

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: P331532-930

Luminaire Tested: **S122DIW-S675D710U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
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-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4396.7 lumens
Efficiency: N/A
Efficacy: 97.7 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

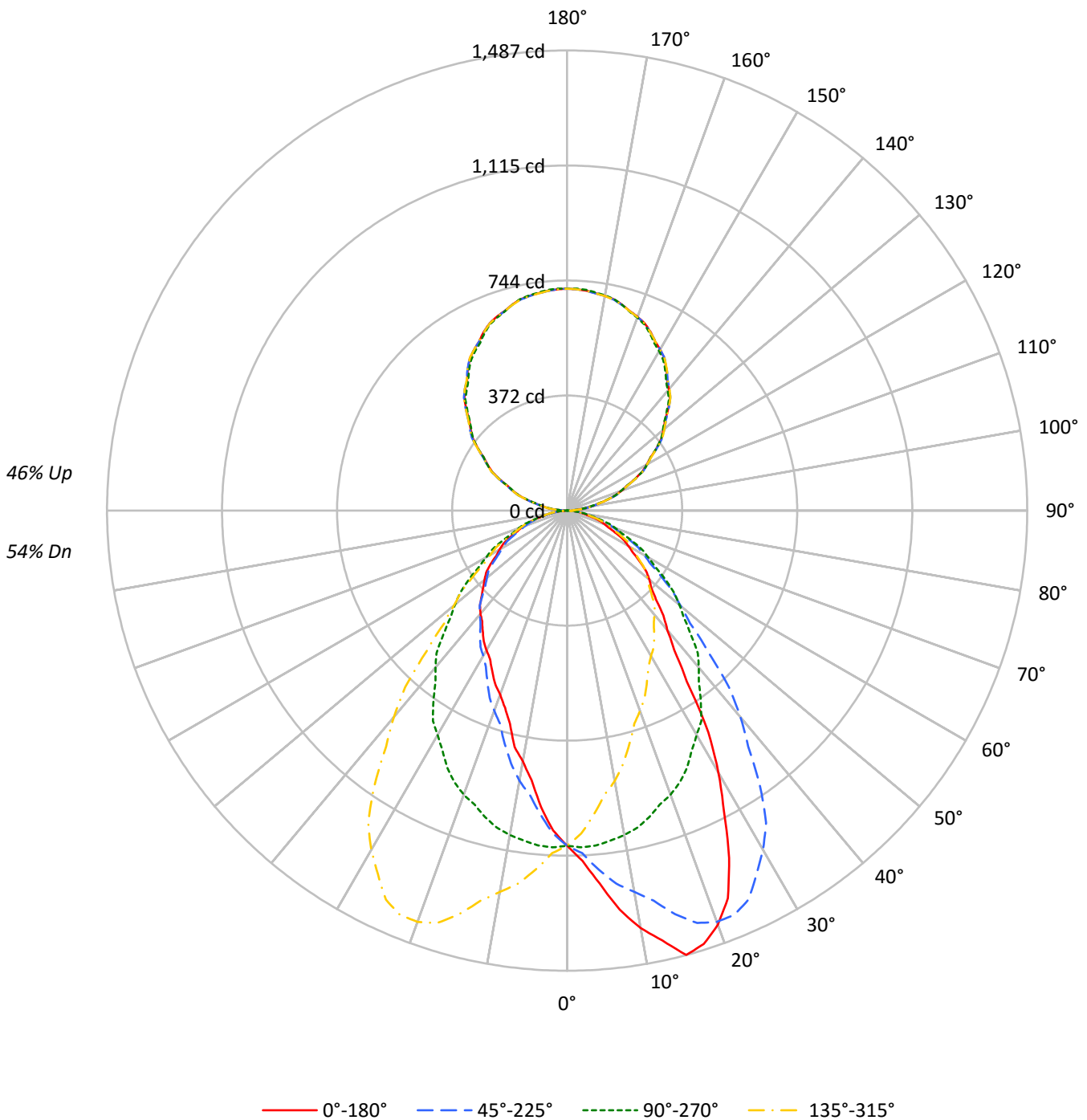
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47
2	91	84	78	73	84	78	73	68	67	63	60	57	55	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	38	35
4	76	66	58	52	71	62	55	50	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	2.3
10°-20°	299.8	6.8
20°-30°	435.1	9.9
30°-40°	459.2	10.4
40°-50°	406.6	9.2
50°-60°	324.5	7.4
60°-70°	220.5	5.0
70°-80°	113.1	2.6
80°-90°	30.1	0.7
90°-100°	45.4	1.0
100°-110°	141.1	3.2
110°-120°	241.2	5.5
120°-130°	317.1	7.2
130°-140°	356.0	8.1
140°-150°	349.0	7.9
150°-160°	292.8	6.7
160°-170°	194.2	4.4
170°-180°	67.9	1.5
0°-30°	838.1	19.1
0°-40°	1297.3	29.5
0°-60°	2028.3	46.1
0°-90°	2392.1	54.4
90°-120°	427.7	9.7
90°-150°	1449.8	33.0
90°-180°	2005.0	45.6
0°-180°	4396.7	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°	20	1	20	1	20	10
95°	38	32	38	32	38	42
105°	134	130	134	130	134	141
115°	242	242	242	242	242	239
125°	353	352	353	352	353	315
135°	461	456	461	456	461	355
145°	559	553	559	553	559	349
155°	637	632	637	632	637	293
165°	688	688	688	688	688	194
175°	713	716	713	716	713	68
180°	717	717	717	717	717	



