

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: P331359-935

Luminaire Tested: **SA2XXDIP-C675D925U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331359-935
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: SA2XXDIP-C675D925U935-4F0-1E-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: 5636.5 lumens
Efficiency: N/A
Efficacy: 108.4 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

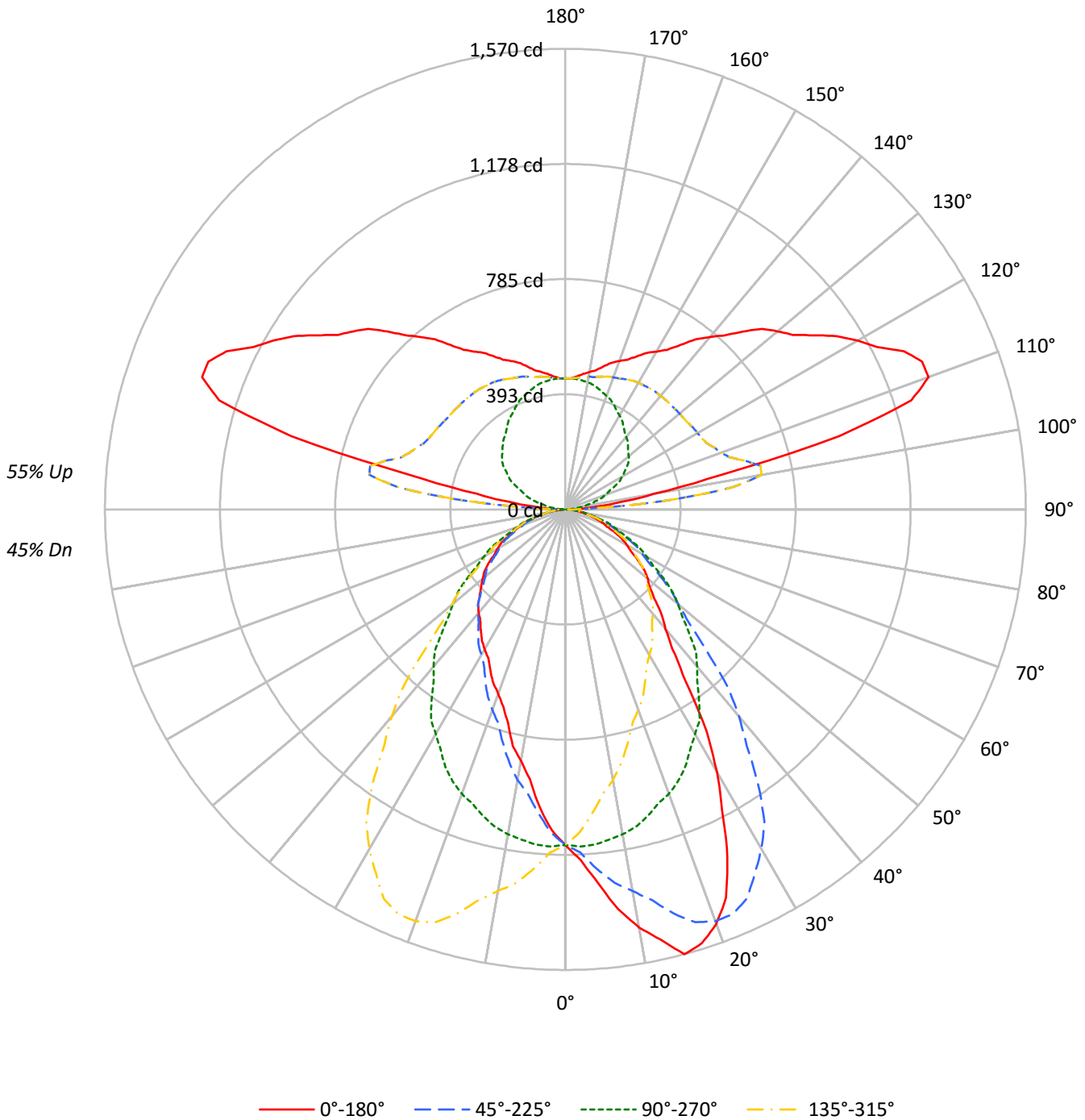
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	18466	18466	18466	18466
5°	20702	18585	16470	18585
10°	23722	18433	14254	18433
15°	26242	18094	12593	18094
20°	25844	17732	11478	17732
25°	23302	17250	10774	17250
30°	19257	16479	10260	16479
35°	14034	15672	9895	15672
40°	11209	14720	9691	14720
45°	9796	13618	9412	13618
50°	9206	12552	9231	12552
55°	8487	11468	8982	11468
60°	7776	10317	8603	10317
65°	7087	9287	8225	9287
70°	6430	8280	7676	8280
75°	5702	7155	6800	7155
80°	4909	5923	5477	5923
85°	4409	4409	3260	4409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	1.9
10°-20°	316.6	5.6
20°-30°	459.5	8.2
30°-40°	484.9	8.6
40°-50°	429.4	7.6
50°-60°	342.6	6.1
60°-70°	232.9	4.1
70°-80°	119.4	2.1
80°-90°	32.8	0.6
90°-100°	178.7	3.2
100°-110°	606.3	10.8
110°-120°	644.1	11.4
120°-130°	530.2	9.4
130°-140°	425.8	7.6
140°-150°	321.8	5.7
150°-160°	226.1	4.0
160°-170°	133.1	2.4
170°-180°	43.3	0.8
0°-30°	885.1	15.7
0°-40°	1370.0	24.3
0°-60°	2142.0	38.0
0°-90°	2527.1	44.8
90°-120°	1429.1	25.4
90°-150°	2706.8	48.0
90°-180°	3109.0	55.2
0°-180°	5636.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1144	1144	1144	1144	1144	
5°	1277	1147	1016	1147	1277	128
15°	1570	1082	753	1082	1570	433
25°	1308	968	605	968	1308	591
35°	712	795	502	795	712	463
45°	429	596	412	596	429	337
55°	302	407	319	407	302	270
65°	186	243	215	243	186	184
75°	91	115	109	115	91	98
85°	24	24	18	24	24	27
90°	28	1	28	1	28	16
95°	98	30	98	30	98	127
105°	968	105	968	105	968	937
115°	1274	185	1274	185	1274	1248
125°	1034	258	1034	258	1034	934
135°	857	302	857	302	857	666
145°	684	345	684	345	684	434
155°	575	393	575	393	575	268
165°	504	428	504	428	504	144
175°	455	446	455	446	455	44
180°	447	447	447	447	447	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1196.4	1196.7	1197.5	1191.8	1191.1	1191.1	1186.2	1182.0	1177.1	1170.4	1171.0
5°	1277.3	1282.1	1283.8	1278.6	1270.7	1269.8	1262.3	1250.0	1238.5	1229.3	1222.8
7.5°	1373.8	1375.7	1371.4	1364.4	1358.6	1348.1	1334.1	1320.5	1301.4	1283.9	1270.9
10°	1446.9	1449.6	1442.1	1432.0	1423.7	1411.4	1391.1	1370.5	1345.4	1321.2	1301.8
12.5°	1502.4	1509.0	1499.4	1498.1	1483.8	1466.9	1442.8	1432.4	1397.1	1363.4	1342.6
15°	1569.9	1569.5	1570.5	1562.1	1551.5	1548.9	1523.4	1495.7	1446.0	1426.2	1392.0
17.5°	1550.5	1557.1	1560.2	1560.1	1559.9	1558.2	1550.1	1532.6	1507.7	1475.6	1436.0
20°	1504.1	1512.9	1514.2	1524.3	1530.0	1537.5	1540.5	1535.7	1520.4	1493.5	1459.2
22.5°	1432.4	1434.8	1438.9	1454.7	1467.1	1485.7	1495.6	1511.8	1505.9	1492.8	1464.1
25°	1308.0	1303.6	1319.1	1326.9	1355.5	1385.3	1407.0	1430.6	1451.7	1464.5	1456.1
27.5°	1158.7	1152.2	1175.2	1196.2	1219.4	1251.8	1285.4	1325.0	1358.0	1399.2	1413.3
30°	1032.9	1036.8	1058.9	1081.2	1116.4	1162.1	1199.9	1243.5	1290.5	1336.6	1368.6
32.5°	897.2	912.4	926.3	960.6	991.5	1042.6	1097.9	1152.4	1211.0	1263.4	1313.1
35°	712.0	729.6	749.0	774.0	817.5	868.1	922.1	995.5	1075.6	1147.2	1206.1
37.5°	599.3	596.5	607.6	625.7	661.0	701.7	764.0	836.5	930.7	1014.9	1097.9
40°	531.8	530.0	538.0	554.7	581.5	611.4	665.9	729.6	817.1	919.9	1018.8
42.5°	485.4	486.5	490.9	502.7	521.0	545.6	586.4	640.7	720.7	817.6	923.9
45°	429.0	432.0	436.9	442.6	453.1	473.4	496.2	534.9	598.2	679.1	783.7
47.5°	388.4	388.5	393.4	398.4	404.7	416.0	434.7	458.9	503.6	569.5	659.4
50°	366.5	363.5	367.0	370.9	377.5	385.5	397.8	420.6	450.5	503.7	578.9
52.5°	339.8	339.9	343.1	344.6	350.5	358.3	369.6	385.5	412.5	454.1	515.9
55°	301.5	303.7	305.5	308.1	313.4	319.1	327.9	338.5	359.6	390.7	436.4
57.5°	265.4	266.1	267.9	272.9	276.3	281.5	289.9	299.5	313.2	336.3	370.7
60°	240.8	240.8	244.4	246.6	251.0	256.2	262.9	272.1	284.4	303.2	331.0
62.5°	218.3	218.0	219.4	223.0	226.4	231.3	237.9	245.7	257.3	274.1	296.9
65°	185.5	184.6	187.3	188.1	191.7	196.5	201.7	210.1	219.3	231.6	251.8
67.5°	153.9	154.9	156.3	158.0	159.9	165.0	168.5	174.4	182.2	192.4	206.1
70°	136.2	136.2	136.2	137.6	140.2	142.8	146.4	151.2	158.7	167.5	179.8
72.5°	116.6	118.0	119.3	118.6	121.9	123.5	127.7	130.4	137.6	143.2	154.1
75°	91.4	91.4	91.4	93.6	95.0	96.3	98.9	101.5	105.0	112.1	117.8
77.5°	68.2	68.0	68.4	69.0	70.4	72.0	72.8	75.2	78.4	81.6	86.5
80°	52.8	53.6	54.1	54.9	54.9	55.8	56.2	59.3	61.6	63.7	66.8
82.5°	40.8	41.0	41.1	41.2	41.6	42.1	43.2	44.3	45.0	46.8	49.2
85°	23.8	23.3	23.3	24.2	23.8	23.8	24.6	25.5	25.5	25.9	27.2
87.5°	14.8	14.8	15.2	14.8	14.8	15.0	14.6	14.6	15.2	15.7	15.8
