

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: P331689-935

Luminaire Tested: **SA2XXRDIP-C675D725U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331689-935  
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-C675D725U935-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

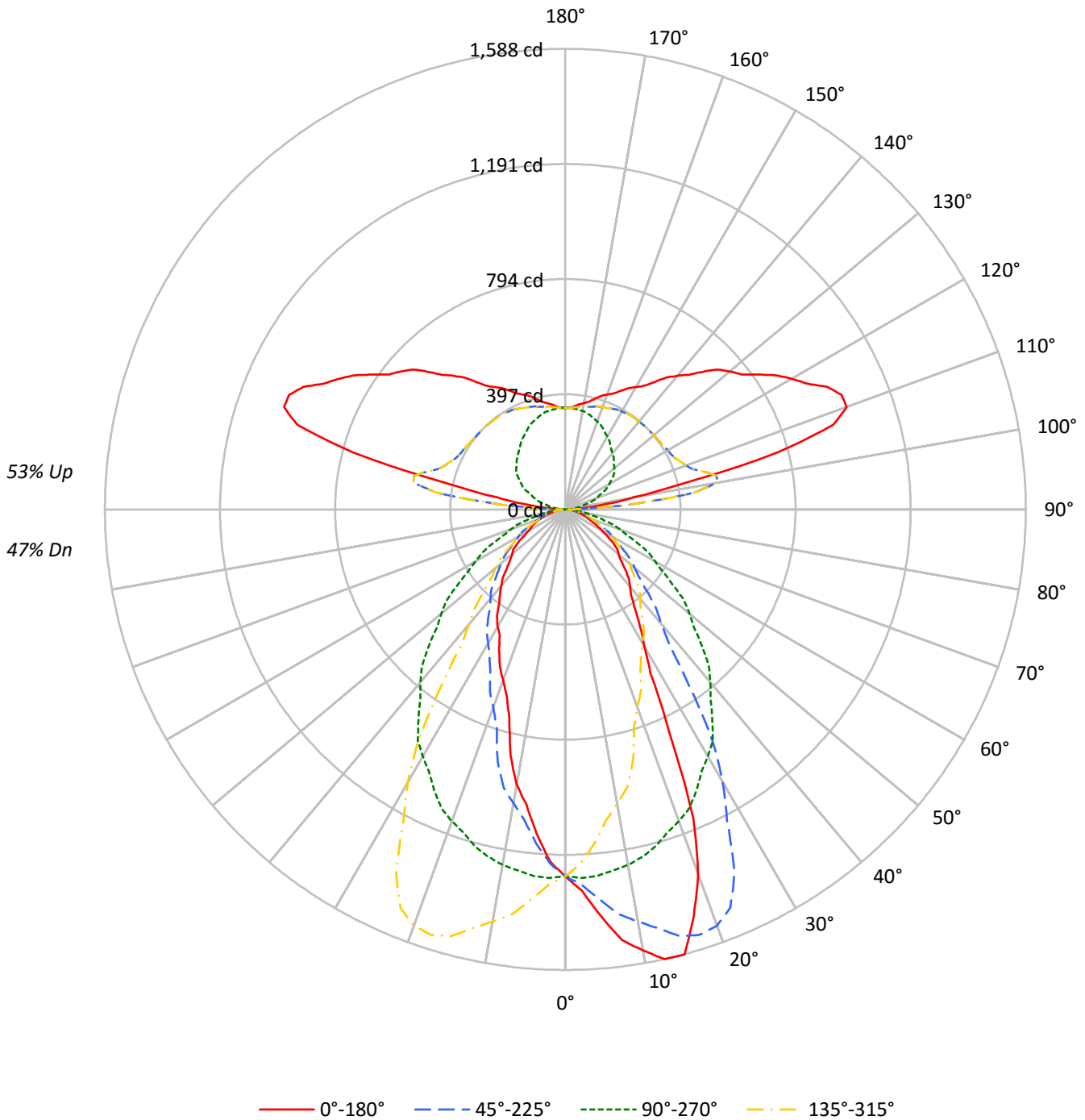
Lumens per Lamp: N/A  
Luminaire Lumens: 4624.6 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 45.9  
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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47	
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	49	48	47	41	41	41	41	
2	90	83	77	72	82	77	72	67	65	61	58	54	51	49	44	42	41	36	36	36	36	
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35	31	31	31	31	
4	76	66	58	53	70	61	54	49	52	47	43	44	40	37	36	33	31	28	28	28	28	
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28	25	25	25	25	
6	65	53	46	40	60	50	43	38	43	37	33	36	32	29	30	27	25	22	22	22	22	
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	23	20	20	20	20	
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21	18	18	18	18	
9	52	41	33	29	48	38	31	27	33	28	24	28	24	22	24	21	19	17	17	17	17	
10	49	37	30	26	45	35	29	25	31	26	22	26	22	20	22	19	17	15	15	15	15	

