

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: P331695-930

Luminaire Tested: **SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331695-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
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-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

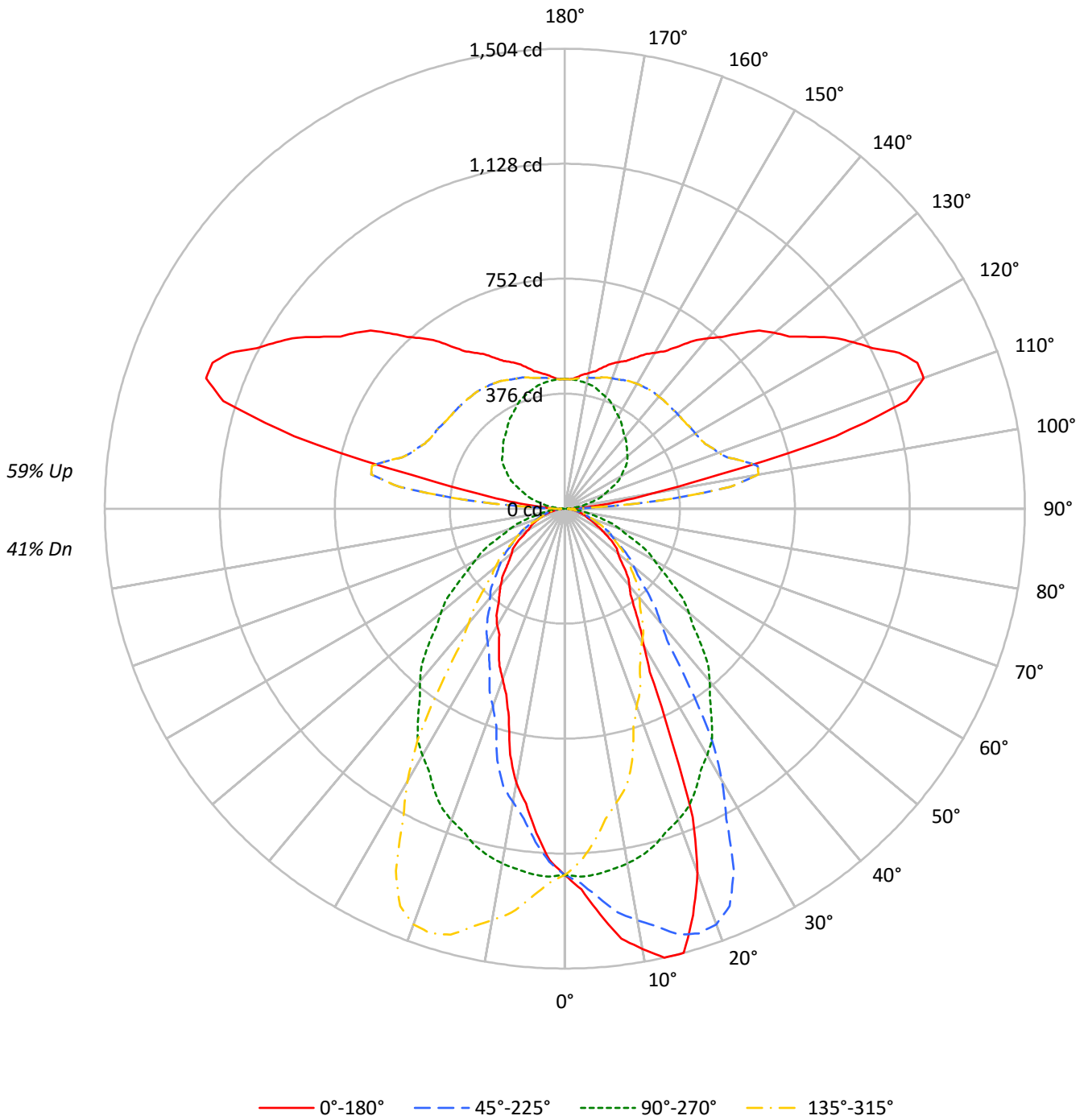
Lumens per Lamp: N/A
Luminaire Lumens: 5018.1 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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



