

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: P331675-935

Luminaire Tested: **SA2XXRDIP-C675D330U935-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331675-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 330 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

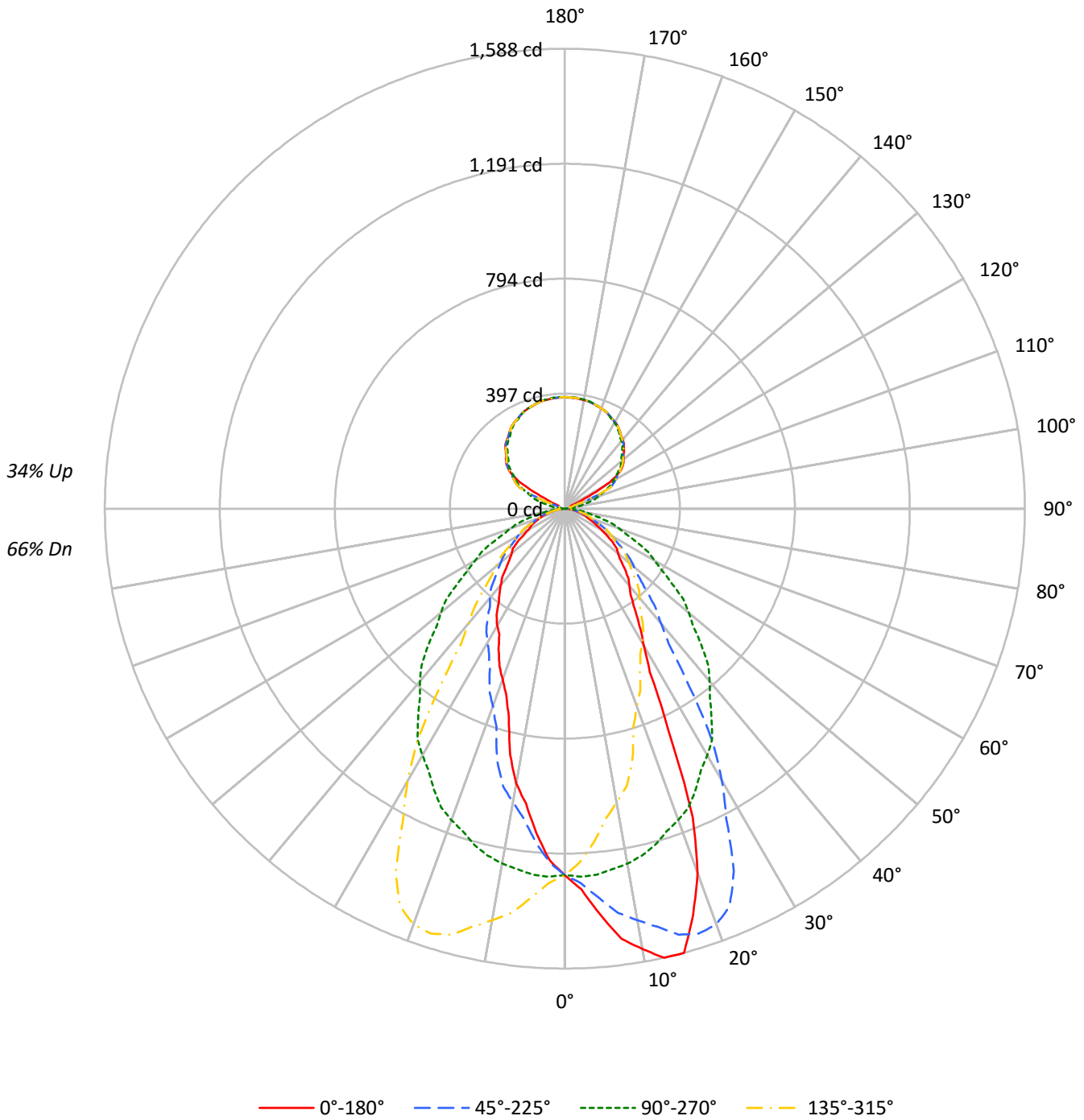
Lumens per Lamp: N/A
Luminaire Lumens: 3314.4 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 35
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	50	30	10	0	
RCR																						
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66				
1	102	98	95	91	96	93	90	87	82	80	78	73	71	70	64	63	62	58				
2	94	87	81	77	88	82	77	73	74	70	66	65	62	60	58	56	54	50				
3	87	78	71	65	81	74	67	62	66	61	57	59	55	52	52	49	47	44				
4	80	70	62	56	75	66	59	54	59	54	50	53	49	46	48	44	42	39				
5	74	63	55	49	70	60	53	47	54	48	44	49	44	40	43	40	37	34				
6	69	57	49	44	65	54	47	42	49	43	39	44	40	36	40	36	33	31				
7	64	52	44	39	60	50	43	38	45	39	35	41	36	33	37	33	30	28				
8	60	48	40	35	56	46	39	34	42	36	32	38	33	30	34	30	28	25				
9	56	44	37	32	53	42	35	31	38	33	29	35	30	27	32	28	25	23				
10	52	41	34	29	50	39	32	28	36	30	26	33	28	25	30	26	23	21				

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	3.6
10°-20°	334.1	10.1
20°-30°	430.5	13.0
30°-40°	409.1	12.3
40°-50°	350.5	10.6
50°-60°	266.9	8.1
60°-70°	168.7	5.1
70°-80°	84.3	2.5
80°-90°	22.9	0.7
90°-100°	12.8	0.4
100°-110°	47.1	1.4
110°-120°	125.8	3.8
120°-130°	207.7	6.3
130°-140°	220.8	6.7
140°-150°	205.3	6.2
150°-160°	165.0	5.0
160°-170°	106.3	3.2
170°-180°	36.6	1.1
0°-30°	884.5	26.7
0°-40°	1293.7	39.0
0°-60°	1911.1	57.7
0°-90°	2186.9	66.0
90°-120°	185.7	5.6
90°-150°	819.5	24.7
90°-180°	1127.0	34.0
0°-180°	3314.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1407	1268	1124	1268	1407	139
15°	1588	1203	744	1203	1588	428
25°	847	1070	540	1070	847	402
35°	418	882	398	882	418	267
45°	290	666	284	666	290	224
55°	201	452	199	452	201	177
65°	105	274	119	274	105	106
75°	55	130	63	130	55	59
85°	16	29	17	29	16	17
90°	8	0	8	0	8	4
95°	12	18	12	18	12	11
105°	21	85	21	85	21	22
115°	23	160	23	160	23	57
125°	238	226	238	226	238	206
135°	289	280	289	280	289	223
145°	330	325	330	325	330	206
155°	358	358	358	358	358	165
165°	376	377	376	377	376	106
175°	383	386	383	386	383	37
180°	385	385	385	385	385	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1316.2	1317.2	1318.4	1315.9	1315.9	1313.7	1309.2	1305.7	1295.8	1294.4	1294.4
5°	1407.3	1406.4	1408.2	1402.5	1394.6	1392.8	1384.4	1373.5	1362.0	1349.3	1346.6
7.5°	1497.8	1496.5	1493.0	1492.0	1485.9	1472.7	1459.2	1444.9	1425.9	1407.4	1398.1
10°	1543.5	1558.1	1549.2	1533.9	1537.0	1516.3	1505.3	1486.4	1470.6	1442.9	1436.8
12.5°	1588.5	1594.2	1591.5	1582.7	1578.7	1564.4	1549.6	1533.2	1504.0	1479.1	1457.5
15°	1588.4	1596.7	1598.9	1596.3	1598.4	1597.6	1589.7	1576.1	1550.6	1523.3	1499.6
17.5°	1471.1	1476.9	1491.3	1501.1	1513.4	1539.4	1552.2	1557.2	1553.4	1537.9	1521.2
20°	1339.6	1329.9	1370.4	1391.0	1408.6	1452.5	1490.3	1504.9	1528.1	1527.7	1523.3
22.5°	1153.2	1155.5	1193.9	1218.4	1269.7	1313.6	1356.8	1411.4	1456.4	1486.2	1503.7
25°	847.4	864.1	902.3	935.7	992.8	1074.6	1148.8	1235.0	1316.3	1380.4	1441.6
27.5°	636.4	637.7	668.0	698.8	732.7	799.7	893.2	996.1	1112.0	1207.6	1317.7
30°	545.0	542.3	555.1	574.0	603.0	654.9	725.1	826.3	941.8	1086.0	1214.4
32.5°	480.3	480.4	490.1	504.0	528.1	563.1	611.2	693.4	802.6	944.3	1094.8
35°	417.5	417.1	424.1	434.2	444.4	466.7	499.7	542.8	617.9	750.2	904.0
37.5°	372.6	374.4	377.9	384.2	395.4	407.9	427.7	456.6	510.1	588.3	717.6
40°	347.2	348.1	352.9	358.2	364.8	374.4	390.7	414.0	453.1	515.6	610.0
42.5°	324.0	324.9	328.3	333.2	338.4	348.1	361.5	381.7	413.4	462.1	540.0
45°	290.1	290.1	293.2	295.3	301.1	309.9	320.8	337.5	359.6	395.5	447.4
47.5°	258.2	258.3	260.4	264.2	267.8	274.6	285.4	299.0	315.0	342.9	387.2
50°	240.0	240.4	241.7	244.8	247.0	253.1	261.5	273.4	290.1	311.6	348.5
52.5°	225.2	224.9	226.6	227.9	229.5	233.8	240.0	250.6	265.4	284.2	314.8
55°	201.3	199.5	202.2	204.4	205.7	207.4	210.9	217.6	230.3	246.2	269.0
57.5°	171.4	170.7	172.5	174.6	178.7	183.5	186.4	190.6	197.3	208.6	231.3
60°	146.8	146.8	150.8	152.1	156.9	163.1	169.2	172.7	179.3	186.8	203.5
62.5°	125.0	125.4	127.2	128.5	131.2	138.8	147.4	155.2	161.4	168.5	179.6
65°	104.6	105.5	105.5	106.3	108.1	109.9	113.4	119.5	130.5	140.6	149.0
67.5°	88.8	89.0	89.3	90.1	90.7	92.6	93.9	96.7	99.3	108.8	119.2
70°	78.3	79.6	79.1	80.0	80.4	81.3	83.1	84.4	88.3	90.6	96.7
72.5°	68.4	69.3	69.2	69.8	70.9	71.1	72.5	73.9	76.4	78.3	81.5
75°	55.4	54.9	55.4	56.2	56.7	57.2	57.2	58.9	60.2	62.0	64.1
