

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: P331814-927

Luminaire Tested: **S122RDIW-S675D970U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331814-927
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: S122RDIW-S675D970U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4673.7 lumens
Efficiency: N/A
Efficacy: 88.9 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

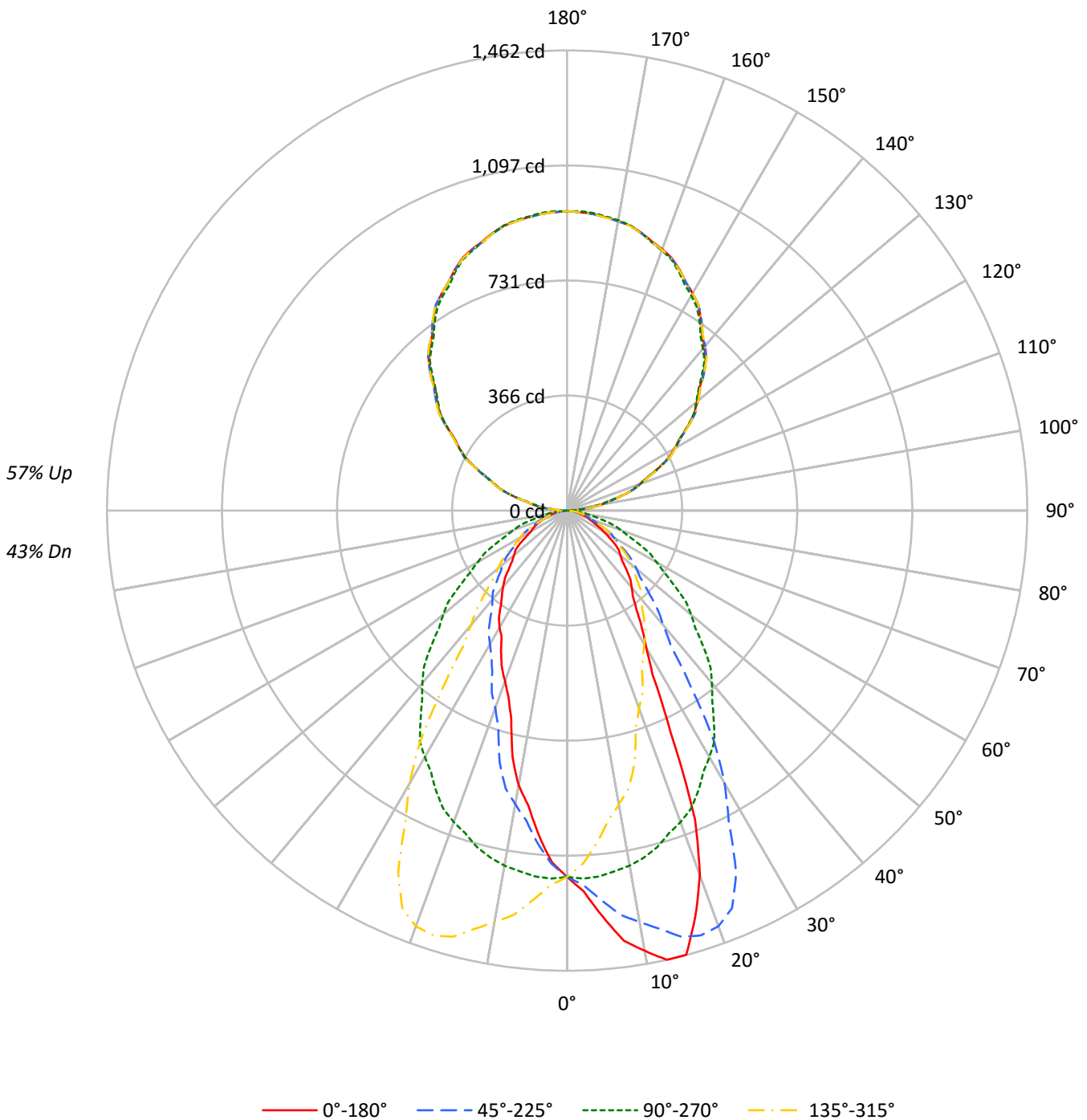
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	71	68	67	57	56	55	45	44	43	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	40	39	38	33
3	81	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	65	57	52	68	60	53	48	50	45	42	41	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	36	38	34	31	30	28	26	22
6	64	52	45	39	58	48	42	37	41	36	32	34	30	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	32	29	31	28	25	26	23	21	18
8	55	43	36	31	50	40	34	29	34	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	24	21	25	21	19	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18791	18791	18791	18791
5°	20985	18908	16765	18908
10°	23282	18775	14532	18775
15°	24428	18501	11450	18501
20°	21179	18093	9907	18093
25°	13890	17533	8845	17533
30°	9350	16858	8006	16858
35°	7571	16005	7222	16005
40°	6734	15076	6681	15076
45°	6094	13988	5966	13988
50°	5546	12911	5526	12911
55°	5213	11713	5146	11713
60°	4363	10618	4308	10618
65°	3679	9639	4172	9639
70°	3399	8611	3932	8611
75°	3175	7492	3631	7492
80°	2929	6165	3236	6165
85°	2705	4872	2853	4872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	2.4
10°-20°	307.4	6.6
20°-30°	396.1	8.5
30°-40°	376.4	8.1
40°-50°	322.5	6.9
50°-60°	245.6	5.3
60°-70°	155.2	3.3
70°-80°	77.5	1.7
80°-90°	24.0	0.5
90°-100°	60.2	1.3
100°-110°	187.1	4.0
110°-120°	319.9	6.8
120°-130°	420.6	9.0
130°-140°	472.1	10.1
140°-150°	462.9	9.9
150°-160°	388.3	8.3
160°-170°	257.5	5.5
170°-180°	90.0	1.9
0°-30°	813.8	17.4
0°-40°	1190.3	25.5
0°-60°	1758.3	37.6
0°-90°	2015.1	43.1
90°-120°	567.2	12.1
90°-150°	1922.8	41.1
90°-180°	2659.0	56.9
0°-180°	4673.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1164	1164	1164	1164	1164	
5°	1295	1167	1034	1167	1295	128
15°	1461	1107	685	1107	1461	394
25°	780	984	496	984	780	370
35°	384	812	366	812	384	246
45°	267	613	261	613	267	207
55°	185	416	183	416	185	163
65°	96	252	109	252	96	98
75°	51	120	58	120	51	54
85°	15	26	15	26	15	16
90°	27	1	27	1	27	12
95°	50	42	50	42	50	55
105°	178	172	178	172	178	187
115°	321	321	321	321	321	317
125°	469	467	469	467	469	418
135°	611	604	611	604	611	471
145°	741	733	741	733	741	463
155°	845	838	845	838	845	389
165°	913	912	913	912	913	258
175°	946	949	946	949	946	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1211.0	1212.0	1213.0	1210.7	1210.7	1208.7	1204.5	1201.3	1192.2	1191.0	1191.0
5°	1294.8	1294.0	1295.6	1290.4	1283.1	1281.4	1273.7	1263.7	1253.2	1241.4	1239.0
7.5°	1378.1	1376.9	1373.6	1372.8	1367.1	1354.9	1342.6	1329.4	1311.9	1294.9	1286.3
10°	1420.1	1433.5	1425.4	1411.3	1414.1	1395.1	1385.0	1367.6	1353.0	1327.5	1321.9
12.5°	1461.6	1466.8	1464.3	1456.2	1452.5	1439.4	1425.8	1410.6	1383.8	1360.9	1341.0
15°	1461.4	1469.1	1471.1	1468.7	1470.7	1469.9	1462.6	1450.1	1426.6	1401.5	1379.7
17.5°	1353.5	1358.8	1372.1	1381.1	1392.4	1416.3	1428.1	1432.7	1429.3	1415.0	1399.6
20°	1232.6	1223.6	1260.8	1279.8	1296.0	1336.4	1371.2	1384.6	1406.0	1405.6	1401.5
22.5°	1061.0	1063.2	1098.4	1121.0	1168.2	1208.6	1248.3	1298.5	1340.0	1367.4	1383.5
25°	779.7	795.0	830.2	860.9	913.5	988.7	1057.0	1136.3	1211.1	1270.1	1326.4
27.5°	585.5	586.7	614.6	642.9	674.1	735.8	821.8	916.5	1023.1	1111.1	1212.4
30°	501.5	499.0	510.7	528.1	554.8	602.5	667.2	760.3	866.6	999.2	1117.3
32.5°	441.9	442.0	450.9	463.7	485.9	518.1	562.4	637.9	738.5	868.9	1007.3
35°	384.1	383.7	390.2	399.5	408.8	429.4	459.8	499.4	568.5	690.2	831.8
37.5°	342.8	344.5	347.7	353.5	363.8	375.3	393.5	420.1	469.3	541.3	660.3
40°	319.5	320.3	324.7	329.5	335.6	344.5	359.5	380.9	416.9	474.4	561.3
42.5°	298.1	298.9	302.1	306.6	311.3	320.3	332.6	351.2	380.3	425.2	496.9
45°	266.9	266.9	269.7	271.7	277.0	285.1	295.2	310.5	330.8	363.9	411.6
47.5°	237.6	237.7	239.6	243.0	246.4	252.6	262.6	275.1	289.9	315.5	356.2
50°	220.8	221.2	222.4	225.2	227.3	232.9	240.6	251.5	266.9	286.7	320.7
52.5°	207.2	206.9	208.5	209.7	211.1	215.2	220.9	230.5	244.2	261.5	289.6
55°	185.2	183.5	186.0	188.1	189.3	190.8	194.1	200.2	211.9	226.5	247.5
57.5°	157.7	157.1	158.8	160.7	164.5	168.8	171.5	175.4	181.5	191.9	212.8
60°	135.1	135.1	138.7	139.9	144.3	150.0	155.7	158.9	165.0	171.8	187.2
62.5°	115.0	115.3	117.0	118.3	120.7	127.7	135.6	142.8	148.5	155.0	165.2
65°	96.3	97.0	97.0	97.8	99.5	101.1	104.3	110.0	120.1	129.4	137.0
67.5°	81.7	81.9	82.1	82.9	83.4	85.2	86.4	89.0	91.3	100.1	109.6
70°	72.0	73.2	72.8	73.6	74.0	74.8	76.4	77.6	81.3	83.3	89.0
