

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: P331687-935

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331687-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
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-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4682.5 lumens
Efficiency: N/A
Efficacy: 102.0 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

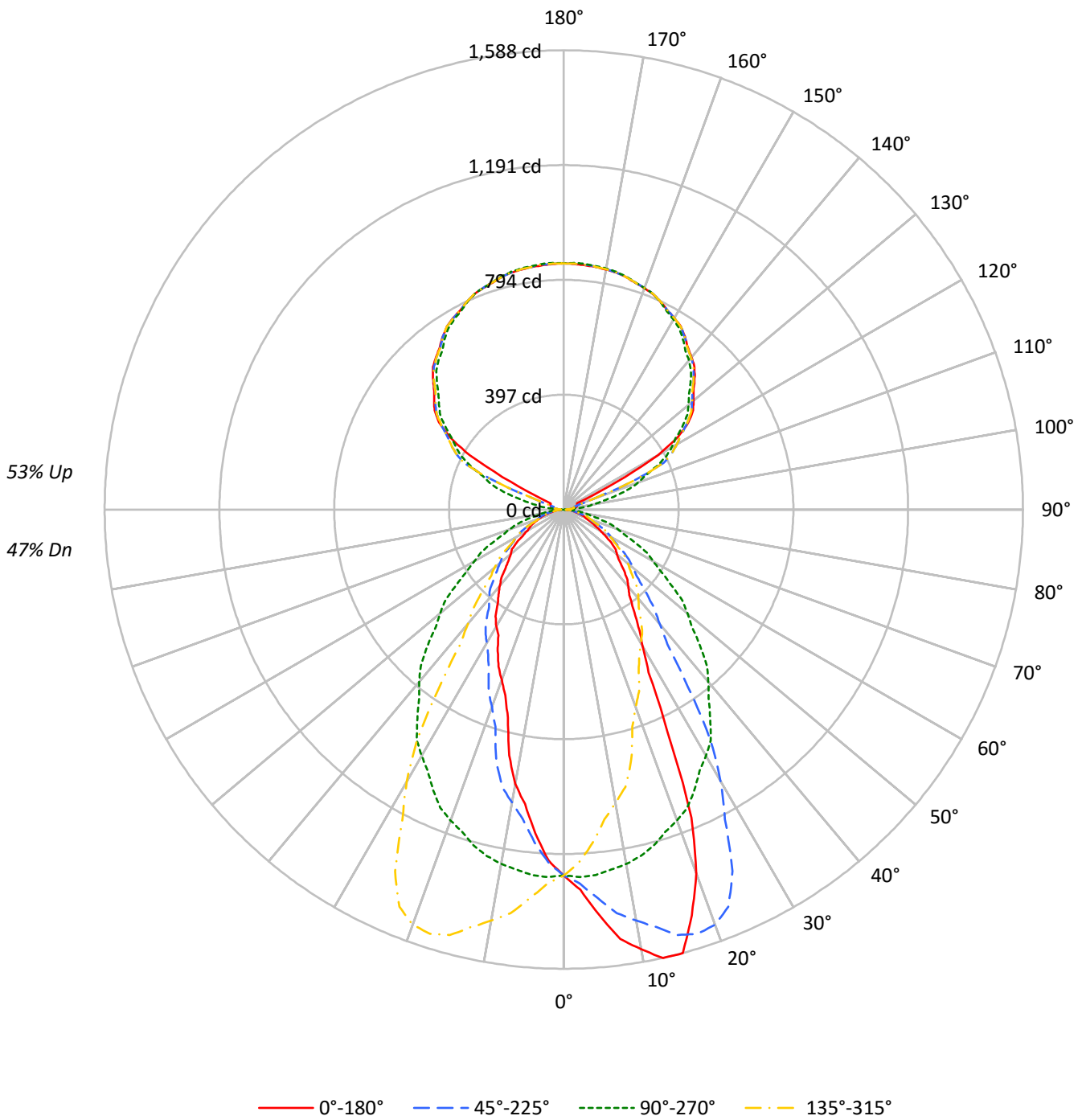
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46				41	
2	90	83	77	72	82	76	71	67	64	61	58	53	51	49	43	42	40				35	
3	82	73	67	61	75	68	62	57	58	53	50	48	45	42	39	37	35				31	
4	76	66	58	52	69	61	54	49	52	47	43	43	40	37	35	33	31				27	
5	70	59	51	45	64	55	48	43	47	42	38	39	35	33	32	30	28				24	
6	65	53	45	40	59	49	43	38	42	37	33	36	32	29	30	27	25				22	
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	25	22				20	
8	56	44	37	32	51	41	35	30	36	30	27	30	26	23	25	22	20				18	
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19				16	
10	49	37	30	26	45	35	29	24	30	25	22	26	22	20	22	19	17				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	7.1
20°-30°	430.5	9.2
30°-40°	409.1	8.7
40°-50°	350.5	7.5
50°-60°	266.9	5.7
60°-70°	168.7	3.6
70°-80°	84.3	1.8
80°-90°	24.0	0.5
90°-100°	28.4	0.6
100°-110°	104.1	2.2
110°-120°	278.3	5.9
120°-130°	459.4	9.8
130°-140°	488.6	10.4
140°-150°	454.1	9.7
150°-160°	365.1	7.8
160°-170°	235.3	5.0
170°-180°	81.0	1.7
0°-30°	884.5	18.9
0°-40°	1293.7	27.6
0°-60°	1911.1	40.8
0°-90°	2188.1	46.7
90°-120°	410.8	8.8
90°-150°	1813.0	38.7
90°-180°	2494.0	53.3
0°-180°	4682.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1407	1268	1124	1268	1407	139
15°	1588	1203	744	1203	1588	428
25°	847	1070	540	1070	847	402
35°	418	882	398	882	418	267
45°	290	666	284	666	290	224
55°	201	452	199	452	201	177
65°	105	274	119	274	105	106
75°	55	130	63	130	55	59
85°	16	29	17	29	16	17
90°	17	1	17	1	17	8
95°	26	40	26	40	26	25
105°	47	187	47	187	47	49
115°	50	354	50	354	50	126
125°	527	501	527	501	527	456
135°	640	620	640	620	640	493
145°	730	719	730	719	730	456
155°	792	791	792	791	792	365
165°	832	834	832	834	832	235
175°	848	853	848	853	848	81
180°	851	851	851	851	851	



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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°	9.0	9.2	9.2	9.1	9.1	9.0	8.9	9.0	8.6	8.8	8.2
90°	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7	13.0	12.3	11.2
92.5°	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0	14.6	14.3	13.8
95°	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4	24.7	24.0	23.1
97.5°	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2	32.7	32.1	30.0
100°	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3	36.2	35.1	32.8
102.5°	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9	37.5	36.1	55.5
105°	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6	39.1	37.5	74.9
107.5°	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5	51.1	52.6	97.4
110°	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4	94.1	107.8	147.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0	222.0	271.8	281.6
115°	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3	316.7	380.0	376.6
117.5°	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3	405.6	420.9	418.5
120°	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8	453.1	451.4	449.0
122.5°	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5	481.5	480.5	477.9
125°	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4	521.4	520.5	517.8
127.5°	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2	557.8	556.4	554.5