90°	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5	28.3	29.2	28.3
92.5°	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9	94.4	111.7	110.1
95°	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2	294.7	336.8	298.2
97.5°	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4	603.2	575.1	433.1
100°	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5	802.6	678.8	467.4
102.5°	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3	876.8	682.3	454.4
105°	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0	865.3	636.7	428.8
107.5°	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5	789.9	588.0	416.0
110°	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8	742.4	564.6	413.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9	709.5	549.4	414.0
115°	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3	668.6	532.8	417.6
117.5°	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2	642.7	524.7	423.8
120°	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9	629.0	519.9	427.9
122.5°	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3	617.3	517.1	432.7
125°	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3	600.6	512.1	440.0
127.5°	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7	585.2	509.2	447.4
130°	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5	574.9	507.8	452.9
132.5°	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0	566.6	507.1	458.3
135°	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0	555.1	506.1	464.9
137.5°	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5	547.0	505.9	470.7
140°	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9	542.3	505.2	473.5
142.5°	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3	537.4	505.2	475.5
145°	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7	531.1	503.5	477.8
147.5°	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2	524.5	500.5	478.5
150°	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7	519.0	498.4	477.8
152.5°	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1	514.2	495.0	476.4
155°	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6	505.2	489.0	474.3
157.5°	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4	496.9	482.8	470.4
160°	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8	490.7	478.6	468.3
162.5°	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3	485.2	475.2	466.2
165°	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9	476.0	468.3	462.3
167.5°	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1	467.1	462.3	458.3
170°	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6	462.3	458.8	456.3
172.5°	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4	457.5	454.8	453.6
175°	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7	451.2	450.3	449.4
177.5°	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9	447.5	446.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1173.5	1170.7	1169.0	1162.6	1157.0	1151.4	1149.6	1150.3	1142.6	1135.2	1132.0
5°	1219.3	1210.5	1202.1	1190.2	1176.2	1160.8	1152.9	1146.7	1131.4	1114.7	1105.0
7.5°	1260.2	1247.7	1231.6	1209.2	1188.8	1164.6	1149.2	1135.6	1113.0	1089.5	1075.0
10°	1285.2	1268.0	1247.3	1220.1	1195.1	1165.6	1145.0	1124.3	1097.9	1069.8	1052.2
12.5°	1306.7	1283.5	1263.2	1228.2	1198.6	1161.7	1137.2	1108.1	1080.4	1047.0	1029.8
15°	1357.7	1315.1	1276.3	1236.8	1200.3	1148.9	1121.7	1082.5	1046.0	1004.8	985.0
17.5°	1397.1	1349.3	1288.3	1238.0	1195.5	1138.6	1098.5	1051.7	1008.6	961.3	934.4
20°	1419.7	1364.7	1299.2	1239.5	1188.4	1123.4	1080.0	1032.0	981.5	928.2	899.2
22.5°	1433.0	1375.3	1310.5	1234.2	1174.4	1111.1	1056.4	1003.8	952.6	895.3	864.8
25°	1437.3	1384.5	1316.0	1229.8	1156.8	1085.2	1019.3	968.3	906.3	852.6	808.3
27.5°	1416.3	1378.5	1312.6	1221.5	1136.5	1052.7	979.3	921.5	856.1	797.9	753.3
30°	1390.7	1368.6	1304.5	1213.1	1120.3	1030.3	949.3	883.9	818.8	759.9	714.2
32.5°	1350.9	1346.2	1289.8	1201.1	1103.1	1001.8	918.1	851.9	779.8	721.9	678.4
35°	1272.9	1294.0	1258.4	1174.4	1070.7	961.2	870.7	795.1	720.4	665.0	624.1
37.5°	1168.3	1220.6	1211.3	1135.3	1026.9	917.1	817.2	738.1	666.9	611.1	570.9
40°	1096.1	1163.0	1172.7	1105.4	996.0	883.0	777.1	698.4	629.0	578.0	537.5
42.5°	1018.8	1096.9	1123.4	1069.5	962.2	847.1	741.2	659.7	591.0	541.4	505.6
45°	889.2	992.5	1040.3	1009.6	905.9	788.1	679.1	596.4	534.0	487.4	459.8
47.5°	767.9	880.8	945.2	934.4	843.2	726.5	618.8	539.5	478.7	441.5	416.7
50°	682.2	798.1	876.0	879.5	798.1	682.6	574.5	499.7	443.9	409.2	389.0
52.5°	607.6	718.3	803.2	821.8	747.9	636.9	534.8	460.4	411.2	379.3	361.2
55°	510.3	603.9	697.9	732.3	672.9	567.4	472.9	407.4	361.3	339.3	323.5
57.5°	424.2	502.3	589.2	627.1	590.5	500.2	411.6	354.7	317.3	298.0	285.9
60°	378.8	440.4	517.7	563.0	531.4	451.0	373.6	319.5	288.8	271.6	260.2
62.5°	336.7	391.2	456.6	498.0	480.8	404.9	335.6	287.9	261.3	245.2	237.0
