

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: P331683-927

Luminaire Tested: **SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331683-927
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-C675D530U927-4F0-1E-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

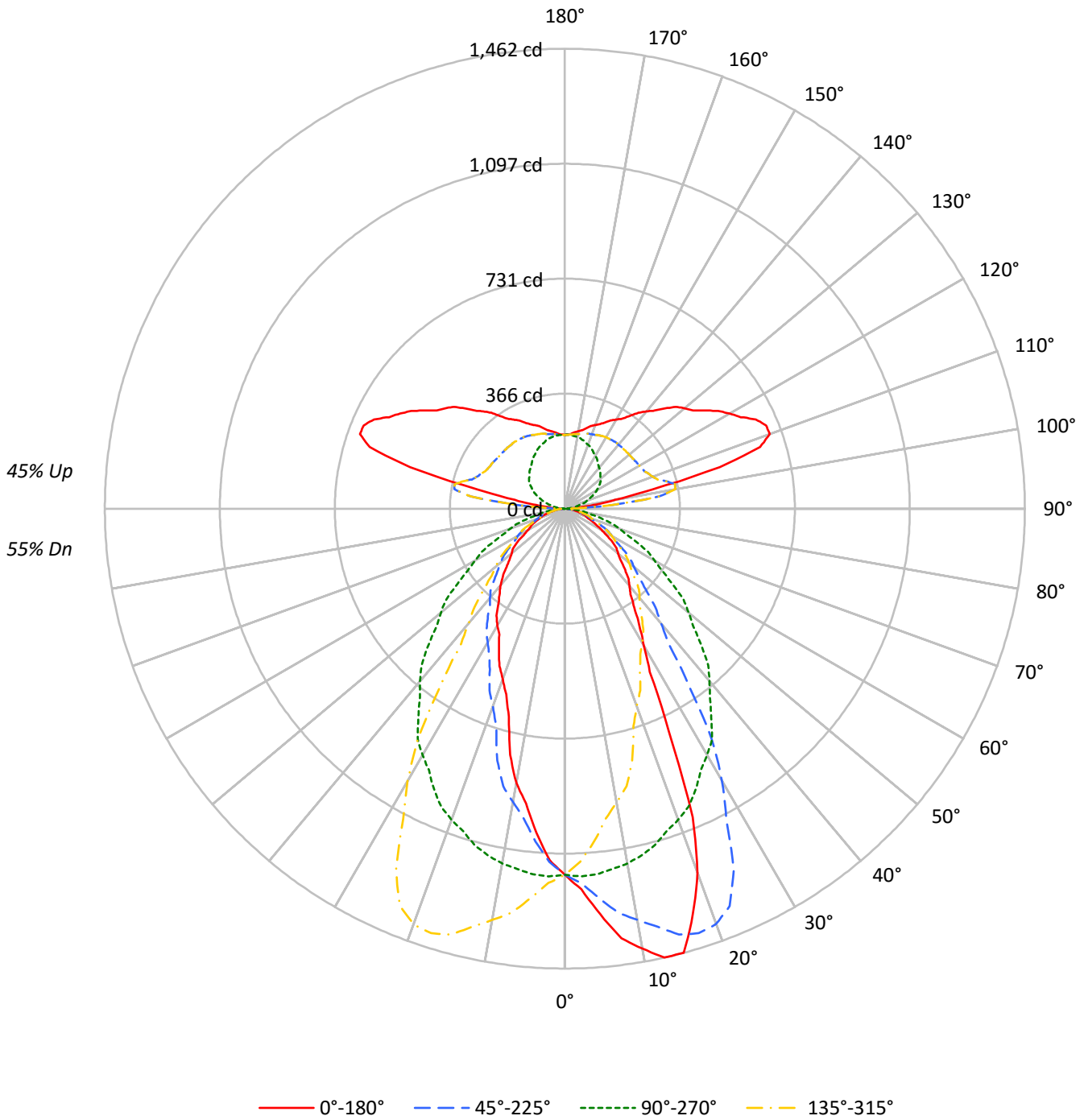
Lumens per Lamp: N/A
Luminaire Lumens: 3648.1 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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



TEST NUMBER: P331683-927
CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

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°	18791	18791	18791	18791
5°	20985	18908	16765	18908
10°	23282	18775	14532	18775
15°	24428	18501	11450	18501
20°	21179	18093	9907	18093
25°	13890	17533	8845	17533
30°	9350	16858	8006	16858
35°	7571	16005	7222	16005
40°	6734	15076	6681	15076
45°	6094	13988	5966	13988
50°	5546	12911	5526	12911
55°	5213	11713	5146	11713
60°	4363	10618	4308	10618
65°	3679	9639	4172	9639
70°	3399	8611	3932	8611
75°	3175	7492	3631	7492
80°	2929	6165	3236	6165
85°	2705	4872	2853	4872



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.0
10°-20°	307.4	8.4
20°-30°	396.1	10.9
30°-40°	376.4	10.3
40°-50°	322.5	8.8
50°-60°	245.6	6.7
60°-70°	155.2	4.3
70°-80°	77.5	2.1
80°-90°	22.3	0.6
90°-100°	93.9	2.6
100°-110°	318.8	8.7
110°-120°	338.6	9.3
120°-130°	278.8	7.6
130°-140°	223.9	6.1
140°-150°	169.2	4.6
150°-160°	118.9	3.3
160°-170°	70.0	1.9
170°-180°	22.8	0.6
0°-30°	813.8	22.3
0°-40°	1190.3	32.6
0°-60°	1758.3	48.2
0°-90°	2013.4	55.2
90°-120°	751.3	20.6
90°-150°	1423.1	39.0
90°-180°	1635.0	44.8
0°-180°	3648.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1164	1164	1164	1164	1164	
5°	1295	1167	1034	1167	1295	128
15°	1461	1107	685	1107	1461	394
25°	780	984	496	984	780	370
35°	384	812	366	812	384	246
45°	267	613	261	613	267	207
55°	185	416	183	416	185	163
65°	96	252	109	252	96	98
75°	51	120	58	120	51	54
85°	15	26	15	26	15	16
90°	15	0	15	0	15	9
95°	52	16	52	16	52	67
105°	509	55	509	55	509	493
115°	670	97	670	97	670	656
125°	544	136	544	136	544	491
135°	450	159	450	159	450	350
145°	360	182	360	182	360	228
155°	302	206	302	206	302	141
165°	265	225	265	225	265	76
175°	239	234	239	234	239	23
180°	235	235	235	235	235	



