

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: P331694-930

Luminaire Tested: **SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331694-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

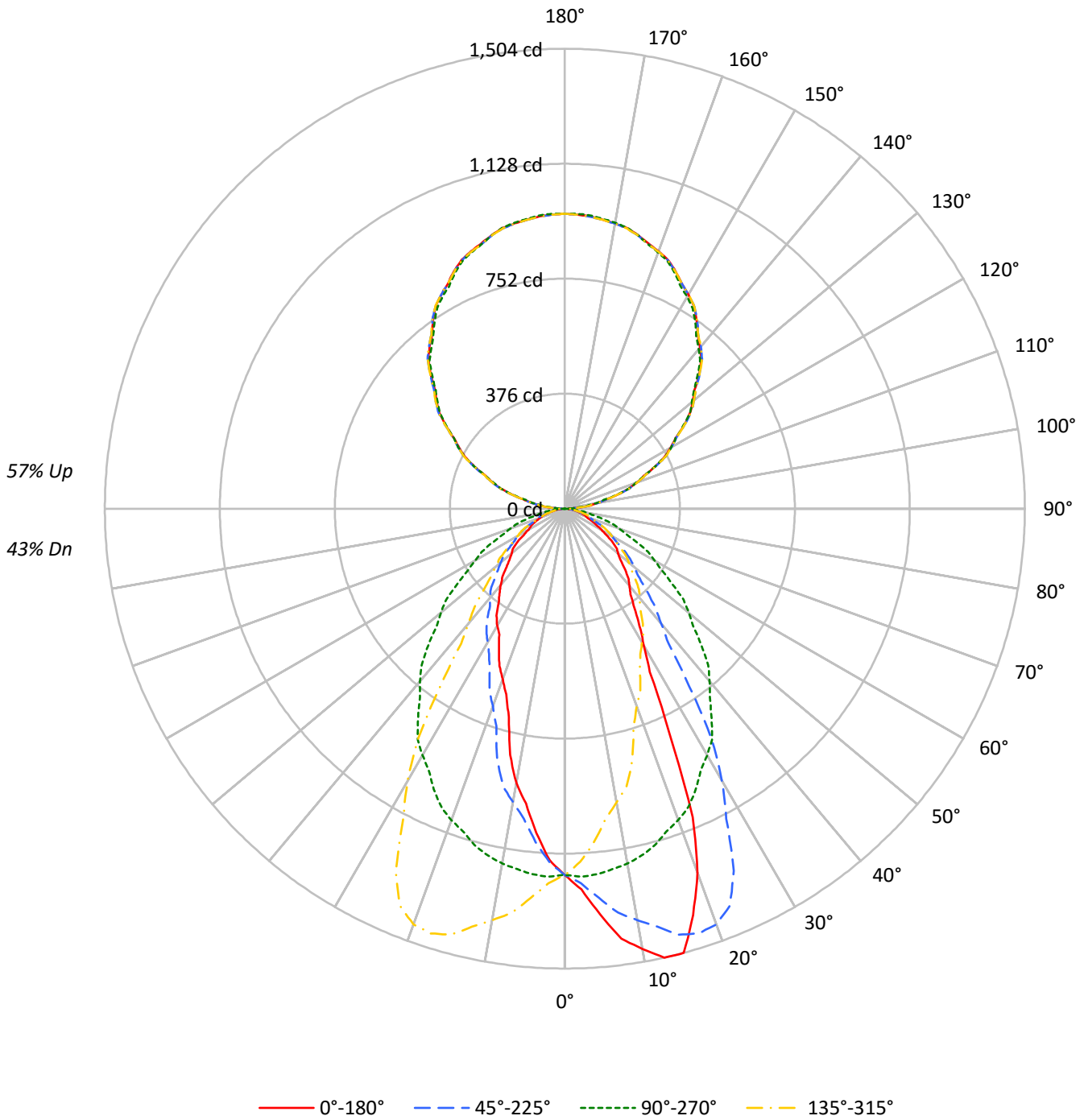
Lumens per Lamp: N/A
Luminaire Lumens: 4769.8 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 52
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



TEST NUMBER: P331694-930
CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	44	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	82	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	46	42	42	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	37	38	34	31	30	28	26	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	33	29	32	28	25	26	23	21	18
8	55	43	36	31	51	40	34	29	35	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	25	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



