

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: P331809-935

Luminaire Tested: **S122RDIW-S675D710U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331809-935
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: S122RDIW-S675D710U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4629.2 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

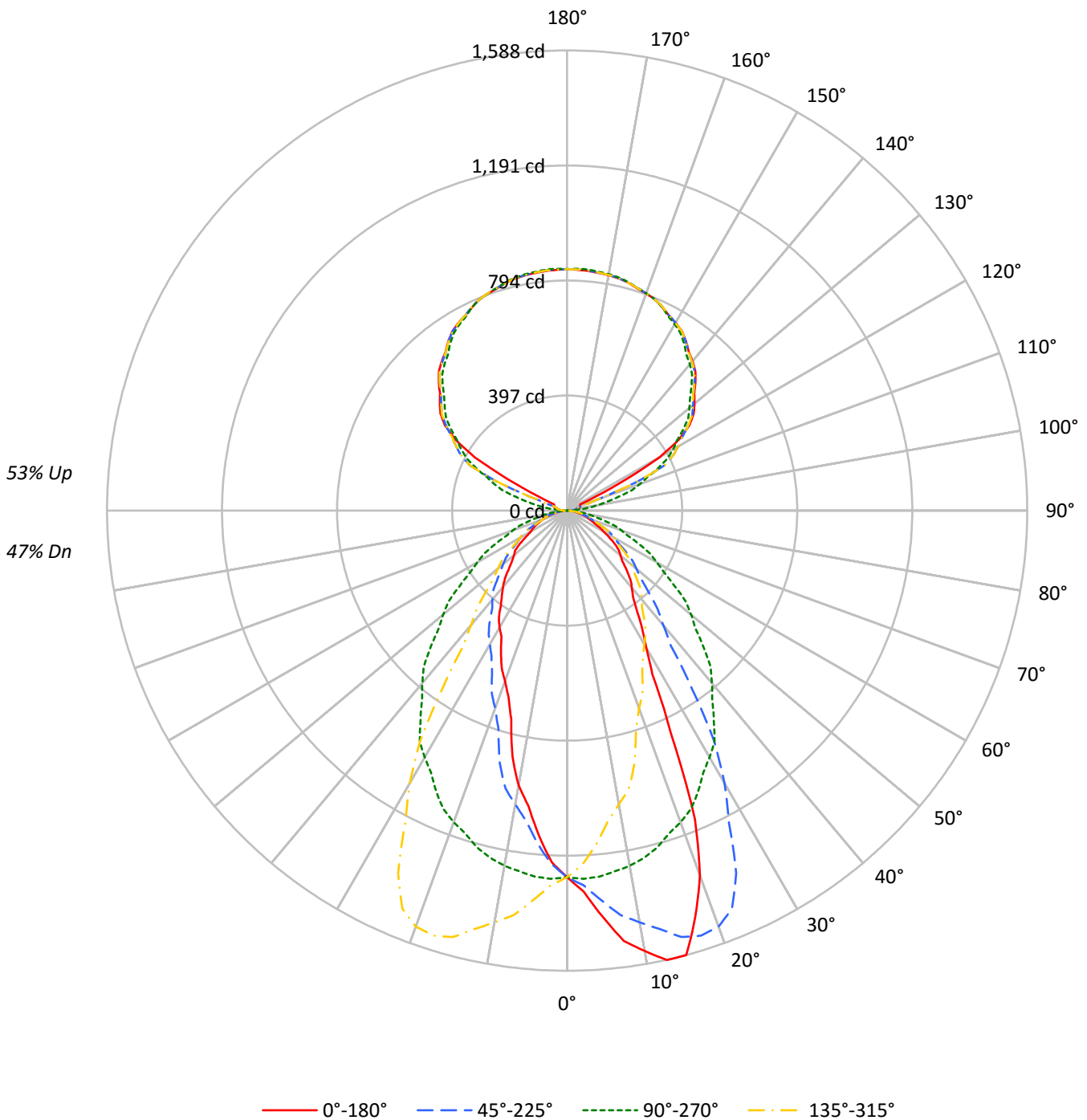
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	48	48	47	41
2	90	83	77	72	82	77	72	67	65	61	58	54	51	49	44	42	40	36
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35	31
4	76	66	58	53	70	61	54	49	52	47	43	44	40	37	36	33	31	28
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28	25
6	65	53	46	40	59	50	43	38	43	37	33	36	32	29	30	27	25	22
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	23	20
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21	18
9	52	41	33	29	48	38	31	27	33	28	24	28	24	22	24	21	19	17
10	49	37	30	26	45	35	29	25	31	26	22	26	22	20	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20423	20423	20423	20423
5°	22809	20551	18220	20551
10°	25306	20407	15795	20407
15°	26551	20107	12445	20107
20°	23017	19663	10768	19663
25°	15096	19057	9615	19057
30°	10161	18321	8701	18321
35°	8229	17394	7849	17394
40°	7318	16387	7263	16387
45°	6624	15203	6485	15203
50°	6028	14031	6006	14031
55°	5666	12732	5590	12732
60°	4740	11538	4682	11538
65°	3996	10476	4531	10476
70°	3696	9356	4277	9356
75°	3456	8141	3949	8141
80°	3189	6704	3515	6704
85°	2927	5298	3094	5298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	2.6
10°-20°	334.1	7.2
20°-30°	430.5	9.3
30°-40°	409.1	8.8
40°-50°	350.5	7.6
50°-60°	266.9	5.8
60°-70°	168.7	3.6
70°-80°	84.3	1.8
80°-90°	24.0	0.5
90°-100°	27.8	0.6
100°-110°	101.9	2.2
110°-120°	272.4	5.9
120°-130°	449.6	9.7
130°-140°	478.2	10.3
140°-150°	444.4	9.6
150°-160°	357.3	7.7
160°-170°	230.3	5.0
170°-180°	79.3	1.7
0°-30°	884.5	19.1
0°-40°	1293.7	27.9
0°-60°	1911.1	41.3
0°-90°	2188.0	47.3
90°-120°	402.1	8.7
90°-150°	1774.3	38.3
90°-180°	2441.0	52.7
0°-180°	4629.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1407	1268	1124	1268	1407	139
15°	1588	1203	744	1203	1588	428
25°	847	1070	540	1070	847	402
35°	418	882	398	882	418	267
45°	290	666	284	666	290	224
55°	201	452	199	452	201	177
65°	105	274	119	274	105	106
75°	55	130	63	130	55	59
85°	16	29	17	29	16	17
90°	16	1	16	1	16	8
95°	26	39	26	39	26	24
105°	46	183	46	183	46	48
115°	49	347	49	347	49	124
125°	515	490	515	490	515	446
135°	626	606	626	606	626	483
145°	714	703	714	703	714	447
155°	775	775	775	775	775	358
165°	814	816	814	816	814	230
175°	830	835	830	835	830	79
180°	833	833	833	833	833	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1316.2	1317.2	1318.4	1315.9	1315.9	1313.7	1309.2	1305.7	1295.8	1294.4	1294.4
5°	1407.3	1406.4	1408.2	1402.5	1394.6	1392.8	1384.4	1373.5	1362.0	1349.3	1346.6
7.5°	1497.8	1496.5	1493.0	1492.0	1485.9	1472.7	1459.2	1444.9	1425.9	1407.4	1398.1
10°	1543.5	1558.1	1549.2	1533.9	1537.0	1516.3	1505.3	1486.4	1470.6	1442.9	1436.8
12.5°	1588.5	1594.2	1591.5	1582.7	1578.7	1564.4	1549.6	1533.2	1504.0	1479.1	1457.5
15°	1588.4	1596.7	1598.9	1596.3	1598.4	1597.6	1589.7	1576.1	1550.6	1523.3	1499.6
17.5°	1471.1	1476.9	1491.3	1501.1	1513.4	1539.4	1552.2	1557.2	1553.4	1537.9	1521.2
20°	1339.6	1329.9	1370.4	1391.0	1408.6	1452.5	1490.3	1504.9	1528.1	1527.7	1523.3
22.5°	1153.2	1155.5	1193.9	1218.4	1269.7	1313.6	1356.8	1411.4	1456.4	1486.2	1503.7
25°	847.4	864.1	902.3	935.7	992.8	1074.6	1148.8	1235.0	1316.3	1380.4	1441.6
27.5°	636.4	637.7	668.0	698.8	732.7	799.7	893.2	996.1	1112.0	1207.6	1317.7
30°	545.0	542.3	555.1	574.0	603.0	654.9	725.1	826.3	941.8	1086.0	1214.4
32.5°	480.3	480.4	490.1	504.0	528.1	563.1	611.2	693.4	802.6	944.3	1094.8
35°	417.5	417.1	424.1	434.2	444.4	466.7	499.7	542.8	617.9	750.2	904.0
37.5°	372.6	374.4	377.9	384.2	395.4	407.9	427.7	456.6	510.1	588.3	717.6
40°	347.2	348.1	352.9	358.2	364.8	374.4	390.7	414.0	453.1	515.6	610.0
42.5°	324.0	324.9	328.3	333.2	338.4	348.1	361.5	381.7	413.4	462.1	540.0
45°	290.1	290.1	293.2	295.3	301.1	309.9	320.8	337.5	359.6	395.5	447.4
47.5°	258.2	258.3	260.4	264.2	267.8	274.6	285.4	299.0	315.0	342.9	387.2
50°	240.0	240.4	241.7	244.8	247.0	253.1	261.5	273.4	290.1	311.6	348.5
52.5°	225.2	224.9	226.6	227.9	229.5	233.8	240.0	250.6	265.4	284.2	314.8
55°	201.3	199.5	202.2	204.4	205.7	207.4	210.9	217.6	230.3	246.2	269.0
57.5°	171.4	170.7	172.5	174.6	178.7	183.5	186.4	190.6	197.3	208.6	231.3
60°	146.8	146.8	150.8	152.1	156.9	163.1	169.2	172.7	179.3	186.8	203.5
62.5°	125.0	125.4	127.2	128.5	131.2	138.8	147.4	155.2	161.4	168.5	179.6
65°	104.6	105.5	105.5	106.3	108.1	109.9	113.4	119.5	130.5	140.6	149.0