72.5°	62.9	63.8	63.7	64.2	65.3	65.4	66.7	68.0	70.3	72.0	75.0
75°	50.9	50.5	50.9	51.7	52.1	52.6	52.6	54.2	55.4	57.0	59.0
77.5°	39.3	39.7	39.6	39.7	39.8	40.5	40.4	41.2	42.4	43.2	44.1
80°	31.5	31.9	31.5	31.9	32.3	32.7	32.3	32.7	34.0	34.8	34.8
82.5°	24.4	24.5	24.7	24.8	24.9	25.0	25.6	25.7	26.5	26.4	26.7
85°	14.6	14.2	14.2	14.2	14.6	15.0	14.6	14.6	15.0	15.0	15.0
87.5°	10.6	10.9	10.9	10.9	10.8	10.9	10.9	11.3	11.0	11.4	10.3
90°	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3	27.7	28.0	24.2
92.5°	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7	25.6	25.5	24.6
95°	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.0
97.5°	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	85.6
100°	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7	110.7	110.7	110.2
102.5°	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4	137.2	137.0	136.3
105°	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2	176.9	176.5	176.2
107.5°	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3	220.1	220.0	220.0
110°	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8	279.2	279.7	279.9
115°	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8	324.0	324.2	324.5
117.5°	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3	367.7	368.1	369.2
120°	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4	396.4	396.4	397.8
122.5°	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4	426.7	427.1	428.2
125°	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7	471.3	471.8	472.3
127.5°	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8	514.4	515.2	515.8
130°	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3	543.7	544.0	544.4
132.5°	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0	572.7	573.5	573.5
135°	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3	614.4	614.6	614.3
137.5°	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7	654.9	655.1	654.6
140°	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0	682.0	682.0	681.1
142.5°	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7	706.5	706.4	705.8
145°	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2	743.9	743.8	742.8
147.5°	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0	776.6	776.2	775.5
150°	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8	797.3	796.8	796.1
152.5°	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6	817.9	817.3	816.4
155°	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1	844.1	843.3	842.7
157.5°	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5	868.2	867.0	866.7
160°	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9	882.9	881.8	881.6
162.5°	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1	895.9	894.6	894.5
165°	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0	912.8	911.5	911.5
167.5°	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0	926.7	925.4	925.5
170°	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6	934.4	933.2	933.3
172.5°	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4	940.2	938.9	939.1
175°	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7	946.4	945.2	945.5
177.5°	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6	949.7	948.9	949.2
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1191.6	1189.0	1186.8	1180.9	1178.1	1171.6	1170.6	1170.3	1161.8	1153.7	1151.5
5°	1232.6	1226.1	1216.3	1205.0	1193.3	1181.1	1173.1	1166.6	1150.4	1135.0	1126.2
7.5°	1273.7	1259.9	1243.1	1221.7	1203.8	1183.8	1168.9	1155.6	1132.6	1110.6	1095.7
10°	1304.5	1281.8	1259.6	1230.1	1207.0	1184.4	1163.4	1145.2	1119.3	1090.2	1069.5
12.5°	1323.6	1298.7	1268.0	1239.1	1209.3	1180.5	1152.4	1129.0	1098.6	1068.5	1044.0
15°	1349.4	1322.7	1285.5	1244.3	1205.9	1168.2	1135.9	1106.8	1067.1	1031.2	1001.2
17.5°	1370.5	1333.8	1293.8	1246.1	1201.7	1153.8	1112.1	1075.0	1030.9	987.5	952.2
20°	1377.3	1340.9	1294.8	1247.1	1194.5	1138.3	1093.4	1053.0	1005.7	958.4	917.9
22.5°	1373.1	1344.8	1293.5	1236.4	1182.6	1123.7	1073.0	1026.1	973.7	925.3	878.5
25°	1344.6	1334.8	1286.3	1224.0	1162.6	1094.2	1035.6	984.2	924.4	872.7	821.7
27.5°	1277.9	1298.9	1268.8	1202.5	1134.2	1060.9	995.0	936.5	874.4	816.2	765.4
30°	1213.9	1262.0	1249.1	1187.6	1111.2	1039.3	965.3	904.2	837.9	778.0	727.9
32.5°	1126.2	1205.8	1218.4	1167.0	1087.9	1008.8	931.3	870.5	801.3	738.2	689.4
35°	986.7	1105.6	1160.2	1127.4	1048.1	962.8	882.7	812.0	742.4	680.2	631.6
37.5°	820.1	982.1	1073.0	1075.4	1002.6	913.9	826.7	756.5	685.2	624.1	571.6
40°	712.1	887.6	1006.1	1032.4	970.9	875.0	786.9	715.3	645.8	585.9	525.7
42.5°	615.1	789.9	935.6	981.3	932.4	837.2	748.8	673.9	606.3	549.7	488.1
45°	497.4	650.2	810.8	892.5	865.4	777.2	683.8	612.6	549.1	500.2	441.2
47.5°	419.5	527.3	682.6	793.1	792.7	712.2	620.3	552.2	493.3	447.4	399.6
50°	375.3	469.1	600.5	725.9	736.3	668.8	581.5	514.0	459.0	410.8	372.4
