

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: P331532-927

Luminaire Tested: **S122DIW-S675D710U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331532-927
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-S675D710U927-4F0-1E-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: 4272.0 lumens
Efficiency: N/A
Efficacy: 94.9 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

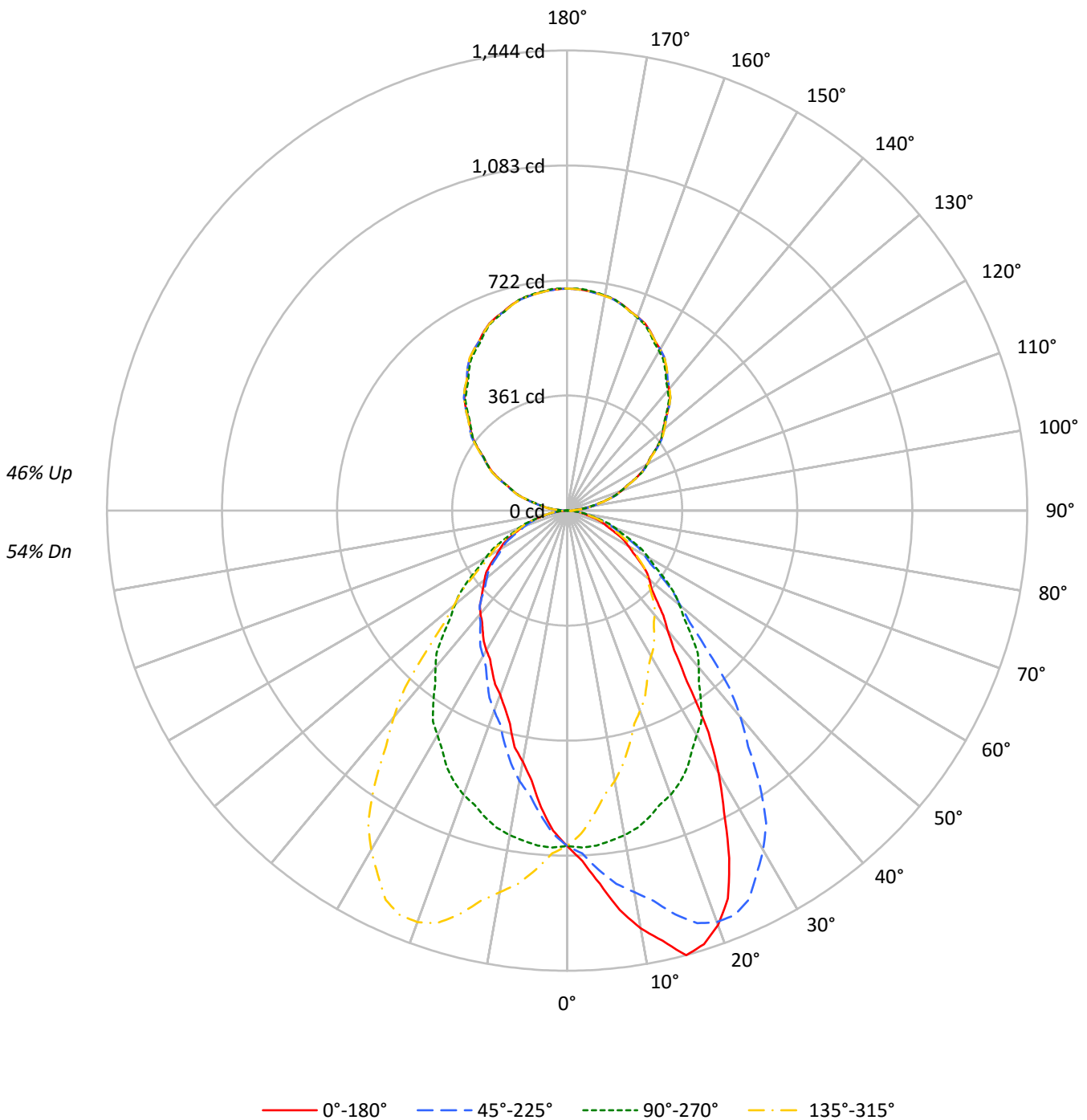
Input Watts (W): 45
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16990	16990	16990	16990
5°	19047	17099	15152	17099
10°	21827	16959	13114	16959
15°	24145	16649	11587	16649
20°	23778	16314	10562	16314
25°	21440	15871	9912	15871
30°	17717	15163	9439	15163
35°	12912	14420	9102	14420
40°	10313	13544	8916	13544
45°	9012	12529	8661	12529
50°	8470	11549	8493	11549
55°	7809	10553	8265	10553
60°	7156	9494	7915	9494
65°	6518	8542	7568	8542
70°	5915	7619	7062	7619
75°	5246	6581	6257	6581
80°	4519	5449	5040	5449
85°	4057	4057	3001	4057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	2.3
10°-20°	291.3	6.8
20°-30°	422.8	9.9
30°-40°	446.2	10.4
40°-50°	395.0	9.2
50°-60°	315.3	7.4
60°-70°	214.3	5.0
70°-80°	109.9	2.6
80°-90°	29.3	0.7
90°-100°	44.1	1.0
100°-110°	137.1	3.2
110°-120°	234.3	5.5
120°-130°	308.1	7.2
130°-140°	345.9	8.1
140°-150°	339.1	7.9
150°-160°	284.5	6.7
160°-170°	188.7	4.4
170°-180°	65.9	1.5
0°-30°	814.3	19.1
0°-40°	1260.5	29.5
0°-60°	1970.8	46.1
0°-90°	2324.2	54.4
90°-120°	415.5	9.7
90°-150°	1408.7	33.0
90°-180°	1948.0	45.6
0°-180°	4272.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1052	1052	1052	1052	1052	
5°	1175	1055	935	1055	1175	117
15°	1444	996	693	996	1444	399
25°	1204	891	556	891	1204	544
35°	655	732	462	732	655	426
45°	395	549	379	549	395	310
55°	277	375	294	375	277	249
65°	171	224	198	224	171	170
75°	84	106	100	106	84	90
85°	22	22	16	22	22	24
90°	20	1	20	1	20	10
95°	36	31	36	31	36	41
105°	130	126	130	126	130	137
115°	235	235	235	235	235	232
125°	343	342	343	342	343	306
135°	448	443	448	443	448	345
145°	543	537	543	537	543	339
155°	619	614	619	614	619	285
165°	669	668	669	668	669	189
175°	693	695	693	695	693	66
180°	697	697	697	697	697	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1100.7	1101.1	1101.8	1096.5	1095.9	1095.9	1091.4	1087.5	1083.0	1076.8	1077.4
5°	1175.2	1179.6	1181.2	1176.4	1169.1	1168.3	1161.4	1150.1	1139.6	1131.1	1125.1
7.5°	1264.0	1265.7	1261.8	1255.4	1250.0	1240.3	1227.5	1215.0	1197.4	1181.3	1169.3
10°	1331.3	1333.7	1326.8	1317.6	1309.9	1298.5	1279.9	1260.9	1237.9	1215.6	1197.8
12.5°	1382.4	1388.4	1379.6	1378.3	1365.2	1349.6	1327.5	1317.9	1285.4	1254.4	1235.3
15°	1444.5	1444.1	1444.9	1437.3	1427.5	1425.1	1401.6	1376.2	1330.5	1312.2	1280.7
17.5°	1426.6	1432.7	1435.5	1435.4	1435.2	1433.7	1426.2	1410.1	1387.2	1357.6	1321.2
20°	1383.9	1391.9	1393.1	1402.5	1407.7	1414.6	1417.4	1412.9	1398.8	1374.1	1342.6
22.5°	1317.9	1320.1	1323.9	1338.4	1349.8	1367.0	1376.0	1391.0	1385.5	1373.5	1347.1
25°	1203.5	1199.4	1213.6	1220.8	1247.1	1274.6	1294.5	1316.3	1335.7	1347.4	1339.7
27.5°	1066.1	1060.1	1081.2	1100.6	1122.0	1151.8	1182.6	1219.1	1249.4	1287.4	1300.4
30°	950.3	953.9	974.2	994.8	1027.1	1069.2	1104.0	1144.1	1187.3	1229.8	1259.3
32.5°	825.5	839.5	852.2	883.8	912.3	959.3	1010.2	1060.3	1114.2	1162.4	1208.2
35°	655.1	671.3	689.1	712.2	752.2	798.7	848.4	915.9	989.6	1055.5	1109.7
37.5°	551.4	548.8	559.0	575.7	608.2	645.6	702.9	769.7	856.3	933.7	1010.2
40°	489.3	487.7	495.0	510.3	535.0	562.5	612.7	671.3	751.8	846.4	937.4
42.5°	446.6	447.6	451.6	462.5	479.3	502.0	539.6	589.5	663.1	752.3	850.0
45°	394.7	397.5	402.0	407.3	416.9	435.5	456.5	492.2	550.4	624.8	721.0
47.5°	357.4	357.4	361.9	366.5	372.3	382.8	400.0	422.2	463.3	523.9	606.7
50°	337.2	334.5	337.7	341.3	347.4	354.7	366.0	387.0	414.5	463.4	532.6
52.5°	312.7	312.8	315.7	317.0	322.5	329.7	340.1	354.7	379.5	417.8	474.7
55°	277.4	279.4	281.1	283.4	288.4	293.6	301.7	311.4	330.8	359.5	401.6
57.5°	244.2	244.9	246.5	251.1	254.2	259.0	266.7	275.5	288.2	309.4	341.0
60°	221.6	221.6	224.8	226.9	230.9	235.8	241.9	250.3	261.7	279.0	304.5
62.5°	200.9	200.6	201.8	205.2	208.3	212.8	218.9	226.1	236.7	252.2	273.1
65°	170.6	169.8	172.3	173.1	176.3	180.8	185.6	193.3	201.8	213.1	231.7
67.5°	141.6	142.5	143.8	145.4	147.1	151.8	155.0	160.5	167.6	177.1	189.6
70°	125.3	125.3	125.3	126.6	129.0	131.4	134.7	139.1	146.0	154.1	165.4
72.5°	107.3	108.5	109.8	109.1	112.2	113.6	117.5	120.0	126.6	131.7	141.8
75°	84.1	84.1	84.1	86.1	87.4	88.6	91.0	93.4	96.6	103.1	108.4
77.5°	62.7	62.6	63.0	63.5	64.8	66.2	66.9	69.2	72.2	75.1	79.6
80°	48.6	49.4	49.7	50.5	50.5	51.3	51.7	54.6	56.6	58.6	61.5
