

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: P331359-930

Luminaire Tested: **SA2XXDIP-C675D925U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331359-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

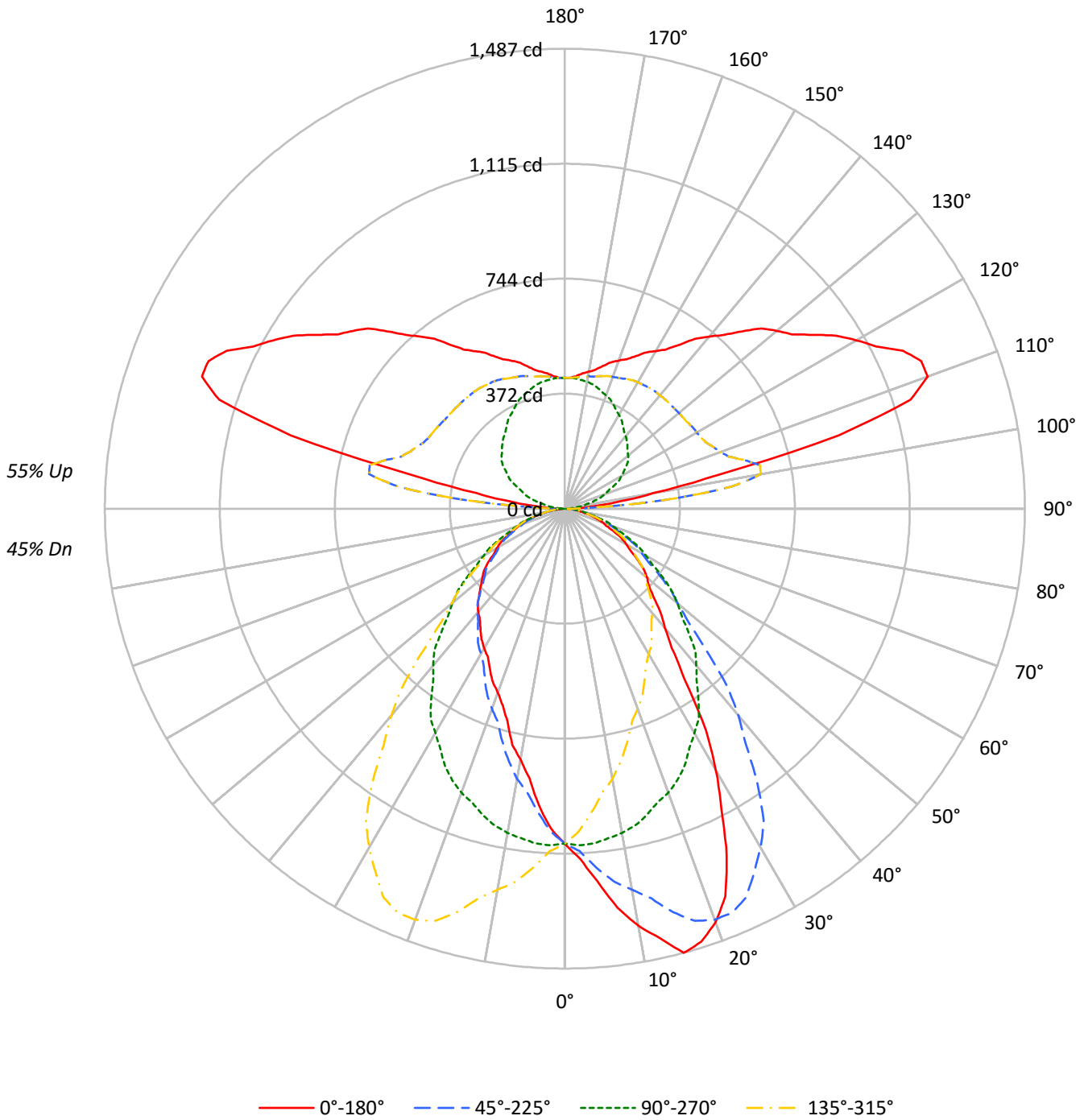
Lumens per Lamp: N/A  
Luminaire Lumens: 5337.3 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39				
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33				
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33	28				
4	74	64	56	51	68	59	53	47	50	45	41	41	38	35	33	31	29	25				
5	68	57	49	44	63	53	46	41	45	40	36	37	33	30	30	27	25	22				
6	63	52	44	38	58	48	41	36	40	35	31	34	30	27	27	25	22	19				
7	59	47	39	34	54	43	36	32	37	32	28	31	27	24	25	22	20	17				
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16				
9	51	39	31	27	47	36	30	25	31	26	22	26	22	19	21	19	16	14				
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17486	17486	17486	17486
5°	19603	17598	15595	17598
10°	22463	17454	13496	17454
15°	24849	17135	11925	17135
20°	24471	16790	10869	16790
25°	22066	16335	10203	16335
30°	18233	15605	9715	15605
35°	13291	14840	9368	14840
40°	10614	13940	9177	13940
45°	9275	12896	8914	12896
50°	8719	11886	8741	11886
55°	8037	10860	8504	10860
60°	7363	9771	8147	9771
65°	6709	8795	7790	8795
70°	6090	7841	7270	7841
75°	5402	6775	6438	6775
80°	4649	5607	5188	5607
85°	4168	4168	3075	4168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	1.9
10°-20°	299.8	5.6
20°-30°	435.1	8.2
30°-40°	459.2	8.6
40°-50°	406.6	7.6
50°-60°	324.5	6.1
60°-70°	220.5	4.1
70°-80°	113.1	2.1
80°-90°	31.1	0.6
90°-100°	169.2	3.2
100°-110°	574.1	10.8
110°-120°	609.9	11.4
120°-130°	502.1	9.4
130°-140°	403.2	7.6
140°-150°	304.7	5.7
150°-160°	214.1	4.0
160°-170°	126.0	2.4
170°-180°	41.0	0.8
0°-30°	838.1	15.7
0°-40°	1297.3	24.3
0°-60°	2028.3	38.0
0°-90°	2393.0	44.8
90°-120°	1353.2	25.4
90°-150°	2563.1	48.0
90°-180°	2944.0	55.2
0°-180°	5337.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1083	1083	1083	1083	1083	
5°	1210	1086	962	1086	1210	121
15°	1487	1025	713	1025	1487	410
25°	1239	917	573	917	1239	560
35°	674	753	475	753	674	439
45°	406	565	390	565	406	319
55°	286	386	302	386	286	256
65°	176	230	204	230	176	175
75°	87	109	103	109	87	93
85°	22	22	17	22	22	25
90°	27	1	27	1	27	15
95°	93	28	93	28	93	121
105°	917	99	917	99	917	887
115°	1207	175	1207	175	1207	1182
125°	979	244	979	244	979	885
135°	811	286	811	286	811	630
145°	648	327	648	327	648	411
155°	544	372	544	372	544	254
165°	478	405	478	405	478	137
175°	430	422	430	422	430	42
180°	423	423	423	423	423	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1132.9	1133.2	1133.9	1128.5	1127.9	1127.9	1123.2	1119.2	1114.6	1108.2	1108.9
5°	1209.5	1214.1	1215.7	1210.7	1203.2	1202.4	1195.3	1183.7	1172.8	1164.1	1157.9
7.5°	1300.9	1302.7	1298.6	1292.0	1286.5	1276.5	1263.3	1250.4	1232.3	1215.8	1203.5
10°	1370.1	1372.6	1365.5	1356.0	1348.1	1336.4	1317.3	1297.7	1274.0	1251.1	1232.7
12.5°	1422.7	1428.9	1419.8	1418.5	1405.0	1389.0	1366.2	1356.3	1322.9	1291.0	1271.4