52.5°	335.5	412.8	530.9	651.1	681.0	622.6	537.8	475.5	422.1	377.9	344.9
55°	283.4	343.3	433.1	545.5	590.8	549.5	474.4	416.1	372.8	335.6	307.3
57.5°	239.8	284.7	356.7	447.3	499.9	474.0	411.9	364.6	327.6	294.0	271.6
60°	212.3	249.1	310.1	385.8	444.0	425.8	372.8	328.8	297.2	268.1	247.1
62.5°	186.4	218.0	270.4	331.8	385.2	377.6	334.3	297.4	269.7	243.2	225.4
65°	150.0	173.1	213.9	262.1	304.9	308.6	277.4	252.3	227.7	206.6	190.8
67.5°	119.5	134.5	163.3	203.8	235.9	247.4	228.4	209.2	189.6	173.4	159.7
70°	100.7	112.8	133.9	166.6	196.1	208.3	197.3	182.4	165.4	152.0	140.3
72.5°	81.6	93.4	108.9	132.9	158.3	171.3	167.5	156.9	143.1	132.0	120.9
75°	61.5	65.1	75.7	91.8	111.6	122.9	125.8	120.1	109.2	100.7	94.2
77.5°	45.5	47.6	52.7	61.2	74.1	84.2	88.3	87.7	80.2	75.2	69.2
80°	36.4	37.6	40.0	43.6	53.4	63.5	66.3	66.3	61.1	59.0	53.0
82.5°	27.6	28.5	30.0	32.0	36.5	45.4	48.6	49.2	45.9	43.2	38.4
85°	15.8	15.4	16.2	17.3	18.2	20.6	25.5	26.3	25.5	22.3	21.0
87.5°	9.6	9.1	8.3	7.4	7.3	7.1	8.3	9.5	8.7	8.2	7.9
90°	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8	2.9	5.1	7.2
92.5°	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3	15.8	17.4	19.0
95°	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7	43.5	45.3	47.1
97.5°	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2	77.8	79.4	81.0
100°	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9	103.3	104.7	106.2
102.5°	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9	130.0	131.1	132.3
105°	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5	173.0	173.6	174.1
107.5°	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5	217.3	218.0	218.8
110°	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7	245.8	246.8	248.0



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5	276.6	277.7	278.8
115°	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9	322.0	323.1	324.2
117.5°	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2	367.7	369.1	370.5
120°	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	397.8	399.3	400.7
122.5°	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0	425.7	427.4	429.1
125°	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0	468.6	470.2	471.8
127.5°	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9	510.9	512.9	515.0
130°	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2	537.5	539.8	542.2
132.5°	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7	566.6	568.5	570.4
135°	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2	606.2	608.1	610.1
137.5°	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7	647.4	649.0	650.5
140°	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7	672.4	674.0	675.6
142.5°	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5	698.1	699.7	701.2
145°	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3	734.6	735.9	737.1
147.5°	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3	767.8	769.3	770.7
150°	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7	789.8	790.8	791.9
152.5°	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7	809.7	810.8	811.8
155°	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4	839.0	839.6	840.1
157.5°	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0	864.4	864.7	865.1
160°	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4	879.7	880.1	880.4
162.5°	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5	893.6	893.7	893.7
165°	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3	912.1	912.0	911.7
167.5°	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0	927.5	926.9	926.4
170°	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4	935.8	935.3	934.8
172.5°	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1	941.6	941.0	940.6
175°	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2	948.6	948.2	947.6
177.5°	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1	951.6	951.3	950.8
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1147.3	1145.0	1140.8	1134.3	1130.4	1123.6	1119.1	1121.7	1122.4	1121.7	1121.1
5°	1116.5	1107.9	1096.2	1084.9	1074.4	1063.1	1056.6	1053.8	1048.1	1044.9	1043.3
7.5°	1079.2	1064.5	1048.0	1028.3	1011.5	994.0	985.0	980.5	968.9	962.7	957.1
10°	1051.4	1028.3	1011.8	985.9	970.1	947.1	931.3	931.7	915.9	907.0	900.6
12.5°	1020.6	995.3	967.7	944.4	922.5	904.0	885.0	877.3	860.5	852.0	834.6
15°	969.7	940.2	911.1	879.5	857.3	828.5	801.1	767.5	740.4	716.9	710.5
17.5°	914.0	877.5	848.3	811.3	773.2	724.8	693.0	673.5	657.2	644.8	635.6
20°	875.8	838.7	807.6	751.7	700.4	667.7	644.2	629.2	612.2	598.9	591.6
22.5°	835.8	796.9	754.5	692.2	652.2	625.9	605.0	587.8	576.3	565.9	559.3
25°	778.8	736.3	666.4	623.5	591.2	563.7	549.1	538.6	526.5	512.3	505.9
27.5°	718.7	651.1	600.9	569.0	538.1	520.2	507.2	491.5	480.6	474.3	467.5
30°	673.7	606.2	567.0	532.2	510.3	490.5	475.2	466.3	455.7	444.8	440.4
