

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: P331814-930

Luminaire Tested: **S122RDIW-S675D970U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331814-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S675D970U930-4F0-1E-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: 4810.1 lumens
Efficiency: N/A
Efficacy: 91.4 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

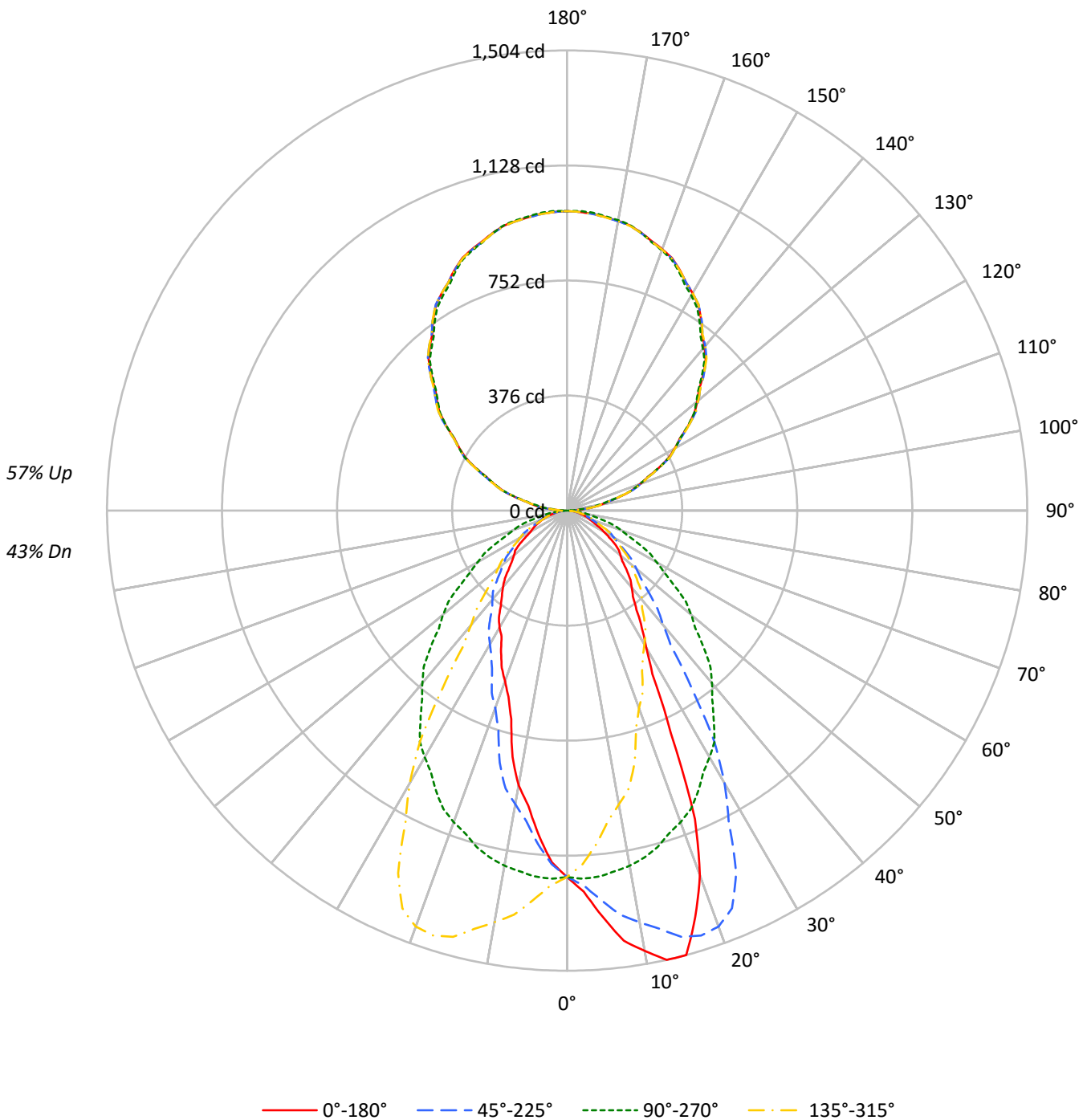
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	19339	19339	19339	19339
5°	21598	19460	17253	19460
10°	23963	19323	14955	19323
15°	25142	19041	11784	19041
20°	21795	18620	10198	18620
25°	14295	18045	9103	18045
30°	9622	17350	8240	17350
35°	7792	16472	7433	16472
40°	6930	15517	6877	15517
45°	6272	14397	6140	14397
50°	5707	13288	5687	13288
55°	5365	12056	5295	12056
60°	4489	10924	4434	10924
65°	3786	9922	4290	9922
70°	3498	8861	4050	8861
75°	3269	7711	3737	7711
80°	3013	6341	3329	6341
85°	2779	5020	2927	5020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	2.4
10°-20°	316.4	6.6
20°-30°	407.7	8.5
30°-40°	387.4	8.1
40°-50°	331.9	6.9
50°-60°	252.7	5.3
60°-70°	159.8	3.3
70°-80°	79.8	1.7
80°-90°	24.7	0.5
90°-100°	62.0	1.3
100°-110°	192.6	4.0
110°-120°	329.2	6.8
120°-130°	432.9	9.0
130°-140°	485.9	10.1
140°-150°	476.4	9.9
150°-160°	399.6	8.3
160°-170°	265.0	5.5
170°-180°	92.6	1.9
0°-30°	837.6	17.4
0°-40°	1225.0	25.5
0°-60°	1809.6	37.6
0°-90°	2073.9	43.1
90°-120°	583.8	12.1
90°-150°	1979.0	41.1
90°-180°	2736.0	56.9
0°-180°	4810.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1198	1198	1198	1198	1198	
5°	1333	1201	1064	1201	1333	132
15°	1504	1139	705	1139	1504	406
25°	802	1013	511	1013	802	381
35°	395	836	377	836	395	253
45°	275	630	269	630	275	213
55°	191	428	188	428	191	167
65°	99	260	112	260	99	101
75°	52	124	60	124	52	56
85°	15	27	16	27	15	17
90°	28	1	28	1	28	13
95°	51	43	51	43	51	57
105°	183	178	183	178	183	193
115°	330	330	330	330	330	326
125°	482	481	482	481	482	430
135°	629	622	629	622	629	484
145°	763	755	763	755	763	476
155°	870	863	870	863	870	400
165°	940	939	940	939	940	265
175°	974	977	974	977	974	92
180°	978	978	978	978	978	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1246.3	1247.3	1248.4	1246.0	1246.0	1244.0	1239.7	1236.4	1227.0	1225.7	1225.7
5°	1332.6	1331.7	1333.4	1328.0	1320.5	1318.8	1310.9	1300.6	1289.7	1277.7	1275.1
7.5°	1418.3	1417.1	1413.7	1412.8	1407.0	1394.5	1381.8	1368.2	1350.2	1332.7	1323.9
10°	1461.6	1475.4	1467.0	1452.5	1455.4	1435.8	1425.4	1407.5	1392.5	1366.3	1360.5
12.5°	1504.2	1509.6	1507.0	1498.7	1494.9	1481.4	1467.4	1451.8	1424.2	1400.6	1380.1
15°	1504.1	1512.0	1514.0	1511.6	1513.6	1512.8	1505.3	1492.4	1468.3	1442.4	1420.0
17.5°	1393.0	1398.5	1412.2	1421.4	1433.1	1457.7	1469.8	1474.6	1471.0	1456.3	1440.5
20°	1268.5	1259.3	1297.6	1317.2	1333.8	1375.4	1411.2	1425.0	1447.0	1446.6	1442.4
22.5°	1092.0	1094.2	1130.5	1153.7	1202.3	1243.9	1284.7	1336.4	1379.1	1407.3	1423.8
25°	802.4	818.2	854.4	886.1	940.1	1017.6	1087.9	1169.5	1246.4	1307.2	1365.1
27.5°	602.6	603.8	632.5	661.7	693.8	757.2	845.8	943.2	1053.0	1143.5	1247.7
30°	516.1	513.6	525.6	543.6	571.0	620.1	686.6	782.4	891.9	1028.3	1149.9
32.5°	454.8	454.9	464.1	477.3	500.1	533.2	578.8	656.6	760.0	894.2	1036.7
35°	395.3	394.9	401.6	411.2	420.8	442.0	473.2	514.0	585.1	710.4	856.1
37.5°	352.8	354.6	357.8	363.8	374.4	386.2	405.0	432.4	483.0	557.1	679.6
40°	328.8	329.6	334.2	339.2	345.4	354.6	370.0	392.0	429.1	488.2	577.6
42.5°	306.8	307.6	310.9	315.5	320.4	329.6	342.3	361.4	391.4	437.6	511.4
45°	274.7	274.7	277.6	279.6	285.1	293.4	303.8	319.6	340.5	374.5	423.6
47.5°	244.5	244.6	246.5	250.1	253.6	260.0	270.3	283.2	298.3	324.7	366.6
50°	227.2	227.6	228.9	231.8	233.9	239.7	247.6	258.9	274.7	295.1	330.0
52.5°	213.3	213.0	214.6	215.8	217.3	221.4	227.3	237.3	251.4	269.1	298.1
55°	190.6	188.9	191.4	193.6	194.8	196.4	199.7	206.0	218.1	233.1	254.7
57.5°	162.3	161.7	163.4	165.3	169.3	173.7	176.5	180.5	186.8	197.5	219.0
60°	139.0	139.0	142.8	144.0	148.5	154.4	160.2	163.5	169.8	176.8	192.7
62.5°	118.4	118.7	120.4	121.7	124.3	131.4	139.6	146.9	152.8	159.6	170.1
65°	99.1	99.9	99.9	100.7	102.4	104.0	107.4	113.2	123.6	133.1	141.0
67.5°	84.1	84.3	84.5	85.4	85.9	87.6	88.9	91.6	94.0	103.1	112.8
70°	74.1	75.3	74.9	75.7	76.1	77.0	78.7	79.9	83.6	85.8	91.6
72.5°	64.7	65.6	65.6	66.1	67.2	67.3	68.6	70.0	72.3	74.1	77.2
75°	52.4	52.0	52.4	53.2	53.6	54.1	54.1	55.8	57.0	58.7	60.7
77.5°	40.4	40.8	40.8	40.8	40.9	41.7	41.6	42.4	43.6	44.4	45.4
80°	32.4	32.9	32.4	32.9	33.3	33.7	33.3	33.7	35.0	35.8	35.8
82.5°	25.1	25.2	25.4	25.5	25.6	25.7	26.3	26.4	27.3	27.1	27.5
85°	15.0	14.6	14.6	14.6	15.0	15.4	15.0	15.0	15.4	15.4	15.4