65°	277.8	320.9	371.4	409.7	398.2	340.6	284.0	243.1	222.0	209.2	202.6
67.5°	228.8	259.8	294.9	328.4	319.2	278.4	232.9	201.0	185.3	174.4	170.4
70°	197.8	221.5	252.7	279.6	272.1	238.7	202.6	175.4	161.8	152.5	148.5
72.5°	168.2	187.8	211.5	233.5	228.4	200.7	170.7	150.1	139.6	131.0	127.8
75°	127.0	142.0	156.4	171.0	169.6	148.1	130.5	114.7	106.3	99.8	98.4
77.5°	93.8	102.1	112.0	120.6	118.2	105.9	92.1	83.1	76.9	72.5	71.8
80°	71.6	76.5	83.5	89.6	86.6	81.3	70.3	63.7	59.3	54.9	53.2
82.5°	51.9	56.8	61.0	64.3	62.0	57.1	50.3	45.8	43.1	40.2	39.4
85°	27.2	29.9	31.7	32.5	31.7	28.6	25.5	23.8	21.5	20.2	19.8
87.5°	15.2	13.9	13.1	13.3	11.9	11.5	9.5	7.9	8.1	8.4	8.0
90°	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9	3.4	6.9	8.6
92.5°	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5	15.2	21.4	25.1
95°	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0	33.5	42.1	49.9
97.5°	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0	53.6	62.8	74.4
100°	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1	68.7	76.5	90.2
102.5°	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0	83.9	91.6	105.4
105°	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9	108.3	114.3	127.2
107.5°	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6	132.3	138.2	150.1
110°	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1	149.6	154.6	165.8



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2	164.6	170.5	181.0
115°	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8	189.1	194.2	204.5
117.5°	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1	212.6	217.7	226.9
120°	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3	227.7	232.9	240.6
122.5°	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8	241.4	246.6	255.0
125°	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8	260.4	265.5	275.9
127.5°	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9	276.4	283.5	294.9
130°	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9	285.2	293.9	305.9
132.5°	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1	294.2	303.5	316.2
135°	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5	305.9	316.2	329.1
137.5°	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2	318.3	328.6	342.3
140°	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1	326.6	336.8	350.6
142.5°	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0	334.8	344.4	358.2
145°	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4	348.9	357.5	370.4
147.5°	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9	362.5	370.7	382.5
150°	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5	372.0	378.9	390.1
152.5°	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1	380.3	387.2	397.0
155°	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7	393.6	398.7	408.2
157.5°	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1	404.9	409.1	417.2
160°	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6	412.5	415.9	422.8
162.5°	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1	418.6	422.1	427.6
165°	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9	427.1	428.8	433.9
167.5°	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1	434.1	435.7	438.9
170°	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0	438.2	439.1	441.7
172.5°	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7	441.7	441.2	443.8
175°	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0	445.1	444.3	446.0
177.5°	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5	446.2	445.5	446.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1128.5	1126.4	1119.0	1115.2	1108.8	1102.9	1099.0	1100.8	1102.2	1101.5	1100.4
5°	1096.1	1087.8	1075.0	1064.1	1056.2	1041.6	1035.5	1032.4	1029.8	1026.7	1023.6
7.5°	1057.7	1044.5	1026.2	1010.6	995.7	977.8	967.5	961.3	955.0	948.0	941.9
10°	1030.3	1011.8	992.5	970.4	952.9	936.6	922.1	912.5	903.7	895.4	889.2
12.5°	1001.4	980.2	956.2	926.2	906.8	883.6	881.3	864.3	850.6	845.4	838.2
15°	955.5	925.7	895.4	859.7	844.3	823.2	810.0	796.9	785.0	776.6	774.5
17.5°	903.4	864.7	834.6	809.0	783.8	762.2	750.0	739.4	729.7	718.5	717.0
20°	863.7	830.3	797.3	774.9	749.0	726.9	712.0	701.5	693.1	686.6	680.8
22.5°	826.0	789.5	759.3	734.8	709.2	691.5	679.7	669.5	662.5	655.2	649.9
25°	765.7	737.1	704.1	676.4	655.3	643.9	634.2	625.4	621.0	616.2	610.1
27.5°	712.8	681.1	650.2	628.8	610.3	600.1	593.2	587.3	583.2	580.3	576.9
30°	675.5	643.4	619.3	598.2	582.8	572.7	568.3	564.8	560.0	558.2	556.5
32.5°	639.7	610.8	590.1	571.8	557.2	550.5	546.5	543.4	539.6	537.8	534.3
35°	588.9	564.8	544.6	534.4	522.6	516.9	513.8	509.4	505.9	504.1	503.7
37.5°	541.2	520.2	507.0	494.0	489.0	485.4	481.2	478.2	477.2	476.9	476.5
40°	510.3	493.2	481.3	470.7	468.6	463.2	459.8	457.1	457.1	457.5	457.1