82.5°	37.5	37.7	37.8	37.9	38.3	38.7	39.8	40.7	41.4	43.1	45.3
85°	21.9	21.5	21.5	22.3	21.9	21.9	22.7	23.4	23.4	23.8	25.0
87.5°	12.4	12.4	12.7	12.4	12.3	12.7	12.7	12.4	12.8	13.2	12.9
90°	20.0	19.9	19.7	19.6	19.5	19.6	19.8	20.0	20.3	20.6	17.7
92.5°	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.7	18.0
95°	36.4	36.7	37.0	37.2	37.5	37.6	37.6	37.6	37.6	37.6	37.4
97.5°	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	62.7
100°	80.6	80.6	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	80.7
102.5°	100.3	100.4	100.5	100.7	100.8	100.8	100.7	100.6	100.5	100.4	99.9
105°	130.5	130.5	130.5	130.5	130.5	130.4	130.1	129.8	129.6	129.4	129.0
107.5°	159.0	159.5	160.2	160.7	161.4	161.6	161.5	161.4	161.3	161.2	161.2
110°	181.1	181.4	181.8	182.2	182.6	182.8	182.8	182.8	182.8	182.8	182.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	202.2	202.5	202.8	203.1	203.4	203.7	204.0	204.3	204.6	204.9	205.0
115°	235.1	235.5	235.9	236.3	236.7	236.9	237.1	237.3	237.3	237.5	237.7
117.5°	266.5	266.9	267.3	267.7	268.1	268.5	268.8	269.1	269.4	269.7	270.5
120°	288.6	289.0	289.4	289.8	290.2	290.4	290.4	290.4	290.4	290.4	291.4
122.5°	310.3	310.5	310.9	311.1	311.4	311.7	312.0	312.4	312.7	313.0	313.7
125°	343.3	343.4	343.6	343.7	343.8	344.0	344.4	344.8	345.2	345.6	346.0
127.5°	373.4	373.8	374.2	374.6	375.1	375.5	376.0	376.4	376.9	377.4	377.9
130°	395.1	395.5	396.1	396.6	397.1	397.5	397.8	398.1	398.3	398.5	398.8
132.5°	415.7	416.1	416.5	417.0	417.4	417.9	418.4	419.1	419.6	420.2	420.2
135°	447.9	448.3	448.7	449.1	449.5	449.8	449.9	450.0	450.1	450.3	450.0
137.5°	477.1	477.6	478.2	478.6	479.2	479.5	479.6	479.7	479.8	479.9	479.6
140°	497.3	497.8	498.4	498.9	499.4	499.6	499.6	499.6	499.6	499.6	499.0
142.5°	515.6	516.2	516.7	517.2	517.8	517.9	517.8	517.8	517.6	517.5	517.1
145°	543.2	543.7	544.2	544.7	545.3	545.4	545.3	545.2	545.0	544.9	544.2
147.5°	567.8	568.2	568.7	569.3	569.7	569.8	569.5	569.3	568.9	568.7	568.2
150°	583.8	584.2	584.5	584.9	585.3	585.3	584.9	584.5	584.2	583.8	583.2
152.5°	598.8	599.3	599.8	600.2	600.8	600.8	600.2	599.8	599.3	598.8	598.2
155°	619.0	619.4	619.8	620.2	620.6	620.4	619.8	619.1	618.5	617.8	617.4
157.5°	636.4	637.0	637.6	638.3	638.9	638.7	637.9	637.0	636.1	635.3	635.0
160°	647.2	647.8	648.2	648.8	649.3	649.2	648.4	647.6	646.8	646.0	645.9
162.5°	656.6	657.3	657.9	658.5	659.1	659.0	658.1	657.2	656.3	655.5	655.3
165°	669.0	669.6	670.3	670.9	671.6	671.5	670.5	669.6	668.7	667.8	667.8
167.5°	679.1	679.8	680.4	681.1	681.8	681.7	680.7	679.9	678.9	678.0	678.0
170°	684.2	685.0	685.8	686.6	687.4	687.3	686.4	685.5	684.6	683.7	683.8
172.5°	688.5	689.3	690.1	690.9	691.6	691.6	690.6	689.8	688.8	687.9	688.0
175°	693.1	693.9	694.7	695.4	696.2	696.2	695.2	694.3	693.4	692.4	692.8
177.5°	695.1	695.8	696.4	697.0	697.7	697.7	697.0	696.4	695.8	695.1	695.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1079.7	1077.1	1075.5	1069.7	1064.5	1059.4	1057.7	1058.4	1051.3	1044.5	1041.6
5°	1121.8	1113.7	1106.0	1095.1	1082.2	1068.0	1060.7	1055.0	1040.9	1025.6	1016.7
7.5°	1159.5	1148.0	1133.1	1112.5	1093.8	1071.5	1057.3	1044.8	1024.1	1002.4	989.1
10°	1182.5	1166.6	1147.6	1122.6	1099.5	1072.5	1053.4	1034.4	1010.2	984.3	968.1
12.5°	1202.2	1180.9	1162.2	1130.0	1102.8	1068.9	1046.3	1019.5	994.0	963.3	947.5
15°	1249.2	1210.0	1174.3	1138.0	1104.4	1057.1	1032.1	996.0	962.4	924.5	906.3
17.5°	1285.5	1241.4	1185.3	1139.1	1099.9	1047.6	1010.7	967.7	928.0	884.5	859.8
20°	1306.2	1255.6	1195.4	1140.4	1093.4	1033.6	993.6	949.5	903.0	854.1	827.4
22.5°	1318.5	1265.4	1205.8	1135.5	1080.5	1022.3	971.9	923.6	876.5	823.7	795.7
25°	1322.4	1273.8	1210.8	1131.5	1064.4	998.5	937.8	890.9	833.9	784.5	743.7
27.5°	1303.1	1268.4	1207.7	1123.9	1045.7	968.6	901.0	847.9	787.7	734.1	693.1
30°	1279.5	1259.3	1200.2	1116.1	1030.8	947.9	873.5	813.3	753.4	699.2	657.1
32.5°	1242.9	1238.6	1186.7	1105.1	1014.9	921.7	844.7	783.8	717.5	664.2	624.2
35°	1171.2	1190.6	1157.8	1080.5	985.1	884.4	801.1	731.6	662.8	611.9	574.3
37.5°	1074.9	1123.1	1114.5	1044.6	944.8	843.8	751.9	679.1	613.6	562.2	525.3
40°	1008.5	1070.0	1079.0	1017.1	916.4	812.5	714.9	642.6	578.7	531.8	494.6
42.5°	937.4	1009.2	1033.6	984.0	885.3	779.4	682.0	607.0	543.8	498.1	465.2
45°	818.1	913.1	957.2	928.9	833.5	725.1	624.8	548.7	491.3	448.5	423.0
47.5°	706.5	810.4	869.7	859.7	775.8	668.4	569.3	496.4	440.5	406.2	383.4
50°	627.6	734.4	806.0	809.2	734.4	628.0	528.5	459.8	408.4	376.5	357.9
52.5°	559.0	660.9	739.0	756.1	688.1	586.0	492.0	423.6	378.3	349.0	332.3
55°	469.5	555.6	642.1	673.8	619.1	522.0	435.1	374.9	332.4	312.2	297.6
57.5°	390.3	462.2	542.1	576.9	543.3	460.2	378.7	326.4	291.9	274.2	263.0