87.5°	10.9	11.3	11.2	11.2	11.1	11.2	11.3	11.7	11.3	11.7	10.6
90°	28.0	27.9	27.7	27.6	27.3	27.4	27.8	28.1	28.5	28.9	24.9
92.5°	26.7	26.7	26.7	26.7	26.6	26.6	26.5	26.4	26.3	26.3	25.3
95°	51.2	51.5	51.9	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.5
97.5°	88.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.1
100°	113.2	113.3	113.5	113.7	113.9	114.0	114.0	114.0	114.0	114.0	113.4
102.5°	140.9	141.0	141.2	141.5	141.6	141.6	141.5	141.4	141.2	141.0	140.3
105°	183.4	183.4	183.4	183.4	183.4	183.1	182.8	182.4	182.1	181.6	181.3
107.5°	223.3	224.1	224.9	225.8	226.7	227.0	226.9	226.7	226.6	226.4	226.4
110°	254.4	254.9	255.4	256.0	256.6	256.8	256.8	256.8	256.8	256.8	256.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	284.1	284.5	284.9	285.3	285.7	286.1	286.6	287.0	287.4	287.9	288.0
115°	330.3	330.8	331.4	332.0	332.5	332.9	333.0	333.2	333.5	333.6	333.9
117.5°	374.4	375.0	375.5	376.1	376.6	377.1	377.6	378.0	378.5	378.9	379.9
120°	405.4	406.0	406.6	407.1	407.6	408.0	408.0	408.0	408.0	408.0	409.4
122.5°	435.9	436.3	436.7	437.1	437.5	437.9	438.3	438.8	439.2	439.6	440.7
125°	482.2	482.4	482.7	482.8	483.0	483.4	483.9	484.5	485.0	485.6	486.1
127.5°	524.6	525.1	525.7	526.3	526.8	527.5	528.2	528.8	529.5	530.2	530.8
130°	554.9	555.6	556.4	557.1	557.8	558.4	558.8	559.1	559.5	559.9	560.3
132.5°	584.0	584.6	585.1	585.8	586.4	587.0	587.8	588.6	589.5	590.3	590.2
135°	629.2	629.8	630.3	630.9	631.4	631.8	632.0	632.2	632.3	632.5	632.2
137.5°	670.2	670.9	671.6	672.4	673.1	673.6	673.8	673.8	674.0	674.2	673.7
140°	698.6	699.4	700.1	700.8	701.6	701.9	701.9	701.9	701.9	701.9	701.0
142.5°	724.4	725.1	725.9	726.6	727.3	727.6	727.5	727.3	727.2	727.0	726.4
145°	763.0	763.8	764.5	765.2	766.0	766.2	766.1	765.9	765.6	765.5	764.4
147.5°	797.5	798.3	798.9	799.6	800.3	800.5	800.1	799.6	799.2	798.8	798.1
150°	820.0	820.5	821.1	821.7	822.2	822.2	821.7	821.1	820.5	820.0	819.3
152.5°	841.1	841.8	842.5	843.3	843.9	843.9	843.3	842.5	841.8	841.1	840.2
155°	869.5	870.1	870.7	871.2	871.7	871.6	870.7	869.8	868.8	867.9	867.3
157.5°	894.0	894.9	895.8	896.7	897.5	897.3	896.1	894.9	893.6	892.3	892.0
160°	909.2	910.0	910.7	911.4	912.2	911.9	910.9	909.7	908.7	907.5	907.3
162.5°	922.4	923.2	924.1	925.0	925.9	925.8	924.5	923.2	922.0	920.7	920.6
165°	939.7	940.7	941.6	942.5	943.4	943.2	941.9	940.7	939.4	938.1	938.1
167.5°	954.0	954.9	955.9	956.8	957.7	957.6	956.3	955.0	953.7	952.4	952.5
170°	961.2	962.3	963.4	964.5	965.6	965.6	964.3	963.0	961.6	960.4	960.6
172.5°	967.2	968.2	969.4	970.5	971.6	971.4	970.2	968.9	967.6	966.3	966.5
175°	973.6	974.7	975.8	976.9	978.0	977.9	976.6	975.3	974.0	972.7	973.1
177.5°	976.6	977.5	978.4	979.2	980.1	980.1	979.2	978.4	977.5	976.6	976.9
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1226.4	1223.7	1221.4	1215.4	1212.4	1205.7	1204.8	1204.4	1195.7	1187.4	1185.1
5°	1268.5	1261.8	1251.8	1240.2	1228.1	1215.6	1207.3	1200.7	1184.0	1168.2	1159.0
7.5°	1310.9	1296.7	1279.4	1257.4	1238.9	1218.3	1203.0	1189.3	1165.6	1143.0	1127.7
10°	1342.6	1319.2	1296.4	1266.0	1242.3	1219.0	1197.3	1178.6	1151.9	1122.0	1100.7
12.5°	1362.2	1336.6	1305.0	1275.3	1244.6	1215.0	1186.0	1162.0	1130.7	1099.7	1074.5
15°	1388.8	1361.3	1323.0	1280.6	1241.0	1202.3	1169.1	1139.1	1098.3	1061.3	1030.5
17.5°	1410.5	1372.7	1331.5	1282.5	1236.7	1187.5	1144.6	1106.4	1060.9	1016.3	980.0
20°	1417.5	1380.1	1332.6	1283.4	1229.4	1171.5	1125.4	1083.7	1035.0	986.3	944.7
22.5°	1413.2	1384.1	1331.2	1272.5	1217.1	1156.5	1104.3	1056.1	1002.1	952.4	904.1
25°	1383.8	1373.8	1323.9	1259.7	1196.5	1126.2	1065.8	1012.9	951.4	898.1	845.6
27.5°	1315.2	1336.8	1305.9	1237.6	1167.3	1091.8	1024.0	963.8	899.9	840.0	787.7
30°	1249.4	1298.9	1285.6	1222.3	1143.6	1069.6	993.4	930.6	862.3	800.7	749.1
32.5°	1159.1	1241.0	1253.9	1201.0	1119.7	1038.3	958.5	895.9	824.7	759.8	709.5
35°	1015.5	1137.8	1194.0	1160.3	1078.7	990.9	908.5	835.7	764.1	700.0	650.0
37.5°	844.1	1010.7	1104.3	1106.8	1031.8	940.5	850.8	778.5	705.2	642.3	588.3
40°	732.9	913.5	1035.4	1062.5	999.2	900.6	809.8	736.2	664.6	603.0	541.0
42.5°	633.0	812.9	962.9	1009.9	959.6	861.6	770.6	693.6	624.0	565.7	502.4
45°	511.9	669.2	834.5	918.5	890.6	799.9	703.8	630.5	565.2	514.8	454.0
47.5°	431.8	542.7	702.5	816.3	815.8	733.0	638.4	568.3	507.7	460.5	411.2
50°	386.2	482.7	618.0	747.1	757.8	688.4	598.4	529.0	472.4	422.8	383.3
52.5°	345.3	424.9	546.4	670.1	700.9	640.7	553.5	489.3	434.4	388.9	355.0
55°	291.7	353.4	445.7	561.4	608.1	565.6	488.2	428.3	383.7	345.4	316.3
57.5°	246.8	293.0	367.1	460.3	514.5	487.9	424.0	375.3	337.2	302.6	279.6
60°	218.5	256.3	319.2	397.1	457.0	438.2	383.7	338.3	305.9	275.9	254.3
62.5°	191.8	224.4	278.3	341.4	396.4	388.7	344.1	306.1	277.6	250.3	232.0