15°	1486.6	1486.2	1487.1	1479.2	1469.2	1466.6	1442.5	1416.3	1369.3	1350.5	1318.1
17.5°	1468.2	1474.5	1477.4	1477.3	1477.1	1475.5	1467.8	1451.2	1427.7	1397.3	1359.8
20°	1424.2	1432.6	1433.8	1443.4	1448.8	1455.9	1458.7	1454.2	1439.7	1414.2	1381.8
22.5°	1356.3	1358.6	1362.5	1377.4	1389.2	1406.9	1416.2	1431.6	1426.0	1413.6	1386.4
25°	1238.6	1234.4	1249.0	1256.5	1283.5	1311.8	1332.3	1354.7	1374.7	1386.7	1378.8
27.5°	1097.2	1091.0	1112.8	1132.7	1154.7	1185.4	1217.2	1254.7	1285.9	1324.9	1338.3
30°	978.0	981.8	1002.7	1023.9	1057.1	1100.4	1136.2	1177.5	1222.0	1265.7	1296.0
32.5°	849.5	864.0	877.1	909.6	938.9	987.2	1039.7	1091.2	1146.7	1196.4	1243.4
35°	674.3	690.9	709.2	733.0	774.1	822.0	873.2	942.6	1018.5	1086.3	1142.1
37.5°	567.5	564.8	575.4	592.5	625.9	664.5	723.4	792.1	881.3	961.0	1039.7
40°	503.6	501.9	509.4	525.2	550.7	578.9	630.6	690.9	773.7	871.1	964.7
42.5°	459.7	460.6	464.8	476.0	493.3	516.7	555.3	606.7	682.5	774.2	874.8
45°	406.2	409.1	413.7	419.1	429.1	448.3	469.9	506.5	566.5	643.0	742.1
47.5°	367.8	367.9	372.5	377.2	383.2	394.0	411.6	434.6	476.9	539.2	624.4
50°	347.1	344.2	347.6	351.2	357.5	365.0	376.7	398.3	426.6	477.0	548.1
52.5°	321.8	321.9	324.9	326.3	331.9	339.3	350.0	365.0	390.6	430.0	488.5
55°	285.5	287.6	289.3	291.7	296.8	302.1	310.5	320.5	340.5	370.0	413.3
57.5°	251.4	252.0	253.7	258.4	261.6	266.6	274.5	283.6	296.6	318.5	351.0
60°	228.0	228.0	231.4	233.5	237.7	242.6	248.9	257.6	269.3	287.1	313.4
62.5°	206.8	206.4	207.7	211.2	214.3	219.0	225.3	232.7	243.6	259.5	281.1
65°	175.6	174.8	177.3	178.1	181.5	186.1	191.0	198.9	207.7	219.3	238.5
67.5°	145.7	146.7	148.0	149.6	151.4	156.2	159.6	165.2	172.5	182.2	195.2
70°	129.0	129.0	129.0	130.3	132.7	135.3	138.6	143.2	150.3	158.6	170.2
72.5°	110.4	111.7	113.0	112.3	115.4	116.9	120.9	123.5	130.3	135.6	145.9
75°	86.6	86.6	86.6	88.6	89.9	91.2	93.7	96.1	99.5	106.2	111.5
77.5°	64.6	64.4	64.8	65.3	66.7	68.2	68.9	71.2	74.3	77.3	81.9
80°	50.0	50.8	51.2	52.0	52.0	52.8	53.2	56.2	58.3	60.3	63.3
82.5°	38.6	38.8	38.9	39.1	39.4	39.9	40.9	41.9	42.6	44.4	46.6
85°	22.5	22.1	22.1	22.9	22.5	22.5	23.3	24.1	24.1	24.5	25.8
87.5°	14.0	14.0	14.3	14.0	14.0	14.2	13.9	13.9	14.3	14.8	15.0
90°	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0	26.8	27.6	26.8
92.5°	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9	89.4	105.7	104.3
95°	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2	279.1	318.9	282.3
97.5°	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5	571.2	544.5	410.1
100°	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9	760.0	642.8	442.6
102.5°	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7	830.3	646.0	430.3
105°	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6	819.4	602.9	406.0
107.5°	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5	748.0	556.8	394.0
110°	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7	703.0	534.6	391.4



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1111.3	1108.6	1106.9	1100.9	1095.6	1090.3	1088.6	1089.2	1082.0	1075.0	1072.0
5°	1154.5	1146.2	1138.3	1127.1	1113.8	1099.2	1091.7	1085.8	1071.3	1055.5	1046.4