**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	2.6
10°-20°	334.1	7.2
20°-30°	430.5	9.3
30°-40°	409.1	8.8
40°-50°	350.5	7.6
50°-60°	266.9	5.8
60°-70°	168.7	3.6
70°-80°	84.3	1.8
80°-90°	25.1	0.5
90°-100°	139.9	3.0
100°-110°	474.9	10.3
110°-120°	504.5	10.9
120°-130°	415.3	9.0
130°-140°	333.5	7.2
140°-150°	252.0	5.4
150°-160°	177.1	3.8
160°-170°	104.3	2.3
170°-180°	33.9	0.7
0°-30°	884.5	19.1
0°-40°	1293.7	28.0
0°-60°	1911.1	41.3
0°-90°	2189.1	47.3
90°-120°	1119.3	24.2
90°-150°	2120.1	45.8
90°-180°	2435.0	52.7
0°-180°	4624.6	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	18
90°	22	1	22	1	22	13
95°	77	24	77	24	77	100
105°	758	82	758	82	758	734
115°	998	145	998	145	998	977
125°	810	202	810	202	810	732
135°	671	237	671	237	671	521
145°	536	270	536	270	536	340
155°	450	308	450	308	450	210
165°	395	335	395	335	395	113
175°	356	349	356	349	356	35
180°	350	350	350	350	350	



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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°	10.1	10.4	10.4	10.4	10.4	10.2	10.0	10.7	10.4	10.9	10.4
90°	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5	22.2	22.9	22.2
92.5°	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7	73.9	87.5	86.3
95°	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3	230.8	263.8	233.6
97.5°	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5	472.5	450.4	339.2
100°	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5	628.6	531.7	366.1
102.5°	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5	686.7	534.4	355.9
105°	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8	677.8	498.7	335.9
107.5°	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2	618.6	460.5	325.9
110°	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5	581.5	442.2	323.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7	555.7	430.3	324.3
115°	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6	523.7	417.3	327.1
117.5°	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8	503.4	411.0	331.9
120°	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5	492.7	407.2	335.2
122.5°	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0	483.5	405.0	339.0
125°	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8	470.5	401.1	344.6
127.5°	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0	458.3	398.8	350.4
130°	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5	450.3	397.8	354.7
132.5°	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5	443.8	397.3	359.0
135°	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5	434.8	396.4	364.1
137.5°	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2	428.4	396.3	368.7
140°	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0	424.7	395.7	370.8
142.5°	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5	420.9	395.7	372.5
145°	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8	415.9	394.4	374.2
147.5°	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6	410.9	392.0	374.8
150°	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7	406.5	390.4	374.2
152.5°	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7	402.8	387.7	373.2
155°	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5	395.7	383.0	371.5
157.5°	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0	389.2	378.2	368.4
160°	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0	384.4	374.9	366.8
162.5°	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1	380.0	372.2	365.2
165°	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2	372.9	366.8	362.1
167.5°	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8	365.8	362.1	359.0
170°	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5	362.1	359.4	357.4
172.5°	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6	358.3	356.2	355.2
175°	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3	353.4	352.7	352.0
177.5°	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6	350.5	350.0	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