67.5°	88.8	89.0	89.3	90.1	90.7	92.6	93.9	96.7	99.3	108.8	119.2
70°	78.3	79.6	79.1	80.0	80.4	81.3	83.1	84.4	88.3	90.6	96.7
72.5°	68.4	69.3	69.2	69.8	70.9	71.1	72.5	73.9	76.4	78.3	81.5
75°	55.4	54.9	55.4	56.2	56.7	57.2	57.2	58.9	60.2	62.0	64.1
77.5°	42.7	43.1	43.0	43.1	43.2	44.0	43.9	44.8	46.1	46.9	48.0
80°	34.3	34.7	34.3	34.7	35.1	35.6	35.1	35.6	36.9	37.8	37.8
82.5°	26.5	26.6	26.9	26.9	27.0	27.1	27.8	27.9	28.8	28.7	29.0
85°	15.8	15.4	15.4	15.4	15.8	16.3	15.8	15.8	16.3	16.3	16.3
87.5°	8.9	9.2	9.1	9.0	9.0	9.0	8.8	9.0	8.5	8.8	8.2
90°	16.3	16.0	15.8	15.5	15.2	14.7	14.0	13.4	12.7	12.1	11.0
92.5°	16.3	16.1	15.9	15.8	15.7	15.4	15.1	14.7	14.3	13.9	13.4
95°	25.9	26.1	26.2	26.3	26.4	26.2	25.5	24.9	24.2	23.5	22.6
97.5°	34.6	34.4	34.3	34.1	33.9	33.6	33.1	32.5	32.0	31.4	29.3
100°	40.4	40.1	39.9	39.6	39.3	38.7	37.5	36.5	35.4	34.4	32.1
102.5°	43.3	42.9	42.5	42.2	41.8	40.9	39.5	38.1	36.7	35.3	54.3
105°	45.8	45.3	44.8	44.2	43.7	42.6	41.2	39.7	38.2	36.8	73.4
107.5°	47.1	46.6	46.1	45.5	45.0	45.5	47.0	48.5	49.9	51.5	95.3
110°	47.6	47.1	46.6	46.0	45.5	51.9	65.3	78.7	92.1	105.5	144.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	48.1	47.7	47.3	46.8	46.4	70.6	119.5	168.3	217.2	266.0	275.6
115°	49.4	59.1	68.7	78.4	88.0	123.8	185.8	247.9	309.9	371.9	368.5
117.5°	201.8	233.5	265.2	296.9	328.6	351.9	366.9	381.9	396.9	411.9	409.6
120°	367.6	385.7	403.8	421.9	440.0	448.2	446.6	445.1	443.4	441.8	439.4
122.5°	458.8	462.4	465.8	469.3	472.9	474.2	473.1	472.2	471.2	470.3	467.6
125°	515.3	515.0	514.5	514.1	513.8	513.1	512.1	511.2	510.2	509.3	506.8
127.5°	551.0	551.0	550.9	550.8	550.7	550.0	548.6	547.3	545.9	544.5	542.6
130°	573.3	573.3	573.5	573.6	573.8	573.1	571.6	570.2	568.7	567.2	565.7
132.5°	595.0	595.0	595.2	595.3	595.5	594.9	593.7	592.4	591.1	589.9	588.4
135°	626.3	626.5	626.8	627.1	627.3	626.8	625.4	624.1	622.8	621.5	620.3
137.5°	654.8	655.3	655.7	656.2	656.7	656.3	654.9	653.6	652.3	651.0	649.6
140°	672.7	673.3	674.0	674.7	675.4	675.1	673.9	672.7	671.5	670.3	668.7
142.5°	690.0	690.7	691.4	692.1	692.7	692.5	691.4	690.3	689.2	688.1	686.4
145°	714.3	714.9	715.6	716.3	717.0	716.8	715.8	714.9	714.0	713.1	710.8
147.5°	735.6	736.2	736.8	737.3	737.9	737.8	737.1	736.4	735.7	734.9	732.7
150°	748.6	749.2	749.9	750.6	751.3	751.2	750.4	749.6	748.8	748.0	745.9
152.5°	759.7	760.6	761.5	762.3	763.3	763.3	762.5	761.6	760.9	760.1	758.0
155°	775.2	776.2	777.3	778.3	779.4	779.5	778.8	777.9	777.1	776.4	774.7
157.5°	789.2	790.3	791.3	792.4	793.4	793.5	792.6	791.7	790.7	789.8	788.7
160°	797.5	798.4	799.3	800.2	801.2	801.2	800.5	799.6	798.8	798.1	797.2
162.5°	804.2	805.3	806.5	807.6	808.8	808.9	808.0	807.1	806.2	805.3	804.6
165°	814.3	815.3	816.2	817.1	818.0	818.0	817.1	816.2	815.3	814.3	813.9
167.5°	820.7	821.9	823.1	824.3	825.5	825.6	824.8	823.8	822.9	821.9	821.6
170°	824.6	825.8	827.0	828.2	829.4	829.5	828.5	827.7	826.7	825.8	825.5
172.5°	827.4	828.6	829.8	831.0	832.2	832.4	831.5	830.5	829.6	828.6	828.4
175°	830.0	831.3	832.7	834.0	835.3	835.5	834.6	833.7	832.8	831.8	831.6
177.5°	831.6	832.5	833.4	834.5	835.4	835.5	834.7	834.1	833.3	832.5	832.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1295.1	1292.3	1289.9	1283.5	1280.4	1273.3	1272.3	1272.0	1262.7	1254.0	1251.5
5°	1339.6	1332.6	1322.0	1309.7	1296.9	1283.8	1275.0	1268.0	1250.3	1233.6	1224.0
7.5°	1384.4	1369.3	1351.1	1327.8	1308.4	1286.6	1270.4	1255.9	1231.0	1207.0	1190.9
10°	1417.8	1393.2	1369.1	1337.0	1311.9	1287.3	1264.5	1244.7	1216.5	1184.9	1162.4
12.5°	1438.6	1411.5	1378.2	1346.8	1314.4	1283.1	1252.5	1227.1	1194.0	1161.3	1134.7
15°	1466.6	1437.6	1397.1	1352.4	1310.6	1269.7	1234.6	1202.9	1159.9	1120.8	1088.2
17.5°	1489.5	1449.7	1406.2	1354.4	1306.1	1254.0	1208.8	1168.4	1120.4	1073.2	1034.9
20°	1496.9	1457.4	1407.3	1355.4	1298.3	1237.2	1188.4	1144.4	1093.0	1041.6	997.6
22.5°	1492.4	1461.6	1405.8	1343.8	1285.3	1221.3	1166.2	1115.3	1058.3	1005.7	954.8
25°	1461.4	1450.8	1398.1	1330.3	1263.6	1189.3	1125.6	1069.7	1004.7	948.5	893.0
27.5°	1389.0	1411.8	1379.1	1307.0	1232.7	1153.1	1081.4	1017.9	950.4	887.1	831.9
30°	1319.4	1371.7	1357.6	1290.8	1207.7	1129.5	1049.1	982.7	910.7	845.6	791.1
32.5°	1224.1	1310.5	1324.2	1268.3	1182.4	1096.5	1012.2	946.2	870.9	802.4	749.2
35°	1072.4	1201.6	1260.9	1225.3	1139.2	1046.5	959.4	882.5	806.9	739.3	686.5
37.5°	891.4	1067.4	1166.2	1168.8	1089.7	993.2	898.5	822.2	744.8	678.3	621.3
40°	774.0	964.7	1093.5	1122.1	1055.2	951.1	855.2	777.5	701.9	636.8	571.4
42.5°	668.5	858.5	1016.8	1066.5	1013.4	909.9	813.8	732.5	659.0	597.4	530.5
45°	540.6	706.7	881.2	970.0	940.6	844.7	743.2	665.8	596.8	543.6	479.5