65°	154.4	178.1	220.1	269.7	313.8	317.6	285.5	259.7	234.3	212.6	196.4
67.5°	122.9	138.4	168.0	209.8	242.8	254.6	235.1	215.3	195.2	178.5	164.4
70°	103.6	116.1	137.8	171.5	201.9	214.3	203.1	187.7	170.2	156.5	144.4
72.5°	84.0	96.1	112.1	136.8	162.9	176.3	172.4	161.4	147.2	135.8	124.4
75°	63.3	67.0	77.9	94.5	114.9	126.5	129.5	123.6	112.3	103.6	96.9
77.5°	46.8	49.0	54.2	62.9	76.2	86.7	90.9	90.3	82.5	77.4	71.2
80°	37.4	38.7	41.2	44.9	55.0	65.3	68.2	68.2	62.9	60.7	54.5
82.5°	28.5	29.4	30.9	32.9	37.6	46.7	50.0	50.6	47.2	44.4	39.5
85°	16.2	15.8	16.6	17.9	18.8	21.2	26.3	27.1	26.3	22.9	21.6
87.5°	9.9	9.4	8.6	7.6	7.5	7.3	8.6	9.8	9.0	8.4	8.2
90°	20.8	16.8	12.7	9.6	7.4	5.2	3.0	0.8	3.0	5.2	7.4
92.5°	24.4	23.4	22.4	21.2	19.6	17.9	16.3	14.7	16.3	17.9	19.6
95°	52.1	51.8	51.4	50.3	48.4	46.6	44.8	43.0	44.8	46.6	48.4
97.5°	87.5	86.7	86.1	84.9	83.3	81.7	80.1	78.4	80.1	81.7	83.3
100°	112.8	112.3	111.8	110.7	109.3	107.8	106.3	104.8	106.3	107.8	109.3
102.5°	139.7	138.9	138.3	137.3	136.2	134.9	133.8	132.6	133.8	134.9	136.2
105°	180.9	180.6	180.2	179.8	179.2	178.6	178.1	177.6	178.1	178.6	179.2
107.5°	226.4	226.4	226.4	226.0	225.2	224.4	223.6	222.8	223.6	224.4	225.2
110°	256.8	256.8	256.8	256.2	255.2	254.0	253.0	251.8	253.0	254.0	255.2



TEST NUMBER: P331814-930

CATALOG NUMBER: S122RDIW-S675D970U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	288.1	288.3	288.5	288.0	286.9	285.8	284.7	283.6	284.7	285.8	286.9
115°	334.4	334.7	335.1	334.7	333.6	332.5	331.4	330.3	331.4	332.5	333.6
117.5°	380.9	382.0	382.9	382.8	381.3	379.8	378.4	376.9	378.4	379.8	381.3
120°	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0	409.4	410.9	412.4
122.5°	441.7	442.7	443.8	443.4	441.6	439.9	438.1	436.3	438.1	439.9	441.6
125°	486.7	487.2	487.8	487.2	485.6	483.9	482.2	480.6	482.2	483.9	485.6
127.5°	531.5	532.1	532.8	532.1	530.0	527.9	525.8	523.7	525.8	527.9	530.0
130°	560.6	561.0	561.3	560.4	558.0	555.5	553.2	550.8	553.2	555.5	558.0
132.5°	590.1	590.0	590.0	589.0	587.0	585.1	583.1	581.1	583.1	585.1	587.0
135°	631.8	631.4	631.0	629.9	627.9	625.8	623.9	621.8	623.9	625.8	627.9
137.5°	673.2	672.7	672.3	671.2	669.5	667.9	666.3	664.6	666.3	667.9	669.5
140°	700.1	699.2	698.2	696.9	695.3	693.7	692.0	690.3	692.0	693.7	695.3
142.5°	725.8	725.1	724.6	723.4	721.7	720.1	718.4	716.8	718.4	720.1	721.7
145°	763.3	762.2	761.1	759.9	758.6	757.3	756.0	754.7	756.0	757.3	758.6
147.5°	797.4	796.6	795.9	794.8	793.2	791.7	790.2	788.6	790.2	791.7	793.2
150°	818.6	817.8	817.1	816.1	815.1	813.9	812.9	811.7	812.9	813.9	815.1
152.5°	839.4	838.5	837.6	836.7	835.5	834.5	833.3	832.3	833.3	834.5	835.5
155°	866.8	866.3	865.7	865.1	864.6	864.1	863.5	862.9	863.5	864.1	864.6
157.5°	891.7	891.4	891.0	890.6	890.3	889.9	889.6	889.2	889.6	889.9	890.3
160°	907.2	907.0	906.8	906.5	906.1	905.8	905.4	905.1	905.4	905.8	906.1
162.5°	920.4	920.2	920.0	919.9	919.8	919.7	919.7	919.6	919.7	919.7	919.8
165°	938.1	938.1	938.1	938.2	938.3	938.6	938.7	938.9	938.7	938.6	938.3
167.5°	952.5	952.6	952.6	952.9	953.4	954.0	954.6	955.1	954.6	954.0	953.4
170°	960.7	960.9	961.2	961.5	962.1	962.6	963.1	963.7	963.1	962.6	962.1
172.5°	966.7	966.9	967.0	967.4	968.0	968.5	969.1	969.6	969.1	968.5	968.0
175°	973.5	973.9	974.2	974.7	975.3	975.8	976.3	976.9	976.3	975.8	975.3
177.5°	977.1	977.5	977.7	978.1	978.5	979.0	979.4	979.9	979.4	979.0	978.5
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331814-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1180.8	1178.4	1174.1	1167.4	1163.4	1156.4	1151.8	1154.5	1155.1	1154.5	1153.8
5°	1149.1	1140.3	1128.2	1116.6	1105.8	1094.1	1087.4	1084.5	1078.7	1075.4	1073.7
7.5°	1110.7	1095.6	1078.6	1058.3	1041.0	1023.0	1013.7	1009.1	997.2	990.8	985.0
10°	1082.1	1058.3	1041.3	1014.6	998.4	974.7	958.5	958.9	942.6	933.4	926.8
12.5°	1050.4	1024.3	996.0	972.0	949.4	930.4	910.9	902.9	885.7	876.9	858.9
15°	998.0	967.6	937.7	905.1	882.3	852.7	824.4	789.9	762.0	737.8	731.2
17.5°	940.7	903.1	873.0	834.9	795.7	746.0	713.2	693.2	676.4	663.7	654.1
20°	901.4	863.2	831.1	773.6	720.8	687.1	663.0	647.6	630.1	616.4	608.9
22.5°	860.1	820.2	776.5	712.4	671.2	644.2	622.6	605.0	593.1	582.4	575.6
25°	801.5	757.8	685.8	641.7	608.5	580.2	565.2	554.3	541.8	527.3	520.7
27.5°	739.6	670.1	618.4	585.6	553.8	535.4	522.0	505.8	494.6	488.1	481.2
30°	693.3	623.9	583.5	547.7	525.2	504.8	489.0	479.9	469.0	457.8	453.2
32.5°	641.7	586.2	547.6	517.7	494.9	477.5	465.0	450.2	442.4	435.5	425.9
35°	577.6	535.7	500.3	476.1	454.4	440.3	425.7	417.0	402.8	397.1	393.3
37.5°	523.3	486.9	460.6	435.0	417.9	402.3	393.4	379.4	373.3	365.3	357.3
40°	492.8	457.0	431.5	410.7	391.6	379.9	368.8	357.5	348.3	344.6	335.0
42.5°	461.5	432.4	406.9	384.1	371.3	359.0	344.8	336.6	327.0	321.0	315.0