60°	348.6	405.2	476.3	518.0	488.9	414.9	343.7	294.0	265.7	249.9	239.4
62.5°	309.7	359.9	420.1	458.2	442.4	372.6	308.8	264.9	240.4	225.6	218.1
65°	255.6	295.2	341.7	376.9	366.4	313.4	261.3	223.6	204.2	192.5	186.4
67.5°	210.5	239.1	271.3	302.1	293.7	256.1	214.3	185.0	170.5	160.4	156.8
70°	182.0	203.8	232.5	257.2	250.3	219.6	186.4	161.4	148.9	140.3	136.7
72.5°	154.8	172.8	194.6	214.8	210.2	184.7	157.0	138.1	128.4	120.6	117.6
75°	116.8	130.6	143.9	157.3	156.1	136.3	120.1	105.5	97.8	91.8	90.5
77.5°	86.3	94.0	103.1	111.0	108.8	97.4	84.8	76.4	70.7	66.7	66.1
80°	65.9	70.3	76.8	82.5	79.7	74.8	64.7	58.6	54.6	50.5	49.0
82.5°	47.8	52.3	56.2	59.2	57.0	52.5	46.3	42.1	39.7	37.0	36.3
85°	25.0	27.5	29.2	29.9	29.2	26.3	23.4	21.9	19.8	18.6	18.2
87.5°	12.7	12.1	11.5	11.7	10.5	10.1	8.6	7.2	7.2	7.2	6.9
90°	14.8	12.0	9.1	6.9	5.3	3.7	2.1	0.6	2.1	3.7	5.3
92.5°	17.3	16.6	16.0	15.1	13.9	12.8	11.6	10.5	11.6	12.8	13.9
95°	37.1	36.8	36.6	35.8	34.5	33.2	31.8	30.6	31.8	33.2	34.5
97.5°	62.3	61.8	61.2	60.4	59.3	58.1	57.0	55.8	57.0	58.1	59.3
100°	80.3	79.9	79.5	78.8	77.8	76.8	75.7	74.6	75.7	76.8	77.8
102.5°	99.4	98.9	98.4	97.8	96.9	96.1	95.2	94.4	95.2	96.1	96.9
105°	128.8	128.6	128.3	127.9	127.5	127.1	126.7	126.4	126.7	127.1	127.5
107.5°	161.2	161.2	161.2	160.9	160.3	159.8	159.1	158.6	159.1	159.8	160.3
110°	182.8	182.8	182.8	182.4	181.6	180.9	180.1	179.3	180.1	180.9	181.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	205.1	205.3	205.3	205.0	204.2	203.4	202.6	201.8	202.6	203.4	204.2
115°	238.0	238.3	238.5	238.3	237.5	236.7	235.9	235.1	235.9	236.7	237.5
117.5°	271.2	271.9	272.6	272.4	271.4	270.4	269.3	268.3	269.3	270.4	271.4
120°	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4	291.4	292.5	293.5
122.5°	314.4	315.1	315.9	315.6	314.3	313.1	311.9	310.6	311.9	313.1	314.3
125°	346.4	346.8	347.2	346.8	345.6	344.4	343.3	342.1	343.3	344.4	345.6
127.5°	378.3	378.8	379.3	378.7	377.2	375.8	374.3	372.8	374.3	375.8	377.2
130°	399.1	399.3	399.6	398.9	397.2	395.5	393.8	392.1	393.8	395.5	397.2
132.5°	420.1	420.0	420.0	419.2	417.9	416.5	415.1	413.8	415.1	416.5	417.9
135°	449.8	449.5	449.2	448.4	446.9	445.5	444.1	442.7	444.1	445.5	446.9
137.5°	479.3	478.9	478.6	477.8	476.7	475.5	474.3	473.1	474.3	475.5	476.7
140°	498.4	497.7	497.0	496.1	495.0	493.8	492.6	491.5	492.6	493.8	495.0
142.5°	516.7	516.2	515.8	514.9	513.8	512.6	511.4	510.2	511.4	512.6	513.8
145°	543.4	542.6	541.8	541.0	540.0	539.1	538.2	537.3	538.2	539.1	540.0
147.5°	567.6	567.1	566.6	565.8	564.7	563.6	562.4	561.4	562.4	563.6	564.7
150°	582.7	582.2	581.6	581.0	580.2	579.4	578.6	577.8	578.6	579.4	580.2
152.5°	597.5	596.9	596.3	595.6	594.8	594.0	593.2	592.4	593.2	594.0	594.8
155°	617.0	616.6	616.2	615.8	615.4	615.1	614.7	614.3	614.7	615.1	615.4
157.5°	634.8	634.5	634.3	634.1	633.7	633.5	633.3	633.0	633.3	633.5	633.7
160°	645.8	645.6	645.5	645.3	645.1	644.8	644.5	644.3	644.5	644.8	645.1
162.5°	655.2	655.1	654.9	654.8	654.7	654.7	654.7	654.6	654.7	654.7	654.7
165°	667.8	667.8	667.8	667.9	668.0	668.1	668.2	668.4	668.2	668.1	668.0
167.5°	678.0	678.1	678.1	678.3	678.7	679.1	679.5	679.9	679.5	679.1	678.7
170°	683.9	684.0	684.2	684.4	684.8	685.2	685.6	686.0	685.6	685.2	684.8
172.5°	688.2	688.2	688.4	688.6	689.0	689.4	689.8	690.2	689.8	689.4	689.0
175°	693.0	693.2	693.6	693.9	694.3	694.7	695.1	695.4	695.1	694.7	694.3
177.5°	695.6	695.8	696.0	696.2	696.6	696.9	697.2	697.5	697.2	696.9	696.6
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1038.3	1036.4	1029.6	1026.0	1020.2	1014.7	1011.1	1012.8	1014.1	1013.4	1012.4
5°	1008.5	1000.8	989.1	979.1	971.8	958.4	952.8	949.9	947.5	944.7	941.8
7.5°	973.1	961.0	944.2	929.8	916.2	899.6	890.2	884.5	878.7	872.3	866.6
10°	947.9	930.9	913.1	892.9	876.7	861.7	848.4	839.6	831.5	823.8	818.1
12.5°	921.4	901.8	879.8	852.2	834.3	812.9	810.9	795.2	782.6	777.8	771.2
15°	879.2	851.7	823.8	791.0	776.8	757.4	745.3	733.2	722.2	714.5	712.6
17.5°	831.2	795.6	767.9	744.3	721.1	701.2	690.1	680.3	671.4	661.1	659.7
20°	794.6	763.9	733.6	713.0	689.1	668.8	655.1	645.4	637.7	631.7	626.4
22.5°	760.0	726.4	698.6	676.0	652.5	636.2	625.3	616.0	609.6	602.9	597.9
25°	704.5	678.2	647.8	622.3	602.9	592.5	583.5	575.4	571.4	567.0	561.3
27.5°	655.8	626.6	598.3	578.5	561.5	552.2	545.8	540.3	536.5	533.9	530.8
30°	621.5	592.0	569.8	550.4	536.2	527.0	522.9	519.7	515.2	513.6	512.0
32.5°	588.6	562.0	543.0	526.1	512.6	506.5	502.8	499.9	496.5	494.8	491.5
35°	541.9	519.7	501.1	491.7	480.9	475.5	472.8	468.7	465.5	463.8	463.4
37.5°	498.0	478.6	466.4	454.5	449.9	446.6	442.8	440.0	439.0	438.8	438.4
40°	469.5	453.8	442.8	433.1	431.1	426.2	423.0	420.6	420.6	421.0	420.6