47.5°	456.0	573.1	741.9	862.0	861.5	774.0	674.2	600.1	536.1	486.3	434.3
50°	407.9	509.8	652.6	788.9	800.3	726.9	632.0	558.6	498.9	446.5	404.8
52.5°	364.6	448.7	577.0	707.7	740.2	676.7	584.5	516.8	458.7	410.7	374.9
55°	308.1	373.2	470.7	592.9	642.1	597.3	515.6	452.3	405.2	364.8	334.0
57.5°	260.6	309.4	387.7	486.1	543.4	515.2	447.7	396.3	356.1	319.5	295.2
60°	230.7	270.7	337.1	419.3	482.6	462.8	405.2	357.3	323.0	291.4	268.5
62.5°	202.6	236.9	293.9	360.6	418.6	410.4	363.3	323.2	293.2	264.3	245.0
65°	163.1	188.1	232.5	284.8	331.4	335.4	301.5	274.2	247.5	224.5	207.4
67.5°	129.8	146.2	177.5	221.5	256.4	268.9	248.2	227.4	206.1	188.5	173.6
70°	109.4	122.6	145.5	181.1	213.2	226.4	214.5	198.2	179.8	165.2	152.5
72.5°	88.7	101.5	118.4	144.5	172.0	186.2	182.1	170.5	155.5	143.4	131.4
75°	66.8	70.8	82.2	99.8	121.3	133.6	136.7	130.5	118.6	109.4	102.4
77.5°	49.4	51.7	57.3	66.5	80.5	91.5	96.0	95.3	87.1	81.7	75.2
80°	39.5	40.9	43.5	47.4	58.0	69.0	72.1	72.1	66.4	64.1	57.6
82.5°	30.0	31.0	32.6	34.8	39.7	49.3	52.8	53.5	49.9	46.9	41.8
85°	17.1	16.7	17.6	18.9	19.8	22.4	27.7	28.6	27.7	24.2	22.8
87.5°	7.9	8.1	7.9	7.3	7.3	7.4	8.9	10.3	9.2	8.4	8.0
90°	9.9	8.9	7.7	6.5	5.0	3.5	2.1	0.6	2.1	3.5	5.0
92.5°	12.9	12.4	11.9	11.6	11.8	11.9	12.1	12.1	12.1	11.9	11.8
95°	21.6	20.7	19.7	21.5	25.9	30.3	34.8	39.2	34.8	30.3	25.9
97.5°	27.1	25.0	22.8	27.9	40.4	52.9	65.3	77.7	65.3	52.9	40.4
100°	29.8	27.6	25.2	33.3	51.7	70.0	88.3	106.7	88.3	70.0	51.7
102.5°	73.4	92.5	111.5	123.0	126.8	130.7	134.7	138.5	134.7	130.7	126.8
105°	109.9	146.5	183.0	199.3	195.3	191.3	187.3	183.2	187.3	191.3	195.3
107.5°	139.2	183.0	226.9	247.2	243.9	240.7	237.5	234.2	237.5	240.7	243.9
110°	182.9	221.6	260.3	278.3	275.4	272.7	269.8	267.0	269.8	272.7	275.4



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	285.2	294.7	304.3	307.8	305.3	302.9	300.4	297.9	300.4	302.9	305.3
115°	365.2	361.9	358.5	355.7	353.4	351.1	348.9	346.6	348.9	351.1	353.4
117.5°	407.3	405.0	402.7	400.3	397.7	395.2	392.6	390.1	392.6	395.2	397.7
120°	437.0	434.5	432.1	430.0	427.9	425.9	424.0	421.9	424.0	425.9	427.9
122.5°	465.0	462.4	459.8	457.4	455.3	453.1	451.1	448.9	451.1	453.1	455.3
125°	504.2	501.7	499.1	497.0	495.2	493.5	491.8	490.0	491.8	493.5	495.2
127.5°	540.7	538.8	536.9	535.0	533.0	531.2	529.2	527.3	529.2	531.2	533.0
130°	564.2	562.7	561.3	559.5	557.3	555.2	553.0	550.9	553.0	555.2	557.3
132.5°	586.9	585.4	583.9	582.3	580.5	578.7	576.9	575.1	576.9	578.7	580.5
135°	619.1	617.9	616.6	614.9	612.8	610.6	608.5	606.4	608.5	610.6	612.8
137.5°	648.2	646.9	645.5	644.0	642.6	641.1	639.6	638.1	639.6	641.1	642.6
140°	667.3	665.8	664.3	663.1	662.0	660.9	659.9	658.8	659.9	660.9	662.0
142.5°	684.8	683.0	681.3	680.0	679.1	678.1	677.1	676.1	677.1	678.1	679.1
145°	708.5	706.2	704.0	702.8	703.0	703.2	703.3	703.4	703.3	703.2	703.0
147.5°	730.5	728.2	726.0	725.1	725.7	726.2	726.7	727.1	726.7	726.2	725.7
150°	743.7	741.6	739.4	738.8	739.8	740.7	741.7	742.6	741.7	740.7	739.8
152.5°	756.0	754.0	751.9	751.4	752.4	753.5	754.6	755.6	754.6	753.5	752.4
155°	773.1	771.5	769.9	769.7	770.9	772.1	773.4	774.6	773.4	772.1	770.9
157.5°	787.6	786.4	785.3	785.3	786.3	787.3	788.3	789.4	788.3	787.3	786.3
160°	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1	797.2	796.4	795.7
162.5°	803.9	803.1	802.5	802.5	803.3	804.2	804.9	805.7	804.9	804.2	803.3
165°	813.5	813.1	812.7	812.9	813.7	814.5	815.3	816.1	815.3	814.5	813.7
167.5°	821.1	820.8	820.4	820.6	821.4	822.3	823.0	823.8	823.0	822.3	821.4
170°	825.3	824.9	824.7	824.9	825.8	826.6	827.3	828.2	827.3	826.6	825.8
172.5°	828.1	827.9	827.6	827.9	828.6	829.5	830.3	831.0	830.3	829.5	828.6
175°	831.3	831.0	830.7	831.0	832.0	832.9	833.9	834.8	833.9	832.9	832.0
177.5°	832.3	832.2	832.1	832.4	833.2	833.9	834.7	835.4	834.7	833.9	833.2
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1247.0	1244.5	1239.9	1232.9	1228.6	1221.2	1216.3	1219.2	1219.9	1219.2	1218.5
5°	1213.5	1204.2	1191.5	1179.1	1167.8	1155.5	1148.4	1145.3	1139.2	1135.7	1133.9
7.5°	1172.9	1157.0	1139.0	1117.6	1099.3	1080.3	1070.6	1065.7	1053.1	1046.3	1040.3
10°	1142.7	1117.7	1099.7	1071.5	1054.4	1029.3	1012.2	1012.6	995.5	985.8	978.8
12.5°	1109.3	1081.8	1051.8	1026.5	1002.6	982.6	961.9	953.6	935.3	926.0	907.1
15°	1054.0	1021.8	990.2	955.9	931.8	900.5	870.6	834.1	804.7	779.2	772.2
17.5°	993.4	953.7	922.0	881.8	840.3	787.8	753.2	732.0	714.3	700.9	690.8
20°	951.9	911.5	877.7	817.0	761.2	725.7	700.2	683.9	665.4	650.9	643.0
22.5°	908.4	866.2	820.0	752.3	708.9	680.3	657.5	638.9	626.4	615.0	607.9
25°	846.4	800.3	724.3	677.7	642.6	612.7	596.8	585.4	572.2	556.8	549.8
27.5°	781.1	707.7	653.1	618.5	584.9	565.4	551.2	534.2	522.4	515.5	508.2
