

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331531-930

Luminaire Tested: **S122DIW-S675D710U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331531-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIW-S675D710U930-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 710 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4702.7 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

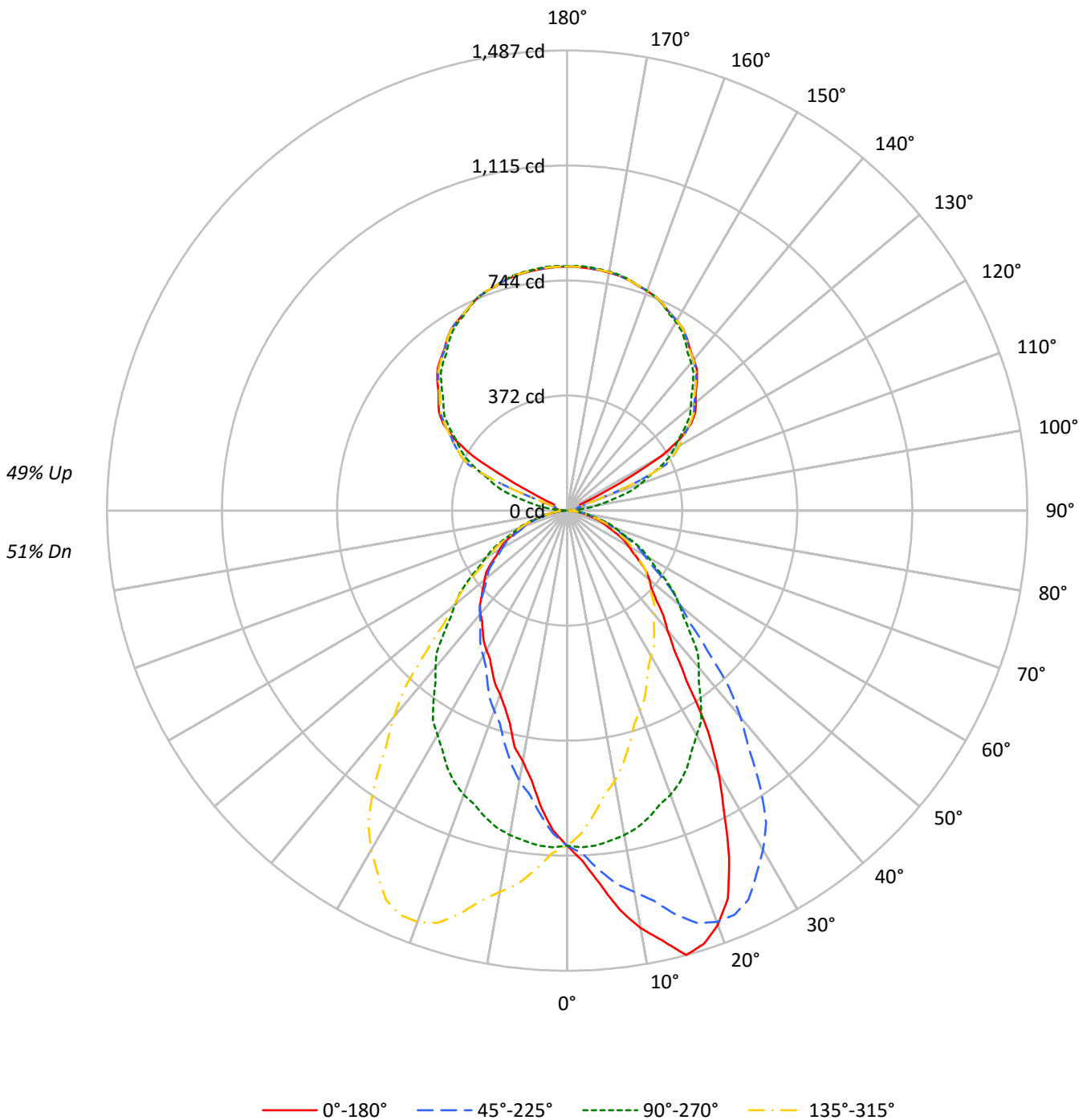
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	67	66	62	59	55	52	50	46	44	42	37
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	33	33	30	28	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	60	48	40	34	55	45	38	33	39	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	23	20	18
9	52	40	32	27	48	37	31	26	33	27	23	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	2.2
10°-20°	299.8	6.4
20°-30°	435.1	9.3
30°-40°	459.2	9.8
40°-50°	406.6	8.6
50°-60°	324.5	6.9
60°-70°	220.5	4.7
70°-80°	113.1	2.4
80°-90°	29.2	0.6
90°-100°	26.3	0.6
100°-110°	96.5	2.1
110°-120°	257.9	5.5
120°-130°	425.7	9.1
130°-140°	452.8	9.6
140°-150°	420.8	8.9
150°-160°	338.4	7.2
160°-170°	218.0	4.6
170°-180°	75.1	1.6
0°-30°	838.1	17.8
0°-40°	1297.3	27.6
0°-60°	2028.3	43.1
0°-90°	2391.1	50.8
90°-120°	380.7	8.1
90°-150°	1680.1	35.7
90°-180°	2312.0	49.2
0°-180°	4702.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	25
90°	15	1	15	1	15	8
95°	24	37	24	37	24	23
105°	43	174	43	174	43	45
115°	47	328	47	328	47	117
125°	488	464	488	464	488	422
135°	593	574	593	574	593	457
145°	676	666	676	666	676	423
155°	734	733	734	733	734	339
165°	771	773	771	773	771	218
175°	786	790	786	790	786	75
180°	789	789	789	789	789	



TEST NUMBER: P331531-930

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	11.7	11.7	12.0	11.6	11.5	11.7	11.7	11.2	11.4	11.6	11.7
90°	15.4	15.2	14.9	14.7	14.4	13.9	13.3	12.7	12.1	11.4	10.4
92.5°	15.4	15.2	15.1	14.9	14.8	14.6	14.3	13.9	13.5	13.2	12.7
95°	24.5	24.7	24.8	24.9	25.0	24.8	24.1	23.6	22.9	22.3	21.4
97.5°	32.8	32.6	32.4	32.3	32.1	31.8	31.3	30.8	30.3	29.8	27.7
100°	38.2	38.0	37.7	37.5	37.3	36.6	35.5	34.6	33.5	32.5	30.4
102.5°	41.0	40.6	40.3	39.9	39.5	38.7	37.4	36.1	34.7	33.4	31.4
105°	43.4	42.9	42.4	41.8	41.3	40.4	39.0	37.6	36.2	34.8	32.5
107.5°	44.6	44.1	43.6	43.1	42.6	43.0	44.5	45.9	47.3	48.8	49.3
110°	45.1	44.6	44.1	43.5	43.0	49.2	61.8	74.5	87.2	99.9	136.6



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	45.6	45.2	44.8	44.4	43.9	66.9	113.2	159.4	205.7	251.9	261.0