42.5°	443.6	429.4	419.9	411.5	409.1	406.2	402.9	402.7	403.5	404.8	403.5
45°	404.4	394.3	387.4	383.3	378.9	376.0	375.7	376.9	377.3	377.7	378.9
47.5°	368.3	361.6	355.4	350.9	349.0	348.5	348.0	350.1	352.0	352.8	354.7
50°	347.0	339.3	334.1	331.2	329.5	328.8	329.5	332.0	333.6	335.6	336.8
52.5°	323.1	317.6	313.9	311.8	311.2	311.6	311.8	314.6	317.1	317.8	318.5
55°	289.9	285.9	285.1	281.5	283.0	282.7	284.7	286.3	288.8	291.1	291.6
57.5°	257.0	253.7	251.5	251.8	252.3	254.1	255.8	258.6	261.3	263.8	264.0
60°	235.0	233.3	232.1	232.1	232.9	235.4	237.4	240.2	241.9	243.4	244.6
62.5°	214.9	213.3	212.1	212.7	214.8	216.3	218.6	220.1	221.7	223.4	223.9
65°	183.2	182.4	183.6	184.4	184.8	186.8	189.6	190.8	192.5	193.3	196.1
67.5°	154.0	154.2	154.0	155.1	157.5	158.0	160.7	163.4	163.7	165.3	167.2
70°	134.3	135.1	135.9	136.7	138.7	139.5	141.6	142.8	144.3	145.6	146.8
72.5°	116.1	116.3	117.1	116.9	118.7	120.4	122.2	123.3	124.9	126.5	127.7
75°	89.4	89.4	90.2	90.5	92.6	94.7	94.2	95.1	96.6	98.2	99.1
77.5°	65.3	64.4	65.3	65.7	66.3	68.0	68.4	69.5	71.3	70.7	71.7
80°	49.7	48.6	49.7	50.1	50.1	52.2	52.2	53.0	54.2	53.0	54.2
82.5°	35.5	34.9	35.8	35.9	36.5	36.6	37.3	37.5	38.7	38.1	38.7
85°	17.8	17.4	17.8	17.4	17.8	18.2	18.2	17.8	17.8	18.6	17.4
87.5°	6.9	7.0	7.2	7.8	8.1	8.3	7.9	7.9	7.8	7.1	7.1
90°	6.9	9.1	12.0	14.8	17.7	20.6	20.3	20.0	19.8	19.6	19.5
92.5°	15.1	16.0	16.6	17.3	18.0	18.7	18.8	18.8	18.9	18.9	18.9
95°	35.8	36.6	36.8	37.1	37.4	37.6	37.6	37.6	37.6	37.6	37.5
97.5°	60.4	61.2	61.8	62.3	62.7	63.2	63.2	63.2	63.2	63.2	63.2
100°	78.8	79.5	79.9	80.3	80.7	81.1	81.1	81.1	81.1	81.1	81.0
102.5°	97.8	98.4	98.9	99.4	99.9	100.4	100.5	100.6	100.7	100.8	100.8
105°	127.9	128.3	128.6	128.8	129.0	129.4	129.6	129.8	130.1	130.4	130.5
107.5°	160.9	161.2	161.2	161.2	161.2	161.2	161.3	161.4	161.5	161.6	161.4
110°	182.4	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	205.0	205.3	205.3	205.1	205.0	204.9	204.6	204.3	204.0	203.7	203.4
115°	238.3	238.5	238.3	238.0	237.7	237.5	237.3	237.3	237.1	236.9	236.7
117.5°	272.4	272.6	271.9	271.2	270.5	269.7	269.4	269.1	268.8	268.5	268.1
120°	294.5	294.5	293.5	292.5	291.4	290.4	290.4	290.4	290.4	290.4	290.2
122.5°	315.6	315.9	315.1	314.4	313.7	313.0	312.7	312.4	312.0	311.7	311.4
125°	346.8	347.2	346.8	346.4	346.0	345.6	345.2	344.8	344.4	344.0	343.8
127.5°	378.7	379.3	378.8	378.3	377.9	377.4	376.9	376.4	376.0	375.5	375.1
130°	398.9	399.6	399.3	399.1	398.8	398.5	398.3	398.1	397.8	397.5	397.1
132.5°	419.2	420.0	420.0	420.1	420.2	420.2	419.6	419.1	418.4	417.9	417.4
135°	448.4	449.2	449.5	449.8	450.0	450.3	450.1	450.0	449.9	449.8	449.5
137.5°	477.8	478.6	478.9	479.3	479.6	479.9	479.8	479.7	479.6	479.5	479.2
140°	496.1	497.0	497.7	498.4	499.0	499.6	499.6	499.6	499.6	499.6	499.4
142.5°	514.9	515.8	516.2	516.7	517.1	517.5	517.6	517.8	517.8	517.9	517.8
145°	541.0	541.8	542.6	543.4	544.2	544.9	545.0	545.2	545.3	545.4	545.3
147.5°	565.8	566.6	567.1	567.6	568.2	568.7	568.9	569.3	569.5	569.8	569.7
150°	581.0	581.6	582.2	582.7	583.2	583.8	584.2	584.5	584.9	585.3	585.3
152.5°	595.6	596.3	596.9	597.5	598.2	598.8	599.3	599.8	600.2	600.8	600.8
155°	615.8	616.2	616.6	617.0	617.4	617.8	618.5	619.1	619.8	620.4	620.6
157.5°	634.1	634.3	634.5	634.8	635.0	635.3	636.1	637.0	637.9	638.7	638.9
160°	645.3	645.5	645.6	645.8	645.9	646.0	646.8	647.6	648.4	649.2	649.3
162.5°	654.8	654.9	655.1	655.2	655.3	655.5	656.3	657.2	658.1	659.0	659.1
165°	667.9	667.8	667.8	667.8	667.8	667.8	668.7	669.6	670.5	671.5	671.6
167.5°	678.3	678.1	678.1	678.0	678.0	678.0	678.9	679.9	680.7	681.7	681.8
170°	684.4	684.2	684.0	683.9	683.8	683.7	684.6	685.5	686.4	687.3	687.4
172.5°	688.6	688.4	688.2	688.2	688.0	687.9	688.8	689.8	690.6	691.6	691.6
175°	693.9	693.6	693.2	693.0	692.8	692.4	693.4	694.3	695.2	696.2	696.2
177.5°	696.2	696.0	695.8	695.6	695.4	695.1	695.8	696.4	697.0	697.7	697.7
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1009.2	1008.5	1008.5	1005.7	1008.5	1008.5	1009.2	1012.4	1013.4	1014.1	1012.8
5°	936.2	934.9	933.0	934.9	933.0	934.9	936.2	941.8	944.7	947.5	949.9
7.5°	864.0	859.1	858.4	853.6	858.4	859.1	864.0	866.6	872.3	878.7	884.5
10°	811.2	807.9	807.6	799.9	807.6	807.9	811.2	818.1	823.8	831.5	839.6
12.5°	771.1	763.3	764.9	760.4	764.9	763.3	771.1	771.2	777.8	782.6	795.2
15°	701.6	701.6	700.0	693.2	700.0	701.6	701.6	712.6	714.5	722.2	733.2
17.5°	651.7	650.9	647.1	649.0	647.1	650.9	651.7	659.7	661.1	671.4	680.3
20°	621.9	619.6	614.7	614.7	614.7	619.6	621.9	626.4	631.7	637.7	645.4
22.5°	593.8	593.7	588.5	590.1	588.5	593.7	593.8	597.9	602.9	609.6	616.0
