

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: P331531-940

Luminaire Tested: **S122DIW-S675D710U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331531-940
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-S675D710U940-4F0-1E-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: 5143.4 lumens
Efficiency: N/A
Efficacy: 114.3 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

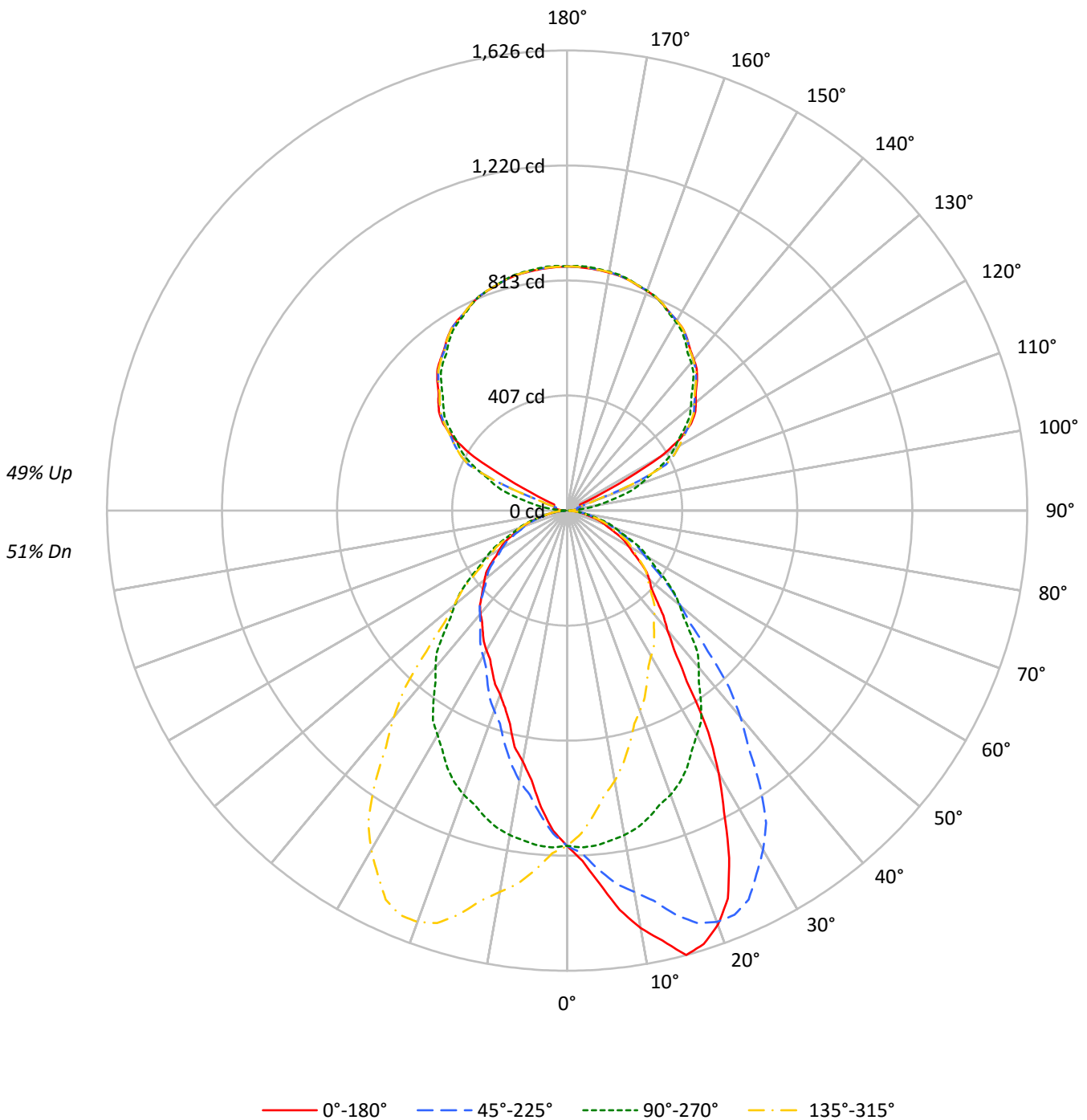
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19125	19125	19125	19125
5°	21441	19248	17057	19248
10°	24568	19090	14762	19090
15°	27178	18740	13041	18740
20°	26764	18364	11888	18364
25°	24134	17865	11158	17865
30°	19943	17066	10625	17066
35°	14534	16232	10247	16232
40°	11609	15247	10037	15247
45°	10145	14104	9750	14104
50°	9535	12999	9560	12999
55°	8791	11879	9303	11879
60°	8054	10685	8909	10685
65°	7339	9616	8520	9616
70°	6661	8573	7950	8573
75°	5908	7411	7043	7411
80°	5086	6137	5672	6137
85°	4557	4557	3372	4557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.2
10°-20°	327.9	6.4
20°-30°	475.9	9.3
30°-40°	502.2	9.8
40°-50°	444.7	8.6
50°-60°	354.9	6.9
60°-70°	241.2	4.7
70°-80°	123.7	2.4
80°-90°	31.9	0.6
90°-100°	28.8	0.6
100°-110°	105.5	2.1
110°-120°	282.1	5.5
120°-130°	465.6	9.1
130°-140°	495.2	9.6
140°-150°	460.3	8.9
150°-160°	370.1	7.2
160°-170°	238.5	4.6
170°-180°	82.1	1.6
0°-30°	916.7	17.8
0°-40°	1418.9	27.6
0°-60°	2218.4	43.1
0°-90°	2615.2	50.8
90°-120°	416.4	8.1
90°-150°	1837.6	35.7
90°-180°	2528.0	49.2
0°-180°	5143.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1184	1184	1184	1184	1184	
5°	1323	1188	1052	1188	1323	132
15°	1626	1121	780	1121	1626	449
25°	1355	1003	626	1003	1355	612
35°	737	824	520	824	737	480
45°	444	618	427	618	444	349
55°	312	422	330	422	312	280
65°	192	252	223	252	192	191
75°	95	119	113	119	95	101
85°	25	25	18	25	25	27
90°	17	1	17	1	17	9
95°	27	41	27	41	27	25
105°	47	190	47	190	47	49
115°	51	359	51	359	51	128
125°	534	508	534	508	534	462
135°	649	628	649	628	649	500
145°	740	728	740	728	740	463
155°	803	802	803	802	803	370
165°	843	845	843	845	843	238
175°	860	865	860	865	860	82
180°	863	863	863	863	863	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1239.0	1239.4	1240.2	1234.3	1233.6	1233.6	1228.5	1224.1	1219.1	1212.1	1212.8
5°	1322.9	1327.8	1329.6	1324.2	1316.0	1315.1	1307.3	1294.6	1282.7	1273.2	1266.4
7.5°	1422.8	1424.8	1420.3	1413.1	1407.0	1396.2	1381.7	1367.6	1347.8	1329.7	1316.3
10°	1498.5	1501.3	1493.5	1483.1	1474.4	1461.7	1440.7	1419.3	1393.4	1368.3	1348.3
12.5°	1556.0	1562.8	1552.9	1551.5	1536.7	1519.2	1494.2	1483.5	1446.9	1412.0	1390.5
15°	1625.9	1625.5	1626.5	1617.8	1606.9	1604.1	1577.7	1549.1	1497.6	1477.1	1441.6
17.5°	1605.8	1612.7	1615.9	1615.8	1615.5	1613.8	1605.3	1587.2	1561.5	1528.2	1487.2
20°	1557.7	1566.8	1568.2	1578.7	1584.6	1592.3	1595.4	1590.5	1574.6	1546.8	1511.3
22.5°	1483.5	1485.9	1490.2	1506.5	1519.4	1538.7	1548.9	1565.8	1559.6	1546.0	1516.4
25°	1354.7	1350.1	1366.1	1374.2	1403.8	1434.8	1457.1	1481.7	1503.5	1516.7	1508.1
27.5°	1200.1	1193.3	1217.1	1238.9	1262.9	1296.5	1331.2	1372.3	1406.4	1449.1	1463.7
30°	1069.7	1073.8	1096.6	1119.8	1156.2	1203.5	1242.7	1287.8	1336.5	1384.3	1417.5
32.5°	929.2	944.9	959.3	994.9	1026.9	1079.8	1137.1	1193.5	1254.2	1308.5	1359.9
35°	737.4	755.6	775.7	801.6	846.7	899.0	955.0	1031.0	1113.9	1188.1	1249.1
37.5°	620.7	617.8	629.3	648.0	684.6	726.7	791.2	866.4	963.9	1051.1	1137.1
40°	550.8	548.9	557.1	574.4	602.3	633.2	689.6	755.6	846.2	952.7	1055.2
42.5°	502.7	503.8	508.4	520.6	539.6	565.1	607.3	663.5	746.5	846.8	956.8
45°	444.3	447.5	452.5	458.4	469.3	490.3	513.9	554.0	619.6	703.3	811.6
47.5°	402.3	402.3	407.4	412.6	419.1	430.9	450.2	475.3	521.6	589.8	682.9
50°	379.6	376.5	380.1	384.1	391.0	399.2	412.0	435.6	466.5	521.7	599.5
52.5°	352.0	352.0	355.3	356.9	363.0	371.1	382.8	399.2	427.2	470.3	534.3
55°	312.3	314.5	316.4	319.1	324.6	330.5	339.6	350.5	372.4	404.7	452.0
57.5°	274.9	275.6	277.5	282.7	286.1	291.6	300.2	310.1	324.4	348.3	383.9
60°	249.4	249.4	253.1	255.4	259.9	265.4	272.2	281.8	294.5	314.1	342.8
62.5°	226.1	225.8	227.2	231.0	234.4	239.5	246.4	254.5	266.4	283.8	307.5
65°	192.1	191.2	193.9	194.8	198.5	203.5	208.9	217.6	227.1	239.9	260.8
67.5°	159.3	160.4	161.8	163.6	165.6	170.9	174.5	180.7	188.7	199.3	213.5
70°	141.1	141.1	141.1	142.5	145.2	147.9	151.6	156.6	164.3	173.4	186.2
72.5°	120.7	122.2	123.6	122.8	126.3	127.9	132.2	135.1	142.5	148.3	159.6
75°	94.7	94.7	94.7	96.9	98.4	99.7	102.5	105.1	108.8	116.1	122.0
77.5°	70.6	70.4	70.9	71.4	72.9	74.5	75.3	77.8	81.2	84.5	89.6
80°	54.7	55.6	56.0	56.9	56.9	57.8	58.2	61.4	63.8	66.0	69.2