130°	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6	581.1	579.5	578.1
132.5°	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3	604.0	602.7	601.2
135°	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7	636.4	635.0	633.8
137.5°	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9	666.5	665.2	663.7
140°	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3	686.1	684.9	683.4
142.5°	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3	704.2	703.1	701.4
145°	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6	729.6	728.6	726.3
147.5°	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4	751.7	751.1	748.7
150°	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9	765.2	764.3	762.2
152.5°	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3	777.5	776.6	774.6
155°	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0	794.1	793.2	791.6
157.5°	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9	808.0	807.1	805.9
160°	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1	816.3	815.5	814.6
162.5°	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7	823.8	822.9	822.2
165°	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0	833.0	832.1	831.6
167.5°	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8	840.8	839.8	839.5
170°	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7	844.7	843.8	843.5
172.5°	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7	847.7	846.7	846.4
175°	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9	850.9	850.0	849.6
177.5°	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2	851.4	850.7	850.6
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1295.1	1292.3	1289.9	1283.5	1280.4	1273.3	1272.3	1272.0	1262.7	1254.0	1251.5
5°	1339.6	1332.6	1322.0	1309.7	1296.9	1283.8	1275.0	1268.0	1250.3	1233.6	1224.0
7.5°	1384.4	1369.3	1351.1	1327.8	1308.4	1286.6	1270.4	1255.9	1231.0	1207.0	1190.9
10°	1417.8	1393.2	1369.1	1337.0	1311.9	1287.3	1264.5	1244.7	1216.5	1184.9	1162.4
12.5°	1438.6	1411.5	1378.2	1346.8	1314.4	1283.1	1252.5	1227.1	1194.0	1161.3	1134.7
15°	1466.6	1437.6	1397.1	1352.4	1310.6	1269.7	1234.6	1202.9	1159.9	1120.8	1088.2
17.5°	1489.5	1449.7	1406.2	1354.4	1306.1	1254.0	1208.8	1168.4	1120.4	1073.2	1034.9
20°	1496.9	1457.4	1407.3	1355.4	1298.3	1237.2	1188.4	1144.4	1093.0	1041.6	997.6
22.5°	1492.4	1461.6	1405.8	1343.8	1285.3	1221.3	1166.2	1115.3	1058.3	1005.7	954.8
25°	1461.4	1450.8	1398.1	1330.3	1263.6	1189.3	1125.6	1069.7	1004.7	948.5	893.0
27.5°	1389.0	1411.8	1379.1	1307.0	1232.7	1153.1	1081.4	1017.9	950.4	887.1	831.9
30°	1319.4	1371.7	1357.6	1290.8	1207.7	1129.5	1049.1	982.7	910.7	845.6	791.1
32.5°	1224.1	1310.5	1324.2	1268.3	1182.4	1096.5	1012.2	946.2	870.9	802.4	749.2
35°	1072.4	1201.6	1260.9	1225.3	1139.2	1046.5	959.4	882.5	806.9	739.3	686.5
37.5°	891.4	1067.4	1166.2	1168.8	1089.7	993.2	898.5	822.2	744.8	678.3	621.3
40°	774.0	964.7	1093.5	1122.1	1055.2	951.1	855.2	777.5	701.9	636.8	571.4
42.5°	668.5	858.5	1016.8	1066.5	1013.4	909.9	813.8	732.5	659.0	597.4	530.5
45°	540.6	706.7	881.2	970.0	940.6	844.7	743.2	665.8	596.8	543.6	479.5
47.5°	456.0	573.1	741.9	862.0	861.5	774.0	674.2	600.1	536.1	486.3	434.3
50°	407.9	509.8	652.6	788.9	800.3	726.9	632.0	558.6	498.9	446.5	404.8
52.5°	364.6	448.7	577.0	707.7	740.2	676.7	584.5	516.8	458.7	410.7	374.9
55°	308.1	373.2	470.7	592.9	642.1	597.3	515.6	452.3	405.2	364.8	334.0
57.5°	260.6	309.4	387.7	486.1	543.4	515.2	447.7	396.3	356.1	319.5	295.2
60°	230.7	270.7	337.1	419.3	482.6	462.8	405.2	357.3	323.0	291.4	268.5
62.5°	202.6	236.9	293.9	360.6	418.6	410.4	363.3	323.2	293.2	264.3	245.0
65°	163.1	188.1	232.5	284.8	331.4	335.4	301.5	274.2	247.5	224.5	207.4
