

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

Luminaire Tested: **SA2XXRDIP-C675D725U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331687
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-C675D725U835-4F0-1E-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

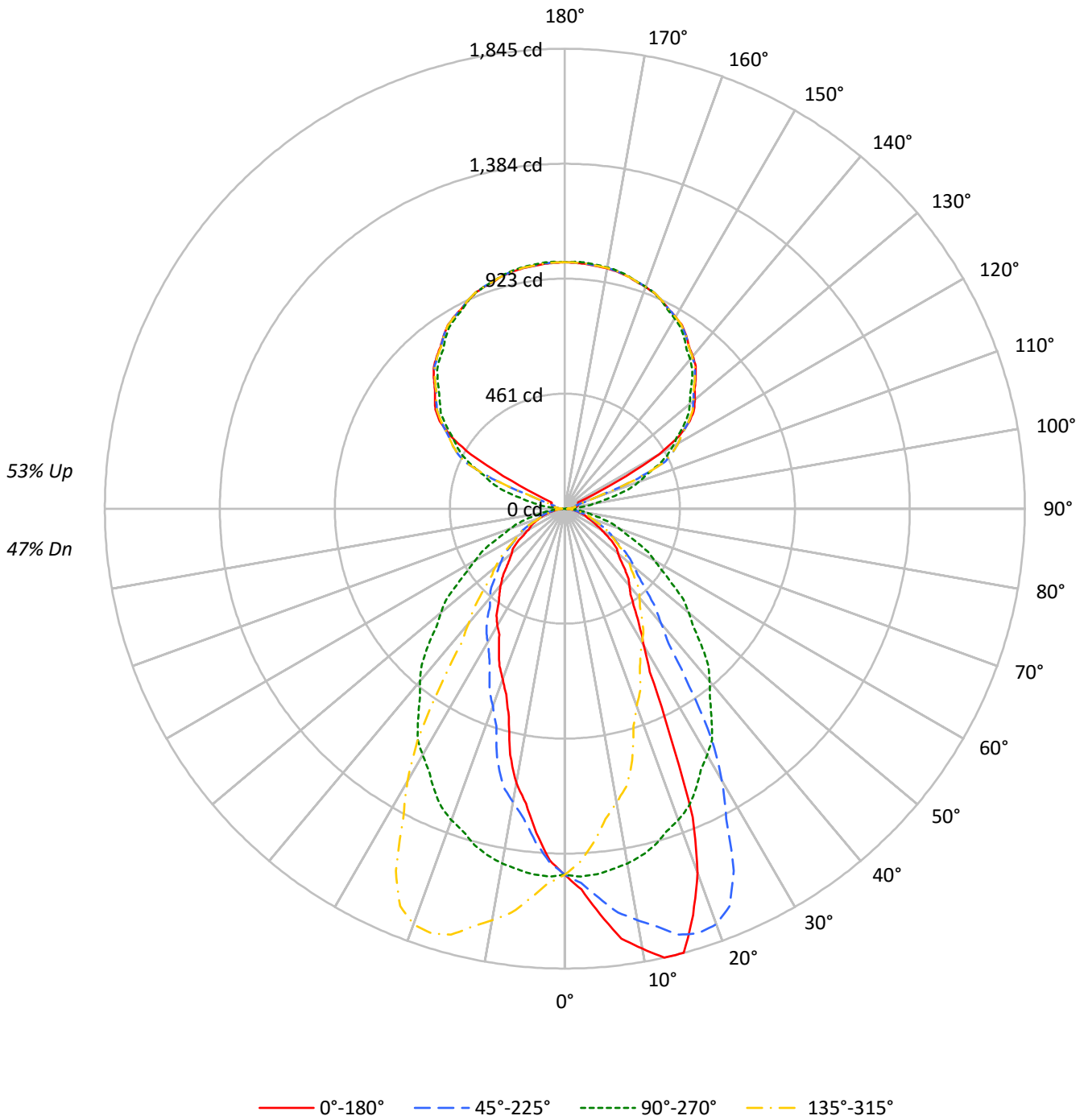
Lumens per Lamp: N/A
Luminaire Lumens: 5438.4 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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



TEST NUMBER: P331687
CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

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	98	98	98	98	82	82	82	67	67	67	53	53	53	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°	23720	23720	23720	23720
5°	26491	23869	21162	23869
10°	29391	23700	18344	23700
15°	30837	23353	14454	23353
20°	26734	22838	12507	22838
25°	17533	22133	11166	22133
30°	11801	21280	10107	21280
35°	9558	20203	9116	20203
40°	8500	19032	8435	19032
45°	7693	17657	7531	17657
50°	7001	16297	6975	16297
55°	6581	14787	6494	14787
60°	5506	13401	5438	13401
65°	4642	12168	5265	12168
70°	4291	10867	4966	10867
75°	4011	9457	4585	9457
80°	3701	7782	4082	7782
85°	3409	6150	3594	6150



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.6
10°-20°	388.0	7.1
20°-30°	500.0	9.2
30°-40°	475.2	8.7
40°-50°	407.1	7.5
50°-60°	310.0	5.7
60°-70°	196.0	3.6
70°-80°	97.9	1.8
80°-90°	27.9	0.5
90°-100°	33.0	0.6
100°-110°	120.9	2.2
110°-120°	323.3	5.9
120°-130°	533.6	9.8
130°-140°	567.5	10.4
140°-150°	527.5	9.7
150°-160°	424.1	7.8
160°-170°	273.3	5.0
170°-180°	94.1	1.7
0°-30°	1027.3	18.9
0°-40°	1502.5	27.6
0°-60°	2219.6	40.8
0°-90°	2541.3	46.7
90°-120°	477.2	8.8
90°-150°	2105.7	38.7
90°-180°	2897.0	53.3
0°-180°	5438.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1634	1473	1306	1473	1634	161
15°	1845	1397	865	1397	1845	498
25°	984	1242	627	1242	984	467
35°	485	1025	462	1025	485	310
45°	337	773	330	773	337	261
55°	234	525	231	525	234	205
65°	122	318	138	318	122	124
75°	64	152	74	152	64	68
85°	18	33	19	33	18	20
90°	19	1	19	1	19	9
95°	31	46	31	46	31	29
105°	54	218	54	218	54	57
115°	59	411	59	411	59	147
125°	612	582	612	582	612	529
135°	743	720	743	720	743	573
145°	848	835	848	835	848	530
155°	920	919	920	919	920	424
165°	966	969	966	969	966	273
175°	985	991	985	991	985	94
180°	989	989	989	989	989	



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1528.7	1529.9	1531.2	1528.3	1528.3	1525.8	1520.5	1516.5	1505.0	1503.4	1503.4
5°	1634.5	1633.4	1635.5	1628.9	1619.7	1617.6	1607.9	1595.2	1581.9	1567.1	1564.0
7.5°	1739.6	1738.1	1734.0	1732.9	1725.8	1710.4	1694.8	1678.2	1656.1	1634.6	1623.8
10°	1792.7	1809.6	1799.3	1781.5	1785.1	1761.1	1748.3	1726.4	1708.0	1675.8	1668.7
12.5°	1845.0	1851.6	1848.4	1838.2	1833.6	1817.0	1799.8	1780.7	1746.8	1717.9	1692.8
15°	1844.8	1854.5	1857.0	1854.0	1856.5	1855.5	1846.3	1830.5	1800.9	1769.2	1741.7
17.5°	1708.6	1715.3	1732.1	1743.4	1757.7	1787.9	1802.8	1808.6	1804.2	1786.2	1766.8
20°	1555.9	1544.6	1591.6	1615.6	1636.0	1687.0	1730.9	1747.8	1774.8	1774.3	1769.2