77.5°	42.7	43.1	43.0	43.1	43.2	44.0	43.9	44.8	46.1	46.9	48.0
80°	34.3	34.7	34.3	34.7	35.1	35.6	35.1	35.6	36.9	37.8	37.8
82.5°	26.5	26.6	26.9	26.9	27.0	27.1	27.8	27.9	28.8	28.7	29.0
85°	15.8	15.4	15.4	15.4	15.8	16.3	15.8	15.8	16.3	16.3	16.3
87.5°	7.1	7.5	7.4	7.4	7.4	7.3	7.3	7.6	7.1	7.4	7.0
90°	7.5	7.4	7.2	7.1	7.1	6.8	6.5	6.2	5.9	5.6	5.1
92.5°	7.5	7.4	7.4	7.3	7.2	7.1	7.0	6.8	6.6	6.5	6.2
95°	12.0	12.1	12.1	12.1	12.2	12.1	11.8	11.5	11.2	10.8	10.4
97.5°	16.0	15.9	15.8	15.8	15.7	15.5	15.2	15.1	14.8	14.6	13.5
100°	18.7	18.5	18.4	18.3	18.2	17.8	17.4	16.9	16.4	15.8	14.8
102.5°	20.0	19.8	19.6	19.5	19.3	18.9	18.3	17.6	17.0	16.3	25.1
105°	21.2	20.9	20.7	20.4	20.1	19.7	19.0	18.3	17.7	17.0	33.8
107.5°	21.8	21.5	21.3	21.0	20.8	21.0	21.7	22.4	23.1	23.8	44.0
110°	22.0	21.8	21.5	21.3	21.0	23.9	30.1	36.3	42.5	48.7	66.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	22.2	22.0	21.8	21.6	21.4	32.6	55.2	77.7	100.3	122.9	127.3
115°	22.8	27.3	31.8	36.2	40.6	57.2	85.8	114.5	143.1	171.8	170.2
117.5°	93.2	107.9	122.5	137.2	151.8	162.6	169.4	176.4	183.3	190.3	189.2
120°	169.8	178.1	186.5	194.8	203.2	207.0	206.3	205.5	204.8	204.1	202.9
122.5°	211.9	213.5	215.2	216.8	218.3	219.0	218.5	218.1	217.7	217.2	216.0
125°	238.0	237.8	237.6	237.5	237.3	236.9	236.5	236.1	235.7	235.2	234.0
127.5°	254.5	254.4	254.4	254.4	254.3	254.0	253.4	252.8	252.1	251.5	250.6
130°	264.8	264.8	264.8	264.9	265.0	264.7	264.0	263.3	262.6	262.0	261.3
132.5°	274.7	274.8	274.9	274.9	275.0	274.7	274.1	273.6	273.0	272.4	271.7
135°	289.2	289.4	289.5	289.6	289.7	289.5	288.9	288.3	287.7	287.1	286.5
137.5°	302.5	302.6	302.9	303.1	303.2	303.1	302.5	301.9	301.3	300.7	300.1
140°	310.6	311.0	311.3	311.6	311.9	311.8	311.3	310.6	310.1	309.5	308.9
142.5°	318.7	319.0	319.3	319.6	319.9	319.9	319.3	318.8	318.3	317.8	317.0
145°	329.8	330.2	330.5	330.8	331.1	331.1	330.6	330.2	329.8	329.3	328.3
147.5°	339.8	340.0	340.3	340.5	340.8	340.8	340.4	340.1	339.8	339.5	338.5
150°	345.8	346.0	346.4	346.7	347.0	347.0	346.6	346.2	345.9	345.5	344.5
152.5°	350.9	351.3	351.7	352.1	352.5	352.5	352.1	351.8	351.4	351.0	350.1
155°	358.0	358.5	359.0	359.5	360.0	360.1	359.6	359.3	359.0	358.5	357.8
157.5°	364.5	365.0	365.5	365.9	366.4	366.4	366.1	365.7	365.2	364.8	364.3
160°	368.3	368.8	369.2	369.6	370.1	370.1	369.7	369.4	368.9	368.6	368.2
162.5°	371.4	372.0	372.5	373.0	373.6	373.6	373.2	372.7	372.4	372.0	371.6
165°	376.1	376.5	376.9	377.4	377.8	377.8	377.4	376.9	376.5	376.1	375.9
167.5°	379.0	379.6	380.1	380.7	381.3	381.3	380.9	380.5	380.0	379.6	379.4
170°	380.8	381.4	381.9	382.5	383.1	383.1	382.7	382.3	381.9	381.4	381.3
172.5°	382.2	382.7	383.3	383.8	384.4	384.4	384.0	383.6	383.1	382.7	382.6
175°	383.3	383.9	384.6	385.2	385.8	385.9	385.5	385.0	384.6	384.2	384.1
177.5°	384.1	384.5	385.0	385.4	385.8	385.9	385.6	385.2	384.9	384.5	384.4
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1295.1	1292.3	1289.9	1283.5	1280.4	1273.3	1272.3	1272.0	1262.7	1254.0	1251.5
5°	1339.6	1332.6	1322.0	1309.7	1296.9	1283.8	1275.0	1268.0	1250.3	1233.6	1224.0
7.5°	1384.4	1369.3	1351.1	1327.8	1308.4	1286.6	1270.4	1255.9	1231.0	1207.0	1190.9
10°	1417.8	1393.2	1369.1	1337.0	1311.9	1287.3	1264.5	1244.7	1216.5	1184.9	1162.4
12.5°	1438.6	1411.5	1378.2	1346.8	1314.4	1283.1	1252.5	1227.1	1194.0	1161.3	1134.7
15°	1466.6	1437.6	1397.1	1352.4	1310.6	1269.7	1234.6	1202.9	1159.9	1120.8	1088.2
17.5°	1489.5	1449.7	1406.2	1354.4	1306.1	1254.0	1208.8	1168.4	1120.4	1073.2	1034.9
20°	1496.9	1457.4	1407.3	1355.4	1298.3	1237.2	1188.4	1144.4	1093.0	1041.6	997.6
22.5°	1492.4	1461.6	1405.8	1343.8	1285.3	1221.3	1166.2	1115.3	1058.3	1005.7	954.8
25°	1461.4	1450.8	1398.1	1330.3	1263.6	1189.3	1125.6	1069.7	1004.7	948.5	893.0
27.5°	1389.0	1411.8	1379.1	1307.0	1232.7	1153.1	1081.4	1017.9	950.4	887.1	831.9
30°	1319.4	1371.7	1357.6	1290.8	1207.7	1129.5	1049.1	982.7	910.7	845.6	791.1
32.5°	1224.1	1310.5	1324.2	1268.3	1182.4	1096.5	1012.2	946.2	870.9	802.4	749.2
35°	1072.4	1201.6	1260.9	1225.3	1139.2	1046.5	959.4	882.5	806.9	739.3	686.5
37.5°	891.4	1067.4	1166.2	1168.8	1089.7	993.2	898.5	822.2	744.8	678.3	621.3
40°	774.0	964.7	1093.5	1122.1	1055.2	951.1	855.2	777.5	701.9	636.8	571.4
42.5°	668.5	858.5	1016.8	1066.5	1013.4	909.9	813.8	732.5	659.0	597.4	530.5
45°	540.6	706.7	881.2	970.0	940.6	844.7	743.2	665.8	596.8	543.6	479.5
47.5°	456.0	573.1	741.9	862.0	861.5	774.0	674.2	600.1	536.1	486.3	434.3
50°	407.9	509.8	652.6	788.9	800.3	726.9	632.0	558.6	498.9	446.5	404.8
52.5°	364.6	448.7	577.0	707.7	740.2	676.7	584.5	516.8	458.7	410.7	374.9
55°	308.1	373.2	470.7	592.9	642.1	597.3	515.6	452.3	405.2	364.8	334.0