32.5°	623.5	569.6	532.0	503.0	480.9	464.0	451.9	437.4	429.8	423.1	413.8
35°	561.3	520.5	486.1	462.6	441.6	427.9	413.7	405.2	391.4	385.8	382.1
37.5°	508.5	473.1	447.5	422.7	406.1	390.9	382.2	368.7	362.7	354.9	347.2
40°	478.8	444.0	419.3	399.1	380.5	369.2	358.3	347.4	338.4	334.9	325.5
42.5°	448.4	420.1	395.4	373.2	360.8	348.8	335.0	327.0	317.7	311.9	306.1
45°	406.4	381.4	360.3	342.1	328.4	315.8	306.9	293.6	288.4	276.6	271.7
47.5°	369.6	346.2	326.1	308.9	295.4	287.2	274.3	263.8	255.4	248.2	242.0
50°	343.3	323.9	304.5	289.1	277.0	265.3	251.9	246.7	233.7	230.0	226.5
52.5°	319.4	301.0	283.1	268.1	256.0	244.5	232.8	225.9	217.2	213.6	211.0
55°	285.9	268.1	251.1	237.7	225.6	213.9	206.6	198.1	194.1	191.2	188.1
57.5°	252.2	236.2	223.2	209.7	197.5	188.2	179.7	174.7	170.5	166.8	162.9
60°	230.9	215.6	203.8	191.2	178.7	171.0	164.6	158.5	153.7	148.0	146.4
62.5°	208.3	194.8	184.1	171.8	161.0	153.9	147.7	142.0	136.2	127.9	125.6
65°	177.1	166.6	155.3	145.2	135.5	128.6	119.7	113.2	110.8	110.0	109.6
67.5°	149.0	139.0	129.3	119.0	110.1	103.8	99.3	98.2	96.6	96.1	95.0
70°	130.2	120.9	111.2	101.5	93.0	91.8	90.2	88.6	86.5	85.7	84.9
72.5°	113.4	103.8	94.0	86.3	82.6	81.1	79.5	77.9	76.5	75.7	75.2
75°	86.9	78.0	71.6	68.8	66.7	65.5	63.1	61.9	61.1	59.8	59.4
77.5°	62.6	57.6	54.6	52.8	50.7	49.4	48.0	46.8	45.9	45.7	45.1
80°	47.7	45.3	43.3	40.9	40.0	38.4	38.0	36.8	37.2	36.0	36.0
82.5°	37.1	34.0	32.2	31.1	30.3	29.1	28.6	28.0	28.1	27.3	27.3
85°	19.0	18.2	17.3	16.6	16.6	15.4	15.8	15.4	15.4	14.6	14.2
87.5°	8.0	8.3	8.5	9.2	10.0	10.5	10.4	10.0	9.9	9.8	9.5
90°	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3	27.0	26.6	26.5
92.5°	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7	25.7	25.8	25.8
95°	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3	51.3	51.3	51.2
97.5°	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3
100°	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7	110.7	110.7	110.7
102.5°	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4	137.4	137.6	137.6
105°	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2	177.6	177.9	178.2
107.5°	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3	220.5	220.5	220.2
110°	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.3



TEST NUMBER: P331814-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8	278.5	278.0	277.6
115°	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8	323.6	323.4	323.1
117.5°	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3	366.9	366.4	365.9
120°	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4	396.4	396.4	396.1
122.5°	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4	425.9	425.5	425.1
125°	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7	470.2	469.7	469.3
127.5°	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8	513.2	512.5	511.9
130°	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3	543.0	542.6	542.0
132.5°	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0	571.2	570.4	569.7
135°	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3	614.1	613.9	613.5
137.5°	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7	654.7	654.5	654.0
140°	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0	682.0	682.0	681.7
142.5°	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7	706.9	706.9	706.7
145°	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2	744.3	744.5	744.3
147.5°	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0	777.4	777.8	777.6
150°	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8	798.4	798.9	798.9
152.5°	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6	819.4	820.0	820.0
155°	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1	846.0	846.8	847.0
157.5°	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5	870.7	871.9	872.0
160°	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9	885.0	886.1	886.3
162.5°	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1	898.3	899.5	899.7
165°	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0	915.2	916.5	916.6
167.5°	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0	929.2	930.4	930.6
170°	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6	936.9	938.2	938.3
172.5°	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4	942.7	943.9	944.0
175°	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7	949.0	950.1	950.3
177.5°	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6	951.4	952.3	952.3
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1117.5	1118.2	1117.2	1117.8	1117.2	1118.2	1117.5	1121.1	1121.7	1122.4	1121.7
5°	1041.2	1036.4	1035.6	1034.4	1035.6	1036.4	1041.2	1043.3	1044.9	1048.1	1053.8
7.5°	950.2	949.4	947.5	944.6	947.5	949.4	950.2	957.1	962.7	968.9	980.5
10°	891.6	889.6	889.2	886.4	889.2	889.6	891.6	900.6	907.0	915.9	931.7
12.5°	823.1	810.0	808.7	801.6	808.7	810.0	823.1	834.6	852.0	860.5	877.3