67.5°	129.8	146.2	177.5	221.5	256.4	268.9	248.2	227.4	206.1	188.5	173.6
70°	109.4	122.6	145.5	181.1	213.2	226.4	214.5	198.2	179.8	165.2	152.5
72.5°	88.7	101.5	118.4	144.5	172.0	186.2	182.1	170.5	155.5	143.4	131.4
75°	66.8	70.8	82.2	99.8	121.3	133.6	136.7	130.5	118.6	109.4	102.4
77.5°	49.4	51.7	57.3	66.5	80.5	91.5	96.0	95.3	87.1	81.7	75.2
80°	39.5	40.9	43.5	47.4	58.0	69.0	72.1	72.1	66.4	64.1	57.6
82.5°	30.0	31.0	32.6	34.8	39.7	49.3	52.8	53.5	49.9	46.9	41.8
85°	17.1	16.7	17.6	18.9	19.8	22.4	27.7	28.6	27.7	24.2	22.8
87.5°	8.0	8.1	7.9	7.3	7.3	7.4	8.9	10.3	9.2	8.4	8.1
90°	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6	2.2	3.6	5.2
92.5°	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4	12.3	12.1	12.1
95°	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0	35.6	31.0	26.5
97.5°	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5	66.7	54.0	41.2
100°	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0	90.2	71.5	52.8
102.5°	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5	137.6	133.6	129.7
105°	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3	191.3	195.4	199.6
107.5°	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4	242.6	246.0	249.3
110°	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9	275.7	278.6	281.5



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4	306.9	309.4	312.0
115°	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1	356.5	358.8	361.1
117.5°	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6	401.2	403.8	406.4
120°	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1	433.2	435.2	437.3
122.5°	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7	460.9	463.0	465.2
125°	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8	502.5	504.3	506.1
127.5°	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8	540.8	542.8	544.7
130°	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9	565.2	567.3	569.5
132.5°	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5	589.4	591.3	593.1
135°	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6	621.8	624.0	626.2
137.5°	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0	653.5	655.0	656.6
140°	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2	674.2	675.4	676.5
142.5°	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0	691.9	692.9	693.9
145°	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8	718.6	718.5	718.3
147.5°	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0	742.5	742.0	741.5
150°	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8	757.9	756.9	756.0
152.5°	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1	771.0	770.0	768.9
155°	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4	790.2	788.9	787.7
157.5°	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6	805.6	804.5	803.5
160°	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	814.6	813.8	813.0
162.5°	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4	822.5	821.7	820.9
165°	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0	833.1	832.3	831.5
167.5°	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8	841.0	840.2	839.4
170°	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3	845.4	844.6	843.8
172.5°	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2	848.3	847.6	846.7
175°	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0	852.0	851.1	850.2
177.5°	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7	852.9	852.1	851.4
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331687-935
 CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A