42.5°	482.2	466.7	456.3	447.2	444.6	441.4	437.9	437.7	438.5	440.0	438.5
45°	439.5	428.5	421.0	416.6	411.8	408.7	408.3	409.7	410.1	410.5	411.8
47.5°	400.3	393.0	386.2	381.4	379.3	378.8	378.2	380.6	382.6	383.4	385.5
50°	377.1	368.8	363.1	360.0	358.2	357.3	358.2	360.8	362.6	364.8	366.1
52.5°	351.1	345.2	341.2	338.9	338.2	338.7	338.9	341.9	344.7	345.4	346.1
55°	315.1	310.7	309.9	305.9	307.6	307.2	309.4	311.2	313.8	316.4	316.9
57.5°	279.3	275.8	273.4	273.7	274.2	276.2	278.0	281.1	284.0	286.7	287.0
60°	255.4	253.6	252.3	252.3	253.1	255.8	258.0	261.1	262.9	264.6	265.9
62.5°	233.6	231.8	230.5	231.2	233.5	235.1	237.6	239.3	241.0	242.8	243.4
65°	199.1	198.2	199.6	200.4	200.9	203.0	206.1	207.4	209.2	210.1	213.2
67.5°	167.4	167.6	167.4	168.6	171.2	171.7	174.6	177.6	178.0	179.7	181.7
70°	145.9	146.8	147.7	148.5	150.8	151.6	153.9	155.2	156.9	158.3	159.5
72.5°	126.2	126.4	127.3	127.1	129.0	130.9	132.8	134.1	135.8	137.5	138.8
75°	97.1	97.1	98.0	98.4	100.7	102.9	102.4	103.3	105.0	106.8	107.7
77.5°	70.9	70.0	70.9	71.4	72.1	74.0	74.3	75.5	77.5	76.9	77.9
80°	54.1	52.8	54.1	54.5	54.5	56.7	56.7	57.6	58.9	57.6	58.9
82.5°	38.6	38.0	38.9	39.0	39.7	39.8	40.6	40.7	42.0	41.4	42.0
85°	19.4	18.9	19.4	18.9	19.4	19.8	19.8	19.4	19.4	20.2	18.9
87.5°	8.0	8.2	8.7	9.9	10.6	10.4	9.9	9.7	9.4	9.0	9.2
90°	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5	25.7	27.5	28.3
92.5°	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9	64.3	57.1	51.7
95°	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2	172.7	136.6	117.7
97.5°	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4	429.8	336.8	274.8
100°	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5	678.0	560.3	456.3
102.5°	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3	930.3	844.2	734.0
105°	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0	1141.2	1152.4	1123.9
107.5°	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5	1125.7	1215.0	1256.6
110°	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8	1077.5	1187.6	1258.0



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9	1020.5	1138.1	1218.8
115°	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3	942.6	1055.2	1143.8
117.5°	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2	879.4	981.5	1064.5
120°	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9	846.4	937.5	1015.7
122.5°	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3	818.9	905.2	975.9
125°	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3	782.8	858.4	922.9
127.5°	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7	747.8	819.1	878.6
130°	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5	724.4	792.3	849.0
132.5°	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0	702.4	764.7	818.0
135°	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0	667.7	724.4	772.5
137.5°	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5	640.0	685.0	726.9
140°	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9	622.2	661.7	699.5
142.5°	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3	606.3	640.3	672.0
145°	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7	586.1	612.7	637.6
147.5°	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2	569.6	590.3	608.6
150°	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7	558.5	576.6	592.0
152.5°	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1	549.6	564.9	578.3
155°	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6	535.4	548.2	557.7
157.5°	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4	520.9	531.8	539.2
160°	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8	511.3	520.7	526.8
162.5°	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3	502.3	510.4	515.1
165°	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9	489.0	495.0	498.4
167.5°	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1	476.7	480.9	484.0
170°	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6	469.2	472.6	474.3
172.5°	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4	462.3	465.0	466.1
175°	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7	454.6	455.5	456.3
177.5°	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9	448.9	449.6	449.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1096.9	1096.1	1096.1	1093.0	1096.1	1096.1	1096.9	1100.4	1101.5	1102.2	1100.8
5°	1017.5	1016.2	1014.0	1016.2	1014.0	1016.2	1017.5	1023.6	1026.7	1029.8	1032.4
7.5°	939.0	933.8	933.0	927.7	933.0	933.8	939.0	941.9	948.0	955.0	961.3
10°	881.7	878.1	877.7	869.4	877.7	878.1	881.7	889.2	895.4	903.7	912.5
12.5°	838.1	829.7	831.3	826.5	831.3	829.7	838.1	838.2	845.4	850.6	864.3
15°	762.6	762.6	760.8	753.4	760.8	762.6	762.6	774.5	776.6	785.0	796.9
17.5°	708.3	707.5	703.3	705.3	703.3	707.5	708.3	717.0	718.5	729.7	739.4
20°	676.0	673.4	668.0	668.0	668.0	673.4	676.0	680.8	686.6	693.1	701.5