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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	89	86	88	85	81	79	70	68	66	56	55	53	43	43	42	36
2	88	81	76	71	80	75	70	66	62	58	55	50	48	46	39	38	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	69	58	50	44	63	53	47	42	45	40	36	37	33	30	29	27	25	21
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	37	30	26	31	26	23	26	22	20	21	19	17	15
10	48	36	29	25	44	34	28	23	29	24	21	24	21	18	20	17	15	13

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	2.3
10°-20°	316.4	6.3
20°-30°	407.7	8.1
30°-40°	387.4	7.7
40°-50°	331.9	6.6
50°-60°	252.7	5.0
60°-70°	159.8	3.2
70°-80°	79.8	1.6
80°-90°	24.6	0.5
90°-100°	169.2	3.4
100°-110°	574.1	11.4
110°-120°	609.9	12.2
120°-130°	502.1	10.0
130°-140°	403.2	8.0
140°-150°	304.7	6.1
150°-160°	214.1	4.3
160°-170°	126.0	2.5
170°-180°	41.0	0.8
0°-30°	837.6	16.7
0°-40°	1225.0	24.4
0°-60°	1809.6	36.1
0°-90°	2073.8	41.3
90°-120°	1353.2	27.0
90°-150°	2563.1	51.1
90°-180°	2944.0	58.7
0°-180°	5018.1	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°	27	1	27	1	27	15
95°	93	28	93	28	93	121
105°	917	99	917	99	917	887
115°	1207	175	1207	175	1207	1182
125°	979	244	979	244	979	885
135°	811	286	811	286	811	630
145°	648	327	648	327	648	411
155°	544	372	544	372	544	254
165°	478	405	478	405	478	137
175°	430	422	430	422	430	42
180°	423	423	423	423	423	



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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°	10.7	11.0	11.0	11.0	11.0	10.8	10.5	11.2	11.0	11.5	11.0
90°	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0	26.8	27.6	26.8
92.5°	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9	89.4	105.7	104.3
95°	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2	279.1	318.9	282.3
97.5°	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5	571.2	544.5	410.1
100°	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9	760.0	642.8	442.6
102.5°	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7	830.3	646.0	430.3
105°	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6	819.4	602.9	406.0
107.5°	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5	748.0	556.8	394.0
110°	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7	703.0	534.6	391.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6	671.8	520.2	392.0
115°	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3	633.1	504.5	395.4
117.5°	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7	608.6	496.8	401.3
120°	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6	595.7	492.3	405.2
122.5°	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0	584.6	489.7	409.8
125°	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5	568.8	484.9	416.6
127.5°	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3	554.2	482.2	423.6
130°	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0	544.4	480.9	428.8
132.5°	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3	536.5	480.2	434.0
135°	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5	525.6	479.2	440.2
137.5°	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1	518.0	479.1	445.7
140°	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1	513.5	478.4	448.3
142.5°	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0	508.9	478.4	450.3
145°	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1	502.9	476.8	452.4
147.5°	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1	496.7	473.9	453.1
150°	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0	491.5	472.0	452.4
152.5°	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9	486.9	468.7	451.1
155°	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9	478.4	463.0	449.1
157.5°	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3	470.5	457.1	445.4
160°	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2	464.6	453.2	443.4
162.5°	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1	459.4	450.0	441.5
165°	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3	450.8	443.4	437.7
167.5°	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0	442.3	437.7	434.0
170°	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8	437.7	434.5	432.1
172.5°	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9	433.3	430.6	429.5
175°	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7	427.2	426.4	425.6
177.5°	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1	423.8	423.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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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°	10.0	9.2	8.4	7.6	7.6	7.7	8.6	9.8	9.0	8.6	8.3
90°	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8	3.3	6.5	8.2
92.5°	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9	14.3	20.2	23.7
95°	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5	31.7	39.9	47.2
97.5°	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4	50.8	59.4	70.4
100°	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6	65.1	72.4	85.4
102.5°	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6	79.4	86.7	99.8
105°	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3	102.6	108.2	120.4
107.5°	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7	125.3	130.9	142.1
110°	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4	141.6	146.4	157.0