115°	46.8	55.9	65.1	74.2	83.3	117.2	175.9	234.7	293.4	352.1	348.9
117.5°	191.1	221.1	251.1	281.1	311.1	333.2	347.4	361.7	375.9	390.0	387.8
120°	348.1	365.3	382.4	399.5	416.6	424.4	422.9	421.4	419.9	418.3	416.0
122.5°	434.5	437.8	441.1	444.4	447.8	449.0	448.0	447.1	446.2	445.3	442.8
125°	488.0	487.6	487.2	486.8	486.5	485.8	484.9	484.0	483.1	482.2	479.9
127.5°	521.8	521.7	521.6	521.5	521.5	520.8	519.5	518.2	516.9	515.6	513.8
130°	542.8	542.9	543.1	543.2	543.3	542.7	541.3	539.9	538.5	537.1	535.7
132.5°	563.4	563.5	563.6	563.7	563.9	563.3	562.1	560.9	559.7	558.6	557.2
135°	593.0	593.3	593.5	593.8	594.0	593.5	592.2	591.0	589.7	588.5	587.3
137.5°	620.0	620.5	620.9	621.3	621.8	621.4	620.1	618.9	617.7	616.4	615.1
140°	637.0	637.6	638.2	638.9	639.5	639.3	638.1	637.0	635.9	634.7	633.2
142.5°	653.4	654.0	654.7	655.3	655.9	655.7	654.7	653.6	652.6	651.6	650.0
145°	676.4	676.9	677.6	678.2	678.9	678.7	677.8	676.9	676.1	675.2	673.0
147.5°	696.5	697.1	697.7	698.1	698.7	698.6	698.0	697.3	696.7	695.9	693.8
150°	708.9	709.5	710.1	710.8	711.4	711.3	710.6	709.8	709.1	708.3	706.3
152.5°	719.3	720.2	721.1	721.9	722.8	722.8	722.0	721.2	720.5	719.7	717.8
155°	734.0	735.0	736.1	737.0	738.0	738.2	737.4	736.6	735.9	735.2	733.6
157.5°	747.3	748.4	749.3	750.3	751.3	751.4	750.5	749.7	748.8	747.9	746.8
160°	755.1	756.0	756.8	757.7	758.6	758.7	758.0	757.2	756.4	755.7	754.9
162.5°	761.5	762.5	763.7	764.8	765.9	766.0	765.1	764.3	763.4	762.5	761.9
165°	771.1	772.0	772.9	773.7	774.6	774.6	773.7	772.9	772.0	771.1	770.7
167.5°	777.1	778.3	779.4	780.6	781.7	781.8	781.0	780.1	779.2	778.3	778.0
170°	780.8	782.0	783.1	784.2	785.4	785.5	784.6	783.7	782.9	782.0	781.7
172.5°	783.5	784.6	785.8	786.9	788.1	788.2	787.3	786.4	785.5	784.6	784.4
175°	785.9	787.2	788.5	789.7	791.0	791.2	790.3	789.5	788.6	787.7	787.4
177.5°	787.4	788.3	789.2	790.2	791.1	791.2	790.4	789.8	789.0	788.3	788.2
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	11.9	11.7	11.5	11.9	10.6	10.4	8.7	7.4	7.4	7.3	6.9
90°	9.4	8.4	7.3	6.1	4.7	3.3	2.0	0.6	2.0	3.3	4.7
92.5°	12.2	11.7	11.3	11.0	11.2	11.3	11.4	11.5	11.4	11.3	11.2
95°	20.5	19.6	18.7	20.4	24.5	28.7	32.9	37.1	32.9	28.7	24.5
97.5°	25.7	23.6	21.6	26.4	38.2	50.1	61.8	73.6	61.8	50.1	38.2
100°	28.2	26.1	23.9	31.6	48.9	66.3	83.6	101.0	83.6	66.3	48.9
102.5°	69.5	87.6	105.6	116.4	120.1	123.8	127.5	131.2	127.5	123.8	120.1
105°	104.0	138.7	173.3	188.7	184.9	181.2	177.3	173.5	177.3	181.2	184.9