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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°	9.6	9.0	8.4	7.6	7.7	7.7	9.0	10.3	9.3	8.8	8.4
90°	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7	2.7	5.4	6.7
92.5°	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2	11.9	16.7	19.6
95°	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6	26.3	33.0	39.0
97.5°	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4	42.0	49.2	58.3
100°	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8	53.8	59.9	70.7
102.5°	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2	65.7	71.7	82.5
105°	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1	84.8	89.5	99.6
107.5°	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5	103.7	108.2	117.5
110°	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4	117.1	121.1	129.9





TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2	129.0	133.5	141.7
115°	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7	148.1	152.1	160.1
117.5°	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8	166.5	170.6	177.7
120°	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6	178.4	182.4	188.5
122.5°	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0	189.2	193.1	199.8
125°	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9	204.0	207.9	216.0
127.5°	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8	216.5	222.1	231.0
130°	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8	223.4	230.1	239.6
132.5°	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2	230.5	237.7	247.7
135°	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9	239.6	247.7	257.8
137.5°	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1	249.3	257.4	268.1
140°	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0	255.7	263.8	274.6
142.5°	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0	262.3	269.8	280.5
145°	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5	273.3	280.0	290.1
147.5°	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9	283.9	290.3	299.6
150°	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4	291.4	296.8	305.6
152.5°	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0	297.9	303.2	310.9
155°	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5	308.2	312.3	319.7
157.5°	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5	317.1	320.4	326.8
160°	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4	323.0	325.7	331.1
162.5°	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3	327.9	330.6	334.9
165°	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2	334.5	335.9	339.9
167.5°	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9	340.0	341.2	343.8
170°	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6	343.3	343.9	345.9
172.5°	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7	345.9	345.5	347.6
175°	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3	348.6	347.9	349.3
177.5°	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5	349.5	348.9	350.0
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-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°	8.3	8.4	8.4	9.3	10.1	9.8	9.7	9.2	9.0	9.2	9.0
90°	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5	20.2	21.5	22.2
92.5°	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7	50.4	44.7	40.6
95°	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3	135.3	107.0	92.2
97.5°	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5	336.7	263.8	215.2
100°	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5	531.1	438.9	357.4
102.5°	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5	728.7	661.2	574.9
105°	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8	893.8	902.6	880.4
107.5°	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2	881.7	951.7	984.3
110°	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5	844.0	930.1	985.3



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7	799.3	891.4	954.7
115°	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6	738.3	826.5	895.8
117.5°	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8	688.8	768.8	833.8
120°	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5	663.0	734.3	795.6
122.5°	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0	641.4	708.9	764.3
125°	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8	613.1	672.4	722.8
127.5°	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0	585.7	641.5	688.1
130°	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5	567.4	620.5	665.0
132.5°	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5	550.2	599.0	640.8
135°	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5	523.0	567.4	605.0
137.5°	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2	501.3	536.6	569.4
140°	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0	487.3	518.2	547.9
142.5°	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5	474.9	501.5	526.3
145°	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8	459.0	479.9	499.4
147.5°	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6	446.1	462.4	476.6
150°	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7	437.5	451.6	463.7
152.5°	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7	430.5	442.5	453.0
155°	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5	419.3	429.4	436.8
157.5°	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0	408.0	416.5	422.2
160°	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0	400.5	407.9	412.6
162.5°	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1	393.5	399.8	403.5
165°	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2	383.0	387.7	390.4
167.5°	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8	373.4	376.6	379.1
170°	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5	367.5	370.1	371.5
172.5°	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6	362.1	364.3	365.1
175°	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3	356.0	356.7	357.4
177.5°	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6	351.6	352.1	352.1
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-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°	9.0	8.7	9.0	8.7	9.0	8.7	9.0	9.0	9.2	9.0	9.2
90°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.5	20.2	21.5
92.5°	40.0	37.8	38.4	37.3	38.4	37.8	40.0	40.6	44.7	50.4	58.7
95°	83.4	78.1	76.0	76.7	76.0	78.1	83.4	92.2	107.0	135.3	176.3
97.5°	183.0	166.5	156.7	151.0	156.7	166.5	183.0	215.2	263.8	336.7	411.5
100°	301.5	272.6	253.0	240.9	253.0	272.6	301.5	357.4	438.9	531.1	614.5
102.5°	514.2	464.8	440.4	424.0	440.4	464.8	514.2	574.9	661.2	728.7	747.5
105°	838.6	796.9	767.9	758.5	767.9	796.9	838.6	880.4	902.6	893.8	817.8
107.5°	989.5	987.2	981.5	968.9	981.5	987.2	989.5	984.3	951.7	881.7	767.2
110°	1014.3	1027.1	1033.1	1032.4	1033.1	1027.1	1014.3	985.3	930.1	844.0	723.5