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1211.0	1212.0	1213.0	1210.7	1210.7	1208.7	1204.5	1201.3	1192.2	1191.0	1191.0
5°	1294.8	1294.0	1295.6	1290.4	1283.1	1281.4	1273.7	1263.7	1253.2	1241.4	1239.0
7.5°	1378.1	1376.9	1373.6	1372.8	1367.1	1354.9	1342.6	1329.4	1311.9	1294.9	1286.3
10°	1420.1	1433.5	1425.4	1411.3	1414.1	1395.1	1385.0	1367.6	1353.0	1327.5	1321.9
12.5°	1461.6	1466.8	1464.3	1456.2	1452.5	1439.4	1425.8	1410.6	1383.8	1360.9	1341.0
15°	1461.4	1469.1	1471.1	1468.7	1470.7	1469.9	1462.6	1450.1	1426.6	1401.5	1379.7
17.5°	1353.5	1358.8	1372.1	1381.1	1392.4	1416.3	1428.1	1432.7	1429.3	1415.0	1399.6
20°	1232.6	1223.6	1260.8	1279.8	1296.0	1336.4	1371.2	1384.6	1406.0	1405.6	1401.5
22.5°	1061.0	1063.2	1098.4	1121.0	1168.2	1208.6	1248.3	1298.5	1340.0	1367.4	1383.5
25°	779.7	795.0	830.2	860.9	913.5	988.7	1057.0	1136.3	1211.1	1270.1	1326.4
27.5°	585.5	586.7	614.6	642.9	674.1	735.8	821.8	916.5	1023.1	1111.1	1212.4
30°	501.5	499.0	510.7	528.1	554.8	602.5	667.2	760.3	866.6	999.2	1117.3
32.5°	441.9	442.0	450.9	463.7	485.9	518.1	562.4	637.9	738.5	868.9	1007.3
35°	384.1	383.7	390.2	399.5	408.8	429.4	459.8	499.4	568.5	690.2	831.8
37.5°	342.8	344.5	347.7	353.5	363.8	375.3	393.5	420.1	469.3	541.3	660.3
40°	319.5	320.3	324.7	329.5	335.6	344.5	359.5	380.9	416.9	474.4	561.3
42.5°	298.1	298.9	302.1	306.6	311.3	320.3	332.6	351.2	380.3	425.2	496.9
45°	266.9	266.9	269.7	271.7	277.0	285.1	295.2	310.5	330.8	363.9	411.6
47.5°	237.6	237.7	239.6	243.0	246.4	252.6	262.6	275.1	289.9	315.5	356.2
50°	220.8	221.2	222.4	225.2	227.3	232.9	240.6	251.5	266.9	286.7	320.7
52.5°	207.2	206.9	208.5	209.7	211.1	215.2	220.9	230.5	244.2	261.5	289.6
55°	185.2	183.5	186.0	188.1	189.3	190.8	194.1	200.2	211.9	226.5	247.5
57.5°	157.7	157.1	158.8	160.7	164.5	168.8	171.5	175.4	181.5	191.9	212.8
60°	135.1	135.1	138.7	139.9	144.3	150.0	155.7	158.9	165.0	171.8	187.2
62.5°	115.0	115.3	117.0	118.3	120.7	127.7	135.6	142.8	148.5	155.0	165.2
65°	96.3	97.0	97.0	97.8	99.5	101.1	104.3	110.0	120.1	129.4	137.0
67.5°	81.7	81.9	82.1	82.9	83.4	85.2	86.4	89.0	91.3	100.1	109.6
70°	72.0	73.2	72.8	73.6	74.0	74.8	76.4	77.6	81.3	83.3	89.0
72.5°	62.9	63.8	63.7	64.2	65.3	65.4	66.7	68.0	70.3	72.0	75.0
75°	50.9	50.5	50.9	51.7	52.1	52.6	52.6	54.2	55.4	57.0	59.0
77.5°	39.3	39.7	39.6	39.7	39.8	40.5	40.4	41.2	42.4	43.2	44.1
80°	31.5	31.9	31.5	31.9	32.3	32.7	32.3	32.7	34.0	34.8	34.8
82.5°	24.4	24.5	24.7	24.8	24.9	25.0	25.6	25.7	26.5	26.4	26.7
85°	14.6	14.2	14.2	14.2	14.6	15.0	14.6	14.6	15.0	15.0	15.0
87.5°	8.2	8.5	8.5	8.5	8.5	8.4	8.2	8.7	8.5	8.9	8.5
90°	14.9	14.9	14.9	14.9	14.9	14.4	13.5	14.4	14.9	15.4	14.9
92.5°	25.0	25.7	25.4	26.9	27.2	30.0	33.8	39.4	49.6	58.7	57.9
95°	51.5	51.0	52.4	56.0	61.9	71.9	90.8	118.4	155.0	177.1	156.8
97.5°	101.4	105.2	111.8	122.9	144.5	177.1	226.0	276.2	317.1	302.3	227.7
100°	161.8	169.8	183.0	202.4	239.9	294.5	356.5	412.5	421.9	356.9	245.7
102.5°	284.6	295.6	312.0	345.2	385.9	443.9	489.1	501.8	461.0	358.7	238.9
105°	509.1	515.5	534.9	562.9	590.9	605.9	599.9	548.9	455.0	334.8	225.5
107.5°	650.4	658.8	662.7	664.2	660.7	638.8	591.8	514.9	415.3	309.1	218.7
110°	693.0	693.5	689.4	680.8	661.4	624.3	566.5	485.7	390.3	296.8	217.3