107.5°	131.8	173.3	214.8	234.1	231.0	228.0	224.9	221.8	224.9	228.0	231.0
110°	173.2	209.9	246.5	263.5	260.8	258.2	255.5	252.8	255.5	258.2	260.8





TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	270.0	279.1	288.1	291.5	289.1	286.8	284.5	282.1	284.5	286.8	289.1
115°	345.8	342.7	339.5	336.8	334.7	332.5	330.4	328.2	330.4	332.5	334.7
117.5°	385.7	383.5	381.3	379.0	376.6	374.2	371.8	369.4	371.8	374.2	376.6
120°	413.8	411.5	409.2	407.2	405.2	403.3	401.5	399.5	401.5	403.3	405.2
122.5°	440.3	437.8	435.4	433.1	431.1	429.1	427.1	425.1	427.1	429.1	431.1
125°	477.4	475.1	472.6	470.6	469.0	467.3	465.7	464.0	465.7	467.3	469.0
127.5°	512.0	510.2	508.4	506.6	504.8	503.0	501.1	499.3	501.1	503.0	504.8
130°	534.3	532.9	531.5	529.8	527.7	525.7	523.7	521.6	523.7	525.7	527.7
132.5°	555.7	554.3	552.9	551.4	549.7	548.0	546.3	544.5	546.3	548.0	549.7
135°	586.2	585.1	583.9	582.3	580.2	578.2	576.2	574.2	576.2	578.2	580.2
137.5°	613.8	612.5	611.2	609.8	608.5	607.1	605.6	604.2	605.6	607.1	608.5
140°	631.9	630.5	629.1	627.9	626.9	625.8	624.8	623.9	624.8	625.8	626.9
142.5°	648.4	646.8	645.1	643.9	643.0	642.1	641.2	640.3	641.2	642.1	643.0
145°	670.9	668.7	666.6	665.5	665.7	665.9	665.9	666.1	665.9	665.9	665.7
147.5°	691.7	689.6	687.5	686.6	687.1	687.6	688.1	688.5	688.1	687.6	687.1
150°	704.3	702.2	700.2	699.6	700.5	701.4	702.3	703.2	702.3	701.4	700.5
152.5°	715.8	714.0	712.0	711.5	712.5	713.5	714.5	715.5	714.5	713.5	712.5
155°	732.1	730.6	729.0	728.9	730.0	731.2	732.3	733.4	732.3	731.2	730.0
157.5°	745.8	744.7	743.6	743.6	744.5	745.5	746.5	747.5	746.5	745.5	744.5
160°	754.2	753.4	752.6	752.6	753.4	754.2	754.9	755.7	754.9	754.2	753.4
162.5°	761.2	760.5	759.9	759.9	760.7	761.5	762.2	763.0	762.2	761.5	760.7
165°	770.3	770.0	769.6	769.7	770.5	771.3	772.0	772.8	772.0	771.3	770.5
167.5°	777.6	777.2	776.9	777.1	777.8	778.6	779.3	780.1	779.3	778.6	777.8
170°	781.5	781.1	780.9	781.1	782.0	782.7	783.4	784.2	783.4	782.7	782.0
172.5°	784.2	783.9	783.7	783.9	784.6	785.5	786.2	786.9	786.2	785.5	784.6
175°	787.2	786.8	786.6	786.9	787.8	788.7	789.6	790.5	789.6	788.7	787.8
177.5°	788.1	788.0	787.9	788.2	789.0	789.6	790.4	791.1	790.4	789.6	789.0
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	6.9	6.8	6.7	6.8	6.8	6.6	6.4	6.5	6.7	6.1	6.2
90°	6.1	7.3	8.4	9.4	10.4	11.4	12.1	12.7	13.3	13.9	14.4
92.5°	11.0	11.3	11.7	12.2	12.7	13.2	13.5	13.9	14.3	14.6	14.8
95°	20.4	18.7	19.6	20.5	21.4	22.3	22.9	23.6	24.1	24.8	25.0
