

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: P331683-935

Luminaire Tested: **SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331683-935
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-C675D530U935-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

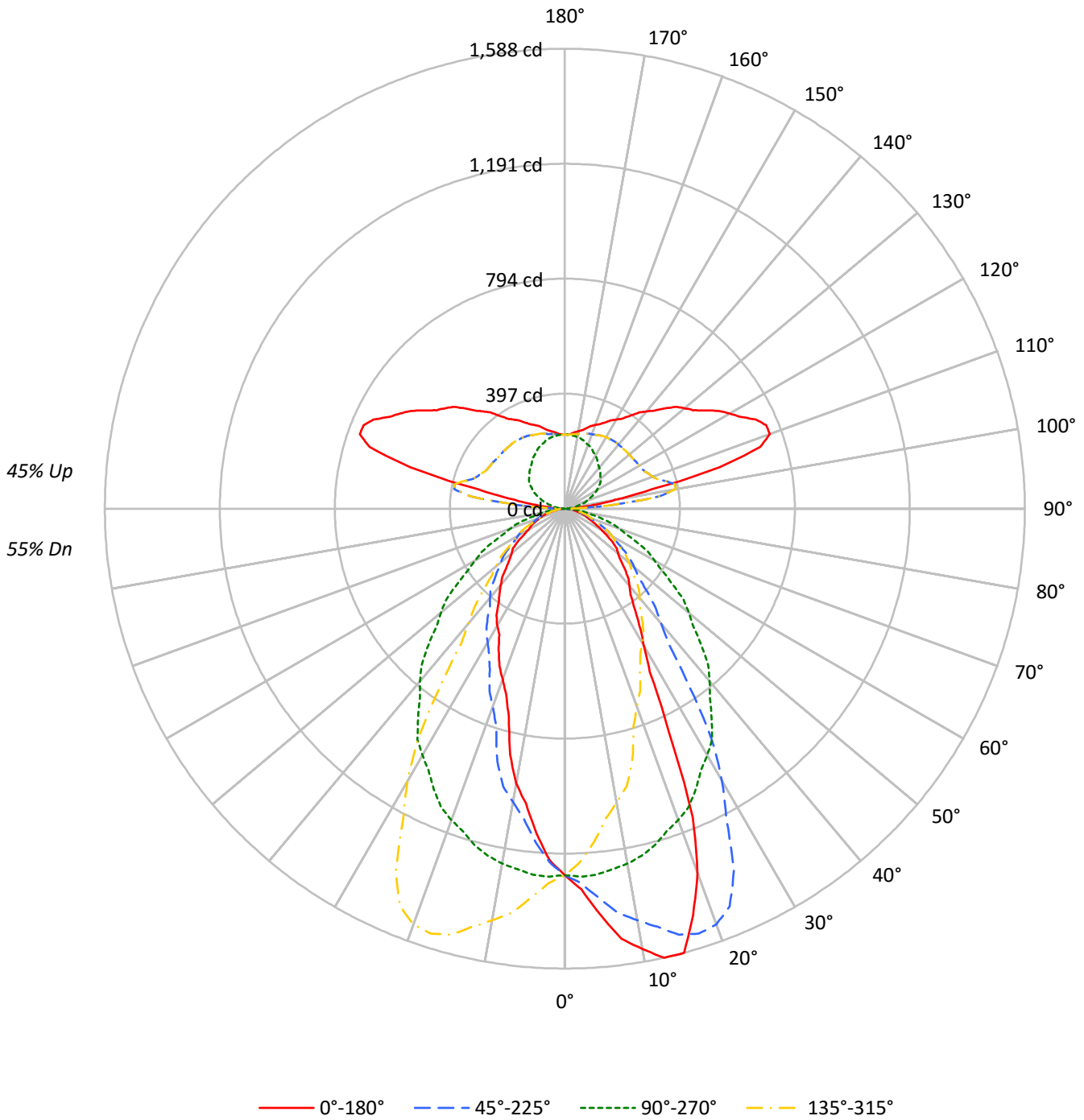
Lumens per Lamp: N/A
Luminaire Lumens: 3965.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 40.3
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55				
1	100	96	92	89	93	89	86	83	77	75	73	66	64	62	55	54	53	48				
2	92	85	79	74	85	79	74	70	68	65	62	59	56	54	50	48	46	42				
3	84	75	68	63	78	70	64	59	61	57	53	53	49	46	45	42	40	37				
4	78	67	60	54	72	63	56	51	55	50	46	48	44	41	41	38	36	32				
5	72	61	53	47	67	57	50	45	50	44	40	43	39	36	37	34	32	29				
6	66	55	47	42	62	52	45	40	45	40	36	40	35	32	34	31	28	26				
7	62	50	42	37	57	47	40	35	42	36	32	36	32	29	32	28	26	23				
8	57	46	38	33	54	43	36	32	38	33	29	34	29	26	29	26	23	21				
9	54	42	35	30	50	40	33	29	35	30	26	31	27	24	27	24	21	19				
10	50	39	32	27	47	37	30	26	33	28	24	29	25	22	25	22	20	18				