82.5°	42.3	42.4	42.5	42.7	43.1	43.6	44.8	45.8	46.6	48.5	51.0
85°	24.6	24.2	24.2	25.1	24.6	24.6	25.5	26.4	26.4	26.8	28.2
87.5°	12.8	12.8	13.1	12.7	12.6	12.8	12.8	12.2	12.5	12.7	12.8
90°	16.9	16.6	16.3	16.1	15.8	15.2	14.5	13.9	13.2	12.5	11.4
92.5°	16.9	16.7	16.5	16.3	16.2	16.0	15.6	15.2	14.8	14.4	13.9
95°	26.8	27.0	27.1	27.3	27.4	27.1	26.4	25.8	25.1	24.3	23.4
97.5°	35.8	35.7	35.5	35.3	35.1	34.8	34.2	33.7	33.2	32.5	30.3
100°	41.8	41.6	41.3	41.0	40.8	40.0	38.9	37.8	36.6	35.6	33.3
102.5°	44.9	44.4	44.1	43.7	43.2	42.4	40.9	39.5	38.0	36.6	56.3
105°	47.4	46.9	46.4	45.7	45.2	44.1	42.6	41.1	39.6	38.1	76.0
107.5°	48.8	48.2	47.7	47.2	46.6	47.1	48.7	50.2	51.7	53.3	98.7
110°	49.3	48.8	48.2	47.6	47.1	53.8	67.6	81.5	95.4	109.2	149.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.8	49.4	49.0	48.5	48.1	73.1	123.8	174.3	225.0	275.5	285.4
115°	51.2	61.2	71.2	81.1	91.1	128.2	192.4	256.7	320.9	385.1	381.7
117.5°	209.0	241.8	274.6	307.5	340.3	364.4	380.0	395.6	411.1	426.6	424.2
120°	380.8	399.5	418.2	436.9	455.7	464.2	462.5	460.9	459.2	457.5	455.0
122.5°	475.2	478.8	482.4	486.1	489.7	491.1	490.0	489.0	488.0	487.1	484.3
125°	533.7	533.3	532.9	532.4	532.1	531.4	530.4	529.4	528.4	527.4	524.9
127.5°	570.7	570.6	570.5	570.4	570.3	569.6	568.2	566.8	565.3	563.9	562.0
130°	593.7	593.8	594.0	594.1	594.2	593.5	592.0	590.5	589.0	587.5	585.9
132.5°	616.2	616.3	616.4	616.5	616.7	616.1	614.8	613.5	612.2	610.9	609.4
135°	648.6	648.9	649.2	649.4	649.7	649.2	647.7	646.4	645.0	643.6	642.4
137.5°	678.1	678.7	679.1	679.6	680.1	679.7	678.2	676.9	675.6	674.2	672.8
140°	696.7	697.3	698.0	698.7	699.5	699.2	697.9	696.7	695.4	694.2	692.6
142.5°	714.6	715.3	716.0	716.8	717.4	717.2	716.0	714.9	713.8	712.7	710.9
145°	739.8	740.4	741.1	741.8	742.5	742.3	741.4	740.4	739.5	738.5	736.1
147.5°	761.8	762.4	763.0	763.6	764.2	764.1	763.4	762.7	762.0	761.2	758.8
150°	775.3	776.0	776.7	777.4	778.1	778.0	777.2	776.3	775.5	774.7	772.5
152.5°	786.8	787.7	788.6	789.5	790.5	790.5	789.7	788.8	788.0	787.2	785.1
155°	802.8	803.9	805.0	806.1	807.2	807.4	806.6	805.7	804.9	804.1	802.4
157.5°	817.3	818.5	819.6	820.6	821.7	821.8	820.8	819.9	818.9	818.0	816.8
160°	825.9	826.9	827.8	828.8	829.7	829.8	829.0	828.1	827.3	826.5	825.6
162.5°	832.9	834.0	835.3	836.4	837.7	837.8	836.8	835.9	834.9	834.0	833.3
165°	843.4	844.4	845.3	846.2	847.2	847.2	846.2	845.3	844.4	843.4	842.9
167.5°	850.0	851.2	852.5	853.7	855.0	855.1	854.2	853.2	852.2	851.2	850.9
170°	854.0	855.2	856.5	857.7	859.0	859.1	858.1	857.2	856.2	855.2	855.0
172.5°	856.9	858.2	859.4	860.7	861.9	862.1	861.1	860.1	859.2	858.2	857.9
175°	859.6	860.9	862.4	863.7	865.1	865.3	864.3	863.4	862.5	861.5	861.2
177.5°	861.2	862.2	863.2	864.2	865.2	865.3	864.5	863.8	863.0	862.2	862.1
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1215.4	1212.5	1210.7	1204.1	1198.3	1192.5	1190.6	1191.3	1183.4	1175.7	1172.4
5°	1262.8	1253.7	1245.0	1232.7	1218.2	1202.2	1194.0	1187.6	1171.7	1154.4	1144.4
7.5°	1305.2	1292.2	1275.5	1252.3	1231.2	1206.1	1190.2	1176.1	1152.7	1128.4	1113.4
10°	1331.1	1313.2	1291.8	1263.6	1237.7	1207.2	1185.8	1164.4	1137.1	1108.0	1089.8
12.5°	1353.3	1329.3	1308.2	1272.0	1241.4	1203.2	1177.8	1147.6	1118.9	1084.3	1066.5
15°	1406.1	1362.0	1321.9	1280.9	1243.1	1189.9	1161.7	1121.1	1083.3	1040.6	1020.1
17.5°	1447.0	1397.4	1334.3	1282.2	1238.1	1179.2	1137.7	1089.2	1044.6	995.6	967.8
20°	1470.3	1413.4	1345.6	1283.7	1230.8	1163.5	1118.5	1068.8	1016.5	961.4	931.3
22.5°	1484.2	1424.3	1357.3	1278.2	1216.3	1150.8	1094.0	1039.6	986.6	927.2	895.6
25°	1488.5	1433.9	1362.9	1273.6	1198.1	1123.9	1055.6	1002.8	938.6	883.1	837.1
27.5°	1466.9	1427.7	1359.4	1265.1	1177.1	1090.3	1014.2	954.4	886.6	826.3	780.2
30°	1440.3	1417.5	1351.0	1256.3	1160.3	1067.0	983.2	915.4	848.0	787.0	739.7
32.5°	1399.1	1394.2	1335.8	1243.9	1142.5	1037.5	950.8	882.3	807.6	747.7	702.6
35°	1318.3	1340.2	1303.2	1216.3	1108.8	995.5	901.8	823.5	746.1	688.8	646.4
37.5°	1210.0	1264.2	1254.5	1175.8	1063.5	949.9	846.3	764.5	690.7	632.8	591.3
40°	1135.2	1204.4	1214.5	1144.9	1031.5	914.5	804.8	723.4	651.4	598.6	556.7
42.5°	1055.2	1136.0	1163.5	1107.7	996.5	877.4	767.7	683.2	612.1	560.7	523.6
45°	920.9	1027.9	1077.5	1045.6	938.2	816.2	703.3	617.7	553.0	504.8	476.2
47.5°	795.3	912.2	978.9	967.7	873.3	752.4	640.9	558.7	495.8	457.3	431.6
50°	706.5	826.6	907.2	910.9	826.6	706.9	594.9	517.5	459.8	423.8	402.9
52.5°	629.3	744.0	831.9	851.1	774.5	659.6	553.8	476.8	425.9	392.8	374.1
55°	528.5	625.4	722.8	758.4	696.9	587.6	489.8	422.0	374.2	351.4	335.0
57.5°	439.3	520.2	610.2	649.4	611.5	518.0	426.2	367.4	328.6	308.6	296.0
60°	392.4	456.1	536.2	583.1	550.4	467.1	386.9	330.9	299.1	281.3	269.5