45°	418.2	392.5	370.8	352.0	337.9	325.1	315.8	302.1	296.8	284.6	279.6
47.5°	380.3	356.3	335.7	317.9	304.0	295.6	282.3	271.5	262.9	255.4	249.1
50°	353.4	333.4	313.4	297.6	285.1	273.0	259.3	253.9	240.5	236.8	233.1
52.5°	328.7	309.7	291.4	275.9	263.4	251.7	239.6	232.5	223.6	219.8	217.1
55°	294.2	275.9	258.4	244.7	232.2	220.1	212.6	203.9	199.7	196.8	193.6
57.5°	259.6	243.1	229.8	215.8	203.3	193.7	185.0	179.8	175.5	171.6	167.6
60°	237.7	221.8	209.8	196.8	183.9	176.0	169.4	163.1	158.2	152.3	150.7
62.5°	214.3	200.5	189.5	176.8	165.7	158.4	152.1	146.2	140.1	131.7	129.3
65°	182.3	171.5	159.8	149.4	139.4	132.3	123.2	116.5	114.1	113.2	112.8
67.5°	153.4	143.1	133.1	122.5	113.3	106.8	102.2	101.1	99.4	98.9	97.8
70°	134.0	124.4	114.5	104.4	95.7	94.5	92.8	91.2	89.0	88.2	87.4
72.5°	116.7	106.8	96.8	88.8	85.0	83.5	81.9	80.1	78.8	77.9	77.4
75°	89.4	80.3	73.7	70.8	68.6	67.4	64.9	63.7	62.9	61.6	61.1
77.5°	64.4	59.3	56.2	54.4	52.2	50.9	49.4	48.2	47.3	47.0	46.4
80°	49.1	46.6	44.5	42.1	41.2	39.5	39.1	37.9	38.3	37.0	37.0
82.5°	38.2	35.0	33.2	32.0	31.2	29.9	29.4	28.9	28.9	28.0	28.0
85°	19.6	18.8	17.9	17.0	17.0	15.8	16.2	15.8	15.8	15.0	14.6
87.5°	8.2	8.6	8.7	9.5	10.3	10.8	10.7	10.3	10.2	10.1	9.8
90°	9.6	12.7	16.8	20.8	24.9	28.9	28.5	28.1	27.8	27.4	27.3
92.5°	21.2	22.4	23.4	24.4	25.3	26.3	26.3	26.4	26.5	26.6	26.6
95°	50.3	51.4	51.8	52.1	52.5	52.8	52.8	52.8	52.8	52.8	52.7
97.5°	84.9	86.1	86.7	87.5	88.1	88.9	88.9	88.9	88.9	88.9	88.9
100°	110.7	111.8	112.3	112.8	113.4	114.0	114.0	114.0	114.0	114.0	113.9
102.5°	137.3	138.3	138.9	139.7	140.3	141.0	141.2	141.4	141.5	141.6	141.6
105°	179.8	180.2	180.6	180.9	181.3	181.6	182.1	182.4	182.8	183.1	183.4
107.5°	226.0	226.4	226.4	226.4	226.4	226.4	226.6	226.7	226.9	227.0	226.7
110°	256.2	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8



TEST NUMBER: P331814-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	288.0	288.5	288.3	288.1	288.0	287.9	287.4	287.0	286.6	286.1	285.7
115°	334.7	335.1	334.7	334.4	333.9	333.6	333.5	333.2	333.0	332.9	332.5
117.5°	382.8	382.9	382.0	380.9	379.9	378.9	378.5	378.0	377.6	377.1	376.6
120°	413.8	413.8	412.4	410.9	409.4	408.0	408.0	408.0	408.0	408.0	407.6
122.5°	443.4	443.8	442.7	441.7	440.7	439.6	439.2	438.8	438.3	437.9	437.5
125°	487.2	487.8	487.2	486.7	486.1	485.6	485.0	484.5	483.9	483.4	483.0
127.5°	532.1	532.8	532.1	531.5	530.8	530.2	529.5	528.8	528.2	527.5	526.8
130°	560.4	561.3	561.0	560.6	560.3	559.9	559.5	559.1	558.8	558.4	557.8
132.5°	589.0	590.0	590.0	590.1	590.2	590.3	589.5	588.6	587.8	587.0	586.4
135°	629.9	631.0	631.4	631.8	632.2	632.5	632.3	632.2	632.0	631.8	631.4
137.5°	671.2	672.3	672.7	673.2	673.7	674.2	674.0	673.8	673.8	673.6	673.1
140°	696.9	698.2	699.2	700.1	701.0	701.9	701.9	701.9	701.9	701.9	701.6
142.5°	723.4	724.6	725.1	725.8	726.4	727.0	727.2	727.3	727.5	727.6	727.3
145°	759.9	761.1	762.2	763.3	764.4	765.5	765.6	765.9	766.1	766.2	766.0
147.5°	794.8	795.9	796.6	797.4	798.1	798.8	799.2	799.6	800.1	800.5	800.3
150°	816.1	817.1	817.8	818.6	819.3	820.0	820.5	821.1	821.7	822.2	822.2
152.5°	836.7	837.6	838.5	839.4	840.2	841.1	841.8	842.5	843.3	843.9	843.9
155°	865.1	865.7	866.3	866.8	867.3	867.9	868.8	869.8	870.7	871.6	871.7
157.5°	890.6	891.0	891.4	891.7	892.0	892.3	893.6	894.9	896.1	897.3	897.5
160°	906.5	906.8	907.0	907.2	907.3	907.5	908.7	909.7	910.9	911.9	912.2
162.5°	919.9	920.0	920.2	920.4	920.6	920.7	922.0	923.2	924.5	925.8	925.9
165°	938.2	938.1	938.1	938.1	938.1	938.1	939.4	940.7	941.9	943.2	943.4
167.5°	952.9	952.6	952.6	952.5	952.5	952.4	953.7	955.0	956.3	957.6	957.7
170°	961.5	961.2	960.9	960.7	960.6	960.4	961.6	963.0	964.3	965.6	965.6
172.5°	967.4	967.0	966.9	966.7	966.5	966.3	967.6	968.9	970.2	971.4	971.6
175°	974.7	974.2	973.9	973.5	973.1	972.7	974.0	975.3	976.6	977.9	978.0
177.5°	978.1	977.7	977.5	977.1	976.9	976.6	977.5	978.4	979.2	980.1	980.1
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331814-930

CATALOG NUMBER: S122RDIW-S675D970U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1150.1	1150.8	1149.8	1150.5	1149.8	1150.8	1150.1	1153.8	1154.5	1155.1	1154.5
5°	1071.6	1066.7	1065.8	1064.5	1065.8	1066.7	1071.6	1073.7	1075.4	1078.7	1084.5
7.5°	978.0	977.1	975.1	972.2	975.1	977.1	978.0	985.0	990.8	997.2	1009.1
10°	917.6	915.6	915.2	912.2	915.2	915.6	917.6	926.8	933.4	942.6	958.9
12.5°	847.1	833.6	832.3	825.0	832.3	833.6	847.1	858.9	876.9	885.7	902.9
15°	721.2	718.8	710.4	705.0	710.4	718.8	721.2	731.2	737.8	762.0	789.9
17.5°	649.3	641.2	638.5	637.4	638.5	641.2	649.3	654.1	663.7	676.4	693.2
20°	603.0	595.6	594.3	593.5	594.3	595.6	603.0	608.9	616.4	630.1	647.6
22.5°	571.0	563.2	560.0	557.5	560.0	563.2	571.0	575.6	582.4	593.1	605.0