22.5°	645.4	645.2	639.6	641.4	639.6	645.2	645.4	649.9	655.2	662.5	669.5
25°	609.6	606.1	603.5	604.8	603.5	606.1	609.6	610.1	616.2	621.0	625.4
27.5°	575.7	573.8	573.6	570.0	573.6	573.8	575.7	576.9	580.3	583.2	587.3
30°	556.0	551.6	552.5	550.3	552.5	551.6	556.0	556.5	558.2	560.0	564.8
32.5°	533.5	531.9	531.1	529.2	531.1	531.9	533.5	534.3	537.8	539.6	543.4
35°	502.8	503.3	501.1	502.0	501.1	503.3	502.8	503.7	504.1	505.9	509.4
37.5°	476.0	477.4	476.4	476.6	476.4	477.4	476.0	476.5	476.9	477.2	478.2
40°	458.4	458.4	458.4	459.8	458.4	458.4	458.4	457.1	457.5	457.1	457.1
42.5°	441.5	440.8	440.1	440.1	440.1	440.8	441.5	438.5	440.0	438.5	437.7
45°	412.7	414.1	414.5	412.2	414.5	414.1	412.7	411.8	410.5	410.1	409.7
47.5°	386.6	386.8	386.6	388.6	386.6	386.8	386.6	385.5	383.4	382.6	380.6
50°	368.3	367.5	368.3	367.5	368.3	367.5	368.3	366.1	364.8	362.6	360.8
52.5°	349.0	349.1	348.6	348.4	348.6	349.1	349.0	346.1	345.4	344.7	341.9
55°	318.7	319.5	319.1	319.1	319.1	319.5	318.7	316.9	316.4	313.8	311.2
57.5°	287.3	288.1	288.7	286.7	288.7	288.1	287.3	287.0	286.7	284.0	281.1
60°	265.4	267.7	267.3	266.4	267.3	267.7	265.4	265.9	264.6	262.9	261.1
62.5°	245.5	246.2	246.2	246.0	246.2	246.2	245.5	243.4	242.8	241.0	239.3
65°	214.5	215.3	214.0	215.3	214.0	215.3	214.5	213.2	210.1	209.2	207.4
67.5°	181.2	181.4	182.4	183.0	182.4	181.4	181.2	181.7	179.7	178.0	177.6
70°	160.4	160.0	161.3	162.6	161.3	160.0	160.4	159.5	158.3	156.9	155.2
72.5°	138.6	139.6	139.1	140.1	139.1	139.6	138.6	138.8	137.5	135.8	134.1
75°	106.8	108.1	107.7	109.0	107.7	108.1	106.8	107.7	106.8	105.0	103.3
77.5°	77.1	77.3	77.1	77.9	77.1	77.3	77.1	77.9	76.9	77.5	75.5
80°	58.9	58.0	57.2	58.9	57.2	58.0	58.9	58.9	57.6	58.9	57.6
82.5°	41.0	41.5	40.6	40.6	40.6	41.5	41.0	42.0	41.4	42.0	40.7
85°	18.9	18.4	17.6	17.6	17.6	18.4	18.9	18.9	20.2	19.4	19.4
87.5°	9.2	8.9	8.9	8.5	8.9	8.9	9.2	9.2	9.0	9.4	9.7
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5
92.5°	51.1	48.3	49.0	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9
95°	106.6	99.7	97.1	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2
97.5°	233.8	212.6	200.0	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4
100°	385.0	348.0	323.1	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5
102.5°	656.5	593.4	562.3	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3
105°	1070.7	1017.4	980.4	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0
107.5°	1263.3	1260.4	1253.0	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5
110°	1294.9	1311.3	1319.1	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1270.2	1297.5	1312.2	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9
115°	1204.7	1244.2	1266.6	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3
117.5°	1126.7	1168.5	1192.1	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2
120°	1075.8	1116.2	1141.2	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9
122.5°	1029.8	1069.4	1091.7	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3
125°	972.8	1005.4	1026.8	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3
127.5°	922.0	952.6	971.2	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7
130°	891.1	920.3	937.5	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5
132.5°	859.5	888.7	904.5	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0
135°	809.4	837.8	853.3	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0
137.5°	760.7	785.1	798.7	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5
140°	726.9	749.3	762.2	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9
142.5°	698.1	718.4	729.9	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3
145°	658.2	672.9	681.4	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7
147.5°	625.6	637.2	643.1	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2
150°	604.9	615.3	620.4	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7
152.5°	588.4	597.4	601.2	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1
155°	567.1	573.2	576.6	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6
157.5°	545.8	550.8	552.3	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4
160°	532.8	537.1	538.0	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8
162.5°	521.1	524.0	524.9	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3
165°	501.8	505.2	505.2	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9
167.5°	485.5	487.4	487.2	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1
170°	475.2	477.8	476.9	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6
172.5°	466.9	468.1	467.3	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4
175°	456.3	457.2	456.3	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7
177.5°	449.6	449.6	448.9	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1099.0	1102.9	1108.8	1115.2	1119.0	1126.4	1128.5	1132.0	1135.2	1142.6	1150.3