62.5°	348.7	405.1	472.9	515.8	497.9	419.4	347.6	298.2	270.6	254.0	245.5
65°	287.7	332.3	384.7	424.3	412.4	352.8	294.1	251.7	229.9	216.7	209.8
67.5°	236.9	269.1	305.4	340.1	330.6	288.3	241.2	208.2	191.9	180.6	176.5
70°	204.8	229.4	261.7	289.5	281.8	247.2	209.8	181.6	167.6	157.9	153.8
72.5°	174.2	194.5	219.1	241.8	236.6	207.9	176.7	155.4	144.5	135.7	132.3
75°	131.5	147.0	162.0	177.1	175.7	153.4	135.2	118.8	110.1	103.3	101.9
77.5°	97.1	105.8	116.0	124.9	122.4	109.7	95.4	86.1	79.6	75.1	74.4
80°	74.2	79.2	86.5	92.8	89.7	84.2	72.9	66.0	61.4	56.9	55.1
82.5°	53.8	58.9	63.2	66.6	64.2	59.1	52.1	47.4	44.7	41.6	40.8
85°	28.2	30.9	32.8	33.7	32.8	29.6	26.4	24.6	22.3	21.0	20.5
87.5°	13.0	12.8	12.6	13.0	11.6	11.3	9.5	8.1	8.1	8.0	7.6
90°	10.3	9.2	8.0	6.7	5.2	3.7	2.1	0.6	2.1	3.7	5.2
92.5°	13.4	12.8	12.3	12.0	12.2	12.3	12.5	12.6	12.5	12.3	12.2
95°	22.4	21.4	20.4	22.3	26.8	31.4	36.0	40.6	36.0	31.4	26.8
97.5°	28.1	25.9	23.6	28.9	41.8	54.8	67.6	80.5	67.6	54.8	41.8
100°	30.9	28.5	26.1	34.5	53.5	72.5	91.5	110.5	91.5	72.5	53.5
102.5°	76.1	95.8	115.5	127.3	131.3	135.4	139.5	143.5	139.5	135.4	131.3
105°	113.8	151.7	189.6	206.4	202.2	198.1	193.9	189.8	193.9	198.1	202.2
107.5°	144.2	189.6	235.0	256.0	252.6	249.3	245.9	242.5	245.9	249.3	252.6
110°	189.4	229.5	269.6	288.2	285.3	282.4	279.5	276.5	279.5	282.4	285.3



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	295.3	305.2	315.1	318.8	316.2	313.7	311.1	308.5	311.1	313.7	316.2
115°	378.3	374.8	371.3	368.4	366.0	363.6	361.3	358.9	361.3	363.6	366.0
117.5°	421.9	419.5	417.1	414.6	411.9	409.3	406.6	404.0	406.6	409.3	411.9
120°	452.5	450.0	447.5	445.3	443.2	441.1	439.1	436.9	439.1	441.1	443.2
122.5°	481.6	478.8	476.2	473.7	471.5	469.3	467.2	464.9	467.2	469.3	471.5
125°	522.2	519.6	516.9	514.7	512.9	511.1	509.3	507.5	509.3	511.1	512.9
127.5°	560.0	558.0	556.1	554.1	552.1	550.1	548.0	546.1	548.0	550.1	552.1
130°	584.3	582.8	581.3	579.4	577.2	575.0	572.7	570.5	572.7	575.0	577.2
132.5°	607.8	606.3	604.8	603.1	601.2	599.3	597.4	595.6	597.4	599.3	601.2
135°	641.1	639.9	638.6	636.9	634.6	632.4	630.2	628.0	630.2	632.4	634.6
137.5°	671.4	669.9	668.5	667.0	665.5	664.0	662.4	660.8	662.4	664.0	665.5
140°	691.1	689.6	688.0	686.7	685.6	684.5	683.4	682.3	683.4	684.5	685.6
142.5°	709.2	707.4	705.6	704.3	703.3	702.3	701.2	700.3	701.2	702.3	703.3
145°	733.8	731.4	729.1	727.9	728.1	728.3	728.3	728.5	728.3	728.3	728.1
147.5°	756.5	754.2	751.9	751.0	751.5	752.1	752.6	753.0	752.6	752.1	751.5
150°	770.3	768.0	765.8	765.2	766.2	767.1	768.1	769.1	768.1	767.1	766.2
152.5°	782.9	780.9	778.7	778.2	779.3	780.4	781.5	782.6	781.5	780.4	779.3
155°	800.7	799.1	797.4	797.2	798.4	799.7	800.9	802.2	800.9	799.7	798.4
157.5°	815.6	814.5	813.3	813.3	814.3	815.4	816.5	817.5	816.5	815.4	814.3
160°	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5	825.6	824.8	824.0
162.5°	832.6	831.8	831.1	831.2	832.0	832.9	833.7	834.5	833.7	832.9	832.0
165°	842.5	842.1	841.7	841.9	842.8	843.6	844.4	845.3	844.4	843.6	842.8
167.5°	850.4	850.1	849.7	849.9	850.7	851.6	852.4	853.2	852.4	851.6	850.7
170°	854.7	854.3	854.1	854.3	855.2	856.0	856.8	857.7	856.8	856.0	855.2
172.5°	857.6	857.4	857.1	857.4	858.2	859.1	859.9	860.7	859.9	859.1	858.2
175°	860.9	860.6	860.3	860.7	861.7	862.6	863.6	864.6	863.6	862.6	861.7
177.5°	862.0	861.8	861.7	862.1	862.9	863.6	864.4	865.2	864.4	863.6	862.9
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1168.8	1166.6	1159.0	1154.9	1148.3	1142.2	1138.2	1140.1	1141.5	1140.8	1139.6
5°	1135.2	1126.6	1113.4	1102.1	1093.9	1078.8	1072.5	1069.3	1066.6	1063.4	1060.2
7.5°	1095.4	1081.7	1062.8	1046.6	1031.3	1012.6	1002.0	995.6	989.1	981.9	975.5
10°	1067.0	1047.8	1027.9	1005.0	986.9	970.0	955.0	945.0	935.9	927.3	920.9
12.5°	1037.1	1015.1	990.3	959.2	939.1	915.1	912.8	895.1	880.9	875.6	868.1
15°	989.6	958.7	927.3	890.4	874.4	852.6	838.9	825.3	813.0	804.3	802.1
17.5°	935.6	895.5	864.3	837.9	811.7	789.3	776.8	765.8	755.7	744.1	742.6
20°	894.5	859.9	825.7	802.5	775.7	752.9	737.4	726.5	717.8	711.1	705.1
22.5°	855.5	817.6	786.4	761.0	734.5	716.1	703.9	693.4	686.2	678.6	673.1
25°	793.0	763.4	729.2	700.5	678.7	666.9	656.8	647.7	643.2	638.2	631.9
27.5°	738.2	705.3	673.4	651.2	632.0	621.5	614.4	608.2	604.0	601.0	597.4
30°	699.6	666.4	641.4	619.6	603.6	593.2	588.6	585.0	580.0	578.1	576.3
32.5°	662.5	632.6	611.2	592.2	577.0	570.2	566.0	562.8	558.8	557.0	553.3
35°	609.9	585.0	564.0	553.5	541.3	535.3	532.2	527.5	524.0	522.1	521.7
37.5°	560.5	538.8	525.0	511.6	506.4	502.7	498.4	495.3	494.2	493.9	493.5
40°	528.5	510.8	498.5	487.5	485.3	479.7	476.2	473.4	473.4	473.9	473.4