30°	732.2	658.8	616.2	578.4	554.7	533.1	516.4	506.8	495.3	483.5	478.6
32.5°	677.7	619.1	578.2	546.7	522.6	504.3	491.1	475.4	467.2	459.9	449.8
35°	610.0	565.7	528.3	502.8	479.9	465.0	449.6	440.4	425.4	419.3	415.3
37.5°	552.7	514.2	486.4	459.4	441.3	424.8	415.4	400.7	394.3	385.7	377.4
40°	520.4	482.6	455.7	433.8	413.5	401.2	389.4	377.5	367.8	363.9	353.8
42.5°	487.3	456.6	429.7	405.6	392.1	379.1	364.1	355.4	345.3	339.0	332.7
45°	441.7	414.5	391.6	371.8	356.9	343.3	333.6	319.1	313.4	300.6	295.3
47.5°	401.7	376.3	354.5	335.7	321.1	312.2	298.1	286.7	277.6	269.8	263.0
50°	373.2	352.1	331.0	314.3	301.1	288.3	273.8	268.1	254.0	250.0	246.2
52.5°	347.2	327.1	307.7	291.4	278.2	265.8	253.0	245.6	236.1	232.1	229.3
55°	310.7	291.4	272.9	258.4	245.2	232.5	224.5	215.3	210.9	207.8	204.4
57.5°	274.1	256.8	242.6	227.9	214.6	204.6	195.4	189.9	185.3	181.2	177.0
60°	251.0	234.3	221.5	207.8	194.2	185.9	178.9	172.3	167.0	160.8	159.1
62.5°	226.4	211.7	200.1	186.8	175.0	167.3	160.6	154.4	148.0	139.1	136.6
65°	192.5	181.1	168.8	157.8	147.2	139.7	130.1	123.0	120.5	119.5	119.1
67.5°	162.0	151.1	140.5	129.3	119.7	112.8	107.9	106.8	105.0	104.4	103.2
70°	141.5	131.4	120.9	110.3	101.1	99.8	98.0	96.3	94.0	93.2	92.3
72.5°	123.2	112.8	102.2	93.8	89.8	88.2	86.4	84.6	83.2	82.3	81.7
75°	94.5	84.8	77.8	74.7	72.5	71.2	68.5	67.2	66.4	65.0	64.6
77.5°	68.0	62.6	59.3	57.4	55.1	53.7	52.2	50.9	49.9	49.7	49.0
80°	51.8	49.2	47.0	44.4	43.5	41.8	41.3	40.0	40.5	39.1	39.1
82.5°	40.3	36.9	35.0	33.8	33.0	31.6	31.1	30.5	30.6	29.6	29.6
85°	20.7	19.8	18.9	18.0	18.0	16.7	17.1	16.7	16.7	15.8	15.4
87.5°	8.0	7.9	7.4	7.6	7.8	7.7	7.8	7.6	7.7	7.8	7.6
90°	6.5	7.7	8.9	9.9	11.0	12.1	12.7	13.4	14.0	14.7	15.2
92.5°	11.6	11.9	12.4	12.9	13.4	13.9	14.3	14.7	15.1	15.4	15.7
95°	21.5	19.7	20.7	21.6	22.6	23.5	24.2	24.9	25.5	26.2	26.4
97.5°	27.9	22.8	25.0	27.1	29.3	31.4	32.0	32.5	33.1	33.6	33.9
100°	33.3	25.2	27.6	29.8	32.1	34.4	35.4	36.5	37.5	38.7	39.3
102.5°	123.0	111.5	92.5	73.4	54.3	35.3	36.7	38.1	39.5	40.9	41.8
105°	199.3	183.0	146.5	109.9	73.4	36.8	38.2	39.7	41.2	42.6	43.7
107.5°	247.2	226.9	183.0	139.2	95.3	51.5	49.9	48.5	47.0	45.5	45.0
110°	278.3	260.3	221.6	182.9	144.2	105.5	92.1	78.7	65.3	51.9	45.5



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.8	304.3	294.7	285.2	275.6	266.0	217.2	168.3	119.5	70.6	46.4
115°	355.7	358.5	361.9	365.2	368.5	371.9	309.9	247.9	185.8	123.8	88.0
117.5°	400.3	402.7	405.0	407.3	409.6	411.9	396.9	381.9	366.9	351.9	328.6
120°	430.0	432.1	434.5	437.0	439.4	441.8	443.4	445.1	446.6	448.2	440.0
122.5°	457.4	459.8	462.4	465.0	467.6	470.3	471.2	472.2	473.1	474.2	472.9
125°	497.0	499.1	501.7	504.2	506.8	509.3	510.2	511.2	512.1	513.1	513.8
127.5°	535.0	536.9	538.8	540.7	542.6	544.5	545.9	547.3	548.6	550.0	550.7
130°	559.5	561.3	562.7	564.2	565.7	567.2	568.7	570.2	571.6	573.1	573.8
132.5°	582.3	583.9	585.4	586.9	588.4	589.9	591.1	592.4	593.7	594.9	595.5
135°	614.9	616.6	617.9	619.1	620.3	621.5	622.8	624.1	625.4	626.8	627.3
137.5°	644.0	645.5	646.9	648.2	649.6	651.0	652.3	653.6	654.9	656.3	656.7
140°	663.1	664.3	665.8	667.3	668.7	670.3	671.5	672.7	673.9	675.1	675.4
142.5°	680.0	681.3	683.0	684.8	686.4	688.1	689.2	690.3	691.4	692.5	692.7
145°	702.8	704.0	706.2	708.5	710.8	713.1	714.0	714.9	715.8	716.8	717.0
147.5°	725.1	726.0	728.2	730.5	732.7	734.9	735.7	736.4	737.1	737.8	737.9
150°	738.8	739.4	741.6	743.7	745.9	748.0	748.8	749.6	750.4	751.2	751.3
152.5°	751.4	751.9	754.0	756.0	758.0	760.1	760.9	761.6	762.5	763.3	763.3
155°	769.7	769.9	771.5	773.1	774.7	776.4	777.1	777.9	778.8	779.5	779.4
157.5°	785.3	785.3	786.4	787.6	788.7	789.8	790.7	791.7	792.6	793.5	793.4
160°	794.8	794.8	795.7	796.4	797.2	798.1	798.8	799.6	800.5	801.2	801.2
162.5°	802.5	802.5	803.1	803.9	804.6	805.3	806.2	807.1	808.0	808.9	808.8
165°	812.9	812.7	813.1	813.5	813.9	814.3	815.3	816.2	817.1	818.0	818.0
167.5°	820.6	820.4	820.8	821.1	821.6	821.9	822.9	823.8	824.8	825.6	825.5
170°	824.9	824.7	824.9	825.3	825.5	825.8	826.7	827.7	828.5	829.5	829.4
172.5°	827.9	827.6	827.9	828.1	828.4	828.6	829.6	830.5	831.5	832.4	832.2
175°	831.0	830.7	831.0	831.3	831.6	831.8	832.8	833.7	834.6	835.5	835.3
177.5°	832.4	832.1	832.2	832.3	832.4	832.5	833.3	834.1	834.7	835.5	835.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1214.6	1215.3	1214.3	1215.0	1214.3	1215.3	1214.6	1218.5	1219.2	1219.9	1219.2
5°	1131.7	1126.4	1125.6	1124.2	1125.6	1126.4	1131.7	1133.9	1135.7	1139.2	1145.3
7.5°	1032.8	1031.9	1029.8	1026.7	1029.8	1031.9	1032.8	1040.3	1046.3	1053.1	1065.7
10°	969.1	966.9	966.5	963.4	966.5	966.9	969.1	978.8	985.8	995.5	1012.6
12.5°	894.6	880.4	878.9	871.2	878.9	880.4	894.6	907.1	926.0	935.3	953.6