57.5°	260.6	309.4	387.7	486.1	543.4	515.2	447.7	396.3	356.1	319.5	295.2
60°	230.7	270.7	337.1	419.3	482.6	462.8	405.2	357.3	323.0	291.4	268.5
62.5°	202.6	236.9	293.9	360.6	418.6	410.4	363.3	323.2	293.2	264.3	245.0
65°	163.1	188.1	232.5	284.8	331.4	335.4	301.5	274.2	247.5	224.5	207.4
67.5°	129.8	146.2	177.5	221.5	256.4	268.9	248.2	227.4	206.1	188.5	173.6
70°	109.4	122.6	145.5	181.1	213.2	226.4	214.5	198.2	179.8	165.2	152.5
72.5°	88.7	101.5	118.4	144.5	172.0	186.2	182.1	170.5	155.5	143.4	131.4
75°	66.8	70.8	82.2	99.8	121.3	133.6	136.7	130.5	118.6	109.4	102.4
77.5°	49.4	51.7	57.3	66.5	80.5	91.5	96.0	95.3	87.1	81.7	75.2
80°	39.5	40.9	43.5	47.4	58.0	69.0	72.1	72.1	66.4	64.1	57.6
82.5°	30.0	31.0	32.6	34.8	39.7	49.3	52.8	53.5	49.9	46.9	41.8
85°	17.1	16.7	17.6	18.9	19.8	22.4	27.7	28.6	27.7	24.2	22.8
87.5°	6.9	7.1	7.1	6.5	6.8	7.0	8.6	10.2	9.0	8.1	7.5
90°	4.6	4.0	3.6	3.0	2.3	1.6	0.9	0.3	0.9	1.6	2.3
92.5°	5.9	5.7	5.5	5.3	5.4	5.5	5.6	5.6	5.6	5.5	5.4
95°	10.0	9.6	9.1	9.9	12.0	14.0	16.0	18.1	16.0	14.0	12.0
97.5°	12.5	11.5	10.5	12.9	18.7	24.4	30.1	35.9	30.1	24.4	18.7
100°	13.8	12.7	11.6	15.4	23.8	32.3	40.8	49.2	40.8	32.3	23.8
102.5°	33.9	42.7	51.5	56.8	58.6	60.4	62.2	64.0	62.2	60.4	58.6
105°	50.8	67.7	84.6	92.0	90.2	88.3	86.4	84.6	86.4	88.3	90.2
107.5°	64.3	84.6	104.8	114.2	112.7	111.2	109.7	108.1	109.7	111.2	112.7
110°	84.5	102.4	120.2	128.5	127.3	126.0	124.6	123.3	124.6	126.0	127.3



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	131.7	136.1	140.5	142.2	141.0	139.9	138.7	137.6	138.7	139.9	141.0
115°	168.7	167.1	165.6	164.3	163.2	162.2	161.1	160.1	161.1	162.2	163.2
117.5°	188.1	187.1	186.0	184.9	183.7	182.5	181.3	180.2	181.3	182.5	183.7
120°	201.8	200.7	199.6	198.5	197.7	196.7	195.8	194.8	195.8	196.7	197.7
122.5°	214.7	213.5	212.3	211.3	210.3	209.3	208.4	207.3	208.4	209.3	210.3
125°	232.9	231.7	230.6	229.5	228.8	227.9	227.1	226.4	227.1	227.9	228.8
127.5°	249.8	248.8	248.0	247.1	246.2	245.3	244.4	243.5	244.4	245.3	246.2
130°	260.6	259.9	259.2	258.4	257.4	256.4	255.5	254.4	255.5	256.4	257.4
132.5°	271.0	270.4	269.7	269.0	268.1	267.3	266.4	265.6	266.4	267.3	268.1
135°	285.9	285.3	284.8	284.0	283.0	282.1	281.0	280.1	281.0	282.1	283.0
137.5°	299.4	298.8	298.2	297.5	296.8	296.1	295.4	294.7	295.4	296.1	296.8
140°	308.2	307.5	306.9	306.3	305.7	305.2	304.8	304.3	304.8	305.2	305.7
142.5°	316.2	315.5	314.7	314.1	313.7	313.1	312.7	312.3	312.7	313.1	313.7
145°	327.3	326.1	325.1	324.6	324.7	324.8	324.9	324.9	324.9	324.8	324.7
147.5°	337.4	336.3	335.3	334.9	335.1	335.4	335.6	335.9	335.6	335.4	335.1
150°	343.5	342.5	341.6	341.2	341.6	342.1	342.5	342.9	342.5	342.1	341.6
152.5°	349.1	348.2	347.2	347.1	347.5	348.0	348.5	349.0	348.5	348.0	347.5
155°	357.1	356.4	355.6	355.5	356.0	356.6	357.1	357.7	357.1	356.6	356.0
157.5°	363.8	363.3	362.7	362.7	363.2	363.6	364.1	364.5	364.1	363.6	363.2
160°	367.8	367.5	367.1	367.1	367.5	367.8	368.2	368.6	368.2	367.8	367.5
162.5°	371.3	370.9	370.7	370.7	371.0	371.4	371.8	372.1	371.8	371.4	371.0
165°	375.7	375.6	375.4	375.5	375.8	376.2	376.6	376.9	376.6	376.2	375.8
167.5°	379.3	379.1	378.9	379.0	379.4	379.8	380.1	380.5	380.1	379.8	379.4
170°	381.2	381.0	380.9	381.0	381.4	381.8	382.1	382.5	382.1	381.8	381.4
172.5°	382.5	382.4	382.2	382.4	382.7	383.1	383.5	383.8	383.5	383.1	382.7
175°	383.9	383.8	383.7	383.8	384.3	384.7	385.1	385.6	385.1	384.7	384.3
177.5°	384.4	384.4	384.4	384.4	384.8	385.1	385.5	385.8	385.5	385.1	384.8
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1247.0	1244.5	1239.9	1232.9	1228.6	1221.2	1216.3	1219.2	1219.9	1219.2	1218.5
5°	1213.5	1204.2	1191.5	1179.1	1167.8	1155.5	1148.4	1145.3	1139.2	1135.7	1133.9
7.5°	1172.9	1157.0	1139.0	1117.6	1099.3	1080.3	1070.6	1065.7	1053.1	1046.3	1040.3
10°	1142.7	1117.7	1099.7	1071.5	1054.4	1029.3	1012.2	1012.6	995.5	985.8	978.8
12.5°	1109.3	1081.8	1051.8	1026.5	1002.6	982.6	961.9	953.6	935.3	926.0	907.1
15°	1054.0	1021.8	990.2	955.9	931.8	900.5	870.6	834.1	804.7	779.2	772.2
17.5°	993.4	953.7	922.0	881.8	840.3	787.8	753.2	732.0	714.3	700.9	690.8
20°	951.9	911.5	877.7	817.0	761.2	725.7	700.2	683.9	665.4	650.9	643.0
22.5°	908.4	866.2	820.0	752.3	708.9	680.3	657.5	638.9	626.4	615.0	607.9
25°	846.4	800.3	724.3	677.7	642.6	612.7	596.8	585.4	572.2	556.8	549.8
27.5°	781.1	707.7	653.1	618.5	584.9	565.4	551.2	534.2	522.4	515.5	508.2
30°	732.2	658.8	616.2	578.4	554.7	533.1	516.4	506.8	495.3	483.5	478.6
32.5°	677.7	619.1	578.2	546.7	522.6	504.3	491.1	475.4	467.2	459.9	449.8
35°	610.0	565.7	528.3	502.8	479.9	465.0	449.6	440.4	425.4	419.3	415.3
37.5°	552.7	514.2	486.4	459.4	441.3	424.8	415.4	400.7	394.3	385.7	377.4