42.5°	499.4	483.4	472.6	463.2	460.5	457.2	453.5	453.3	454.1	455.7	454.1
45°	455.2	443.8	436.0	431.5	426.5	423.3	422.8	424.3	424.7	425.2	426.5
47.5°	414.6	407.1	400.0	395.0	392.8	392.3	391.7	394.1	396.3	397.1	399.2
50°	390.6	381.9	376.0	372.8	371.0	370.1	371.0	373.7	375.5	377.8	379.2
52.5°	363.6	357.5	353.4	351.0	350.3	350.8	351.0	354.1	357.0	357.8	358.5
55°	326.4	321.8	320.9	316.8	318.6	318.2	320.5	322.3	325.0	327.7	328.2
57.5°	289.3	285.6	283.1	283.5	284.0	286.1	287.9	291.1	294.1	296.9	297.2
60°	264.5	262.6	261.3	261.3	262.2	264.9	267.2	270.4	272.2	274.0	275.4
62.5°	241.9	240.0	238.7	239.4	241.8	243.4	246.1	247.8	249.6	251.5	252.1
65°	206.2	205.3	206.7	207.6	208.0	210.3	213.5	214.8	216.7	217.6	220.8
67.5°	173.3	173.5	173.3	174.6	177.3	177.8	180.8	184.0	184.3	186.1	188.2
70°	151.1	152.0	152.9	153.8	156.1	157.0	159.3	160.7	162.5	163.9	165.2
72.5°	130.7	130.9	131.8	131.6	133.6	135.5	137.5	138.8	140.6	142.4	143.7
75°	100.6	100.6	101.5	101.9	104.2	106.6	106.0	107.0	108.8	110.6	111.6
77.5°	73.5	72.5	73.5	73.9	74.6	76.6	77.0	78.2	80.3	79.6	80.7
80°	56.0	54.7	56.0	56.4	56.4	58.8	58.8	59.7	61.0	59.7	61.0
82.5°	39.9	39.3	40.3	40.4	41.1	41.2	42.0	42.2	43.5	42.9	43.5
85°	20.1	19.6	20.1	19.6	20.1	20.5	20.5	20.1	20.1	21.0	19.6
87.5°	7.6	7.4	7.3	7.5	7.4	7.2	7.0	7.1	7.3	6.7	6.8
90°	6.7	8.0	9.2	10.3	11.4	12.5	13.2	13.9	14.5	15.2	15.8
92.5°	12.0	12.3	12.8	13.4	13.9	14.4	14.8	15.2	15.6	16.0	16.2
95°	22.3	20.4	21.4	22.4	23.4	24.3	25.1	25.8	26.4	27.1	27.4
97.5°	28.9	23.6	25.9	28.1	30.3	32.5	33.2	33.7	34.2	34.8	35.1
100°	34.5	26.1	28.5	30.9	33.3	35.6	36.6	37.8	38.9	40.0	40.8
102.5°	127.3	115.5	95.8	76.1	56.3	36.6	38.0	39.5	40.9	42.4	43.2
105°	206.4	189.6	151.7	113.8	76.0	38.1	39.6	41.1	42.6	44.1	45.2
107.5°	256.0	235.0	189.6	144.2	98.7	53.3	51.7	50.2	48.7	47.1	46.6
110°	288.2	269.6	229.5	189.4	149.4	109.2	95.4	81.5	67.6	53.8	47.1



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	318.8	315.1	305.2	295.3	285.4	275.5	225.0	174.3	123.8	73.1	48.1
115°	368.4	371.3	374.8	378.3	381.7	385.1	320.9	256.7	192.4	128.2	91.1
117.5°	414.6	417.1	419.5	421.9	424.2	426.6	411.1	395.6	380.0	364.4	340.3
120°	445.3	447.5	450.0	452.5	455.0	457.5	459.2	460.9	462.5	464.2	455.7
122.5°	473.7	476.2	478.8	481.6	484.3	487.1	488.0	489.0	490.0	491.1	489.7
125°	514.7	516.9	519.6	522.2	524.9	527.4	528.4	529.4	530.4	531.4	532.1
127.5°	554.1	556.1	558.0	560.0	562.0	563.9	565.3	566.8	568.2	569.6	570.3
130°	579.4	581.3	582.8	584.3	585.9	587.5	589.0	590.5	592.0	593.5	594.2
132.5°	603.1	604.8	606.3	607.8	609.4	610.9	612.2	613.5	614.8	616.1	616.7
135°	636.9	638.6	639.9	641.1	642.4	643.6	645.0	646.4	647.7	649.2	649.7
137.5°	667.0	668.5	669.9	671.4	672.8	674.2	675.6	676.9	678.2	679.7	680.1
140°	686.7	688.0	689.6	691.1	692.6	694.2	695.4	696.7	697.9	699.2	699.5
142.5°	704.3	705.6	707.4	709.2	710.9	712.7	713.8	714.9	716.0	717.2	717.4
145°	727.9	729.1	731.4	733.8	736.1	738.5	739.5	740.4	741.4	742.3	742.5
147.5°	751.0	751.9	754.2	756.5	758.8	761.2	762.0	762.7	763.4	764.1	764.2
150°	765.2	765.8	768.0	770.3	772.5	774.7	775.5	776.3	777.2	778.0	778.1
152.5°	778.2	778.7	780.9	782.9	785.1	787.2	788.0	788.8	789.7	790.5	790.5
155°	797.2	797.4	799.1	800.7	802.4	804.1	804.9	805.7	806.6	807.4	807.2
157.5°	813.3	813.3	814.5	815.6	816.8	818.0	818.9	819.9	820.8	821.8	821.7
160°	823.1	823.1	824.0	824.8	825.6	826.5	827.3	828.1	829.0	829.8	829.7
162.5°	831.2	831.1	831.8	832.6	833.3	834.0	834.9	835.9	836.8	837.8	837.7
165°	841.9	841.7	842.1	842.5	842.9	843.4	844.4	845.3	846.2	847.2	847.2
167.5°	849.9	849.7	850.1	850.4	850.9	851.2	852.2	853.2	854.2	855.1	855.0
170°	854.3	854.1	854.3	854.7	855.0	855.2	856.2	857.2	858.1	859.1	859.0
172.5°	857.4	857.1	857.4	857.6	857.9	858.2	859.2	860.1	861.1	862.1	861.9
175°	860.7	860.3	860.6	860.9	861.2	861.5	862.5	863.4	864.3	865.3	865.1
177.5°	862.1	861.7	861.8	862.0	862.1	862.2	863.0	863.8	864.5	865.3	865.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1136.0	1135.2	1135.2	1132.0	1135.2	1135.2	1136.0	1139.6	1140.8	1141.5	1140.1
5°	1053.8	1052.4	1050.2	1052.4	1050.2	1052.4	1053.8	1060.2	1063.4	1066.6	1069.3
7.5°	972.5	967.1	966.3	960.8	966.3	967.1	972.5	975.5	981.9	989.1	995.6
10°	913.1	909.5	909.0	900.4	909.0	909.5	913.1	920.9	927.3	935.9	945.0
12.5°	868.0	859.3	860.9	856.0	860.9	859.3	868.0	868.1	875.6	880.9	895.1
15°	789.8	789.8	787.9	780.2	787.9	789.8	789.8	802.1	804.3	813.0	825.3
17.5°	733.6	732.7	728.3	730.5	728.3	732.7	733.6	742.6	744.1	755.7	765.8
20°	700.1	697.4	691.9	691.9	691.9	697.4	700.1	705.1	711.1	717.8	726.5
22.5°	668.4	668.2	662.5	664.2	662.5	668.2	668.4	673.1	678.6	686.2	693.4
25°	631.3	627.8	625.0	626.3	625.0	627.8	631.3	631.9	638.2	643.2	647.7