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	3.0
10°-20°	334.1	8.4
20°-30°	430.5	10.9
30°-40°	409.1	10.3
40°-50°	350.5	8.8
50°-60°	266.9	6.7
60°-70°	168.7	4.3
70°-80°	84.3	2.1
80°-90°	24.2	0.6
90°-100°	102.1	2.6
100°-110°	346.4	8.7
110°-120°	368.0	9.3
120°-130°	303.0	7.6
130°-140°	243.3	6.1
140°-150°	183.9	4.6
150°-160°	129.2	3.3
160°-170°	76.1	1.9
170°-180°	24.8	0.6
0°-30°	884.5	22.3
0°-40°	1293.7	32.6
0°-60°	1911.1	48.2
0°-90°	2188.3	55.2
90°-120°	816.6	20.6
90°-150°	1546.7	39.0
90°-180°	1777.0	44.8
0°-180°	3965.0	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°	16	0	16	0	16	9
95°	56	17	56	17	56	73
105°	553	60	553	60	553	535
115°	728	106	728	106	728	713
125°	591	147	591	147	591	534
135°	490	173	490	173	490	380
145°	391	197	391	197	391	248
155°	328	224	328	224	328	153
165°	288	244	288	244	288	82
175°	260	255	260	255	260	25
180°	255	255	255	255	255	



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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°	8.9	9.2	9.2	9.2	9.2	9.1	9.0	9.5	9.2	9.6	9.2
90°	16.2	16.2	16.2	16.2	16.2	15.7	14.7	15.7	16.2	16.7	16.2
92.5°	27.2	28.0	27.6	29.2	29.5	32.6	36.8	42.8	53.9	63.8	62.9
95°	56.0	55.4	57.0	60.9	67.2	78.1	98.7	128.6	168.4	192.5	170.4
97.5°	110.2	114.3	121.5	133.5	157.0	192.5	245.6	300.2	344.7	328.6	247.5
100°	175.8	184.6	198.9	220.0	260.7	320.1	387.4	448.3	458.6	387.9	267.1
102.5°	309.4	321.3	339.1	375.1	419.4	482.4	531.6	545.4	501.0	389.9	259.7
105°	553.4	560.3	581.3	611.8	642.2	658.5	652.0	596.6	494.5	363.9	245.0
107.5°	706.9	716.0	720.2	721.9	718.1	694.3	643.3	559.6	451.3	336.0	237.7
110°	753.2	753.7	749.3	739.9	718.8	678.6	615.7	527.9	424.2	322.6	236.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	752.4	749.8	741.4	725.8	696.5	650.3	583.2	498.8	405.4	313.9	236.6
115°	728.1	723.8	711.0	688.4	653.6	603.0	538.6	463.0	382.0	304.4	238.7
117.5°	684.8	681.1	667.7	643.9	608.3	560.9	502.5	436.1	367.3	299.8	242.2
120°	656.9	652.0	637.8	614.8	580.4	535.7	483.6	422.8	359.5	297.0	244.5
122.5°	627.9	623.8	611.1	588.4	557.6	517.2	468.0	412.2	352.8	295.5	247.3
125°	590.7	586.8	574.5	555.9	527.4	490.5	447.3	396.7	343.2	292.7	251.4
127.5°	558.1	554.9	544.3	526.8	502.0	468.0	427.3	381.5	334.4	291.0	255.6
130°	539.6	535.7	525.9	509.2	485.1	452.7	414.0	371.7	328.5	290.2	258.7
132.5°	520.4	516.9	507.8	491.1	467.4	437.0	401.4	362.3	323.7	289.8	261.9
135°	489.6	487.6	478.7	462.5	441.4	414.0	381.5	349.1	317.2	289.2	265.6
137.5°	459.3	456.3	448.6	434.6	415.4	391.4	365.8	338.6	312.5	289.1	269.0
140°	438.5	435.5	428.2	415.4	399.7	378.1	355.5	331.9	309.9	288.7	270.5
142.5°	417.7	417.1	410.5	398.9	384.0	365.9	346.5	326.4	307.1	288.7	271.7
145°	390.8	389.3	384.4	376.1	364.4	350.1	334.8	318.7	303.4	287.7	273.0
147.5°	368.3	367.5	364.1	357.5	347.8	337.3	325.5	312.7	299.7	285.9	273.4
150°	355.0	354.5	351.5	345.7	338.3	329.5	319.2	308.3	296.6	284.8	273.0
152.5°	343.6	343.5	341.4	336.2	330.5	322.8	314.1	304.0	293.9	282.8	272.2
155°	328.5	329.5	327.5	324.1	318.7	313.2	305.9	298.1	288.7	279.4	271.0
157.5°	315.6	315.6	314.8	311.9	308.1	303.8	297.6	291.1	283.9	275.9	268.8
160°	307.4	307.4	306.9	304.4	301.0	297.6	292.1	286.7	280.3	273.5	267.6
162.5°	299.5	299.9	299.5	297.7	294.3	291.7	287.1	282.4	277.2	271.6	266.4
165°	288.3	288.7	288.7	286.7	284.8	282.8	279.4	276.0	272.0	267.6	264.2
167.5°	277.8	278.4	278.5	277.4	276.6	274.7	272.4	269.8	266.9	264.2	261.9
170°	271.6	272.5	273.0	271.6	271.0	270.1	268.1	266.7	264.2	262.2	260.7
172.5°	266.4	267.0	267.5	266.8	266.3	265.7	264.2	263.1	261.4	259.8	259.2
175°	259.8	260.7	261.2	260.7	260.7	260.3	259.8	259.2	257.8	257.3	256.8
177.5°	255.7	256.5	256.9	256.9	256.9	256.9	256.5	256.5	255.7	255.3	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



