040.3	1130.4	1230.5	1291.3	1352.0	1457.2	1609.0	1737.5	1878.2
30°	861.2	934.0	1016.0	1108.1	1213.3	1272.0	1329.7	1461.3	1630.3	1775.0	1916.7
32.5°	834.9	909.8	995.8	1072.7	1178.9	1241.7	1306.4	1461.3	1643.4	1797.2	1926.8
35°	803.5	880.4	954.3	1031.2	1136.4	1206.3	1279.1	1451.2	1655.6	1804.3	1884.3
37.5°	773.1	840.9	904.7	979.6	1089.9	1164.8	1248.8	1439.0	1649.5	1774.0	1796.2
40°	738.7	806.5	858.1	928.0	1044.3	1131.4	1216.4	1422.8	1623.2	1702.1	1637.4
42.5°	705.3	759.0	803.5	871.3	997.8	1082.8	1174.9	1393.5	1571.6	1587.8	1442.0
45°	666.9	705.3	744.8	821.7	947.2	1034.2	1136.4	1351.0	1488.6	1442.0	1257.9
47.5°	617.3	651.7	695.2	766.1	893.6	983.6	1080.8	1296.3	1368.2	1271.0	1069.6
50°	569.7	599.1	639.6	708.4	836.9	924.9	1028.2	1210.3	1245.7	1092.9	921.9
52.5°	522.2	544.4	583.9	652.7	781.2	866.2	960.4	1122.3	1102.0	938.1	786.3
55°	472.6	491.8	529.3	597.1	716.5	797.4	887.5	1014.0	961.4	805.5	684.1
57.5°	424.0	444.3	482.7	539.4	651.7	730.6	802.5	901.7	822.7	698.3	591.0
60°	380.5	397.7	427.0	482.7	584.9	648.7	714.4	782.2	716.5	596.0	514.1
62.5°	335.0	351.2	378.5	429.1	517.1	573.8	626.4	682.1	609.2	521.2	448.3
65°	292.5	305.6	330.9	377.5	449.3	495.9	538.4	576.8	518.1	437.2	382.5
67.5°	254.0	265.1	286.4	327.9	388.6	422.0	456.4	488.8	439.2	374.4	327.9
70°	212.5	221.6	240.8	271.2	319.8	354.2	379.5	403.8	359.2	307.6	276.3
72.5°	176.1	185.2	197.3	228.7	262.1	283.3	310.7	323.8	298.5	256.0	224.7
75°	140.7	147.7	158.9	179.1	210.5	224.7	241.9	252.0	228.7	200.4	181.1
77.5°	110.3	113.3	121.4	135.6	156.9	173.0	186.2	192.3	176.1	157.9	141.7
80°	77.9	82.0	88.0	100.2	116.4	121.4	129.5	136.6	126.5	110.3	100.2
82.5°	51.6	56.7	59.7	64.8	74.9	81.0	83.0	89.1	79.9	73.9	69.8
85°	30.4	32.4	33.4	36.4	41.5	44.5	47.6	48.6	46.6	45.5	41.5
87.5°	15.2	15.2	15.2	17.2	18.2	20.2	21.3	21.3	21.3	20.2	19.2
90°	0.4	1.4	2.4	3.3	4.3	4.8	5.4	6.7	8.0	9.2	10.5
92.5°	10.0	9.4	8.8	8.3	7.7	7.4	7.8	8.7	9.6	10.5	11.4
95°	26.6	22.6	18.6	14.7	10.7	8.7	9.2	10.3	11.4	12.4	13.5
97.5°	48.5	45.8	43.0	40.3	37.6	36.2	33.7	28.8	23.9	18.9	14.0
100°	73.8	75.7	77.7	79.6	81.5	82.5	74.9	59.8	44.7	29.5	14.4
102.5°	102.6	103.9	105.1	106.4	107.7	108.3	99.9	83.0	66.1	49.2	32.3
105°	130.1	131.2	132.2	133.3	134.4	134.9	130.5	121.8	113.1	104.3	95.6
107.5°	159.4	160.3	161.1	162.0	162.9	163.3	164.0	165.5	167.0	168.4	169.9
110°	188.6	189.4	190.2	190.9	191.7	192.1	192.6	193.7	194.8	195.8	196.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	216.6	217.3	217.9	218.6	219.3	219.6	220.1	221.2	222.3	223.3	224.4
115°	244.1	244.7	245.3	245.8	246.4	246.7	247.1	248.0	248.9	249.7	250.6
117.5°	271.2	271.9	272.5	273.2	273.9	274.2	274.4	274.9	275.4	275.9	276.4
120°	296.1	297.0	297.8	298.7	299.6	300.0	300.1	300.4	300.7	301.0	301.3
122.5°	321.4	322.1	322.7	323.4	324.1	324.4	324.6	325.0	325.4	325.8	326.2
125°	344.1	344.9	345.7	346.4	347.2	347.6	347.8	348.2	348.5	348.9	349.3
127.5°	366.8	367.6	368.4	369.1	369.9	370.3	370.5	371.0	371.5	372.0	372.5
130°	387.8	388.6	389.4	390.1	390.9	391.3	391.5	391.9	392.2	392.6	393.0
132.5°	407.8	408.6	409.4	410.1	410.9	411.3	411.5	411.8	412.1	412.4	412.7
135°	428.4	429.0	429.6	430.1	430.7	431.0	431.2	431.6	431.9	432.3	432.7
137.5°	445.8	446.6	447.4	448.1	448.9	449.3	449.4	449.6	449.8	450.0	450.2
140°	463.3	463.9	464.5	465.0	465.6	465.9	466.0	466.3	466.6	466.9	467.2
142.5°	479.5	480.1	480.7	481.2	481.8	482.1	482.2	482.5	482.8	483.1	483.4
145°	494.3	495.0	495.7	496.4	497.1	497.4	497.5	497.7	497.8	498.0	498.2
147.5°	508.7	509.2	509.7	510.2	510.7	510.9	511.0	511.2	511.4	511.6	511.8
150°	521.8	522.1	522.4	522.7	523.0	523.1	523.2	523.4	523.6	523.8	524.0
152.5°	533.6	533.7	533.8	533.9	534.0	534.0	534.1	534.2	534.3	534.4	534.5
155°	544.5	544.3	544.1	544.0	543.8	543.7	543.7	543.8	543.9	544.0	544.1
157.5°	553.3	553.3	553.3	553.3	553.3	553.3	553.2	553.1	553.0	552.9	552.8
160°	561.1	561.0	560.9	560.8	560.7	560.7	560.6	560.5	560.4	560.3	560.2
162.5°	568.5	568.2	567.9	567.6	567.3	567.2	567.2	567.1	567.0	566.9	566.8
165°	574.2	573.9	573.6	573.3	573.0	572.9	572.9	572.8	572.7	572.6	572.5
167.5°	579.0	578.6	578.2	577.9	577.5	577.3	577.3	577.3	577.3	577.3	577.3
170°	583.0	582.6	582.2	581.8	581.4	581.2	581.2	581.2	581.2	581.2	581.2
172.5°	585.6	585.1	584.6	584.1	583.6	583.4	583.4	583.5	583.6	583.7	583.8
175°	587.8	587.3	586.8	586.3	585.8	585.6	585.6	585.7	585.8	585.9	586.0
177.5°	588.6	588.1	587.6	587.1	586.6	586.4	586.5	586.6	586.7	586.8	586.9
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1100.0	1102.0	1109.1	1114.2	1124.3	1123.3	1123.3	1122.3	1119.2	1124.3	1127.3
5°	1176.9	1194.1	1196.1	1218.4	1219.4	1228.5	1234.6	1229.5	1241.7	1240.7	1231.6
7.5°	1272.0	1295.3	1306.4	1327.7	1352.0	1345.9	1369.2	1373.2	1371.2	1381.3	1388.4
10°	1376.3	1416.7	1445.1	1484.5	1494.7	1500.7	1515.9	1529.1	1555.4	1535.1	1548.3