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°	8.0	7.9	7.4	7.7	7.8	7.7	7.8	7.7	7.8	7.9	7.7
90°	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7	14.4	15.1	15.5
92.5°	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0	15.3	15.7	16.0
95°	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4	26.1	26.8	27.0
97.5°	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2	33.8	34.4	34.7
100°	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3	38.4	39.5	40.2
102.5°	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9	40.4	41.8	42.7
105°	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6	42.1	43.6	44.6
107.5°	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5	48.0	46.5	46.0
110°	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4	66.7	53.0	46.5



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0	122.1	72.2	47.4
115°	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3	189.9	126.6	89.9
117.5°	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3	374.9	359.6	335.7
120°	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8	456.4	458.1	449.6
122.5°	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5	483.5	484.5	483.2
125°	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4	523.3	524.3	525.0
127.5°	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2	560.6	562.0	562.7
130°	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6	584.1	585.6	586.3
132.5°	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3	606.6	607.9	608.5
135°	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7	639.1	640.5	641.0
137.5°	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9	669.2	670.5	671.0
140°	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3	688.5	689.8	690.1
142.5°	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3	706.5	707.6	707.8
145°	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6	731.5	732.5	732.5
147.5°	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4	753.2	753.9	754.0
150°	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9	766.8	767.6	767.7
152.5°	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3	779.1	780.0	779.9
155°	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0	795.7	796.6	796.4
157.5°	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9	809.9	810.8	810.7
160°	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1	817.9	818.7	818.6
162.5°	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7	825.6	826.6	826.5
165°	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0	835.0	835.9	835.9
167.5°	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8	842.7	843.7	843.5
170°	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7	846.6	847.7	847.5
172.5°	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7	849.6	850.6	850.4
175°	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9	852.8	853.8	853.6
177.5°	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2	853.0	853.8	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1214.6	1215.3	1214.3	1215.0	1214.3	1215.3	1214.6	1218.5	1219.2	1219.9	1219.2
5°	1131.7	1126.4	1125.6	1124.2	1125.6	1126.4	1131.7	1133.9	1135.7	1139.2	1145.3
7.5°	1032.8	1031.9	1029.8	1026.7	1029.8	1031.9	1032.8	1040.3	1046.3	1053.1	1065.7
10°	969.1	966.9	966.5	963.4	966.5	966.9	969.1	978.8	985.8	995.5	1012.6
12.5°	894.6	880.4	878.9	871.2	878.9	880.4	894.6	907.1	926.0	935.3	953.6
15°	761.6	759.1	750.2	744.5	750.2	759.1	761.6	772.2	779.2	804.7	834.1
17.5°	685.7	677.1	674.3	673.1	674.3	677.1	685.7	690.8	700.9	714.3	732.0
20°	636.8	629.0	627.6	626.7	627.6	629.0	636.8	643.0	650.9	665.4	683.9
22.5°	603.0	594.8	591.4	588.8	591.4	594.8	603.0	607.9	615.0	626.4	638.9