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	994.9	1016.3	1027.8	1031.4	1027.8	1016.3	994.9	954.7	891.4	799.3	683.7
115°	943.6	974.6	992.0	998.2	992.0	974.6	943.6	895.8	826.5	738.3	634.6
117.5°	882.5	915.2	933.7	938.7	933.7	915.2	882.5	833.8	768.8	688.8	597.8
120°	842.7	874.3	893.8	900.5	893.8	874.3	842.7	795.6	734.3	663.0	579.5
122.5°	806.6	837.7	855.1	860.7	855.1	837.7	806.6	764.3	708.9	641.4	565.0
125°	761.9	787.5	804.3	809.7	804.3	787.5	761.9	722.8	672.4	613.1	543.8
127.5°	722.2	746.1	760.7	765.0	760.7	746.1	722.2	688.1	641.5	585.7	523.0
130°	697.9	720.8	734.3	739.7	734.3	720.8	697.9	665.0	620.5	567.4	509.5
132.5°	673.2	696.0	708.4	713.3	708.4	696.0	673.2	640.8	599.0	550.2	496.5
135°	634.0	656.3	668.3	671.1	668.3	656.3	634.0	605.0	567.4	523.0	478.5
137.5°	595.8	614.9	625.5	629.6	625.5	614.9	595.8	569.4	536.6	501.3	464.2
140°	569.4	586.9	597.0	601.1	597.0	586.9	569.4	547.9	518.2	487.3	455.0
142.5°	546.8	562.7	571.7	572.5	571.7	562.7	546.8	526.3	501.5	474.9	447.5
145°	515.6	527.0	533.7	535.7	533.7	527.0	515.6	499.4	479.9	459.0	436.8
147.5°	490.0	499.1	503.7	504.9	503.7	499.1	490.0	476.6	462.4	446.1	428.6
150°	473.8	481.9	485.9	486.6	485.9	481.9	473.8	463.7	451.6	437.5	422.7
152.5°	460.9	467.9	470.9	471.0	470.9	467.9	460.9	453.0	442.5	430.5	416.7
155°	444.2	448.9	451.6	450.3	451.6	448.9	444.2	436.8	429.4	419.3	408.5
157.5°	427.5	431.4	432.7	432.7	432.7	431.4	427.5	422.2	416.5	408.0	399.0
160°	417.3	420.7	421.3	421.3	421.3	420.7	417.3	412.6	407.9	400.5	393.0
162.5°	408.1	410.4	411.1	410.5	411.1	410.4	408.1	403.5	399.8	393.5	387.1
165°	393.0	395.7	395.7	395.1	395.7	395.7	393.0	390.4	387.7	383.0	378.2
167.5°	380.3	381.8	381.6	380.8	381.6	381.8	380.3	379.1	376.6	373.4	369.8
170°	372.2	374.2	373.5	372.2	373.5	374.2	372.2	371.5	370.1	367.5	365.5
172.5°	365.8	366.7	366.0	365.2	366.0	366.7	365.8	365.1	364.3	362.1	360.6
175°	357.4	358.1	357.4	356.0	357.4	358.1	357.4	357.4	356.7	356.0	355.3
177.5°	352.1	352.1	351.6	350.5	351.6	352.1	352.1	352.1	352.1	351.6	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-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°	9.7	9.8	10.1	9.3	8.4	8.4	8.3	8.4	8.8	9.3	10.3
90°	22.2	22.9	22.2	18.2	13.4	10.1	8.1	6.7	5.4	2.7	0.7
92.5°	73.9	87.5	86.3	67.2	45.8	30.6	24.2	19.6	16.7	11.9	8.2
95°	230.8	263.8	233.6	155.5	96.9	66.0	49.8	39.0	33.0	26.3	23.6
97.5°	472.5	450.4	339.2	209.5	127.9	88.9	70.7	58.3	49.2	42.0	38.4
100°	628.6	531.7	366.1	220.8	138.6	103.0	84.1	70.7	59.9	53.8	51.8
102.5°	686.7	534.4	355.9	221.3	148.4	115.4	96.5	82.5	71.7	65.7	64.2
105°	677.8	498.7	335.9	224.8	164.9	133.3	114.4	99.6	89.5	84.8	82.1
107.5°	618.6	460.5	325.9	234.1	181.8	151.2	132.2	117.5	108.2	103.7	101.5
110°	581.5	442.2	323.7	241.6	193.1	163.6	144.0	129.9	121.1	117.1	114.4