97.5°	26.4	21.6	23.6	25.7	27.7	29.8	30.3	30.8	31.3	31.8	32.1
100°	31.6	23.9	26.1	28.2	30.4	32.5	33.5	34.6	35.5	36.6	37.3
102.5°	116.4	105.6	87.6	69.5	51.4	33.4	34.7	36.1	37.4	38.7	39.5
105°	188.7	173.3	138.7	104.0	69.5	34.8	36.2	37.6	39.0	40.4	41.3
107.5°	234.1	214.8	173.3	131.8	90.3	48.8	47.3	45.9	44.5	43.0	42.6
110°	263.5	246.5	209.9	173.2	136.6	99.9	87.2	74.5	61.8	49.2	43.0



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	291.5	288.1	279.1	270.0	261.0	251.9	205.7	159.4	113.2	66.9	43.9
115°	336.8	339.5	342.7	345.8	348.9	352.1	293.4	234.7	175.9	117.2	83.3
117.5°	379.0	381.3	383.5	385.7	387.8	390.0	375.9	361.7	347.4	333.2	311.1
120°	407.2	409.2	411.5	413.8	416.0	418.3	419.9	421.4	422.9	424.4	416.6
122.5°	433.1	435.4	437.8	440.3	442.8	445.3	446.2	447.1	448.0	449.0	447.8
125°	470.6	472.6	475.1	477.4	479.9	482.2	483.1	484.0	484.9	485.8	486.5
127.5°	506.6	508.4	510.2	512.0	513.8	515.6	516.9	518.2	519.5	520.8	521.5
130°	529.8	531.5	532.9	534.3	535.7	537.1	538.5	539.9	541.3	542.7	543.3
132.5°	551.4	552.9	554.3	555.7	557.2	558.6	559.7	560.9	562.1	563.3	563.9
135°	582.3	583.9	585.1	586.2	587.3	588.5	589.7	591.0	592.2	593.5	594.0
137.5°	609.8	611.2	612.5	613.8	615.1	616.4	617.7	618.9	620.1	621.4	621.8
140°	627.9	629.1	630.5	631.9	633.2	634.7	635.9	637.0	638.1	639.3	639.5
142.5°	643.9	645.1	646.8	648.4	650.0	651.6	652.6	653.6	654.7	655.7	655.9
145°	665.5	666.6	668.7	670.9	673.0	675.2	676.1	676.9	677.8	678.7	678.9
147.5°	686.6	687.5	689.6	691.7	693.8	695.9	696.7	697.3	698.0	698.6	698.7
150°	699.6	700.2	702.2	704.3	706.3	708.3	709.1	709.8	710.6	711.3	711.4
152.5°	711.5	712.0	714.0	715.8	717.8	719.7	720.5	721.2	722.0	722.8	722.8
155°	728.9	729.0	730.6	732.1	733.6	735.2	735.9	736.6	737.4	738.2	738.0
157.5°	743.6	743.6	744.7	745.8	746.8	747.9	748.8	749.7	750.5	751.4	751.3
160°	752.6	752.6	753.4	754.2	754.9	755.7	756.4	757.2	758.0	758.7	758.6
162.5°	759.9	759.9	760.5	761.2	761.9	762.5	763.4	764.3	765.1	766.0	765.9
165°	769.7	769.6	770.0	770.3	770.7	771.1	772.0	772.9	773.7	774.6	774.6
167.5°	777.1	776.9	777.2	777.6	778.0	778.3	779.2	780.1	781.0	781.8	781.7
170°	781.1	780.9	781.1	781.5	781.7	782.0	782.9	783.7	784.6	785.5	785.4
172.5°	783.9	783.7	783.9	784.2	784.4	784.6	785.5	786.4	787.3	788.2	788.1
175°	786.9	786.6	786.8	787.2	787.4	787.7	788.6	789.5	790.3	791.2	791.0
177.5°	788.2	787.9	788.0	788.1	788.2	788.3	789.0	789.8	790.4	791.2	791.1
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	6.3	6.0	6.0	5.7	6.0	6.0	6.3	6.2	6.1	6.7	6.5