25°	545.4	542.3	540.6	539.7	540.6	542.3	545.4	549.8	556.8	572.2	585.4
27.5°	500.3	493.5	492.2	490.0	492.2	493.5	500.3	508.2	515.5	522.4	534.2
30°	474.7	472.4	469.4	466.7	469.4	472.4	474.7	478.6	483.5	495.3	506.8
32.5°	444.4	442.6	439.9	438.6	439.9	442.6	444.4	449.8	459.9	467.2	475.4
35°	411.0	404.8	402.2	398.2	402.2	404.8	411.0	415.3	419.3	425.4	440.4
37.5°	375.5	372.3	368.6	369.9	368.6	372.3	375.5	377.4	385.7	394.3	400.7
40°	348.1	345.9	345.0	344.6	345.0	345.9	348.1	353.8	363.9	367.8	377.5
42.5°	326.3	320.2	318.0	317.9	318.0	320.2	326.3	332.7	339.0	345.3	355.4
45°	293.2	287.4	283.4	284.0	283.4	287.4	293.2	295.3	300.6	313.4	319.1
47.5°	259.2	259.1	256.6	257.4	256.6	259.1	259.2	263.0	269.8	277.6	286.7
50°	243.1	240.4	238.7	239.1	238.7	240.4	243.1	246.2	250.0	254.0	268.1
52.5°	227.6	225.3	223.9	225.8	223.9	225.3	227.6	229.3	232.1	236.1	245.6
55°	202.2	199.5	199.1	198.6	199.1	199.5	202.2	204.4	207.8	210.9	215.3
57.5°	173.7	172.0	169.4	168.2	169.4	172.0	173.7	177.0	181.2	185.3	189.9
60°	153.3	149.9	145.5	145.0	145.5	149.9	153.3	159.1	160.8	167.0	172.3
62.5°	134.7	134.1	133.2	133.1	133.2	134.1	134.7	136.6	139.1	148.0	154.4
65°	118.2	117.8	118.2	118.6	118.2	117.8	118.2	119.1	119.5	120.5	123.0
67.5°	103.1	102.2	101.4	101.8	101.4	102.2	103.1	103.2	104.4	105.0	106.8
70°	91.4	91.0	90.6	90.6	90.6	91.0	91.4	92.3	93.2	94.0	96.3
72.5°	80.2	80.1	79.6	79.3	79.6	80.1	80.2	81.7	82.3	83.2	84.6
75°	64.1	63.3	63.3	63.3	63.3	63.3	64.1	64.6	65.0	66.4	67.2
77.5°	48.9	48.5	48.0	47.6	48.0	48.5	48.9	49.0	49.7	49.9	50.9
80°	38.7	38.2	37.8	37.8	37.8	38.2	38.7	39.1	39.1	40.5	40.0
82.5°	29.5	29.1	29.0	28.7	29.0	29.1	29.5	29.6	29.6	30.6	30.5
85°	15.8	16.3	15.8	16.7	15.8	16.3	15.8	15.4	15.8	16.7	16.7
87.5°	7.7	7.4	7.8	7.6	7.8	7.4	7.7	7.7	7.9	7.8	7.7
90°	15.8	16.1	16.4	16.6	16.4	16.1	15.8	15.5	15.1	14.4	13.7
92.5°	16.1	16.3	16.4	16.6	16.4	16.3	16.1	16.0	15.7	15.3	15.0
95°	26.9	26.8	26.6	26.5	26.6	26.8	26.9	27.0	26.8	26.1	25.4
97.5°	34.9	35.0	35.2	35.4	35.2	35.0	34.9	34.7	34.4	33.8	33.2
100°	40.5	40.7	41.0	41.2	41.0	40.7	40.5	40.2	39.5	38.4	37.3
102.5°	43.0	43.5	43.8	44.3	43.8	43.5	43.0	42.7	41.8	40.4	38.9
105°	45.2	45.7	46.2	46.8	46.2	45.7	45.2	44.6	43.6	42.1	40.6
107.5°	46.5	47.1	47.6	48.1	47.6	47.1	46.5	46.0	46.5	48.0	49.5
110°	47.0	47.5	48.1	48.6	48.1	47.5	47.0	46.5	53.0	66.7	80.4



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	47.9	48.3	48.7	49.2	48.7	48.3	47.9	47.4	72.2	122.1	172.0
115°	80.1	70.2	60.4	50.5	60.4	70.2	80.1	89.9	126.6	189.9	253.3
117.5°	303.3	271.0	238.6	206.2	238.6	271.0	303.3	335.7	359.6	374.9	390.3
120°	431.1	412.7	394.2	375.7	394.2	412.7	431.1	449.6	458.1	456.4	454.8
122.5°	479.6	476.0	472.4	468.8	472.4	476.0	479.6	483.2	484.5	483.5	482.5
125°	525.4	525.8	526.2	526.6	526.2	525.8	525.4	525.0	524.3	523.3	522.4
127.5°	562.8	562.9	563.0	563.1	563.0	562.9	562.8	562.7	562.0	560.6	559.2
130°	586.2	586.0	585.8	585.7	585.8	586.0	586.2	586.3	585.6	584.1	582.6
132.5°	608.3	608.2	608.0	607.9	608.0	608.2	608.3	608.5	607.9	606.6	605.3
135°	640.8	640.5	640.2	639.9	640.2	640.5	640.8	641.0	640.5	639.1	637.7
137.5°	670.5	670.0	669.6	669.1	669.6	670.0	670.5	671.0	670.5	669.2	667.9
140°	689.4	688.7	688.0	687.3	688.0	688.7	689.4	690.1	689.8	688.5	687.3
142.5°	707.1	706.5	705.8	705.1	705.8	706.5	707.1	707.8	707.6	706.5	705.3
145°	731.9	731.2	730.6	729.9	730.6	731.2	731.9	732.5	732.5	731.5	730.6
147.5°	753.4	752.8	752.3	751.7	752.3	752.8	753.4	754.0	753.9	753.2	752.4
150°	767.0	766.3	765.6	764.9	765.6	766.3	767.0	767.7	767.6	766.8	765.9
152.5°	779.0	778.1	777.2	776.3	777.2	778.1	779.0	779.9	780.0	779.1	778.3