22.5°	1339.4	1342.1	1386.6	1415.1	1474.7	1525.7	1575.8	1639.2	1691.5	1726.1	1746.4
25°	984.2	1003.6	1048.0	1086.8	1153.1	1248.1	1334.3	1434.4	1528.8	1603.3	1674.3
27.5°	739.1	740.6	775.8	811.6	851.0	928.8	1037.4	1156.9	1291.5	1402.6	1530.4
30°	633.0	629.9	644.7	666.7	700.3	760.6	842.2	959.7	1093.9	1261.3	1410.4
32.5°	557.8	558.0	569.2	585.4	613.4	654.0	709.9	805.3	932.2	1096.8	1271.5
35°	484.9	484.4	492.6	504.3	516.1	542.1	580.4	630.4	717.7	871.3	1050.0
37.5°	432.7	434.9	438.9	446.2	459.2	473.7	496.7	530.3	592.4	683.3	833.5
40°	403.3	404.3	409.9	416.0	423.7	434.9	453.8	480.8	526.3	598.8	708.5
42.5°	376.3	377.3	381.3	387.0	393.0	404.3	419.9	443.3	480.1	536.7	627.2
45°	336.9	336.9	340.5	343.0	349.7	359.9	372.6	392.0	417.6	459.4	519.6
47.5°	299.9	300.0	302.4	306.8	311.0	318.9	331.5	347.3	365.9	398.3	449.7
50°	278.7	279.2	280.7	284.3	286.9	294.0	303.7	317.5	336.9	361.9	404.8
52.5°	261.6	261.2	263.2	264.7	266.5	271.6	278.8	291.0	308.3	330.1	365.6
55°	233.8	231.7	234.8	237.4	238.9	240.9	245.0	252.7	267.5	285.9	312.4
57.5°	199.1	198.3	200.4	202.8	207.6	213.1	216.5	221.4	229.1	242.3	268.6
60°	170.5	170.5	175.1	176.6	182.2	189.4	196.5	200.6	208.3	216.9	236.3
62.5°	145.2	145.6	147.7	149.3	152.4	161.2	171.2	180.2	187.4	195.7	208.6
65°	121.5	122.5	122.5	123.5	125.6	127.6	131.7	138.8	151.6	163.3	173.0
67.5°	103.1	103.4	103.7	104.7	105.3	107.5	109.1	112.3	115.3	126.4	138.4
70°	90.9	92.4	91.9	92.9	93.4	94.4	96.5	98.0	102.6	105.2	112.3
72.5°	79.4	80.5	80.4	81.1	82.4	82.6	84.2	85.8	88.7	90.9	94.7
75°	64.3	63.8	64.3	65.3	65.8	66.4	66.4	68.4	69.9	72.0	74.5
77.5°	49.6	50.1	50.0	50.1	50.2	51.1	51.0	52.0	53.5	54.5	55.7
80°	39.8	40.3	39.8	40.3	40.8	41.3	40.8	41.3	42.9	43.9	43.9
82.5°	30.8	30.9	31.2	31.3	31.4	31.5	32.3	32.4	33.5	33.3	33.7
85°	18.4	17.9	17.9	17.9	18.4	18.9	18.4	18.4	18.9	18.9	18.9
87.5°	10.4	10.7	10.7	10.6	10.6	10.4	10.3	10.5	10.0	10.2	9.5
90°	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9	15.1	14.3	13.0
92.5°	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4	17.0	16.6	16.0
95°	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5	28.7	27.9	26.8
97.5°	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6	38.0	37.3	34.8
100°	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3	42.0	40.8	38.1
102.5°	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2	43.6	41.9	64.5
105°	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1	45.4	43.6	87.0
107.5°	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5	59.3	61.1	113.1
110°	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4	109.3	125.2	171.1



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8	257.8	315.7	327.1
115°	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2	367.8	441.4	437.4
117.5°	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3	471.1	488.9	486.1
120°	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2	526.2	524.3	521.5
122.5°	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4	559.2	558.1	555.0
125°	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7	605.6	604.5	601.4