12.5°	1495.7	1525.0	1562.5	1625.2	1656.6	1676.8	1683.9	1693.0	1711.2	1700.1	1701.1
15°	1595.9	1635.3	1699.1	1777.0	1786.1	1811.4	1805.3	1860.0	1886.3	1846.8	1869.1
17.5°	1700.1	1752.7	1828.6	1896.4	1934.9	1952.1	1968.3	2020.9	2018.9	2012.8	2017.9
20°	1766.9	1852.9	1947.0	2037.1	2048.2	2061.4	2104.9	2127.1	2123.1	2140.3	2151.4
22.5°	1861.0	1952.1	2052.3	2112.0	2137.3	2152.4	2186.8	2201.0	2207.1	2211.1	2204.1
25°	1939.9	2037.1	2111.0	2163.6	2178.8	2186.8	2198.0	2202.0	2199.0	2191.9	2198.0
27.5°	1993.6	2071.5	2122.1	2146.4	2138.3	2125.1	2103.9	2089.7	2058.3	2043.2	2061.4
30°	2015.8	2050.2	2065.4	2024.9	1984.5	1952.1	1911.6	1836.7	1778.0	1795.2	1771.9
32.5°	1980.4	1958.1	1885.3	1781.1	1749.7	1697.1	1582.7	1494.7	1497.7	1451.2	1470.4
35°	1876.2	1775.0	1637.4	1479.5	1438.0	1409.7	1284.2	1265.0	1224.5	1181.0	1193.1
37.5°	1692.0	1544.3	1377.3	1260.9	1199.2	1137.4	1066.6	1024.1	999.8	981.6	995.8
40°	1467.3	1287.2	1149.6	1045.4	992.7	953.3	904.7	862.2	834.9	831.8	836.9
42.5°	1246.7	1094.9	968.4	869.3	852.1	805.5	774.2	740.8	732.7	719.5	726.6
45°	1055.5	932.0	827.8	746.8	726.6	714.4	676.0	654.7	645.6	637.5	649.7
47.5°	916.8	787.3	711.4	662.8	642.6	622.4	601.1	586.9	579.9	580.9	579.9
50°	783.3	688.1	621.3	583.9	571.8	557.6	540.4	531.3	528.2	519.1	526.2
52.5°	674.0	605.2	558.6	523.2	514.1	504.0	489.8	484.7	477.6	475.6	475.6
55°	585.9	532.3	494.8	471.6	460.4	452.3	444.3	438.2	433.1	433.1	433.1
57.5°	517.1	470.6	443.2	423.0	419.0	410.9	401.7	401.7	394.7	393.7	396.7
60°	458.4	416.9	395.7	378.5	372.4	370.4	361.3	361.3	359.2	354.2	358.2
62.5°	398.7	368.4	350.1	337.0	330.9	330.9	323.8	318.8	318.8	319.8	317.8
65°	344.1	321.8	305.6	295.5	292.5	288.4	287.4	283.3	280.3	281.3	280.3
67.5°	295.5	278.3	267.2	259.1	254.0	252.0	248.9	248.9	246.9	247.9	242.9
70°	252.0	234.8	225.7	217.6	215.5	215.5	211.5	212.5	210.5	213.5	211.5
72.5°	207.5	194.3	187.2	184.2	182.2	181.1	179.1	177.1	176.1	178.1	177.1
75°	168.0	156.9	151.8	149.8	147.7	147.7	146.7	145.7	144.7	144.7	144.7
77.5°	130.5	123.5	117.4	119.4	116.4	117.4	114.4	114.4	115.4	114.4	114.4
80°	96.1	91.1	91.1	89.1	85.0	87.0	87.0	84.0	83.0	85.0	82.0
82.5°	63.8	62.7	60.7	59.7	57.7	58.7	57.7	56.7	55.7	57.7	55.7
85°	37.4	37.4	36.4	34.4	36.4	35.4	34.4	34.4	33.4	33.4	33.4
87.5°	19.2	17.2	17.2	16.2	17.2	15.2	16.2	15.2	14.2	15.2	14.2
90°	10.9	11.3	11.6	12.0	12.2	12.3	12.5	12.7	12.9	13.1	12.9
92.5°	12.1	12.7	13.4	14.1	14.4	14.4	14.5	14.6	14.7	14.8	14.7
95°	14.2	14.9	15.6	16.3	16.6	16.6	16.6	16.6	16.6	16.6	16.6
97.5°	14.8	15.6	16.3	17.1	17.5	17.5	17.6	17.7	17.8	17.9	17.8
100°	15.2	16.0	16.7	17.5	17.9	17.9	18.0	18.1	18.2	18.3	18.2
102.5°	29.1	25.9	22.7	19.5	17.9	18.0	18.2	18.4	18.6	18.8	18.6
105°	78.4	61.2	44.1	26.9	18.3	18.4	18.6	18.8	19.0	19.2	19.0
107.5°	154.9	140.0	125.0	110.1	102.6	96.2	83.5	70.8	58.1	45.4	58.1
110°	193.7	190.5	187.3	184.1	182.5	175.6	161.7	147.8	134.0	120.1	134.0

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	225.3	226.2	227.1	228.0	228.4	228.3	228.1	227.9	227.7	227.5	227.7
115°	251.6	252.6	253.5	254.5	255.0	255.2	255.6	256.0	256.4	256.8	256.4
117.5°	277.2	278.0	278.7	279.5	279.9	279.9	280.0	280.1	280.2	280.3	280.2
120°	302.1	302.9	303.6	304.4	304.8	304.8	304.8	304.8	304.8	304.8	304.8
122.5°	326.7	327.2	327.7	328.2	328.4	328.4	328.5	328.6	328.7	328.8	328.7
125°	349.5	349.7	349.9	350.1	350.2	350.3	350.5	350.7	350.9	351.1	350.9
127.5°	372.8	373.1	373.4	373.7	373.8	373.7	373.5	373.3	373.1	372.9	373.1
130°	393.4	393.8	394.1	394.5	394.7	394.6	394.4	394.3	394.1	393.9	394.1
132.5°	413.1	413.5	413.8	414.2	414.4	414.3	414.0	413.7	413.4	413.1	413.4
135°	433.0	433.3	433.6	433.9	434.0	433.9	433.6	433.3	433.0	432.7	433.0
137.5°	450.7	451.2	451.7	452.2	452.4	452.3	452.1	451.9	451.7	451.5	451.7
140°	467.6	468.0	468.4	468.8	469.0	468.9	468.7	468.5	468.3	468.1	468.3
142.5°	483.7	484.0	484.3	484.6	484.7	484.6	484.3	484.0	483.7	483.4	483.7
145°	498.4	498.6	498.8	499.0	499.1	499.1	499.1	499.1	499.1	499.1	499.1
147.5°	512.0	512.2	512.3	512.5	512.6	512.4	511.9	511.4	511.0	510.5	511.0
150°	524.2	524.4	524.6	524.8	524.9	524.8	524.5	524.2	523.9	523.6	523.9
152.5°	534.9	535.3	535.6	536.0	536.2	536.0	535.5	535.0	534.5	534.0	534.5
155°	544.6	545.1	545.6	546.1	546.3	546.0	545.4	544.9	544.3	543.7	544.3
157.5°	553.4	554.0	554.5	555.1	555.4	555.0	554.2	553.5	552.7	551.9	552.7
160°	560.8	561.4	562.0	562.6	562.9	562.6	561.9	561.2	560.5	559.8	560.5
162.5°	567.5	568.2	568.9	569.6	569.9	569.6	569.0	568.4	567.8	567.2	567.8
165°	573.3	574.1	574.8	575.6	576.0	575.7	575.0	574.3	573.6	572.9	573.6
167.5°	578.1	578.9	579.6	580.4	580.8	580.4	579.6	578.9	578.1	577.3	578.1
170°	582.0	582.8	583.5	584.3	584.7	584.3	583.5	582.8	582.0	581.2	582.0
172.5°	584.6	585.4	586.1	586.9	587.3	586.9	586.0	585.1	584.3	583.4	584.3