15°	761.6	759.1	750.2	744.5	750.2	759.1	761.6	772.2	779.2	804.7	834.1
17.5°	685.7	677.1	674.3	673.1	674.3	677.1	685.7	690.8	700.9	714.3	732.0
20°	636.8	629.0	627.6	626.7	627.6	629.0	636.8	643.0	650.9	665.4	683.9
22.5°	603.0	594.8	591.4	588.8	591.4	594.8	603.0	607.9	615.0	626.4	638.9
25°	545.4	542.3	540.6	539.7	540.6	542.3	545.4	549.8	556.8	572.2	585.4
27.5°	500.3	493.5	492.2	490.0	492.2	493.5	500.3	508.2	515.5	522.4	534.2
30°	474.7	472.4	469.4	466.7	469.4	472.4	474.7	478.6	483.5	495.3	506.8
32.5°	444.4	442.6	439.9	438.6	439.9	442.6	444.4	449.8	459.9	467.2	475.4
35°	411.0	404.8	402.2	398.2	402.2	404.8	411.0	415.3	419.3	425.4	440.4
37.5°	375.5	372.3	368.6	369.9	368.6	372.3	375.5	377.4	385.7	394.3	400.7
40°	348.1	345.9	345.0	344.6	345.0	345.9	348.1	353.8	363.9	367.8	377.5
42.5°	326.3	320.2	318.0	317.9	318.0	320.2	326.3	332.7	339.0	345.3	355.4
45°	293.2	287.4	283.4	284.0	283.4	287.4	293.2	295.3	300.6	313.4	319.1
47.5°	259.2	259.1	256.6	257.4	256.6	259.1	259.2	263.0	269.8	277.6	286.7
50°	243.1	240.4	238.7	239.1	238.7	240.4	243.1	246.2	250.0	254.0	268.1
52.5°	227.6	225.3	223.9	225.8	223.9	225.3	227.6	229.3	232.1	236.1	245.6
55°	202.2	199.5	199.1	198.6	199.1	199.5	202.2	204.4	207.8	210.9	215.3
57.5°	173.7	172.0	169.4	168.2	169.4	172.0	173.7	177.0	181.2	185.3	189.9
60°	153.3	149.9	145.5	145.0	145.5	149.9	153.3	159.1	160.8	167.0	172.3
62.5°	134.7	134.1	133.2	133.1	133.2	134.1	134.7	136.6	139.1	148.0	154.4
65°	118.2	117.8	118.2	118.6	118.2	117.8	118.2	119.1	119.5	120.5	123.0
67.5°	103.1	102.2	101.4	101.8	101.4	102.2	103.1	103.2	104.4	105.0	106.8
70°	91.4	91.0	90.6	90.6	90.6	91.0	91.4	92.3	93.2	94.0	96.3
72.5°	80.2	80.1	79.6	79.3	79.6	80.1	80.2	81.7	82.3	83.2	84.6
75°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	64.6	65.0	66.4	67.2
77.5°	48.9	48.5	48.0	47.6	48.0	48.5	48.9	49.0	49.7	49.9	50.9
80°	38.7	38.2	37.8	37.8	37.8	38.2	38.7	39.1	39.1	40.5	40.0
82.5°	29.5	29.1	29.0	28.7	29.0	29.1	29.5	29.6	29.6	30.6	30.5
85°	15.8	16.3	15.8	16.7	15.8	16.3	15.8	15.4	15.8	16.7	16.7
87.5°	7.7	7.4	7.7	7.5	7.7	7.4	7.7	7.6	7.8	7.7	7.6
90°	15.5	15.8	16.0	16.3	16.0	15.8	15.5	15.2	14.7	14.0	13.4
92.5°	15.8	15.9	16.1	16.3	16.1	15.9	15.8	15.7	15.4	15.1	14.7
95°	26.3	26.2	26.1	25.9	26.1	26.2	26.3	26.4	26.2	25.5	24.9
97.5°	34.1	34.3	34.4	34.6	34.4	34.3	34.1	33.9	33.6	33.1	32.5
100°	39.6	39.9	40.1	40.4	40.1	39.9	39.6	39.3	38.7	37.5	36.5
102.5°	42.2	42.5	42.9	43.3	42.9	42.5	42.2	41.8	40.9	39.5	38.1
105°	44.2	44.8	45.3	45.8	45.3	44.8	44.2	43.7	42.6	41.2	39.7
107.5°	45.5	46.1	46.6	47.1	46.6	46.1	45.5	45.0	45.5	47.0	48.5
110°	46.0	46.6	47.1	47.6	47.1	46.6	46.0	45.5	51.9	65.3	78.7



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	46.8	47.3	47.7	48.1	47.7	47.3	46.8	46.4	70.6	119.5	168.3
115°	78.4	68.7	59.1	49.4	59.1	68.7	78.4	88.0	123.8	185.8	247.9
117.5°	296.9	265.2	233.5	201.8	233.5	265.2	296.9	328.6	351.9	366.9	381.9
120°	421.9	403.8	385.7	367.6	385.7	403.8	421.9	440.0	448.2	446.6	445.1
122.5°	469.3	465.8	462.4	458.8	462.4	465.8	469.3	472.9	474.2	473.1	472.2
125°	514.1	514.5	515.0	515.3	515.0	514.5	514.1	513.8	513.1	512.1	511.2
127.5°	550.8	550.9	551.0	551.0	551.0	550.9	550.8	550.7	550.0	548.6	547.3
130°	573.6	573.5	573.3	573.3	573.3	573.5	573.6	573.8	573.1	571.6	570.2
132.5°	595.3	595.2	595.0	595.0	595.0	595.2	595.3	595.5	594.9	593.7	592.4
135°	627.1	626.8	626.5	626.3	626.5	626.8	627.1	627.3	626.8	625.4	624.1
137.5°	656.2	655.7	655.3	654.8	655.3	655.7	656.2	656.7	656.3	654.9	653.6
140°	674.7	674.0	673.3	672.7	673.3	674.0	674.7	675.4	675.1	673.9	672.7
142.5°	692.1	691.4	690.7	690.0	690.7	691.4	692.1	692.7	692.5	691.4	690.3
145°	716.3	715.6	714.9	714.3	714.9	715.6	716.3	717.0	716.8	715.8	714.9
147.5°	737.3	736.8	736.2	735.6	736.2	736.8	737.3	737.9	737.8	737.1	736.4
150°	750.6	749.9	749.2	748.6	749.2	749.9	750.6	751.3	751.2	750.4	749.6
152.5°	762.3	761.5	760.6	759.7	760.6	761.5	762.3	763.3	763.3	762.5	761.6
155°	778.3	777.3	776.2	775.2	776.2	777.3	778.3	779.4	779.5	778.8	777.9
157.5°	792.4	791.3	790.3	789.2	790.3	791.3	792.4	793.4	793.5	792.6	791.7
160°	800.2	799.3	798.4	797.5	798.4	799.3	800.2	801.2	801.2	800.5	799.6
162.5°	807.6	806.5	805.3	804.2	805.3	806.5	807.6	808.8	808.9	808.0	807.1
165°	817.1	816.2	815.3	814.3	815.3	816.2	817.1	818.0	818.0	817.1	816.2
167.5°	824.3	823.1	821.9	820.7	821.9	823.1	824.3	825.5	825.6	824.8	823.8
170°	828.2	827.0	825.8	824.6	825.8	827.0	828.2	829.4	829.5	828.5	827.7
172.5°	831.0	829.8	828.6	827.4	828.6	829.8	831.0	832.2	832.4	831.5	830.5
175°	834.0	832.7	831.3	830.0	831.3	832.7	834.0	835.3	835.5	834.6	833.7
177.5°	834.5	833.4	832.5	831.6	832.5	833.4	834.5	835.4	835.5	834.7	834.1