25°	560.9	557.7	555.2	556.4	555.2	557.7	560.9	561.3	567.0	571.4	575.4
27.5°	529.7	527.9	527.8	524.4	527.8	527.9	529.7	530.8	533.9	536.5	540.3
30°	511.6	507.6	508.3	506.3	508.3	507.6	511.6	512.0	513.6	515.2	519.7
32.5°	490.8	489.4	488.6	486.9	488.6	489.4	490.8	491.5	494.8	496.5	499.9
35°	462.6	463.0	461.1	461.8	461.1	463.0	462.6	463.4	463.8	465.5	468.7
37.5°	438.0	439.3	438.3	438.6	438.3	439.3	438.0	438.4	438.8	439.0	440.0
40°	421.8	421.8	421.8	423.0	421.8	421.8	421.8	420.6	421.0	420.6	420.6
42.5°	406.2	405.6	405.0	404.9	405.0	405.6	406.2	403.5	404.8	403.5	402.7
45°	379.7	381.0	381.4	379.3	381.4	381.0	379.7	378.9	377.7	377.3	376.9
47.5°	355.7	355.8	355.7	357.5	355.7	355.8	355.7	354.7	352.8	352.0	350.1
50°	338.9	338.1	338.9	338.1	338.9	338.1	338.9	336.8	335.6	333.6	332.0
52.5°	321.1	321.2	320.8	320.6	320.8	321.2	321.1	318.5	317.8	317.1	314.6
55°	293.2	294.0	293.6	293.6	293.6	294.0	293.2	291.6	291.1	288.8	286.3
57.5°	264.4	265.1	265.6	263.8	265.6	265.1	264.4	264.0	263.8	261.3	258.6
60°	244.2	246.3	245.9	245.1	245.9	246.3	244.2	244.6	243.4	241.9	240.2
62.5°	225.9	226.6	226.5	226.3	226.5	226.6	225.9	223.9	223.4	221.7	220.1
65°	197.3	198.1	196.9	198.1	196.9	198.1	197.3	196.1	193.3	192.5	190.8
67.5°	166.7	166.9	167.9	168.4	167.9	166.9	166.7	167.2	165.3	163.7	163.4
70°	147.6	147.2	148.4	149.6	148.4	147.2	147.6	146.8	145.6	144.3	142.8
72.5°	127.5	128.4	128.0	128.9	128.0	128.4	127.5	127.7	126.5	124.9	123.3
75°	98.2	99.5	99.1	100.3	99.1	99.5	98.2	99.1	98.2	96.6	95.1
77.5°	71.0	71.1	71.0	71.7	71.0	71.1	71.0	71.7	70.7	71.3	69.5
80°	54.2	53.4	52.6	54.2	52.6	53.4	54.2	54.2	53.0	54.2	53.0
82.5°	37.7	38.2	37.4	37.4	37.4	38.2	37.7	38.7	38.1	38.7	37.5
85°	17.4	17.0	16.2	16.2	16.2	17.0	17.4	17.4	18.6	17.8	17.8
87.5°	7.1	6.9	6.9	6.6	6.9	6.9	7.1	7.1	7.1	7.8	7.9
90°	19.6	19.7	19.9	20.0	19.9	19.7	19.6	19.5	19.6	19.8	20.0
92.5°	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8
95°	37.2	37.0	36.7	36.4	36.7	37.0	37.2	37.5	37.6	37.6	37.6
97.5°	63.2	63.2	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
100°	81.0	80.8	80.6	80.6	80.6	80.8	81.0	81.0	81.1	81.1	81.1
102.5°	100.7	100.5	100.4	100.3	100.4	100.5	100.7	100.8	100.8	100.7	100.6
105°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.4	130.1	129.8
107.5°	160.7	160.2	159.5	159.0	159.5	160.2	160.7	161.4	161.6	161.5	161.4
110°	182.2	181.8	181.4	181.1	181.4	181.8	182.2	182.6	182.8	182.8	182.8



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	203.1	202.8	202.5	202.2	202.5	202.8	203.1	203.4	203.7	204.0	204.3
115°	236.3	235.9	235.5	235.1	235.5	235.9	236.3	236.7	236.9	237.1	237.3
117.5°	267.7	267.3	266.9	266.5	266.9	267.3	267.7	268.1	268.5	268.8	269.1
120°	289.8	289.4	289.0	288.6	289.0	289.4	289.8	290.2	290.4	290.4	290.4
122.5°	311.1	310.9	310.5	310.3	310.5	310.9	311.1	311.4	311.7	312.0	312.4
125°	343.7	343.6	343.4	343.3	343.4	343.6	343.7	343.8	344.0	344.4	344.8
127.5°	374.6	374.2	373.8	373.4	373.8	374.2	374.6	375.1	375.5	376.0	376.4
130°	396.6	396.1	395.5	395.1	395.5	396.1	396.6	397.1	397.5	397.8	398.1
132.5°	417.0	416.5	416.1	415.7	416.1	416.5	417.0	417.4	417.9	418.4	419.1
135°	449.1	448.7	448.3	447.9	448.3	448.7	449.1	449.5	449.8	449.9	450.0
137.5°	478.6	478.2	477.6	477.1	477.6	478.2	478.6	479.2	479.5	479.6	479.7
140°	498.9	498.4	497.8	497.3	497.8	498.4	498.9	499.4	499.6	499.6	499.6
142.5°	517.2	516.7	516.2	515.6	516.2	516.7	517.2	517.8	517.9	517.8	517.8
145°	544.7	544.2	543.7	543.2	543.7	544.2	544.7	545.3	545.4	545.3	545.2
147.5°	569.3	568.7	568.2	567.8	568.2	568.7	569.3	569.7	569.8	569.5	569.3
150°	584.9	584.5	584.2	583.8	584.2	584.5	584.9	585.3	585.3	584.9	584.5
152.5°	600.2	599.8	599.3	598.8	599.3	599.8	600.2	600.8	600.8	600.2	599.8
155°	620.2	619.8	619.4	619.0	619.4	619.8	620.2	620.6	620.4	619.8	619.1
157.5°	638.3	637.6	637.0	636.4	637.0	637.6	638.3	638.9	638.7	637.9	637.0
160°	648.8	648.2	647.8	647.2	647.8	648.2	648.8	649.3	649.2	648.4	647.6
162.5°	658.5	657.9	657.3	656.6	657.3	657.9	658.5	659.1	659.0	658.1	657.2
165°	670.9	670.3	669.6	669.0	669.6	670.3	670.9	671.6	671.5	670.5	669.6
167.5°	681.1	680.4	679.8	679.1	679.8	680.4	681.1	681.8	681.7	680.7	679.9
170°	686.6	685.8	685.0	684.2	685.0	685.8	686.6	687.4	687.3	686.4	685.5
172.5°	690.9	690.1	689.3	688.5	689.3	690.1	690.9	691.6	691.6	690.6	689.8
175°	695.4	694.7	693.9	693.1	693.9	694.7	695.4	696.2	696.2	695.2	694.3
177.5°	697.0	696.4	695.8	695.1	695.8	696.4	697.0	697.7	697.7	697.0	696.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1011.1	1014.7	1020.2	1026.0	1029.6	1036.4	1038.3	1041.6	1044.5	1051.3	1058.4
5°	952.8	958.4	971.8	979.1	989.1	1000.8	1008.5	1016.7	1025.6	1040.9	1055.0