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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°	12.8	12.7	13.0	12.7	12.6	13.0	13.0	12.8	13.2	13.5	13.3
90°	20.5	20.5	20.3	20.1	20.1	20.1	20.4	20.6	20.9	21.2	18.2
92.5°	19.6	19.6	19.6	19.5	19.5	19.5	19.4	19.3	19.3	19.2	18.5
95°	37.5	37.7	38.1	38.3	38.6	38.7	38.7	38.7	38.7	38.7	38.5
97.5°	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	64.6
100°	82.9	83.0	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.1
102.5°	103.2	103.4	103.5	103.6	103.8	103.8	103.6	103.5	103.5	103.3	102.8
105°	134.3	134.3	134.3	134.3	134.3	134.2	133.9	133.6	133.4	133.1	132.8
107.5°	163.6	164.2	164.9	165.4	166.1	166.3	166.2	166.1	166.0	165.9	165.9
110°	186.4	186.7	187.1	187.5	187.9	188.2	188.2	188.2	188.2	188.2	188.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	208.1	208.4	208.7	209.0	209.3	209.6	209.9	210.3	210.6	210.9	211.0
115°	242.0	242.4	242.8	243.2	243.6	243.9	244.0	244.2	244.3	244.4	244.7
117.5°	274.3	274.7	275.1	275.5	275.9	276.3	276.6	277.0	277.3	277.6	278.3
120°	297.0	297.4	297.8	298.2	298.6	298.9	298.9	298.9	298.9	298.9	299.9
122.5°	319.4	319.6	319.9	320.2	320.5	320.8	321.1	321.5	321.8	322.1	322.9
125°	353.4	353.4	353.6	353.8	353.8	354.1	354.5	354.9	355.3	355.7	356.1
127.5°	384.3	384.7	385.1	385.6	386.0	386.5	386.9	387.4	387.9	388.4	388.9
130°	406.6	407.1	407.6	408.1	408.7	409.1	409.4	409.7	409.9	410.2	410.4
132.5°	427.9	428.3	428.7	429.2	429.6	430.1	430.6	431.3	431.9	432.4	432.4
135°	461.0	461.4	461.8	462.2	462.6	462.9	463.0	463.2	463.3	463.4	463.2
137.5°	491.0	491.5	492.1	492.6	493.2	493.5	493.6	493.7	493.8	493.9	493.6
140°	511.8	512.3	512.9	513.5	514.0	514.2	514.2	514.2	514.2	514.2	513.6
142.5°	530.7	531.2	531.7	532.3	532.9	533.0	533.0	532.9	532.7	532.6	532.1
145°	559.1	559.5	560.1	560.6	561.2	561.3	561.3	561.1	560.9	560.8	560.0
147.5°	584.3	584.8	585.3	585.9	586.4	586.4	586.1	585.9	585.5	585.3	584.7
150°	600.8	601.2	601.5	601.9	602.3	602.3	601.9	601.5	601.2	600.8	600.2
152.5°	616.3	616.8	617.3	617.8	618.3	618.3	617.8	617.3	616.8	616.3	615.6
155°	637.1	637.5	637.9	638.3	638.7	638.5	637.9	637.2	636.5	635.9	635.4
157.5°	654.9	655.6	656.2	656.9	657.5	657.4	656.5	655.6	654.7	653.8	653.5
160°	666.1	666.7	667.2	667.7	668.2	668.1	667.3	666.5	665.7	664.9	664.7
162.5°	675.8	676.5	677.1	677.7	678.3	678.2	677.4	676.4	675.5	674.6	674.4
165°	688.5	689.2	689.8	690.5	691.2	691.0	690.1	689.2	688.2	687.3	687.3
167.5°	698.9	699.6	700.3	701.0	701.6	701.6	700.6	699.7	698.7	697.8	697.8
170°	704.2	705.0	705.8	706.6	707.4	707.4	706.5	705.5	704.6	703.6	703.8
172.5°	708.6	709.4	710.2	711.0	711.8	711.8	710.8	709.9	708.9	707.9	708.1
175°	713.3	714.1	714.9	715.7	716.5	716.5	715.5	714.5	713.6	712.7	713.0
177.5°	715.4	716.1	716.7	717.4	718.0	718.0	717.4	716.7	716.1	715.4	715.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