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	692.3	689.8	682.1	667.8	640.8	598.3	536.5	458.9	373.0	288.8	217.7
115°	669.9	665.9	654.2	633.3	601.3	554.8	495.6	426.0	351.5	280.1	219.6
117.5°	630.1	626.7	614.3	592.4	559.7	516.0	462.3	401.2	337.9	275.8	222.8
120°	604.4	599.9	586.8	565.6	534.0	492.9	445.0	389.0	330.7	273.3	225.0
122.5°	577.7	573.9	562.3	541.4	513.0	475.9	430.6	379.2	324.6	271.9	227.5
125°	543.5	539.9	528.5	511.4	485.2	451.3	411.5	365.0	315.8	269.3	231.3
127.5°	513.5	510.6	500.8	484.7	461.9	430.6	393.2	351.0	307.7	267.8	235.2
130°	496.5	492.9	483.9	468.5	446.3	416.5	380.9	342.0	302.2	267.0	238.1
132.5°	478.8	475.5	467.2	451.9	430.1	402.1	369.3	333.4	297.9	266.6	241.0
135°	450.4	448.6	440.5	425.6	406.2	380.9	351.0	321.2	291.8	266.1	244.4
137.5°	422.6	419.9	412.7	399.9	382.2	360.1	336.5	311.6	287.6	266.0	247.5
140°	403.5	400.7	394.0	382.2	367.7	347.8	327.1	305.4	285.1	265.6	248.9
142.5°	384.3	383.7	377.7	367.0	353.3	336.7	318.8	300.3	282.6	265.6	250.0
145°	359.6	358.2	353.7	346.0	335.3	322.1	308.1	293.2	279.2	264.7	251.2
147.5°	338.9	338.1	335.0	328.9	320.0	310.4	299.4	287.7	275.8	263.1	251.5
150°	326.6	326.1	323.4	318.1	311.2	303.2	293.7	283.7	272.9	262.1	251.2
152.5°	316.2	316.1	314.1	309.3	304.0	297.0	289.0	279.7	270.4	260.2	250.5
155°	302.2	303.2	301.3	298.2	293.2	288.2	281.5	274.3	265.6	257.1	249.4
157.5°	290.4	290.4	289.6	286.9	283.4	279.6	273.9	267.8	261.2	253.8	247.3
160°	282.8	282.8	282.3	280.1	276.9	273.8	268.8	263.8	257.9	251.7	246.2
162.5°	275.6	275.9	275.5	273.9	270.8	268.4	264.1	259.8	255.1	249.9	245.1
165°	265.2	265.6	265.6	263.8	262.1	260.2	257.1	253.9	250.3	246.2	243.0
167.5°	255.6	256.2	256.3	255.2	254.4	252.8	250.6	248.2	245.6	243.0	241.0
170°	249.9	250.7	251.2	249.9	249.4	248.5	246.7	245.3	243.0	241.2	239.9
172.5°	245.1	245.7	246.1	245.5	245.0	244.5	243.0	242.1	240.5	239.1	238.4
175°	239.0	239.9	240.3	239.9	239.9	239.5	239.0	238.5	237.2	236.7	236.3
177.5°	235.3	236.0	236.4	236.4	236.4	236.4	236.0	236.0	235.3	234.9	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1191.6	1189.0	1186.8	1180.9	1178.1	1171.6	1170.6	1170.3	1161.8	1153.7	1151.5
5°	1232.6	1226.1	1216.3	1205.0	1193.3	1181.1	1173.1	1166.6	1150.4	1135.0	1126.2
7.5°	1273.7	1259.9	1243.1	1221.7	1203.8	1183.8	1168.9	1155.6	1132.6	1110.6	1095.7
10°	1304.5	1281.8	1259.6	1230.1	1207.0	1184.4	1163.4	1145.2	1119.3	1090.2	1069.5
12.5°	1323.6	1298.7	1268.0	1239.1	1209.3	1180.5	1152.4	1129.0	1098.6	1068.5	1044.0
15°	1349.4	1322.7	1285.5	1244.3	1205.9	1168.2	1135.9	1106.8	1067.1	1031.2	1001.2
17.5°	1370.5	1333.8	1293.8	1246.1	1201.7	1153.8	1112.1	1075.0	1030.9	987.5	952.2
20°	1377.3	1340.9	1294.8	1247.1	1194.5	1138.3	1093.4	1053.0	1005.7	958.4	917.9
22.5°	1373.1	1344.8	1293.5	1236.4	1182.6	1123.7	1073.0	1026.1	973.7	925.3	878.5
25°	1344.6	1334.8	1286.3	1224.0	1162.6	1094.2	1035.6	984.2	924.4	872.7	821.7
27.5°	1277.9	1298.9	1268.8	1202.5	1134.2	1060.9	995.0	936.5	874.4	816.2	765.4
30°	1213.9	1262.0	1249.1	1187.6	1111.2	1039.3	965.3	904.2	837.9	778.0	727.9
32.5°	1126.2	1205.8	1218.4	1167.0	1087.9	1008.8	931.3	870.5	801.3	738.2	689.4
35°	986.7	1105.6	1160.2	1127.4	1048.1	962.8	882.7	812.0	742.4	680.2	631.6
37.5°	820.1	982.1	1073.0	1075.4	1002.6	913.9	826.7	756.5	685.2	624.1	571.6
40°	712.1	887.6	1006.1	1032.4	970.9	875.0	786.9	715.3	645.8	585.9	525.7
42.5°	615.1	789.9	935.6	981.3	932.4	837.2	748.8	673.9	606.3	549.7	488.1
45°	497.4	650.2	810.8	892.5	865.4	777.2	683.8	612.6	549.1	500.2	441.2
47.5°	419.5	527.3	682.6	793.1	792.7	712.2	620.3	552.2	493.3	447.4	399.6
50°	375.3	469.1	600.5	725.9	736.3	668.8	581.5	514.0	459.0	410.8	372.4
52.5°	335.5	412.8	530.9	651.1	681.0	622.6	537.8	475.5	422.1	377.9	344.9
55°	283.4	343.3	433.1	545.5	590.8	549.5	474.4	416.1	372.8	335.6	307.3
57.5°	239.8	284.7	356.7	447.3	499.9	474.0	411.9	364.6	327.6	294.0	271.6
60°	212.3	249.1	310.1	385.8	444.0	425.8	372.8	328.8	297.2	268.1	247.1
62.5°	186.4	218.0	270.4	331.8	385.2	377.6	334.3	297.4	269.7	243.2	225.4
65°	150.0	173.1	213.9	262.1	304.9	308.6	277.4	252.3	227.7	206.6	190.8
67.5°	119.5	134.5	163.3	203.8	235.9	247.4	228.4	209.2	189.6	173.4	159.7
70°	100.7	112.8	133.9	166.6	196.1	208.3	197.3	182.4	165.4	152.0	140.3
72.5°	81.6	93.4	108.9	132.9	158.3	171.3	167.5	156.9	143.1	132.0	120.9
75°	61.5	65.1	75.7	91.8	111.6	122.9	125.8	120.1	109.2	100.7	94.2
77.5°	45.5	47.6	52.7	61.2	74.1	84.2	88.3	87.7	80.2	75.2	69.2
80°	36.4	37.6	40.0	43.6	53.4	63.5	66.3	66.3	61.1	59.0	53.0
82.5°	27.6	28.5	30.0	32.0	36.5	45.4	48.6	49.2	45.9	43.2	38.4
85°	15.8	15.4	16.2	17.3	18.2	20.6	25.5	26.3	25.5	22.3	21.0
87.5°	7.9	7.6	7.2	6.6	6.7	6.9	8.2	9.5	8.5	7.8	7.4
90°	12.2	9.0	6.8	5.4	4.5	3.6	1.8	0.5	1.8	3.6	4.5
92.5°	45.1	30.7	20.5	16.2	13.2	11.2	7.9	5.5	7.9	11.2	13.2
95°	104.3	65.0	44.3	33.4	26.2	22.1	17.6	15.8	17.6	22.1	26.2
97.5°	140.6	85.9	59.7	47.5	39.1	33.0	28.2	25.7	28.2	33.0	39.1
100°	148.2	93.1	69.2	56.5	47.5	40.2	36.1	34.8	36.1	40.2	47.5
102.5°	148.5	99.6	77.4	64.8	55.4	48.2	44.1	43.1	44.1	48.2	55.4
105°	150.9	110.7	89.4	76.8	66.9	60.0	57.0	55.1	57.0	60.0	66.9
107.5°	157.1	122.1	101.5	88.7	78.9	72.6	69.6	68.1	69.6	72.6	78.9
110°	162.2	129.7	109.8	96.6	87.2	81.4	78.6	76.8	78.6	81.4	87.2