155°	795.3	794.3	793.2	792.0	793.2	794.3	795.3	796.4	796.6	795.7	795.0
157.5°	809.7	808.6	807.5	806.5	807.5	808.6	809.7	810.7	810.8	809.9	808.9
160°	817.7	816.7	815.8	814.9	815.8	816.7	817.7	818.6	818.7	817.9	817.1
162.5°	825.3	824.1	822.9	821.7	822.9	824.1	825.3	826.5	826.6	825.6	824.7
165°	835.0	834.0	833.0	832.1	833.0	834.0	835.0	835.9	835.9	835.0	834.0
167.5°	842.3	841.1	839.8	838.6	839.8	841.1	842.3	843.5	843.7	842.7	841.8
170°	846.3	845.0	843.8	842.6	843.8	845.0	846.3	847.5	847.7	846.6	845.7
172.5°	849.2	848.0	846.7	845.5	846.7	848.0	849.2	850.4	850.6	849.6	848.7
175°	852.2	850.8	849.5	848.1	849.5	850.8	852.2	853.6	853.8	852.8	851.9
177.5°	852.6	851.7	850.7	849.7	850.7	851.7	852.6	853.7	853.8	853.0	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331687-935
 CATALOG NUMBER: SA2XXRDIP-C675D725U935-4F0-1E-UDD-A

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°	7.8	7.7	7.8	7.7	7.4	7.9	8.0	8.1	8.4	9.2	10.3
90°	13.0	12.3	11.2	10.2	9.0	7.9	6.6	5.2	3.6	2.2	0.6
92.5°	14.6	14.3	13.8	13.2	12.7	12.1	11.9	12.1	12.1	12.3	12.4
95°	24.7	24.0	23.1	22.1	21.2	20.1	22.0	26.5	31.0	35.6	40.0
97.5°	32.7	32.1	30.0	27.7	25.5	23.2	28.5	41.2	54.0	66.7	79.5
100°	36.2	35.1	32.8	30.5	28.2	25.8	34.0	52.8	71.5	90.2	109.0
102.5°	37.5	36.1	55.5	75.0	94.5	113.9	125.6	129.7	133.6	137.6	141.5
105°	39.1	37.5	74.9	112.3	149.6	187.0	203.6	199.6	195.4	191.3	187.3
107.5°	51.1	52.6	97.4	142.2	187.0	231.9	252.6	249.3	246.0	242.6	239.4
110°	94.1	107.8	147.3	186.9	226.4	266.0	284.3	281.5	278.6	275.7	272.9



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.0	271.8	281.6	291.4	301.2	310.9	314.5	312.0	309.4	306.9	304.4
115°	316.7	380.0	376.6	373.2	369.7	366.4	363.4	361.1	358.8	356.5	354.1
117.5°	405.6	420.9	418.5	416.2	413.9	411.5	409.0	406.4	403.8	401.2	398.6
120°	453.1	451.4	449.0	446.5	444.1	441.6	439.4	437.3	435.2	433.2	431.1
122.5°	481.5	480.5	477.9	475.2	472.5	469.8	467.4	465.2	463.0	460.9	458.7
125°	521.4	520.5	517.8	515.2	512.6	510.1	507.8	506.1	504.3	502.5	500.8
127.5°	557.8	556.4	554.5	552.5	550.6	548.6	546.6	544.7	542.8	540.8	538.8
130°	581.1	579.5	578.1	576.5	575.1	573.5	571.7	569.5	567.3	565.2	562.9
132.5°	604.0	602.7	601.2	599.7	598.2	596.7	595.0	593.1	591.3	589.4	587.5
135°	636.4	635.0	633.8	632.5	631.3	630.1	628.4	626.2	624.0	621.8	619.6
137.5°	666.5	665.2	663.7	662.4	661.0	659.6	658.1	656.6	655.0	653.5	652.0
140°	686.1	684.9	683.4	681.9	680.4	678.9	677.5	676.5	675.4	674.2	673.2
142.5°	704.2	703.1	701.4	699.6	697.9	696.2	694.8	693.9	692.9	691.9	691.0
145°	729.6	728.6	726.3	723.9	721.6	719.3	718.2	718.3	718.5	718.6	718.8
147.5°	751.7	751.1	748.7	746.4	744.2	741.8	741.0	741.5	742.0	742.5	743.0
150°	765.2	764.3	762.2	759.9	757.8	755.6	754.9	756.0	756.9	757.9	758.8
152.5°	777.5	776.6	774.6	772.5	770.4	768.4	767.8	768.9	770.0	771.0	772.1
155°	794.1	793.2	791.6	790.0	788.3	786.7	786.5	787.7	788.9	790.2	791.4
157.5°	808.0	807.1	805.9	804.8	803.7	802.5	802.5	803.5	804.5	805.6	806.6
160°	816.3	815.5	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5
162.5°	823.8	822.9	822.2	821.4	820.7	820.0	820.0	820.9	821.7	822.5	823.4
165°	833.0	832.1	831.6	831.3	830.9	830.4	830.6	831.5	832.3	833.1	834.0
167.5°	840.8	839.8	839.5	839.0	838.7	838.3	838.5	839.4	840.2	841.0	841.8
170°	844.7	843.8	843.5	843.3	843.0	842.7	843.0	843.8	844.6	845.4	846.3
172.5°	847.7	846.7	846.4	846.2	845.9	845.7	845.9	846.7	847.6	848.3	849.2
175°	850.9	850.0	849.6	849.4	849.1	848.9	849.2	850.2	851.1	852.0	853.0
177.5°	851.4	850.7	850.6	850.5	850.3	850.2	850.6	851.4	852.1	852.9	853.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