90°	14.7	14.9	15.2	15.4	15.2	14.9	14.7	14.4	13.9	13.3	12.7
92.5°	14.9	15.1	15.2	15.4	15.2	15.1	14.9	14.8	14.6	14.3	13.9
95°	24.9	24.8	24.7	24.5	24.7	24.8	24.9	25.0	24.8	24.1	23.6
97.5°	32.3	32.4	32.6	32.8	32.6	32.4	32.3	32.1	31.8	31.3	30.8
100°	37.5	37.7	38.0	38.2	38.0	37.7	37.5	37.3	36.6	35.5	34.6
102.5°	39.9	40.3	40.6	41.0	40.6	40.3	39.9	39.5	38.7	37.4	36.1
105°	41.8	42.4	42.9	43.4	42.9	42.4	41.8	41.3	40.4	39.0	37.6
107.5°	43.1	43.6	44.1	44.6	44.1	43.6	43.1	42.6	43.0	44.5	45.9
110°	43.5	44.1	44.6	45.1	44.6	44.1	43.5	43.0	49.2	61.8	74.5



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	44.4	44.8	45.2	45.6	45.2	44.8	44.4	43.9	66.9	113.2	159.4
115°	74.2	65.1	55.9	46.8	55.9	65.1	74.2	83.3	117.2	175.9	234.7
117.5°	281.1	251.1	221.1	191.1	221.1	251.1	281.1	311.1	333.2	347.4	361.7
120°	399.5	382.4	365.3	348.1	365.3	382.4	399.5	416.6	424.4	422.9	421.4
122.5°	444.4	441.1	437.8	434.5	437.8	441.1	444.4	447.8	449.0	448.0	447.1
125°	486.8	487.2	487.6	488.0	487.6	487.2	486.8	486.5	485.8	484.9	484.0
127.5°	521.5	521.6	521.7	521.8	521.7	521.6	521.5	521.5	520.8	519.5	518.2
130°	543.2	543.1	542.9	542.8	542.9	543.1	543.2	543.3	542.7	541.3	539.9
132.5°	563.7	563.6	563.5	563.4	563.5	563.6	563.7	563.9	563.3	562.1	560.9
135°	593.8	593.5	593.3	593.0	593.3	593.5	593.8	594.0	593.5	592.2	591.0
137.5°	621.3	620.9	620.5	620.0	620.5	620.9	621.3	621.8	621.4	620.1	618.9
140°	638.9	638.2	637.6	637.0	637.6	638.2	638.9	639.5	639.3	638.1	637.0
142.5°	655.3	654.7	654.0	653.4	654.0	654.7	655.3	655.9	655.7	654.7	653.6
145°	678.2	677.6	676.9	676.4	676.9	677.6	678.2	678.9	678.7	677.8	676.9
147.5°	698.1	697.7	697.1	696.5	697.1	697.7	698.1	698.7	698.6	698.0	697.3
150°	710.8	710.1	709.5	708.9	709.5	710.1	710.8	711.4	711.3	710.6	709.8
152.5°	721.9	721.1	720.2	719.3	720.2	721.1	721.9	722.8	722.8	722.0	721.2
155°	737.0	736.1	735.0	734.0	735.0	736.1	737.0	738.0	738.2	737.4	736.6
157.5°	750.3	749.3	748.4	747.3	748.4	749.3	750.3	751.3	751.4	750.5	749.7
160°	757.7	756.8	756.0	755.1	756.0	756.8	757.7	758.6	758.7	758.0	757.2
162.5°	764.8	763.7	762.5	761.5	762.5	763.7	764.8	765.9	766.0	765.1	764.3
165°	773.7	772.9	772.0	771.1	772.0	772.9	773.7	774.6	774.6	773.7	772.9
167.5°	780.6	779.4	778.3	777.1	778.3	779.4	780.6	781.7	781.8	781.0	780.1
170°	784.2	783.1	782.0	780.8	782.0	783.1	784.2	785.4	785.5	784.6	783.7
172.5°	786.9	785.8	784.6	783.5	784.6	785.8	786.9	788.1	788.2	787.3	786.4
175°	789.7	788.5	787.2	785.9	787.2	788.5	789.7	791.0	791.2	790.3	789.5