175°	586.7	587.4	588.1	588.8	589.1	588.7	587.9	587.2	586.4	585.6	586.4
177.5°	587.7	588.5	589.2	590.0	590.4	589.9	588.9	588.0	587.0	586.0	587.0
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1119.2	1122.3	1114.2	1112.1	1112.1	1116.2	1113.2	1085.8	1090.9	1084.8	1082.8
5°	1242.7	1236.6	1228.5	1224.5	1219.4	1205.2	1204.2	1172.9	1166.8	1146.6	1137.4
7.5°	1378.3	1373.2	1348.9	1345.9	1343.9	1330.7	1297.3	1263.9	1239.7	1216.4	1194.1
10°	1533.1	1517.9	1506.8	1484.5	1473.4	1455.2	1411.7	1380.3	1338.8	1303.4	1256.9
12.5°	1719.3	1702.1	1664.7	1648.5	1634.3	1583.7	1540.2	1504.8	1423.8	1399.5	1341.9
15°	1855.9	1819.5	1815.5	1780.0	1778.0	1722.4	1639.4	1600.9	1538.2	1449.1	1389.4
17.5°	2003.7	1971.3	1946.0	1903.5	1897.4	1844.8	1784.1	1690.0	1621.2	1536.2	1460.3
20°	2112.0	2094.8	2051.2	2034.0	1998.6	1954.1	1891.4	1775.0	1691.0	1606.0	1512.9
22.5°	2198.0	2180.8	2146.4	2123.1	2102.9	2045.2	1970.3	1871.1	1755.8	1644.4	1548.3
25°	2197.0	2191.9	2177.7	2166.6	2151.4	2108.9	2046.2	1951.1	1822.5	1700.1	1566.5
27.5°	2072.5	2086.7	2111.0	2123.1	2120.1	2114.0	2078.6	1998.6	1883.3	1737.5	1587.8
30°	1813.4	1865.0	1910.6	1971.3	1989.5	2034.0	2054.3	2008.7	1916.7	1781.1	1615.1
32.5°	1503.8	1578.7	1677.8	1711.2	1768.9	1854.9	1951.1	1968.3	1910.6	1806.4	1632.3
35°	1233.6	1295.3	1372.2	1424.8	1476.5	1616.1	1737.5	1842.8	1862.0	1793.2	1628.2
37.5°	1021.1	1064.6	1132.4	1176.9	1224.5	1343.9	1513.9	1650.5	1746.6	1748.7	1617.1
40°	867.3	886.5	945.2	977.6	1023.1	1126.3	1278.1	1456.2	1596.9	1661.6	1587.8
42.5°	734.7	760.0	808.6	832.8	862.2	952.3	1052.4	1221.4	1395.5	1534.1	1533.1
45°	655.8	674.0	696.2	716.5	749.9	803.5	917.8	1044.3	1211.3	1368.2	1429.9
47.5°	585.9	603.1	625.4	631.5	653.7	704.3	774.2	884.5	1040.3	1196.1	1312.5
50°	527.2	541.4	556.6	567.7	577.8	619.3	671.9	765.0	889.5	1040.3	1185.0
52.5°	481.7	491.8	505.0	511.0	520.1	550.5	591.0	659.8	762.0	899.6	1040.3
55°	439.2	446.3	454.4	464.5	468.5	490.8	522.2	580.9	656.8	780.2	913.8
57.5°	399.7	402.8	407.8	413.9	419.0	438.2	465.5	505.0	571.8	666.9	793.4
60°	355.2	363.3	366.3	372.4	375.4	390.6	411.9	445.3	496.9	578.8	674.0
62.5°	317.8	322.8	327.9	330.9	338.0	343.1	360.3	390.6	433.1	493.8	579.9
65°	284.4	286.4	289.4	292.5	294.5	300.6	316.7	337.0	369.4	423.0	489.8
67.5°	245.9	247.9	252.0	253.0	255.0	263.1	272.2	289.4	316.7	357.2	411.9
70°	208.5	211.5	213.5	215.5	218.6	221.6	231.7	245.9	267.2	295.5	338.0
72.5°	176.1	179.1	179.1	181.1	180.1	184.2	194.3	204.4	218.6	241.9	279.3
75°	143.7	143.7	145.7	146.7	147.7	151.8	155.8	163.9	175.1	193.3	216.6
77.5°	113.3	112.3	114.4	114.4	114.4	117.4	121.4	125.5	132.6	145.7	163.9
80°	83.0	83.0	85.0	86.0	84.0	85.0	87.0	91.1	96.1	105.2	115.4
82.5°	54.6	58.7	57.7	58.7	57.7	59.7	60.7	61.7	63.8	67.8	74.9
85°	33.4	33.4	33.4	34.4	33.4	34.4	34.4	34.4	35.4	37.4	40.5
87.5°	14.2	14.2	14.2	15.2	14.2	14.2	15.2	14.2	15.2	15.2	16.2
90°	12.7	12.5	12.3	12.2	12.0	11.6	11.3	10.9	10.5	9.2	8.0
92.5°	14.6	14.5	14.4	14.4	14.1	13.4	12.7	12.1	11.4	10.5	9.6
95°	16.6	16.6	16.6	16.6	16.3	15.6	14.9	14.2	13.5	12.4	11.4
97.5°	17.7	17.6	17.5	17.5	17.1	16.3	15.6	14.8	14.0	18.9	23.9
100°	18.1	18.0	17.9	17.9	17.5	16.7	16.0	15.2	14.4	29.5	44.7
102.5°	18.4	18.2	18.0	17.9	19.5	22.7	25.9	29.1	32.3	49.2	66.1
105°	18.8	18.6	18.4	18.3	26.9	44.1	61.2	78.4	95.6	104.3	113.1
107.5°	70.8	83.5	96.2	102.6	110.1	125.0	140.0	154.9	169.9	168.4	167.0
110°	147.8	161.7	175.6	182.5	184.1	187.3	190.5	193.7	196.9	195.8	194.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	227.9	228.1	228.3	228.4	228.0	227.1	226.2	225.3	224.4	223.3	222.3
115°	256.0	255.6	255.2	255.0	254.5	253.5	252.6	251.6	250.6	249.7	248.9
117.5°	280.1	280.0	279.9	279.9	279.5	278.7	278.0	277.2	276.4	275.9	275.4
120°	304.8	304.8	304.8	304.8	304.4	303.6	302.9	302.1	301.3	301.0	300.7
122.5°	328.6	328.5	328.4	328.4	328.2	327.7	327.2	326.7	326.2	325.8	325.4
125°	350.7	350.5	350.3	350.2	350.1	349.9	349.7	349.5	349.3	348.9	348.5
127.5°	373.3	373.5	373.7	373.8	373.7	373.4	373.1	372.8	372.5	372.0	371.5
130°	394.3	394.4	394.6	394.7	394.5	394.1	393.8	393.4	393.0	392.6	392.2
132.5°	413.7	414.0	414.3	414.4	414.2	413.8	413.5	413.1	412.7	412.4	412.1
135°	433.3	433.6	433.9	434.0	433.9	433.6	433.3	433.0	432.7	432.3	431.9
137.5°	451.9	452.1	452.3	452.4	452.2	451.7	451.2	450.7	450.2	450.0	449.8
140°	468.5	468.7	468.9	469.0	468.8	468.4	468.0	467.6	467.2	466.9	466.6
142.5°	484.0	484.3	484.6	484.7	484.6	484.3	484.0	483.7	483.4	483.1	482.8
145°	499.1	499.1	499.1	499.1	499.0	498.8	498.6	498.4	498.2	498.0	497.8
147.5°	511.4	511.9	512.4	512.6	512.5	512.3	512.2	512.0	511.8	511.6	511.4
150°	524.2	524.5	524.8	524.9	524.8	524.6	524.4	524.2	524.0	523.8	523.6
152.5°	535.0	535.5	536.0	536.2	536.0	535.6	535.3	534.9	534.5	534.4	534.3