27.5°	596.2	594.2	594.1	590.3	594.1	594.2	596.2	597.4	601.0	604.0	608.2
30°	575.9	571.3	572.2	569.9	572.2	571.3	575.9	576.3	578.1	580.0	585.0
32.5°	552.5	550.9	550.0	548.0	550.0	550.9	552.5	553.3	557.0	558.8	562.8
35°	520.8	521.2	519.0	519.9	519.0	521.2	520.8	521.7	522.1	524.0	527.5
37.5°	493.0	494.5	493.4	493.7	493.4	494.5	493.0	493.5	493.9	494.2	495.3
40°	474.7	474.7	474.7	476.2	474.7	474.7	474.7	473.4	473.9	473.4	473.4
42.5°	457.3	456.6	455.8	455.8	455.8	456.6	457.3	454.1	455.7	454.1	453.3
45°	427.4	428.8	429.3	427.0	429.3	428.8	427.4	426.5	425.2	424.7	424.3
47.5°	400.4	400.6	400.4	402.4	400.4	400.6	400.4	399.2	397.1	396.3	394.1
50°	381.5	380.6	381.5	380.6	381.5	380.6	381.5	379.2	377.8	375.5	373.7
52.5°	361.4	361.6	361.1	360.9	361.1	361.6	361.4	358.5	357.8	357.0	354.1
55°	330.0	330.9	330.5	330.5	330.5	330.9	330.0	328.2	327.7	325.0	322.3
57.5°	297.6	298.4	299.0	296.9	299.0	298.4	297.6	297.2	296.9	294.1	291.1
60°	274.9	277.2	276.8	275.9	276.8	277.2	274.9	275.4	274.0	272.2	270.4
62.5°	254.2	255.0	254.9	254.8	254.9	255.0	254.2	252.1	251.5	249.6	247.8
65°	222.1	223.0	221.7	223.0	221.7	223.0	222.1	220.8	217.6	216.7	214.8
67.5°	187.6	187.9	189.0	189.6	189.0	187.9	187.6	188.2	186.1	184.3	184.0
70°	166.1	165.7	167.0	168.4	167.0	165.7	166.1	165.2	163.9	162.5	160.7
72.5°	143.6	144.5	144.1	145.1	144.1	144.5	143.6	143.7	142.4	140.6	138.8
75°	110.6	112.0	111.6	112.9	111.6	112.0	110.6	111.6	110.6	108.8	107.0
77.5°	79.9	80.1	79.9	80.7	79.9	80.1	79.9	80.7	79.6	80.3	78.2
80°	61.0	60.1	59.2	61.0	59.2	60.1	61.0	61.0	59.7	61.0	59.7
82.5°	42.4	43.0	42.1	42.1	42.1	43.0	42.4	43.5	42.9	43.5	42.2
85°	19.6	19.1	18.2	18.2	18.2	19.1	19.6	19.6	21.0	20.1	20.1
87.5°	6.9	6.5	6.6	6.2	6.6	6.5	6.9	6.8	6.7	7.3	7.1
90°	16.1	16.3	16.6	16.9	16.6	16.3	16.1	15.8	15.2	14.5	13.9
92.5°	16.3	16.5	16.7	16.9	16.7	16.5	16.3	16.2	16.0	15.6	15.2
95°	27.3	27.1	27.0	26.8	27.0	27.1	27.3	27.4	27.1	26.4	25.8
97.5°	35.3	35.5	35.7	35.8	35.7	35.5	35.3	35.1	34.8	34.2	33.7
100°	41.0	41.3	41.6	41.8	41.6	41.3	41.0	40.8	40.0	38.9	37.8
102.5°	43.7	44.1	44.4	44.9	44.4	44.1	43.7	43.2	42.4	40.9	39.5
105°	45.7	46.4	46.9	47.4	46.9	46.4	45.7	45.2	44.1	42.6	41.1
107.5°	47.2	47.7	48.2	48.8	48.2	47.7	47.2	46.6	47.1	48.7	50.2
110°	47.6	48.2	48.8	49.3	48.8	48.2	47.6	47.1	53.8	67.6	81.5



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	48.5	49.0	49.4	49.8	49.4	49.0	48.5	48.1	73.1	123.8	174.3
115°	81.1	71.2	61.2	51.2	61.2	71.2	81.1	91.1	128.2	192.4	256.7
117.5°	307.5	274.6	241.8	209.0	241.8	274.6	307.5	340.3	364.4	380.0	395.6
120°	436.9	418.2	399.5	380.8	399.5	418.2	436.9	455.7	464.2	462.5	460.9
122.5°	486.1	482.4	478.8	475.2	478.8	482.4	486.1	489.7	491.1	490.0	489.0
125°	532.4	532.9	533.3	533.7	533.3	532.9	532.4	532.1	531.4	530.4	529.4
127.5°	570.4	570.5	570.6	570.7	570.6	570.5	570.4	570.3	569.6	568.2	566.8
130°	594.1	594.0	593.8	593.7	593.8	594.0	594.1	594.2	593.5	592.0	590.5
132.5°	616.5	616.4	616.3	616.2	616.3	616.4	616.5	616.7	616.1	614.8	613.5
135°	649.4	649.2	648.9	648.6	648.9	649.2	649.4	649.7	649.2	647.7	646.4
137.5°	679.6	679.1	678.7	678.1	678.7	679.1	679.6	680.1	679.7	678.2	676.9
140°	698.7	698.0	697.3	696.7	697.3	698.0	698.7	699.5	699.2	697.9	696.7
142.5°	716.8	716.0	715.3	714.6	715.3	716.0	716.8	717.4	717.2	716.0	714.9
145°	741.8	741.1	740.4	739.8	740.4	741.1	741.8	742.5	742.3	741.4	740.4
147.5°	763.6	763.0	762.4	761.8	762.4	763.0	763.6	764.2	764.1	763.4	762.7
150°	777.4	776.7	776.0	775.3	776.0	776.7	777.4	778.1	778.0	777.2	776.3
152.5°	789.5	788.6	787.7	786.8	787.7	788.6	789.5	790.5	790.5	789.7	788.8
155°	806.1	805.0	803.9	802.8	803.9	805.0	806.1	807.2	807.4	806.6	805.7
157.5°	820.6	819.6	818.5	817.3	818.5	819.6	820.6	821.7	821.8	820.8	819.9
160°	828.8	827.8	826.9	825.9	826.9	827.8	828.8	829.7	829.8	829.0	828.1
162.5°	836.4	835.3	834.0	832.9	834.0	835.3	836.4	837.7	837.8	836.8	835.9
165°	846.2	845.3	844.4	843.4	844.4	845.3	846.2	847.2	847.2	846.2	845.3
167.5°	853.7	852.5	851.2	850.0	851.2	852.5	853.7	855.0	855.1	854.2	853.2
170°	857.7	856.5	855.2	854.0	855.2	856.5	857.7	859.0	859.1	858.1	857.2
172.5°	860.7	859.4	858.2	856.9	858.2	859.4	860.7	861.9	862.1	861.1	860.1
175°	863.7	862.4	860.9	859.6	860.9	862.4	863.7	865.1	865.3	864.3	863.4
177.5°	864.2	863.2	862.2	861.2	862.2	863.2	864.2	865.2	865.3	864.5	863.8
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1138.2	1142.2	1148.3	1154.9	1159.0	1166.6	1168.8	1172.4	1175.7	1183.4	1191.3
5°	1072.5	1078.8	1093.9	1102.1	1113.4	1126.6	1135.2	1144.4	1154.4	1171.7	1187.6
7.5°	1002.0	1012.6	1031.3	1046.6	1062.8	1081.7	1095.4	1113.4	1128.4	1152.7	1176.1