177.5°	790.2	789.2	788.3	787.4	788.3	789.2	790.2	791.1	791.2	790.4	789.8
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	6.4	6.6	6.8	6.8	6.7	6.8	6.9	6.9	7.3	7.4	7.4
90°	12.1	11.4	10.4	9.4	8.4	7.3	6.1	4.7	3.3	2.0	0.6
92.5°	13.5	13.2	12.7	12.2	11.7	11.3	11.0	11.2	11.3	11.4	11.5
95°	22.9	22.3	21.4	20.5	19.6	18.7	20.4	24.5	28.7	32.9	37.1
97.5°	30.3	29.8	27.7	25.7	23.6	21.6	26.4	38.2	50.1	61.8	73.6
100°	33.5	32.5	30.4	28.2	26.1	23.9	31.6	48.9	66.3	83.6	101.0
102.5°	34.7	33.4	51.4	69.5	87.6	105.6	116.4	120.1	123.8	127.5	131.2
105°	36.2	34.8	69.5	104.0	138.7	173.3	188.7	184.9	181.2	177.3	173.5
107.5°	47.3	48.8	90.3	131.8	173.3	214.8	234.1	231.0	228.0	224.9	221.8
110°	87.2	99.9	136.6	173.2	209.9	246.5	263.5	260.8	258.2	255.5	252.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	205.7	251.9	261.0	270.0	279.1	288.1	291.5	289.1	286.8	284.5	282.1
115°	293.4	352.1	348.9	345.8	342.7	339.5	336.8	334.7	332.5	330.4	328.2
117.5°	375.9	390.0	387.8	385.7	383.5	381.3	379.0	376.6	374.2	371.8	369.4
120°	419.9	418.3	416.0	413.8	411.5	409.2	407.2	405.2	403.3	401.5	399.5
122.5°	446.2	445.3	442.8	440.3	437.8	435.4	433.1	431.1	429.1	427.1	425.1
125°	483.1	482.2	479.9	477.4	475.1	472.6	470.6	469.0	467.3	465.7	464.0
127.5°	516.9	515.6	513.8	512.0	510.2	508.4	506.6	504.8	503.0	501.1	499.3
130°	538.5	537.1	535.7	534.3	532.9	531.5	529.8	527.7	525.7	523.7	521.6
132.5°	559.7	558.6	557.2	555.7	554.3	552.9	551.4	549.7	548.0	546.3	544.5
135°	589.7	588.5	587.3	586.2	585.1	583.9	582.3	580.2	578.2	576.2	574.2
137.5°	617.7	616.4	615.1	613.8	612.5	611.2	609.8	608.5	607.1	605.6	604.2
140°	635.9	634.7	633.2	631.9	630.5	629.1	627.9	626.9	625.8	624.8	623.9
142.5°	652.6	651.6	650.0	648.4	646.8	645.1	643.9	643.0	642.1	641.2	640.3
145°	676.1	675.2	673.0	670.9	668.7	666.6	665.5	665.7	665.9	665.9	666.1
147.5°	696.7	695.9	693.8	691.7	689.6	687.5	686.6	687.1	687.6	688.1	688.5
150°	709.1	708.3	706.3	704.3	702.2	700.2	699.6	700.5	701.4	702.3	703.2
152.5°	720.5	719.7	717.8	715.8	714.0	712.0	711.5	712.5	713.5	714.5	715.5
155°	735.9	735.2	733.6	732.1	730.6	729.0	728.9	730.0	731.2	732.3	733.4
157.5°	748.8	747.9	746.8	745.8	744.7	743.6	743.6	744.5	745.5	746.5	747.5
160°	756.4	755.7	754.9	754.2	753.4	752.6	752.6	753.4	754.2	754.9	755.7
162.5°	763.4	762.5	761.9	761.2	760.5	759.9	759.9	760.7	761.5	762.2	763.0
165°	772.0	771.1	770.7	770.3	770.0	769.6	769.7	770.5	771.3	772.0	772.8
167.5°	779.2	778.3	778.0	777.6	777.2	776.9	777.1	777.8	778.6	779.3	780.1