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	167.6	136.9	117.7	104.3	95.1	89.6	86.6	84.8	86.6	89.6	95.1
115°	175.7	148.2	128.7	116.5	107.5	102.1	99.4	97.1	99.4	102.1	107.5
117.5°	184.4	158.6	140.6	127.9	119.3	114.5	111.8	110.0	111.8	114.5	119.3
120°	190.2	165.8	148.2	135.5	126.5	122.4	119.7	117.9	119.7	122.4	126.5
122.5°	195.3	172.7	156.1	143.1	134.1	129.7	127.0	125.5	127.0	129.7	134.1
125°	203.3	183.0	166.7	154.1	145.0	139.6	136.9	135.5	136.9	139.6	145.0
127.5°	210.8	192.6	176.7	163.7	155.0	149.1	145.3	143.5	145.3	149.1	155.0
130°	215.5	198.4	182.5	169.8	160.8	154.5	150.0	148.2	150.0	154.5	160.8
132.5°	220.2	203.4	188.3	175.6	166.3	159.5	154.7	152.5	154.7	159.5	166.3
135°	226.3	210.6	196.1	183.4	173.0	166.3	160.8	159.0	160.8	166.3	173.0
137.5°	231.0	216.3	202.0	190.3	180.0	172.8	167.3	165.2	167.3	172.8	180.0
140°	233.5	219.6	206.0	194.2	184.3	177.1	171.7	169.8	171.7	177.1	184.3
142.5°	235.8	222.1	208.9	197.9	188.3	181.1	176.0	174.6	176.0	181.1	188.3
145°	238.5	225.9	213.7	203.7	194.7	187.9	183.4	181.6	183.4	187.9	194.7
147.5°	240.1	228.9	217.5	208.7	201.1	194.9	190.5	189.2	190.5	194.9	201.1
150°	240.8	230.4	220.0	211.9	205.1	199.2	195.6	194.2	195.6	199.2	205.1
152.5°	241.1	231.9	222.5	215.2	208.7	203.6	199.9	199.3	199.9	203.6	208.7
155°	241.7	234.0	226.3	219.6	214.6	209.6	206.9	206.4	206.9	209.6	214.6
157.5°	241.7	235.5	229.0	223.4	219.4	215.1	212.9	212.4	212.9	215.1	219.4
160°	241.7	236.3	230.8	225.9	222.3	218.6	216.8	216.4	216.8	218.6	222.3
162.5°	241.3	236.6	232.0	228.1	224.8	221.9	220.1	220.4	220.1	221.9	224.8
165°	240.3	237.2	233.1	230.4	228.1	225.5	224.5	225.0	224.5	225.5	228.1
167.5°	239.7	237.1	234.1	232.4	230.8	229.0	228.2	228.8	228.2	229.0	230.8
170°	239.0	236.7	234.5	233.1	232.2	230.8	230.4	231.3	230.4	230.8	232.2
172.5°	237.9	236.4	234.8	233.9	233.3	232.0	232.2	232.7	232.2	232.0	233.3
175°	236.7	235.8	234.9	234.5	234.5	233.5	234.0	234.5	234.0	233.5	234.5
177.5°	236.0	235.3	234.9	234.9	234.9	234.2	234.6	235.3	234.6	234.2	234.9
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1147.3	1145.0	1140.8	1134.3	1130.4	1123.6	1119.1	1121.7	1122.4	1121.7	1121.1
5°	1116.5	1107.9	1096.2	1084.9	1074.4	1063.1	1056.6	1053.8	1048.1	1044.9	1043.3
7.5°	1079.2	1064.5	1048.0	1028.3	1011.5	994.0	985.0	980.5	968.9	962.7	957.1
10°	1051.4	1028.3	1011.8	985.9	970.1	947.1	931.3	931.7	915.9	907.0	900.6
12.5°	1020.6	995.3	967.7	944.4	922.5	904.0	885.0	877.3	860.5	852.0	834.6
15°	969.7	940.2	911.1	879.5	857.3	828.5	801.1	767.5	740.4	716.9	710.5
17.5°	914.0	877.5	848.3	811.3	773.2	724.8	693.0	673.5	657.2	644.8	635.6
20°	875.8	838.7	807.6	751.7	700.4	667.7	644.2	629.2	612.2	598.9	591.6
22.5°	835.8	796.9	754.5	692.2	652.2	625.9	605.0	587.8	576.3	565.9	559.3
25°	778.8	736.3	666.4	623.5	591.2	563.7	549.1	538.6	526.5	512.3	505.9
27.5°	718.7	651.1	600.9	569.0	538.1	520.2	507.2	491.5	480.6	474.3	467.5
30°	673.7	606.2	567.0	532.2	510.3	490.5	475.2	466.3	455.7	444.8	440.4
32.5°	623.5	569.6	532.0	503.0	480.9	464.0	451.9	437.4	429.8	423.1	413.8
35°	561.3	520.5	486.1	462.6	441.6	427.9	413.7	405.2	391.4	385.8	382.1
37.5°	508.5	473.1	447.5	422.7	406.1	390.9	382.2	368.7	362.7	354.9	347.2
40°	478.8	444.0	419.3	399.1	380.5	369.2	358.3	347.4	338.4	334.9	325.5
42.5°	448.4	420.1	395.4	373.2	360.8	348.8	335.0	327.0	317.7	311.9	306.1
45°	406.4	381.4	360.3	342.1	328.4	315.8	306.9	293.6	288.4	276.6	271.7
47.5°	369.6	346.2	326.1	308.9	295.4	287.2	274.3	263.8	255.4	248.2	242.0
50°	343.3	323.9	304.5	289.1	277.0	265.3	251.9	246.7	233.7	230.0	226.5
52.5°	319.4	301.0	283.1	268.1	256.0	244.5	232.8	225.9	217.2	213.6	211.0
55°	285.9	268.1	251.1	237.7	225.6	213.9	206.6	198.1	194.1	191.2	188.1
57.5°	252.2	236.2	223.2	209.7	197.5	188.2	179.7	174.7	170.5	166.8	162.9
60°	230.9	215.6	203.8	191.2	178.7	171.0	164.6	158.5	153.7	148.0	146.4
62.5°	208.3	194.8	184.1	171.8	161.0	153.9	147.7	142.0	136.2	127.9	125.6
65°	177.1	166.6	155.3	145.2	135.5	128.6	119.7	113.2	110.8	110.0	109.6
67.5°	149.0	139.0	129.3	119.0	110.1	103.8	99.3	98.2	96.6	96.1	95.0
70°	130.2	120.9	111.2	101.5	93.0	91.8	90.2	88.6	86.5	85.7	84.9
72.5°	113.4	103.8	94.0	86.3	82.6	81.1	79.5	77.9	76.5	75.7	75.2
75°	86.9	78.0	71.6	68.8	66.7	65.5	63.1	61.9	61.1	59.8	59.4
77.5°	62.6	57.6	54.6	52.8	50.7	49.4	48.0	46.8	45.9	45.7	45.1
80°	47.7	45.3	43.3	40.9	40.0	38.4	38.0	36.8	37.2	36.0	36.0
82.5°	37.1	34.0	32.2	31.1	30.3	29.1	28.6	28.0	28.1	27.3	27.3
85°	19.0	18.2	17.3	16.6	16.6	15.4	15.8	15.4	15.4	14.6	14.2
87.5°	7.2	7.2	7.0	7.6	8.2	7.9	7.8	7.4	7.2	7.4	7.2
90°	5.4	6.8	9.0	12.2	14.9	15.4	14.9	14.4	13.5	14.4	14.9
92.5°	16.2	20.5	30.7	45.1	57.9	58.7	49.6	39.4	33.8	30.0	27.2
95°	33.4	44.3	65.0	104.3	156.8	177.1	155.0	118.4	90.8	71.9	61.9
97.5°	47.5	59.7	85.9	140.6	227.7	302.3	317.1	276.2	226.0	177.1	144.5
100°	56.5	69.2	93.1	148.2	245.7	356.9	421.9	412.5	356.5	294.5	239.9
102.5°	64.8	77.4	99.6	148.5	238.9	358.7	461.0	501.8	489.1	443.9	385.9
105°	76.8	89.4	110.7	150.9	225.5	334.8	455.0	548.9	599.9	605.9	590.9
107.5°	88.7	101.5	122.1	157.1	218.7	309.1	415.3	514.9	591.8	638.8	660.7
110°	96.6	109.8	129.7	162.2	217.3	296.8	390.3	485.7	566.5	624.3	661.4