TEST NUMBER: P331687-935

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1272.3	1273.3	1280.4	1283.5	1289.9	1292.3	1295.1	1294.4	1294.4	1295.8	1305.7
5°	1275.0	1283.8	1296.9	1309.7	1322.0	1332.6	1339.6	1346.6	1349.3	1362.0	1373.5
7.5°	1270.4	1286.6	1308.4	1327.8	1351.1	1369.3	1384.4	1398.1	1407.4	1425.9	1444.9
10°	1264.5	1287.3	1311.9	1337.0	1369.1	1393.2	1417.8	1436.8	1442.9	1470.6	1486.4
12.5°	1252.5	1283.1	1314.4	1346.8	1378.2	1411.5	1438.6	1457.5	1479.1	1504.0	1533.2
15°	1234.6	1269.7	1310.6	1352.4	1397.1	1437.6	1466.6	1499.6	1523.3	1550.6	1576.1
17.5°	1208.8	1254.0	1306.1	1354.4	1406.2	1449.7	1489.5	1521.2	1537.9	1553.4	1557.2
20°	1188.4	1237.2	1298.3	1355.4	1407.3	1457.4	1496.9	1523.3	1527.7	1528.1	1504.9
22.5°	1166.2	1221.3	1285.3	1343.8	1405.8	1461.6	1492.4	1503.7	1486.2	1456.4	1411.4
25°	1125.6	1189.3	1263.6	1330.3	1398.1	1450.8	1461.4	1441.6	1380.4	1316.3	1235.0
27.5°	1081.4	1153.1	1232.7	1307.0	1379.1	1411.8	1389.0	1317.7	1207.6	1112.0	996.1
30°	1049.1	1129.5	1207.7	1290.8	1357.6	1371.7	1319.4	1214.4	1086.0	941.8	826.3
32.5°	1012.2	1096.5	1182.4	1268.3	1324.2	1310.5	1224.1	1094.8	944.3	802.6	693.4
35°	959.4	1046.5	1139.2	1225.3	1260.9	1201.6	1072.4	904.0	750.2	617.9	542.8
37.5°	898.5	993.2	1089.7	1168.8	1166.2	1067.4	891.4	717.6	588.3	510.1	456.6
40°	855.2	951.1	1055.2	1122.1	1093.5	964.7	774.0	610.0	515.6	453.1	414.0
42.5°	813.8	909.9	1013.4	1066.5	1016.8	858.5	668.5	540.0	462.1	413.4	381.7
45°	743.2	844.7	940.6	970.0	881.2	706.7	540.6	447.4	395.5	359.6	337.5
47.5°	674.2	774.0	861.5	862.0	741.9	573.1	456.0	387.2	342.9	315.0	299.0
50°	632.0	726.9	800.3	788.9	652.6	509.8	407.9	348.5	311.6	290.1	273.4
52.5°	584.5	676.7	740.2	707.7	577.0	448.7	364.6	314.8	284.2	265.4	250.6
55°	515.6	597.3	642.1	592.9	470.7	373.2	308.1	269.0	246.2	230.3	217.6
57.5°	447.7	515.2	543.4	486.1	387.7	309.4	260.6	231.3	208.6	197.3	190.6
60°	405.2	462.8	482.6	419.3	337.1	270.7	230.7	203.5	186.8	179.3	172.7
62.5°	363.3	410.4	418.6	360.6	293.9	236.9	202.6	179.6	168.5	161.4	155.2
65°	301.5	335.4	331.4	284.8	232.5	188.1	163.1	149.0	140.6	130.5	119.5
67.5°	248.2	268.9	256.4	221.5	177.5	146.2	129.8	119.2	108.8	99.3	96.7
70°	214.5	226.4	213.2	181.1	145.5	122.6	109.4	96.7	90.6	88.3	84.4
72.5°	182.1	186.2	172.0	144.5	118.4	101.5	88.7	81.5	78.3	76.4	73.9
75°	136.7	133.6	121.3	99.8	82.2	70.8	66.8	64.1	62.0	60.2	58.9
77.5°	96.0	91.5	80.5	66.5	57.3	51.7	49.4	48.0	46.9	46.1	44.8
80°	72.1	69.0	58.0	47.4	43.5	40.9	39.5	37.8	37.8	36.9	35.6
82.5°	52.8	49.3	39.7	34.8	32.6	31.0	30.0	29.0	28.7	28.8	27.9
85°	27.7	22.4	19.8	18.9	17.6	16.7	17.1	16.3	16.3	16.3	15.8
87.5°	8.9	7.4	7.3	7.3	7.9	8.1	8.0	8.2	8.8	8.6	9.0
90°	2.2	3.6	5.2	6.6	7.9	9.0	10.2	11.2	12.3	13.0	13.7
92.5°	12.3	12.1	12.1	11.9	12.1	12.7	13.2	13.8	14.3	14.6	15.0
95°	35.6	31.0	26.5	22.0	20.1	21.2	22.1	23.1	24.0	24.7	25.4
97.5°	66.7	54.0	41.2	28.5	23.2	25.5	27.7	30.0	32.1	32.7	33.2
100°	90.2	71.5	52.8	34.0	25.8	28.2	30.5	32.8	35.1	36.2	37.3
102.5°	137.6	133.6	129.7	125.6	113.9	94.5	75.0	55.5	36.1	37.5	38.9
105°	191.3	195.4	199.6	203.6	187.0	149.6	112.3	74.9	37.5	39.1	40.6
107.5°	242.6	246.0	249.3	252.6	231.9	187.0	142.2	97.4	52.6	51.1	49.5
110°	275.7	278.6	281.5	284.3	266.0	226.4	186.9	147.3	107.8	94.1	80.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	306.9	309.4	312.0	314.5	310.9	301.2	291.4	281.6	271.8	222.0	172.0
115°	356.5	358.8	361.1	363.4	366.4	369.7	373.2	376.6	380.0	316.7	253.3
117.5°	401.2	403.8	406.4	409.0	411.5	413.9	416.2	418.5	420.9	405.6	390.3
120°	433.2	435.2	437.3	439.4	441.6	444.1	446.5	449.0	451.4	453.1	454.8
122.5°	460.9	463.0	465.2	467.4	469.8	472.5	475.2	477.9	480.5	481.5	482.5