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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°	8.6	8.3	7.8	7.1	7.3	7.5	8.9	10.3	9.2	8.5	8.0
90°	13.3	9.8	7.4	5.9	4.9	4.0	2.0	0.5	2.0	4.0	4.9
92.5°	49.0	33.4	22.3	17.7	14.4	12.1	8.6	6.0	8.6	12.1	14.4
95°	113.4	70.7	48.1	36.3	28.5	24.0	19.1	17.2	19.1	24.0	28.5
97.5°	152.8	93.3	64.9	51.6	42.5	35.8	30.7	28.0	30.7	35.8	42.5
100°	161.1	101.2	75.2	61.4	51.6	43.7	39.3	37.8	39.3	43.7	51.6
102.5°	161.4	108.2	84.1	70.4	60.2	52.3	48.0	46.8	48.0	52.3	60.2
105°	164.0	120.3	97.2	83.4	72.7	65.3	61.9	59.9	61.9	65.3	72.7
107.5°	170.7	132.7	110.3	96.4	85.8	79.0	75.6	74.0	75.6	79.0	85.8
110°	176.2	140.9	119.3	105.0	94.8	88.4	85.4	83.4	85.4	88.4	94.8



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	182.2	148.8	127.9	113.3	103.4	97.4	94.1	92.1	94.1	97.4	103.4
115°	191.0	161.1	139.9	126.7	116.8	111.0	108.1	105.6	108.1	111.0	116.8
117.5°	200.4	172.4	152.8	139.1	129.7	124.4	121.5	119.5	121.5	124.4	129.7
120°	206.7	180.2	161.1	147.3	137.5	133.0	130.1	128.1	130.1	133.0	137.5
122.5°	212.2	187.7	169.7	155.6	145.8	140.9	138.0	136.4	138.0	140.9	145.8
125°	220.9	198.9	181.2	167.5	157.6	151.7	148.8	147.3	148.8	151.7	157.6
127.5°	229.1	209.3	192.1	178.0	168.5	162.0	157.9	155.9	157.9	162.0	168.5
130°	234.2	215.6	198.4	184.6	174.8	167.9	163.0	161.1	163.0	167.9	174.8
132.5°	239.4	221.0	204.7	190.9	180.7	173.4	168.2	165.7	168.2	173.4	180.7
135°	246.0	228.9	213.1	199.3	188.0	180.7	174.8	172.8	174.8	180.7	188.0
137.5°	251.1	235.1	219.6	206.8	195.6	187.8	181.8	179.5	181.8	187.8	195.6
140°	253.8	238.7	223.9	211.1	200.4	192.5	186.6	184.6	186.6	192.5	200.4
142.5°	256.2	241.4	227.0	215.1	204.7	196.8	191.3	189.8	191.3	196.8	204.7
145°	259.2	245.5	232.2	221.4	211.6	204.2	199.3	197.4	199.3	204.2	211.6
147.5°	261.0	248.8	236.3	226.8	218.6	211.8	207.1	205.6	207.1	211.8	218.6
150°	261.7	250.4	239.1	230.3	222.9	216.5	212.6	211.1	212.6	216.5	222.9
152.5°	262.1	252.0	241.9	233.8	226.9	221.3	217.3	216.6	217.3	221.3	226.9
155°	262.7	254.3	246.0	238.7	233.2	227.8	224.9	224.4	224.9	227.8	233.2
157.5°	262.7	256.0	248.9	242.8	238.4	233.8	231.4	230.8	231.4	233.8	238.4
160°	262.7	256.8	250.9	245.5	241.6	237.6	235.7	235.2	235.7	237.6	241.6
162.5°	262.3	257.2	252.1	247.9	244.4	241.2	239.2	239.5	239.2	241.2	244.4
165°	261.2	257.8	253.4	250.4	248.0	245.0	244.0	244.5	244.0	245.0	248.0
167.5°	260.5	257.7	254.4	252.6	250.8	248.9	248.1	248.7	248.1	248.9	250.8
170°	259.8	257.3	254.9	253.4	252.4	250.9	250.4	251.4	250.4	250.9	252.4
172.5°	258.6	256.9	255.2	254.2	253.6	252.1	252.4	253.0	252.4	252.1	253.6
175°	257.3	256.3	255.3	254.9	254.9	253.8	254.3	254.9	254.3	253.8	254.9
177.5°	256.5	255.7	255.3	255.3	255.3	254.5	254.9	255.7	254.9	254.5	255.3
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