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.3	117.7	136.9	167.6	217.7	288.8	373.0	458.9	536.5	598.3	640.8
115°	116.5	128.7	148.2	175.7	219.6	280.1	351.5	426.0	495.6	554.8	601.3
117.5°	127.9	140.6	158.6	184.4	222.8	275.8	337.9	401.2	462.3	516.0	559.7
120°	135.5	148.2	165.8	190.2	225.0	273.3	330.7	389.0	445.0	492.9	534.0
122.5°	143.1	156.1	172.7	195.3	227.5	271.9	324.6	379.2	430.6	475.9	513.0
125°	154.1	166.7	183.0	203.3	231.3	269.3	315.8	365.0	411.5	451.3	485.2
127.5°	163.7	176.7	192.6	210.8	235.2	267.8	307.7	351.0	393.2	430.6	461.9
130°	169.8	182.5	198.4	215.5	238.1	267.0	302.2	342.0	380.9	416.5	446.3
132.5°	175.6	188.3	203.4	220.2	241.0	266.6	297.9	333.4	369.3	402.1	430.1
135°	183.4	196.1	210.6	226.3	244.4	266.1	291.8	321.2	351.0	380.9	406.2
137.5°	190.3	202.0	216.3	231.0	247.5	266.0	287.6	311.6	336.5	360.1	382.2
140°	194.2	206.0	219.6	233.5	248.9	265.6	285.1	305.4	327.1	347.8	367.7
142.5°	197.9	208.9	222.1	235.8	250.0	265.6	282.6	300.3	318.8	336.7	353.3
145°	203.7	213.7	225.9	238.5	251.2	264.7	279.2	293.2	308.1	322.1	335.3
147.5°	208.7	217.5	228.9	240.1	251.5	263.1	275.8	287.7	299.4	310.4	320.0
150°	211.9	220.0	230.4	240.8	251.2	262.1	272.9	283.7	293.7	303.2	311.2
152.5°	215.2	222.5	231.9	241.1	250.5	260.2	270.4	279.7	289.0	297.0	304.0
155°	219.6	226.3	234.0	241.7	249.4	257.1	265.6	274.3	281.5	288.2	293.2
157.5°	223.4	229.0	235.5	241.7	247.3	253.8	261.2	267.8	273.9	279.6	283.4
160°	225.9	230.8	236.3	241.7	246.2	251.7	257.9	263.8	268.8	273.8	276.9
162.5°	228.1	232.0	236.6	241.3	245.1	249.9	255.1	259.8	264.1	268.4	270.8
165°	230.4	233.1	237.2	240.3	243.0	246.2	250.3	253.9	257.1	260.2	262.1
167.5°	232.4	234.1	237.1	239.7	241.0	243.0	245.6	248.2	250.6	252.8	254.4
170°	233.1	234.5	236.7	239.0	239.9	241.2	243.0	245.3	246.7	248.5	249.4
172.5°	233.9	234.8	236.4	237.9	238.4	239.1	240.5	242.1	243.0	244.5	245.0
175°	234.5	234.9	235.8	236.7	236.3	236.7	237.2	238.5	239.0	239.5	239.9
177.5°	234.9	234.9	235.3	236.0	235.3	234.9	235.3	236.0	236.0	236.4	236.4
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1117.5	1118.2	1117.2	1117.8	1117.2	1118.2	1117.5	1121.1	1121.7	1122.4	1121.7
5°	1041.2	1036.4	1035.6	1034.4	1035.6	1036.4	1041.2	1043.3	1044.9	1048.1	1053.8
7.5°	950.2	949.4	947.5	944.6	947.5	949.4	950.2	957.1	962.7	968.9	980.5
10°	891.6	889.6	889.2	886.4	889.2	889.6	891.6	900.6	907.0	915.9	931.7
12.5°	823.1	810.0	808.7	801.6	808.7	810.0	823.1	834.6	852.0	860.5	877.3
15°	700.8	698.4	690.2	685.0	690.2	698.4	700.8	710.5	716.9	740.4	767.5
17.5°	630.9	623.0	620.4	619.3	620.4	623.0	630.9	635.6	644.8	657.2	673.5
20°	585.9	578.7	577.4	576.6	577.4	578.7	585.9	591.6	598.9	612.2	629.2
22.5°	554.8	547.2	544.2	541.7	544.2	547.2	554.8	559.3	565.9	576.3	587.8
25°	501.8	499.0	497.4	496.5	497.4	499.0	501.8	505.9	512.3	526.5	538.6
27.5°	460.3	454.1	452.9	450.8	452.9	454.1	460.3	467.5	474.3	480.6	491.5
30°	436.7	434.7	431.9	429.4	431.9	434.7	436.7	440.4	444.8	455.7	466.3
32.5°	408.9	407.2	404.7	403.5	404.7	407.2	408.9	413.8	423.1	429.8	437.4
35°	378.1	372.4	370.0	366.4	370.0	372.4	378.1	382.1	385.8	391.4	405.2
37.5°	345.5	342.5	339.1	340.3	339.1	342.5	345.5	347.2	354.9	362.7	368.7
40°	320.3	318.2	317.4	317.0	317.4	318.2	320.3	325.5	334.9	338.4	347.4
42.5°	300.2	294.6	292.6	292.5	292.6	294.6	300.2	306.1	311.9	317.7	327.0
45°	269.7	264.4	260.8	261.3	260.8	264.4	269.7	271.7	276.6	288.4	293.6
47.5°	238.5	238.4	236.1	236.8	236.1	238.4	238.5	242.0	248.2	255.4	263.8
50°	223.6	221.2	219.6	220.0	219.6	221.2	223.6	226.5	230.0	233.7	246.7
52.5°	209.4	207.3	206.0	207.7	206.0	207.3	209.4	211.0	213.6	217.2	225.9
55°	186.0	183.5	183.2	182.8	183.2	183.5	186.0	188.1	191.2	194.1	198.1
57.5°	159.9	158.3	155.8	154.8	155.8	158.3	159.9	162.9	166.8	170.5	174.7
60°	141.1	137.9	133.9	133.4	133.9	137.9	141.1	146.4	148.0	153.7	158.5
62.5°	124.0	123.3	122.6	122.5	122.6	123.3	124.0	125.6	127.9	136.2	142.0
65°	108.8	108.4	108.8	109.2	108.8	108.4	108.8	109.6	110.0	110.8	113.2
67.5°	94.8	94.0	93.3	93.6	93.3	94.0	94.8	95.0	96.1	96.6	98.2
70°	84.1	83.7	83.3	83.3	83.3	83.7	84.1	84.9	85.7	86.5	88.6
72.5°	73.8	73.7	73.3	73.0	73.3	73.7	73.8	75.2	75.7	76.5	77.9
75°	59.0	58.2	58.2	58.2	58.2	58.2	59.0	59.4	59.8	61.1	61.9
77.5°	45.0	44.6	44.1	43.8	44.1	44.6	45.0	45.1	45.7	45.9	46.8
80°	35.6	35.2	34.8	34.8	34.8	35.2	35.6	36.0	36.0	37.2	36.8
82.5°	27.2	26.8	26.7	26.4	26.7	26.8	27.2	27.3	27.3	28.1	28.0
85°	14.6	15.0	14.6	15.4	14.6	15.0	14.6	14.2	14.6	15.4	15.4
87.5°	7.2	6.9	7.2	6.9	7.2	6.9	7.2	7.2	7.4	7.2	7.4
90°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.4	13.5	14.4
92.5°	26.9	25.4	25.7	25.0	25.7	25.4	26.9	27.2	30.0	33.8	39.4
95°	56.0	52.4	51.0	51.5	51.0	52.4	56.0	61.9	71.9	90.8	118.4
97.5°	122.9	111.8	105.2	101.4	105.2	111.8	122.9	144.5	177.1	226.0	276.2
100°	202.4	183.0	169.8	161.8	169.8	183.0	202.4	239.9	294.5	356.5	412.5
102.5°	345.2	312.0	295.6	284.6	295.6	312.0	345.2	385.9	443.9	489.1	501.8
105°	562.9	534.9	515.5	509.1	515.5	534.9	562.9	590.9	605.9	599.9	548.9
107.5°	664.2	662.7	658.8	650.4	658.8	662.7	664.2	660.7	638.8	591.8	514.9
110°	680.8	689.4	693.5	693.0	693.5	689.4	680.8	661.4	624.3	566.5	485.7