7.5°	890.2	899.6	916.2	929.8	944.2	961.0	973.1	989.1	1002.4	1024.1	1044.8
10°	848.4	861.7	876.7	892.9	913.1	930.9	947.9	968.1	984.3	1010.2	1034.4
12.5°	810.9	812.9	834.3	852.2	879.8	901.8	921.4	947.5	963.3	994.0	1019.5
15°	745.3	757.4	776.8	791.0	823.8	851.7	879.2	906.3	924.5	962.4	996.0
17.5°	690.1	701.2	721.1	744.3	767.9	795.6	831.2	859.8	884.5	928.0	967.7
20°	655.1	668.8	689.1	713.0	733.6	763.9	794.6	827.4	854.1	903.0	949.5
22.5°	625.3	636.2	652.5	676.0	698.6	726.4	760.0	795.7	823.7	876.5	923.6
25°	583.5	592.5	602.9	622.3	647.8	678.2	704.5	743.7	784.5	833.9	890.9
27.5°	545.8	552.2	561.5	578.5	598.3	626.6	655.8	693.1	734.1	787.7	847.9
30°	522.9	527.0	536.2	550.4	569.8	592.0	621.5	657.1	699.2	753.4	813.3
32.5°	502.8	506.5	512.6	526.1	543.0	562.0	588.6	624.2	664.2	717.5	783.8
35°	472.8	475.5	480.9	491.7	501.1	519.7	541.9	574.3	611.9	662.8	731.6
37.5°	442.8	446.6	449.9	454.5	466.4	478.6	498.0	525.3	562.2	613.6	679.1
40°	423.0	426.2	431.1	433.1	442.8	453.8	469.5	494.6	531.8	578.7	642.6
42.5°	402.9	406.2	409.1	411.5	419.9	429.4	443.6	465.2	498.1	543.8	607.0
45°	375.7	376.0	378.9	383.3	387.4	394.3	404.4	423.0	448.5	491.3	548.7
47.5°	348.0	348.5	349.0	350.9	355.4	361.6	368.3	383.4	406.2	440.5	496.4
50°	329.5	328.8	329.5	331.2	334.1	339.3	347.0	357.9	376.5	408.4	459.8
52.5°	311.8	311.6	311.2	311.8	313.9	317.6	323.1	332.3	349.0	378.3	423.6
55°	284.7	282.7	283.0	281.5	285.1	285.9	289.9	297.6	312.2	332.4	374.9
57.5°	255.8	254.1	252.3	251.8	251.5	253.7	257.0	263.0	274.2	291.9	326.4
60°	237.4	235.4	232.9	232.1	232.1	233.3	235.0	239.4	249.9	265.7	294.0
62.5°	218.6	216.3	214.8	212.7	212.1	213.3	214.9	218.1	225.6	240.4	264.9
65°	189.6	186.8	184.8	184.4	183.6	182.4	183.2	186.4	192.5	204.2	223.6
67.5°	160.7	158.0	157.5	155.1	154.0	154.2	154.0	156.8	160.4	170.5	185.0
70°	141.6	139.5	138.7	136.7	135.9	135.1	134.3	136.7	140.3	148.9	161.4
72.5°	122.2	120.4	118.7	116.9	117.1	116.3	116.1	117.6	120.6	128.4	138.1
75°	94.2	94.7	92.6	90.5	90.2	89.4	89.4	90.5	91.8	97.8	105.5
77.5°	68.4	68.0	66.3	65.7	65.3	64.4	65.3	66.1	66.7	70.7	76.4
80°	52.2	52.2	50.1	50.1	49.7	48.6	49.7	49.0	50.5	54.6	58.6
82.5°	37.3	36.6	36.5	35.9	35.8	34.9	35.5	36.3	37.0	39.7	42.1
85°	18.2	18.2	17.8	17.4	17.8	17.4	17.8	18.2	18.6	19.8	21.9
87.5°	7.9	8.3	8.1	7.8	7.2	7.0	6.9	6.9	7.2	7.2	7.2
90°	20.3	20.6	17.7	14.8	12.0	9.1	6.9	5.3	3.7	2.1	0.6
92.5°	18.8	18.7	18.0	17.3	16.6	16.0	15.1	13.9	12.8	11.6	10.5
95°	37.6	37.6	37.4	37.1	36.8	36.6	35.8	34.5	33.2	31.8	30.6
97.5°	63.2	63.2	62.7	62.3	61.8	61.2	60.4	59.3	58.1	57.0	55.8
100°	81.1	81.1	80.7	80.3	79.9	79.5	78.8	77.8	76.8	75.7	74.6
102.5°	100.5	100.4	99.9	99.4	98.9	98.4	97.8	96.9	96.1	95.2	94.4
105°	129.6	129.4	129.0	128.8	128.6	128.3	127.9	127.5	127.1	126.7	126.4
107.5°	161.3	161.2	161.2	161.2	161.2	161.2	160.9	160.3	159.8	159.1	158.6
110°	182.8	182.8	182.8	182.8	182.8	182.8	182.4	181.6	180.9	180.1	179.3



TEST NUMBER: P331532-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	204.6	204.9	205.0	205.1	205.3	205.3	205.0	204.2	203.4	202.6	201.8
115°	237.3	237.5	237.7	238.0	238.3	238.5	238.3	237.5	236.7	235.9	235.1
117.5°	269.4	269.7	270.5	271.2	271.9	272.6	272.4	271.4	270.4	269.3	268.3
120°	290.4	290.4	291.4	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4
122.5°	312.7	313.0	313.7	314.4	315.1	315.9	315.6	314.3	313.1	311.9	310.6
125°	345.2	345.6	346.0	346.4	346.8	347.2	346.8	345.6	344.4	343.3	342.1
127.5°	376.9	377.4	377.9	378.3	378.8	379.3	378.7	377.2	375.8	374.3	372.8
130°	398.3	398.5	398.8	399.1	399.3	399.6	398.9	397.2	395.5	393.8	392.1
132.5°	419.6	420.2	420.2	420.1	420.0	420.0	419.2	417.9	416.5	415.1	413.8
135°	450.1	450.3	450.0	449.8	449.5	449.2	448.4	446.9	445.5	444.1	442.7
137.5°	479.8	479.9	479.6	479.3	478.9	478.6	477.8	476.7	475.5	474.3	473.1
140°	499.6	499.6	499.0	498.4	497.7	497.0	496.1	495.0	493.8	492.6	491.5
142.5°	517.6	517.5	517.1	516.7	516.2	515.8	514.9	513.8	512.6	511.4	510.2
145°	545.0	544.9	544.2	543.4	542.6	541.8	541.0	540.0	539.1	538.2	537.3
147.5°	568.9	568.7	568.2	567.6	567.1	566.6	565.8	564.7	563.6	562.4	561.4
150°	584.2	583.8	583.2	582.7	582.2	581.6	581.0	580.2	579.4	578.6	577.8
152.5°	599.3	598.8	598.2	597.5	596.9	596.3	595.6	594.8	594.0	593.2	592.4
155°	618.5	617.8	617.4	617.0	616.6	616.2	615.8	615.4	615.1	614.7	614.3
157.5°	636.1	635.3	635.0	634.8	634.5	634.3	634.1	633.7	633.5	633.3	633.0
160°	646.8	646.0	645.9	645.8	645.6	645.5	645.3	645.1	644.8	644.5	644.3
162.5°	656.3	655.5	655.3	655.2	655.1	654.9	654.8	654.7	654.7	654.7	654.6
165°	668.7	667.8	667.8	667.8	667.8	667.8	667.9	668.0	668.1	668.2	668.4
167.5°	678.9	678.0	678.0	678.0	678.1	678.1	678.3	678.7	679.1	679.5	679.9