127.5°	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5	647.9	646.2	644.0
130°	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6	674.9	673.1	671.4
132.5°	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0	701.5	700.0	698.3
135°	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7	739.1	737.5	736.1
137.5°	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7	774.1	772.6	770.9
140°	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3	796.9	795.5	793.7
142.5°	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2	817.9	816.6	814.6
145°	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5	847.4	846.2	843.5
147.5°	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9	873.1	872.3	869.6
150°	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6	888.7	887.7	885.2
152.5°	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9	903.0	902.0	899.6
155°	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3	922.3	921.3	919.4
157.5°	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5	938.5	937.4	936.0
160°	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0	948.1	947.1	946.1
162.5°	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8	956.8	955.7	954.9
165°	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6	967.5	966.4	965.9
167.5°	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7	976.5	975.4	975.0
170°	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2	981.1	980.0	979.7
172.5°	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7	984.6	983.4	983.1
175°	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4	988.3	987.2	986.8
177.5°	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8	988.9	988.0	987.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1504.2	1500.9	1498.1	1490.7	1487.1	1478.9	1477.7	1477.3	1466.6	1456.4	1453.6
5°	1555.9	1547.7	1535.4	1521.1	1506.3	1491.0	1480.8	1472.7	1452.2	1432.8	1421.6
7.5°	1607.9	1590.4	1569.2	1542.2	1519.6	1494.3	1475.5	1458.7	1429.7	1401.9	1383.2
10°	1646.7	1618.1	1590.1	1552.8	1523.7	1495.1	1468.6	1445.6	1412.9	1376.2	1350.1
12.5°	1670.8	1639.4	1600.7	1564.2	1526.6	1490.2	1454.7	1425.2	1386.8	1348.8	1317.9
15°	1703.4	1669.7	1622.7	1570.7	1522.2	1474.7	1433.9	1397.1	1347.1	1301.7	1263.9
17.5°	1730.0	1683.7	1633.2	1573.0	1516.9	1456.5	1403.9	1357.0	1301.3	1246.5	1202.0
20°	1738.6	1692.7	1634.5	1574.2	1507.9	1436.9	1380.3	1329.2	1269.5	1209.8	1158.7
22.5°	1733.3	1697.6	1632.8	1560.8	1492.8	1418.5	1354.5	1295.3	1229.1	1168.1	1108.9
25°	1697.3	1685.0	1623.8	1545.1	1467.6	1381.3	1307.3	1242.4	1166.9	1101.6	1037.2
27.5°	1613.2	1639.7	1601.7	1518.0	1431.7	1339.2	1256.0	1182.2	1103.8	1030.3	966.2
30°	1532.4	1593.1	1576.8	1499.2	1402.7	1311.9	1218.5	1141.4	1057.7	982.1	918.8
32.5°	1421.7	1522.1	1538.0	1473.1	1373.3	1273.5	1175.6	1098.9	1011.5	931.9	870.2
35°	1245.5	1395.6	1464.5	1423.1	1323.1	1215.4	1114.3	1025.0	937.2	858.6	797.3
37.5°	1035.3	1239.7	1354.5	1357.5	1265.6	1153.6	1043.6	954.9	865.0	787.8	721.6
40°	898.9	1120.4	1270.0	1303.2	1225.6	1104.6	993.3	903.0	815.2	739.6	663.6