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1216.3	1221.2	1228.6	1232.9	1239.9	1244.5	1247.0	1251.5	1254.0	1262.7	1272.0
5°	1148.4	1155.5	1167.8	1179.1	1191.5	1204.2	1213.5	1224.0	1233.6	1250.3	1268.0
7.5°	1070.6	1080.3	1099.3	1117.6	1139.0	1157.0	1172.9	1190.9	1207.0	1231.0	1255.9
10°	1012.2	1029.3	1054.4	1071.5	1099.7	1117.7	1142.7	1162.4	1184.9	1216.5	1244.7
12.5°	961.9	982.6	1002.6	1026.5	1051.8	1081.8	1109.3	1134.7	1161.3	1194.0	1227.1
15°	870.6	900.5	931.8	955.9	990.2	1021.8	1054.0	1088.2	1120.8	1159.9	1202.9
17.5°	753.2	787.8	840.3	881.8	922.0	953.7	993.4	1034.9	1073.2	1120.4	1168.4
20°	700.2	725.7	761.2	817.0	877.7	911.5	951.9	997.6	1041.6	1093.0	1144.4
22.5°	657.5	680.3	708.9	752.3	820.0	866.2	908.4	954.8	1005.7	1058.3	1115.3
25°	596.8	612.7	642.6	677.7	724.3	800.3	846.4	893.0	948.5	1004.7	1069.7
27.5°	551.2	565.4	584.9	618.5	653.1	707.7	781.1	831.9	887.1	950.4	1017.9
30°	516.4	533.1	554.7	578.4	616.2	658.8	732.2	791.1	845.6	910.7	982.7
32.5°	491.1	504.3	522.6	546.7	578.2	619.1	677.7	749.2	802.4	870.9	946.2
35°	449.6	465.0	479.9	502.8	528.3	565.7	610.0	686.5	739.3	806.9	882.5
37.5°	415.4	424.8	441.3	459.4	486.4	514.2	552.7	621.3	678.3	744.8	822.2
40°	389.4	401.2	413.5	433.8	455.7	482.6	520.4	571.4	636.8	701.9	777.5
42.5°	364.1	379.1	392.1	405.6	429.7	456.6	487.3	530.5	597.4	659.0	732.5
45°	333.6	343.3	356.9	371.8	391.6	414.5	441.7	479.5	543.6	596.8	665.8
47.5°	298.1	312.2	321.1	335.7	354.5	376.3	401.7	434.3	486.3	536.1	600.1
50°	273.8	288.3	301.1	314.3	331.0	352.1	373.2	404.8	446.5	498.9	558.6
52.5°	253.0	265.8	278.2	291.4	307.7	327.1	347.2	374.9	410.7	458.7	516.8
55°	224.5	232.5	245.2	258.4	272.9	291.4	310.7	334.0	364.8	405.2	452.3
57.5°	195.4	204.6	214.6	227.9	242.6	256.8	274.1	295.2	319.5	356.1	396.3
60°	178.9	185.9	194.2	207.8	221.5	234.3	251.0	268.5	291.4	323.0	357.3
62.5°	160.6	167.3	175.0	186.8	200.1	211.7	226.4	245.0	264.3	293.2	323.2
65°	130.1	139.7	147.2	157.8	168.8	181.1	192.5	207.4	224.5	247.5	274.2
67.5°	107.9	112.8	119.7	129.3	140.5	151.1	162.0	173.6	188.5	206.1	227.4
70°	98.0	99.8	101.1	110.3	120.9	131.4	141.5	152.5	165.2	179.8	198.2
72.5°	86.4	88.2	89.8	93.8	102.2	112.8	123.2	131.4	143.4	155.5	170.5
75°	68.5	71.2	72.5	74.7	77.8	84.8	94.5	102.4	109.4	118.6	130.5
77.5°	52.2	53.7	55.1	57.4	59.3	62.6	68.0	75.2	81.7	87.1	95.3
80°	41.3	41.8	43.5	44.4	47.0	49.2	51.8	57.6	64.1	66.4	72.1
82.5°	31.1	31.6	33.0	33.8	35.0	36.9	40.3	41.8	46.9	49.9	53.5
85°	17.1	16.7	18.0	18.0	18.9	19.8	20.7	22.8	24.2	27.7	28.6
87.5°	7.8	7.7	7.8	7.6	7.4	7.9	8.0	8.0	8.4	9.2	10.3
90°	12.7	12.1	11.0	9.9	8.9	7.7	6.5	5.0	3.5	2.1	0.6
92.5°	14.3	13.9	13.4	12.9	12.4	11.9	11.6	11.8	11.9	12.1	12.1
95°	24.2	23.5	22.6	21.6	20.7	19.7	21.5	25.9	30.3	34.8	39.2
97.5°	32.0	31.4	29.3	27.1	25.0	22.8	27.9	40.4	52.9	65.3	77.7
100°	35.4	34.4	32.1	29.8	27.6	25.2	33.3	51.7	70.0	88.3	106.7
102.5°	36.7	35.3	54.3	73.4	92.5	111.5	123.0	126.8	130.7	134.7	138.5
105°	38.2	36.8	73.4	109.9	146.5	183.0	199.3	195.3	191.3	187.3	183.2
107.5°	49.9	51.5	95.3	139.2	183.0	226.9	247.2	243.9	240.7	237.5	234.2
110°	92.1	105.5	144.2	182.9	221.6	260.3	278.3	275.4	272.7	269.8	267.0



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.2	266.0	275.6	285.2	294.7	304.3	307.8	305.3	302.9	300.4	297.9
115°	309.9	371.9	368.5	365.2	361.9	358.5	355.7	353.4	351.1	348.9	346.6
117.5°	396.9	411.9	409.6	407.3	405.0	402.7	400.3	397.7	395.2	392.6	390.1
120°	443.4	441.8	439.4	437.0	434.5	432.1	430.0	427.9	425.9	424.0	421.9
122.5°	471.2	470.3	467.6	465.0	462.4	459.8	457.4	455.3	453.1	451.1	448.9
125°	510.2	509.3	506.8	504.2	501.7	499.1	497.0	495.2	493.5	491.8	490.0
127.5°	545.9	544.5	542.6	540.7	538.8	536.9	535.0	533.0	531.2	529.2	527.3
130°	568.7	567.2	565.7	564.2	562.7	561.3	559.5	557.3	555.2	553.0	550.9
132.5°	591.1	589.9	588.4	586.9	585.4	583.9	582.3	580.5	578.7	576.9	575.1
135°	622.8	621.5	620.3	619.1	617.9	616.6	614.9	612.8	610.6	608.5	606.4
137.5°	652.3	651.0	649.6	648.2	646.9	645.5	644.0	642.6	641.1	639.6	638.1
140°	671.5	670.3	668.7	667.3	665.8	664.3	663.1	662.0	660.9	659.9	658.8
142.5°	689.2	688.1	686.4	684.8	683.0	681.3	680.0	679.1	678.1	677.1	676.1
145°	714.0	713.1	710.8	708.5	706.2	704.0	702.8	703.0	703.2	703.3	703.4
147.5°	735.7	734.9	732.7	730.5	728.2	726.0	725.1	725.7	726.2	726.7	727.1
150°	748.8	748.0	745.9	743.7	741.6	739.4	738.8	739.8	740.7	741.7	742.6
152.5°	760.9	760.1	758.0	756.0	754.0	751.9	751.4	752.4	753.5	754.6	755.6
155°	777.1	776.4	774.7	773.1	771.5	769.9	769.7	770.9	772.1	773.4	774.6
157.5°	790.7	789.8	788.7	787.6	786.4	785.3	785.3	786.3	787.3	788.3	789.4
160°	798.8	798.1	797.2	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1
162.5°	806.2	805.3	804.6	803.9	803.1	802.5	802.5	803.3	804.2	804.9	805.7