170°	684.6	683.7	683.8	683.9	684.0	684.2	684.4	684.8	685.2	685.6	686.0
172.5°	688.8	687.9	688.0	688.2	688.2	688.4	688.6	689.0	689.4	689.8	690.2
175°	693.4	692.4	692.8	693.0	693.2	693.6	693.9	694.3	694.7	695.1	695.4
177.5°	695.8	695.1	695.4	695.6	695.8	696.0	696.2	696.6	696.9	697.2	697.5
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1057.7	1059.4	1064.5	1069.7	1075.5	1077.1	1079.7	1077.4	1076.8	1083.0	1087.5
5°	1060.7	1068.0	1082.2	1095.1	1106.0	1113.7	1121.8	1125.1	1131.1	1139.6	1150.1
7.5°	1057.3	1071.5	1093.8	1112.5	1133.1	1148.0	1159.5	1169.3	1181.3	1197.4	1215.0
10°	1053.4	1072.5	1099.5	1122.6	1147.6	1166.6	1182.5	1197.8	1215.6	1237.9	1260.9
12.5°	1046.3	1068.9	1102.8	1130.0	1162.2	1180.9	1202.2	1235.3	1254.4	1285.4	1317.9
15°	1032.1	1057.1	1104.4	1138.0	1174.3	1210.0	1249.2	1280.7	1312.2	1330.5	1376.2
17.5°	1010.7	1047.6	1099.9	1139.1	1185.3	1241.4	1285.5	1321.2	1357.6	1387.2	1410.1
20°	993.6	1033.6	1093.4	1140.4	1195.4	1255.6	1306.2	1342.6	1374.1	1398.8	1412.9
22.5°	971.9	1022.3	1080.5	1135.5	1205.8	1265.4	1318.5	1347.1	1373.5	1385.5	1391.0
25°	937.8	998.5	1064.4	1131.5	1210.8	1273.8	1322.4	1339.7	1347.4	1335.7	1316.3
27.5°	901.0	968.6	1045.7	1123.9	1207.7	1268.4	1303.1	1300.4	1287.4	1249.4	1219.1
30°	873.5	947.9	1030.8	1116.1	1200.2	1259.3	1279.5	1259.3	1229.8	1187.3	1144.1
32.5°	844.7	921.7	1014.9	1105.1	1186.7	1238.6	1242.9	1208.2	1162.4	1114.2	1060.3
35°	801.1	884.4	985.1	1080.5	1157.8	1190.6	1171.2	1109.7	1055.5	989.6	915.9
37.5°	751.9	843.8	944.8	1044.6	1114.5	1123.1	1074.9	1010.2	933.7	856.3	769.7
40°	714.9	812.5	916.4	1017.1	1079.0	1070.0	1008.5	937.4	846.4	751.8	671.3
42.5°	682.0	779.4	885.3	984.0	1033.6	1009.2	937.4	850.0	752.3	663.1	589.5
45°	624.8	725.1	833.5	928.9	957.2	913.1	818.1	721.0	624.8	550.4	492.2
47.5°	569.3	668.4	775.8	859.7	869.7	810.4	706.5	606.7	523.9	463.3	422.2
50°	528.5	628.0	734.4	809.2	806.0	734.4	627.6	532.6	463.4	414.5	387.0
52.5°	492.0	586.0	688.1	756.1	739.0	660.9	559.0	474.7	417.8	379.5	354.7
55°	435.1	522.0	619.1	673.8	642.1	555.6	469.5	401.6	359.5	330.8	311.4
57.5°	378.7	460.2	543.3	576.9	542.1	462.2	390.3	341.0	309.4	288.2	275.5
60°	343.7	414.9	488.9	518.0	476.3	405.2	348.6	304.5	279.0	261.7	250.3
62.5°	308.8	372.6	442.4	458.2	420.1	359.9	309.7	273.1	252.2	236.7	226.1
65°	261.3	313.4	366.4	376.9	341.7	295.2	255.6	231.7	213.1	201.8	193.3
67.5°	214.3	256.1	293.7	302.1	271.3	239.1	210.5	189.6	177.1	167.6	160.5
70°	186.4	219.6	250.3	257.2	232.5	203.8	182.0	165.4	154.1	146.0	139.1
72.5°	157.0	184.7	210.2	214.8	194.6	172.8	154.8	141.8	131.7	126.6	120.0
75°	120.1	136.3	156.1	157.3	143.9	130.6	116.8	108.4	103.1	96.6	93.4
77.5°	84.8	97.4	108.8	111.0	103.1	94.0	86.3	79.6	75.1	72.2	69.2
80°	64.7	74.8	79.7	82.5	76.8	70.3	65.9	61.5	58.6	56.6	54.6
82.5°	46.3	52.5	57.0	59.2	56.2	52.3	47.8	45.3	43.1	41.4	40.7
85°	23.4	26.3	29.2	29.9	29.2	27.5	25.0	25.0	23.8	23.4	23.4
87.5°	8.6	10.1	10.5	11.7	11.5	12.1	12.7	12.9	13.2	12.8	12.4
90°	2.1	3.7	5.3	6.9	9.1	12.0	14.8	17.7	20.6	20.3	20.0
92.5°	11.6	12.8	13.9	15.1	16.0	16.6	17.3	18.0	18.7	18.8	18.8
95°	31.8	33.2	34.5	35.8	36.6	36.8	37.1	37.4	37.6	37.6	37.6
97.5°	57.0	58.1	59.3	60.4	61.2	61.8	62.3	62.7	63.2	63.2	63.2
100°	75.7	76.8	77.8	78.8	79.5	79.9	80.3	80.7	81.1	81.1	81.1
102.5°	95.2	96.1	96.9	97.8	98.4	98.9	99.4	99.9	100.4	100.5	100.6
105°	126.7	127.1	127.5	127.9	128.3	128.6	128.8	129.0	129.4	129.6	129.8
107.5°	159.1	159.8	160.3	160.9	161.2	161.2	161.2	161.2	161.2	161.3	161.4
110°	180.1	180.9	181.6	182.4	182.8	182.8	182.8	182.8	182.8	182.8	182.8



TEST NUMBER: P331532-927

CATALOG NUMBER: S122DIW-S675D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	202.6	203.4	204.2	205.0	205.3	205.3	205.1	205.0	204.9	204.6	204.3
115°	235.9	236.7	237.5	238.3	238.5	238.3	238.0	237.7	237.5	237.3	237.3
117.5°	269.3	270.4	271.4	272.4	272.6	271.9	271.2	270.5	269.7	269.4	269.1
120°	291.4	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4	290.4	290.4
122.5°	311.9	313.1	314.3	315.6	315.9	315.1	314.4	313.7	313.0	312.7	312.4
125°	343.3	344.4	345.6	346.8	347.2	346.8	346.4	346.0	345.6	345.2	344.8
127.5°	374.3	375.8	377.2	378.7	379.3	378.8	378.3	377.9	377.4	376.9	376.4
130°	393.8	395.5	397.2	398.9	399.6	399.3	399.1	398.8	398.5	398.3	398.1
132.5°	415.1	416.5	417.9	419.2	420.0	420.0	420.1	420.2	420.2	419.6	419.1
135°	444.1	445.5	446.9	448.4	449.2	449.5	449.8	450.0	450.3	450.1	450.0
137.5°	474.3	475.5	476.7	477.8	478.6	478.9	479.3	479.6	479.9	479.8	479.7
140°	492.6	493.8	495.0	496.1	497.0	497.7	498.4	499.0	499.6	499.6	499.6
142.5°	511.4	512.6	513.8	514.9	515.8	516.2	516.7	517.1	517.5	517.6	517.8