42.5°	776.4	997.1	1181.0	1238.7	1177.0	1056.8	945.2	850.7	765.4	693.9	616.2
45°	627.9	820.8	1023.5	1126.6	1092.4	981.1	863.2	773.3	693.2	631.4	556.9
47.5°	529.6	665.6	861.7	1001.2	1000.6	899.0	783.0	697.0	622.7	564.8	504.4
50°	473.7	592.1	758.0	916.3	929.5	844.3	734.0	648.8	579.4	518.6	470.1
52.5°	423.5	521.1	670.2	821.9	859.7	785.9	678.9	600.2	532.8	477.0	435.4
55°	357.8	433.4	546.7	688.6	745.8	693.7	598.8	525.3	470.6	423.7	387.9
57.5°	302.7	359.4	450.3	564.6	631.1	598.4	520.0	460.3	413.6	371.1	342.9
60°	268.0	314.4	391.5	487.0	560.5	537.5	470.6	415.0	375.2	338.4	311.9
62.5°	235.3	275.2	341.3	418.8	486.2	476.7	422.0	375.4	340.5	307.0	284.5
65°	189.4	218.5	270.0	330.8	384.9	389.5	350.2	318.5	287.4	260.8	240.9
67.5°	150.8	169.8	206.1	257.3	297.8	312.3	288.3	264.1	239.4	218.9	201.6
70°	127.1	142.4	169.0	210.3	247.6	262.9	249.1	230.2	208.8	191.9	177.1
72.5°	103.0	117.9	137.5	167.8	199.8	216.3	211.5	198.0	180.6	166.6	152.6
75°	77.6	82.2	95.5	115.9	140.9	155.2	158.8	151.6	137.8	127.1	118.9
77.5°	57.4	60.1	66.5	77.2	93.5	106.3	111.5	110.7	101.2	94.9	87.3
80°	45.9	47.5	50.5	55.1	67.4	80.1	83.7	83.7	77.1	74.5	66.9
82.5°	34.9	36.0	37.9	40.4	46.1	57.3	61.3	62.1	57.9	54.5	48.5
85°	19.9	19.4	20.4	21.9	23.0	26.0	32.2	33.2	32.2	28.1	26.5
87.5°	9.3	9.4	9.2	8.5	8.5	8.6	10.3	12.0	10.7	9.8	9.4
90°	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4	14.3	14.1	14.0
95°	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3	77.5	62.7	47.9
100°	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6	104.8	83.1	61.3
102.5°	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4	159.8	155.2	150.6
105°	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5	222.2	227.0	231.8
107.5°	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0	281.8	285.7	289.5
110°	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9	320.2	323.6	326.9



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5	356.5	359.4	362.4
115°	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3	414.0	416.7	419.4
117.5°	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0	466.0	469.0	472.0
120°	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7	503.1	505.5	507.9
122.5°	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8	535.3	537.8	540.3
125°	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6	583.6	585.7	587.8
127.5°	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8	628.1	630.4	632.6
130°	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8	656.4	658.9	661.4
132.5°	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4	684.6	686.8	688.9
135°	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6	722.2	724.7	727.3
137.5°	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3	759.0	760.8	762.6
140°	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9	783.1	784.4	785.7
142.5°	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5	803.6	804.8	805.9
145°	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8	834.6	834.5	834.3
147.5°	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0	862.4	861.8	861.2