15°	700.8	698.4	690.2	685.0	690.2	698.4	700.8	710.5	716.9	740.4	767.5
17.5°	630.9	623.0	620.4	619.3	620.4	623.0	630.9	635.6	644.8	657.2	673.5
20°	585.9	578.7	577.4	576.6	577.4	578.7	585.9	591.6	598.9	612.2	629.2
22.5°	554.8	547.2	544.2	541.7	544.2	547.2	554.8	559.3	565.9	576.3	587.8
25°	501.8	499.0	497.4	496.5	497.4	499.0	501.8	505.9	512.3	526.5	538.6
27.5°	460.3	454.1	452.9	450.8	452.9	454.1	460.3	467.5	474.3	480.6	491.5
30°	436.7	434.7	431.9	429.4	431.9	434.7	436.7	440.4	444.8	455.7	466.3
32.5°	408.9	407.2	404.7	403.5	404.7	407.2	408.9	413.8	423.1	429.8	437.4
35°	378.1	372.4	370.0	366.4	370.0	372.4	378.1	382.1	385.8	391.4	405.2
37.5°	345.5	342.5	339.1	340.3	339.1	342.5	345.5	347.2	354.9	362.7	368.7
40°	320.3	318.2	317.4	317.0	317.4	318.2	320.3	325.5	334.9	338.4	347.4
42.5°	300.2	294.6	292.6	292.5	292.6	294.6	300.2	306.1	311.9	317.7	327.0
45°	269.7	264.4	260.8	261.3	260.8	264.4	269.7	271.7	276.6	288.4	293.6
47.5°	238.5	238.4	236.1	236.8	236.1	238.4	238.5	242.0	248.2	255.4	263.8
50°	223.6	221.2	219.6	220.0	219.6	221.2	223.6	226.5	230.0	233.7	246.7
52.5°	209.4	207.3	206.0	207.7	206.0	207.3	209.4	211.0	213.6	217.2	225.9
55°	186.0	183.5	183.2	182.8	183.2	183.5	186.0	188.1	191.2	194.1	198.1
57.5°	159.9	158.3	155.8	154.8	155.8	158.3	159.9	162.9	166.8	170.5	174.7
60°	141.1	137.9	133.9	133.4	133.9	137.9	141.1	146.4	148.0	153.7	158.5
62.5°	124.0	123.3	122.6	122.5	122.6	123.3	124.0	125.6	127.9	136.2	142.0
65°	108.8	108.4	108.8	109.2	108.8	108.4	108.8	109.6	110.0	110.8	113.2
67.5°	94.8	94.0	93.3	93.6	93.3	94.0	94.8	95.0	96.1	96.6	98.2
70°	84.1	83.7	83.3	83.3	83.3	83.7	84.1	84.9	85.7	86.5	88.6
72.5°	73.8	73.7	73.3	73.0	73.3	73.7	73.8	75.2	75.7	76.5	77.9
75°	59.0	58.2	58.2	58.2	58.2	58.2	59.0	59.4	59.8	61.1	61.9
77.5°	45.0	44.6	44.1	43.8	44.1	44.6	45.0	45.1	45.7	45.9	46.8
80°	35.6	35.2	34.8	34.8	34.8	35.2	35.6	36.0	36.0	37.2	36.8
82.5°	27.2	26.8	26.7	26.4	26.7	26.8	27.2	27.3	27.3	28.1	28.0
85°	14.6	15.0	14.6	15.4	14.6	15.0	14.6	14.2	14.6	15.4	15.4
87.5°	9.6	9.3	9.7	9.3	9.7	9.3	9.6	9.5	9.8	9.9	10.0
90°	26.8	26.9	27.1	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3
92.5°	25.9	25.9	26.0	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7
95°	50.8	50.5	50.1	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3
97.5°	86.3	86.3	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
100°	110.4	110.3	110.1	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7
102.5°	137.4	137.2	137.0	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4
105°	178.2	178.2	178.2	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2
107.5°	219.4	218.6	217.8	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3
110°	248.7	248.2	247.6	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.2	276.8	276.4	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8
115°	322.6	322.0	321.5	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8
117.5°	365.4	364.9	364.3	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3
120°	395.5	395.1	394.5	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4
122.5°	424.7	424.3	423.9	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4
125°	469.1	469.0	468.7	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7
127.5°	511.4	510.8	510.2	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8
130°	541.3	540.6	539.9	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3
132.5°	569.2	568.5	568.0	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0
135°	613.0	612.4	612.0	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3
137.5°	653.3	652.6	651.9	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7
140°	681.0	680.2	679.5	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0
142.5°	706.0	705.3	704.6	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7
145°	743.5	742.8	742.1	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2
147.5°	777.0	776.3	775.6	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0
150°	798.4	797.8	797.3	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8
152.5°	819.4	818.6	817.9	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6
155°	846.5	846.0	845.4	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1
157.5°	871.2	870.4	869.5	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5
160°	885.6	884.9	884.2	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9
162.5°	898.8	897.9	897.1	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1
165°	915.8	914.9	914.0	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0
167.5°	929.7	928.8	927.8	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0
170°	937.2	936.1	935.0	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6
172.5°	942.9	941.9	940.8	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4
175°	949.2	948.2	947.1	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7