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6	155.9	161.4	171.4
115°	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0	179.0	183.9	193.6
117.5°	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0	201.3	206.2	214.8
120°	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4	215.6	220.5	227.8
122.5°	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1	228.6	233.5	241.5
125°	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1	246.5	251.4	261.2
127.5°	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4	261.7	268.5	279.2
130°	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9	270.1	278.3	289.7
132.5°	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7	278.6	287.4	299.5
135°	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4	289.7	299.5	311.6
137.5°	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5	301.4	311.1	324.2
140°	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0	309.2	318.9	332.0
142.5°	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4	317.0	326.1	339.2
145°	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1	330.4	338.5	350.7
147.5°	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8	343.2	351.0	362.2
150°	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9	352.3	358.8	369.4
152.5°	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0	360.1	366.6	375.9
155°	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9	372.7	377.6	386.5
157.5°	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6	383.4	387.3	395.1
160°	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8	390.6	393.8	400.3
162.5°	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9	396.4	399.7	404.9
165°	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2	404.4	406.0	410.9
167.5°	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1	411.1	412.5	415.6
170°	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6	415.0	415.8	418.2
172.5°	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2	418.2	417.8	420.2
175°	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3	421.5	420.7	422.3
177.5°	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8	422.5	421.8	423.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

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°	8.3	8.4	8.6	9.7	10.7	10.5	10.4	9.9	9.5	9.9	9.7
90°	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0	24.4	26.0	26.8
92.5°	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9	60.9	54.1	49.0
95°	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2	163.5	129.4	111.5
97.5°	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5	407.0	318.9	260.2
100°	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9	642.0	530.5	432.1
102.5°	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7	880.9	799.4	695.0
105°	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6	1080.6	1091.2	1064.3
107.5°	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5	1065.9	1150.6	1189.9
110°	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7	1020.3	1124.5	1191.2



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6	966.4	1077.7	1154.1
115°	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3	892.6	999.2	1083.0
117.5°	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7	832.7	929.4	1008.0
120°	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6	801.5	887.7	961.8
122.5°	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0	775.4	857.1	924.1
125°	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5	741.3	812.9	873.9
127.5°	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3	708.1	775.6	831.9
130°	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0	685.9	750.2	804.0
132.5°	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3	665.1	724.1	774.6
135°	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5	632.3	685.9	731.5
137.5°	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1	606.0	648.7	688.4
140°	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1	589.1	626.6	662.3
142.5°	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0	574.1	606.3	636.3
145°	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1	555.0	580.2	603.7
147.5°	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1	539.3	559.0	576.3
150°	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0	528.9	546.0	560.6
152.5°	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9	520.4	534.9	547.6
155°	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9	507.0	519.1	528.1
157.5°	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3	493.3	503.5	510.5
160°	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2	484.1	493.1	498.8
162.5°	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1	475.6	483.3	487.7
165°	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3	463.0	468.7	472.0
167.5°	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0	451.4	455.3	458.3
170°	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8	444.3	447.5	449.1
172.5°	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9	437.7	440.3	441.3
175°	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7	430.5	431.3	432.1
177.5°	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1	425.1	425.7	425.7
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331695-930
 CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