155°	544.9	545.4	546.0	546.3	546.1	545.6	545.1	544.6	544.1	544.0	543.9
157.5°	553.5	554.2	555.0	555.4	555.1	554.5	554.0	553.4	552.8	552.9	553.0
160°	561.2	561.9	562.6	562.9	562.6	562.0	561.4	560.8	560.2	560.3	560.4
162.5°	568.4	569.0	569.6	569.9	569.6	568.9	568.2	567.5	566.8	566.9	567.0
165°	574.3	575.0	575.7	576.0	575.6	574.8	574.1	573.3	572.5	572.6	572.7
167.5°	578.9	579.6	580.4	580.8	580.4	579.6	578.9	578.1	577.3	577.3	577.3
170°	582.8	583.5	584.3	584.7	584.3	583.5	582.8	582.0	581.2	581.2	581.2
172.5°	585.1	586.0	586.9	587.3	586.9	586.1	585.4	584.6	583.8	583.7	583.6
175°	587.2	587.9	588.7	589.1	588.8	588.1	587.4	586.7	586.0	585.9	585.8
177.5°	588.0	588.9	589.9	590.4	590.0	589.2	588.5	587.7	586.9	586.8	586.7
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1072.7	1069.6	1069.6	1067.6	1061.5	1050.4	1049.4	1051.4	1045.4	1039.3	1030.2
5°	1125.3	1106.1	1100.0	1093.9	1081.8	1061.5	1053.5	1046.4	1035.2	1022.1	1007.9
7.5°	1169.8	1142.5	1134.4	1123.3	1099.0	1070.7	1052.4	1037.3	1022.1	1003.9	986.7
10°	1225.5	1186.0	1166.8	1150.6	1117.2	1077.7	1050.4	1028.2	1003.9	981.6	959.3
12.5°	1288.2	1224.5	1218.4	1178.9	1140.5	1081.8	1048.4	1016.0	983.6	956.3	933.0
15°	1340.8	1271.0	1245.7	1219.4	1145.5	1072.7	1040.3	1003.9	966.4	937.1	902.7
17.5°	1374.2	1316.6	1262.9	1227.5	1150.6	1085.8	1023.1	981.6	942.1	901.7	873.3
20°	1414.7	1330.7	1284.2	1236.6	1160.7	1075.7	1013.0	961.4	912.8	876.4	842.0
22.5°	1455.2	1341.9	1303.4	1251.8	1162.7	1065.6	994.8	943.1	887.5	851.1	813.6
25°	1451.2	1358.1	1294.3	1250.8	1142.5	1056.5	973.5	912.8	861.2	814.6	777.2
27.5°	1454.2	1339.8	1275.1	1224.5	1128.3	1043.3	951.2	887.5	833.9	785.3	745.8
30°	1455.2	1312.5	1255.8	1195.1	1102.0	1012.0	925.9	861.2	804.5	751.9	716.5
32.5°	1452.2	1290.3	1219.4	1164.8	1060.5	981.6	896.6	827.8	770.1	721.5	688.1
35°	1445.1	1263.9	1182.0	1113.2	1018.0	938.1	869.3	798.4	736.7	692.2	653.7
37.5°	1425.9	1235.6	1142.5	1074.7	968.4	887.5	826.8	768.1	708.4	655.8	623.4
40°	1411.7	1197.2	1103.0	1029.2	914.8	835.9	785.3	729.6	670.9	623.4	592.0
42.5°	1379.3	1160.7	1062.6	974.5	862.2	781.2	733.7	689.1	638.5	592.0	563.7
45°	1326.7	1121.3	1013.0	923.9	804.5	727.6	684.1	647.7	603.1	558.6	530.3
47.5°	1252.8	1064.6	960.4	871.3	747.8	669.9	626.4	599.1	563.7	526.2	501.9
50°	1172.9	1002.9	906.7	818.7	693.2	617.3	574.8	549.5	526.2	491.8	468.5
52.5°	1068.6	937.1	845.0	761.0	634.5	561.6	524.2	506.0	481.7	457.4	437.2
55°	967.4	852.1	776.2	696.2	576.8	509.0	472.6	453.4	439.2	419.0	402.8
57.5°	850.0	773.1	703.3	630.5	523.2	461.5	427.0	403.8	394.7	385.6	370.4
60°	741.8	683.1	626.4	565.7	467.5	411.9	378.5	360.3	351.2	345.1	335.0
62.5°	642.6	597.1	548.5	499.9	410.9	360.3	335.0	316.7	308.6	307.6	298.5
65°	547.5	515.1	475.6	428.1	358.2	313.7	289.4	278.3	269.2	269.2	262.1
67.5°	452.3	430.1	398.7	365.3	310.7	269.2	246.9	236.8	231.7	231.7	226.7
70°	376.4	361.3	332.9	303.6	256.0	224.7	207.5	198.3	195.3	196.3	192.3
72.5°	305.6	289.4	266.1	244.9	209.5	186.2	174.1	163.9	158.9	159.9	158.9
75°	236.8	228.7	208.5	192.3	163.9	147.7	136.6	131.6	127.5	128.5	126.5
77.5°	178.1	166.0	154.8	143.7	126.5	113.3	104.2	99.2	96.1	96.1	96.1
80°	121.4	119.4	110.3	104.2	90.1	79.9	72.9	71.8	68.8	68.8	68.8
82.5°	78.9	73.9	68.8	64.8	56.7	50.6	47.6	45.5	44.5	43.5	45.5
85°	43.5	40.5	38.5	34.4	31.4	28.3	25.3	24.3	23.3	24.3	23.3
87.5°	17.2	14.2	14.2	13.2	12.1	11.1	11.1	9.1	9.1	8.1	8.1
90°	6.7	5.4	4.8	4.3	3.3	2.4	1.4	0.4	1.4	2.4	3.3
92.5°	8.7	7.8	7.4	7.7	8.3	8.8	9.4	10.0	9.4	8.8	8.3
95°	10.3	9.2	8.7	10.7	14.7	18.6	22.6	26.6	22.6	18.6	14.7
97.5°	28.8	33.7	36.2	37.6	40.3	43.0	45.8	48.5	45.8	43.0	40.3
100°	59.8	74.9	82.5	81.5	79.6	77.7	75.7	73.8	75.7	77.7	79.6
102.5°	83.0	99.9	108.3	107.7	106.4	105.1	103.9	102.6	103.9	105.1	106.4
105°	121.8	130.5	134.9	134.4	133.3	132.2	131.2	130.1	131.2	132.2	133.3
107.5°	165.5	164.0	163.3	162.9	162.0	161.1	160.3	159.4	160.3	161.1	162.0
110°	193.7	192.6	192.1	191.7	190.9	190.2	189.4	188.6	189.4	190.2	190.9

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	221.2	220.1	219.6	219.3	218.6	217.9	217.3	216.6	217.3	217.9	218.6
115°	248.0	247.1	246.7	246.4	245.8	245.3	244.7	244.1	244.7	245.3	245.8
117.5°	274.9	274.4	274.2	273.9	273.2	272.5	271.9	271.2	271.9	272.5	273.2
120°	300.4	300.1	300.0	299.6	298.7	297.8	297.0	296.1	297.0	297.8	298.7
122.5°	325.0	324.6	324.4	324.1	323.4	322.7	322.1	321.4	322.1	322.7	323.4
125°	348.2	347.8	347.6	347.2	346.4	345.7	344.9	344.1	344.9	345.7	346.4
127.5°	371.0	370.5	370.3	369.9	369.1	368.4	367.6	366.8	367.6	368.4	369.1
130°	391.9	391.5	391.3	390.9	390.1	389.4	388.6	387.8	388.6	389.4	390.1
132.5°	411.8	411.5	411.3	410.9	410.1	409.4	408.6	407.8	408.6	409.4	410.1
135°	431.6	431.2	431.0	430.7	430.1	429.6	429.0	428.4	429.0	429.6	430.1
137.5°	449.6	449.4	449.3	448.9	448.1	447.4	446.6	445.8	446.6	447.4	448.1