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°	7.8	7.8	7.6	8.3	8.9	8.6	8.5	8.1	7.8	8.1	7.8
90°	5.9	7.4	9.8	13.3	16.2	16.7	16.2	15.7	14.7	15.7	16.2
92.5°	17.7	22.3	33.4	49.0	62.9	63.8	53.9	42.8	36.8	32.6	29.5
95°	36.3	48.1	70.7	113.4	170.4	192.5	168.4	128.6	98.7	78.1	67.2
97.5°	51.6	64.9	93.3	152.8	247.5	328.6	344.7	300.2	245.6	192.5	157.0
100°	61.4	75.2	101.2	161.1	267.1	387.9	458.6	448.3	387.4	320.1	260.7
102.5°	70.4	84.1	108.2	161.4	259.7	389.9	501.0	545.4	531.6	482.4	419.4
105°	83.4	97.2	120.3	164.0	245.0	363.9	494.5	596.6	652.0	658.5	642.2
107.5°	96.4	110.3	132.7	170.7	237.7	336.0	451.3	559.6	643.3	694.3	718.1
110°	105.0	119.3	140.9	176.2	236.2	322.6	424.2	527.9	615.7	678.6	718.8



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	113.3	127.9	148.8	182.2	236.6	313.9	405.4	498.8	583.2	650.3	696.5
115°	126.7	139.9	161.1	191.0	238.7	304.4	382.0	463.0	538.6	603.0	653.6
117.5°	139.1	152.8	172.4	200.4	242.2	299.8	367.3	436.1	502.5	560.9	608.3
120°	147.3	161.1	180.2	206.7	244.5	297.0	359.5	422.8	483.6	535.7	580.4
122.5°	155.6	169.7	187.7	212.2	247.3	295.5	352.8	412.2	468.0	517.2	557.6
125°	167.5	181.2	198.9	220.9	251.4	292.7	343.2	396.7	447.3	490.5	527.4
127.5°	178.0	192.1	209.3	229.1	255.6	291.0	334.4	381.5	427.3	468.0	502.0
130°	184.6	198.4	215.6	234.2	258.7	290.2	328.5	371.7	414.0	452.7	485.1
132.5°	190.9	204.7	221.0	239.4	261.9	289.8	323.7	362.3	401.4	437.0	467.4
135°	199.3	213.1	228.9	246.0	265.6	289.2	317.2	349.1	381.5	414.0	441.4
137.5°	206.8	219.6	235.1	251.1	269.0	289.1	312.5	338.6	365.8	391.4	415.4
140°	211.1	223.9	238.7	253.8	270.5	288.7	309.9	331.9	355.5	378.1	399.7
142.5°	215.1	227.0	241.4	256.2	271.7	288.7	307.1	326.4	346.5	365.9	384.0
145°	221.4	232.2	245.5	259.2	273.0	287.7	303.4	318.7	334.8	350.1	364.4
147.5°	226.8	236.3	248.8	261.0	273.4	285.9	299.7	312.7	325.5	337.3	347.8
150°	230.3	239.1	250.4	261.7	273.0	284.8	296.6	308.3	319.2	329.5	338.3
152.5°	233.8	241.9	252.0	262.1	272.2	282.8	293.9	304.0	314.1	322.8	330.5
155°	238.7	246.0	254.3	262.7	271.0	279.4	288.7	298.1	305.9	313.2	318.7
157.5°	242.8	248.9	256.0	262.7	268.8	275.9	283.9	291.1	297.6	303.8	308.1
160°	245.5	250.9	256.8	262.7	267.6	273.5	280.3	286.7	292.1	297.6	301.0
162.5°	247.9	252.1	257.2	262.3	266.4	271.6	277.2	282.4	287.1	291.7	294.3
165°	250.4	253.4	257.8	261.2	264.2	267.6	272.0	276.0	279.4	282.8	284.8
167.5°	252.6	254.4	257.7	260.5	261.9	264.2	266.9	269.8	272.4	274.7	276.6
170°	253.4	254.9	257.3	259.8	260.7	262.2	264.2	266.7	268.1	270.1	271.0
172.5°	254.2	255.2	256.9	258.6	259.2	259.8	261.4	263.1	264.2	265.7	266.3
175°	254.9	255.3	256.3	257.3	256.8	257.3	257.8	259.2	259.8	260.3	260.7
177.5°	255.3	255.3	255.7	256.5	255.7	255.3	255.7	256.5	256.5	256.9	256.9
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