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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	7.0
50°-60°	252.7	5.3
60°-70°	159.8	3.3
70°-80°	79.8	1.7
80°-90°	24.6	0.5
90°-100°	61.1	1.3
100°-110°	189.8	4.0
110°-120°	324.3	6.8
120°-130°	426.5	8.9
130°-140°	478.7	10.0
140°-150°	469.4	9.8
150°-160°	393.7	8.3
160°-170°	261.1	5.5
170°-180°	91.3	1.9
0°-30°	837.6	17.6
0°-40°	1225.0	25.7
0°-60°	1809.6	37.9
0°-90°	2073.8	43.5
90°-120°	575.2	12.1
90°-150°	1949.8	40.9
90°-180°	2696.0	56.5
0°-180°	4769.8	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°	50	42	50	42	50	56
105°	181	175	181	175	181	190
115°	326	326	326	326	326	321
125°	475	474	475	474	475	424
135°	620	613	620	613	620	477
145°	752	744	752	744	752	469
155°	857	850	857	850	857	394
165°	926	925	926	925	926	261
175°	959	962	959	962	959	91
180°	964	964	964	964	964	



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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°	10.8	11.2	11.1	11.1	11.1	11.1	11.2	11.6	11.3	11.7	10.6
90°	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7	28.1	28.5	24.5
92.5°	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0	25.9	25.8	24.9
95°	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	51.7
97.5°	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	86.8
100°	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3	112.3	112.3	111.8
102.5°	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3	139.1	139.0	138.3
105°	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7	179.4	179.0	178.6
107.5°	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4	223.2	223.1	223.1
110°	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1	253.1	253.1	253.1



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7	283.2	283.6	283.8
115°	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3	328.6	328.7	329.1
117.5°	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4	372.8	373.3	374.3
120°	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9	401.9	401.9	403.4
122.5°	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3	432.8	433.2	434.2
125°	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4	477.8	478.4	479.0
127.5°	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1	521.7	522.4	523.0
130°	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9	551.3	551.6	552.0
132.5°	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0	580.8	581.6	581.5
135°	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9	623.1	623.2	622.9
137.5°	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0	664.1	664.2	663.8
140°	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6	691.6	691.6	690.7
142.5°	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6	716.5	716.3	715.7
145°	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6	754.4	754.2	753.2
147.5°	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9	787.5	787.1	786.4
150°	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0	808.5	808.0	807.2
152.5°	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1	829.5	828.8	827.9
155°	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0	856.1	855.1	854.6
157.5°	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7	880.4	879.2	878.9
160°	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3	895.3	894.1	894.0
162.5°	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6	908.4	907.2	907.0
165°	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8	925.5	924.3	924.3
167.5°	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9	939.7	938.4	938.5
170°	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8	947.5	946.2	946.4
172.5°	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6	953.4	952.1	952.3
175°	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0	959.7	958.5	958.8
177.5°	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9	963.0	962.2	962.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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°	9.8	9.3	8.5	7.6	7.4	7.3	8.6	9.8	8.9	8.3	8.2
90°	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8	3.0	5.1	7.3
92.5°	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5	16.1	17.7	19.2
95°	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3	44.1	45.9	47.7
97.5°	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3	78.9	80.5	82.1
100°	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3	104.8	106.2	107.7
102.5°	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7	131.8	133.0	134.1
105°	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0	175.5	176.0	176.6
107.5°	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5	220.3	221.1	221.9
110°	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2	249.2	250.3	251.4



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4	280.5	281.6	282.7
115°	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5	326.5	327.6	328.7
117.5°	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4	372.8	374.2	375.7
120°	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	403.4	404.8	406.3
122.5°	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9	431.6	433.4	435.1
125°	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5	475.2	476.8	478.4
127.5°	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0	518.0	520.2	522.2
130°	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7	545.0	547.4	549.8
132.5°	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7	574.5	576.5	578.4
135°	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7	614.7	616.6	618.6
137.5°	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8	656.4	658.0	659.7
140°	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2	681.8	683.5	685.1
142.5°	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2	707.8	709.5	711.1
145°	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6	744.9	746.2	747.5
147.5°	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0	778.5	780.1	781.5
150°	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8	800.9	801.9	803.1
152.5°	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9	821.1	822.1	823.2
155°	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3	850.8	851.3	851.9
157.5°	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1	876.4	876.9	877.2
160°	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8	892.1	892.4	892.8
162.5°	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0	906.1	906.2	906.3
165°	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1	925.0	924.7	924.5
167.5°	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0	940.5	940.0	939.4
170°	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5	948.9	948.4	947.9
172.5°	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4	954.8	954.3	953.7
175°	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5	962.0	961.4	960.9
177.5°	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5	965.0	964.6	964.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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	8.5	8.6	9.5	10.2	10.7	10.6	10.2	10.1	10.0	9.7
90°	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7	27.4	27.1	26.9
92.5°	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0	26.1	26.2	26.3
95°	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1	52.1	52.1	51.9
97.5°	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6	87.6	87.6	87.6
100°	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3	112.3	112.3	112.2
102.5°	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3	139.4	139.6	139.5
105°	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7	180.1	180.4	180.6
107.5°	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4	223.6	223.6	223.3
110°	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	252.7