40°	520.4	482.6	455.7	433.8	413.5	401.2	389.4	377.5	367.8	363.9	353.8
42.5°	487.3	456.6	429.7	405.6	392.1	379.1	364.1	355.4	345.3	339.0	332.7
45°	441.7	414.5	391.6	371.8	356.9	343.3	333.6	319.1	313.4	300.6	295.3
47.5°	401.7	376.3	354.5	335.7	321.1	312.2	298.1	286.7	277.6	269.8	263.0
50°	373.2	352.1	331.0	314.3	301.1	288.3	273.8	268.1	254.0	250.0	246.2
52.5°	347.2	327.1	307.7	291.4	278.2	265.8	253.0	245.6	236.1	232.1	229.3
55°	310.7	291.4	272.9	258.4	245.2	232.5	224.5	215.3	210.9	207.8	204.4
57.5°	274.1	256.8	242.6	227.9	214.6	204.6	195.4	189.9	185.3	181.2	177.0
60°	251.0	234.3	221.5	207.8	194.2	185.9	178.9	172.3	167.0	160.8	159.1
62.5°	226.4	211.7	200.1	186.8	175.0	167.3	160.6	154.4	148.0	139.1	136.6
65°	192.5	181.1	168.8	157.8	147.2	139.7	130.1	123.0	120.5	119.5	119.1
67.5°	162.0	151.1	140.5	129.3	119.7	112.8	107.9	106.8	105.0	104.4	103.2
70°	141.5	131.4	120.9	110.3	101.1	99.8	98.0	96.3	94.0	93.2	92.3
72.5°	123.2	112.8	102.2	93.8	89.8	88.2	86.4	84.6	83.2	82.3	81.7
75°	94.5	84.8	77.8	74.7	72.5	71.2	68.5	67.2	66.4	65.0	64.6
77.5°	68.0	62.6	59.3	57.4	55.1	53.7	52.2	50.9	49.9	49.7	49.0
80°	51.8	49.2	47.0	44.4	43.5	41.8	41.3	40.0	40.5	39.1	39.1
82.5°	40.3	36.9	35.0	33.8	33.0	31.6	31.1	30.5	30.6	29.6	29.6
85°	20.7	19.8	18.9	18.0	18.0	16.7	17.1	16.7	16.7	15.8	15.4
87.5°	7.3	7.1	6.5	6.5	6.6	6.4	6.5	6.2	6.2	6.3	5.9
90°	3.0	3.6	4.0	4.6	5.1	5.6	5.9	6.2	6.5	6.8	7.1
92.5°	5.3	5.5	5.7	5.9	6.2	6.5	6.6	6.8	7.0	7.1	7.2
95°	9.9	9.1	9.6	10.0	10.4	10.8	11.2	11.5	11.8	12.1	12.2
97.5°	12.9	10.5	11.5	12.5	13.5	14.6	14.8	15.1	15.2	15.5	15.7
100°	15.4	11.6	12.7	13.8	14.8	15.8	16.4	16.9	17.4	17.8	18.2
102.5°	56.8	51.5	42.7	33.9	25.1	16.3	17.0	17.6	18.3	18.9	19.3
105°	92.0	84.6	67.7	50.8	33.8	17.0	17.7	18.3	19.0	19.7	20.1
107.5°	114.2	104.8	84.6	64.3	44.0	23.8	23.1	22.4	21.7	21.0	20.8
110°	128.5	120.2	102.4	84.5	66.6	48.7	42.5	36.3	30.1	23.9	21.0



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	142.2	140.5	136.1	131.7	127.3	122.9	100.3	77.7	55.2	32.6	21.4
115°	164.3	165.6	167.1	168.7	170.2	171.8	143.1	114.5	85.8	57.2	40.6
117.5°	184.9	186.0	187.1	188.1	189.2	190.3	183.3	176.4	169.4	162.6	151.8
120°	198.5	199.6	200.7	201.8	202.9	204.1	204.8	205.5	206.3	207.0	203.2
122.5°	211.3	212.3	213.5	214.7	216.0	217.2	217.7	218.1	218.5	219.0	218.3
125°	229.5	230.6	231.7	232.9	234.0	235.2	235.7	236.1	236.5	236.9	237.3
127.5°	247.1	248.0	248.8	249.8	250.6	251.5	252.1	252.8	253.4	254.0	254.3
130°	258.4	259.2	259.9	260.6	261.3	262.0	262.6	263.3	264.0	264.7	265.0
132.5°	269.0	269.7	270.4	271.0	271.7	272.4	273.0	273.6	274.1	274.7	275.0
135°	284.0	284.8	285.3	285.9	286.5	287.1	287.7	288.3	288.9	289.5	289.7
137.5°	297.5	298.2	298.8	299.4	300.1	300.7	301.3	301.9	302.5	303.1	303.2
140°	306.3	306.9	307.5	308.2	308.9	309.5	310.1	310.6	311.3	311.8	311.9
142.5°	314.1	314.7	315.5	316.2	317.0	317.8	318.3	318.8	319.3	319.9	319.9
145°	324.6	325.1	326.1	327.3	328.3	329.3	329.8	330.2	330.6	331.1	331.1
147.5°	334.9	335.3	336.3	337.4	338.5	339.5	339.8	340.1	340.4	340.8	340.8
150°	341.2	341.6	342.5	343.5	344.5	345.5	345.9	346.2	346.6	347.0	347.0
152.5°	347.1	347.2	348.2	349.1	350.1	351.0	351.4	351.8	352.1	352.5	352.5
155°	355.5	355.6	356.4	357.1	357.8	358.5	359.0	359.3	359.6	360.1	360.0
157.5°	362.7	362.7	363.3	363.8	364.3	364.8	365.2	365.7	366.1	366.4	366.4
160°	367.1	367.1	367.5	367.8	368.2	368.6	368.9	369.4	369.7	370.1	370.1
162.5°	370.7	370.7	370.9	371.3	371.6	372.0	372.4	372.7	373.2	373.6	373.6
165°	375.5	375.4	375.6	375.7	375.9	376.1	376.5	376.9	377.4	377.8	377.8
167.5°	379.0	378.9	379.1	379.3	379.4	379.6	380.0	380.5	380.9	381.3	381.3
170°	381.0	380.9	381.0	381.2	381.3	381.4	381.9	382.3	382.7	383.1	383.1
172.5°	382.4	382.2	382.4	382.5	382.6	382.7	383.1	383.6	384.0	384.4	384.4
175°	383.8	383.7	383.8	383.9	384.1	384.2	384.6	385.0	385.5	385.9	385.8
177.5°	384.4	384.4	384.4	384.4	384.4	384.5	384.9	385.2	385.6	385.9	385.8
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



TEST NUMBER: P331675-935
 CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1214.6	1215.3	1214.3	1215.0	1214.3	1215.3	1214.6	1218.5	1219.2	1219.9	1219.2
5°	1131.7	1126.4	1125.6	1124.2	1125.6	1126.4	1131.7	1133.9	1135.7	1139.2	1145.3
7.5°	1032.8	1031.9	1029.8	1026.7	1029.8	1031.9	1032.8	1040.3	1046.3	1053.1	1065.7
10°	969.1	966.9	966.5	963.4	966.5	966.9	969.1	978.8	985.8	995.5	1012.6
12.5°	894.6	880.4	878.9	871.2	878.9	880.4	894.6	907.1	926.0	935.3	953.6
15°	761.6	759.1	750.2	744.5	750.2	759.1	761.6	772.2	779.2	804.7	834.1
17.5°	685.7	677.1	674.3	673.1	674.3	677.1	685.7	690.8	700.9	714.3	732.0