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°	9.7	9.4	9.7	9.4	9.7	9.4	9.7	9.7	9.9	9.5	9.9
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0
92.5°	48.3	45.7	46.4	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9
95°	100.9	94.4	92.0	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2
97.5°	221.4	201.3	189.4	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5
100°	364.5	329.5	306.0	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9
102.5°	621.7	561.9	532.5	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7
105°	1013.8	963.4	928.4	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6
107.5°	1196.3	1193.5	1186.5	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5
110°	1226.2	1241.7	1249.0	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1202.8	1228.7	1242.5	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6
115°	1140.8	1178.2	1199.4	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3
117.5°	1066.9	1106.4	1128.8	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7
120°	1018.7	1057.0	1080.6	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6
122.5°	975.1	1012.7	1033.7	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0
125°	921.1	952.0	972.3	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5
127.5°	873.1	902.0	919.7	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3
130°	843.8	871.5	887.7	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0
132.5°	813.8	841.6	856.5	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3
135°	766.5	793.4	808.0	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5
137.5°	720.3	743.4	756.3	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1
140°	688.4	709.6	721.8	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1
142.5°	661.0	680.3	691.1	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0
145°	623.3	637.2	645.2	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1
147.5°	592.4	603.4	608.9	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1
150°	572.8	582.6	587.5	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0
152.5°	557.2	565.7	569.2	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9
155°	537.0	542.7	546.0	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9
157.5°	516.8	521.5	523.0	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3
160°	504.5	508.6	509.4	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2
162.5°	493.4	496.2	497.0	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1
165°	475.2	478.4	478.4	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3
167.5°	459.7	461.5	461.4	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0
170°	450.0	452.4	451.6	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8
172.5°	442.1	443.3	442.5	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9
175°	432.1	432.9	432.1	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7
177.5°	425.7	425.7	425.1	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

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°	10.4	10.5	10.7	9.7	8.6	8.4	8.3	8.3	8.6	9.0	9.8
90°	26.8	27.6	26.8	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8
92.5°	89.4	105.7	104.3	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9
95°	279.1	318.9	282.3	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5
97.5°	571.2	544.5	410.1	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4
100°	760.0	642.8	442.6	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6
102.5°	830.3	646.0	430.3	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6
105°	819.4	602.9	406.0	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3
107.5°	748.0	556.8	394.0	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7
110°	703.0	534.6	391.4	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4



TEST NUMBER: P331695-930
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	671.8	520.2	392.0	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6
115°	633.1	504.5	395.4	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0
117.5°	608.6	496.8	401.3	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0
120°	595.7	492.3	405.2	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4
122.5°	584.6	489.7	409.8	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1
125°	568.8	484.9	416.6	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1
127.5°	554.2	482.2	423.6	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4
130°	544.4	480.9	428.8	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9
132.5°	536.5	480.2	434.0	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7
135°	525.6	479.2	440.2	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4
137.5°	518.0	479.1	445.7	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5
140°	513.5	478.4	448.3	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0
142.5°	508.9	478.4	450.3	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4
145°	502.9	476.8	452.4	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1
147.5°	496.7	473.9	453.1	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8
150°	491.5	472.0	452.4	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9
152.5°	486.9	468.7	451.1	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0
155°	478.4	463.0	449.1	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9
157.5°	470.5	457.1	445.4	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6
160°	464.6	453.2	443.4	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8
162.5°	459.4	450.0	441.5	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9
165°	450.8	443.4	437.7	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2
167.5°	442.3	437.7	434.0	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1
170°	437.7	434.5	432.1	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6
172.5°	433.3	430.6	429.5	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2
175°	427.2	426.4	425.6	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3
177.5°	423.8	423.1	423.8	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331695-930