25°	516.5	513.6	511.9	511.0	511.9	513.6	516.5	520.7	527.3	541.8	554.3
27.5°	473.8	467.3	466.1	464.0	466.1	467.3	473.8	481.2	488.1	494.6	505.8
30°	449.5	447.4	444.5	442.0	444.5	447.4	449.5	453.2	457.8	469.0	479.9
32.5°	420.9	419.1	416.5	415.3	416.5	419.1	420.9	425.9	435.5	442.4	450.2
35°	389.1	383.3	380.8	377.1	380.8	383.3	389.1	393.3	397.1	402.8	417.0
37.5°	355.6	352.5	349.0	350.3	349.0	352.5	355.6	357.3	365.3	373.3	379.4
40°	329.6	327.5	326.7	326.3	326.7	327.5	329.6	335.0	344.6	348.3	357.5
42.5°	309.0	303.2	301.1	301.0	301.1	303.2	309.0	315.0	321.0	327.0	336.6
45°	277.6	272.1	268.4	268.9	268.4	272.1	277.6	279.6	284.6	296.8	302.1
47.5°	245.5	245.3	243.0	243.7	243.0	245.3	245.5	249.1	255.4	262.9	271.5
50°	230.2	227.6	226.0	226.4	226.0	227.6	230.2	233.1	236.8	240.5	253.9
52.5°	215.5	213.4	212.0	213.8	212.0	213.4	215.5	217.1	219.8	223.6	232.5
55°	191.4	188.9	188.5	188.1	188.5	188.9	191.4	193.6	196.8	199.7	203.9
57.5°	164.5	162.9	160.4	159.3	160.4	162.9	164.5	167.6	171.6	175.5	179.8
60°	145.2	141.9	137.8	137.3	137.8	141.9	145.2	150.7	152.3	158.2	163.1
62.5°	127.6	126.9	126.1	126.0	126.1	126.9	127.6	129.3	131.7	140.1	146.2
65°	111.9	111.5	111.9	112.3	111.9	111.5	111.9	112.8	113.2	114.1	116.5
67.5°	97.6	96.8	96.0	96.4	96.0	96.8	97.6	97.8	98.9	99.4	101.1
70°	86.6	86.2	85.8	85.8	85.8	86.2	86.6	87.4	88.2	89.0	91.2
72.5°	75.9	75.8	75.4	75.1	75.4	75.8	75.9	77.4	77.9	78.8	80.1
75°	60.7	59.9	59.9	59.9	59.9	59.9	60.7	61.1	61.6	62.9	63.7
77.5°	46.3	45.9	45.4	45.1	45.4	45.9	46.3	46.4	47.0	47.3	48.2
80°	36.6	36.2	35.8	35.8	35.8	36.2	36.6	37.0	37.0	38.3	37.9
82.5°	28.0	27.6	27.5	27.1	27.5	27.6	28.0	28.0	28.0	28.9	28.9
85°	15.0	15.4	15.0	15.8	15.0	15.4	15.0	14.6	15.0	15.8	15.8
87.5°	9.9	9.5	9.9	9.6	9.9	9.5	9.9	9.8	10.1	10.2	10.3
90°	27.6	27.7	27.9	28.0	27.9	27.7	27.6	27.3	27.4	27.8	28.1
92.5°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.6	26.6	26.5	26.4
95°	52.3	51.9	51.5	51.2	51.5	51.9	52.3	52.7	52.8	52.8	52.8
97.5°	88.8	88.8	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9
100°	113.7	113.5	113.3	113.2	113.3	113.5	113.7	113.9	114.0	114.0	114.0
102.5°	141.5	141.2	141.0	140.9	141.0	141.2	141.5	141.6	141.6	141.5	141.4
105°	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.1	182.8	182.4
107.5°	225.8	224.9	224.1	223.3	224.1	224.9	225.8	226.7	227.0	226.9	226.7
110°	256.0	255.4	254.9	254.4	254.9	255.4	256.0	256.6	256.8	256.8	256.8



TEST NUMBER: P331814-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	285.3	284.9	284.5	284.1	284.5	284.9	285.3	285.7	286.1	286.6	287.0
115°	332.0	331.4	330.8	330.3	330.8	331.4	332.0	332.5	332.9	333.0	333.2
117.5°	376.1	375.5	375.0	374.4	375.0	375.5	376.1	376.6	377.1	377.6	378.0
120°	407.1	406.6	406.0	405.4	406.0	406.6	407.1	407.6	408.0	408.0	408.0
122.5°	437.1	436.7	436.3	435.9	436.3	436.7	437.1	437.5	437.9	438.3	438.8
125°	482.8	482.7	482.4	482.2	482.4	482.7	482.8	483.0	483.4	483.9	484.5
127.5°	526.3	525.7	525.1	524.6	525.1	525.7	526.3	526.8	527.5	528.2	528.8
130°	557.1	556.4	555.6	554.9	555.6	556.4	557.1	557.8	558.4	558.8	559.1
132.5°	585.8	585.1	584.6	584.0	584.6	585.1	585.8	586.4	587.0	587.8	588.6
135°	630.9	630.3	629.8	629.2	629.8	630.3	630.9	631.4	631.8	632.0	632.2
137.5°	672.4	671.6	670.9	670.2	670.9	671.6	672.4	673.1	673.6	673.8	673.8
140°	700.8	700.1	699.4	698.6	699.4	700.1	700.8	701.6	701.9	701.9	701.9
142.5°	726.6	725.9	725.1	724.4	725.1	725.9	726.6	727.3	727.6	727.5	727.3
145°	765.2	764.5	763.8	763.0	763.8	764.5	765.2	766.0	766.2	766.1	765.9
147.5°	799.6	798.9	798.3	797.5	798.3	798.9	799.6	800.3	800.5	800.1	799.6
150°	821.7	821.1	820.5	820.0	820.5	821.1	821.7	822.2	822.2	821.7	821.1
152.5°	843.3	842.5	841.8	841.1	841.8	842.5	843.3	843.9	843.9	843.3	842.5
155°	871.2	870.7	870.1	869.5	870.1	870.7	871.2	871.7	871.6	870.7	869.8
157.5°	896.7	895.8	894.9	894.0	894.9	895.8	896.7	897.5	897.3	896.1	894.9
160°	911.4	910.7	910.0	909.2	910.0	910.7	911.4	912.2	911.9	910.9	909.7
162.5°	925.0	924.1	923.2	922.4	923.2	924.1	925.0	925.9	925.8	924.5	923.2
165°	942.5	941.6	940.7	939.7	940.7	941.6	942.5	943.4	943.2	941.9	940.7
167.5°	956.8	955.9	954.9	954.0	954.9	955.9	956.8	957.7	957.6	956.3	955.0
170°	964.5	963.4	962.3	961.2	962.3	963.4	964.5	965.6	965.6	964.3	963.0
172.5°	970.5	969.4	968.2	967.2	968.2	969.4	970.5	971.6	971.4	970.2	968.9
175°	976.9	975.8	974.7	973.6	974.7	975.8	976.9	978.0	977.9	976.6	975.3
177.5°	979.2	978.4	977.5	976.6	977.5	978.4	979.2	980.1	980.1	979.2	978.4
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331814-930

CATALOG NUMBER: S122RDIW-S675D970U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1151.8	1156.4	1163.4	1167.4	1174.1	1178.4	1180.8	1185.1	1187.4	1195.7	1204.4