7.5°	1193.4	1181.5	1166.2	1145.0	1125.7	1102.8	1088.2	1075.3	1053.9	1031.7	1018.0
10°	1217.0	1200.7	1181.1	1155.4	1131.6	1103.8	1084.2	1064.6	1039.7	1013.0	996.4
12.5°	1237.3	1215.4	1196.1	1163.0	1135.0	1100.1	1076.8	1049.3	1023.0	991.4	975.1
15°	1285.6	1245.3	1208.6	1171.2	1136.6	1087.9	1062.2	1025.1	990.5	951.5	932.7
17.5°	1323.0	1277.7	1219.9	1172.3	1132.0	1078.2	1040.2	995.9	955.0	910.3	884.8
20°	1344.3	1292.2	1230.3	1173.7	1125.4	1063.8	1022.6	977.2	929.4	879.0	851.5
22.5°	1357.0	1302.3	1241.0	1168.7	1112.1	1052.1	1000.3	950.6	902.0	847.7	818.9
25°	1361.0	1311.0	1246.1	1164.5	1095.4	1027.6	965.2	916.9	858.2	807.4	765.4
27.5°	1341.2	1305.4	1242.9	1156.7	1076.2	996.9	927.3	872.6	810.7	755.5	713.3
30°	1316.9	1296.0	1235.3	1148.7	1060.9	975.6	898.9	837.0	775.3	719.6	676.3
32.5°	1279.2	1274.7	1221.3	1137.3	1044.6	948.6	869.4	806.7	738.4	683.6	642.4
35°	1205.3	1225.3	1191.6	1112.1	1013.8	910.2	824.5	752.9	682.2	629.7	591.0
37.5°	1106.3	1155.8	1147.0	1075.1	972.4	868.5	773.8	699.0	631.5	578.6	540.6
40°	1038.0	1101.2	1110.4	1046.8	943.1	836.2	735.8	661.4	595.6	547.3	509.0
42.5°	964.7	1038.7	1063.8	1012.8	911.1	802.2	701.9	624.7	559.6	512.7	478.7
45°	842.0	939.8	985.1	956.0	857.8	746.2	643.0	564.8	505.6	461.5	435.4
47.5°	727.2	834.1	895.0	884.8	798.4	687.9	586.0	510.9	453.3	418.1	394.6
50°	646.0	755.8	829.5	832.8	755.8	646.4	544.0	473.2	420.4	387.5	368.4
52.5°	575.4	680.2	760.6	778.2	708.2	603.1	506.4	435.9	389.4	359.1	342.0
55°	483.2	571.9	660.9	693.4	637.2	537.3	447.8	385.8	342.1	321.3	306.3
57.5°	401.7	475.6	557.9	593.8	559.1	473.6	389.7	335.9	300.4	282.2	270.7
60°	358.7	417.0	490.2	533.1	503.2	427.1	353.8	302.6	273.5	257.2	246.4
62.5°	318.8	370.4	432.4	471.6	455.3	383.4	317.8	272.6	247.4	232.2	224.5
65°	263.0	303.9	351.7	387.9	377.1	322.5	268.9	230.2	210.2	198.1	191.8
67.5°	216.6	246.1	279.2	311.0	302.2	263.6	220.5	190.4	175.5	165.1	161.3
70°	187.3	209.8	239.3	264.7	257.6	226.0	191.8	166.1	153.2	144.4	140.6
72.5°	159.3	177.8	200.3	221.1	216.3	190.0	161.6	142.1	132.2	124.1	121.0
75°	120.3	134.4	148.1	161.9	160.6	140.2	123.6	108.6	100.7	94.5	93.2
77.5°	88.8	96.7	106.1	114.2	111.9	100.3	87.2	78.7	72.8	68.6	68.0
80°	67.8	72.4	79.1	84.9	82.0	77.0	66.6	60.3	56.2	52.0	50.4
82.5°	49.2	53.8	57.8	60.9	58.7	54.1	47.6	43.4	40.8	38.1	37.3
85°	25.8	28.3	30.0	30.8	30.0	27.1	24.1	22.5	20.4	19.2	18.8
87.5°	14.3	13.2	12.4	12.6	11.3	10.9	9.0	7.5	7.7	8.0	7.6
90°	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8	3.3	6.5	8.2
92.5°	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9	14.3	20.2	23.7
95°	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5	31.7	39.9	47.2
97.5°	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4	50.8	59.4	70.4
100°	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6	65.1	72.4	85.4
102.5°	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6	79.4	86.7	99.8
105°	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3	102.6	108.2	120.4
107.5°	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7	125.3	130.9	142.1
110°	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4	141.6	146.4	157.0





TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1068.6	1066.7	1059.6	1056.0	1049.9	1044.3	1040.6	1042.4	1043.7	1043.0	1042.0
5°	1038.0	1030.0	1018.0	1007.6	1000.1	986.3	980.6	977.6	975.2	972.2	969.3
7.5°	1001.5	989.0	971.8	956.9	942.9	925.9	916.2	910.3	904.3	897.7	891.9
10°	975.6	958.1	939.8	918.9	902.3	886.9	873.2	864.1	855.7	847.8	842.0
12.5°	948.3	928.1	905.5	877.0	858.7	836.7	834.5	818.4	805.4	800.5	793.7
15°	904.8	876.5	847.8	814.1	799.5	779.5	767.0	754.6	743.3	735.4	733.4
17.5°	855.4	818.8	790.3	766.1	742.2	721.7	710.2	700.2	691.0	680.4	679.0
20°	817.8	786.2	755.0	733.8	709.2	688.4	674.3	664.2	656.3	650.1	644.7
22.5°	782.2	747.5	719.0	695.8	671.6	654.8	643.6	634.0	627.4	620.4	615.4
25°	725.0	698.0	666.8	640.5	620.5	609.8	600.5	592.2	588.1	583.5	577.7
27.5°	675.0	644.9	615.7	595.4	577.9	568.3	561.7	556.1	552.2	549.5	546.3
30°	639.7	609.3	586.4	566.5	551.9	542.3	538.2	534.8	530.3	528.6	526.9
32.5°	605.8	578.4	558.8	541.4	527.6	521.3	517.5	514.5	510.9	509.2	505.9
35°	557.7	534.8	515.7	506.1	494.9	489.4	486.6	482.3	479.1	477.4	477.0
37.5°	512.5	492.6	480.0	467.7	463.0	459.7	455.7	452.8	451.8	451.6	451.2
40°	483.2	467.0	455.8	445.7	443.7	438.6	435.4	432.8	432.8	433.3	432.8
42.5°	456.6	442.0	432.1	423.5	421.0	418.0	414.7	414.5	415.2	416.6	415.2
45°	416.2	405.8	398.7	394.5	390.0	387.0	386.6	387.9	388.3	388.7	390.0
47.5°	379.0	372.2	365.7	361.2	359.1	358.7	358.2	360.4	362.3	363.1	365.0
50°	357.1	349.2	343.8	340.9	339.2	338.3	339.2	341.7	343.3	345.4	346.7
52.5°	332.5	326.9	323.1	320.9	320.2	320.7	320.9	323.8	326.4	327.1	327.8
55°	298.4	294.2	293.4	289.7	291.3	290.9	293.0	294.6	297.2	299.6	300.1
57.5°	264.5	261.1	258.9	259.2	259.7	261.5	263.3	266.2	268.9	271.5	271.7
60°	241.8	240.1	238.9	238.9	239.7	242.2	244.3	247.2	248.9	250.5	251.8
62.5°	221.2	219.5	218.3	218.9	221.1	222.6	225.0	226.6	228.2	229.9	230.5
65°	188.5	187.7	189.0	189.8	190.2	192.2	195.2	196.4	198.1	198.9	201.9
67.5°	158.5	158.7	158.5	159.6	162.1	162.6	165.3	168.2	168.5	170.2	172.0
70°	138.2	139.0	139.8	140.6	142.8	143.6	145.7	146.9	148.5	149.9	151.1
72.5°	119.5	119.7	120.5	120.3	122.1	123.9	125.7	126.9	128.6	130.2	131.4
75°	92.0	92.0	92.8	93.2	95.3	97.4	96.9	97.8	99.5	101.1	102.0
77.5°	67.2	66.3	67.2	67.6	68.2	70.0	70.4	71.5	73.4	72.8	73.8
80°	51.2	50.0	51.2	51.6	51.6	53.7	53.7	54.5	55.8	54.5	55.8
82.5°	36.5	36.0	36.9	36.9	37.6	37.7	38.4	38.6	39.8	39.2	39.8
85°	18.3	17.9	18.3	17.9	18.3	18.8	18.8	18.3	18.3	19.2	17.9
87.5°	7.6	7.7	8.2	9.4	10.0	9.9	9.4	9.2	8.9	8.6	8.7
90°	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0	24.4	26.0	26.8
92.5°	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9	60.9	54.1	49.0
95°	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2	163.5	129.4	111.5
97.5°	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5	407.0	318.9	260.2
100°	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9	642.0	530.5	432.1
102.5°	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7	880.9	799.4	695.0
105°	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6	1080.6	1091.2	1064.3