170°	782.9	782.0	781.7	781.5	781.1	780.9	781.1	782.0	782.7	783.4	784.2
172.5°	785.5	784.6	784.4	784.2	783.9	783.7	783.9	784.6	785.5	786.2	786.9
175°	788.6	787.7	787.4	787.2	786.8	786.6	786.9	787.8	788.7	789.6	790.5
177.5°	789.0	788.3	788.2	788.1	788.0	787.9	788.2	789.0	789.6	790.4	791.1
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	8.7	10.4	10.6	11.9	11.5	11.7	11.9	11.7	11.6	11.4	11.2
90°	2.0	3.3	4.7	6.1	7.3	8.4	9.4	10.4	11.4	12.1	12.7
92.5°	11.4	11.3	11.2	11.0	11.3	11.7	12.2	12.7	13.2	13.5	13.9
95°	32.9	28.7	24.5	20.4	18.7	19.6	20.5	21.4	22.3	22.9	23.6
97.5°	61.8	50.1	38.2	26.4	21.6	23.6	25.7	27.7	29.8	30.3	30.8
100°	83.6	66.3	48.9	31.6	23.9	26.1	28.2	30.4	32.5	33.5	34.6
102.5°	127.5	123.8	120.1	116.4	105.6	87.6	69.5	51.4	33.4	34.7	36.1
105°	177.3	181.2	184.9	188.7	173.3	138.7	104.0	69.5	34.8	36.2	37.6
107.5°	224.9	228.0	231.0	234.1	214.8	173.3	131.8	90.3	48.8	47.3	45.9
110°	255.5	258.2	260.8	263.5	246.5	209.9	173.2	136.6	99.9	87.2	74.5





TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	284.5	286.8	289.1	291.5	288.1	279.1	270.0	261.0	251.9	205.7	159.4
115°	330.4	332.5	334.7	336.8	339.5	342.7	345.8	348.9	352.1	293.4	234.7
117.5°	371.8	374.2	376.6	379.0	381.3	383.5	385.7	387.8	390.0	375.9	361.7
120°	401.5	403.3	405.2	407.2	409.2	411.5	413.8	416.0	418.3	419.9	421.4
122.5°	427.1	429.1	431.1	433.1	435.4	437.8	440.3	442.8	445.3	446.2	447.1
125°	465.7	467.3	469.0	470.6	472.6	475.1	477.4	479.9	482.2	483.1	484.0
127.5°	501.1	503.0	504.8	506.6	508.4	510.2	512.0	513.8	515.6	516.9	518.2
130°	523.7	525.7	527.7	529.8	531.5	532.9	534.3	535.7	537.1	538.5	539.9
132.5°	546.3	548.0	549.7	551.4	552.9	554.3	555.7	557.2	558.6	559.7	560.9
135°	576.2	578.2	580.2	582.3	583.9	585.1	586.2	587.3	588.5	589.7	591.0
137.5°	605.6	607.1	608.5	609.8	611.2	612.5	613.8	615.1	616.4	617.7	618.9
140°	624.8	625.8	626.9	627.9	629.1	630.5	631.9	633.2	634.7	635.9	637.0
142.5°	641.2	642.1	643.0	643.9	645.1	646.8	648.4	650.0	651.6	652.6	653.6
145°	665.9	665.9	665.7	665.5	666.6	668.7	670.9	673.0	675.2	676.1	676.9
147.5°	688.1	687.6	687.1	686.6	687.5	689.6	691.7	693.8	695.9	696.7	697.3
150°	702.3	701.4	700.5	699.6	700.2	702.2	704.3	706.3	708.3	709.1	709.8
152.5°	714.5	713.5	712.5	711.5	712.0	714.0	715.8	717.8	719.7	720.5	721.2
155°	732.3	731.2	730.0	728.9	729.0	730.6	732.1	733.6	735.2	735.9	736.6
157.5°	746.5	745.5	744.5	743.6	743.6	744.7	745.8	746.8	747.9	748.8	749.7