125°	502.5	504.3	506.1	507.8	510.1	512.6	515.2	517.8	520.5	521.4	522.4
127.5°	540.8	542.8	544.7	546.6	548.6	550.6	552.5	554.5	556.4	557.8	559.2
130°	565.2	567.3	569.5	571.7	573.5	575.1	576.5	578.1	579.5	581.1	582.6
132.5°	589.4	591.3	593.1	595.0	596.7	598.2	599.7	601.2	602.7	604.0	605.3
135°	621.8	624.0	626.2	628.4	630.1	631.3	632.5	633.8	635.0	636.4	637.7
137.5°	653.5	655.0	656.6	658.1	659.6	661.0	662.4	663.7	665.2	666.5	667.9
140°	674.2	675.4	676.5	677.5	678.9	680.4	681.9	683.4	684.9	686.1	687.3
142.5°	691.9	692.9	693.9	694.8	696.2	697.9	699.6	701.4	703.1	704.2	705.3
145°	718.6	718.5	718.3	718.2	719.3	721.6	723.9	726.3	728.6	729.6	730.6
147.5°	742.5	742.0	741.5	741.0	741.8	744.2	746.4	748.7	751.1	751.7	752.4
150°	757.9	756.9	756.0	754.9	755.6	757.8	759.9	762.2	764.3	765.2	765.9
152.5°	771.0	770.0	768.9	767.8	768.4	770.4	772.5	774.6	776.6	777.5	778.3
155°	790.2	788.9	787.7	786.5	786.7	788.3	790.0	791.6	793.2	794.1	795.0
157.5°	805.6	804.5	803.5	802.5	802.5	803.7	804.8	805.9	807.1	808.0	808.9
160°	814.6	813.8	813.0	812.2	812.2	813.0	813.8	814.6	815.5	816.3	817.1
162.5°	822.5	821.7	820.9	820.0	820.0	820.7	821.4	822.2	822.9	823.8	824.7
165°	833.1	832.3	831.5	830.6	830.4	830.9	831.3	831.6	832.1	833.0	834.0
167.5°	841.0	840.2	839.4	838.5	838.3	838.7	839.0	839.5	839.8	840.8	841.8
170°	845.4	844.6	843.8	843.0	842.7	843.0	843.3	843.5	843.8	844.7	845.7
172.5°	848.3	847.6	846.7	845.9	845.7	845.9	846.2	846.4	846.7	847.7	848.7
175°	852.0	851.1	850.2	849.2	848.9	849.1	849.4	849.6	850.0	850.9	851.9
177.5°	852.9	852.1	851.4	850.6	850.2	850.3	850.5	850.6	850.7	851.4	852.2
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2	851.2



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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°	8.9	9.0	9.1	9.1	9.2	9.2	9.0
90°	14.4	15.1	15.5	15.8	16.1	16.4	16.6
92.5°	15.3	15.7	16.0	16.1	16.3	16.4	16.6
95°	26.1	26.8	27.0	26.9	26.8	26.6	26.5
97.5°	33.8	34.4	34.7	34.9	35.0	35.2	35.4
100°	38.4	39.5	40.2	40.5	40.7	41.0	41.2
102.5°	40.4	41.8	42.7	43.0	43.5	43.8	44.3
105°	42.1	43.6	44.6	45.2	45.7	46.2	46.8
107.5°	48.0	46.5	46.0	46.5	47.1	47.6	48.1
110°	66.7	53.0	46.5	47.0	47.5	48.1	48.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	122.1	72.2	47.4	47.9	48.3	48.7	49.2
115°	189.9	126.6	89.9	80.1	70.2	60.4	50.5
117.5°	374.9	359.6	335.7	303.3	271.0	238.6	206.2
120°	456.4	458.1	449.6	431.1	412.7	394.2	375.7
122.5°	483.5	484.5	483.2	479.6	476.0	472.4	468.8
125°	523.3	524.3	525.0	525.4	525.8	526.2	526.6
127.5°	560.6	562.0	562.7	562.8	562.9	563.0	563.1
130°	584.1	585.6	586.3	586.2	586.0	585.8	585.7
132.5°	606.6	607.9	608.5	608.3	608.2	608.0	607.9
135°	639.1	640.5	641.0	640.8	640.5	640.2	639.9
137.5°	669.2	670.5	671.0	670.5	670.0	669.6	669.1
140°	688.5	689.8	690.1	689.4	688.7	688.0	687.3
142.5°	706.5	707.6	707.8	707.1	706.5	705.8	705.1
145°	731.5	732.5	732.5	731.9	731.2	730.6	729.9
147.5°	753.2	753.9	754.0	753.4	752.8	752.3	751.7
150°	766.8	767.6	767.7	767.0	766.3	765.6	764.9
152.5°	779.1	780.0	779.9	779.0	778.1	777.2	776.3
155°	795.7	796.6	796.4	795.3	794.3	793.2	792.0
157.5°	809.9	810.8	810.7	809.7	808.6	807.5	806.5
160°	817.9	818.7	818.6	817.7	816.7	815.8	814.9
162.5°	825.6	826.6	826.5	825.3	824.1	822.9	821.7
165°	835.0	835.9	835.9	835.0	834.0	833.0	832.1
167.5°	842.7	843.7	843.5	842.3	841.1	839.8	838.6
170°	846.6	847.7	847.5	846.3	845.0	843.8	842.6
172.5°	849.6	850.6	850.4	849.2	848.0	846.7	845.5
175°	852.8	853.8	853.6	852.2	850.8	849.5	848.1
177.5°	853.0	853.8	853.7	852.6	851.7	850.7	849.7
180°	851.2	851.2	851.2	851.2	851.2	851.2	851.2

(END OF REPORT)