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	667.8	682.1	689.8	692.3	689.8	682.1	667.8	640.8	598.3	536.5	458.9
115°	633.3	654.2	665.9	669.9	665.9	654.2	633.3	601.3	554.8	495.6	426.0
117.5°	592.4	614.3	626.7	630.1	626.7	614.3	592.4	559.7	516.0	462.3	401.2
120°	565.6	586.8	599.9	604.4	599.9	586.8	565.6	534.0	492.9	445.0	389.0
122.5°	541.4	562.3	573.9	577.7	573.9	562.3	541.4	513.0	475.9	430.6	379.2
125°	511.4	528.5	539.9	543.5	539.9	528.5	511.4	485.2	451.3	411.5	365.0
127.5°	484.7	500.8	510.6	513.5	510.6	500.8	484.7	461.9	430.6	393.2	351.0
130°	468.5	483.9	492.9	496.5	492.9	483.9	468.5	446.3	416.5	380.9	342.0
132.5°	451.9	467.2	475.5	478.8	475.5	467.2	451.9	430.1	402.1	369.3	333.4
135°	425.6	440.5	448.6	450.4	448.6	440.5	425.6	406.2	380.9	351.0	321.2
137.5°	399.9	412.7	419.9	422.6	419.9	412.7	399.9	382.2	360.1	336.5	311.6
140°	382.2	394.0	400.7	403.5	400.7	394.0	382.2	367.7	347.8	327.1	305.4
142.5°	367.0	377.7	383.7	384.3	383.7	377.7	367.0	353.3	336.7	318.8	300.3
145°	346.0	353.7	358.2	359.6	358.2	353.7	346.0	335.3	322.1	308.1	293.2
147.5°	328.9	335.0	338.1	338.9	338.1	335.0	328.9	320.0	310.4	299.4	287.7
150°	318.1	323.4	326.1	326.6	326.1	323.4	318.1	311.2	303.2	293.7	283.7
152.5°	309.3	314.1	316.1	316.2	316.1	314.1	309.3	304.0	297.0	289.0	279.7
155°	298.2	301.3	303.2	302.2	303.2	301.3	298.2	293.2	288.2	281.5	274.3
157.5°	286.9	289.6	290.4	290.4	290.4	289.6	286.9	283.4	279.6	273.9	267.8
160°	280.1	282.3	282.8	282.8	282.8	282.3	280.1	276.9	273.8	268.8	263.8
162.5°	273.9	275.5	275.9	275.6	275.9	275.5	273.9	270.8	268.4	264.1	259.8
165°	263.8	265.6	265.6	265.2	265.6	265.6	263.8	262.1	260.2	257.1	253.9
167.5°	255.2	256.3	256.2	255.6	256.2	256.3	255.2	254.4	252.8	250.6	248.2
170°	249.9	251.2	250.7	249.9	250.7	251.2	249.9	249.4	248.5	246.7	245.3
172.5°	245.5	246.1	245.7	245.1	245.7	246.1	245.5	245.0	244.5	243.0	242.1
175°	239.9	240.3	239.9	239.0	239.9	240.3	239.9	239.9	239.5	239.0	238.5
177.5°	236.4	236.4	236.0	235.3	236.0	236.4	236.4	236.4	236.4	236.0	236.0
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1119.1	1123.6	1130.4	1134.3	1140.8	1145.0	1147.3	1151.5	1153.7	1161.8	1170.3
5°	1056.6	1063.1	1074.4	1084.9	1096.2	1107.9	1116.5	1126.2	1135.0	1150.4	1166.6
7.5°	985.0	994.0	1011.5	1028.3	1048.0	1064.5	1079.2	1095.7	1110.6	1132.6	1155.6
10°	931.3	947.1	970.1	985.9	1011.8	1028.3	1051.4	1069.5	1090.2	1119.3	1145.2
12.5°	885.0	904.0	922.5	944.4	967.7	995.3	1020.6	1044.0	1068.5	1098.6	1129.0
15°	801.1	828.5	857.3	879.5	911.1	940.2	969.7	1001.2	1031.2	1067.1	1106.8
17.5°	693.0	724.8	773.2	811.3	848.3	877.5	914.0	952.2	987.5	1030.9	1075.0
20°	644.2	667.7	700.4	751.7	807.6	838.7	875.8	917.9	958.4	1005.7	1053.0
22.5°	605.0	625.9	652.2	692.2	754.5	796.9	835.8	878.5	925.3	973.7	1026.1
25°	549.1	563.7	591.2	623.5	666.4	736.3	778.8	821.7	872.7	924.4	984.2
27.5°	507.2	520.2	538.1	569.0	600.9	651.1	718.7	765.4	816.2	874.4	936.5
30°	475.2	490.5	510.3	532.2	567.0	606.2	673.7	727.9	778.0	837.9	904.2
32.5°	451.9	464.0	480.9	503.0	532.0	569.6	623.5	689.4	738.2	801.3	870.5
35°	413.7	427.9	441.6	462.6	486.1	520.5	561.3	631.6	680.2	742.4	812.0
37.5°	382.2	390.9	406.1	422.7	447.5	473.1	508.5	571.6	624.1	685.2	756.5
40°	358.3	369.2	380.5	399.1	419.3	444.0	478.8	525.7	585.9	645.8	715.3
42.5°	335.0	348.8	360.8	373.2	395.4	420.1	448.4	488.1	549.7	606.3	673.9
45°	306.9	315.8	328.4	342.1	360.3	381.4	406.4	441.2	500.2	549.1	612.6
47.5°	274.3	287.2	295.4	308.9	326.1	346.2	369.6	399.6	447.4	493.3	552.2
50°	251.9	265.3	277.0	289.1	304.5	323.9	343.3	372.4	410.8	459.0	514.0
52.5°	232.8	244.5	256.0	268.1	283.1	301.0	319.4	344.9	377.9	422.1	475.5
55°	206.6	213.9	225.6	237.7	251.1	268.1	285.9	307.3	335.6	372.8	416.1
57.5°	179.7	188.2	197.5	209.7	223.2	236.2	252.2	271.6	294.0	327.6	364.6
60°	164.6	171.0	178.7	191.2	203.8	215.6	230.9	247.1	268.1	297.2	328.8
62.5°	147.7	153.9	161.0	171.8	184.1	194.8	208.3	225.4	243.2	269.7	297.4
65°	119.7	128.6	135.5	145.2	155.3	166.6	177.1	190.8	206.6	227.7	252.3
67.5°	99.3	103.8	110.1	119.0	129.3	139.0	149.0	159.7	173.4	189.6	209.2
70°	90.2	91.8	93.0	101.5	111.2	120.9	130.2	140.3	152.0	165.4	182.4
72.5°	79.5	81.1	82.6	86.3	94.0	103.8	113.4	120.9	132.0	143.1	156.9
75°	63.1	65.5	66.7	68.8	71.6	78.0	86.9	94.2	100.7	109.2	120.1
77.5°	48.0	49.4	50.7	52.8	54.6	57.6	62.6	69.2	75.2	80.2	87.7
80°	38.0	38.4	40.0	40.9	43.3	45.3	47.7	53.0	59.0	61.1	66.3
82.5°	28.6	29.1	30.3	31.1	32.2	34.0	37.1	38.4	43.2	45.9	49.2
85°	15.8	15.4	16.6	16.6	17.3	18.2	19.0	21.0	22.3	25.5	26.3
87.5°	7.8	7.9	8.2	7.6	7.0	7.2	7.2	7.4	7.8	8.5	9.5
90°	14.9	15.4	14.9	12.2	9.0	6.8	5.4	4.5	3.6	1.8	0.5
92.5°	49.6	58.7	57.9	45.1	30.7	20.5	16.2	13.2	11.2	7.9	5.5
95°	155.0	177.1	156.8	104.3	65.0	44.3	33.4	26.2	22.1	17.6	15.8
97.5°	317.1	302.3	227.7	140.6	85.9	59.7	47.5	39.1	33.0	28.2	25.7
100°	421.9	356.9	245.7	148.2	93.1	69.2	56.5	47.5	40.2	36.1	34.8
102.5°	461.0	358.7	238.9	148.5	99.6	77.4	64.8	55.4	48.2	44.1	43.1
105°	455.0	334.8	225.5	150.9	110.7	89.4	76.8	66.9	60.0	57.0	55.1
107.5°	415.3	309.1	218.7	157.1	122.1	101.5	88.7	78.9	72.6	69.6	68.1
110°	390.3	296.8	217.3	162.2	129.7	109.8	96.6	87.2	81.4	78.6	76.8