150°	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3	880.2	879.1	878.0
152.5°	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7	895.5	894.3	893.0
155°	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2	917.8	916.3	914.9
157.5°	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8	935.6	934.4	933.2
160°	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	946.1	945.2	944.2
162.5°	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3	955.3	954.4	953.4
165°	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6	967.6	966.7	965.7
167.5°	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7	976.8	975.8	974.9
170°	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9	981.9	981.0	980.0
172.5°	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3	985.3	984.4	983.4
175°	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7	989.6	988.5	987.4
177.5°	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5	990.6	989.7	988.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1448.3	1445.4	1440.1	1431.9	1427.0	1418.4	1412.7	1416.0	1416.8	1416.0	1415.2
5°	1409.4	1398.6	1383.8	1369.5	1356.3	1342.0	1333.8	1330.2	1323.1	1319.0	1317.0
7.5°	1362.3	1343.8	1322.9	1298.0	1276.8	1254.7	1243.4	1237.7	1223.1	1215.2	1208.2
10°	1327.2	1298.1	1277.2	1244.5	1224.6	1195.5	1175.6	1176.1	1156.2	1144.9	1136.8
12.5°	1288.4	1256.4	1221.6	1192.2	1164.5	1141.2	1117.2	1107.5	1086.3	1075.5	1053.5
15°	1224.1	1186.8	1150.1	1110.2	1082.2	1045.9	1011.2	968.8	934.6	905.0	896.9
17.5°	1153.8	1107.7	1070.8	1024.1	976.0	915.0	874.8	850.2	829.6	814.0	802.3
20°	1105.6	1058.7	1019.4	948.9	884.1	842.8	813.2	794.3	772.8	756.0	746.8
22.5°	1055.0	1006.0	952.4	873.8	823.3	790.1	763.7	742.0	727.5	714.3	706.0
25°	983.1	929.5	841.2	787.1	746.3	711.6	693.2	679.9	664.6	646.7	638.6
27.5°	907.2	821.9	758.5	718.3	679.3	656.7	640.2	620.4	606.7	598.7	590.2
30°	850.4	765.2	715.7	671.8	644.2	619.2	599.8	588.6	575.3	561.5	555.9
32.5°	787.1	719.0	671.6	635.0	607.0	585.7	570.4	552.2	542.6	534.1	522.4
35°	708.5	657.0	613.6	584.0	557.4	540.1	522.2	511.5	494.1	487.0	482.4
37.5°	641.9	597.2	564.9	533.6	512.6	493.4	482.5	465.4	457.9	448.0	438.3
40°	604.4	560.5	529.3	503.8	480.3	466.0	452.3	438.5	427.2	422.7	410.9
42.5°	566.0	530.3	499.1	471.1	455.4	440.3	422.9	412.8	401.1	393.7	386.4
45°	513.0	481.4	454.8	431.8	414.5	398.7	387.4	370.6	364.0	349.1	343.0
47.5°	466.5	437.0	411.7	389.9	372.9	362.6	346.2	333.0	322.4	313.3	305.5
50°	433.4	408.9	384.4	365.0	349.7	334.9	318.0	311.4	295.0	290.4	285.9
52.5°	403.2	379.9	357.4	338.4	323.1	308.7	293.9	285.2	274.2	269.6	266.3
55°	360.9	338.4	317.0	300.1	284.8	270.0	260.8	250.1	245.0	241.4	237.4
57.5°	318.4	298.2	281.8	264.7	249.3	237.6	226.9	220.5	215.2	210.5	205.6
60°	291.5	272.1	257.3	241.4	225.6	215.9	207.8	200.1	194.0	186.8	184.8
62.5°	262.9	245.9	232.4	216.9	203.2	194.3	186.5	179.3	171.9	161.5	158.6
65°	223.6	210.3	196.0	183.3	171.0	162.3	151.1	142.9	139.9	138.8	138.3
67.5°	188.1	175.5	163.2	150.2	139.0	131.0	125.3	124.0	121.9	121.3	119.9