5°	1087.4	1094.1	1105.8	1116.6	1128.2	1140.3	1149.1	1159.0	1168.2	1184.0	1200.7
7.5°	1013.7	1023.0	1041.0	1058.3	1078.6	1095.6	1110.7	1127.7	1143.0	1165.6	1189.3
10°	958.5	974.7	998.4	1014.6	1041.3	1058.3	1082.1	1100.7	1122.0	1151.9	1178.6
12.5°	910.9	930.4	949.4	972.0	996.0	1024.3	1050.4	1074.5	1099.7	1130.7	1162.0
15°	824.4	852.7	882.3	905.1	937.7	967.6	998.0	1030.5	1061.3	1098.3	1139.1
17.5°	713.2	746.0	795.7	834.9	873.0	903.1	940.7	980.0	1016.3	1060.9	1106.4
20°	663.0	687.1	720.8	773.6	831.1	863.2	901.4	944.7	986.3	1035.0	1083.7
22.5°	622.6	644.2	671.2	712.4	776.5	820.2	860.1	904.1	952.4	1002.1	1056.1
25°	565.2	580.2	608.5	641.7	685.8	757.8	801.5	845.6	898.1	951.4	1012.9
27.5°	522.0	535.4	553.8	585.6	618.4	670.1	739.6	787.7	840.0	899.9	963.8
30°	489.0	504.8	525.2	547.7	583.5	623.9	693.3	749.1	800.7	862.3	930.6
32.5°	465.0	477.5	494.9	517.7	547.6	586.2	641.7	709.5	759.8	824.7	895.9
35°	425.7	440.3	454.4	476.1	500.3	535.7	577.6	650.0	700.0	764.1	835.7
37.5°	393.4	402.3	417.9	435.0	460.6	486.9	523.3	588.3	642.3	705.2	778.5
40°	368.8	379.9	391.6	410.7	431.5	457.0	492.8	541.0	603.0	664.6	736.2
42.5°	344.8	359.0	371.3	384.1	406.9	432.4	461.5	502.4	565.7	624.0	693.6
45°	315.8	325.1	337.9	352.0	370.8	392.5	418.2	454.0	514.8	565.2	630.5
47.5°	282.3	295.6	304.0	317.9	335.7	356.3	380.3	411.2	460.5	507.7	568.3
50°	259.3	273.0	285.1	297.6	313.4	333.4	353.4	383.3	422.8	472.4	529.0
52.5°	239.6	251.7	263.4	275.9	291.4	309.7	328.7	355.0	388.9	434.4	489.3
55°	212.6	220.1	232.2	244.7	258.4	275.9	294.2	316.3	345.4	383.7	428.3
57.5°	185.0	193.7	203.3	215.8	229.8	243.1	259.6	279.6	302.6	337.2	375.3
60°	169.4	176.0	183.9	196.8	209.8	221.8	237.7	254.3	275.9	305.9	338.3
62.5°	152.1	158.4	165.7	176.8	189.5	200.5	214.3	232.0	250.3	277.6	306.1
65°	123.2	132.3	139.4	149.4	159.8	171.5	182.3	196.4	212.6	234.3	259.7
67.5°	102.2	106.8	113.3	122.5	133.1	143.1	153.4	164.4	178.5	195.2	215.3
70°	92.8	94.5	95.7	104.4	114.5	124.4	134.0	144.4	156.5	170.2	187.7
72.5°	81.9	83.5	85.0	88.8	96.8	106.8	116.7	124.4	135.8	147.2	161.4
75°	64.9	67.4	68.6	70.8	73.7	80.3	89.4	96.9	103.6	112.3	123.6
77.5°	49.4	50.9	52.2	54.4	56.2	59.3	64.4	71.2	77.4	82.5	90.3
80°	39.1	39.5	41.2	42.1	44.5	46.6	49.1	54.5	60.7	62.9	68.2
82.5°	29.4	29.9	31.2	32.0	33.2	35.0	38.2	39.5	44.4	47.2	50.6
85°	16.2	15.8	17.0	17.0	17.9	18.8	19.6	21.6	22.9	26.3	27.1
87.5°	10.7	10.8	10.3	9.5	8.7	8.6	8.2	8.2	8.4	9.0	9.8
90°	28.5	28.9	24.9	20.8	16.8	12.7	9.6	7.4	5.2	3.0	0.8
92.5°	26.3	26.3	25.3	24.4	23.4	22.4	21.2	19.6	17.9	16.3	14.7
95°	52.8	52.8	52.5	52.1	51.8	51.4	50.3	48.4	46.6	44.8	43.0
97.5°	88.9	88.9	88.1	87.5	86.7	86.1	84.9	83.3	81.7	80.1	78.4
100°	114.0	114.0	113.4	112.8	112.3	111.8	110.7	109.3	107.8	106.3	104.8
102.5°	141.2	141.0	140.3	139.7	138.9	138.3	137.3	136.2	134.9	133.8	132.6
105°	182.1	181.6	181.3	180.9	180.6	180.2	179.8	179.2	178.6	178.1	177.6
107.5°	226.6	226.4	226.4	226.4	226.4	226.4	226.0	225.2	224.4	223.6	222.8
110°	256.8	256.8	256.8	256.8	256.8	256.8	256.2	255.2	254.0	253.0	251.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	287.4	287.9	288.0	288.1	288.3	288.5	288.0	286.9	285.8	284.7	283.6
115°	333.5	333.6	333.9	334.4	334.7	335.1	334.7	333.6	332.5	331.4	330.3
117.5°	378.5	378.9	379.9	380.9	382.0	382.9	382.8	381.3	379.8	378.4	376.9
120°	408.0	408.0	409.4	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0
122.5°	439.2	439.6	440.7	441.7	442.7	443.8	443.4	441.6	439.9	438.1	436.3
125°	485.0	485.6	486.1	486.7	487.2	487.8	487.2	485.6	483.9	482.2	480.6
127.5°	529.5	530.2	530.8	531.5	532.1	532.8	532.1	530.0	527.9	525.8	523.7
130°	559.5	559.9	560.3	560.6	561.0	561.3	560.4	558.0	555.5	553.2	550.8
132.5°	589.5	590.3	590.2	590.1	590.0	590.0	589.0	587.0	585.1	583.1	581.1
135°	632.3	632.5	632.2	631.8	631.4	631.0	629.9	627.9	625.8	623.9	621.8
137.5°	674.0	674.2	673.7	673.2	672.7	672.3	671.2	669.5	667.9	666.3	664.6
140°	701.9	701.9	701.0	700.1	699.2	698.2	696.9	695.3	693.7	692.0	690.3
142.5°	727.2	727.0	726.4	725.8	725.1	724.6	723.4	721.7	720.1	718.4	716.8
145°	765.6	765.5	764.4	763.3	762.2	761.1	759.9	758.6	757.3	756.0	754.7
147.5°	799.2	798.8	798.1	797.4	796.6	795.9	794.8	793.2	791.7	790.2	788.6
150°	820.5	820.0	819.3	818.6	817.8	817.1	816.1	815.1	813.9	812.9	811.7
152.5°	841.8	841.1	840.2	839.4	838.5	837.6	836.7	835.5	834.5	833.3	832.3
155°	868.8	867.9	867.3	866.8	866.3	865.7	865.1	864.6	864.1	863.5	862.9
157.5°	893.6	892.3	892.0	891.7	891.4	891.0	890.6	890.3	889.9	889.6	889.2
160°	908.7	907.5	907.3	907.2	907.0	906.8	906.5	906.1	905.8	905.4	905.1
162.5°	922.0	920.7	920.6	920.4	920.2	920.0	919.9	919.8	919.7	919.7	919.6
165°	939.4	938.1	938.1	938.1	938.1	938.1	938.2	938.3	938.6	938.7	938.9