107.5°	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5	1065.9	1150.6	1189.9
110°	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7	1020.3	1124.5	1191.2



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1038.7	1038.0	1038.0	1035.0	1038.0	1038.0	1038.7	1042.0	1043.0	1043.7	1042.4
5°	963.5	962.2	960.2	962.2	960.2	962.2	963.5	969.3	972.2	975.2	977.6
7.5°	889.2	884.2	883.5	878.5	883.5	884.2	889.2	891.9	897.7	904.3	910.3
10°	834.9	831.5	831.1	823.2	831.1	831.5	834.9	842.0	847.8	855.7	864.1
12.5°	793.6	785.6	787.2	782.6	787.2	785.6	793.6	793.7	800.5	805.4	818.4
15°	722.1	722.1	720.4	713.4	720.4	722.1	722.1	733.4	735.4	743.3	754.6
17.5°	670.7	669.9	665.9	667.9	665.9	669.9	670.7	679.0	680.4	691.0	700.2
20°	640.1	637.6	632.6	632.6	632.6	637.6	640.1	644.7	650.1	656.3	664.2
22.5°	611.1	611.0	605.7	607.3	605.7	611.0	611.1	615.4	620.4	627.4	634.0
25°	577.2	574.0	571.4	572.7	571.4	574.0	577.2	577.7	583.5	588.1	592.2
27.5°	545.1	543.3	543.2	539.7	543.2	543.3	545.1	546.3	549.5	552.2	556.1
30°	526.5	522.4	523.2	521.1	523.2	522.4	526.5	526.9	528.6	530.3	534.8
32.5°	505.2	503.7	502.9	501.1	502.9	503.7	505.2	505.9	509.2	510.9	514.5
35°	476.1	476.5	474.5	475.3	474.5	476.5	476.1	477.0	477.4	479.1	482.3
37.5°	450.8	452.1	451.1	451.3	451.1	452.1	450.8	451.2	451.6	451.8	452.8
40°	434.1	434.1	434.1	435.4	434.1	434.1	434.1	432.8	433.3	432.8	432.8
42.5°	418.1	417.4	416.8	416.7	416.8	417.4	418.1	415.2	416.6	415.2	414.5
45°	390.8	392.1	392.5	390.4	392.5	392.1	390.8	390.0	388.7	388.3	387.9
47.5°	366.1	366.2	366.1	367.9	366.1	366.2	366.1	365.0	363.1	362.3	360.4
50°	348.8	348.0	348.8	348.0	348.8	348.0	348.8	346.7	345.4	343.3	341.7
52.5°	330.4	330.6	330.1	330.0	330.1	330.6	330.4	327.8	327.1	326.4	323.8
55°	301.7	302.6	302.1	302.1	302.1	302.6	301.7	300.1	299.6	297.2	294.6
57.5°	272.1	272.8	273.4	271.5	273.4	272.8	272.1	271.7	271.5	268.9	266.2
60°	251.4	253.5	253.1	252.3	253.1	253.5	251.4	251.8	250.5	248.9	247.2
62.5°	232.4	233.2	233.1	232.9	233.1	233.2	232.4	230.5	229.9	228.2	226.6
65°	203.1	203.9	202.7	203.9	202.7	203.9	203.1	201.9	198.9	198.1	196.4
67.5°	171.5	171.8	172.8	173.3	172.8	171.8	171.5	172.0	170.2	168.5	168.2
70°	151.9	151.5	152.7	154.0	152.7	151.5	151.9	151.1	149.9	148.5	146.9
72.5°	131.3	132.2	131.8	132.6	131.8	132.2	131.3	131.4	130.2	128.6	126.9
75°	101.1	102.4	102.0	103.2	102.0	102.4	101.1	102.0	101.1	99.5	97.8
77.5°	73.1	73.2	73.1	73.8	73.1	73.2	73.1	73.8	72.8	73.4	71.5
80°	55.8	55.0	54.1	55.8	54.1	55.0	55.8	55.8	54.5	55.8	54.5
82.5°	38.8	39.3	38.5	38.5	38.5	39.3	38.8	39.8	39.2	39.8	38.6
85°	17.9	17.4	16.6	16.6	16.6	17.4	17.9	17.9	19.2	18.3	18.3
87.5°	8.7	8.4	8.4	8.1	8.4	8.4	8.7	8.7	8.6	8.9	9.2
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0
92.5°	48.3	45.7	46.4	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9
95°	100.9	94.4	92.0	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2
97.5°	221.4	201.3	189.4	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5
100°	364.5	329.5	306.0	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9