177.5°	951.4	950.6	949.7	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1119.1	1123.6	1130.4	1134.3	1140.8	1145.0	1147.3	1151.5	1153.7	1161.8	1170.3
5°	1056.6	1063.1	1074.4	1084.9	1096.2	1107.9	1116.5	1126.2	1135.0	1150.4	1166.6
7.5°	985.0	994.0	1011.5	1028.3	1048.0	1064.5	1079.2	1095.7	1110.6	1132.6	1155.6
10°	931.3	947.1	970.1	985.9	1011.8	1028.3	1051.4	1069.5	1090.2	1119.3	1145.2
12.5°	885.0	904.0	922.5	944.4	967.7	995.3	1020.6	1044.0	1068.5	1098.6	1129.0
15°	801.1	828.5	857.3	879.5	911.1	940.2	969.7	1001.2	1031.2	1067.1	1106.8
17.5°	693.0	724.8	773.2	811.3	848.3	877.5	914.0	952.2	987.5	1030.9	1075.0
20°	644.2	667.7	700.4	751.7	807.6	838.7	875.8	917.9	958.4	1005.7	1053.0
22.5°	605.0	625.9	652.2	692.2	754.5	796.9	835.8	878.5	925.3	973.7	1026.1
25°	549.1	563.7	591.2	623.5	666.4	736.3	778.8	821.7	872.7	924.4	984.2
27.5°	507.2	520.2	538.1	569.0	600.9	651.1	718.7	765.4	816.2	874.4	936.5
30°	475.2	490.5	510.3	532.2	567.0	606.2	673.7	727.9	778.0	837.9	904.2
32.5°	451.9	464.0	480.9	503.0	532.0	569.6	623.5	689.4	738.2	801.3	870.5
35°	413.7	427.9	441.6	462.6	486.1	520.5	561.3	631.6	680.2	742.4	812.0
37.5°	382.2	390.9	406.1	422.7	447.5	473.1	508.5	571.6	624.1	685.2	756.5
40°	358.3	369.2	380.5	399.1	419.3	444.0	478.8	525.7	585.9	645.8	715.3
42.5°	335.0	348.8	360.8	373.2	395.4	420.1	448.4	488.1	549.7	606.3	673.9
45°	306.9	315.8	328.4	342.1	360.3	381.4	406.4	441.2	500.2	549.1	612.6
47.5°	274.3	287.2	295.4	308.9	326.1	346.2	369.6	399.6	447.4	493.3	552.2
50°	251.9	265.3	277.0	289.1	304.5	323.9	343.3	372.4	410.8	459.0	514.0
52.5°	232.8	244.5	256.0	268.1	283.1	301.0	319.4	344.9	377.9	422.1	475.5
55°	206.6	213.9	225.6	237.7	251.1	268.1	285.9	307.3	335.6	372.8	416.1
57.5°	179.7	188.2	197.5	209.7	223.2	236.2	252.2	271.6	294.0	327.6	364.6
60°	164.6	171.0	178.7	191.2	203.8	215.6	230.9	247.1	268.1	297.2	328.8
62.5°	147.7	153.9	161.0	171.8	184.1	194.8	208.3	225.4	243.2	269.7	297.4
65°	119.7	128.6	135.5	145.2	155.3	166.6	177.1	190.8	206.6	227.7	252.3
67.5°	99.3	103.8	110.1	119.0	129.3	139.0	149.0	159.7	173.4	189.6	209.2
70°	90.2	91.8	93.0	101.5	111.2	120.9	130.2	140.3	152.0	165.4	182.4
72.5°	79.5	81.1	82.6	86.3	94.0	103.8	113.4	120.9	132.0	143.1	156.9
75°	63.1	65.5	66.7	68.8	71.6	78.0	86.9	94.2	100.7	109.2	120.1
77.5°	48.0	49.4	50.7	52.8	54.6	57.6	62.6	69.2	75.2	80.2	87.7
80°	38.0	38.4	40.0	40.9	43.3	45.3	47.7	53.0	59.0	61.1	66.3
82.5°	28.6	29.1	30.3	31.1	32.2	34.0	37.1	38.4	43.2	45.9	49.2
85°	15.8	15.4	16.6	16.6	17.3	18.2	19.0	21.0	22.3	25.5	26.3
87.5°	10.4	10.5	10.0	9.2	8.5	8.3	8.0	7.9	8.2	8.7	9.5
90°	27.7	28.0	24.2	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8
92.5°	25.6	25.5	24.6	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3
95°	51.3	51.3	51.0	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7
97.5°	86.3	86.3	85.6	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2
100°	110.7	110.7	110.2	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9
102.5°	137.2	137.0	136.3	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9
105°	176.9	176.5	176.2	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5
107.5°	220.1	220.0	220.0	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5
110°	249.5	249.5	249.5	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	279.2	279.7	279.9	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5
115°	324.0	324.2	324.5	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9
117.5°	367.7	368.1	369.2	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2
120°	396.4	396.4	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4
122.5°	426.7	427.1	428.2	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0
125°	471.3	471.8	472.3	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0
127.5°	514.4	515.2	515.8	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9
130°	543.7	544.0	544.4	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2
132.5°	572.7	573.5	573.5	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7
135°	614.4	614.6	614.3	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2
137.5°	654.9	655.1	654.6	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7
140°	682.0	682.0	681.1	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7
142.5°	706.5	706.4	705.8	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5
145°	743.9	743.8	742.8	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3
147.5°	776.6	776.2	775.5	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3
150°	797.3	796.8	796.1	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7
152.5°	817.9	817.3	816.4	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7
155°	844.1	843.3	842.7	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4
157.5°	868.2	867.0	866.7	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0