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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°	13.0	12.5	11.8	12.1	10.8	10.4	8.8	7.4	7.4	7.4	7.1
90°	15.2	12.3	9.4	7.1	5.5	3.8	2.2	0.6	2.2	3.8	5.5
92.5°	17.9	17.1	16.5	15.5	14.3	13.1	12.0	10.8	12.0	13.1	14.3
95°	38.2	37.9	37.7	36.9	35.5	34.2	32.8	31.5	32.8	34.2	35.5
97.5°	64.1	63.6	63.0	62.2	61.0	59.8	58.6	57.5	58.6	59.8	61.0
100°	82.7	82.3	81.9	81.1	80.1	79.0	77.9	76.8	77.9	79.0	80.1
102.5°	102.3	101.8	101.3	100.6	99.7	98.9	98.0	97.2	98.0	98.9	99.7
105°	132.6	132.3	132.0	131.7	131.3	130.9	130.4	130.0	130.4	130.9	131.3
107.5°	165.9	165.9	165.9	165.6	165.0	164.4	163.8	163.2	163.8	164.4	165.0
110°	188.2	188.2	188.2	187.8	186.9	186.1	185.3	184.5	185.3	186.1	186.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	211.1	211.2	211.3	211.0	210.2	209.4	208.6	207.7	208.6	209.4	210.2
115°	244.9	245.2	245.5	245.2	244.4	243.6	242.8	242.0	242.8	243.6	244.4
117.5°	279.1	279.8	280.5	280.4	279.3	278.3	277.2	276.1	277.2	278.3	279.3
120°	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9	299.9	301.0	302.1
122.5°	323.6	324.3	325.1	324.8	323.5	322.3	321.0	319.7	321.0	322.3	323.5
125°	356.5	356.9	357.3	356.9	355.7	354.5	353.4	352.1	353.4	354.5	355.7
127.5°	389.4	389.9	390.4	389.8	388.2	386.8	385.2	383.7	385.2	386.8	388.2
130°	410.7	411.0	411.2	410.5	408.8	407.0	405.3	403.5	405.3	407.0	408.8
132.5°	432.4	432.3	432.3	431.5	430.1	428.7	427.2	425.8	427.2	428.7	430.1
135°	462.9	462.6	462.4	461.5	460.0	458.5	457.1	455.6	457.1	458.5	460.0
137.5°	493.3	492.8	492.5	491.7	490.6	489.3	488.1	486.9	488.1	489.3	490.6
140°	512.9	512.3	511.5	510.6	509.4	508.2	507.0	505.8	507.0	508.2	509.4
142.5°	531.7	531.2	530.8	529.9	528.8	527.6	526.4	525.1	526.4	527.6	528.8
145°	559.2	558.4	557.6	556.8	555.8	554.8	553.9	552.9	553.9	554.8	555.8
147.5°	584.2	583.7	583.1	582.3	581.1	580.0	578.9	577.8	578.9	580.0	581.1
150°	599.7	599.2	598.6	597.9	597.1	596.3	595.5	594.7	595.5	596.3	597.1
152.5°	615.0	614.3	613.7	612.9	612.1	611.3	610.5	609.7	610.5	611.3	612.1
155°	635.0	634.6	634.2	633.8	633.4	633.0	632.6	632.2	632.6	633.0	633.4
157.5°	653.3	653.1	652.8	652.6	652.2	652.0	651.8	651.4	651.8	652.0	652.2
160°	664.6	664.5	664.4	664.1	663.9	663.6	663.3	663.1	663.3	663.6	663.9
162.5°	674.3	674.2	674.0	673.9	673.8	673.8	673.8	673.7	673.8	673.8	673.8
165°	687.3	687.3	687.3	687.4	687.5	687.6	687.7	687.9	687.7	687.6	687.5
167.5°	697.8	697.9	697.9	698.1	698.5	699.0	699.4	699.8	699.4	699.0	698.5
170°	703.8	704.0	704.2	704.4	704.8	705.2	705.6	706.0	705.6	705.2	704.8
172.5°	708.3	708.3	708.5	708.7	709.1	709.6	710.0	710.4	710.0	709.6	709.1
175°	713.2	713.5	713.8	714.1	714.5	714.9	715.3	715.7	715.3	714.9	714.5
177.5°	715.9	716.1	716.3	716.6	716.9	717.2	717.5	717.9	717.5	717.2	716.9
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