102.5°	621.7	561.9	532.5	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7
105°	1013.8	963.4	928.4	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6
107.5°	1196.3	1193.5	1186.5	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5
110°	1226.2	1241.7	1249.0	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1040.6	1044.3	1049.9	1056.0	1059.6	1066.7	1068.6	1072.0	1075.0	1082.0	1089.2
5°	980.6	986.3	1000.1	1007.6	1018.0	1030.0	1038.0	1046.4	1055.5	1071.3	1085.8
7.5°	916.2	925.9	942.9	956.9	971.8	989.0	1001.5	1018.0	1031.7	1053.9	1075.3
10°	873.2	886.9	902.3	918.9	939.8	958.1	975.6	996.4	1013.0	1039.7	1064.6
12.5°	834.5	836.7	858.7	877.0	905.5	928.1	948.3	975.1	991.4	1023.0	1049.3
15°	767.0	779.5	799.5	814.1	847.8	876.5	904.8	932.7	951.5	990.5	1025.1
17.5°	710.2	721.7	742.2	766.1	790.3	818.8	855.4	884.8	910.3	955.0	995.9
20°	674.3	688.4	709.2	733.8	755.0	786.2	817.8	851.5	879.0	929.4	977.2
22.5°	643.6	654.8	671.6	695.8	719.0	747.5	782.2	818.9	847.7	902.0	950.6
25°	600.5	609.8	620.5	640.5	666.8	698.0	725.0	765.4	807.4	858.2	916.9
27.5°	561.7	568.3	577.9	595.4	615.7	644.9	675.0	713.3	755.5	810.7	872.6
30°	538.2	542.3	551.9	566.5	586.4	609.3	639.7	676.3	719.6	775.3	837.0
32.5°	517.5	521.3	527.6	541.4	558.8	578.4	605.8	642.4	683.6	738.4	806.7
35°	486.6	489.4	494.9	506.1	515.7	534.8	557.7	591.0	629.7	682.2	752.9
37.5°	455.7	459.7	463.0	467.7	480.0	492.6	512.5	540.6	578.6	631.5	699.0
40°	435.4	438.6	443.7	445.7	455.8	467.0	483.2	509.0	547.3	595.6	661.4
42.5°	414.7	418.0	421.0	423.5	432.1	442.0	456.6	478.7	512.7	559.6	624.7
45°	386.6	387.0	390.0	394.5	398.7	405.8	416.2	435.4	461.5	505.6	564.8
47.5°	358.2	358.7	359.1	361.2	365.7	372.2	379.0	394.6	418.1	453.3	510.9
50°	339.2	338.3	339.2	340.9	343.8	349.2	357.1	368.4	387.5	420.4	473.2
52.5°	320.9	320.7	320.2	320.9	323.1	326.9	332.5	342.0	359.1	389.4	435.9
55°	293.0	290.9	291.3	289.7	293.4	294.2	298.4	306.3	321.3	342.1	385.8
57.5°	263.3	261.5	259.7	259.2	258.9	261.1	264.5	270.7	282.2	300.4	335.9
60°	244.3	242.2	239.7	238.9	238.9	240.1	241.8	246.4	257.2	273.5	302.6
62.5°	225.0	222.6	221.1	218.9	218.3	219.5	221.2	224.5	232.2	247.4	272.6
65°	195.2	192.2	190.2	189.8	189.0	187.7	188.5	191.8	198.1	210.2	230.2
67.5°	165.3	162.6	162.1	159.6	158.5	158.7	158.5	161.3	165.1	175.5	190.4
70°	145.7	143.6	142.8	140.6	139.8	139.0	138.2	140.6	144.4	153.2	166.1
72.5°	125.7	123.9	122.1	120.3	120.5	119.7	119.5	121.0	124.1	132.2	142.1
75°	96.9	97.4	95.3	93.2	92.8	92.0	92.0	93.2	94.5	100.7	108.6
77.5°	70.4	70.0	68.2	67.6	67.2	66.3	67.2	68.0	68.6	72.8	78.7
80°	53.7	53.7	51.6	51.6	51.2	50.0	51.2	50.4	52.0	56.2	60.3
82.5°	38.4	37.7	37.6	36.9	36.9	36.0	36.5	37.3	38.1	40.8	43.4
85°	18.8	18.8	18.3	17.9	18.3	17.9	18.3	18.8	19.2	20.4	22.5
87.5°	9.4	9.9	10.0	9.4	8.2	7.7	7.6	7.6	8.0	7.7	7.5
90°	26.8	27.6	26.8	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8
92.5°	89.4	105.7	104.3	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9
95°	279.1	318.9	282.3	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5
97.5°	571.2	544.5	410.1	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4