20°	636.8	629.0	627.6	626.7	627.6	629.0	636.8	643.0	650.9	665.4	683.9
22.5°	603.0	594.8	591.4	588.8	591.4	594.8	603.0	607.9	615.0	626.4	638.9
25°	545.4	542.3	540.6	539.7	540.6	542.3	545.4	549.8	556.8	572.2	585.4
27.5°	500.3	493.5	492.2	490.0	492.2	493.5	500.3	508.2	515.5	522.4	534.2
30°	474.7	472.4	469.4	466.7	469.4	472.4	474.7	478.6	483.5	495.3	506.8
32.5°	444.4	442.6	439.9	438.6	439.9	442.6	444.4	449.8	459.9	467.2	475.4
35°	411.0	404.8	402.2	398.2	402.2	404.8	411.0	415.3	419.3	425.4	440.4
37.5°	375.5	372.3	368.6	369.9	368.6	372.3	375.5	377.4	385.7	394.3	400.7
40°	348.1	345.9	345.0	344.6	345.0	345.9	348.1	353.8	363.9	367.8	377.5
42.5°	326.3	320.2	318.0	317.9	318.0	320.2	326.3	332.7	339.0	345.3	355.4
45°	293.2	287.4	283.4	284.0	283.4	287.4	293.2	295.3	300.6	313.4	319.1
47.5°	259.2	259.1	256.6	257.4	256.6	259.1	259.2	263.0	269.8	277.6	286.7
50°	243.1	240.4	238.7	239.1	238.7	240.4	243.1	246.2	250.0	254.0	268.1
52.5°	227.6	225.3	223.9	225.8	223.9	225.3	227.6	229.3	232.1	236.1	245.6
55°	202.2	199.5	199.1	198.6	199.1	199.5	202.2	204.4	207.8	210.9	215.3
57.5°	173.7	172.0	169.4	168.2	169.4	172.0	173.7	177.0	181.2	185.3	189.9
60°	153.3	149.9	145.5	145.0	145.5	149.9	153.3	159.1	160.8	167.0	172.3
62.5°	134.7	134.1	133.2	133.1	133.2	134.1	134.7	136.6	139.1	148.0	154.4
65°	118.2	117.8	118.2	118.6	118.2	117.8	118.2	119.1	119.5	120.5	123.0
67.5°	103.1	102.2	101.4	101.8	101.4	102.2	103.1	103.2	104.4	105.0	106.8
70°	91.4	91.0	90.6	90.6	90.6	91.0	91.4	92.3	93.2	94.0	96.3
72.5°	80.2	80.1	79.6	79.3	79.6	80.1	80.2	81.7	82.3	83.2	84.6
75°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	64.6	65.0	66.4	67.2
77.5°	48.9	48.5	48.0	47.6	48.0	48.5	48.9	49.0	49.7	49.9	50.9
80°	38.7	38.2	37.8	37.8	37.8	38.2	38.7	39.1	39.1	40.5	40.0
82.5°	29.5	29.1	29.0	28.7	29.0	29.1	29.5	29.6	29.6	30.6	30.5
85°	15.8	16.3	15.8	16.7	15.8	16.3	15.8	15.4	15.8	16.7	16.7
87.5°	6.0	5.7	6.0	5.7	6.0	5.7	6.0	5.9	6.3	6.2	6.2
90°	7.1	7.2	7.4	7.5	7.4	7.2	7.1	7.1	6.8	6.5	6.2
92.5°	7.3	7.4	7.4	7.5	7.4	7.4	7.3	7.2	7.1	7.0	6.8
95°	12.1	12.1	12.1	12.0	12.1	12.1	12.1	12.2	12.1	11.8	11.5
97.5°	15.8	15.8	15.9	16.0	15.9	15.8	15.8	15.7	15.5	15.2	15.1
100°	18.3	18.4	18.5	18.7	18.5	18.4	18.3	18.2	17.8	17.4	16.9
102.5°	19.5	19.6	19.8	20.0	19.8	19.6	19.5	19.3	18.9	18.3	17.6
105°	20.4	20.7	20.9	21.2	20.9	20.7	20.4	20.1	19.7	19.0	18.3
107.5°	21.0	21.3	21.5	21.8	21.5	21.3	21.0	20.8	21.0	21.7	22.4
110°	21.3	21.5	21.8	22.0	21.8	21.5	21.3	21.0	23.9	30.1	36.3



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	21.6	21.8	22.0	22.2	22.0	21.8	21.6	21.4	32.6	55.2	77.7
115°	36.2	31.8	27.3	22.8	27.3	31.8	36.2	40.6	57.2	85.8	114.5
117.5°	137.2	122.5	107.9	93.2	107.9	122.5	137.2	151.8	162.6	169.4	176.4
120°	194.8	186.5	178.1	169.8	178.1	186.5	194.8	203.2	207.0	206.3	205.5
122.5°	216.8	215.2	213.5	211.9	213.5	215.2	216.8	218.3	219.0	218.5	218.1
125°	237.5	237.6	237.8	238.0	237.8	237.6	237.5	237.3	236.9	236.5	236.1
127.5°	254.4	254.4	254.4	254.5	254.4	254.4	254.4	254.3	254.0	253.4	252.8
130°	264.9	264.8	264.8	264.8	264.8	264.8	264.9	265.0	264.7	264.0	263.3
132.5°	274.9	274.9	274.8	274.7	274.8	274.9	274.9	275.0	274.7	274.1	273.6
135°	289.6	289.5	289.4	289.2	289.4	289.5	289.6	289.7	289.5	288.9	288.3
137.5°	303.1	302.9	302.6	302.5	302.6	302.9	303.1	303.2	303.1	302.5	301.9
140°	311.6	311.3	311.0	310.6	311.0	311.3	311.6	311.9	311.8	311.3	310.6
142.5°	319.6	319.3	319.0	318.7	319.0	319.3	319.6	319.9	319.9	319.3	318.8
145°	330.8	330.5	330.2	329.8	330.2	330.5	330.8	331.1	331.1	330.6	330.2
147.5°	340.5	340.3	340.0	339.8	340.0	340.3	340.5	340.8	340.8	340.4	340.1
150°	346.7	346.4	346.0	345.8	346.0	346.4	346.7	347.0	347.0	346.6	346.2
152.5°	352.1	351.7	351.3	350.9	351.3	351.7	352.1	352.5	352.5	352.1	351.8
155°	359.5	359.0	358.5	358.0	358.5	359.0	359.5	360.0	360.1	359.6	359.3
157.5°	365.9	365.5	365.0	364.5	365.0	365.5	365.9	366.4	366.4	366.1	365.7
160°	369.6	369.2	368.8	368.3	368.8	369.2	369.6	370.1	370.1	369.7	369.4
162.5°	373.0	372.5	372.0	371.4	372.0	372.5	373.0	373.6	373.6	373.2	372.7
165°	377.4	376.9	376.5	376.1	376.5	376.9	377.4	377.8	377.8	377.4	376.9
167.5°	380.7	380.1	379.6	379.0	379.6	380.1	380.7	381.3	381.3	380.9	380.5
170°	382.5	381.9	381.4	380.8	381.4	381.9	382.5	383.1	383.1	382.7	382.3
172.5°	383.8	383.3	382.7	382.2	382.7	383.3	383.8	384.4	384.4	384.0	383.6
175°	385.2	384.6	383.9	383.3	383.9	384.6	385.2	385.8	385.9	385.5	385.0
177.5°	385.4	385.0	384.5	384.1	384.5	385.0	385.4	385.8	385.9	385.6	385.2
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1216.3	1221.2	1228.6	1232.9	1239.9	1244.5	1247.0	1251.5	1254.0	1262.7	1272.0