TEST NUMBER: P331694-930
 CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7	282.3	281.9	281.4
115°	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3	328.2	328.0	327.6
117.5°	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4	372.0	371.5	371.0
120°	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9	401.9	401.9	401.7
122.5°	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3	431.9	431.5	431.0
125°	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4	476.8	476.2	475.9
127.5°	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1	520.4	519.8	519.1
130°	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9	550.6	550.2	549.7
132.5°	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0	579.2	578.4	577.7
135°	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9	622.7	622.5	622.2
137.5°	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0	663.8	663.7	663.2
140°	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6	691.6	691.6	691.2
142.5°	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6	716.7	716.9	716.6
145°	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6	754.8	755.0	754.7
147.5°	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9	788.3	788.7	788.6
150°	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0	809.6	810.1	810.1
152.5°	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1	830.8	831.5	831.5
155°	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0	857.9	858.8	858.9
157.5°	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7	882.9	884.1	884.3
160°	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3	897.4	898.5	898.7
162.5°	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6	910.9	912.1	912.3
165°	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8	928.1	929.4	929.5
167.5°	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9	942.2	943.5	943.6
170°	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8	950.1	951.3	951.4
172.5°	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6	955.9	957.2	957.2
175°	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0	962.2	963.5	963.6
177.5°	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9	964.8	965.6	965.6
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-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°	9.8	9.5	9.9	9.5	9.9	9.5	9.8	9.7	10.0	10.1	10.2
90°	27.1	27.3	27.5	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7
92.5°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0
95°	51.5	51.2	50.8	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1
97.5°	87.5	87.5	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6
100°	112.0	111.9	111.6	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3
102.5°	139.3	139.2	139.0	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3
105°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7
107.5°	222.5	221.7	220.9	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4
110°	252.3	251.7	251.1	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	281.1	280.7	280.3	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7
115°	327.1	326.5	326.0	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3
117.5°	370.6	370.0	369.4	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4
120°	401.1	400.6	400.1	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9
122.5°	430.6	430.2	429.8	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3
125°	475.7	475.5	475.3	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4
127.5°	518.5	518.0	517.4	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1
130°	548.9	548.2	547.5	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9
132.5°	577.2	576.6	576.0	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0
135°	621.6	621.1	620.5	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9
137.5°	662.5	661.8	661.0	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0
140°	690.5	689.7	689.1	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6
142.5°	715.9	715.2	714.4	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6
145°	754.0	753.3	752.5	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6
147.5°	787.9	787.2	786.5	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9
150°	809.6	809.0	808.5	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0
152.5°	830.8	830.1	829.5	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1
155°	858.3	857.9	857.3	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0
157.5°	883.5	882.6	881.7	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7
160°	898.0	897.2	896.5	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3
162.5°	911.4	910.5	909.7	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6
165°	928.6	927.7	926.8	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8
167.5°	942.7	941.8	940.9	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9
170°	950.3	949.3	948.1	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8
172.5°	956.2	955.1	954.0	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6
175°	962.5	961.4	960.3	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0
177.5°	964.8	963.9	963.0	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930
 CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-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°	10.6	10.7	10.2	9.5	8.6	8.5	8.2	8.2	8.3	8.9	9.8
90°	28.1	28.5	24.5	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8
92.5°	25.9	25.8	24.9	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5
95°	52.1	52.1	51.7	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3
97.5°	87.6	87.6	86.8	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3
100°	112.3	112.3	111.8	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3
102.5°	139.1	139.0	138.3	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7
105°	179.4	179.0	178.6	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0
107.5°	223.2	223.1	223.1	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5
110°	253.1	253.1	253.1	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.2	283.6	283.8	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4
115°	328.6	328.7	329.1	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5
117.5°	372.8	373.3	374.3	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4
120°	401.9	401.9	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9
122.5°	432.8	433.2	434.2	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9
125°	477.8	478.4	479.0	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5
127.5°	521.7	522.4	523.0	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0
130°	551.3	551.6	552.0	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7
132.5°	580.8	581.6	581.5	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7
135°	623.1	623.2	622.9	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7
137.5°	664.1	664.2	663.8	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8
140°	691.6	691.6	690.7	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2
142.5°	716.5	716.3	715.7	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2
145°	754.4	754.2	753.2	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6
147.5°	787.5	787.1	786.4	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0
150°	808.5	808.0	807.2	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8
152.5°	829.5	828.8	827.9	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9
155°	856.1	855.1	854.6	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3
157.5°	880.4	879.2	878.9	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1
160°	895.3	894.1	894.0	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8
162.5°	908.4	907.2	907.0	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0
165°	925.5	924.3	924.3	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1
167.5°	939.7	938.4	938.5	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0
170°	947.5	946.2	946.4	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5
172.5°	953.4	952.1	952.3	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4
175°	959.7	958.5	958.8	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5
177.5°	963.0	962.2	962.5	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-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	7.4	7.6	8.5	9.3	9.8	10.6	11.7	11.3	11.6
90°	3.0	5.1	7.3	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7
92.5°	16.1	17.7	19.2	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0
95°	44.1	45.9	47.7	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1
97.5°	78.9	80.5	82.1	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6
100°	104.8	106.2	107.7	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3
102.5°	131.8	133.0	134.1	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3
105°	175.5	176.0	176.6	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7
107.5°	220.3	221.1	221.9	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4
110°	249.2	250.3	251.4	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.5	281.6	282.7	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7
115°	326.5	327.6	328.7	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3
117.5°	372.8	374.2	375.7	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4
120°	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9
122.5°	431.6	433.4	435.1	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3
125°	475.2	476.8	478.4	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4
127.5°	518.0	520.2	522.2	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1
130°	545.0	547.4	549.8	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9
132.5°	574.5	576.5	578.4	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0
135°	614.7	616.6	618.6	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9
137.5°	656.4	658.0	659.7	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0
140°	681.8	683.5	685.1	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6
142.5°	707.8	709.5	711.1	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6
145°	744.9	746.2	747.5	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6
147.5°	778.5	780.1	781.5	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9
150°	800.9	801.9	803.1	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0
152.5°	821.1	822.1	823.2	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1
155°	850.8	851.3	851.9	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0
157.5°	876.4	876.9	877.2	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7
160°	892.1	892.4	892.8	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3
162.5°	906.1	906.2	906.3	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6
165°	925.0	924.7	924.5	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8
167.5°	940.5	940.0	939.4	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9
170°	948.9	948.4	947.9	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8
172.5°	954.8	954.3	953.7	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6
175°	962.0	961.4	960.9	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0
177.5°	965.0	964.6	964.2	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