100°	760.0	642.8	442.6	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6
102.5°	830.3	646.0	430.3	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6
105°	819.4	602.9	406.0	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3
107.5°	748.0	556.8	394.0	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7
110°	703.0	534.6	391.4	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P331359-930

CATALOG NUMBER: SA2XXDIP-C675D925U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1088.6	1090.3	1095.6	1100.9	1106.9	1108.6	1111.3	1108.9	1108.2	1114.6	1119.2
5°	1091.7	1099.2	1113.8	1127.1	1138.3	1146.2	1154.5	1157.9	1164.1	1172.8	1183.7
7.5°	1088.2	1102.8	1125.7	1145.0	1166.2	1181.5	1193.4	1203.5	1215.8	1232.3	1250.4
10°	1084.2	1103.8	1131.6	1155.4	1181.1	1200.7	1217.0	1232.7	1251.1	1274.0	1297.7
12.5°	1076.8	1100.1	1135.0	1163.0	1196.1	1215.4	1237.3	1271.4	1291.0	1322.9	1356.3
15°	1062.2	1087.9	1136.6	1171.2	1208.6	1245.3	1285.6	1318.1	1350.5	1369.3	1416.3
17.5°	1040.2	1078.2	1132.0	1172.3	1219.9	1277.7	1323.0	1359.8	1397.3	1427.7	1451.2
20°	1022.6	1063.8	1125.4	1173.7	1230.3	1292.2	1344.3	1381.8	1414.2	1439.7	1454.2
22.5°	1000.3	1052.1	1112.1	1168.7	1241.0	1302.3	1357.0	1386.4	1413.6	1426.0	1431.6
25°	965.2	1027.6	1095.4	1164.5	1246.1	1311.0	1361.0	1378.8	1386.7	1374.7	1354.7
27.5°	927.3	996.9	1076.2	1156.7	1242.9	1305.4	1341.2	1338.3	1324.9	1285.9	1254.7
30°	898.9	975.6	1060.9	1148.7	1235.3	1296.0	1316.9	1296.0	1265.7	1222.0	1177.5
32.5°	869.4	948.6	1044.6	1137.3	1221.3	1274.7	1279.2	1243.4	1196.4	1146.7	1091.2
35°	824.5	910.2	1013.8	1112.1	1191.6	1225.3	1205.3	1142.1	1086.3	1018.5	942.6
37.5°	773.8	868.5	972.4	1075.1	1147.0	1155.8	1106.3	1039.7	961.0	881.3	792.1
40°	735.8	836.2	943.1	1046.8	1110.4	1101.2	1038.0	964.7	871.1	773.7	690.9
42.5°	701.9	802.2	911.1	1012.8	1063.8	1038.7	964.7	874.8	774.2	682.5	606.7
45°	643.0	746.2	857.8	956.0	985.1	939.8	842.0	742.1	643.0	566.5	506.5
47.5°	586.0	687.9	798.4	884.8	895.0	834.1	727.2	624.4	539.2	476.9	434.6
50°	544.0	646.4	755.8	832.8	829.5	755.8	646.0	548.1	477.0	426.6	398.3
52.5°	506.4	603.1	708.2	778.2	760.6	680.2	575.4	488.5	430.0	390.6	365.0
55°	447.8	537.3	637.2	693.4	660.9	571.9	483.2	413.3	370.0	340.5	320.5
57.5°	389.7	473.6	559.1	593.8	557.9	475.6	401.7	351.0	318.5	296.6	283.6
60°	353.8	427.1	503.2	533.1	490.2	417.0	358.7	313.4	287.1	269.3	257.6
62.5°	317.8	383.4	455.3	471.6	432.4	370.4	318.8	281.1	259.5	243.6	232.7
65°	268.9	322.5	377.1	387.9	351.7	303.9	263.0	238.5	219.3	207.7	198.9
67.5°	220.5	263.6	302.2	311.0	279.2	246.1	216.6	195.2	182.2	172.5	165.2
70°	191.8	226.0	257.6	264.7	239.3	209.8	187.3	170.2	158.6	150.3	143.2
72.5°	161.6	190.0	216.3	221.1	200.3	177.8	159.3	145.9	135.6	130.3	123.5
75°	123.6	140.2	160.6	161.9	148.1	134.4	120.3	111.5	106.2	99.5	96.1
77.5°	87.2	100.3	111.9	114.2	106.1	96.7	88.8	81.9	77.3	74.3	71.2
80°	66.6	77.0	82.0	84.9	79.1	72.4	67.8	63.3	60.3	58.3	56.2
82.5°	47.6	54.1	58.7	60.9	57.8	53.8	49.2	46.6	44.4	42.6	41.9
85°	24.1	27.1	30.0	30.8	30.0	28.3	25.8	25.8	24.5	24.1	24.1