140°	466.3	466.0	465.9	465.6	465.0	464.5	463.9	463.3	463.9	464.5	465.0
142.5°	482.5	482.2	482.1	481.8	481.2	480.7	480.1	479.5	480.1	480.7	481.2
145°	497.7	497.5	497.4	497.1	496.4	495.7	495.0	494.3	495.0	495.7	496.4
147.5°	511.2	511.0	510.9	510.7	510.2	509.7	509.2	508.7	509.2	509.7	510.2
150°	523.4	523.2	523.1	523.0	522.7	522.4	522.1	521.8	522.1	522.4	522.7
152.5°	534.2	534.1	534.0	534.0	533.9	533.8	533.7	533.6	533.7	533.8	533.9
155°	543.8	543.7	543.7	543.8	544.0	544.1	544.3	544.5	544.3	544.1	544.0
157.5°	553.1	553.2	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3	553.3
160°	560.5	560.6	560.7	560.7	560.8	560.9	561.0	561.1	561.0	560.9	560.8
162.5°	567.1	567.2	567.2	567.3	567.6	567.9	568.2	568.5	568.2	567.9	567.6
165°	572.8	572.9	572.9	573.0	573.3	573.6	573.9	574.2	573.9	573.6	573.3
167.5°	577.3	577.3	577.3	577.5	577.9	578.2	578.6	579.0	578.6	578.2	577.9
170°	581.2	581.2	581.2	581.4	581.8	582.2	582.6	583.0	582.6	582.2	581.8
172.5°	583.5	583.4	583.4	583.6	584.1	584.6	585.1	585.6	585.1	584.6	584.1
175°	585.7	585.6	585.6	585.8	586.3	586.8	587.3	587.8	587.3	586.8	586.3
177.5°	586.6	586.5	586.4	586.6	587.1	587.6	588.1	588.6	588.1	587.6	587.1
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1028.2	1027.1	1029.2	1023.1	1013.0	1007.9	993.7	990.7	989.7	990.7	991.7
5°	999.8	998.8	995.8	985.7	973.5	964.4	947.2	946.2	940.1	934.0	937.1
7.5°	972.5	968.4	962.4	949.2	933.0	922.9	908.7	898.6	890.5	885.5	881.4
10°	945.2	939.1	933.0	915.8	895.6	880.4	863.2	855.1	846.0	842.0	837.9
12.5°	909.8	903.7	892.6	872.3	860.2	840.9	823.7	815.6	810.6	802.5	797.4
15°	881.4	869.3	863.2	842.0	816.7	814.6	783.3	781.2	771.1	771.1	763.0
17.5°	849.0	839.9	828.8	807.5	789.3	771.1	754.9	748.9	739.7	737.7	733.7
20°	817.7	805.5	801.5	780.2	761.0	738.7	721.5	715.5	711.4	707.4	710.4
22.5°	785.3	775.2	765.0	745.8	731.6	709.4	699.3	693.2	687.1	685.1	686.1
25°	753.9	744.8	734.7	715.5	700.3	682.1	673.0	669.9	666.9	666.9	665.9
27.5°	723.6	714.4	705.3	688.1	673.0	659.8	652.7	649.7	646.6	648.7	650.7
30°	692.2	684.1	676.0	660.8	648.7	636.5	632.5	630.5	629.4	634.5	634.5
32.5°	663.8	656.8	650.7	636.5	624.4	614.3	611.2	612.2	613.2	616.3	618.3
35°	634.5	629.4	623.4	611.2	601.1	592.0	593.0	593.0	595.0	600.1	604.1
37.5°	608.2	601.1	596.0	585.9	577.8	569.7	572.8	575.8	577.8	583.9	585.9
40°	576.8	573.8	569.7	559.6	552.5	551.5	552.5	554.6	558.6	561.6	564.7
42.5°	551.5	547.5	542.4	534.3	528.2	529.3	530.3	532.3	534.3	539.4	542.4
45°	523.2	520.1	516.1	509.0	504.0	505.0	506.0	506.0	508.0	514.1	516.1
47.5°	491.8	492.8	487.8	480.7	477.6	477.6	477.6	479.7	484.7	486.8	487.8
50°	461.5	459.4	458.4	451.3	449.3	448.3	449.3	450.3	457.4	456.4	459.4
52.5°	429.1	429.1	428.1	424.0	421.0	421.0	419.0	424.0	426.0	428.1	431.1
55°	397.7	394.7	393.7	391.6	387.6	386.6	388.6	394.7	396.7	398.7	401.7
57.5°	363.3	363.3	361.3	358.2	358.2	358.2	358.2	362.3	365.3	367.3	373.4
60°	331.9	327.9	324.8	324.8	324.8	323.8	329.9	329.9	336.0	337.0	339.0
62.5°	294.5	292.5	290.4	291.4	290.4	292.5	294.5	298.5	299.5	302.6	305.6
65°	259.1	259.1	257.0	263.1	259.1	259.1	264.1	264.1	266.1	269.2	273.2
67.5°	224.7	225.7	223.6	223.6	225.7	226.7	227.7	231.7	232.8	236.8	241.9
70°	189.2	191.3	192.3	190.2	192.3	194.3	196.3	197.3	201.4	203.4	206.4
72.5°	157.9	159.9	156.9	157.9	158.9	160.9	161.9	163.9	166.0	172.0	174.1
75°	126.5	125.5	124.5	128.5	126.5	130.5	131.6	131.6	133.6	138.6	140.7
77.5°	97.1	97.1	98.2	96.1	99.2	98.2	99.2	102.2	105.2	105.2	113.3
80°	67.8	69.8	69.8	69.8	70.8	71.8	69.8	74.9	75.9	75.9	78.9
82.5°	43.5	44.5	43.5	45.5	45.5	47.6	46.6	47.6	49.6	51.6	52.6
85°	23.3	23.3	25.3	25.3	24.3	25.3	24.3	25.3	27.3	27.3	28.3
87.5°	8.1	8.1	8.1	8.1	9.1	8.1	9.1	9.1	8.1	8.1	11.1
90°	4.3	4.8	5.4	6.7	8.0	9.2	10.5	10.9	11.3	11.6	12.0
92.5°	7.7	7.4	7.8	8.7	9.6	10.5	11.4	12.1	12.7	13.4	14.1
95°	10.7	8.7	9.2	10.3	11.4	12.4	13.5	14.2	14.9	15.6	16.3
97.5°	37.6	36.2	33.7	28.8	23.9	18.9	14.0	14.8	15.6	16.3	17.1
100°	81.5	82.5	74.9	59.8	44.7	29.5	14.4	15.2	16.0	16.7	17.5
102.5°	107.7	108.3	99.9	83.0	66.1	49.2	32.3	29.1	25.9	22.7	19.5
105°	134.4	134.9	130.5	121.8	113.1	104.3	95.6	78.4	61.2	44.1	26.9
107.5°	162.9	163.3	164.0	165.5	167.0	168.4	169.9	154.9	140.0	125.0	110.1
110°	191.7	192.1	192.6	193.7	194.8	195.8	196.9	193.7	190.5	187.3	184.1

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	219.3	219.6	220.1	221.2	222.3	223.3	224.4	225.3	226.2	227.1	228.0
115°	246.4	246.7	247.1	248.0	248.9	249.7	250.6	251.6	252.6	253.5	254.5
117.5°	273.9	274.2	274.4	274.9	275.4	275.9	276.4	277.2	278.0	278.7	279.5
120°	299.6	300.0	300.1	300.4	300.7	301.0	301.3	302.1	302.9	303.6	304.4
122.5°	324.1	324.4	324.6	325.0	325.4	325.8	326.2	326.7	327.2	327.7	328.2
125°	347.2	347.6	347.8	348.2	348.5	348.9	349.3	349.5	349.7	349.9	350.1