TEST NUMBER: P331689-935

CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	555.7	430.3	324.3	249.7	204.0	175.4	155.3	141.7	133.5	129.0	126.2
115°	523.7	417.3	327.1	261.8	220.8	191.8	173.7	160.1	152.1	148.1	144.7
117.5°	503.4	411.0	331.9	274.7	236.3	209.5	190.6	177.7	170.6	166.5	163.8
120°	492.7	407.2	335.2	283.4	247.0	220.8	201.9	188.5	182.4	178.4	175.6
122.5°	483.5	405.0	339.0	290.9	257.3	232.6	213.2	199.8	193.1	189.2	187.0
125°	470.5	401.1	344.6	302.9	272.6	248.3	229.5	216.0	207.9	204.0	201.9
127.5°	458.3	398.8	350.4	314.0	286.9	263.3	243.9	231.0	222.1	216.5	213.8
130°	450.3	397.8	354.7	321.1	295.5	271.9	253.0	239.6	230.1	223.4	220.8
132.5°	443.8	397.3	359.0	328.0	303.0	280.5	261.7	247.7	237.7	230.5	227.2
135°	434.8	396.4	364.1	337.2	313.7	292.1	273.3	257.8	247.7	239.6	236.9
137.5°	428.4	396.3	368.7	344.2	322.3	301.0	283.5	268.1	257.4	249.3	246.1
140°	424.7	395.7	370.8	347.9	327.1	306.9	289.4	274.6	263.8	255.7	253.0
142.5°	420.9	395.7	372.5	351.2	330.9	311.3	294.8	280.5	269.8	262.3	260.0
145°	415.9	394.4	374.2	355.3	336.6	318.3	303.5	290.1	280.0	273.3	270.5
147.5°	410.9	392.0	374.8	357.7	341.1	324.0	310.8	299.6	290.3	283.9	281.9
150°	406.5	390.4	374.2	358.7	343.3	327.8	315.6	305.6	296.8	291.4	289.4
152.5°	402.8	387.7	373.2	359.3	345.4	331.6	320.5	310.9	303.2	297.9	297.0
155°	395.7	383.0	371.5	360.1	348.6	337.2	327.1	319.7	312.3	308.2	307.5
157.5°	389.2	378.2	368.4	360.1	350.9	341.2	332.8	326.8	320.4	317.1	316.5
160°	384.4	374.9	366.8	360.1	352.0	343.9	336.6	331.1	325.7	323.0	322.4
162.5°	380.0	372.2	365.2	359.6	352.6	345.5	339.8	334.9	330.6	327.9	328.3
165°	372.9	366.8	362.1	358.1	353.4	347.3	343.3	339.9	335.9	334.5	335.2
167.5°	365.8	362.1	359.0	357.1	353.2	348.8	346.2	343.8	341.2	340.0	340.9
170°	362.1	359.4	357.4	356.0	352.7	349.3	347.3	345.9	343.9	343.3	344.6
172.5°	358.3	356.2	355.2	354.4	352.1	349.8	348.4	347.6	345.5	345.9	346.7
175°	353.4	352.7	352.0	352.7	351.3	350.0	349.3	349.3	347.9	348.6	349.3
177.5°	350.5	350.0	350.5	351.6	350.5	350.0	350.0	350.0	348.9	349.5	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0