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°	11.2	11.1	11.1	11.1	11.1	11.2	10.8
90°	27.4	27.1	26.9	27.1	27.3	27.5	27.6
92.5°	26.1	26.2	26.3	26.3	26.3	26.3	26.3
95°	52.1	52.1	51.9	51.5	51.2	50.8	50.5
97.5°	87.6	87.6	87.6	87.5	87.5	87.4	87.4
100°	112.3	112.3	112.2	112.0	111.9	111.6	111.5
102.5°	139.4	139.6	139.5	139.3	139.2	139.0	138.8
105°	180.1	180.4	180.6	180.6	180.6	180.6	180.6
107.5°	223.6	223.6	223.3	222.5	221.7	220.9	220.0
110°	253.1	253.1	252.7	252.3	251.7	251.1	250.6



TEST NUMBER: P331694-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.3	281.9	281.4	281.1	280.7	280.3	279.9
115°	328.2	328.0	327.6	327.1	326.5	326.0	325.5
117.5°	372.0	371.5	371.0	370.6	370.0	369.4	368.9
120°	401.9	401.9	401.7	401.1	400.6	400.1	399.5
122.5°	431.9	431.5	431.0	430.6	430.2	429.8	429.4
125°	476.8	476.2	475.9	475.7	475.5	475.3	475.2
127.5°	520.4	519.8	519.1	518.5	518.0	517.4	516.8
130°	550.6	550.2	549.7	548.9	548.2	547.5	546.7
132.5°	579.2	578.4	577.7	577.2	576.6	576.0	575.4
135°	622.7	622.5	622.2	621.6	621.1	620.5	620.0
137.5°	663.8	663.7	663.2	662.5	661.8	661.0	660.3
140°	691.6	691.6	691.2	690.5	689.7	689.1	688.4
142.5°	716.7	716.9	716.6	715.9	715.2	714.4	713.7
145°	754.8	755.0	754.7	754.0	753.3	752.5	751.8
147.5°	788.3	788.7	788.6	787.9	787.2	786.5	785.8
150°	809.6	810.1	810.1	809.6	809.0	808.5	808.0
152.5°	830.8	831.5	831.5	830.8	830.1	829.5	828.8
155°	857.9	858.8	858.9	858.3	857.9	857.3	856.7
157.5°	882.9	884.1	884.3	883.5	882.6	881.7	880.8
160°	897.4	898.5	898.7	898.0	897.2	896.5	895.8
162.5°	910.9	912.1	912.3	911.4	910.5	909.7	908.8
165°	928.1	929.4	929.5	928.6	927.7	926.8	925.9
167.5°	942.2	943.5	943.6	942.7	941.8	940.9	939.9
170°	950.1	951.3	951.4	950.3	949.3	948.1	947.1
172.5°	955.9	957.2	957.2	956.2	955.1	954.0	952.9
175°	962.2	963.5	963.6	962.5	961.4	960.3	959.3
177.5°	964.8	965.6	965.6	964.8	963.9	963.0	962.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2

(END OF REPORT)