127.5°	369.9	370.3	370.5	371.0	371.5	372.0	372.5	372.8	373.1	373.4	373.7
130°	390.9	391.3	391.5	391.9	392.2	392.6	393.0	393.4	393.8	394.1	394.5
132.5°	410.9	411.3	411.5	411.8	412.1	412.4	412.7	413.1	413.5	413.8	414.2
135°	430.7	431.0	431.2	431.6	431.9	432.3	432.7	433.0	433.3	433.6	433.9
137.5°	448.9	449.3	449.4	449.6	449.8	450.0	450.2	450.7	451.2	451.7	452.2
140°	465.6	465.9	466.0	466.3	466.6	466.9	467.2	467.6	468.0	468.4	468.8
142.5°	481.8	482.1	482.2	482.5	482.8	483.1	483.4	483.7	484.0	484.3	484.6
145°	497.1	497.4	497.5	497.7	497.8	498.0	498.2	498.4	498.6	498.8	499.0
147.5°	510.7	510.9	511.0	511.2	511.4	511.6	511.8	512.0	512.2	512.3	512.5
150°	523.0	523.1	523.2	523.4	523.6	523.8	524.0	524.2	524.4	524.6	524.8
152.5°	534.0	534.0	534.1	534.2	534.3	534.4	534.5	534.9	535.3	535.6	536.0
155°	543.8	543.7	543.7	543.8	543.9	544.0	544.1	544.6	545.1	545.6	546.1
157.5°	553.3	553.3	553.2	553.1	553.0	552.9	552.8	553.4	554.0	554.5	555.1
160°	560.7	560.7	560.6	560.5	560.4	560.3	560.2	560.8	561.4	562.0	562.6
162.5°	567.3	567.2	567.2	567.1	567.0	566.9	566.8	567.5	568.2	568.9	569.6
165°	573.0	572.9	572.9	572.8	572.7	572.6	572.5	573.3	574.1	574.8	575.6
167.5°	577.5	577.3	577.3	577.3	577.3	577.3	577.3	578.1	578.9	579.6	580.4
170°	581.4	581.2	581.2	581.2	581.2	581.2	581.2	582.0	582.8	583.5	584.3
172.5°	583.6	583.4	583.4	583.5	583.6	583.7	583.8	584.6	585.4	586.1	586.9
175°	585.8	585.6	585.6	585.7	585.8	585.9	586.0	586.7	587.4	588.1	588.8
177.5°	586.6	586.4	586.5	586.6	586.7	586.8	586.9	587.7	588.5	589.2	590.0
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	990.7	991.7	987.7	984.6	992.7	987.7	987.7	988.7	986.7	989.7	988.7
5°	935.1	936.1	929.0	931.0	927.0	925.9	924.9	931.0	930.0	929.0	931.0
7.5°	880.4	880.4	877.4	875.3	875.3	872.3	876.4	875.3	877.4	877.4	880.4
10°	834.9	836.9	831.8	826.8	825.8	826.8	826.8	827.8	828.8	835.9	834.9
12.5°	797.4	794.4	793.4	790.3	785.3	783.3	781.2	792.4	789.3	789.3	789.3
15°	755.9	763.0	762.0	752.9	750.9	754.9	752.9	752.9	763.0	762.0	761.0
17.5°	733.7	731.6	729.6	724.6	725.6	724.6	725.6	725.6	731.6	731.6	731.6
20°	708.4	704.3	704.3	702.3	702.3	699.3	703.3	704.3	708.4	708.4	709.4
22.5°	686.1	683.1	683.1	682.1	684.1	680.0	684.1	685.1	685.1	688.1	688.1
25°	666.9	664.9	664.9	666.9	666.9	666.9	666.9	670.9	667.9	668.9	667.9
27.5°	649.7	650.7	651.7	652.7	651.7	652.7	653.7	655.8	656.8	655.8	653.7
30°	633.5	636.5	637.5	637.5	639.6	640.6	641.6	641.6	642.6	639.6	641.6
32.5°	621.3	621.3	623.4	624.4	626.4	627.4	627.4	629.4	628.4	625.4	626.4
35°	604.1	604.1	608.2	610.2	613.2	612.2	613.2	613.2	614.3	612.2	609.2
37.5°	586.9	589.0	589.0	593.0	594.0	595.0	594.0	596.0	595.0	593.0	592.0
40°	566.7	565.7	566.7	569.7	570.7	570.7	570.7	572.8	572.8	572.8	571.8
42.5°	541.4	544.4	543.4	546.5	545.4	545.4	547.5	549.5	550.5	547.5	548.5
45°	517.1	517.1	519.1	519.1	520.1	520.1	524.2	522.2	524.2	522.2	523.2
47.5°	490.8	491.8	491.8	492.8	494.8	496.9	494.8	495.9	495.9	496.9	494.8
50°	461.5	461.5	463.5	466.5	470.6	468.5	467.5	471.6	468.5	468.5	466.5
52.5°	431.1	434.1	435.1	438.2	441.2	442.2	443.2	441.2	442.2	439.2	440.2
55°	401.7	402.8	406.8	409.8	412.9	412.9	411.9	412.9	413.9	409.8	409.8
57.5°	372.4	375.4	379.5	379.5	383.5	383.5	382.5	382.5	383.5	380.5	379.5
60°	341.0	344.1	349.1	349.1	355.2	356.2	354.2	352.2	352.2	349.1	350.1
62.5°	307.6	310.7	313.7	318.8	322.8	320.8	324.8	320.8	321.8	315.7	315.7
65°	278.3	279.3	284.4	289.4	289.4	291.4	289.4	290.4	287.4	287.4	283.3
67.5°	243.9	243.9	248.9	254.0	259.1	259.1	259.1	256.0	256.0	253.0	253.0
70°	213.5	212.5	217.6	220.6	223.6	224.7	222.6	221.6	219.6	216.6	215.5
72.5°	176.1	178.1	183.2	185.2	190.2	189.2	194.3	188.2	188.2	183.2	182.2
75°	142.7	144.7	149.8	152.8	155.8	155.8	158.9	155.8	151.8	149.8	148.8
77.5°	113.3	112.3	116.4	121.4	122.4	121.4	123.5	122.4	118.4	118.4	116.4
80°	81.0	84.0	88.0	87.0	91.1	90.1	90.1	88.0	88.0	85.0	87.0
82.5°	53.6	56.7	57.7	56.7	57.7	59.7	60.7	59.7	59.7	57.7	58.7
85°	28.3	28.3	30.4	31.4	30.4	30.4	31.4	34.4	32.4	30.4	32.4
87.5°	9.1	8.1	8.1	9.1	8.1	8.1	9.1	9.1	10.1	10.1	10.1
90°	12.2	12.3	12.5	12.7	12.9	13.1	12.9	12.7	12.5	12.3	12.2
92.5°	14.4	14.4	14.5	14.6	14.7	14.8	14.7	14.6	14.5	14.4	14.4
95°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
97.5°	17.5	17.5	17.6	17.7	17.8	17.9	17.8	17.7	17.6	17.5	17.5
100°	17.9	17.9	18.0	18.1	18.2	18.3	18.2	18.1	18.0	17.9	17.9
102.5°	17.9	18.0	18.2	18.4	18.6	18.8	18.6	18.4	18.2	18.0	17.9
105°	18.3	18.4	18.6	18.8	19.0	19.2	19.0	18.8	18.6	18.4	18.3
107.5°	102.6	96.2	83.5	70.8	58.1	45.4	58.1	70.8	83.5	96.2	102.6
110°	182.5	175.6	161.7	147.8	134.0	120.1	134.0	147.8	161.7	175.6	182.5

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CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	228.4	228.3	228.1	227.9	227.7	227.5	227.7	227.9	228.1	228.3	228.4