5°	1148.4	1155.5	1167.8	1179.1	1191.5	1204.2	1213.5	1224.0	1233.6	1250.3	1268.0
7.5°	1070.6	1080.3	1099.3	1117.6	1139.0	1157.0	1172.9	1190.9	1207.0	1231.0	1255.9
10°	1012.2	1029.3	1054.4	1071.5	1099.7	1117.7	1142.7	1162.4	1184.9	1216.5	1244.7
12.5°	961.9	982.6	1002.6	1026.5	1051.8	1081.8	1109.3	1134.7	1161.3	1194.0	1227.1
15°	870.6	900.5	931.8	955.9	990.2	1021.8	1054.0	1088.2	1120.8	1159.9	1202.9
17.5°	753.2	787.8	840.3	881.8	922.0	953.7	993.4	1034.9	1073.2	1120.4	1168.4
20°	700.2	725.7	761.2	817.0	877.7	911.5	951.9	997.6	1041.6	1093.0	1144.4
22.5°	657.5	680.3	708.9	752.3	820.0	866.2	908.4	954.8	1005.7	1058.3	1115.3
25°	596.8	612.7	642.6	677.7	724.3	800.3	846.4	893.0	948.5	1004.7	1069.7
27.5°	551.2	565.4	584.9	618.5	653.1	707.7	781.1	831.9	887.1	950.4	1017.9
30°	516.4	533.1	554.7	578.4	616.2	658.8	732.2	791.1	845.6	910.7	982.7
32.5°	491.1	504.3	522.6	546.7	578.2	619.1	677.7	749.2	802.4	870.9	946.2
35°	449.6	465.0	479.9	502.8	528.3	565.7	610.0	686.5	739.3	806.9	882.5
37.5°	415.4	424.8	441.3	459.4	486.4	514.2	552.7	621.3	678.3	744.8	822.2
40°	389.4	401.2	413.5	433.8	455.7	482.6	520.4	571.4	636.8	701.9	777.5
42.5°	364.1	379.1	392.1	405.6	429.7	456.6	487.3	530.5	597.4	659.0	732.5
45°	333.6	343.3	356.9	371.8	391.6	414.5	441.7	479.5	543.6	596.8	665.8
47.5°	298.1	312.2	321.1	335.7	354.5	376.3	401.7	434.3	486.3	536.1	600.1
50°	273.8	288.3	301.1	314.3	331.0	352.1	373.2	404.8	446.5	498.9	558.6
52.5°	253.0	265.8	278.2	291.4	307.7	327.1	347.2	374.9	410.7	458.7	516.8
55°	224.5	232.5	245.2	258.4	272.9	291.4	310.7	334.0	364.8	405.2	452.3
57.5°	195.4	204.6	214.6	227.9	242.6	256.8	274.1	295.2	319.5	356.1	396.3
60°	178.9	185.9	194.2	207.8	221.5	234.3	251.0	268.5	291.4	323.0	357.3
62.5°	160.6	167.3	175.0	186.8	200.1	211.7	226.4	245.0	264.3	293.2	323.2
65°	130.1	139.7	147.2	157.8	168.8	181.1	192.5	207.4	224.5	247.5	274.2
67.5°	107.9	112.8	119.7	129.3	140.5	151.1	162.0	173.6	188.5	206.1	227.4
70°	98.0	99.8	101.1	110.3	120.9	131.4	141.5	152.5	165.2	179.8	198.2
72.5°	86.4	88.2	89.8	93.8	102.2	112.8	123.2	131.4	143.4	155.5	170.5
75°	68.5	71.2	72.5	74.7	77.8	84.8	94.5	102.4	109.4	118.6	130.5
77.5°	52.2	53.7	55.1	57.4	59.3	62.6	68.0	75.2	81.7	87.1	95.3
80°	41.3	41.8	43.5	44.4	47.0	49.2	51.8	57.6	64.1	66.4	72.1
82.5°	31.1	31.6	33.0	33.8	35.0	36.9	40.3	41.8	46.9	49.9	53.5
85°	17.1	16.7	18.0	18.0	18.9	19.8	20.7	22.8	24.2	27.7	28.6
87.5°	6.5	6.4	6.6	6.5	6.5	7.1	7.3	7.5	8.1	9.0	10.2
90°	5.9	5.6	5.1	4.6	4.0	3.6	3.0	2.3	1.6	0.9	0.3
92.5°	6.6	6.5	6.2	5.9	5.7	5.5	5.3	5.4	5.5	5.6	5.6
95°	11.2	10.8	10.4	10.0	9.6	9.1	9.9	12.0	14.0	16.0	18.1
97.5°	14.8	14.6	13.5	12.5	11.5	10.5	12.9	18.7	24.4	30.1	35.9
100°	16.4	15.8	14.8	13.8	12.7	11.6	15.4	23.8	32.3	40.8	49.2
102.5°	17.0	16.3	25.1	33.9	42.7	51.5	56.8	58.6	60.4	62.2	64.0
105°	17.7	17.0	33.8	50.8	67.7	84.6	92.0	90.2	88.3	86.4	84.6
107.5°	23.1	23.8	44.0	64.3	84.6	104.8	114.2	112.7	111.2	109.7	108.1
110°	42.5	48.7	66.6	84.5	102.4	120.2	128.5	127.3	126.0	124.6	123.3



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	100.3	122.9	127.3	131.7	136.1	140.5	142.2	141.0	139.9	138.7	137.6
115°	143.1	171.8	170.2	168.7	167.1	165.6	164.3	163.2	162.2	161.1	160.1
117.5°	183.3	190.3	189.2	188.1	187.1	186.0	184.9	183.7	182.5	181.3	180.2
120°	204.8	204.1	202.9	201.8	200.7	199.6	198.5	197.7	196.7	195.8	194.8
122.5°	217.7	217.2	216.0	214.7	213.5	212.3	211.3	210.3	209.3	208.4	207.3
125°	235.7	235.2	234.0	232.9	231.7	230.6	229.5	228.8	227.9	227.1	226.4
127.5°	252.1	251.5	250.6	249.8	248.8	248.0	247.1	246.2	245.3	244.4	243.5
130°	262.6	262.0	261.3	260.6	259.9	259.2	258.4	257.4	256.4	255.5	254.4
132.5°	273.0	272.4	271.7	271.0	270.4	269.7	269.0	268.1	267.3	266.4	265.6
135°	287.7	287.1	286.5	285.9	285.3	284.8	284.0	283.0	282.1	281.0	280.1
137.5°	301.3	300.7	300.1	299.4	298.8	298.2	297.5	296.8	296.1	295.4	294.7
140°	310.1	309.5	308.9	308.2	307.5	306.9	306.3	305.7	305.2	304.8	304.3
142.5°	318.3	317.8	317.0	316.2	315.5	314.7	314.1	313.7	313.1	312.7	312.3
145°	329.8	329.3	328.3	327.3	326.1	325.1	324.6	324.7	324.8	324.9	324.9
147.5°	339.8	339.5	338.5	337.4	336.3	335.3	334.9	335.1	335.4	335.6	335.9
150°	345.9	345.5	344.5	343.5	342.5	341.6	341.2	341.6	342.1	342.5	342.9
152.5°	351.4	351.0	350.1	349.1	348.2	347.2	347.1	347.5	348.0	348.5	349.0
155°	359.0	358.5	357.8	357.1	356.4	355.6	355.5	356.0	356.6	357.1	357.7
157.5°	365.2	364.8	364.3	363.8	363.3	362.7	362.7	363.2	363.6	364.1	364.5
160°	368.9	368.6	368.2	367.8	367.5	367.1	367.1	367.5	367.8	368.2	368.6
162.5°	372.4	372.0	371.6	371.3	370.9	370.7	370.7	371.0	371.4	371.8	372.1
165°	376.5	376.1	375.9	375.7	375.6	375.4	375.5	375.8	376.2	376.6	376.9