160°	882.9	881.8	881.6	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4
162.5°	895.9	894.6	894.5	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5
165°	912.8	911.5	911.5	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3
167.5°	926.7	925.4	925.5	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0
170°	934.4	933.2	933.3	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4
172.5°	940.2	938.9	939.1	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1
175°	946.4	945.2	945.5	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2
177.5°	949.7	948.9	949.2	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331814-927

CATALOG NUMBER: S122RDIW-S675D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1170.6	1171.6	1178.1	1180.9	1186.8	1189.0	1191.6	1191.0	1191.0	1192.2	1201.3
5°	1173.1	1181.1	1193.3	1205.0	1216.3	1226.1	1232.6	1239.0	1241.4	1253.2	1263.7
7.5°	1168.9	1183.8	1203.8	1221.7	1243.1	1259.9	1273.7	1286.3	1294.9	1311.9	1329.4
10°	1163.4	1184.4	1207.0	1230.1	1259.6	1281.8	1304.5	1321.9	1327.5	1353.0	1367.6
12.5°	1152.4	1180.5	1209.3	1239.1	1268.0	1298.7	1323.6	1341.0	1360.9	1383.8	1410.6
15°	1135.9	1168.2	1205.9	1244.3	1285.5	1322.7	1349.4	1379.7	1401.5	1426.6	1450.1
17.5°	1112.1	1153.8	1201.7	1246.1	1293.8	1333.8	1370.5	1399.6	1415.0	1429.3	1432.7
20°	1093.4	1138.3	1194.5	1247.1	1294.8	1340.9	1377.3	1401.5	1405.6	1406.0	1384.6
22.5°	1073.0	1123.7	1182.6	1236.4	1293.5	1344.8	1373.1	1383.5	1367.4	1340.0	1298.5
25°	1035.6	1094.2	1162.6	1224.0	1286.3	1334.8	1344.6	1326.4	1270.1	1211.1	1136.3
27.5°	995.0	1060.9	1134.2	1202.5	1268.8	1298.9	1277.9	1212.4	1111.1	1023.1	916.5
30°	965.3	1039.3	1111.2	1187.6	1249.1	1262.0	1213.9	1117.3	999.2	866.6	760.3
32.5°	931.3	1008.8	1087.9	1167.0	1218.4	1205.8	1126.2	1007.3	868.9	738.5	637.9
35°	882.7	962.8	1048.1	1127.4	1160.2	1105.6	986.7	831.8	690.2	568.5	499.4
37.5°	826.7	913.9	1002.6	1075.4	1073.0	982.1	820.1	660.3	541.3	469.3	420.1
40°	786.9	875.0	970.9	1032.4	1006.1	887.6	712.1	561.3	474.4	416.9	380.9
42.5°	748.8	837.2	932.4	981.3	935.6	789.9	615.1	496.9	425.2	380.3	351.2
45°	683.8	777.2	865.4	892.5	810.8	650.2	497.4	411.6	363.9	330.8	310.5
47.5°	620.3	712.2	792.7	793.1	682.6	527.3	419.5	356.2	315.5	289.9	275.1
50°	581.5	668.8	736.3	725.9	600.5	469.1	375.3	320.7	286.7	266.9	251.5
52.5°	537.8	622.6	681.0	651.1	530.9	412.8	335.5	289.6	261.5	244.2	230.5
55°	474.4	549.5	590.8	545.5	433.1	343.3	283.4	247.5	226.5	211.9	200.2
57.5°	411.9	474.0	499.9	447.3	356.7	284.7	239.8	212.8	191.9	181.5	175.4
60°	372.8	425.8	444.0	385.8	310.1	249.1	212.3	187.2	171.8	165.0	158.9
62.5°	334.3	377.6	385.2	331.8	270.4	218.0	186.4	165.2	155.0	148.5	142.8
65°	277.4	308.6	304.9	262.1	213.9	173.1	150.0	137.0	129.4	120.1	110.0
67.5°	228.4	247.4	235.9	203.8	163.3	134.5	119.5	109.6	100.1	91.3	89.0
70°	197.3	208.3	196.1	166.6	133.9	112.8	100.7	89.0	83.3	81.3	77.6
72.5°	167.5	171.3	158.3	132.9	108.9	93.4	81.6	75.0	72.0	70.3	68.0
75°	125.8	122.9	111.6	91.8	75.7	65.1	61.5	59.0	57.0	55.4	54.2
77.5°	88.3	84.2	74.1	61.2	52.7	47.6	45.5	44.1	43.2	42.4	41.2
80°	66.3	63.5	53.4	43.6	40.0	37.6	36.4	34.8	34.8	34.0	32.7
82.5°	48.6	45.4	36.5	32.0	30.0	28.5	27.6	26.7	26.4	26.5	25.7
85°	25.5	20.6	18.2	17.3	16.2	15.4	15.8	15.0	15.0	15.0	14.6
87.5°	8.3	7.1	7.3	7.4	8.3	9.1	9.6	10.3	11.4	11.0	11.3
90°	2.9	5.1	7.2	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3
92.5°	15.8	17.4	19.0	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7
95°	43.5	45.3	47.1	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3
97.5°	77.8	79.4	81.0	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3
100°	103.3	104.7	106.2	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7
102.5°	130.0	131.1	132.3	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4
105°	173.0	173.6	174.1	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2
107.5°	217.3	218.0	218.8	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3
110°	245.8	246.8	248.0	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.6	277.7	278.8	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8
115°	322.0	323.1	324.2	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8
117.5°	367.7	369.1	370.5	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3
120°	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4
122.5°	425.7	427.4	429.1	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4
125°	468.6	470.2	471.8	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7
127.5°	510.9	512.9	515.0	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8
130°	537.5	539.8	542.2	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3
132.5°	566.6	568.5	570.4	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0
135°	606.2	608.1	610.1	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3
137.5°	647.4	649.0	650.5	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7