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°	7.1	7.2	7.4	8.1	8.3	8.6	8.2	8.2	8.1	7.3	7.3
90°	7.1	9.4	12.3	15.2	18.2	21.2	20.9	20.6	20.4	20.1	20.1
92.5°	15.5	16.5	17.1	17.9	18.5	19.2	19.3	19.3	19.4	19.5	19.5
95°	36.9	37.7	37.9	38.2	38.5	38.7	38.7	38.7	38.7	38.7	38.6
97.5°	62.2	63.0	63.6	64.1	64.6	65.1	65.1	65.1	65.1	65.1	65.1
100°	81.1	81.9	82.3	82.7	83.1	83.5	83.5	83.5	83.5	83.5	83.4
102.5°	100.6	101.3	101.8	102.3	102.8	103.3	103.5	103.5	103.6	103.8	103.8
105°	131.7	132.0	132.3	132.6	132.8	133.1	133.4	133.6	133.9	134.2	134.3
107.5°	165.6	165.9	165.9	165.9	165.9	165.9	166.0	166.1	166.2	166.3	166.1
110°	187.8	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	188.2	187.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	211.0	211.3	211.2	211.1	211.0	210.9	210.6	210.3	209.9	209.6	209.3
115°	245.2	245.5	245.2	244.9	244.7	244.4	244.3	244.2	244.0	243.9	243.6
117.5°	280.4	280.5	279.8	279.1	278.3	277.6	277.3	277.0	276.6	276.3	275.9
120°	303.1	303.1	302.1	301.0	299.9	298.9	298.9	298.9	298.9	298.9	298.6
122.5°	324.8	325.1	324.3	323.6	322.9	322.1	321.8	321.5	321.1	320.8	320.5
125°	356.9	357.3	356.9	356.5	356.1	355.7	355.3	354.9	354.5	354.1	353.8
127.5°	389.8	390.4	389.9	389.4	388.9	388.4	387.9	387.4	386.9	386.5	386.0
130°	410.5	411.2	411.0	410.7	410.4	410.2	409.9	409.7	409.4	409.1	408.7
132.5°	431.5	432.3	432.3	432.4	432.4	432.4	431.9	431.3	430.6	430.1	429.6
135°	461.5	462.4	462.6	462.9	463.2	463.4	463.3	463.2	463.0	462.9	462.6
137.5°	491.7	492.5	492.8	493.3	493.6	493.9	493.8	493.7	493.6	493.5	493.2
140°	510.6	511.5	512.3	512.9	513.6	514.2	514.2	514.2	514.2	514.2	514.0
142.5°	529.9	530.8	531.2	531.7	532.1	532.6	532.7	532.9	533.0	533.0	532.9
145°	556.8	557.6	558.4	559.2	560.0	560.8	560.9	561.1	561.3	561.3	561.2
147.5°	582.3	583.1	583.7	584.2	584.7	585.3	585.5	585.9	586.1	586.4	586.4
150°	597.9	598.6	599.2	599.7	600.2	600.8	601.2	601.5	601.9	602.3	602.3
152.5°	612.9	613.7	614.3	615.0	615.6	616.3	616.8	617.3	617.8	618.3	618.3
155°	633.8	634.2	634.6	635.0	635.4	635.9	636.5	637.2	637.9	638.5	638.7
157.5°	652.6	652.8	653.1	653.3	653.5	653.8	654.7	655.6	656.5	657.4	657.5
160°	664.1	664.4	664.5	664.6	664.7	664.9	665.7	666.5	667.3	668.1	668.2
162.5°	673.9	674.0	674.2	674.3	674.4	674.6	675.5	676.4	677.4	678.2	678.3
165°	687.4	687.3	687.3	687.3	687.3	687.3	688.2	689.2	690.1	691.0	691.2
167.5°	698.1	697.9	697.9	697.8	697.8	697.8	698.7	699.7	700.6	701.6	701.6
170°	704.4	704.2	704.0	703.8	703.8	703.6	704.6	705.5	706.5	707.4	707.4
172.5°	708.7	708.5	708.3	708.3	708.1	707.9	708.9	709.9	710.8	711.8	711.8
175°	714.1	713.8	713.5	713.2	713.0	712.7	713.6	714.5	715.5	716.5	716.5
177.5°	716.6	716.3	716.1	715.9	715.7	715.4	716.1	716.7	717.4	718.0	718.0
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