87.5°	9.0	10.9	11.3	12.6	12.4	13.2	14.3	15.0	14.8	14.3	13.9
90°	3.3	6.5	8.2	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0
92.5°	14.3	20.2	23.7	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9
95°	31.7	39.9	47.2	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2
97.5°	50.8	59.4	70.4	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5
100°	65.1	72.4	85.4	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9
102.5°	79.4	86.7	99.8	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7
105°	102.6	108.2	120.4	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6
107.5°	125.3	130.9	142.1	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5
110°	141.6	146.4	157.0	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7





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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1123.2	1127.9	1127.9	1128.5	1133.9	1133.2	1132.9
5°	1195.3	1202.4	1203.2	1210.7	1215.7	1214.1	1209.5
7.5°	1263.3	1276.5	1286.5	1292.0	1298.6	1302.7	1300.9
10°	1317.3	1336.4	1348.1	1356.0	1365.5	1372.6	1370.1
12.5°	1366.2	1389.0	1405.0	1418.5	1419.8	1428.9	1422.7
15°	1442.5	1466.6	1469.2	1479.2	1487.1	1486.2	1486.6
17.5°	1467.8	1475.5	1477.1	1477.3	1477.4	1474.5	1468.2
20°	1458.7	1455.9	1448.8	1443.4	1433.8	1432.6	1424.2
22.5°	1416.2	1406.9	1389.2	1377.4	1362.5	1358.6	1356.3
25°	1332.3	1311.8	1283.5	1256.5	1249.0	1234.4	1238.6
27.5°	1217.2	1185.4	1154.7	1132.7	1112.8	1091.0	1097.2
30°	1136.2	1100.4	1057.1	1023.9	1002.7	981.8	978.0
32.5°	1039.7	987.2	938.9	909.6	877.1	864.0	849.5
35°	873.2	822.0	774.1	733.0	709.2	690.9	674.3
37.5°	723.4	664.5	625.9	592.5	575.4	564.8	567.5
40°	630.6	578.9	550.7	525.2	509.4	501.9	503.6
42.5°	555.3	516.7	493.3	476.0	464.8	460.6	459.7
45°	469.9	448.3	429.1	419.1	413.7	409.1	406.2
47.5°	411.6	394.0	383.2	377.2	372.5	367.9	367.8
50°	376.7	365.0	357.5	351.2	347.6	344.2	347.1
52.5°	350.0	339.3	331.9	326.3	324.9	321.9	321.8
55°	310.5	302.1	296.8	291.7	289.3	287.6	285.5
57.5°	274.5	266.6	261.6	258.4	253.7	252.0	251.4
60°	248.9	242.6	237.7	233.5	231.4	228.0	228.0
62.5°	225.3	219.0	214.3	211.2	207.7	206.4	206.8
65°	191.0	186.1	181.5	178.1	177.3	174.8	175.6
67.5°	159.6	156.2	151.4	149.6	148.0	146.7	145.7
70°	138.6	135.3	132.7	130.3	129.0	129.0	129.0
72.5°	120.9	116.9	115.4	112.3	113.0	111.7	110.4
75°	93.7	91.2	89.9	88.6	86.6	86.6	86.6
77.5°	68.9	68.2	66.7	65.3	64.8	64.4	64.6
80°	53.2	52.8	52.0	52.0	51.2	50.8	50.0
82.5°	40.9	39.9	39.4	39.1	38.9	38.8	38.6
85°	23.3	22.5	22.5	22.9	22.1	22.1	22.5
87.5°	13.9	14.2	14.0	14.0	14.3	14.0	14.0
90°	24.4	26.0	26.8	26.8	26.8	26.8	26.8
92.5°	60.9	54.1	49.0	48.3	45.7	46.4	45.1
95°	163.5	129.4	111.5	100.9	94.4	92.0	92.8
97.5°	407.0	318.9	260.2	221.4	201.3	189.4	182.6
100°	642.0	530.5	432.1	364.5	329.5	306.0	291.3
102.5°	880.9	799.4	695.0	621.7	561.9	532.5	512.7
105°	1080.6	1091.2	1064.3	1013.8	963.4	928.4	917.0
107.5°	1065.9	1150.6	1189.9	1196.3	1193.5	1186.5	1171.4
110°	1020.3	1124.5	1191.2	1226.2	1241.7	1249.0	1248.2



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)