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°	7.8	7.5	7.8	7.5	7.8	7.5	7.8	7.8	8.1	7.8	8.1
90°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.7	14.7	15.7
92.5°	29.2	27.6	28.0	27.2	28.0	27.6	29.2	29.5	32.6	36.8	42.8
95°	60.9	57.0	55.4	56.0	55.4	57.0	60.9	67.2	78.1	98.7	128.6
97.5°	133.5	121.5	114.3	110.2	114.3	121.5	133.5	157.0	192.5	245.6	300.2
100°	220.0	198.9	184.6	175.8	184.6	198.9	220.0	260.7	320.1	387.4	448.3
102.5°	375.1	339.1	321.3	309.4	321.3	339.1	375.1	419.4	482.4	531.6	545.4
105°	611.8	581.3	560.3	553.4	560.3	581.3	611.8	642.2	658.5	652.0	596.6
107.5°	721.9	720.2	716.0	706.9	716.0	720.2	721.9	718.1	694.3	643.3	559.6
110°	739.9	749.3	753.7	753.2	753.7	749.3	739.9	718.8	678.6	615.7	527.9



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	725.8	741.4	749.8	752.4	749.8	741.4	725.8	696.5	650.3	583.2	498.8
115°	688.4	711.0	723.8	728.1	723.8	711.0	688.4	653.6	603.0	538.6	463.0
117.5°	643.9	667.7	681.1	684.8	681.1	667.7	643.9	608.3	560.9	502.5	436.1
120°	614.8	637.8	652.0	656.9	652.0	637.8	614.8	580.4	535.7	483.6	422.8
122.5°	588.4	611.1	623.8	627.9	623.8	611.1	588.4	557.6	517.2	468.0	412.2
125°	555.9	574.5	586.8	590.7	586.8	574.5	555.9	527.4	490.5	447.3	396.7
127.5°	526.8	544.3	554.9	558.1	554.9	544.3	526.8	502.0	468.0	427.3	381.5
130°	509.2	525.9	535.7	539.6	535.7	525.9	509.2	485.1	452.7	414.0	371.7
132.5°	491.1	507.8	516.9	520.4	516.9	507.8	491.1	467.4	437.0	401.4	362.3
135°	462.5	478.7	487.6	489.6	487.6	478.7	462.5	441.4	414.0	381.5	349.1
137.5°	434.6	448.6	456.3	459.3	456.3	448.6	434.6	415.4	391.4	365.8	338.6
140°	415.4	428.2	435.5	438.5	435.5	428.2	415.4	399.7	378.1	355.5	331.9
142.5°	398.9	410.5	417.1	417.7	417.1	410.5	398.9	384.0	365.9	346.5	326.4
145°	376.1	384.4	389.3	390.8	389.3	384.4	376.1	364.4	350.1	334.8	318.7
147.5°	357.5	364.1	367.5	368.3	367.5	364.1	357.5	347.8	337.3	325.5	312.7
150°	345.7	351.5	354.5	355.0	354.5	351.5	345.7	338.3	329.5	319.2	308.3
152.5°	336.2	341.4	343.5	343.6	343.5	341.4	336.2	330.5	322.8	314.1	304.0
155°	324.1	327.5	329.5	328.5	329.5	327.5	324.1	318.7	313.2	305.9	298.1
157.5°	311.9	314.8	315.6	315.6	315.6	314.8	311.9	308.1	303.8	297.6	291.1
160°	304.4	306.9	307.4	307.4	307.4	306.9	304.4	301.0	297.6	292.1	286.7
162.5°	297.7	299.5	299.9	299.5	299.9	299.5	297.7	294.3	291.7	287.1	282.4
165°	286.7	288.7	288.7	288.3	288.7	288.7	286.7	284.8	282.8	279.4	276.0
167.5°	277.4	278.5	278.4	277.8	278.4	278.5	277.4	276.6	274.7	272.4	269.8
170°	271.6	273.0	272.5	271.6	272.5	273.0	271.6	271.0	270.1	268.1	266.7
172.5°	266.8	267.5	267.0	266.4	267.0	267.5	266.8	266.3	265.7	264.2	263.1
175°	260.7	261.2	260.7	259.8	260.7	261.2	260.7	260.7	260.3	259.8	259.2
177.5°	256.9	256.9	256.5	255.7	256.5	256.9	256.9	256.9	256.9	256.5	256.5
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