CATALOG NUMBER: SA2XXRDIP-C675D925U930-4F0-1E-UDD-A4

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	7.7	7.6	7.6	8.4	9.2	10.0	11.0	11.5	11.0	11.2
90°	3.3	6.5	8.2	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0
92.5°	14.3	20.2	23.7	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9
95°	31.7	39.9	47.2	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2
97.5°	50.8	59.4	70.4	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5
100°	65.1	72.4	85.4	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9
102.5°	79.4	86.7	99.8	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7
105°	102.6	108.2	120.4	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6
107.5°	125.3	130.9	142.1	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5
110°	141.6	146.4	157.0	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.9	161.4	171.4	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6
115°	179.0	183.9	193.6	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3
117.5°	201.3	206.2	214.8	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7
120°	215.6	220.5	227.8	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6
122.5°	228.6	233.5	241.5	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0
125°	246.5	251.4	261.2	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5
127.5°	261.7	268.5	279.2	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3
130°	270.1	278.3	289.7	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0
132.5°	278.6	287.4	299.5	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3
135°	289.7	299.5	311.6	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5
137.5°	301.4	311.1	324.2	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1
140°	309.2	318.9	332.0	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1
142.5°	317.0	326.1	339.2	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0
145°	330.4	338.5	350.7	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1
147.5°	343.2	351.0	362.2	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1
150°	352.3	358.8	369.4	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0
152.5°	360.1	366.6	375.9	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9
155°	372.7	377.6	386.5	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9
157.5°	383.4	387.3	395.1	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3
160°	390.6	393.8	400.3	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2
162.5°	396.4	399.7	404.9	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1
165°	404.4	406.0	410.9	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3
167.5°	411.1	412.5	415.6	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0
170°	415.0	415.8	418.2	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8
172.5°	418.2	417.8	420.2	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9
175°	421.5	420.7	422.3	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7
177.5°	422.5	421.8	423.1	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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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°	10.5	10.8	11.0	11.0	11.0	11.0	10.7
90°	24.4	26.0	26.8	26.8	26.8	26.8	26.8
92.5°	60.9	54.1	49.0	48.3	45.7	46.4	45.1
95°	163.5	129.4	111.5	100.9	94.4	92.0	92.8
97.5°	407.0	318.9	260.2	221.4	201.3	189.4	182.6
100°	642.0	530.5	432.1	364.5	329.5	306.0	291.3
102.5°	880.9	799.4	695.0	621.7	561.9	532.5	512.7
105°	1080.6	1091.2	1064.3	1013.8	963.4	928.4	917.0
107.5°	1065.9	1150.6	1189.9	1196.3	1193.5	1186.5	1171.4
110°	1020.3	1124.5	1191.2	1226.2	1241.7	1249.0	1248.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	966.4	1077.7	1154.1	1202.8	1228.7	1242.5	1246.9
115°	892.6	999.2	1083.0	1140.8	1178.2	1199.4	1206.7
117.5°	832.7	929.4	1008.0	1066.9	1106.4	1128.8	1134.9
120°	801.5	887.7	961.8	1018.7	1057.0	1080.6	1088.8
122.5°	775.4	857.1	924.1	975.1	1012.7	1033.7	1040.6
125°	741.3	812.9	873.9	921.1	952.0	972.3	978.8
127.5°	708.1	775.6	831.9	873.1	902.0	919.7	924.9
130°	685.9	750.2	804.0	843.8	871.5	887.7	894.2
132.5°	665.1	724.1	774.6	813.8	841.6	856.5	862.3
135°	632.3	685.9	731.5	766.5	793.4	808.0	811.2
137.5°	606.0	648.7	688.4	720.3	743.4	756.3	761.2
140°	589.1	626.6	662.3	688.4	709.6	721.8	726.6
142.5°	574.1	606.3	636.3	661.0	680.3	691.1	692.1
145°	555.0	580.2	603.7	623.3	637.2	645.2	647.7
147.5°	539.3	559.0	576.3	592.4	603.4	608.9	610.4
150°	528.9	546.0	560.6	572.8	582.6	587.5	588.3
152.5°	520.4	534.9	547.6	557.2	565.7	569.2	569.4
155°	507.0	519.1	528.1	537.0	542.7	546.0	544.4
157.5°	493.3	503.5	510.5	516.8	521.5	523.0	523.0
160°	484.1	493.1	498.8	504.5	508.6	509.4	509.4
162.5°	475.6	483.3	487.7	493.4	496.2	497.0	496.4
165°	463.0	468.7	472.0	475.2	478.4	478.4	477.6
167.5°	451.4	455.3	458.3	459.7	461.5	461.4	460.4
170°	444.3	447.5	449.1	450.0	452.4	451.6	450.0
172.5°	437.7	440.3	441.3	442.1	443.3	442.5	441.5
175°	430.5	431.3	432.1	432.1	432.9	432.1	430.5
177.5°	425.1	425.7	425.7	425.7	425.7	425.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1

(END OF REPORT)