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°	7.3	7.1	7.1	6.8	7.1	7.1	7.3	7.3	7.3	8.1	8.2
90°	20.1	20.3	20.5	20.5	20.5	20.3	20.1	20.1	20.1	20.4	20.6
92.5°	19.5	19.6	19.6	19.6	19.6	19.6	19.5	19.5	19.5	19.4	19.3
95°	38.3	38.1	37.7	37.5	37.7	38.1	38.3	38.6	38.7	38.7	38.7
97.5°	65.1	65.1	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
100°	83.3	83.2	83.0	82.9	83.0	83.2	83.3	83.4	83.5	83.5	83.5
102.5°	103.6	103.5	103.4	103.2	103.4	103.5	103.6	103.8	103.8	103.6	103.5
105°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.2	133.9	133.6
107.5°	165.4	164.9	164.2	163.6	164.2	164.9	165.4	166.1	166.3	166.2	166.1
110°	187.5	187.1	186.7	186.4	186.7	187.1	187.5	187.9	188.2	188.2	188.2



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	209.0	208.7	208.4	208.1	208.4	208.7	209.0	209.3	209.6	209.9	210.3
115°	243.2	242.8	242.4	242.0	242.4	242.8	243.2	243.6	243.9	244.0	244.2
117.5°	275.5	275.1	274.7	274.3	274.7	275.1	275.5	275.9	276.3	276.6	277.0
120°	298.2	297.8	297.4	297.0	297.4	297.8	298.2	298.6	298.9	298.9	298.9
122.5°	320.2	319.9	319.6	319.4	319.6	319.9	320.2	320.5	320.8	321.1	321.5
125°	353.8	353.6	353.4	353.4	353.4	353.6	353.8	353.8	354.1	354.5	354.9
127.5°	385.6	385.1	384.7	384.3	384.7	385.1	385.6	386.0	386.5	386.9	387.4
130°	408.1	407.6	407.1	406.6	407.1	407.6	408.1	408.7	409.1	409.4	409.7
132.5°	429.2	428.7	428.3	427.9	428.3	428.7	429.2	429.6	430.1	430.6	431.3
135°	462.2	461.8	461.4	461.0	461.4	461.8	462.2	462.6	462.9	463.0	463.2
137.5°	492.6	492.1	491.5	491.0	491.5	492.1	492.6	493.2	493.5	493.6	493.7
140°	513.5	512.9	512.3	511.8	512.3	512.9	513.5	514.0	514.2	514.2	514.2
142.5°	532.3	531.7	531.2	530.7	531.2	531.7	532.3	532.9	533.0	533.0	532.9
145°	560.6	560.1	559.5	559.1	559.5	560.1	560.6	561.2	561.3	561.3	561.1
147.5°	585.9	585.3	584.8	584.3	584.8	585.3	585.9	586.4	586.4	586.1	585.9
150°	601.9	601.5	601.2	600.8	601.2	601.5	601.9	602.3	602.3	601.9	601.5
152.5°	617.8	617.3	616.8	616.3	616.8	617.3	617.8	618.3	618.3	617.8	617.3
155°	638.3	637.9	637.5	637.1	637.5	637.9	638.3	638.7	638.5	637.9	637.2
157.5°	656.9	656.2	655.6	654.9	655.6	656.2	656.9	657.5	657.4	656.5	655.6
160°	667.7	667.2	666.7	666.1	666.7	667.2	667.7	668.2	668.1	667.3	666.5
162.5°	677.7	677.1	676.5	675.8	676.5	677.1	677.7	678.3	678.2	677.4	676.4
165°	690.5	689.8	689.2	688.5	689.2	689.8	690.5	691.2	691.0	690.1	689.2
167.5°	701.0	700.3	699.6	698.9	699.6	700.3	701.0	701.6	701.6	700.6	699.7
170°	706.6	705.8	705.0	704.2	705.0	705.8	706.6	707.4	707.4	706.5	705.5
172.5°	711.0	710.2	709.4	708.6	709.4	710.2	711.0	711.8	711.8	710.8	709.9
175°	715.7	714.9	714.1	713.3	714.1	714.9	715.7	716.5	716.5	715.5	714.5
177.5°	717.4	716.7	716.1	715.4	716.1	716.7	717.4	718.0	718.0	717.4	716.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