167.5°	380.0	379.6	379.4	379.3	379.1	378.9	379.0	379.4	379.8	380.1	380.5
170°	381.9	381.4	381.3	381.2	381.0	380.9	381.0	381.4	381.8	382.1	382.5
172.5°	383.1	382.7	382.6	382.5	382.4	382.2	382.4	382.7	383.1	383.5	383.8
175°	384.6	384.2	384.1	383.9	383.8	383.7	383.8	384.3	384.7	385.1	385.6
177.5°	384.9	384.5	384.4	384.4	384.4	384.4	384.4	384.8	385.1	385.5	385.8
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



TEST NUMBER: P331675-935
 CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1272.3	1273.3	1280.4	1283.5	1289.9	1292.3	1295.1	1294.4	1294.4	1295.8	1305.7
5°	1275.0	1283.8	1296.9	1309.7	1322.0	1332.6	1339.6	1346.6	1349.3	1362.0	1373.5
7.5°	1270.4	1286.6	1308.4	1327.8	1351.1	1369.3	1384.4	1398.1	1407.4	1425.9	1444.9
10°	1264.5	1287.3	1311.9	1337.0	1369.1	1393.2	1417.8	1436.8	1442.9	1470.6	1486.4
12.5°	1252.5	1283.1	1314.4	1346.8	1378.2	1411.5	1438.6	1457.5	1479.1	1504.0	1533.2
15°	1234.6	1269.7	1310.6	1352.4	1397.1	1437.6	1466.6	1499.6	1523.3	1550.6	1576.1
17.5°	1208.8	1254.0	1306.1	1354.4	1406.2	1449.7	1489.5	1521.2	1537.9	1553.4	1557.2
20°	1188.4	1237.2	1298.3	1355.4	1407.3	1457.4	1496.9	1523.3	1527.7	1528.1	1504.9
22.5°	1166.2	1221.3	1285.3	1343.8	1405.8	1461.6	1492.4	1503.7	1486.2	1456.4	1411.4
25°	1125.6	1189.3	1263.6	1330.3	1398.1	1450.8	1461.4	1441.6	1380.4	1316.3	1235.0
27.5°	1081.4	1153.1	1232.7	1307.0	1379.1	1411.8	1389.0	1317.7	1207.6	1112.0	996.1
30°	1049.1	1129.5	1207.7	1290.8	1357.6	1371.7	1319.4	1214.4	1086.0	941.8	826.3
32.5°	1012.2	1096.5	1182.4	1268.3	1324.2	1310.5	1224.1	1094.8	944.3	802.6	693.4
35°	959.4	1046.5	1139.2	1225.3	1260.9	1201.6	1072.4	904.0	750.2	617.9	542.8
37.5°	898.5	993.2	1089.7	1168.8	1166.2	1067.4	891.4	717.6	588.3	510.1	456.6
40°	855.2	951.1	1055.2	1122.1	1093.5	964.7	774.0	610.0	515.6	453.1	414.0
42.5°	813.8	909.9	1013.4	1066.5	1016.8	858.5	668.5	540.0	462.1	413.4	381.7
45°	743.2	844.7	940.6	970.0	881.2	706.7	540.6	447.4	395.5	359.6	337.5
47.5°	674.2	774.0	861.5	862.0	741.9	573.1	456.0	387.2	342.9	315.0	299.0
50°	632.0	726.9	800.3	788.9	652.6	509.8	407.9	348.5	311.6	290.1	273.4
52.5°	584.5	676.7	740.2	707.7	577.0	448.7	364.6	314.8	284.2	265.4	250.6
55°	515.6	597.3	642.1	592.9	470.7	373.2	308.1	269.0	246.2	230.3	217.6
57.5°	447.7	515.2	543.4	486.1	387.7	309.4	260.6	231.3	208.6	197.3	190.6
60°	405.2	462.8	482.6	419.3	337.1	270.7	230.7	203.5	186.8	179.3	172.7
62.5°	363.3	410.4	418.6	360.6	293.9	236.9	202.6	179.6	168.5	161.4	155.2
65°	301.5	335.4	331.4	284.8	232.5	188.1	163.1	149.0	140.6	130.5	119.5
67.5°	248.2	268.9	256.4	221.5	177.5	146.2	129.8	119.2	108.8	99.3	96.7
70°	214.5	226.4	213.2	181.1	145.5	122.6	109.4	96.7	90.6	88.3	84.4
72.5°	182.1	186.2	172.0	144.5	118.4	101.5	88.7	81.5	78.3	76.4	73.9
75°	136.7	133.6	121.3	99.8	82.2	70.8	66.8	64.1	62.0	60.2	58.9
77.5°	96.0	91.5	80.5	66.5	57.3	51.7	49.4	48.0	46.9	46.1	44.8
80°	72.1	69.0	58.0	47.4	43.5	40.9	39.5	37.8	37.8	36.9	35.6
82.5°	52.8	49.3	39.7	34.8	32.6	31.0	30.0	29.0	28.7	28.8	27.9
85°	27.7	22.4	19.8	18.9	17.6	16.7	17.1	16.3	16.3	16.3	15.8
87.5°	8.6	7.0	6.8	6.5	7.1	7.1	6.9	7.0	7.4	7.1	7.6
90°	0.9	1.6	2.3	3.0	3.6	4.0	4.6	5.1	5.6	5.9	6.2
92.5°	5.6	5.5	5.4	5.3	5.5	5.7	5.9	6.2	6.5	6.6	6.8
95°	16.0	14.0	12.0	9.9	9.1	9.6	10.0	10.4	10.8	11.2	11.5
97.5°	30.1	24.4	18.7	12.9	10.5	11.5	12.5	13.5	14.6	14.8	15.1
100°	40.8	32.3	23.8	15.4	11.6	12.7	13.8	14.8	15.8	16.4	16.9
102.5°	62.2	60.4	58.6	56.8	51.5	42.7	33.9	25.1	16.3	17.0	17.6
105°	86.4	88.3	90.2	92.0	84.6	67.7	50.8	33.8	17.0	17.7	18.3
107.5°	109.7	111.2	112.7	114.2	104.8	84.6	64.3	44.0	23.8	23.1	22.4
110°	124.6	126.0	127.3	128.5	120.2	102.4	84.5	66.6	48.7	42.5	36.3



TEST NUMBER: P331675-935

CATALOG NUMBER: SA2XXRDIP-C675D330U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	138.7	139.9	141.0	142.2	140.5	136.1	131.7	127.3	122.9	100.3	77.7
115°	161.1	162.2	163.2	164.3	165.6	167.1	168.7	170.2	171.8	143.1	114.5
117.5°	181.3	182.5	183.7	184.9	186.0	187.1	188.1	189.2	190.3	183.3	176.4
120°	195.8	196.7	197.7	198.5	199.6	200.7	201.8	202.9	204.1	204.8	205.5
122.5°	208.4	209.3	210.3	211.3	212.3	213.5	214.7	216.0	217.2	217.7	218.1
125°	227.1	227.9	228.8	229.5	230.6	231.7	232.9	234.0	235.2	235.7	236.1
127.5°	244.4	245.3	246.2	247.1	248.0	248.8	249.8	250.6	251.5	252.1	252.8
130°	255.5	256.4	257.4	258.4	259.2	259.9	260.6	261.3	262.0	262.6	263.3
132.5°	266.4	267.3	268.1	269.0	269.7	270.4	271.0	271.7	272.4	273.0	273.6
135°	281.0	282.1	283.0	284.0	284.8	285.3	285.9	286.5	287.1	287.7	288.3
137.5°	295.4	296.1	296.8	297.5	298.2	298.8	299.4	300.1	300.7	301.3	301.9
140°	304.8	305.2	305.7	306.3	306.9	307.5	308.2	308.9	309.5	310.1	310.6