TEST NUMBER: P331689-935  
 CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-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°	9.0	7.7	7.7	7.6	8.4	9.0	9.6	10.4	10.9	10.4	10.7
90°	2.7	5.4	6.7	8.1	10.1	13.4	18.2	22.2	22.9	22.2	21.5
92.5°	11.9	16.7	19.6	24.2	30.6	45.8	67.2	86.3	87.5	73.9	58.7
95°	26.3	33.0	39.0	49.8	66.0	96.9	155.5	233.6	263.8	230.8	176.3
97.5°	42.0	49.2	58.3	70.7	88.9	127.9	209.5	339.2	450.4	472.5	411.5
100°	53.8	59.9	70.7	84.1	103.0	138.6	220.8	366.1	531.7	628.6	614.5
102.5°	65.7	71.7	82.5	96.5	115.4	148.4	221.3	355.9	534.4	686.7	747.5
105°	84.8	89.5	99.6	114.4	133.3	164.9	224.8	335.9	498.7	677.8	817.8
107.5°	103.7	108.2	117.5	132.2	151.2	181.8	234.1	325.9	460.5	618.6	767.2
110°	117.1	121.1	129.9	144.0	163.6	193.1	241.6	323.7	442.2	581.5	723.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	129.0	133.5	141.7	155.3	175.4	204.0	249.7	324.3	430.3	555.7	683.7
115°	148.1	152.1	160.1	173.7	191.8	220.8	261.8	327.1	417.3	523.7	634.6
117.5°	166.5	170.6	177.7	190.6	209.5	236.3	274.7	331.9	411.0	503.4	597.8
120°	178.4	182.4	188.5	201.9	220.8	247.0	283.4	335.2	407.2	492.7	579.5
122.5°	189.2	193.1	199.8	213.2	232.6	257.3	290.9	339.0	405.0	483.5	565.0
125°	204.0	207.9	216.0	229.5	248.3	272.6	302.9	344.6	401.1	470.5	543.8
127.5°	216.5	222.1	231.0	243.9	263.3	286.9	314.0	350.4	398.8	458.3	523.0
130°	223.4	230.1	239.6	253.0	271.9	295.5	321.1	354.7	397.8	450.3	509.5
132.5°	230.5	237.7	247.7	261.7	280.5	303.0	328.0	359.0	397.3	443.8	496.5
135°	239.6	247.7	257.8	273.3	292.1	313.7	337.2	364.1	396.4	434.8	478.5
137.5°	249.3	257.4	268.1	283.5	301.0	322.3	344.2	368.7	396.3	428.4	464.2
140°	255.7	263.8	274.6	289.4	306.9	327.1	347.9	370.8	395.7	424.7	455.0
142.5°	262.3	269.8	280.5	294.8	311.3	330.9	351.2	372.5	395.7	420.9	447.5
145°	273.3	280.0	290.1	303.5	318.3	336.6	355.3	374.2	394.4	415.9	436.8
147.5°	283.9	290.3	299.6	310.8	324.0	341.1	357.7	374.8	392.0	410.9	428.6
150°	291.4	296.8	305.6	315.6	327.8	343.3	358.7	374.2	390.4	406.5	422.7
152.5°	297.9	303.2	310.9	320.5	331.6	345.4	359.3	373.2	387.7	402.8	416.7
155°	308.2	312.3	319.7	327.1	337.2	348.6	360.1	371.5	383.0	395.7	408.5
157.5°	317.1	320.4	326.8	332.8	341.2	350.9	360.1	368.4	378.2	389.2	399.0
160°	323.0	325.7	331.1	336.6	343.9	352.0	360.1	366.8	374.9	384.4	393.0
162.5°	327.9	330.6	334.9	339.8	345.5	352.6	359.6	365.2	372.2	380.0	387.1
165°	334.5	335.9	339.9	343.3	347.3	353.4	358.1	362.1	366.8	372.9	378.2
167.5°	340.0	341.2	343.8	346.2	348.8	353.2	357.1	359.0	362.1	365.8	369.8
170°	343.3	343.9	345.9	347.3	349.3	352.7	356.0	357.4	359.4	362.1	365.5
172.5°	345.9	345.5	347.6	348.4	349.8	352.1	354.4	355.2	356.2	358.3	360.6
175°	348.6	347.9	349.3	349.3	350.0	351.3	352.7	352.0	352.7	353.4	355.3
177.5°	349.5	348.9	350.0	350.0	350.0	350.5	351.6	350.5	350.0	350.5	351.6
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0