140°	672.4	674.0	675.6	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0
142.5°	698.1	699.7	701.2	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7
145°	734.6	735.9	737.1	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2
147.5°	767.8	769.3	770.7	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0
150°	789.8	790.8	791.9	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8
152.5°	809.7	810.8	811.8	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6
155°	839.0	839.6	840.1	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1
157.5°	864.4	864.7	865.1	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5
160°	879.7	880.1	880.4	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9
162.5°	893.6	893.7	893.7	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1
165°	912.1	912.0	911.7	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0
167.5°	927.5	926.9	926.4	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0
170°	935.8	935.3	934.8	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6
172.5°	941.6	941.0	940.6	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4
175°	948.6	948.2	947.6	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7
177.5°	951.6	951.3	950.8	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1204.5	1208.7	1210.7	1210.7	1213.0	1212.0	1211.0
5°	1273.7	1281.4	1283.1	1290.4	1295.6	1294.0	1294.8
7.5°	1342.6	1354.9	1367.1	1372.8	1373.6	1376.9	1378.1
10°	1385.0	1395.1	1414.1	1411.3	1425.4	1433.5	1420.1
12.5°	1425.8	1439.4	1452.5	1456.2	1464.3	1466.8	1461.6
15°	1462.6	1469.9	1470.7	1468.7	1471.1	1469.1	1461.4
17.5°	1428.1	1416.3	1392.4	1381.1	1372.1	1358.8	1353.5
20°	1371.2	1336.4	1296.0	1279.8	1260.8	1223.6	1232.6
22.5°	1248.3	1208.6	1168.2	1121.0	1098.4	1063.2	1061.0
25°	1057.0	988.7	913.5	860.9	830.2	795.0	779.7
27.5°	821.8	735.8	674.1	642.9	614.6	586.7	585.5
30°	667.2	602.5	554.8	528.1	510.7	499.0	501.5
32.5°	562.4	518.1	485.9	463.7	450.9	442.0	441.9
35°	459.8	429.4	408.8	399.5	390.2	383.7	384.1
37.5°	393.5	375.3	363.8	353.5	347.7	344.5	342.8
40°	359.5	344.5	335.6	329.5	324.7	320.3	319.5
42.5°	332.6	320.3	311.3	306.6	302.1	298.9	298.1
45°	295.2	285.1	277.0	271.7	269.7	266.9	266.9
47.5°	262.6	252.6	246.4	243.0	239.6	237.7	237.6
50°	240.6	232.9	227.3	225.2	222.4	221.2	220.8
52.5°	220.9	215.2	211.1	209.7	208.5	206.9	207.2
55°	194.1	190.8	189.3	188.1	186.0	183.5	185.2
57.5°	171.5	168.8	164.5	160.7	158.8	157.1	157.7
60°	155.7	150.0	144.3	139.9	138.7	135.1	135.1
62.5°	135.6	127.7	120.7	118.3	117.0	115.3	115.0
65°	104.3	101.1	99.5	97.8	97.0	97.0	96.3
67.5°	86.4	85.2	83.4	82.9	82.1	81.9	81.7
70°	76.4	74.8	74.0	73.6	72.8	73.2	72.0
72.5°	66.7	65.4	65.3	64.2	63.7	63.8	62.9
75°	52.6	52.6	52.1	51.7	50.9	50.5	50.9
77.5°	40.4	40.5	39.8	39.7	39.6	39.7	39.3
80°	32.3	32.7	32.3	31.9	31.5	31.9	31.5
82.5°	25.6	25.0	24.9	24.8	24.7	24.5	24.4
85°	14.6	15.0	14.6	14.2	14.2	14.2	14.6
87.5°	10.9	10.9	10.8	10.9	10.9	10.9	10.6
90°	27.0	26.6	26.5	26.8	26.9	27.1	27.3
92.5°	25.7	25.8	25.8	25.9	25.9	26.0	26.0
95°	51.3	51.3	51.2	50.8	50.5	50.1	49.7
97.5°	86.3	86.3	86.3	86.3	86.3	86.2	86.2
100°	110.7	110.7	110.7	110.4	110.3	110.1	110.0
102.5°	137.4	137.6	137.6	137.4	137.2	137.0	136.9
105°	177.6	177.9	178.2	178.2	178.2	178.2	178.2
107.5°	220.5	220.5	220.2	219.4	218.6	217.8	217.0
110°	249.5	249.5	249.3	248.7	248.2	247.6	247.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	278.5	278.0	277.6	277.2	276.8	276.4	276.0
115°	323.6	323.4	323.1	322.6	322.0	321.5	320.9
117.5°	366.9	366.4	365.9	365.4	364.9	364.3	363.8
120°	396.4	396.4	396.1	395.5	395.1	394.5	394.0
122.5°	425.9	425.5	425.1	424.7	424.3	423.9	423.5
125°	470.2	469.7	469.3	469.1	469.0	468.7	468.6
127.5°	513.2	512.5	511.9	511.4	510.8	510.2	509.7
130°	543.0	542.6	542.0	541.3	540.6	539.9	539.2
132.5°	571.2	570.4	569.7	569.2	568.5	568.0	567.4
135°	614.1	613.9	613.5	613.0	612.4	612.0	611.4
137.5°	654.7	654.5	654.0	653.3	652.6	651.9	651.2
140°	682.0	682.0	681.7	681.0	680.2	679.5	678.8
142.5°	706.9	706.9	706.7	706.0	705.3	704.6	703.9
145°	744.3	744.5	744.3	743.5	742.8	742.1	741.4
147.5°	777.4	777.8	777.6	777.0	776.3	775.6	774.9
150°	798.4	798.9	798.9	798.4	797.8	797.3	796.8
152.5°	819.4	820.0	820.0	819.4	818.6	817.9	817.3
155°	846.0	846.8	847.0	846.5	846.0	845.4	844.9
157.5°	870.7	871.9	872.0	871.2	870.4	869.5	868.6
160°	885.0	886.1	886.3	885.6	884.9	884.2	883.4
162.5°	898.3	899.5	899.7	898.8	897.9	897.1	896.3
165°	915.2	916.5	916.6	915.8	914.9	914.0	913.1
167.5°	929.2	930.4	930.6	929.7	928.8	927.8	926.9
170°	936.9	938.2	938.3	937.2	936.1	935.0	934.0
172.5°	942.7	943.9	944.0	942.9	941.9	940.8	939.8
175°	949.0	950.1	950.3	949.2	948.2	947.1	946.0
177.5°	951.4	952.3	952.3	951.4	950.6	949.7	948.9
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8

(END OF REPORT)