165°	815.3	814.3	813.9	813.5	813.1	812.7	812.9	813.7	814.5	815.3	816.1
167.5°	822.9	821.9	821.6	821.1	820.8	820.4	820.6	821.4	822.3	823.0	823.8
170°	826.7	825.8	825.5	825.3	824.9	824.7	824.9	825.8	826.6	827.3	828.2
172.5°	829.6	828.6	828.4	828.1	827.9	827.6	827.9	828.6	829.5	830.3	831.0
175°	832.8	831.8	831.6	831.3	831.0	830.7	831.0	832.0	832.9	833.9	834.8
177.5°	833.3	832.5	832.4	832.3	832.2	832.1	832.4	833.2	833.9	834.7	835.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331809-935

CATALOG NUMBER: S122RDIW-S675D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1272.3	1273.3	1280.4	1283.5	1289.9	1292.3	1295.1	1294.4	1294.4	1295.8	1305.7
5°	1275.0	1283.8	1296.9	1309.7	1322.0	1332.6	1339.6	1346.6	1349.3	1362.0	1373.5
7.5°	1270.4	1286.6	1308.4	1327.8	1351.1	1369.3	1384.4	1398.1	1407.4	1425.9	1444.9
10°	1264.5	1287.3	1311.9	1337.0	1369.1	1393.2	1417.8	1436.8	1442.9	1470.6	1486.4
12.5°	1252.5	1283.1	1314.4	1346.8	1378.2	1411.5	1438.6	1457.5	1479.1	1504.0	1533.2
15°	1234.6	1269.7	1310.6	1352.4	1397.1	1437.6	1466.6	1499.6	1523.3	1550.6	1576.1
17.5°	1208.8	1254.0	1306.1	1354.4	1406.2	1449.7	1489.5	1521.2	1537.9	1553.4	1557.2
20°	1188.4	1237.2	1298.3	1355.4	1407.3	1457.4	1496.9	1523.3	1527.7	1528.1	1504.9
22.5°	1166.2	1221.3	1285.3	1343.8	1405.8	1461.6	1492.4	1503.7	1486.2	1456.4	1411.4
25°	1125.6	1189.3	1263.6	1330.3	1398.1	1450.8	1461.4	1441.6	1380.4	1316.3	1235.0
27.5°	1081.4	1153.1	1232.7	1307.0	1379.1	1411.8	1389.0	1317.7	1207.6	1112.0	996.1
30°	1049.1	1129.5	1207.7	1290.8	1357.6	1371.7	1319.4	1214.4	1086.0	941.8	826.3
32.5°	1012.2	1096.5	1182.4	1268.3	1324.2	1310.5	1224.1	1094.8	944.3	802.6	693.4
35°	959.4	1046.5	1139.2	1225.3	1260.9	1201.6	1072.4	904.0	750.2	617.9	542.8
37.5°	898.5	993.2	1089.7	1168.8	1166.2	1067.4	891.4	717.6	588.3	510.1	456.6
40°	855.2	951.1	1055.2	1122.1	1093.5	964.7	774.0	610.0	515.6	453.1	414.0
42.5°	813.8	909.9	1013.4	1066.5	1016.8	858.5	668.5	540.0	462.1	413.4	381.7
45°	743.2	844.7	940.6	970.0	881.2	706.7	540.6	447.4	395.5	359.6	337.5
47.5°	674.2	774.0	861.5	862.0	741.9	573.1	456.0	387.2	342.9	315.0	299.0
50°	632.0	726.9	800.3	788.9	652.6	509.8	407.9	348.5	311.6	290.1	273.4
52.5°	584.5	676.7	740.2	707.7	577.0	448.7	364.6	314.8	284.2	265.4	250.6
55°	515.6	597.3	642.1	592.9	470.7	373.2	308.1	269.0	246.2	230.3	217.6
57.5°	447.7	515.2	543.4	486.1	387.7	309.4	260.6	231.3	208.6	197.3	190.6
60°	405.2	462.8	482.6	419.3	337.1	270.7	230.7	203.5	186.8	179.3	172.7
62.5°	363.3	410.4	418.6	360.6	293.9	236.9	202.6	179.6	168.5	161.4	155.2
65°	301.5	335.4	331.4	284.8	232.5	188.1	163.1	149.0	140.6	130.5	119.5
67.5°	248.2	268.9	256.4	221.5	177.5	146.2	129.8	119.2	108.8	99.3	96.7
70°	214.5	226.4	213.2	181.1	145.5	122.6	109.4	96.7	90.6	88.3	84.4
72.5°	182.1	186.2	172.0	144.5	118.4	101.5	88.7	81.5	78.3	76.4	73.9
75°	136.7	133.6	121.3	99.8	82.2	70.8	66.8	64.1	62.0	60.2	58.9
77.5°	96.0	91.5	80.5	66.5	57.3	51.7	49.4	48.0	46.9	46.1	44.8
80°	72.1	69.0	58.0	47.4	43.5	40.9	39.5	37.8	37.8	36.9	35.6
82.5°	52.8	49.3	39.7	34.8	32.6	31.0	30.0	29.0	28.7	28.8	27.9
85°	27.7	22.4	19.8	18.9	17.6	16.7	17.1	16.3	16.3	16.3	15.8
87.5°	8.9	7.4	7.3	7.3	7.9	8.1	7.9	8.2	8.8	8.5	9.0
90°	2.1	3.5	5.0	6.5	7.7	8.9	9.9	11.0	12.1	12.7	13.4
92.5°	12.1	11.9	11.8	11.6	11.9	12.4	12.9	13.4	13.9	14.3	14.7
95°	34.8	30.3	25.9	21.5	19.7	20.7	21.6	22.6	23.5	24.2	24.9
97.5°	65.3	52.9	40.4	27.9	22.8	25.0	27.1	29.3	31.4	32.0	32.5
100°	88.3	70.0	51.7	33.3	25.2	27.6	29.8	32.1	34.4	35.4	36.5
102.5°	134.7	130.7	126.8	123.0	111.5	92.5	73.4	54.3	35.3	36.7	38.1
105°	187.3	191.3	195.3	199.3	183.0	146.5	109.9	73.4	36.8	38.2	39.7
107.5°	237.5	240.7	243.9	247.2	226.9	183.0	139.2	95.3	51.5	49.9	48.5
110°	269.8	272.7	275.4	278.3	260.3	221.6	182.9	144.2	105.5	92.1	78.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.4	302.9	305.3	307.8	304.3	294.7	285.2	275.6	266.0	217.2	168.3
115°	348.9	351.1	353.4	355.7	358.5	361.9	365.2	368.5	371.9	309.9	247.9
117.5°	392.6	395.2	397.7	400.3	402.7	405.0	407.3	409.6	411.9	396.9	381.9
120°	424.0	425.9	427.9	430.0	432.1	434.5	437.0	439.4	441.8	443.4	445.1
122.5°	451.1	453.1	455.3	457.4	459.8	462.4	465.0	467.6	470.3	471.2	472.2
125°	491.8	493.5	495.2	497.0	499.1	501.7	504.2	506.8	509.3	510.2	511.2
127.5°	529.2	531.2	533.0	535.0	536.9	538.8	540.7	542.6	544.5	545.9	547.3
130°	553.0	555.2	557.3	559.5	561.3	562.7	564.2	565.7	567.2	568.7	570.2
132.5°	576.9	578.7	580.5	582.3	583.9	585.4	586.9	588.4	589.9	591.1	592.4
135°	608.5	610.6	612.8	614.9	616.6	617.9	619.1	620.3	621.5	622.8	624.1
137.5°	639.6	641.1	642.6	644.0	645.5	646.9	648.2	649.6	651.0	652.3	653.6