115°	255.0	255.2	255.6	256.0	256.4	256.8	256.4	256.0	255.6	255.2	255.0
117.5°	279.9	279.9	280.0	280.1	280.2	280.3	280.2	280.1	280.0	279.9	279.9
120°	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8
122.5°	328.4	328.4	328.5	328.6	328.7	328.8	328.7	328.6	328.5	328.4	328.4
125°	350.2	350.3	350.5	350.7	350.9	351.1	350.9	350.7	350.5	350.3	350.2
127.5°	373.8	373.7	373.5	373.3	373.1	372.9	373.1	373.3	373.5	373.7	373.8
130°	394.7	394.6	394.4	394.3	394.1	393.9	394.1	394.3	394.4	394.6	394.7
132.5°	414.4	414.3	414.0	413.7	413.4	413.1	413.4	413.7	414.0	414.3	414.4
135°	434.0	433.9	433.6	433.3	433.0	432.7	433.0	433.3	433.6	433.9	434.0
137.5°	452.4	452.3	452.1	451.9	451.7	451.5	451.7	451.9	452.1	452.3	452.4
140°	469.0	468.9	468.7	468.5	468.3	468.1	468.3	468.5	468.7	468.9	469.0
142.5°	484.7	484.6	484.3	484.0	483.7	483.4	483.7	484.0	484.3	484.6	484.7
145°	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1
147.5°	512.6	512.4	511.9	511.4	511.0	510.5	511.0	511.4	511.9	512.4	512.6
150°	524.9	524.8	524.5	524.2	523.9	523.6	523.9	524.2	524.5	524.8	524.9
152.5°	536.2	536.0	535.5	535.0	534.5	534.0	534.5	535.0	535.5	536.0	536.2
155°	546.3	546.0	545.4	544.9	544.3	543.7	544.3	544.9	545.4	546.0	546.3
157.5°	555.4	555.0	554.2	553.5	552.7	551.9	552.7	553.5	554.2	555.0	555.4
160°	562.9	562.6	561.9	561.2	560.5	559.8	560.5	561.2	561.9	562.6	562.9
162.5°	569.9	569.6	569.0	568.4	567.8	567.2	567.8	568.4	569.0	569.6	569.9
165°	576.0	575.7	575.0	574.3	573.6	572.9	573.6	574.3	575.0	575.7	576.0
167.5°	580.8	580.4	579.6	578.9	578.1	577.3	578.1	578.9	579.6	580.4	580.8
170°	584.7	584.3	583.5	582.8	582.0	581.2	582.0	582.8	583.5	584.3	584.7
172.5°	587.3	586.9	586.0	585.1	584.3	583.4	584.3	585.1	586.0	586.9	587.3
175°	589.1	588.7	587.9	587.2	586.4	585.6	586.4	587.2	587.9	588.7	589.1
177.5°	590.4	589.9	588.9	588.0	587.0	586.0	587.0	588.0	588.9	589.9	590.4
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

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CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	991.7	993.7	994.8	990.7	987.7	992.7	999.8	1004.9	1008.9	1014.0	1017.0
5°	933.0	940.1	940.1	942.1	945.2	950.2	963.4	972.5	980.6	986.7	991.7
7.5°	883.4	888.5	891.5	896.6	901.7	908.7	923.9	937.1	949.2	956.3	964.4
10°	838.9	843.0	848.0	851.1	860.2	870.3	889.5	900.6	914.8	925.9	936.1
12.5°	796.4	810.6	813.6	812.6	820.7	831.8	851.1	868.3	883.4	894.6	905.7
15°	766.1	771.1	777.2	776.2	793.4	796.4	812.6	832.8	853.1	860.2	870.3
17.5°	732.7	740.8	746.8	749.9	754.9	766.1	781.2	796.4	822.7	823.7	850.0
20°	706.3	714.4	718.5	722.5	725.6	738.7	751.9	769.1	790.3	801.5	815.6
22.5°	689.1	693.2	696.2	699.3	703.3	710.4	726.6	745.8	760.0	772.1	781.2
25°	668.9	673.0	677.0	679.0	682.1	686.1	698.3	713.4	733.7	741.8	750.9
27.5°	654.7	654.7	656.8	656.8	660.8	664.9	674.0	688.1	704.3	714.4	726.6
30°	639.6	638.5	639.6	638.5	637.5	643.6	651.7	663.8	675.0	687.1	695.2
32.5°	624.4	623.4	623.4	624.4	620.3	623.4	627.4	638.5	650.7	656.8	665.9
35°	608.2	606.2	606.2	606.2	604.1	602.1	606.2	616.3	624.4	632.5	639.6
37.5°	592.0	589.0	589.0	586.9	584.9	581.9	581.9	590.0	601.1	604.1	613.2
40°	569.7	569.7	567.7	566.7	564.7	562.7	559.6	566.7	576.8	579.9	586.9
42.5°	547.5	544.4	543.4	543.4	543.4	540.4	538.4	543.4	549.5	554.6	558.6
45°	522.2	520.1	521.2	520.1	518.1	517.1	516.1	518.1	525.2	527.2	532.3
47.5°	494.8	493.8	493.8	492.8	491.8	492.8	488.8	493.8	495.9	497.9	501.9
50°	466.5	465.5	464.5	463.5	463.5	464.5	463.5	463.5	467.5	469.6	473.6
52.5°	438.2	435.1	435.1	434.1	434.1	432.1	434.1	435.1	437.2	439.2	441.2
55°	407.8	407.8	404.8	404.8	402.8	402.8	403.8	402.8	406.8	408.8	408.8
57.5°	378.5	374.4	375.4	373.4	371.4	370.4	370.4	372.4	374.4	374.4	376.4
60°	347.1	343.1	342.0	338.0	340.0	337.0	338.0	338.0	342.0	340.0	342.0
62.5°	315.7	310.7	307.6	305.6	305.6	306.6	304.6	303.6	305.6	307.6	311.7
65°	282.3	279.3	276.3	273.2	273.2	272.2	274.2	271.2	270.2	271.2	273.2
67.5°	247.9	244.9	241.9	238.8	239.8	236.8	234.8	237.8	235.8	236.8	238.8
70°	214.5	212.5	206.4	204.4	203.4	204.4	203.4	201.4	204.4	203.4	204.4
72.5°	181.1	179.1	176.1	171.0	171.0	170.0	169.0	169.0	168.0	168.0	168.0
75°	148.8	144.7	141.7	140.7	138.6	137.6	136.6	134.6	135.6	136.6	134.6
77.5°	115.4	110.3	109.3	109.3	106.3	106.3	107.3	106.3	105.2	105.2	105.2
80°	85.0	81.0	81.0	78.9	76.9	76.9	76.9	76.9	75.9	74.9	75.9
82.5°	54.6	53.6	52.6	52.6	54.6	50.6	52.6	51.6	50.6	50.6	49.6
85°	30.4	31.4	30.4	31.4	29.3	30.4	30.4	30.4	29.3	30.4	28.3
87.5°	11.1	11.1	11.1	12.1	12.1	12.1	12.1	12.1	13.2	12.1	12.1
90°	12.0	11.6	11.3	10.9	10.5	9.2	8.0	6.7	5.4	4.8	4.3
92.5°	14.1	13.4	12.7	12.1	11.4	10.5	9.6	8.7	7.8	7.4	7.7
95°	16.3	15.6	14.9	14.2	13.5	12.4	11.4	10.3	9.2	8.7	10.7
97.5°	17.1	16.3	15.6	14.8	14.0	18.9	23.9	28.8	33.7	36.2	37.6