70°	164.4	152.6	140.4	128.1	117.4	115.9	113.8	111.8	109.2	108.2	107.2
72.5°	143.1	131.0	118.7	108.9	104.3	102.4	100.4	98.3	96.6	95.6	94.9
75°	109.7	98.5	90.4	86.8	84.2	82.7	79.6	78.1	77.1	75.5	75.0
77.5°	79.0	72.7	68.9	66.7	64.0	62.4	60.6	59.1	58.0	57.7	56.9
80°	60.2	57.2	54.6	51.6	50.5	48.5	48.0	46.5	47.0	45.4	45.4
82.5°	46.8	42.9	40.7	39.3	38.3	36.7	36.1	35.4	35.5	34.4	34.4
85°	24.0	23.0	21.9	20.9	20.9	19.4	19.9	19.4	19.4	18.4	17.9
87.5°	9.3	9.2	8.6	8.9	9.1	9.0	9.1	8.9	9.1	9.2	8.9
90°	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5	18.0
92.5°	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4	17.8	18.2	18.6
95°	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1	31.4
97.5°	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6	39.2	39.9	40.3
100°	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3	44.6	45.9	46.7
102.5°	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2	46.9	48.5	49.6
105°	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1	48.9	50.6	51.8
107.5°	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5	55.7	54.0	53.4
110°	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4	77.5	61.6	54.0



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8	141.8	83.8	55.0
115°	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2	220.6	147.0	104.4
117.5°	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3	435.4	417.6	389.9
120°	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2	530.1	532.0	522.2
122.5°	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4	561.5	562.7	561.2
125°	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7	607.8	608.9	609.7
127.5°	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5	651.1	652.7	653.6
130°	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6	678.4	680.1	680.9
132.5°	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0	704.5	706.0	706.7
135°	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7	742.3	743.9	744.5
137.5°	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7	777.2	778.8	779.3
140°	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3	799.7	801.2	801.5
142.5°	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2	820.5	821.8	822.1
145°	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5	849.6	850.7	850.8
147.5°	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9	874.8	875.6	875.7
150°	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6	890.6	891.5	891.6
152.5°	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9	904.9	905.9	905.8
155°	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3	924.2	925.2	925.0
157.5°	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5	940.6	941.7	941.6
160°	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0	950.0	950.9	950.8
162.5°	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8	958.9	960.0	959.9
165°	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6	969.8	970.9	970.9
167.5°	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7	978.8	979.9	979.7