140°	659.9	660.9	662.0	663.1	664.3	665.8	667.3	668.7	670.3	671.5	672.7
142.5°	677.1	678.1	679.1	680.0	681.3	683.0	684.8	686.4	688.1	689.2	690.3
145°	703.3	703.2	703.0	702.8	704.0	706.2	708.5	710.8	713.1	714.0	714.9
147.5°	726.7	726.2	725.7	725.1	726.0	728.2	730.5	732.7	734.9	735.7	736.4
150°	741.7	740.7	739.8	738.8	739.4	741.6	743.7	745.9	748.0	748.8	749.6
152.5°	754.6	753.5	752.4	751.4	751.9	754.0	756.0	758.0	760.1	760.9	761.6
155°	773.4	772.1	770.9	769.7	769.9	771.5	773.1	774.7	776.4	777.1	777.9
157.5°	788.3	787.3	786.3	785.3	785.3	786.4	787.6	788.7	789.8	790.7	791.7
160°	797.2	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1	798.8	799.6
162.5°	804.9	804.2	803.3	802.5	802.5	803.1	803.9	804.6	805.3	806.2	807.1
165°	815.3	814.5	813.7	812.9	812.7	813.1	813.5	813.9	814.3	815.3	816.2
167.5°	823.0	822.3	821.4	820.6	820.4	820.8	821.1	821.6	821.9	822.9	823.8
170°	827.3	826.6	825.8	824.9	824.7	824.9	825.3	825.5	825.8	826.7	827.7
172.5°	830.3	829.5	828.6	827.9	827.6	827.9	828.1	828.4	828.6	829.6	830.5
175°	833.9	832.9	832.0	831.0	830.7	831.0	831.3	831.6	831.8	832.8	833.7
177.5°	834.7	833.9	833.2	832.4	832.1	832.2	832.3	832.4	832.5	833.3	834.1
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1309.2	1313.7	1315.9	1315.9	1318.4	1317.2	1316.2
5°	1384.4	1392.8	1394.6	1402.5	1408.2	1406.4	1407.3
7.5°	1459.2	1472.7	1485.9	1492.0	1493.0	1496.5	1497.8
10°	1505.3	1516.3	1537.0	1533.9	1549.2	1558.1	1543.5
12.5°	1549.6	1564.4	1578.7	1582.7	1591.5	1594.2	1588.5
15°	1589.7	1597.6	1598.4	1596.3	1598.9	1596.7	1588.4
17.5°	1552.2	1539.4	1513.4	1501.1	1491.3	1476.9	1471.1
20°	1490.3	1452.5	1408.6	1391.0	1370.4	1329.9	1339.6
22.5°	1356.8	1313.6	1269.7	1218.4	1193.9	1155.5	1153.2
25°	1148.8	1074.6	992.8	935.7	902.3	864.1	847.4
27.5°	893.2	799.7	732.7	698.8	668.0	637.7	636.4
30°	725.1	654.9	603.0	574.0	555.1	542.3	545.0
32.5°	611.2	563.1	528.1	504.0	490.1	480.4	480.3
35°	499.7	466.7	444.4	434.2	424.1	417.1	417.5
37.5°	427.7	407.9	395.4	384.2	377.9	374.4	372.6
40°	390.7	374.4	364.8	358.2	352.9	348.1	347.2
42.5°	361.5	348.1	338.4	333.2	328.3	324.9	324.0
45°	320.8	309.9	301.1	295.3	293.2	290.1	290.1
47.5°	285.4	274.6	267.8	264.2	260.4	258.3	258.2
50°	261.5	253.1	247.0	244.8	241.7	240.4	240.0
52.5°	240.0	233.8	229.5	227.9	226.6	224.9	225.2
55°	210.9	207.4	205.7	204.4	202.2	199.5	201.3
57.5°	186.4	183.5	178.7	174.6	172.5	170.7	171.4
60°	169.2	163.1	156.9	152.1	150.8	146.8	146.8
62.5°	147.4	138.8	131.2	128.5	127.2	125.4	125.0
65°	113.4	109.9	108.1	106.3	105.5	105.5	104.6
67.5°	93.9	92.6	90.7	90.1	89.3	89.0	88.8
70°	83.1	81.3	80.4	80.0	79.1	79.6	78.3
72.5°	72.5	71.1	70.9	69.8	69.2	69.3	68.4
75°	57.2	57.2	56.7	56.2	55.4	54.9	55.4
77.5°	43.9	44.0	43.2	43.1	43.0	43.1	42.7
80°	35.1	35.6	35.1	34.7	34.3	34.7	34.3
82.5°	27.8	27.1	27.0	26.9	26.9	26.6	26.5
85°	15.8	16.3	15.8	15.4	15.4	15.4	15.8
87.5°	8.8	9.0	9.0	9.0	9.1	9.2	8.9
90°	14.0	14.7	15.2	15.5	15.8	16.0	16.3
92.5°	15.1	15.4	15.7	15.8	15.9	16.1	16.3
95°	25.5	26.2	26.4	26.3	26.2	26.1	25.9
97.5°	33.1	33.6	33.9	34.1	34.3	34.4	34.6
100°	37.5	38.7	39.3	39.6	39.9	40.1	40.4
102.5°	39.5	40.9	41.8	42.2	42.5	42.9	43.3
105°	41.2	42.6	43.7	44.2	44.8	45.3	45.8
107.5°	47.0	45.5	45.0	45.5	46.1	46.6	47.1
110°	65.3	51.9	45.5	46.0	46.6	47.1	47.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	119.5	70.6	46.4	46.8	47.3	47.7	48.1
115°	185.8	123.8	88.0	78.4	68.7	59.1	49.4
117.5°	366.9	351.9	328.6	296.9	265.2	233.5	201.8
120°	446.6	448.2	440.0	421.9	403.8	385.7	367.6
122.5°	473.1	474.2	472.9	469.3	465.8	462.4	458.8
125°	512.1	513.1	513.8	514.1	514.5	515.0	515.3
127.5°	548.6	550.0	550.7	550.8	550.9	551.0	551.0
130°	571.6	573.1	573.8	573.6	573.5	573.3	573.3
132.5°	593.7	594.9	595.5	595.3	595.2	595.0	595.0
135°	625.4	626.8	627.3	627.1	626.8	626.5	626.3
137.5°	654.9	656.3	656.7	656.2	655.7	655.3	654.8
140°	673.9	675.1	675.4	674.7	674.0	673.3	672.7
142.5°	691.4	692.5	692.7	692.1	691.4	690.7	690.0
145°	715.8	716.8	717.0	716.3	715.6	714.9	714.3
147.5°	737.1	737.8	737.9	737.3	736.8	736.2	735.6
150°	750.4	751.2	751.3	750.6	749.9	749.2	748.6
152.5°	762.5	763.3	763.3	762.3	761.5	760.6	759.7
155°	778.8	779.5	779.4	778.3	777.3	776.2	775.2
157.5°	792.6	793.5	793.4	792.4	791.3	790.3	789.2
160°	800.5	801.2	801.2	800.2	799.3	798.4	797.5
162.5°	808.0	808.9	808.8	807.6	806.5	805.3	804.2
165°	817.1	818.0	818.0	817.1	816.2	815.3	814.3
167.5°	824.8	825.6	825.5	824.3	823.1	821.9	820.7
170°	828.5	829.5	829.4	828.2	827.0	825.8	824.6
172.5°	831.5	832.4	832.2	831.0	829.8	828.6	827.4
175°	834.6	835.5	835.3	834.0	832.7	831.3	830.0
177.5°	834.7	835.5	835.4	834.5	833.4	832.5	831.6
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0

(END OF REPORT)