145°	538.2	539.1	540.0	541.0	541.8	542.6	543.4	544.2	544.9	545.0	545.2
147.5°	562.4	563.6	564.7	565.8	566.6	567.1	567.6	568.2	568.7	568.9	569.3
150°	578.6	579.4	580.2	581.0	581.6	582.2	582.7	583.2	583.8	584.2	584.5
152.5°	593.2	594.0	594.8	595.6	596.3	596.9	597.5	598.2	598.8	599.3	599.8
155°	614.7	615.1	615.4	615.8	616.2	616.6	617.0	617.4	617.8	618.5	619.1
157.5°	633.3	633.5	633.7	634.1	634.3	634.5	634.8	635.0	635.3	636.1	637.0
160°	644.5	644.8	645.1	645.3	645.5	645.6	645.8	645.9	646.0	646.8	647.6
162.5°	654.7	654.7	654.7	654.8	654.9	655.1	655.2	655.3	655.5	656.3	657.2
165°	668.2	668.1	668.0	667.9	667.8	667.8	667.8	667.8	667.8	668.7	669.6
167.5°	679.5	679.1	678.7	678.3	678.1	678.1	678.0	678.0	678.0	678.9	679.9
170°	685.6	685.2	684.8	684.4	684.2	684.0	683.9	683.8	683.7	684.6	685.5
172.5°	689.8	689.4	689.0	688.6	688.4	688.2	688.2	688.0	687.9	688.8	689.8
175°	695.1	694.7	694.3	693.9	693.6	693.2	693.0	692.8	692.4	693.4	694.3
177.5°	697.2	696.9	696.6	696.2	696.0	695.8	695.6	695.4	695.1	695.8	696.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1091.4	1095.9	1095.9	1096.5	1101.8	1101.1	1100.7
5°	1161.4	1168.3	1169.1	1176.4	1181.2	1179.6	1175.2
7.5°	1227.5	1240.3	1250.0	1255.4	1261.8	1265.7	1264.0
10°	1279.9	1298.5	1309.9	1317.6	1326.8	1333.7	1331.3
12.5°	1327.5	1349.6	1365.2	1378.3	1379.6	1388.4	1382.4
15°	1401.6	1425.1	1427.5	1437.3	1444.9	1444.1	1444.5
17.5°	1426.2	1433.7	1435.2	1435.4	1435.5	1432.7	1426.6
20°	1417.4	1414.6	1407.7	1402.5	1393.1	1391.9	1383.9
22.5°	1376.0	1367.0	1349.8	1338.4	1323.9	1320.1	1317.9
25°	1294.5	1274.6	1247.1	1220.8	1213.6	1199.4	1203.5
27.5°	1182.6	1151.8	1122.0	1100.6	1081.2	1060.1	1066.1
30°	1104.0	1069.2	1027.1	994.8	974.2	953.9	950.3
32.5°	1010.2	959.3	912.3	883.8	852.2	839.5	825.5
35°	848.4	798.7	752.2	712.2	689.1	671.3	655.1
37.5°	702.9	645.6	608.2	575.7	559.0	548.8	551.4
40°	612.7	562.5	535.0	510.3	495.0	487.7	489.3
42.5°	539.6	502.0	479.3	462.5	451.6	447.6	446.6
45°	456.5	435.5	416.9	407.3	402.0	397.5	394.7
47.5°	400.0	382.8	372.3	366.5	361.9	357.4	357.4
50°	366.0	354.7	347.4	341.3	337.7	334.5	337.2
52.5°	340.1	329.7	322.5	317.0	315.7	312.8	312.7
55°	301.7	293.6	288.4	283.4	281.1	279.4	277.4
57.5°	266.7	259.0	254.2	251.1	246.5	244.9	244.2
60°	241.9	235.8	230.9	226.9	224.8	221.6	221.6
62.5°	218.9	212.8	208.3	205.2	201.8	200.6	200.9
65°	185.6	180.8	176.3	173.1	172.3	169.8	170.6
67.5°	155.0	151.8	147.1	145.4	143.8	142.5	141.6
70°	134.7	131.4	129.0	126.6	125.3	125.3	125.3
72.5°	117.5	113.6	112.2	109.1	109.8	108.5	107.3
75°	91.0	88.6	87.4	86.1	84.1	84.1	84.1
77.5°	66.9	66.2	64.8	63.5	63.0	62.6	62.7
80°	51.7	51.3	50.5	50.5	49.7	49.4	48.6
82.5°	39.8	38.7	38.3	37.9	37.8	37.7	37.5
85°	22.7	21.9	21.9	22.3	21.5	21.5	21.9
87.5°	12.7	12.7	12.3	12.4	12.7	12.4	12.4
90°	19.8	19.6	19.5	19.6	19.7	19.9	20.0
92.5°	18.9	18.9	18.9	18.9	19.0	19.0	19.0
95°	37.6	37.6	37.5	37.2	37.0	36.7	36.4
97.5°	63.2	63.2	63.2	63.2	63.2	63.1	63.1
100°	81.1	81.1	81.0	81.0	80.8	80.6	80.6
102.5°	100.7	100.8	100.8	100.7	100.5	100.4	100.3
105°	130.1	130.4	130.5	130.5	130.5	130.5	130.5
107.5°	161.5	161.6	161.4	160.7	160.2	159.5	159.0
110°	182.8	182.8	182.6	182.2	181.8	181.4	181.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	204.0	203.7	203.4	203.1	202.8	202.5	202.2
115°	237.1	236.9	236.7	236.3	235.9	235.5	235.1
117.5°	268.8	268.5	268.1	267.7	267.3	266.9	266.5
120°	290.4	290.4	290.2	289.8	289.4	289.0	288.6
122.5°	312.0	311.7	311.4	311.1	310.9	310.5	310.3
125°	344.4	344.0	343.8	343.7	343.6	343.4	343.3
127.5°	376.0	375.5	375.1	374.6	374.2	373.8	373.4
130°	397.8	397.5	397.1	396.6	396.1	395.5	395.1
132.5°	418.4	417.9	417.4	417.0	416.5	416.1	415.7
135°	449.9	449.8	449.5	449.1	448.7	448.3	447.9
137.5°	479.6	479.5	479.2	478.6	478.2	477.6	477.1
140°	499.6	499.6	499.4	498.9	498.4	497.8	497.3
142.5°	517.8	517.9	517.8	517.2	516.7	516.2	515.6
145°	545.3	545.4	545.3	544.7	544.2	543.7	543.2
147.5°	569.5	569.8	569.7	569.3	568.7	568.2	567.8
150°	584.9	585.3	585.3	584.9	584.5	584.2	583.8
152.5°	600.2	600.8	600.8	600.2	599.8	599.3	598.8
155°	619.8	620.4	620.6	620.2	619.8	619.4	619.0
157.5°	637.9	638.7	638.9	638.3	637.6	637.0	636.4
160°	648.4	649.2	649.3	648.8	648.2	647.8	647.2
162.5°	658.1	659.0	659.1	658.5	657.9	657.3	656.6
165°	670.5	671.5	671.6	670.9	670.3	669.6	669.0
167.5°	680.7	681.7	681.8	681.1	680.4	679.8	679.1
170°	686.4	687.3	687.4	686.6	685.8	685.0	684.2
172.5°	690.6	691.6	691.6	690.9	690.1	689.3	688.5
175°	695.2	696.2	696.2	695.4	694.7	693.9	693.1
177.5°	697.0	697.7	697.7	697.0	696.4	695.8	695.1
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6

(END OF REPORT)