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	373.0	288.8	217.7	167.6	136.9	117.7	104.3	95.1	89.6	86.6	84.8
115°	351.5	280.1	219.6	175.7	148.2	128.7	116.5	107.5	102.1	99.4	97.1
117.5°	337.9	275.8	222.8	184.4	158.6	140.6	127.9	119.3	114.5	111.8	110.0
120°	330.7	273.3	225.0	190.2	165.8	148.2	135.5	126.5	122.4	119.7	117.9
122.5°	324.6	271.9	227.5	195.3	172.7	156.1	143.1	134.1	129.7	127.0	125.5
125°	315.8	269.3	231.3	203.3	183.0	166.7	154.1	145.0	139.6	136.9	135.5
127.5°	307.7	267.8	235.2	210.8	192.6	176.7	163.7	155.0	149.1	145.3	143.5
130°	302.2	267.0	238.1	215.5	198.4	182.5	169.8	160.8	154.5	150.0	148.2
132.5°	297.9	266.6	241.0	220.2	203.4	188.3	175.6	166.3	159.5	154.7	152.5
135°	291.8	266.1	244.4	226.3	210.6	196.1	183.4	173.0	166.3	160.8	159.0
137.5°	287.6	266.0	247.5	231.0	216.3	202.0	190.3	180.0	172.8	167.3	165.2
140°	285.1	265.6	248.9	233.5	219.6	206.0	194.2	184.3	177.1	171.7	169.8
142.5°	282.6	265.6	250.0	235.8	222.1	208.9	197.9	188.3	181.1	176.0	174.6
145°	279.2	264.7	251.2	238.5	225.9	213.7	203.7	194.7	187.9	183.4	181.6
147.5°	275.8	263.1	251.5	240.1	228.9	217.5	208.7	201.1	194.9	190.5	189.2
150°	272.9	262.1	251.2	240.8	230.4	220.0	211.9	205.1	199.2	195.6	194.2
152.5°	270.4	260.2	250.5	241.1	231.9	222.5	215.2	208.7	203.6	199.9	199.3
155°	265.6	257.1	249.4	241.7	234.0	226.3	219.6	214.6	209.6	206.9	206.4
157.5°	261.2	253.8	247.3	241.7	235.5	229.0	223.4	219.4	215.1	212.9	212.4
160°	257.9	251.7	246.2	241.7	236.3	230.8	225.9	222.3	218.6	216.8	216.4
162.5°	255.1	249.9	245.1	241.3	236.6	232.0	228.1	224.8	221.9	220.1	220.4
165°	250.3	246.2	243.0	240.3	237.2	233.1	230.4	228.1	225.5	224.5	225.0
167.5°	245.6	243.0	241.0	239.7	237.1	234.1	232.4	230.8	229.0	228.2	228.8
170°	243.0	241.2	239.9	239.0	236.7	234.5	233.1	232.2	230.8	230.4	231.3
172.5°	240.5	239.1	238.4	237.9	236.4	234.8	233.9	233.3	232.0	232.2	232.7
175°	237.2	236.7	236.3	236.7	235.8	234.9	234.5	234.5	233.5	234.0	234.5
177.5°	235.3	234.9	235.3	236.0	235.3	234.9	234.9	234.9	234.2	234.6	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1170.6	1171.6	1178.1	1180.9	1186.8	1189.0	1191.6	1191.0	1191.0	1192.2	1201.3
5°	1173.1	1181.1	1193.3	1205.0	1216.3	1226.1	1232.6	1239.0	1241.4	1253.2	1263.7
7.5°	1168.9	1183.8	1203.8	1221.7	1243.1	1259.9	1273.7	1286.3	1294.9	1311.9	1329.4
10°	1163.4	1184.4	1207.0	1230.1	1259.6	1281.8	1304.5	1321.9	1327.5	1353.0	1367.6
12.5°	1152.4	1180.5	1209.3	1239.1	1268.0	1298.7	1323.6	1341.0	1360.9	1383.8	1410.6
15°	1135.9	1168.2	1205.9	1244.3	1285.5	1322.7	1349.4	1379.7	1401.5	1426.6	1450.1
17.5°	1112.1	1153.8	1201.7	1246.1	1293.8	1333.8	1370.5	1399.6	1415.0	1429.3	1432.7
20°	1093.4	1138.3	1194.5	1247.1	1294.8	1340.9	1377.3	1401.5	1405.6	1406.0	1384.6
22.5°	1073.0	1123.7	1182.6	1236.4	1293.5	1344.8	1373.1	1383.5	1367.4	1340.0	1298.5
25°	1035.6	1094.2	1162.6	1224.0	1286.3	1334.8	1344.6	1326.4	1270.1	1211.1	1136.3
27.5°	995.0	1060.9	1134.2	1202.5	1268.8	1298.9	1277.9	1212.4	1111.1	1023.1	916.5
30°	965.3	1039.3	1111.2	1187.6	1249.1	1262.0	1213.9	1117.3	999.2	866.6	760.3
32.5°	931.3	1008.8	1087.9	1167.0	1218.4	1205.8	1126.2	1007.3	868.9	738.5	637.9
35°	882.7	962.8	1048.1	1127.4	1160.2	1105.6	986.7	831.8	690.2	568.5	499.4
37.5°	826.7	913.9	1002.6	1075.4	1073.0	982.1	820.1	660.3	541.3	469.3	420.1
40°	786.9	875.0	970.9	1032.4	1006.1	887.6	712.1	561.3	474.4	416.9	380.9
42.5°	748.8	837.2	932.4	981.3	935.6	789.9	615.1	496.9	425.2	380.3	351.2
45°	683.8	777.2	865.4	892.5	810.8	650.2	497.4	411.6	363.9	330.8	310.5
47.5°	620.3	712.2	792.7	793.1	682.6	527.3	419.5	356.2	315.5	289.9	275.1
50°	581.5	668.8	736.3	725.9	600.5	469.1	375.3	320.7	286.7	266.9	251.5
52.5°	537.8	622.6	681.0	651.1	530.9	412.8	335.5	289.6	261.5	244.2	230.5
55°	474.4	549.5	590.8	545.5	433.1	343.3	283.4	247.5	226.5	211.9	200.2
57.5°	411.9	474.0	499.9	447.3	356.7	284.7	239.8	212.8	191.9	181.5	175.4
60°	372.8	425.8	444.0	385.8	310.1	249.1	212.3	187.2	171.8	165.0	158.9
62.5°	334.3	377.6	385.2	331.8	270.4	218.0	186.4	165.2	155.0	148.5	142.8
65°	277.4	308.6	304.9	262.1	213.9	173.1	150.0	137.0	129.4	120.1	110.0
67.5°	228.4	247.4	235.9	203.8	163.3	134.5	119.5	109.6	100.1	91.3	89.0
70°	197.3	208.3	196.1	166.6	133.9	112.8	100.7	89.0	83.3	81.3	77.6
72.5°	167.5	171.3	158.3	132.9	108.9	93.4	81.6	75.0	72.0	70.3	68.0
75°	125.8	122.9	111.6	91.8	75.7	65.1	61.5	59.0	57.0	55.4	54.2
77.5°	88.3	84.2	74.1	61.2	52.7	47.6	45.5	44.1	43.2	42.4	41.2
80°	66.3	63.5	53.4	43.6	40.0	37.6	36.4	34.8	34.8	34.0	32.7
82.5°	48.6	45.4	36.5	32.0	30.0	28.5	27.6	26.7	26.4	26.5	25.7
85°	25.5	20.6	18.2	17.3	16.2	15.4	15.8	15.0	15.0	15.0	14.6
87.5°	8.2	6.9	6.7	6.6	7.2	7.6	7.9	8.5	8.9	8.5	8.7
90°	1.8	3.6	4.5	5.4	6.8	9.0	12.2	14.9	15.4	14.9	14.4
92.5°	7.9	11.2	13.2	16.2	20.5	30.7	45.1	57.9	58.7	49.6	39.4
95°	17.6	22.1	26.2	33.4	44.3	65.0	104.3	156.8	177.1	155.0	118.4
97.5°	28.2	33.0	39.1	47.5	59.7	85.9	140.6	227.7	302.3	317.1	276.2
100°	36.1	40.2	47.5	56.5	69.2	93.1	148.2	245.7	356.9	421.9	412.5
102.5°	44.1	48.2	55.4	64.8	77.4	99.6	148.5	238.9	358.7	461.0	501.8
105°	57.0	60.0	66.9	76.8	89.4	110.7	150.9	225.5	334.8	455.0	548.9
107.5°	69.6	72.6	78.9	88.7	101.5	122.1	157.1	218.7	309.1	415.3	514.9
110°	78.6	81.4	87.2	96.6	109.8	129.7	162.2	217.3	296.8	390.3	485.7