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°	8.2	8.6	8.3	8.1	7.4	7.2	7.1	7.1	7.4	7.4	7.4
90°	20.9	21.2	18.2	15.2	12.3	9.4	7.1	5.5	3.8	2.2	0.6
92.5°	19.3	19.2	18.5	17.9	17.1	16.5	15.5	14.3	13.1	12.0	10.8
95°	38.7	38.7	38.5	38.2	37.9	37.7	36.9	35.5	34.2	32.8	31.5
97.5°	65.1	65.1	64.6	64.1	63.6	63.0	62.2	61.0	59.8	58.6	57.5
100°	83.5	83.5	83.1	82.7	82.3	81.9	81.1	80.1	79.0	77.9	76.8
102.5°	103.5	103.3	102.8	102.3	101.8	101.3	100.6	99.7	98.9	98.0	97.2
105°	133.4	133.1	132.8	132.6	132.3	132.0	131.7	131.3	130.9	130.4	130.0
107.5°	166.0	165.9	165.9	165.9	165.9	165.9	165.6	165.0	164.4	163.8	163.2
110°	188.2	188.2	188.2	188.2	188.2	188.2	187.8	186.9	186.1	185.3	184.5



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	210.6	210.9	211.0	211.1	211.2	211.3	211.0	210.2	209.4	208.6	207.7
115°	244.3	244.4	244.7	244.9	245.2	245.5	245.2	244.4	243.6	242.8	242.0
117.5°	277.3	277.6	278.3	279.1	279.8	280.5	280.4	279.3	278.3	277.2	276.1
120°	298.9	298.9	299.9	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9
122.5°	321.8	322.1	322.9	323.6	324.3	325.1	324.8	323.5	322.3	321.0	319.7
125°	355.3	355.7	356.1	356.5	356.9	357.3	356.9	355.7	354.5	353.4	352.1
127.5°	387.9	388.4	388.9	389.4	389.9	390.4	389.8	388.2	386.8	385.2	383.7
130°	409.9	410.2	410.4	410.7	411.0	411.2	410.5	408.8	407.0	405.3	403.5
132.5°	431.9	432.4	432.4	432.4	432.3	432.3	431.5	430.1	428.7	427.2	425.8
135°	463.3	463.4	463.2	462.9	462.6	462.4	461.5	460.0	458.5	457.1	455.6
137.5°	493.8	493.9	493.6	493.3	492.8	492.5	491.7	490.6	489.3	488.1	486.9
140°	514.2	514.2	513.6	512.9	512.3	511.5	510.6	509.4	508.2	507.0	505.8
142.5°	532.7	532.6	532.1	531.7	531.2	530.8	529.9	528.8	527.6	526.4	525.1
145°	560.9	560.8	560.0	559.2	558.4	557.6	556.8	555.8	554.8	553.9	552.9
147.5°	585.5	585.3	584.7	584.2	583.7	583.1	582.3	581.1	580.0	578.9	577.8
150°	601.2	600.8	600.2	599.7	599.2	598.6	597.9	597.1	596.3	595.5	594.7
152.5°	616.8	616.3	615.6	615.0	614.3	613.7	612.9	612.1	611.3	610.5	609.7
155°	636.5	635.9	635.4	635.0	634.6	634.2	633.8	633.4	633.0	632.6	632.2
157.5°	654.7	653.8	653.5	653.3	653.1	652.8	652.6	652.2	652.0	651.8	651.4
160°	665.7	664.9	664.7	664.6	664.5	664.4	664.1	663.9	663.6	663.3	663.1
162.5°	675.5	674.6	674.4	674.3	674.2	674.0	673.9	673.8	673.8	673.8	673.7
165°	688.2	687.3	687.3	687.3	687.3	687.3	687.4	687.5	687.6	687.7	687.9
167.5°	698.7	697.8	697.8	697.8	697.9	697.9	698.1	698.5	699.0	699.4	699.8
170°	704.6	703.6	703.8	703.8	704.0	704.2	704.4	704.8	705.2	705.6	706.0
172.5°	708.9	707.9	708.1	708.3	708.3	708.5	708.7	709.1	709.6	710.0	710.4
175°	713.6	712.7	713.0	713.2	713.5	713.8	714.1	714.5	714.9	715.3	715.7
177.5°	716.1	715.4	715.7	715.9	716.1	716.3	716.6	716.9	717.2	717.5	717.9
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