10°	955.0	970.0	986.9	1005.0	1027.9	1047.8	1067.0	1089.8	1108.0	1137.1	1164.4
12.5°	912.8	915.1	939.1	959.2	990.3	1015.1	1037.1	1066.5	1084.3	1118.9	1147.6
15°	838.9	852.6	874.4	890.4	927.3	958.7	989.6	1020.1	1040.6	1083.3	1121.1
17.5°	776.8	789.3	811.7	837.9	864.3	895.5	935.6	967.8	995.6	1044.6	1089.2
20°	737.4	752.9	775.7	802.5	825.7	859.9	894.5	931.3	961.4	1016.5	1068.8
22.5°	703.9	716.1	734.5	761.0	786.4	817.6	855.5	895.6	927.2	986.6	1039.6
25°	656.8	666.9	678.7	700.5	729.2	763.4	793.0	837.1	883.1	938.6	1002.8
27.5°	614.4	621.5	632.0	651.2	673.4	705.3	738.2	780.2	826.3	886.6	954.4
30°	588.6	593.2	603.6	619.6	641.4	666.4	699.6	739.7	787.0	848.0	915.4
32.5°	566.0	570.2	577.0	592.2	611.2	632.6	662.5	702.6	747.7	807.6	882.3
35°	532.2	535.3	541.3	553.5	564.0	585.0	609.9	646.4	688.8	746.1	823.5
37.5°	498.4	502.7	506.4	511.6	525.0	538.8	560.5	591.3	632.8	690.7	764.5
40°	476.2	479.7	485.3	487.5	498.5	510.8	528.5	556.7	598.6	651.4	723.4
42.5°	453.5	457.2	460.5	463.2	472.6	483.4	499.4	523.6	560.7	612.1	683.2
45°	422.8	423.3	426.5	431.5	436.0	443.8	455.2	476.2	504.8	553.0	617.7
47.5°	391.7	392.3	392.8	395.0	400.0	407.1	414.6	431.6	457.3	495.8	558.7
50°	371.0	370.1	371.0	372.8	376.0	381.9	390.6	402.9	423.8	459.8	517.5
52.5°	351.0	350.8	350.3	351.0	353.4	357.5	363.6	374.1	392.8	425.9	476.8
55°	320.5	318.2	318.6	316.8	320.9	321.8	326.4	335.0	351.4	374.2	422.0
57.5°	287.9	286.1	284.0	283.5	283.1	285.6	289.3	296.0	308.6	328.6	367.4
60°	267.2	264.9	262.2	261.3	261.3	262.6	264.5	269.5	281.3	299.1	330.9
62.5°	246.1	243.4	241.8	239.4	238.7	240.0	241.9	245.5	254.0	270.6	298.2
65°	213.5	210.3	208.0	207.6	206.7	205.3	206.2	209.8	216.7	229.9	251.7
67.5°	180.8	177.8	177.3	174.6	173.3	173.5	173.3	176.5	180.6	191.9	208.2
70°	159.3	157.0	156.1	153.8	152.9	152.0	151.1	153.8	157.9	167.6	181.6
72.5°	137.5	135.5	133.6	131.6	131.8	130.9	130.7	132.3	135.7	144.5	155.4
75°	106.0	106.6	104.2	101.9	101.5	100.6	100.6	101.9	103.3	110.1	118.8
77.5°	77.0	76.6	74.6	73.9	73.5	72.5	73.5	74.4	75.1	79.6	86.1
80°	58.8	58.8	56.4	56.4	56.0	54.7	56.0	55.1	56.9	61.4	66.0
82.5°	42.0	41.2	41.1	40.4	40.3	39.3	39.9	40.8	41.6	44.7	47.4
85°	20.5	20.5	20.1	19.6	20.1	19.6	20.1	20.5	21.0	22.3	24.6
87.5°	7.0	7.2	7.4	7.5	7.3	7.4	7.6	7.6	8.0	8.1	8.1
90°	13.2	12.5	11.4	10.3	9.2	8.0	6.7	5.2	3.7	2.1	0.6
92.5°	14.8	14.4	13.9	13.4	12.8	12.3	12.0	12.2	12.3	12.5	12.6
95°	25.1	24.3	23.4	22.4	21.4	20.4	22.3	26.8	31.4	36.0	40.6
97.5°	33.2	32.5	30.3	28.1	25.9	23.6	28.9	41.8	54.8	67.6	80.5
100°	36.6	35.6	33.3	30.9	28.5	26.1	34.5	53.5	72.5	91.5	110.5
102.5°	38.0	36.6	56.3	76.1	95.8	115.5	127.3	131.3	135.4	139.5	143.5
105°	39.6	38.1	76.0	113.8	151.7	189.6	206.4	202.2	198.1	193.9	189.8
107.5°	51.7	53.3	98.7	144.2	189.6	235.0	256.0	252.6	249.3	245.9	242.5
110°	95.4	109.2	149.4	189.4	229.5	269.6	288.2	285.3	282.4	279.5	276.5



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	225.0	275.5	285.4	295.3	305.2	315.1	318.8	316.2	313.7	311.1	308.5
115°	320.9	385.1	381.7	378.3	374.8	371.3	368.4	366.0	363.6	361.3	358.9
117.5°	411.1	426.6	424.2	421.9	419.5	417.1	414.6	411.9	409.3	406.6	404.0
120°	459.2	457.5	455.0	452.5	450.0	447.5	445.3	443.2	441.1	439.1	436.9
122.5°	488.0	487.1	484.3	481.6	478.8	476.2	473.7	471.5	469.3	467.2	464.9
125°	528.4	527.4	524.9	522.2	519.6	516.9	514.7	512.9	511.1	509.3	507.5
127.5°	565.3	563.9	562.0	560.0	558.0	556.1	554.1	552.1	550.1	548.0	546.1
130°	589.0	587.5	585.9	584.3	582.8	581.3	579.4	577.2	575.0	572.7	570.5
132.5°	612.2	610.9	609.4	607.8	606.3	604.8	603.1	601.2	599.3	597.4	595.6
135°	645.0	643.6	642.4	641.1	639.9	638.6	636.9	634.6	632.4	630.2	628.0
137.5°	675.6	674.2	672.8	671.4	669.9	668.5	667.0	665.5	664.0	662.4	660.8
140°	695.4	694.2	692.6	691.1	689.6	688.0	686.7	685.6	684.5	683.4	682.3
142.5°	713.8	712.7	710.9	709.2	707.4	705.6	704.3	703.3	702.3	701.2	700.3
145°	739.5	738.5	736.1	733.8	731.4	729.1	727.9	728.1	728.3	728.3	728.5
147.5°	762.0	761.2	758.8	756.5	754.2	751.9	751.0	751.5	752.1	752.6	753.0
150°	775.5	774.7	772.5	770.3	768.0	765.8	765.2	766.2	767.1	768.1	769.1
152.5°	788.0	787.2	785.1	782.9	780.9	778.7	778.2	779.3	780.4	781.5	782.6
155°	804.9	804.1	802.4	800.7	799.1	797.4	797.2	798.4	799.7	800.9	802.2
157.5°	818.9	818.0	816.8	815.6	814.5	813.3	813.3	814.3	815.4	816.5	817.5
160°	827.3	826.5	825.6	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5
162.5°	834.9	834.0	833.3	832.6	831.8	831.1	831.2	832.0	832.9	833.7	834.5
165°	844.4	843.4	842.9	842.5	842.1	841.7	841.9	842.8	843.6	844.4	845.3
167.5°	852.2	851.2	850.9	850.4	850.1	849.7	849.9	850.7	851.6	852.4	853.2
170°	856.2	855.2	855.0	854.7	854.3	854.1	854.3	855.2	856.0	856.8	857.7