170°	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2	983.3	984.5	984.3
172.5°	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7	986.8	987.9	987.7
175°	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4	990.5	991.6	991.4
177.5°	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8	990.7	991.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1410.7	1411.5	1410.3	1411.1	1410.3	1411.5	1410.7	1415.2	1416.0	1416.8	1416.0
5°	1314.4	1308.3	1307.3	1305.7	1307.3	1308.3	1314.4	1317.0	1319.0	1323.1	1330.2
7.5°	1199.5	1198.5	1196.0	1192.4	1196.0	1198.5	1199.5	1208.2	1215.2	1223.1	1237.7
10°	1125.5	1123.0	1122.5	1118.9	1122.5	1123.0	1125.5	1136.8	1144.9	1156.2	1176.1
12.5°	1039.0	1022.5	1020.8	1011.9	1020.8	1022.5	1039.0	1053.5	1075.5	1086.3	1107.5
15°	884.6	881.6	871.3	864.7	871.3	881.6	884.6	896.9	905.0	934.6	968.8
17.5°	796.4	786.4	783.2	781.8	783.2	786.4	796.4	802.3	814.0	829.6	850.2
20°	739.6	730.5	728.9	727.9	728.9	730.5	739.6	746.8	756.0	772.8	794.3
22.5°	700.4	690.8	686.9	683.8	686.9	690.8	700.4	706.0	714.3	727.5	742.0
25°	633.5	629.9	627.9	626.8	627.9	629.9	633.5	638.6	646.7	664.6	679.9
27.5°	581.1	573.2	571.7	569.1	571.7	573.2	581.1	590.2	598.7	606.7	620.4
30°	551.3	548.7	545.2	542.1	545.2	548.7	551.3	555.9	561.5	575.3	588.6
32.5°	516.2	514.0	510.9	509.4	510.9	514.0	516.2	522.4	534.1	542.6	552.2
35°	477.3	470.1	467.1	462.5	467.1	470.1	477.3	482.4	487.0	494.1	511.5
37.5°	436.1	432.4	428.1	429.6	428.1	432.4	436.1	438.3	448.0	457.9	465.4
40°	404.3	401.7	400.7	400.2	400.7	401.7	404.3	410.9	422.7	427.2	438.5
42.5°	379.0	371.9	369.3	369.2	369.3	371.9	379.0	386.4	393.7	401.1	412.8
45°	340.5	333.8	329.2	329.8	329.2	333.8	340.5	343.0	349.1	364.0	370.6
47.5°	301.1	300.9	298.0	298.9	298.0	300.9	301.1	305.5	313.3	322.4	333.0
50°	282.3	279.2	277.2	277.7	277.2	279.2	282.3	285.9	290.4	295.0	311.4
52.5°	264.3	261.7	260.0	262.2	260.0	261.7	264.3	266.3	269.6	274.2	285.2
55°	234.8	231.7	231.2	230.7	231.2	231.7	234.8	237.4	241.4	245.0	250.1
57.5°	201.8	199.8	196.7	195.4	196.7	199.8	201.8	205.6	210.5	215.2	220.5
60°	178.1	174.1	169.0	168.4	169.0	174.1	178.1	184.8	186.8	194.0	200.1
62.5°	156.5	155.7	154.7	154.6	154.7	155.7	156.5	158.6	161.5	171.9	179.3
65°	137.3	136.8	137.3	137.8	137.3	136.8	137.3	138.3	138.8	139.9	142.9
67.5°	119.7	118.7	117.8	118.2	117.8	118.7	119.7	119.9	121.3	121.9	124.0
70°	106.2	105.7	105.2	105.2	105.2	105.7	106.2	107.2	108.2	109.2	111.8
72.5°	93.1	93.0	92.5	92.1	92.5	93.0	93.1	94.9	95.6	96.6	98.3
75°	74.5	73.5	73.5	73.5	73.5	73.5	74.5	75.0	75.5	77.1	78.1
77.5°	56.8	56.3	55.7	55.3	55.7	56.3	56.8	56.9	57.7	58.0	59.1
80°	44.9	44.4	43.9	43.9	43.9	44.4	44.9	45.4	45.4	47.0	46.5
82.5°	34.3	33.8	33.7	33.3	33.7	33.8	34.3	34.4	34.4	35.5	35.4
85°	18.4	18.9	18.4	19.4	18.4	18.9	18.4	17.9	18.4	19.4	19.4
87.5°	9.0	8.6	9.1	8.8	9.1	8.6	9.0	8.9	9.2	9.1	8.9
90°	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9
92.5°	18.7	18.9	19.1	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4
95°	31.2	31.1	30.9	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5