5°	1035.5	1041.6	1056.2	1064.1	1075.0	1087.8	1096.1	1105.0	1114.7	1131.4	1146.7
7.5°	967.5	977.8	995.7	1010.6	1026.2	1044.5	1057.7	1075.0	1089.5	1113.0	1135.6
10°	922.1	936.6	952.9	970.4	992.5	1011.8	1030.3	1052.2	1069.8	1097.9	1124.3
12.5°	881.3	883.6	906.8	926.2	956.2	980.2	1001.4	1029.8	1047.0	1080.4	1108.1
15°	810.0	823.2	844.3	859.7	895.4	925.7	955.5	985.0	1004.8	1046.0	1082.5
17.5°	750.0	762.2	783.8	809.0	834.6	864.7	903.4	934.4	961.3	1008.6	1051.7
20°	712.0	726.9	749.0	774.9	797.3	830.3	863.7	899.2	928.2	981.5	1032.0
22.5°	679.7	691.5	709.2	734.8	759.3	789.5	826.0	864.8	895.3	952.6	1003.8
25°	634.2	643.9	655.3	676.4	704.1	737.1	765.7	808.3	852.6	906.3	968.3
27.5°	593.2	600.1	610.3	628.8	650.2	681.1	712.8	753.3	797.9	856.1	921.5
30°	568.3	572.7	582.8	598.2	619.3	643.4	675.5	714.2	759.9	818.8	883.9
32.5°	546.5	550.5	557.2	571.8	590.1	610.8	639.7	678.4	721.9	779.8	851.9
35°	513.8	516.9	522.6	534.4	544.6	564.8	588.9	624.1	665.0	720.4	795.1
37.5°	481.2	485.4	489.0	494.0	507.0	520.2	541.2	570.9	611.1	666.9	738.1
40°	459.8	463.2	468.6	470.7	481.3	493.2	510.3	537.5	578.0	629.0	698.4
42.5°	437.9	441.4	444.6	447.2	456.3	466.7	482.2	505.6	541.4	591.0	659.7
45°	408.3	408.7	411.8	416.6	421.0	428.5	439.5	459.8	487.4	534.0	596.4
47.5°	378.2	378.8	379.3	381.4	386.2	393.0	400.3	416.7	441.5	478.7	539.5
50°	358.2	357.3	358.2	360.0	363.1	368.8	377.1	389.0	409.2	443.9	499.7
52.5°	338.9	338.7	338.2	338.9	341.2	345.2	351.1	361.2	379.3	411.2	460.4
55°	309.4	307.2	307.6	305.9	309.9	310.7	315.1	323.5	339.3	361.3	407.4
57.5°	278.0	276.2	274.2	273.7	273.4	275.8	279.3	285.9	298.0	317.3	354.7
60°	258.0	255.8	253.1	252.3	252.3	253.6	255.4	260.2	271.6	288.8	319.5
62.5°	237.6	235.1	233.5	231.2	230.5	231.8	233.6	237.0	245.2	261.3	287.9
65°	206.1	203.0	200.9	200.4	199.6	198.2	199.1	202.6	209.2	222.0	243.1
67.5°	174.6	171.7	171.2	168.6	167.4	167.6	167.4	170.4	174.4	185.3	201.0
70°	153.9	151.6	150.8	148.5	147.7	146.8	145.9	148.5	152.5	161.8	175.4
72.5°	132.8	130.9	129.0	127.1	127.3	126.4	126.2	127.8	131.0	139.6	150.1
75°	102.4	102.9	100.7	98.4	98.0	97.1	97.1	98.4	99.8	106.3	114.7
77.5°	74.3	74.0	72.1	71.4	70.9	70.0	70.9	71.8	72.5	76.9	83.1
80°	56.7	56.7	54.5	54.5	54.1	52.8	54.1	53.2	54.9	59.3	63.7
82.5°	40.6	39.8	39.7	39.0	38.9	38.0	38.6	39.4	40.2	43.1	45.8
85°	19.8	19.8	19.4	18.9	19.4	18.9	19.4	19.8	20.2	21.5	23.8
87.5°	9.9	10.4	10.6	9.9	8.7	8.2	8.0	8.0	8.4	8.1	7.9
90°	28.3	29.2	28.3	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9
92.5°	94.4	111.7	110.1	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5
95°	294.7	336.8	298.2	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0
97.5°	603.2	575.1	433.1	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0
100°	802.6	678.8	467.4	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1
102.5°	876.8	682.3	454.4	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0
105°	865.3	636.7	428.8	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9
107.5°	789.9	588.0	416.0	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6
110°	742.4	564.6	413.4	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	709.5	549.4	414.0	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2
115°	668.6	532.8	417.6	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8
117.5°	642.7	524.7	423.8	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1
120°	629.0	519.9	427.9	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3
122.5°	617.3	517.1	432.7	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8
125°	600.6	512.1	440.0	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8
127.5°	585.2	509.2	447.4	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9
130°	574.9	507.8	452.9	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9
132.5°	566.6	507.1	458.3	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1
135°	555.1	506.1	464.9	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5
137.5°	547.0	505.9	470.7	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2
140°	542.3	505.2	473.5	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1
142.5°	537.4	505.2	475.5	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0
145°	531.1	503.5	477.8	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4
147.5°	524.5	500.5	478.5	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9
150°	519.0	498.4	477.8	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5
152.5°	514.2	495.0	476.4	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1
155°	505.2	489.0	474.3	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7
157.5°	496.9	482.8	470.4	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1
160°	490.7	478.6	468.3	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6
162.5°	485.2	475.2	466.2	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1