172.5°	859.2	858.2	857.9	857.6	857.4	857.1	857.4	858.2	859.1	859.9	860.7
175°	862.5	861.5	861.2	860.9	860.6	860.3	860.7	861.7	862.6	863.6	864.6
177.5°	863.0	862.2	862.1	862.0	861.8	861.7	862.1	862.9	863.6	864.4	865.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



TEST NUMBER: P331531-940

CATALOG NUMBER: S122DIW-S675D710U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1190.6	1192.5	1198.3	1204.1	1210.7	1212.5	1215.4	1212.8	1212.1	1219.1	1224.1
5°	1194.0	1202.2	1218.2	1232.7	1245.0	1253.7	1262.8	1266.4	1273.2	1282.7	1294.6
7.5°	1190.2	1206.1	1231.2	1252.3	1275.5	1292.2	1305.2	1316.3	1329.7	1347.8	1367.6
10°	1185.8	1207.2	1237.7	1263.6	1291.8	1313.2	1331.1	1348.3	1368.3	1393.4	1419.3
12.5°	1177.8	1203.2	1241.4	1272.0	1308.2	1329.3	1353.3	1390.5	1412.0	1446.9	1483.5
15°	1161.7	1189.9	1243.1	1280.9	1321.9	1362.0	1406.1	1441.6	1477.1	1497.6	1549.1
17.5°	1137.7	1179.2	1238.1	1282.2	1334.3	1397.4	1447.0	1487.2	1528.2	1561.5	1587.2
20°	1118.5	1163.5	1230.8	1283.7	1345.6	1413.4	1470.3	1511.3	1546.8	1574.6	1590.5
22.5°	1094.0	1150.8	1216.3	1278.2	1357.3	1424.3	1484.2	1516.4	1546.0	1559.6	1565.8
25°	1055.6	1123.9	1198.1	1273.6	1362.9	1433.9	1488.5	1508.1	1516.7	1503.5	1481.7
27.5°	1014.2	1090.3	1177.1	1265.1	1359.4	1427.7	1466.9	1463.7	1449.1	1406.4	1372.3
30°	983.2	1067.0	1160.3	1256.3	1351.0	1417.5	1440.3	1417.5	1384.3	1336.5	1287.8
32.5°	950.8	1037.5	1142.5	1243.9	1335.8	1394.2	1399.1	1359.9	1308.5	1254.2	1193.5
35°	901.8	995.5	1108.8	1216.3	1303.2	1340.2	1318.3	1249.1	1188.1	1113.9	1031.0
37.5°	846.3	949.9	1063.5	1175.8	1254.5	1264.2	1210.0	1137.1	1051.1	963.9	866.4
40°	804.8	914.5	1031.5	1144.9	1214.5	1204.4	1135.2	1055.2	952.7	846.2	755.6
42.5°	767.7	877.4	996.5	1107.7	1163.5	1136.0	1055.2	956.8	846.8	746.5	663.5
45°	703.3	816.2	938.2	1045.6	1077.5	1027.9	920.9	811.6	703.3	619.6	554.0
47.5°	640.9	752.4	873.3	967.7	978.9	912.2	795.3	682.9	589.8	521.6	475.3
50°	594.9	706.9	826.6	910.9	907.2	826.6	706.5	599.5	521.7	466.5	435.6
52.5°	553.8	659.6	774.5	851.1	831.9	744.0	629.3	534.3	470.3	427.2	399.2
55°	489.8	587.6	696.9	758.4	722.8	625.4	528.5	452.0	404.7	372.4	350.5
57.5°	426.2	518.0	611.5	649.4	610.2	520.2	439.3	383.9	348.3	324.4	310.1
60°	386.9	467.1	550.4	583.1	536.2	456.1	392.4	342.8	314.1	294.5	281.8
62.5°	347.6	419.4	497.9	515.8	472.9	405.1	348.7	307.5	283.8	266.4	254.5
65°	294.1	352.8	412.4	424.3	384.7	332.3	287.7	260.8	239.9	227.1	217.6
67.5°	241.2	288.3	330.6	340.1	305.4	269.1	236.9	213.5	199.3	188.7	180.7
70°	209.8	247.2	281.8	289.5	261.7	229.4	204.8	186.2	173.4	164.3	156.6
72.5°	176.7	207.9	236.6	241.8	219.1	194.5	174.2	159.6	148.3	142.5	135.1
75°	135.2	153.4	175.7	177.1	162.0	147.0	131.5	122.0	116.1	108.8	105.1
77.5°	95.4	109.7	122.4	124.9	116.0	105.8	97.1	89.6	84.5	81.2	77.8
80°	72.9	84.2	89.7	92.8	86.5	79.2	74.2	69.2	66.0	63.8	61.4
82.5°	52.1	59.1	64.2	66.6	63.2	58.9	53.8	51.0	48.5	46.6	45.8
85°	26.4	29.6	32.8	33.7	32.8	30.9	28.2	28.2	26.8	26.4	26.4
87.5°	9.5	11.3	11.6	13.0	12.6	12.8	13.0	12.8	12.7	12.5	12.2
90°	2.1	3.7	5.2	6.7	8.0	9.2	10.3	11.4	12.5	13.2	13.9
92.5°	12.5	12.3	12.2	12.0	12.3	12.8	13.4	13.9	14.4	14.8	15.2
95°	36.0	31.4	26.8	22.3	20.4	21.4	22.4	23.4	24.3	25.1	25.8
97.5°	67.6	54.8	41.8	28.9	23.6	25.9	28.1	30.3	32.5	33.2	33.7
100°	91.5	72.5	53.5	34.5	26.1	28.5	30.9	33.3	35.6	36.6	37.8
102.5°	139.5	135.4	131.3	127.3	115.5	95.8	76.1	56.3	36.6	38.0	39.5
105°	193.9	198.1	202.2	206.4	189.6	151.7	113.8	76.0	38.1	39.6	41.1
107.5°	245.9	249.3	252.6	256.0	235.0	189.6	144.2	98.7	53.3	51.7	50.2
110°	279.5	282.4	285.3	288.2	269.6	229.5	189.4	149.4	109.2	95.4	81.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	311.1	313.7	316.2	318.8	315.1	305.2	295.3	285.4	275.5	225.0	174.3
115°	361.3	363.6	366.0	368.4	371.3	374.8	378.3	381.7	385.1	320.9	256.7
117.5°	406.6	409.3	411.9	414.6	417.1	419.5	421.9	424.2	426.6	411.1	395.6
120°	439.1	441.1	443.2	445.3	447.5	450.0	452.5	455.0	457.5	459.2	460.9
122.5°	467.2	469.3	471.5	473.7	476.2	478.8	481.6	484.3	487.1	488.0	489.0
125°	509.3	511.1	512.9	514.7	516.9	519.6	522.2	524.9	527.4	528.4	529.4
127.5°	548.0	550.1	552.1	554.1	556.1	558.0	560.0	562.0	563.9	565.3	566.8
130°	572.7	575.0	577.2	579.4	581.3	582.8	584.3	585.9	587.5	589.0	590.5
132.5°	597.4	599.3	601.2	603.1	604.8	606.3	607.8	609.4	610.9	612.2	613.5
135°	630.2	632.4	634.6	636.9	638.6	639.9	641.1	642.4	643.6	645.0	646.4
137.5°	662.4	664.0	665.5	667.0	668.5	669.9	671.4	672.8	674.2	675.6	676.9
140°	683.4	684.5	685.6	686.7	688.0	689.6	691.1	692.6	694.2	695.4	696.7
142.5°	701.2	702.3	703.3	704.3	705.6	707.4	709.2	710.9	712.7	713.8	714.9