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°	8.8	10.4	10.8	12.1	11.8	12.5	13.0	13.3	13.5	13.2	12.8
90°	2.2	3.8	5.5	7.1	9.4	12.3	15.2	18.2	21.2	20.9	20.6
92.5°	12.0	13.1	14.3	15.5	16.5	17.1	17.9	18.5	19.2	19.3	19.3
95°	32.8	34.2	35.5	36.9	37.7	37.9	38.2	38.5	38.7	38.7	38.7
97.5°	58.6	59.8	61.0	62.2	63.0	63.6	64.1	64.6	65.1	65.1	65.1
100°	77.9	79.0	80.1	81.1	81.9	82.3	82.7	83.1	83.5	83.5	83.5
102.5°	98.0	98.9	99.7	100.6	101.3	101.8	102.3	102.8	103.3	103.5	103.5
105°	130.4	130.9	131.3	131.7	132.0	132.3	132.6	132.8	133.1	133.4	133.6
107.5°	163.8	164.4	165.0	165.6	165.9	165.9	165.9	165.9	165.9	166.0	166.1
110°	185.3	186.1	186.9	187.8	188.2	188.2	188.2	188.2	188.2	188.2	188.2



TEST NUMBER: P331532-930

CATALOG NUMBER: S122DIW-S675D710U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.6	209.4	210.2	211.0	211.3	211.2	211.1	211.0	210.9	210.6	210.3
115°	242.8	243.6	244.4	245.2	245.5	245.2	244.9	244.7	244.4	244.3	244.2
117.5°	277.2	278.3	279.3	280.4	280.5	279.8	279.1	278.3	277.6	277.3	277.0
120°	299.9	301.0	302.1	303.1	303.1	302.1	301.0	299.9	298.9	298.9	298.9
122.5°	321.0	322.3	323.5	324.8	325.1	324.3	323.6	322.9	322.1	321.8	321.5
125°	353.4	354.5	355.7	356.9	357.3	356.9	356.5	356.1	355.7	355.3	354.9
127.5°	385.2	386.8	388.2	389.8	390.4	389.9	389.4	388.9	388.4	387.9	387.4
130°	405.3	407.0	408.8	410.5	411.2	411.0	410.7	410.4	410.2	409.9	409.7
132.5°	427.2	428.7	430.1	431.5	432.3	432.3	432.4	432.4	432.4	431.9	431.3
135°	457.1	458.5	460.0	461.5	462.4	462.6	462.9	463.2	463.4	463.3	463.2
137.5°	488.1	489.3	490.6	491.7	492.5	492.8	493.3	493.6	493.9	493.8	493.7
140°	507.0	508.2	509.4	510.6	511.5	512.3	512.9	513.6	514.2	514.2	514.2
142.5°	526.4	527.6	528.8	529.9	530.8	531.2	531.7	532.1	532.6	532.7	532.9
145°	553.9	554.8	555.8	556.8	557.6	558.4	559.2	560.0	560.8	560.9	561.1
147.5°	578.9	580.0	581.1	582.3	583.1	583.7	584.2	584.7	585.3	585.5	585.9
150°	595.5	596.3	597.1	597.9	598.6	599.2	599.7	600.2	600.8	601.2	601.5
152.5°	610.5	611.3	612.1	612.9	613.7	614.3	615.0	615.6	616.3	616.8	617.3
155°	632.6	633.0	633.4	633.8	634.2	634.6	635.0	635.4	635.9	636.5	637.2
157.5°	651.8	652.0	652.2	652.6	652.8	653.1	653.3	653.5	653.8	654.7	655.6
160°	663.3	663.6	663.9	664.1	664.4	664.5	664.6	664.7	664.9	665.7	666.5
162.5°	673.8	673.8	673.8	673.9	674.0	674.2	674.3	674.4	674.6	675.5	676.4
165°	687.7	687.6	687.5	687.4	687.3	687.3	687.3	687.3	687.3	688.2	689.2
167.5°	699.4	699.0	698.5	698.1	697.9	697.9	697.8	697.8	697.8	698.7	699.7
170°	705.6	705.2	704.8	704.4	704.2	704.0	703.8	703.8	703.6	704.6	705.5
172.5°	710.0	709.6	709.1	708.7	708.5	708.3	708.3	708.1	707.9	708.9	709.9
175°	715.3	714.9	714.5	714.1	713.8	713.5	713.2	713.0	712.7	713.6	714.5
177.5°	717.5	717.2	716.9	716.6	716.3	716.1	715.9	715.7	715.4	716.1	716.7
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9