165°	476.0	468.3	462.3	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9
167.5°	467.1	462.3	458.3	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1
170°	462.3	458.8	456.3	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0
172.5°	457.5	454.8	453.6	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7
175°	451.2	450.3	449.4	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0
177.5°	447.5	446.9	447.5	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331359-935

CATALOG NUMBER: SA2XXDIP-C675D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1149.6	1151.4	1157.0	1162.6	1169.0	1170.7	1173.5	1171.0	1170.4	1177.1	1182.0
5°	1152.9	1160.8	1176.2	1190.2	1202.1	1210.5	1219.3	1222.8	1229.3	1238.5	1250.0
7.5°	1149.2	1164.6	1188.8	1209.2	1231.6	1247.7	1260.2	1270.9	1283.9	1301.4	1320.5
10°	1145.0	1165.6	1195.1	1220.1	1247.3	1268.0	1285.2	1301.8	1321.2	1345.4	1370.5
12.5°	1137.2	1161.7	1198.6	1228.2	1263.2	1283.5	1306.7	1342.6	1363.4	1397.1	1432.4
15°	1121.7	1148.9	1200.3	1236.8	1276.3	1315.1	1357.7	1392.0	1426.2	1446.0	1495.7
17.5°	1098.5	1138.6	1195.5	1238.0	1288.3	1349.3	1397.1	1436.0	1475.6	1507.7	1532.6
20°	1080.0	1123.4	1188.4	1239.5	1299.2	1364.7	1419.7	1459.2	1493.5	1520.4	1535.7
22.5°	1056.4	1111.1	1174.4	1234.2	1310.5	1375.3	1433.0	1464.1	1492.8	1505.9	1511.8
25°	1019.3	1085.2	1156.8	1229.8	1316.0	1384.5	1437.3	1456.1	1464.5	1451.7	1430.6
27.5°	979.3	1052.7	1136.5	1221.5	1312.6	1378.5	1416.3	1413.3	1399.2	1358.0	1325.0
30°	949.3	1030.3	1120.3	1213.1	1304.5	1368.6	1390.7	1368.6	1336.6	1290.5	1243.5
32.5°	918.1	1001.8	1103.1	1201.1	1289.8	1346.2	1350.9	1313.1	1263.4	1211.0	1152.4
35°	870.7	961.2	1070.7	1174.4	1258.4	1294.0	1272.9	1206.1	1147.2	1075.6	995.5
37.5°	817.2	917.1	1026.9	1135.3	1211.3	1220.6	1168.3	1097.9	1014.9	930.7	836.5
40°	777.1	883.0	996.0	1105.4	1172.7	1163.0	1096.1	1018.8	919.9	817.1	729.6
42.5°	741.2	847.1	962.2	1069.5	1123.4	1096.9	1018.8	923.9	817.6	720.7	640.7
45°	679.1	788.1	905.9	1009.6	1040.3	992.5	889.2	783.7	679.1	598.2	534.9
47.5°	618.8	726.5	843.2	934.4	945.2	880.8	767.9	659.4	569.5	503.6	458.9
50°	574.5	682.6	798.1	879.5	876.0	798.1	682.2	578.9	503.7	450.5	420.6
52.5°	534.8	636.9	747.9	821.8	803.2	718.3	607.6	515.9	454.1	412.5	385.5
55°	472.9	567.4	672.9	732.3	697.9	603.9	510.3	436.4	390.7	359.6	338.5
57.5°	411.6	500.2	590.5	627.1	589.2	502.3	424.2	370.7	336.3	313.2	299.5
60°	373.6	451.0	531.4	563.0	517.7	440.4	378.8	331.0	303.2	284.4	272.1
62.5°	335.6	404.9	480.8	498.0	456.6	391.2	336.7	296.9	274.1	257.3	245.7
65°	284.0	340.6	398.2	409.7	371.4	320.9	277.8	251.8	231.6	219.3	210.1
67.5°	232.9	278.4	319.2	328.4	294.9	259.8	228.8	206.1	192.4	182.2	174.4
70°	202.6	238.7	272.1	279.6	252.7	221.5	197.8	179.8	167.5	158.7	151.2
72.5°	170.7	200.7	228.4	233.5	211.5	187.8	168.2	154.1	143.2	137.6	130.4
75°	130.5	148.1	169.6	171.0	156.4	142.0	127.0	117.8	112.1	105.0	101.5
77.5°	92.1	105.9	118.2	120.6	112.0	102.1	93.8	86.5	81.6	78.4	75.2
80°	70.3	81.3	86.6	89.6	83.5	76.5	71.6	66.8	63.7	61.6	59.3
82.5°	50.3	57.1	62.0	64.3	61.0	56.8	51.9	49.2	46.8	45.0	44.3
85°	25.5	28.6	31.7	32.5	31.7	29.9	27.2	27.2	25.9	25.5	25.5
87.5°	9.5	11.5	11.9	13.3	13.1	13.9	15.2	15.8	15.7	15.2	14.6
90°	3.4	6.9	8.6	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5
92.5°	15.2	21.4	25.1	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9
95°	33.5	42.1	49.9	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2
97.5°	53.6	62.8	74.4	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4
100°	68.7	76.5	90.2	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5
102.5°	83.9	91.6	105.4	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3
105°	108.3	114.3	127.2	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0
107.5°	132.3	138.2	150.1	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5
110°	149.6	154.6	165.8	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	164.6	170.5	181.0	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9
115°	189.1	194.2	204.5	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3
117.5°	212.6	217.7	226.9	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2
120°	227.7	232.9	240.6	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9
122.5°	241.4	246.6	255.0	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3
125°	260.4	265.5	275.9	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3
127.5°	276.4	283.5	294.9	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7
130°	285.2	293.9	305.9	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5
132.5°	294.2	303.5	316.2	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0
135°	305.9	316.2	329.1	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0
137.5°	318.3	328.6	342.3	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5
140°	326.6	336.8	350.6	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9