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	86.6	89.6	95.1	104.3	117.7	136.9	167.6	217.7	288.8	373.0	458.9
115°	99.4	102.1	107.5	116.5	128.7	148.2	175.7	219.6	280.1	351.5	426.0
117.5°	111.8	114.5	119.3	127.9	140.6	158.6	184.4	222.8	275.8	337.9	401.2
120°	119.7	122.4	126.5	135.5	148.2	165.8	190.2	225.0	273.3	330.7	389.0
122.5°	127.0	129.7	134.1	143.1	156.1	172.7	195.3	227.5	271.9	324.6	379.2
125°	136.9	139.6	145.0	154.1	166.7	183.0	203.3	231.3	269.3	315.8	365.0
127.5°	145.3	149.1	155.0	163.7	176.7	192.6	210.8	235.2	267.8	307.7	351.0
130°	150.0	154.5	160.8	169.8	182.5	198.4	215.5	238.1	267.0	302.2	342.0
132.5°	154.7	159.5	166.3	175.6	188.3	203.4	220.2	241.0	266.6	297.9	333.4
135°	160.8	166.3	173.0	183.4	196.1	210.6	226.3	244.4	266.1	291.8	321.2
137.5°	167.3	172.8	180.0	190.3	202.0	216.3	231.0	247.5	266.0	287.6	311.6
140°	171.7	177.1	184.3	194.2	206.0	219.6	233.5	248.9	265.6	285.1	305.4
142.5°	176.0	181.1	188.3	197.9	208.9	222.1	235.8	250.0	265.6	282.6	300.3
145°	183.4	187.9	194.7	203.7	213.7	225.9	238.5	251.2	264.7	279.2	293.2
147.5°	190.5	194.9	201.1	208.7	217.5	228.9	240.1	251.5	263.1	275.8	287.7
150°	195.6	199.2	205.1	211.9	220.0	230.4	240.8	251.2	262.1	272.9	283.7
152.5°	199.9	203.6	208.7	215.2	222.5	231.9	241.1	250.5	260.2	270.4	279.7
155°	206.9	209.6	214.6	219.6	226.3	234.0	241.7	249.4	257.1	265.6	274.3
157.5°	212.9	215.1	219.4	223.4	229.0	235.5	241.7	247.3	253.8	261.2	267.8
160°	216.8	218.6	222.3	225.9	230.8	236.3	241.7	246.2	251.7	257.9	263.8
162.5°	220.1	221.9	224.8	228.1	232.0	236.6	241.3	245.1	249.9	255.1	259.8
165°	224.5	225.5	228.1	230.4	233.1	237.2	240.3	243.0	246.2	250.3	253.9
167.5°	228.2	229.0	230.8	232.4	234.1	237.1	239.7	241.0	243.0	245.6	248.2
170°	230.4	230.8	232.2	233.1	234.5	236.7	239.0	239.9	241.2	243.0	245.3
172.5°	232.2	232.0	233.3	233.9	234.8	236.4	237.9	238.4	239.1	240.5	242.1
175°	234.0	233.5	234.5	234.5	234.9	235.8	236.7	236.3	236.7	237.2	238.5
177.5°	234.6	234.2	234.9	234.9	234.9	235.3	236.0	235.3	234.9	235.3	236.0
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1204.5	1208.7	1210.7	1210.7	1213.0	1212.0	1211.0
5°	1273.7	1281.4	1283.1	1290.4	1295.6	1294.0	1294.8
7.5°	1342.6	1354.9	1367.1	1372.8	1373.6	1376.9	1378.1
10°	1385.0	1395.1	1414.1	1411.3	1425.4	1433.5	1420.1
12.5°	1425.8	1439.4	1452.5	1456.2	1464.3	1466.8	1461.6
15°	1462.6	1469.9	1470.7	1468.7	1471.1	1469.1	1461.4
17.5°	1428.1	1416.3	1392.4	1381.1	1372.1	1358.8	1353.5
20°	1371.2	1336.4	1296.0	1279.8	1260.8	1223.6	1232.6
22.5°	1248.3	1208.6	1168.2	1121.0	1098.4	1063.2	1061.0
25°	1057.0	988.7	913.5	860.9	830.2	795.0	779.7
27.5°	821.8	735.8	674.1	642.9	614.6	586.7	585.5
30°	667.2	602.5	554.8	528.1	510.7	499.0	501.5
32.5°	562.4	518.1	485.9	463.7	450.9	442.0	441.9
35°	459.8	429.4	408.8	399.5	390.2	383.7	384.1
37.5°	393.5	375.3	363.8	353.5	347.7	344.5	342.8
40°	359.5	344.5	335.6	329.5	324.7	320.3	319.5
42.5°	332.6	320.3	311.3	306.6	302.1	298.9	298.1
45°	295.2	285.1	277.0	271.7	269.7	266.9	266.9
47.5°	262.6	252.6	246.4	243.0	239.6	237.7	237.6
50°	240.6	232.9	227.3	225.2	222.4	221.2	220.8
52.5°	220.9	215.2	211.1	209.7	208.5	206.9	207.2
55°	194.1	190.8	189.3	188.1	186.0	183.5	185.2
57.5°	171.5	168.8	164.5	160.7	158.8	157.1	157.7
60°	155.7	150.0	144.3	139.9	138.7	135.1	135.1
62.5°	135.6	127.7	120.7	118.3	117.0	115.3	115.0
65°	104.3	101.1	99.5	97.8	97.0	97.0	96.3
67.5°	86.4	85.2	83.4	82.9	82.1	81.9	81.7
70°	76.4	74.8	74.0	73.6	72.8	73.2	72.0
72.5°	66.7	65.4	65.3	64.2	63.7	63.8	62.9
75°	52.6	52.6	52.1	51.7	50.9	50.5	50.9
77.5°	40.4	40.5	39.8	39.7	39.6	39.7	39.3
80°	32.3	32.7	32.3	31.9	31.5	31.9	31.5
82.5°	25.6	25.0	24.9	24.8	24.7	24.5	24.4
85°	14.6	15.0	14.6	14.2	14.2	14.2	14.6
87.5°	8.2	8.4	8.5	8.5	8.5	8.5	8.2
90°	13.5	14.4	14.9	14.9	14.9	14.9	14.9
92.5°	33.8	30.0	27.2	26.9	25.4	25.7	25.0
95°	90.8	71.9	61.9	56.0	52.4	51.0	51.5
97.5°	226.0	177.1	144.5	122.9	111.8	105.2	101.4
100°	356.5	294.5	239.9	202.4	183.0	169.8	161.8
102.5°	489.1	443.9	385.9	345.2	312.0	295.6	284.6
105°	599.9	605.9	590.9	562.9	534.9	515.5	509.1
107.5°	591.8	638.8	660.7	664.2	662.7	658.8	650.4
110°	566.5	624.3	661.4	680.8	689.4	693.5	693.0



TEST NUMBER: P331683-927

CATALOG NUMBER: SA2XXRDIP-C675D530U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	536.5	598.3	640.8	667.8	682.1	689.8	692.3
115°	495.6	554.8	601.3	633.3	654.2	665.9	669.9
117.5°	462.3	516.0	559.7	592.4	614.3	626.7	630.1
120°	445.0	492.9	534.0	565.6	586.8	599.9	604.4
122.5°	430.6	475.9	513.0	541.4	562.3	573.9	577.7
125°	411.5	451.3	485.2	511.4	528.5	539.9	543.5
127.5°	393.2	430.6	461.9	484.7	500.8	510.6	513.5
130°	380.9	416.5	446.3	468.5	483.9	492.9	496.5
132.5°	369.3	402.1	430.1	451.9	467.2	475.5	478.8
135°	351.0	380.9	406.2	425.6	440.5	448.6	450.4
137.5°	336.5	360.1	382.2	399.9	412.7	419.9	422.6
140°	327.1	347.8	367.7	382.2	394.0	400.7	403.5
142.5°	318.8	336.7	353.3	367.0	377.7	383.7	384.3
145°	308.1	322.1	335.3	346.0	353.7	358.2	359.6
147.5°	299.4	310.4	320.0	328.9	335.0	338.1	338.9
150°	293.7	303.2	311.2	318.1	323.4	326.1	326.6
152.5°	289.0	297.0	304.0	309.3	314.1	316.1	316.2
155°	281.5	288.2	293.2	298.2	301.3	303.2	302.2
157.5°	273.9	279.6	283.4	286.9	289.6	290.4	290.4
160°	268.8	273.8	276.9	280.1	282.3	282.8	282.8
162.5°	264.1	268.4	270.8	273.9	275.5	275.9	275.6
165°	257.1	260.2	262.1	263.8	265.6	265.6	265.2
167.5°	250.6	252.8	254.4	255.2	256.3	256.2	255.6
170°	246.7	248.5	249.4	249.9	251.2	250.7	249.9
172.5°	243.0	244.5	245.0	245.5	246.1	245.7	245.1
175°	239.0	239.5	239.9	239.9	240.3	239.9	239.0
177.5°	236.0	236.4	236.4	236.4	236.4	236.0	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9

(END OF REPORT)