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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°	10.0	10.2	10.4	10.4	10.4	10.4	10.1
90°	20.2	21.5	22.2	22.2	22.2	22.2	22.2
92.5°	50.4	44.7	40.6	40.0	37.8	38.4	37.3
95°	135.3	107.0	92.2	83.4	78.1	76.0	76.7
97.5°	336.7	263.8	215.2	183.0	166.5	156.7	151.0
100°	531.1	438.9	357.4	301.5	272.6	253.0	240.9
102.5°	728.7	661.2	574.9	514.2	464.8	440.4	424.0
105°	893.8	902.6	880.4	838.6	796.9	767.9	758.5
107.5°	881.7	951.7	984.3	989.5	987.2	981.5	968.9
110°	844.0	930.1	985.3	1014.3	1027.1	1033.1	1032.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	799.3	891.4	954.7	994.9	1016.3	1027.8	1031.4
115°	738.3	826.5	895.8	943.6	974.6	992.0	998.2
117.5°	688.8	768.8	833.8	882.5	915.2	933.7	938.7
120°	663.0	734.3	795.6	842.7	874.3	893.8	900.5
122.5°	641.4	708.9	764.3	806.6	837.7	855.1	860.7
125°	613.1	672.4	722.8	761.9	787.5	804.3	809.7
127.5°	585.7	641.5	688.1	722.2	746.1	760.7	765.0
130°	567.4	620.5	665.0	697.9	720.8	734.3	739.7
132.5°	550.2	599.0	640.8	673.2	696.0	708.4	713.3
135°	523.0	567.4	605.0	634.0	656.3	668.3	671.1
137.5°	501.3	536.6	569.4	595.8	614.9	625.5	629.6
140°	487.3	518.2	547.9	569.4	586.9	597.0	601.1
142.5°	474.9	501.5	526.3	546.8	562.7	571.7	572.5
145°	459.0	479.9	499.4	515.6	527.0	533.7	535.7
147.5°	446.1	462.4	476.6	490.0	499.1	503.7	504.9
150°	437.5	451.6	463.7	473.8	481.9	485.9	486.6
152.5°	430.5	442.5	453.0	460.9	467.9	470.9	471.0
155°	419.3	429.4	436.8	444.2	448.9	451.6	450.3
157.5°	408.0	416.5	422.2	427.5	431.4	432.7	432.7
160°	400.5	407.9	412.6	417.3	420.7	421.3	421.3
162.5°	393.5	399.8	403.5	408.1	410.4	411.1	410.5
165°	383.0	387.7	390.4	393.0	395.7	395.7	395.1
167.5°	373.4	376.6	379.1	380.3	381.8	381.6	380.8
170°	367.5	370.1	371.5	372.2	374.2	373.5	372.2
172.5°	362.1	364.3	365.1	365.8	366.7	366.0	365.2
175°	356.0	356.7	357.4	357.4	358.1	357.4	356.0
177.5°	351.6	352.1	352.1	352.1	352.1	351.6	350.5
180°	350.0	350.0	350.0	350.0	350.0	350.0	350.0

(END OF REPORT)