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°	8.5	8.6	8.9	8.3	7.6	7.8	7.8	8.0	8.5	9.2	10.3
90°	16.2	16.7	16.2	13.3	9.8	7.4	5.9	4.9	4.0	2.0	0.5
92.5°	53.9	63.8	62.9	49.0	33.4	22.3	17.7	14.4	12.1	8.6	6.0
95°	168.4	192.5	170.4	113.4	70.7	48.1	36.3	28.5	24.0	19.1	17.2
97.5°	344.7	328.6	247.5	152.8	93.3	64.9	51.6	42.5	35.8	30.7	28.0
100°	458.6	387.9	267.1	161.1	101.2	75.2	61.4	51.6	43.7	39.3	37.8
102.5°	501.0	389.9	259.7	161.4	108.2	84.1	70.4	60.2	52.3	48.0	46.8
105°	494.5	363.9	245.0	164.0	120.3	97.2	83.4	72.7	65.3	61.9	59.9
107.5°	451.3	336.0	237.7	170.7	132.7	110.3	96.4	85.8	79.0	75.6	74.0
110°	424.2	322.6	236.2	176.2	140.9	119.3	105.0	94.8	88.4	85.4	83.4



TEST NUMBER: P331683-935

CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	405.4	313.9	236.6	182.2	148.8	127.9	113.3	103.4	97.4	94.1	92.1
115°	382.0	304.4	238.7	191.0	161.1	139.9	126.7	116.8	111.0	108.1	105.6
117.5°	367.3	299.8	242.2	200.4	172.4	152.8	139.1	129.7	124.4	121.5	119.5
120°	359.5	297.0	244.5	206.7	180.2	161.1	147.3	137.5	133.0	130.1	128.1
122.5°	352.8	295.5	247.3	212.2	187.7	169.7	155.6	145.8	140.9	138.0	136.4
125°	343.2	292.7	251.4	220.9	198.9	181.2	167.5	157.6	151.7	148.8	147.3
127.5°	334.4	291.0	255.6	229.1	209.3	192.1	178.0	168.5	162.0	157.9	155.9
130°	328.5	290.2	258.7	234.2	215.6	198.4	184.6	174.8	167.9	163.0	161.1
132.5°	323.7	289.8	261.9	239.4	221.0	204.7	190.9	180.7	173.4	168.2	165.7
135°	317.2	289.2	265.6	246.0	228.9	213.1	199.3	188.0	180.7	174.8	172.8
137.5°	312.5	289.1	269.0	251.1	235.1	219.6	206.8	195.6	187.8	181.8	179.5
140°	309.9	288.7	270.5	253.8	238.7	223.9	211.1	200.4	192.5	186.6	184.6
142.5°	307.1	288.7	271.7	256.2	241.4	227.0	215.1	204.7	196.8	191.3	189.8
145°	303.4	287.7	273.0	259.2	245.5	232.2	221.4	211.6	204.2	199.3	197.4
147.5°	299.7	285.9	273.4	261.0	248.8	236.3	226.8	218.6	211.8	207.1	205.6
150°	296.6	284.8	273.0	261.7	250.4	239.1	230.3	222.9	216.5	212.6	211.1
152.5°	293.9	282.8	272.2	262.1	252.0	241.9	233.8	226.9	221.3	217.3	216.6
155°	288.7	279.4	271.0	262.7	254.3	246.0	238.7	233.2	227.8	224.9	224.4
157.5°	283.9	275.9	268.8	262.7	256.0	248.9	242.8	238.4	233.8	231.4	230.8
160°	280.3	273.5	267.6	262.7	256.8	250.9	245.5	241.6	237.6	235.7	235.2
162.5°	277.2	271.6	266.4	262.3	257.2	252.1	247.9	244.4	241.2	239.2	239.5
165°	272.0	267.6	264.2	261.2	257.8	253.4	250.4	248.0	245.0	244.0	244.5
167.5°	266.9	264.2	261.9	260.5	257.7	254.4	252.6	250.8	248.9	248.1	248.7
170°	264.2	262.2	260.7	259.8	257.3	254.9	253.4	252.4	250.9	250.4	251.4
172.5°	261.4	259.8	259.2	258.6	256.9	255.2	254.2	253.6	252.1	252.4	253.0
175°	257.8	257.3	256.8	257.3	256.3	255.3	254.9	254.9	253.8	254.3	254.9
177.5°	255.7	255.3	255.7	256.5	255.7	255.3	255.3	255.3	254.5	254.9	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