167.5°	953.7	952.4	952.5	952.5	952.6	952.6	952.9	953.4	954.0	954.6	955.1
170°	961.6	960.4	960.6	960.7	960.9	961.2	961.5	962.1	962.6	963.1	963.7
172.5°	967.6	966.3	966.5	966.7	966.9	967.0	967.4	968.0	968.5	969.1	969.6
175°	974.0	972.7	973.1	973.5	973.9	974.2	974.7	975.3	975.8	976.3	976.9
177.5°	977.5	976.6	976.9	977.1	977.5	977.7	978.1	978.5	979.0	979.4	979.9
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



TEST NUMBER: P331814-930

CATALOG NUMBER: S122RDIW-S675D970U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1204.8	1205.7	1212.4	1215.4	1221.4	1223.7	1226.4	1225.7	1225.7	1227.0	1236.4
5°	1207.3	1215.6	1228.1	1240.2	1251.8	1261.8	1268.5	1275.1	1277.7	1289.7	1300.6
7.5°	1203.0	1218.3	1238.9	1257.4	1279.4	1296.7	1310.9	1323.9	1332.7	1350.2	1368.2
10°	1197.3	1219.0	1242.3	1266.0	1296.4	1319.2	1342.6	1360.5	1366.3	1392.5	1407.5
12.5°	1186.0	1215.0	1244.6	1275.3	1305.0	1336.6	1362.2	1380.1	1400.6	1424.2	1451.8
15°	1169.1	1202.3	1241.0	1280.6	1323.0	1361.3	1388.8	1420.0	1442.4	1468.3	1492.4
17.5°	1144.6	1187.5	1236.7	1282.5	1331.5	1372.7	1410.5	1440.5	1456.3	1471.0	1474.6
20°	1125.4	1171.5	1229.4	1283.4	1332.6	1380.1	1417.5	1442.4	1446.6	1447.0	1425.0
22.5°	1104.3	1156.5	1217.1	1272.5	1331.2	1384.1	1413.2	1423.8	1407.3	1379.1	1336.4
25°	1065.8	1126.2	1196.5	1259.7	1323.9	1373.8	1383.8	1365.1	1307.2	1246.4	1169.5
27.5°	1024.0	1091.8	1167.3	1237.6	1305.9	1336.8	1315.2	1247.7	1143.5	1053.0	943.2
30°	993.4	1069.6	1143.6	1222.3	1285.6	1298.9	1249.4	1149.9	1028.3	891.9	782.4
32.5°	958.5	1038.3	1119.7	1201.0	1253.9	1241.0	1159.1	1036.7	894.2	760.0	656.6
35°	908.5	990.9	1078.7	1160.3	1194.0	1137.8	1015.5	856.1	710.4	585.1	514.0
37.5°	850.8	940.5	1031.8	1106.8	1104.3	1010.7	844.1	679.6	557.1	483.0	432.4
40°	809.8	900.6	999.2	1062.5	1035.4	913.5	732.9	577.6	488.2	429.1	392.0
42.5°	770.6	861.6	959.6	1009.9	962.9	812.9	633.0	511.4	437.6	391.4	361.4
45°	703.8	799.9	890.6	918.5	834.5	669.2	511.9	423.6	374.5	340.5	319.6
47.5°	638.4	733.0	815.8	816.3	702.5	542.7	431.8	366.6	324.7	298.3	283.2
50°	598.4	688.4	757.8	747.1	618.0	482.7	386.2	330.0	295.1	274.7	258.9
52.5°	553.5	640.7	700.9	670.1	546.4	424.9	345.3	298.1	269.1	251.4	237.3
55°	488.2	565.6	608.1	561.4	445.7	353.4	291.7	254.7	233.1	218.1	206.0
57.5°	424.0	487.9	514.5	460.3	367.1	293.0	246.8	219.0	197.5	186.8	180.5
60°	383.7	438.2	457.0	397.1	319.2	256.3	218.5	192.7	176.8	169.8	163.5
62.5°	344.1	388.7	396.4	341.4	278.3	224.4	191.8	170.1	159.6	152.8	146.9
65°	285.5	317.6	313.8	269.7	220.1	178.1	154.4	141.0	133.1	123.6	113.2
67.5°	235.1	254.6	242.8	209.8	168.0	138.4	122.9	112.8	103.1	94.0	91.6
70°	203.1	214.3	201.9	171.5	137.8	116.1	103.6	91.6	85.8	83.6	79.9
72.5°	172.4	176.3	162.9	136.8	112.1	96.1	84.0	77.2	74.1	72.3	70.0
75°	129.5	126.5	114.9	94.5	77.9	67.0	63.3	60.7	58.7	57.0	55.8
77.5°	90.9	86.7	76.2	62.9	54.2	49.0	46.8	45.4	44.4	43.6	42.4
80°	68.2	65.3	55.0	44.9	41.2	38.7	37.4	35.8	35.8	35.0	33.7
82.5°	50.0	46.7	37.6	32.9	30.9	29.4	28.5	27.5	27.1	27.3	26.4
85°	26.3	21.2	18.8	17.9	16.6	15.8	16.2	15.4	15.4	15.4	15.0
87.5°	8.6	7.3	7.5	7.6	8.6	9.4	9.9	10.6	11.7	11.3	11.7
90°	3.0	5.2	7.4	9.6	12.7	16.8	20.8	24.9	28.9	28.5	28.1
92.5°	16.3	17.9	19.6	21.2	22.4	23.4	24.4	25.3	26.3	26.3	26.4
95°	44.8	46.6	48.4	50.3	51.4	51.8	52.1	52.5	52.8	52.8	52.8
97.5°	80.1	81.7	83.3	84.9	86.1	86.7	87.5	88.1	88.9	88.9	88.9
100°	106.3	107.8	109.3	110.7	111.8	112.3	112.8	113.4	114.0	114.0	114.0
102.5°	133.8	134.9	136.2	137.3	138.3	138.9	139.7	140.3	141.0	141.2	141.4
105°	178.1	178.6	179.2	179.8	180.2	180.6	180.9	181.3	181.6	182.1	182.4
107.5°	223.6	224.4	225.2	226.0	226.4	226.4	226.4	226.4	226.4	226.6	226.7
110°	253.0	254.0	255.2	256.2	256.8	256.8	256.8	256.8	256.8	256.8	256.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	284.7	285.8	286.9	288.0	288.5	288.3	288.1	288.0	287.9	287.4	287.0
115°	331.4	332.5	333.6	334.7	335.1	334.7	334.4	333.9	333.6	333.5	333.2
117.5°	378.4	379.8	381.3	382.8	382.9	382.0	380.9	379.9	378.9	378.5	378.0
120°	409.4	410.9	412.4	413.8	413.8	412.4	410.9	409.4	408.0	408.0	408.0
122.5°	438.1	439.9	441.6	443.4	443.8	442.7	441.7	440.7	439.6	439.2	438.8
125°	482.2	483.9	485.6	487.2	487.8	487.2	486.7	486.1	485.6	485.0	484.5
127.5°	525.8	527.9	530.0	532.1	532.8	532.1	531.5	530.8	530.2	529.5	528.8
130°	553.2	555.5	558.0	560.4	561.3	561.0	560.6	560.3	559.9	559.5	559.1
132.5°	583.1	585.1	587.0	589.0	590.0	590.0	590.1	590.2	590.3	589.5	588.6
135°	623.9	625.8	627.9	629.9	631.0	631.4	631.8	632.2	632.5	632.3	632.2
137.5°	666.3	667.9	669.5	671.2	672.3	672.7	673.2	673.7	674.2	674.0	673.8
140°	692.0	693.7	695.3	696.9	698.2	699.2	700.1	701.0	701.9	701.9	701.9
142.5°	718.4	720.1	721.7	723.4	724.6	725.1	725.8	726.4	727.0	727.2	727.3