100°	17.5	16.7	16.0	15.2	14.4	29.5	44.7	59.8	74.9	82.5	81.5
102.5°	19.5	22.7	25.9	29.1	32.3	49.2	66.1	83.0	99.9	108.3	107.7
105°	26.9	44.1	61.2	78.4	95.6	104.3	113.1	121.8	130.5	134.9	134.4
107.5°	110.1	125.0	140.0	154.9	169.9	168.4	167.0	165.5	164.0	163.3	162.9
110°	184.1	187.3	190.5	193.7	196.9	195.8	194.8	193.7	192.6	192.1	191.7

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	228.0	227.1	226.2	225.3	224.4	223.3	222.3	221.2	220.1	219.6	219.3
115°	254.5	253.5	252.6	251.6	250.6	249.7	248.9	248.0	247.1	246.7	246.4
117.5°	279.5	278.7	278.0	277.2	276.4	275.9	275.4	274.9	274.4	274.2	273.9
120°	304.4	303.6	302.9	302.1	301.3	301.0	300.7	300.4	300.1	300.0	299.6
122.5°	328.2	327.7	327.2	326.7	326.2	325.8	325.4	325.0	324.6	324.4	324.1
125°	350.1	349.9	349.7	349.5	349.3	348.9	348.5	348.2	347.8	347.6	347.2
127.5°	373.7	373.4	373.1	372.8	372.5	372.0	371.5	371.0	370.5	370.3	369.9
130°	394.5	394.1	393.8	393.4	393.0	392.6	392.2	391.9	391.5	391.3	390.9
132.5°	414.2	413.8	413.5	413.1	412.7	412.4	412.1	411.8	411.5	411.3	410.9
135°	433.9	433.6	433.3	433.0	432.7	432.3	431.9	431.6	431.2	431.0	430.7
137.5°	452.2	451.7	451.2	450.7	450.2	450.0	449.8	449.6	449.4	449.3	448.9
140°	468.8	468.4	468.0	467.6	467.2	466.9	466.6	466.3	466.0	465.9	465.6
142.5°	484.6	484.3	484.0	483.7	483.4	483.1	482.8	482.5	482.2	482.1	481.8
145°	499.0	498.8	498.6	498.4	498.2	498.0	497.8	497.7	497.5	497.4	497.1
147.5°	512.5	512.3	512.2	512.0	511.8	511.6	511.4	511.2	511.0	510.9	510.7
150°	524.8	524.6	524.4	524.2	524.0	523.8	523.6	523.4	523.2	523.1	523.0
152.5°	536.0	535.6	535.3	534.9	534.5	534.4	534.3	534.2	534.1	534.0	534.0
155°	546.1	545.6	545.1	544.6	544.1	544.0	543.9	543.8	543.7	543.7	543.8
157.5°	555.1	554.5	554.0	553.4	552.8	552.9	553.0	553.1	553.2	553.3	553.3
160°	562.6	562.0	561.4	560.8	560.2	560.3	560.4	560.5	560.6	560.7	560.7
162.5°	569.6	568.9	568.2	567.5	566.8	566.9	567.0	567.1	567.2	567.2	567.3
165°	575.6	574.8	574.1	573.3	572.5	572.6	572.7	572.8	572.9	572.9	573.0
167.5°	580.4	579.6	578.9	578.1	577.3	577.3	577.3	577.3	577.3	577.3	577.5
170°	584.3	583.5	582.8	582.0	581.2	581.2	581.2	581.2	581.2	581.2	581.4
172.5°	586.9	586.1	585.4	584.6	583.8	583.7	583.6	583.5	583.4	583.4	583.6
175°	588.8	588.1	587.4	586.7	586.0	585.9	585.8	585.7	585.6	585.6	585.8
177.5°	590.0	589.2	588.5	587.7	586.9	586.8	586.7	586.6	586.5	586.4	586.6
180°	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8	587.8

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1044.3	1044.3	1044.3	1044.3
2.5°	1022.1	1025.1	1035.2	1047.4
5°	1001.8	1009.9	1024.1	1043.3
7.5°	979.6	991.7	1012.0	1036.2
10°	954.3	971.5	996.8	1027.1
12.5°	927.0	949.2	981.6	1013.0
15°	909.8	932.0	961.4	995.8
17.5°	876.4	902.7	933.0	981.6
20°	842.0	871.3	910.8	959.3
22.5°	815.6	847.0	884.5	936.1
25°	784.3	816.7	857.1	910.8
27.5°	750.9	783.3	828.8	885.5
30°	725.6	756.9	800.5	861.2
32.5°	695.2	725.6	771.1	834.9
35°	660.8	695.2	738.7	803.5
37.5°	634.5	665.9	711.4	773.1
40°	606.2	633.5	678.0	738.7
42.5°	575.8	606.2	644.6	705.3
45°	547.5	569.7	609.2	666.9
47.5°	517.1	542.4	572.8	617.3
50°	484.7	506.0	539.4	569.7
52.5°	453.4	470.6	498.9	522.2
55°	420.0	437.2	458.4	472.6
57.5°	388.6	400.7	414.9	424.0
60°	350.1	362.3	371.4	380.5
62.5°	315.7	324.8	329.9	335.0
65°	280.3	285.4	288.4	292.5
67.5°	241.9	246.9	247.9	254.0
70°	206.4	207.5	209.5	212.5
72.5°	173.0	175.1	174.1	176.1
75°	138.6	140.7	138.6	140.7
77.5°	105.2	107.3	107.3	110.3
80°	75.9	76.9	77.9	77.9
82.5°	49.6	52.6	50.6	51.6
85°	28.3	29.3	29.3	30.4
87.5°	13.2	14.2	13.2	15.2
90°	3.3	2.4	1.4	0.4
92.5°	8.3	8.8	9.4	10.0
95°	14.7	18.6	22.6	26.6
97.5°	40.3	43.0	45.8	48.5
100°	79.6	77.7	75.7	73.8
102.5°	106.4	105.1	103.9	102.6
105°	133.3	132.2	131.2	130.1
107.5°	162.0	161.1	160.3	159.4
110°	190.9	190.2	189.4	188.6

TEST NUMBER: P1031948

CATALOG NUMBER: S123DIW-B775D460UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	218.6	217.9	217.3	216.6
115°	245.8	245.3	244.7	244.1
117.5°	273.2	272.5	271.9	271.2
120°	298.7	297.8	297.0	296.1
122.5°	323.4	322.7	322.1	321.4
125°	346.4	345.7	344.9	344.1
127.5°	369.1	368.4	367.6	366.8
130°	390.1	389.4	388.6	387.8
132.5°	410.1	409.4	408.6	407.8
135°	430.1	429.6	429.0	428.4
137.5°	448.1	447.4	446.6	445.8
140°	465.0	464.5	463.9	463.3
142.5°	481.2	480.7	480.1	479.5
145°	496.4	495.7	495.0	494.3
147.5°	510.2	509.7	509.2	508.7
150°	522.7	522.4	522.1	521.8
152.5°	533.9	533.8	533.7	533.6
155°	544.0	544.1	544.3	544.5
157.5°	553.3	553.3	553.3	553.3
160°	560.8	560.9	561.0	561.1
162.5°	567.6	567.9	568.2	568.5
165°	573.3	573.6	573.9	574.2
167.5°	577.9	578.2	578.6	579.0
170°	581.8	582.2	582.6	583.0
172.5°	584.1	584.6	585.1	585.6
175°	586.3	586.8	587.3	587.8
177.5°	587.1	587.6	588.1	588.6
180°	587.8	587.8	587.8	587.8

(END OF REPORT)