TEST NUMBER: P331683-935
 CATALOG NUMBER: SA2XXRDIP-C675D530U935-4F0-1E-UDD-A4

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°	8.9	7.5	7.3	7.1	7.8	8.3	8.6	9.2	9.6	9.2	9.5
90°	2.0	4.0	4.9	5.9	7.4	9.8	13.3	16.2	16.7	16.2	15.7
92.5°	8.6	12.1	14.4	17.7	22.3	33.4	49.0	62.9	63.8	53.9	42.8
95°	19.1	24.0	28.5	36.3	48.1	70.7	113.4	170.4	192.5	168.4	128.6
97.5°	30.7	35.8	42.5	51.6	64.9	93.3	152.8	247.5	328.6	344.7	300.2
100°	39.3	43.7	51.6	61.4	75.2	101.2	161.1	267.1	387.9	458.6	448.3
102.5°	48.0	52.3	60.2	70.4	84.1	108.2	161.4	259.7	389.9	501.0	545.4
105°	61.9	65.3	72.7	83.4	97.2	120.3	164.0	245.0	363.9	494.5	596.6
107.5°	75.6	79.0	85.8	96.4	110.3	132.7	170.7	237.7	336.0	451.3	559.6
110°	85.4	88.4	94.8	105.0	119.3	140.9	176.2	236.2	322.6	424.2	527.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	94.1	97.4	103.4	113.3	127.9	148.8	182.2	236.6	313.9	405.4	498.8
115°	108.1	111.0	116.8	126.7	139.9	161.1	191.0	238.7	304.4	382.0	463.0
117.5°	121.5	124.4	129.7	139.1	152.8	172.4	200.4	242.2	299.8	367.3	436.1
120°	130.1	133.0	137.5	147.3	161.1	180.2	206.7	244.5	297.0	359.5	422.8
122.5°	138.0	140.9	145.8	155.6	169.7	187.7	212.2	247.3	295.5	352.8	412.2
125°	148.8	151.7	157.6	167.5	181.2	198.9	220.9	251.4	292.7	343.2	396.7
127.5°	157.9	162.0	168.5	178.0	192.1	209.3	229.1	255.6	291.0	334.4	381.5
130°	163.0	167.9	174.8	184.6	198.4	215.6	234.2	258.7	290.2	328.5	371.7
132.5°	168.2	173.4	180.7	190.9	204.7	221.0	239.4	261.9	289.8	323.7	362.3
135°	174.8	180.7	188.0	199.3	213.1	228.9	246.0	265.6	289.2	317.2	349.1
137.5°	181.8	187.8	195.6	206.8	219.6	235.1	251.1	269.0	289.1	312.5	338.6
140°	186.6	192.5	200.4	211.1	223.9	238.7	253.8	270.5	288.7	309.9	331.9
142.5°	191.3	196.8	204.7	215.1	227.0	241.4	256.2	271.7	288.7	307.1	326.4
145°	199.3	204.2	211.6	221.4	232.2	245.5	259.2	273.0	287.7	303.4	318.7
147.5°	207.1	211.8	218.6	226.8	236.3	248.8	261.0	273.4	285.9	299.7	312.7
150°	212.6	216.5	222.9	230.3	239.1	250.4	261.7	273.0	284.8	296.6	308.3
152.5°	217.3	221.3	226.9	233.8	241.9	252.0	262.1	272.2	282.8	293.9	304.0
155°	224.9	227.8	233.2	238.7	246.0	254.3	262.7	271.0	279.4	288.7	298.1
157.5°	231.4	233.8	238.4	242.8	248.9	256.0	262.7	268.8	275.9	283.9	291.1
160°	235.7	237.6	241.6	245.5	250.9	256.8	262.7	267.6	273.5	280.3	286.7
162.5°	239.2	241.2	244.4	247.9	252.1	257.2	262.3	266.4	271.6	277.2	282.4
165°	244.0	245.0	248.0	250.4	253.4	257.8	261.2	264.2	267.6	272.0	276.0
167.5°	248.1	248.9	250.8	252.6	254.4	257.7	260.5	261.9	264.2	266.9	269.8
170°	250.4	250.9	252.4	253.4	254.9	257.3	259.8	260.7	262.2	264.2	266.7
172.5°	252.4	252.1	253.6	254.2	255.2	256.9	258.6	259.2	259.8	261.4	263.1
175°	254.3	253.8	254.9	254.9	255.3	256.3	257.3	256.8	257.3	257.8	259.2
177.5°	254.9	254.5	255.3	255.3	255.3	255.7	256.5	255.7	255.3	255.7	256.5
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3