145°	756.0	757.3	758.6	759.9	761.1	762.2	763.3	764.4	765.5	765.6	765.9
147.5°	790.2	791.7	793.2	794.8	795.9	796.6	797.4	798.1	798.8	799.2	799.6
150°	812.9	813.9	815.1	816.1	817.1	817.8	818.6	819.3	820.0	820.5	821.1
152.5°	833.3	834.5	835.5	836.7	837.6	838.5	839.4	840.2	841.1	841.8	842.5
155°	863.5	864.1	864.6	865.1	865.7	866.3	866.8	867.3	867.9	868.8	869.8
157.5°	889.6	889.9	890.3	890.6	891.0	891.4	891.7	892.0	892.3	893.6	894.9
160°	905.4	905.8	906.1	906.5	906.8	907.0	907.2	907.3	907.5	908.7	909.7
162.5°	919.7	919.7	919.8	919.9	920.0	920.2	920.4	920.6	920.7	922.0	923.2
165°	938.7	938.6	938.3	938.2	938.1	938.1	938.1	938.1	938.1	939.4	940.7
167.5°	954.6	954.0	953.4	952.9	952.6	952.6	952.5	952.5	952.4	953.7	955.0
170°	963.1	962.6	962.1	961.5	961.2	960.9	960.7	960.6	960.4	961.6	963.0
172.5°	969.1	968.5	968.0	967.4	967.0	966.9	966.7	966.5	966.3	967.6	968.9
175°	976.3	975.8	975.3	974.7	974.2	973.9	973.5	973.1	972.7	974.0	975.3
177.5°	979.4	979.0	978.5	978.1	977.7	977.5	977.1	976.9	976.6	977.5	978.4
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5	978.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1239.7	1244.0	1246.0	1246.0	1248.4	1247.3	1246.3
5°	1310.9	1318.8	1320.5	1328.0	1333.4	1331.7	1332.6
7.5°	1381.8	1394.5	1407.0	1412.8	1413.7	1417.1	1418.3
10°	1425.4	1435.8	1455.4	1452.5	1467.0	1475.4	1461.6
12.5°	1467.4	1481.4	1494.9	1498.7	1507.0	1509.6	1504.2
15°	1505.3	1512.8	1513.6	1511.6	1514.0	1512.0	1504.1
17.5°	1469.8	1457.7	1433.1	1421.4	1412.2	1398.5	1393.0
20°	1411.2	1375.4	1333.8	1317.2	1297.6	1259.3	1268.5
22.5°	1284.7	1243.9	1202.3	1153.7	1130.5	1094.2	1092.0
25°	1087.9	1017.6	940.1	886.1	854.4	818.2	802.4
27.5°	845.8	757.2	693.8	661.7	632.5	603.8	602.6
30°	686.6	620.1	571.0	543.6	525.6	513.6	516.1
32.5°	578.8	533.2	500.1	477.3	464.1	454.9	454.8
35°	473.2	442.0	420.8	411.2	401.6	394.9	395.3
37.5°	405.0	386.2	374.4	363.8	357.8	354.6	352.8
40°	370.0	354.6	345.4	339.2	334.2	329.6	328.8
42.5°	342.3	329.6	320.4	315.5	310.9	307.6	306.8
45°	303.8	293.4	285.1	279.6	277.6	274.7	274.7
47.5°	270.3	260.0	253.6	250.1	246.5	244.6	244.5
50°	247.6	239.7	233.9	231.8	228.9	227.6	227.2
52.5°	227.3	221.4	217.3	215.8	214.6	213.0	213.3
55°	199.7	196.4	194.8	193.6	191.4	188.9	190.6
57.5°	176.5	173.7	169.3	165.3	163.4	161.7	162.3
60°	160.2	154.4	148.5	144.0	142.8	139.0	139.0
62.5°	139.6	131.4	124.3	121.7	120.4	118.7	118.4
65°	107.4	104.0	102.4	100.7	99.9	99.9	99.1
67.5°	88.9	87.6	85.9	85.4	84.5	84.3	84.1
70°	78.7	77.0	76.1	75.7	74.9	75.3	74.1
72.5°	68.6	67.3	67.2	66.1	65.6	65.6	64.7
75°	54.1	54.1	53.6	53.2	52.4	52.0	52.4
77.5°	41.6	41.7	40.9	40.8	40.8	40.8	40.4
80°	33.3	33.7	33.3	32.9	32.4	32.9	32.4
82.5°	26.3	25.7	25.6	25.5	25.4	25.2	25.1
85°	15.0	15.4	15.0	14.6	14.6	14.6	15.0
87.5°	11.3	11.2	11.1	11.2	11.2	11.3	10.9
90°	27.8	27.4	27.3	27.6	27.7	27.9	28.0
92.5°	26.5	26.6	26.6	26.7	26.7	26.7	26.7
95°	52.8	52.8	52.7	52.3	51.9	51.5	51.2
97.5°	88.9	88.9	88.9	88.8	88.8	88.7	88.7
100°	114.0	114.0	113.9	113.7	113.5	113.3	113.2
102.5°	141.5	141.6	141.6	141.5	141.2	141.0	140.9
105°	182.8	183.1	183.4	183.4	183.4	183.4	183.4
107.5°	226.9	227.0	226.7	225.8	224.9	224.1	223.3
110°	256.8	256.8	256.6	256.0	255.4	254.9	254.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	286.6	286.1	285.7	285.3	284.9	284.5	284.1
115°	333.0	332.9	332.5	332.0	331.4	330.8	330.3
117.5°	377.6	377.1	376.6	376.1	375.5	375.0	374.4
120°	408.0	408.0	407.6	407.1	406.6	406.0	405.4
122.5°	438.3	437.9	437.5	437.1	436.7	436.3	435.9
125°	483.9	483.4	483.0	482.8	482.7	482.4	482.2
127.5°	528.2	527.5	526.8	526.3	525.7	525.1	524.6
130°	558.8	558.4	557.8	557.1	556.4	555.6	554.9
132.5°	587.8	587.0	586.4	585.8	585.1	584.6	584.0
135°	632.0	631.8	631.4	630.9	630.3	629.8	629.2
137.5°	673.8	673.6	673.1	672.4	671.6	670.9	670.2
140°	701.9	701.9	701.6	700.8	700.1	699.4	698.6
142.5°	727.5	727.6	727.3	726.6	725.9	725.1	724.4
145°	766.1	766.2	766.0	765.2	764.5	763.8	763.0
147.5°	800.1	800.5	800.3	799.6	798.9	798.3	797.5
150°	821.7	822.2	822.2	821.7	821.1	820.5	820.0
152.5°	843.3	843.9	843.9	843.3	842.5	841.8	841.1
155°	870.7	871.6	871.7	871.2	870.7	870.1	869.5
157.5°	896.1	897.3	897.5	896.7	895.8	894.9	894.0
160°	910.9	911.9	912.2	911.4	910.7	910.0	909.2
162.5°	924.5	925.8	925.9	925.0	924.1	923.2	922.4
165°	941.9	943.2	943.4	942.5	941.6	940.7	939.7
167.5°	956.3	957.6	957.7	956.8	955.9	954.9	954.0
170°	964.3	965.6	965.6	964.5	963.4	962.3	961.2
172.5°	970.2	971.4	971.6	970.5	969.4	968.2	967.2
175°	976.6	977.9	978.0	976.9	975.8	974.7	973.6
177.5°	979.2	980.1	980.1	979.2	978.4	977.5	976.6
180°	978.5	978.5	978.5	978.5	978.5	978.5	978.5

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