142.5°	334.8	344.4	358.2	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3
145°	348.9	357.5	370.4	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7
147.5°	362.5	370.7	382.5	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2
150°	372.0	378.9	390.1	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7
152.5°	380.3	387.2	397.0	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1
155°	393.6	398.7	408.2	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6
157.5°	404.9	409.1	417.2	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4
160°	412.5	415.9	422.8	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8
162.5°	418.6	422.1	427.6	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3
165°	427.1	428.8	433.9	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9
167.5°	434.1	435.7	438.9	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1
170°	438.2	439.1	441.7	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6
172.5°	441.7	441.2	443.8	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4
175°	445.1	444.3	446.0	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7
177.5°	446.2	445.5	446.9	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7	1143.7
2.5°	1186.2	1191.1	1191.1	1191.8	1197.5	1196.7	1196.4
5°	1262.3	1269.8	1270.7	1278.6	1283.8	1282.1	1277.3
7.5°	1334.1	1348.1	1358.6	1364.4	1371.4	1375.7	1373.8
10°	1391.1	1411.4	1423.7	1432.0	1442.1	1449.6	1446.9
12.5°	1442.8	1466.9	1483.8	1498.1	1499.4	1509.0	1502.4
15°	1523.4	1548.9	1551.5	1562.1	1570.5	1569.5	1569.9
17.5°	1550.1	1558.2	1559.9	1560.1	1560.2	1557.1	1550.5
20°	1540.5	1537.5	1530.0	1524.3	1514.2	1512.9	1504.1
22.5°	1495.6	1485.7	1467.1	1454.7	1438.9	1434.8	1432.4
25°	1407.0	1385.3	1355.5	1326.9	1319.1	1303.6	1308.0
27.5°	1285.4	1251.8	1219.4	1196.2	1175.2	1152.2	1158.7
30°	1199.9	1162.1	1116.4	1081.2	1058.9	1036.8	1032.9
32.5°	1097.9	1042.6	991.5	960.6	926.3	912.4	897.2
35°	922.1	868.1	817.5	774.0	749.0	729.6	712.0
37.5°	764.0	701.7	661.0	625.7	607.6	596.5	599.3
40°	665.9	611.4	581.5	554.7	538.0	530.0	531.8
42.5°	586.4	545.6	521.0	502.7	490.9	486.5	485.4
45°	496.2	473.4	453.1	442.6	436.9	432.0	429.0
47.5°	434.7	416.0	404.7	398.4	393.4	388.5	388.4
50°	397.8	385.5	377.5	370.9	367.0	363.5	366.5
52.5°	369.6	358.3	350.5	344.6	343.1	339.9	339.8
55°	327.9	319.1	313.4	308.1	305.5	303.7	301.5
57.5°	289.9	281.5	276.3	272.9	267.9	266.1	265.4
60°	262.9	256.2	251.0	246.6	244.4	240.8	240.8
62.5°	237.9	231.3	226.4	223.0	219.4	218.0	218.3
65°	201.7	196.5	191.7	188.1	187.3	184.6	185.5
67.5°	168.5	165.0	159.9	158.0	156.3	154.9	153.9
70°	146.4	142.8	140.2	137.6	136.2	136.2	136.2
72.5°	127.7	123.5	121.9	118.6	119.3	118.0	116.6
75°	98.9	96.3	95.0	93.6	91.4	91.4	91.4
77.5°	72.8	72.0	70.4	69.0	68.4	68.0	68.2
80°	56.2	55.8	54.9	54.9	54.1	53.6	52.8
82.5°	43.2	42.1	41.6	41.2	41.1	41.0	40.8
85°	24.6	23.8	23.8	24.2	23.3	23.3	23.8
87.5°	14.6	15.0	14.8	14.8	15.2	14.8	14.8
90°	25.7	27.5	28.3	28.3	28.3	28.3	28.3
92.5°	64.3	57.1	51.7	51.1	48.3	49.0	47.6
95°	172.7	136.6	117.7	106.6	99.7	97.1	98.0
97.5°	429.8	336.8	274.8	233.8	212.6	200.0	192.9
100°	678.0	560.3	456.3	385.0	348.0	323.1	307.6
102.5°	930.3	844.2	734.0	656.5	593.4	562.3	541.4
105°	1141.2	1152.4	1123.9	1070.7	1017.4	980.4	968.5
107.5°	1125.7	1215.0	1256.6	1263.3	1260.4	1253.0	1237.1
110°	1077.5	1187.6	1258.0	1294.9	1311.3	1319.1	1318.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1020.5	1138.1	1218.8	1270.2	1297.5	1312.2	1316.8
115°	942.6	1055.2	1143.8	1204.7	1244.2	1266.6	1274.4
117.5°	879.4	981.5	1064.5	1126.7	1168.5	1192.1	1198.5
120°	846.4	937.5	1015.7	1075.8	1116.2	1141.2	1149.8
122.5°	818.9	905.2	975.9	1029.8	1069.4	1091.7	1098.9
125°	782.8	858.4	922.9	972.8	1005.4	1026.8	1033.7
127.5°	747.8	819.1	878.6	922.0	952.6	971.2	976.7
130°	724.4	792.3	849.0	891.1	920.3	937.5	944.3
132.5°	702.4	764.7	818.0	859.5	888.7	904.5	910.7
135°	667.7	724.4	772.5	809.4	837.8	853.3	856.7
137.5°	640.0	685.0	726.9	760.7	785.1	798.7	803.8
140°	622.2	661.7	699.5	726.9	749.3	762.2	767.3
142.5°	606.3	640.3	672.0	698.1	718.4	729.9	730.9
145°	586.1	612.7	637.6	658.2	672.9	681.4	684.0
147.5°	569.6	590.3	608.6	625.6	637.2	643.1	644.6
150°	558.5	576.6	592.0	604.9	615.3	620.4	621.3
152.5°	549.6	564.9	578.3	588.4	597.4	601.2	601.3
155°	535.4	548.2	557.7	567.1	573.2	576.6	574.9
157.5°	520.9	531.8	539.2	545.8	550.8	552.3	552.3
160°	511.3	520.7	526.8	532.8	537.1	538.0	538.0
162.5°	502.3	510.4	515.1	521.1	524.0	524.9	524.2
165°	489.0	495.0	498.4	501.8	505.2	505.2	504.4
167.5°	476.7	480.9	484.0	485.5	487.4	487.2	486.2
170°	469.2	472.6	474.3	475.2	477.8	476.9	475.2
172.5°	462.3	465.0	466.1	466.9	468.1	467.3	466.2
175°	454.6	455.5	456.3	456.3	457.2	456.3	454.6
177.5°	448.9	449.6	449.6	449.6	449.6	448.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9

(END OF REPORT)