145°	728.3	728.3	728.1	727.9	729.1	731.4	733.8	736.1	738.5	739.5	740.4
147.5°	752.6	752.1	751.5	751.0	751.9	754.2	756.5	758.8	761.2	762.0	762.7
150°	768.1	767.1	766.2	765.2	765.8	768.0	770.3	772.5	774.7	775.5	776.3
152.5°	781.5	780.4	779.3	778.2	778.7	780.9	782.9	785.1	787.2	788.0	788.8
155°	800.9	799.7	798.4	797.2	797.4	799.1	800.7	802.4	804.1	804.9	805.7
157.5°	816.5	815.4	814.3	813.3	813.3	814.5	815.6	816.8	818.0	818.9	819.9
160°	825.6	824.8	824.0	823.1	823.1	824.0	824.8	825.6	826.5	827.3	828.1
162.5°	833.7	832.9	832.0	831.2	831.1	831.8	832.6	833.3	834.0	834.9	835.9
165°	844.4	843.6	842.8	841.9	841.7	842.1	842.5	842.9	843.4	844.4	845.3
167.5°	852.4	851.6	850.7	849.9	849.7	850.1	850.4	850.9	851.2	852.2	853.2
170°	856.8	856.0	855.2	854.3	854.1	854.3	854.7	855.0	855.2	856.2	857.2
172.5°	859.9	859.1	858.2	857.4	857.1	857.4	857.6	857.9	858.2	859.2	860.1
175°	863.6	862.6	861.7	860.7	860.3	860.6	860.9	861.2	861.5	862.5	863.4
177.5°	864.4	863.6	862.9	862.1	861.7	861.8	862.0	862.1	862.2	863.0	863.8
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7	862.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5	1184.5
2.5°	1228.5	1233.6	1233.6	1234.3	1240.2	1239.4	1239.0
5°	1307.3	1315.1	1316.0	1324.2	1329.6	1327.8	1322.9
7.5°	1381.7	1396.2	1407.0	1413.1	1420.3	1424.8	1422.8
10°	1440.7	1461.7	1474.4	1483.1	1493.5	1501.3	1498.5
12.5°	1494.2	1519.2	1536.7	1551.5	1552.9	1562.8	1556.0
15°	1577.7	1604.1	1606.9	1617.8	1626.5	1625.5	1625.9
17.5°	1605.3	1613.8	1615.5	1615.8	1615.9	1612.7	1605.8
20°	1595.4	1592.3	1584.6	1578.7	1568.2	1566.8	1557.7
22.5°	1548.9	1538.7	1519.4	1506.5	1490.2	1485.9	1483.5
25°	1457.1	1434.8	1403.8	1374.2	1366.1	1350.1	1354.7
27.5°	1331.2	1296.5	1262.9	1238.9	1217.1	1193.3	1200.1
30°	1242.7	1203.5	1156.2	1119.8	1096.6	1073.8	1069.7
32.5°	1137.1	1079.8	1026.9	994.9	959.3	944.9	929.2
35°	955.0	899.0	846.7	801.6	775.7	755.6	737.4
37.5°	791.2	726.7	684.6	648.0	629.3	617.8	620.7
40°	689.6	633.2	602.3	574.4	557.1	548.9	550.8
42.5°	607.3	565.1	539.6	520.6	508.4	503.8	502.7
45°	513.9	490.3	469.3	458.4	452.5	447.5	444.3
47.5°	450.2	430.9	419.1	412.6	407.4	402.3	402.3
50°	412.0	399.2	391.0	384.1	380.1	376.5	379.6
52.5°	382.8	371.1	363.0	356.9	355.3	352.0	352.0
55°	339.6	330.5	324.6	319.1	316.4	314.5	312.3
57.5°	300.2	291.6	286.1	282.7	277.5	275.6	274.9
60°	272.2	265.4	259.9	255.4	253.1	249.4	249.4
62.5°	246.4	239.5	234.4	231.0	227.2	225.8	226.1
65°	208.9	203.5	198.5	194.8	193.9	191.2	192.1
67.5°	174.5	170.9	165.6	163.6	161.8	160.4	159.3
70°	151.6	147.9	145.2	142.5	141.1	141.1	141.1
72.5°	132.2	127.9	126.3	122.8	123.6	122.2	120.7
75°	102.5	99.7	98.4	96.9	94.7	94.7	94.7
77.5°	75.3	74.5	72.9	71.4	70.9	70.4	70.6
80°	58.2	57.8	56.9	56.9	56.0	55.6	54.7
82.5°	44.8	43.6	43.1	42.7	42.5	42.4	42.3
85°	25.5	24.6	24.6	25.1	24.2	24.2	24.6
87.5°	12.8	12.8	12.6	12.7	13.1	12.8	12.8
90°	14.5	15.2	15.8	16.1	16.3	16.6	16.9
92.5°	15.6	16.0	16.2	16.3	16.5	16.7	16.9
95°	26.4	27.1	27.4	27.3	27.1	27.0	26.8
97.5°	34.2	34.8	35.1	35.3	35.5	35.7	35.8
100°	38.9	40.0	40.8	41.0	41.3	41.6	41.8
102.5°	40.9	42.4	43.2	43.7	44.1	44.4	44.9
105°	42.6	44.1	45.2	45.7	46.4	46.9	47.4
107.5°	48.7	47.1	46.6	47.2	47.7	48.2	48.8
110°	67.6	53.8	47.1	47.6	48.2	48.8	49.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	123.8	73.1	48.1	48.5	49.0	49.4	49.8
115°	192.4	128.2	91.1	81.1	71.2	61.2	51.2
117.5°	380.0	364.4	340.3	307.5	274.6	241.8	209.0
120°	462.5	464.2	455.7	436.9	418.2	399.5	380.8
122.5°	490.0	491.1	489.7	486.1	482.4	478.8	475.2
125°	530.4	531.4	532.1	532.4	532.9	533.3	533.7
127.5°	568.2	569.6	570.3	570.4	570.5	570.6	570.7
130°	592.0	593.5	594.2	594.1	594.0	593.8	593.7
132.5°	614.8	616.1	616.7	616.5	616.4	616.3	616.2
135°	647.7	649.2	649.7	649.4	649.2	648.9	648.6
137.5°	678.2	679.7	680.1	679.6	679.1	678.7	678.1
140°	697.9	699.2	699.5	698.7	698.0	697.3	696.7
142.5°	716.0	717.2	717.4	716.8	716.0	715.3	714.6
145°	741.4	742.3	742.5	741.8	741.1	740.4	739.8
147.5°	763.4	764.1	764.2	763.6	763.0	762.4	761.8
150°	777.2	778.0	778.1	777.4	776.7	776.0	775.3
152.5°	789.7	790.5	790.5	789.5	788.6	787.7	786.8
155°	806.6	807.4	807.2	806.1	805.0	803.9	802.8
157.5°	820.8	821.8	821.7	820.6	819.6	818.5	817.3
160°	829.0	829.8	829.7	828.8	827.8	826.9	825.9
162.5°	836.8	837.8	837.7	836.4	835.3	834.0	832.9
165°	846.2	847.2	847.2	846.2	845.3	844.4	843.4
167.5°	854.2	855.1	855.0	853.7	852.5	851.2	850.0
170°	858.1	859.1	859.0	857.7	856.5	855.2	854.0
172.5°	861.1	862.1	861.9	860.7	859.4	858.2	856.9
175°	864.3	865.3	865.1	863.7	862.4	860.9	859.6
177.5°	864.5	865.3	865.2	864.2	863.2	862.2	861.2
180°	862.7	862.7	862.7	862.7	862.7	862.7	862.7

(END OF REPORT)