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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°	9.0	9.1	9.2	9.2	9.2	9.2	8.9
90°	14.7	15.7	16.2	16.2	16.2	16.2	16.2
92.5°	36.8	32.6	29.5	29.2	27.6	28.0	27.2
95°	98.7	78.1	67.2	60.9	57.0	55.4	56.0
97.5°	245.6	192.5	157.0	133.5	121.5	114.3	110.2
100°	387.4	320.1	260.7	220.0	198.9	184.6	175.8
102.5°	531.6	482.4	419.4	375.1	339.1	321.3	309.4
105°	652.0	658.5	642.2	611.8	581.3	560.3	553.4
107.5°	643.3	694.3	718.1	721.9	720.2	716.0	706.9
110°	615.7	678.6	718.8	739.9	749.3	753.7	753.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	583.2	650.3	696.5	725.8	741.4	749.8	752.4
115°	538.6	603.0	653.6	688.4	711.0	723.8	728.1
117.5°	502.5	560.9	608.3	643.9	667.7	681.1	684.8
120°	483.6	535.7	580.4	614.8	637.8	652.0	656.9
122.5°	468.0	517.2	557.6	588.4	611.1	623.8	627.9
125°	447.3	490.5	527.4	555.9	574.5	586.8	590.7
127.5°	427.3	468.0	502.0	526.8	544.3	554.9	558.1
130°	414.0	452.7	485.1	509.2	525.9	535.7	539.6
132.5°	401.4	437.0	467.4	491.1	507.8	516.9	520.4
135°	381.5	414.0	441.4	462.5	478.7	487.6	489.6
137.5°	365.8	391.4	415.4	434.6	448.6	456.3	459.3
140°	355.5	378.1	399.7	415.4	428.2	435.5	438.5
142.5°	346.5	365.9	384.0	398.9	410.5	417.1	417.7
145°	334.8	350.1	364.4	376.1	384.4	389.3	390.8
147.5°	325.5	337.3	347.8	357.5	364.1	367.5	368.3
150°	319.2	329.5	338.3	345.7	351.5	354.5	355.0
152.5°	314.1	322.8	330.5	336.2	341.4	343.5	343.6
155°	305.9	313.2	318.7	324.1	327.5	329.5	328.5
157.5°	297.6	303.8	308.1	311.9	314.8	315.6	315.6
160°	292.1	297.6	301.0	304.4	306.9	307.4	307.4
162.5°	287.1	291.7	294.3	297.7	299.5	299.9	299.5
165°	279.4	282.8	284.8	286.7	288.7	288.7	288.3
167.5°	272.4	274.7	276.6	277.4	278.5	278.4	277.8
170°	268.1	270.1	271.0	271.6	273.0	272.5	271.6
172.5°	264.2	265.7	266.3	266.8	267.5	267.0	266.4
175°	259.8	260.3	260.7	260.7	261.2	260.7	259.8
177.5°	256.5	256.9	256.9	256.9	256.9	256.5	255.7
180°	255.3	255.3	255.3	255.3	255.3	255.3	255.3

(END OF REPORT)