142.5°	312.7	313.1	313.7	314.1	314.7	315.5	316.2	317.0	317.8	318.3	318.8
145°	324.9	324.8	324.7	324.6	325.1	326.1	327.3	328.3	329.3	329.8	330.2
147.5°	335.6	335.4	335.1	334.9	335.3	336.3	337.4	338.5	339.5	339.8	340.1
150°	342.5	342.1	341.6	341.2	341.6	342.5	343.5	344.5	345.5	345.9	346.2
152.5°	348.5	348.0	347.5	347.1	347.2	348.2	349.1	350.1	351.0	351.4	351.8
155°	357.1	356.6	356.0	355.5	355.6	356.4	357.1	357.8	358.5	359.0	359.3
157.5°	364.1	363.6	363.2	362.7	362.7	363.3	363.8	364.3	364.8	365.2	365.7
160°	368.2	367.8	367.5	367.1	367.1	367.5	367.8	368.2	368.6	368.9	369.4
162.5°	371.8	371.4	371.0	370.7	370.7	370.9	371.3	371.6	372.0	372.4	372.7
165°	376.6	376.2	375.8	375.5	375.4	375.6	375.7	375.9	376.1	376.5	376.9
167.5°	380.1	379.8	379.4	379.0	378.9	379.1	379.3	379.4	379.6	380.0	380.5
170°	382.1	381.8	381.4	381.0	380.9	381.0	381.2	381.3	381.4	381.9	382.3
172.5°	383.5	383.1	382.7	382.4	382.2	382.4	382.5	382.6	382.7	383.1	383.6
175°	385.1	384.7	384.3	383.8	383.7	383.8	383.9	384.1	384.2	384.6	385.0
177.5°	385.5	385.1	384.8	384.4	384.4	384.4	384.4	384.4	384.5	384.9	385.2
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1309.2	1313.7	1315.9	1315.9	1318.4	1317.2	1316.2
5°	1384.4	1392.8	1394.6	1402.5	1408.2	1406.4	1407.3
7.5°	1459.2	1472.7	1485.9	1492.0	1493.0	1496.5	1497.8
10°	1505.3	1516.3	1537.0	1533.9	1549.2	1558.1	1543.5
12.5°	1549.6	1564.4	1578.7	1582.7	1591.5	1594.2	1588.5
15°	1589.7	1597.6	1598.4	1596.3	1598.9	1596.7	1588.4
17.5°	1552.2	1539.4	1513.4	1501.1	1491.3	1476.9	1471.1
20°	1490.3	1452.5	1408.6	1391.0	1370.4	1329.9	1339.6
22.5°	1356.8	1313.6	1269.7	1218.4	1193.9	1155.5	1153.2
25°	1148.8	1074.6	992.8	935.7	902.3	864.1	847.4
27.5°	893.2	799.7	732.7	698.8	668.0	637.7	636.4
30°	725.1	654.9	603.0	574.0	555.1	542.3	545.0
32.5°	611.2	563.1	528.1	504.0	490.1	480.4	480.3
35°	499.7	466.7	444.4	434.2	424.1	417.1	417.5
37.5°	427.7	407.9	395.4	384.2	377.9	374.4	372.6
40°	390.7	374.4	364.8	358.2	352.9	348.1	347.2
42.5°	361.5	348.1	338.4	333.2	328.3	324.9	324.0
45°	320.8	309.9	301.1	295.3	293.2	290.1	290.1
47.5°	285.4	274.6	267.8	264.2	260.4	258.3	258.2
50°	261.5	253.1	247.0	244.8	241.7	240.4	240.0
52.5°	240.0	233.8	229.5	227.9	226.6	224.9	225.2
55°	210.9	207.4	205.7	204.4	202.2	199.5	201.3
57.5°	186.4	183.5	178.7	174.6	172.5	170.7	171.4
60°	169.2	163.1	156.9	152.1	150.8	146.8	146.8
62.5°	147.4	138.8	131.2	128.5	127.2	125.4	125.0
65°	113.4	109.9	108.1	106.3	105.5	105.5	104.6
67.5°	93.9	92.6	90.7	90.1	89.3	89.0	88.8
70°	83.1	81.3	80.4	80.0	79.1	79.6	78.3
72.5°	72.5	71.1	70.9	69.8	69.2	69.3	68.4
75°	57.2	57.2	56.7	56.2	55.4	54.9	55.4
77.5°	43.9	44.0	43.2	43.1	43.0	43.1	42.7
80°	35.1	35.6	35.1	34.7	34.3	34.7	34.3
82.5°	27.8	27.1	27.0	26.9	26.9	26.6	26.5
85°	15.8	16.3	15.8	15.4	15.4	15.4	15.8
87.5°	7.3	7.3	7.4	7.4	7.4	7.5	7.1
90°	6.5	6.8	7.1	7.1	7.2	7.4	7.5
92.5°	7.0	7.1	7.2	7.3	7.4	7.4	7.5
95°	11.8	12.1	12.2	12.1	12.1	12.1	12.0
97.5°	15.2	15.5	15.7	15.8	15.8	15.9	16.0
100°	17.4	17.8	18.2	18.3	18.4	18.5	18.7
102.5°	18.3	18.9	19.3	19.5	19.6	19.8	20.0
105°	19.0	19.7	20.1	20.4	20.7	20.9	21.2
107.5°	21.7	21.0	20.8	21.0	21.3	21.5	21.8
110°	30.1	23.9	21.0	21.3	21.5	21.8	22.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	55.2	32.6	21.4	21.6	21.8	22.0	22.2
115°	85.8	57.2	40.6	36.2	31.8	27.3	22.8
117.5°	169.4	162.6	151.8	137.2	122.5	107.9	93.2
120°	206.3	207.0	203.2	194.8	186.5	178.1	169.8
122.5°	218.5	219.0	218.3	216.8	215.2	213.5	211.9
125°	236.5	236.9	237.3	237.5	237.6	237.8	238.0
127.5°	253.4	254.0	254.3	254.4	254.4	254.4	254.5
130°	264.0	264.7	265.0	264.9	264.8	264.8	264.8
132.5°	274.1	274.7	275.0	274.9	274.9	274.8	274.7
135°	288.9	289.5	289.7	289.6	289.5	289.4	289.2
137.5°	302.5	303.1	303.2	303.1	302.9	302.6	302.5
140°	311.3	311.8	311.9	311.6	311.3	311.0	310.6
142.5°	319.3	319.9	319.9	319.6	319.3	319.0	318.7
145°	330.6	331.1	331.1	330.8	330.5	330.2	329.8
147.5°	340.4	340.8	340.8	340.5	340.3	340.0	339.8
150°	346.6	347.0	347.0	346.7	346.4	346.0	345.8
152.5°	352.1	352.5	352.5	352.1	351.7	351.3	350.9
155°	359.6	360.1	360.0	359.5	359.0	358.5	358.0
157.5°	366.1	366.4	366.4	365.9	365.5	365.0	364.5
160°	369.7	370.1	370.1	369.6	369.2	368.8	368.3
162.5°	373.2	373.6	373.6	373.0	372.5	372.0	371.4
165°	377.4	377.8	377.8	377.4	376.9	376.5	376.1
167.5°	380.9	381.3	381.3	380.7	380.1	379.6	379.0
170°	382.7	383.1	383.1	382.5	381.9	381.4	380.8
172.5°	384.0	384.4	384.4	383.8	383.3	382.7	382.2
175°	385.5	385.9	385.8	385.2	384.6	383.9	383.3
177.5°	385.6	385.9	385.8	385.4	385.0	384.5	384.1
180°	384.7	384.7	384.7	384.7	384.7	384.7	384.7

(END OF REPORT)