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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°	13.0	13.0	12.6	12.7	13.0	12.7	12.8
90°	20.4	20.1	20.1	20.1	20.3	20.5	20.5
92.5°	19.4	19.5	19.5	19.5	19.6	19.6	19.6
95°	38.7	38.7	38.6	38.3	38.1	37.7	37.5
97.5°	65.1	65.1	65.1	65.1	65.1	65.0	65.0
100°	83.5	83.5	83.4	83.3	83.2	83.0	82.9
102.5°	103.6	103.8	103.8	103.6	103.5	103.4	103.2
105°	133.9	134.2	134.3	134.3	134.3	134.3	134.3
107.5°	166.2	166.3	166.1	165.4	164.9	164.2	163.6
110°	188.2	188.2	187.9	187.5	187.1	186.7	186.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	209.9	209.6	209.3	209.0	208.7	208.4	208.1
115°	244.0	243.9	243.6	243.2	242.8	242.4	242.0
117.5°	276.6	276.3	275.9	275.5	275.1	274.7	274.3
120°	298.9	298.9	298.6	298.2	297.8	297.4	297.0
122.5°	321.1	320.8	320.5	320.2	319.9	319.6	319.4
125°	354.5	354.1	353.8	353.8	353.6	353.4	353.4
127.5°	386.9	386.5	386.0	385.6	385.1	384.7	384.3
130°	409.4	409.1	408.7	408.1	407.6	407.1	406.6
132.5°	430.6	430.1	429.6	429.2	428.7	428.3	427.9
135°	463.0	462.9	462.6	462.2	461.8	461.4	461.0
137.5°	493.6	493.5	493.2	492.6	492.1	491.5	491.0
140°	514.2	514.2	514.0	513.5	512.9	512.3	511.8
142.5°	533.0	533.0	532.9	532.3	531.7	531.2	530.7
145°	561.3	561.3	561.2	560.6	560.1	559.5	559.1
147.5°	586.1	586.4	586.4	585.9	585.3	584.8	584.3
150°	601.9	602.3	602.3	601.9	601.5	601.2	600.8
152.5°	617.8	618.3	618.3	617.8	617.3	616.8	616.3
155°	637.9	638.5	638.7	638.3	637.9	637.5	637.1
157.5°	656.5	657.4	657.5	656.9	656.2	655.6	654.9
160°	667.3	668.1	668.2	667.7	667.2	666.7	666.1
162.5°	677.4	678.2	678.3	677.7	677.1	676.5	675.8
165°	690.1	691.0	691.2	690.5	689.8	689.2	688.5
167.5°	700.6	701.6	701.6	701.0	700.3	699.6	698.9
170°	706.5	707.4	707.4	706.6	705.8	705.0	704.2
172.5°	710.8	711.8	711.8	711.0	710.2	709.4	708.6
175°	715.5	716.5	716.5	715.7	714.9	714.1	713.3
177.5°	717.4	718.0	718.0	717.4	716.7	716.1	715.4
180°	716.9	716.9	716.9	716.9	716.9	716.9	716.9

(END OF REPORT)