160°	754.9	754.2	753.4	752.6	752.6	753.4	754.2	754.9	755.7	756.4	757.2
162.5°	762.2	761.5	760.7	759.9	759.9	760.5	761.2	761.9	762.5	763.4	764.3
165°	772.0	771.3	770.5	769.7	769.6	770.0	770.3	770.7	771.1	772.0	772.9
167.5°	779.3	778.6	777.8	777.1	776.9	777.2	777.6	778.0	778.3	779.2	780.1
170°	783.4	782.7	782.0	781.1	780.9	781.1	781.5	781.7	782.0	782.9	783.7
172.5°	786.2	785.5	784.6	783.9	783.7	783.9	784.2	784.4	784.6	785.5	786.4
175°	789.6	788.7	787.8	786.9	786.6	786.8	787.2	787.4	787.7	788.6	789.5
177.5°	790.4	789.6	789.0	788.2	787.9	788.0	788.1	788.2	788.3	789.0	789.8
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	11.7	11.7	11.5	11.6	12.0	11.7	11.7
90°	13.3	13.9	14.4	14.7	14.9	15.2	15.4
92.5°	14.3	14.6	14.8	14.9	15.1	15.2	15.4
95°	24.1	24.8	25.0	24.9	24.8	24.7	24.5
97.5°	31.3	31.8	32.1	32.3	32.4	32.6	32.8
100°	35.5	36.6	37.3	37.5	37.7	38.0	38.2
102.5°	37.4	38.7	39.5	39.9	40.3	40.6	41.0
105°	39.0	40.4	41.3	41.8	42.4	42.9	43.4
107.5°	44.5	43.0	42.6	43.1	43.6	44.1	44.6
110°	61.8	49.2	43.0	43.5	44.1	44.6	45.1



TEST NUMBER: P331531-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	113.2	66.9	43.9	44.4	44.8	45.2	45.6
115°	175.9	117.2	83.3	74.2	65.1	55.9	46.8
117.5°	347.4	333.2	311.1	281.1	251.1	221.1	191.1
120°	422.9	424.4	416.6	399.5	382.4	365.3	348.1
122.5°	448.0	449.0	447.8	444.4	441.1	437.8	434.5
125°	484.9	485.8	486.5	486.8	487.2	487.6	488.0
127.5°	519.5	520.8	521.5	521.5	521.6	521.7	521.8
130°	541.3	542.7	543.3	543.2	543.1	542.9	542.8
132.5°	562.1	563.3	563.9	563.7	563.6	563.5	563.4
135°	592.2	593.5	594.0	593.8	593.5	593.3	593.0
137.5°	620.1	621.4	621.8	621.3	620.9	620.5	620.0
140°	638.1	639.3	639.5	638.9	638.2	637.6	637.0
142.5°	654.7	655.7	655.9	655.3	654.7	654.0	653.4
145°	677.8	678.7	678.9	678.2	677.6	676.9	676.4
147.5°	698.0	698.6	698.7	698.1	697.7	697.1	696.5
150°	710.6	711.3	711.4	710.8	710.1	709.5	708.9
152.5°	722.0	722.8	722.8	721.9	721.1	720.2	719.3
155°	737.4	738.2	738.0	737.0	736.1	735.0	734.0
157.5°	750.5	751.4	751.3	750.3	749.3	748.4	747.3
160°	758.0	758.7	758.6	757.7	756.8	756.0	755.1
162.5°	765.1	766.0	765.9	764.8	763.7	762.5	761.5
165°	773.7	774.6	774.6	773.7	772.9	772.0	771.1
167.5°	781.0	781.8	781.7	780.6	779.4	778.3	777.1
170°	784.6	785.5	785.4	784.2	783.1	782.0	780.8
172.5°	787.3	788.2	788.1	786.9	785.8	784.6	783.5
175°	790.3	791.2	791.0	789.7	788.5	787.2	785.9
177.5°	790.4	791.2	791.1	790.2	789.2	788.3	787.4
180°	788.8	788.8	788.8	788.8	788.8	788.8	788.8

(END OF REPORT)