97.5°	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6
100°	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3
102.5°	50.0	50.5	50.9	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2
105°	52.5	53.1	53.7	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1
107.5°	54.0	54.7	55.3	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5
110°	54.6	55.2	55.9	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	55.6	56.1	56.6	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8
115°	93.0	81.5	70.1	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2
117.5°	352.3	314.7	277.1	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3
120°	500.7	479.3	457.8	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2
122.5°	557.0	552.8	548.7	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4
125°	610.2	610.7	611.1	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7
127.5°	653.7	653.8	653.9	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5
130°	680.8	680.6	680.4	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6
132.5°	706.5	706.4	706.2	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0
135°	744.2	743.9	743.5	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7
137.5°	778.8	778.2	777.7	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7
140°	800.7	799.9	799.1	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3
142.5°	821.3	820.5	819.7	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2
145°	850.1	849.3	848.5	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5
147.5°	875.0	874.3	873.7	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9
150°	890.8	890.0	889.2	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6
152.5°	904.8	903.7	902.7	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9
155°	923.7	922.5	921.2	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3
157.5°	940.4	939.1	937.9	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5
160°	949.7	948.6	947.5	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0
162.5°	958.5	957.1	955.8	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8
165°	969.8	968.6	967.5	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6
167.5°	978.3	976.9	975.4	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7
170°	982.9	981.4	980.0	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2
172.5°	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7
175°	989.8	988.2	986.6	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4
177.5°	990.3	989.2	988.0	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1412.7	1418.4	1427.0	1431.9	1440.1	1445.4	1448.3	1453.6	1456.4	1466.6	1477.3
5°	1333.8	1342.0	1356.3	1369.5	1383.8	1398.6	1409.4	1421.6	1432.8	1452.2	1472.7
7.5°	1243.4	1254.7	1276.8	1298.0	1322.9	1343.8	1362.3	1383.2	1401.9	1429.7	1458.7
10°	1175.6	1195.5	1224.6	1244.5	1277.2	1298.1	1327.2	1350.1	1376.2	1412.9	1445.6
12.5°	1117.2	1141.2	1164.5	1192.2	1221.6	1256.4	1288.4	1317.9	1348.8	1386.8	1425.2
15°	1011.2	1045.9	1082.2	1110.2	1150.1	1186.8	1224.1	1263.9	1301.7	1347.1	1397.1
17.5°	874.8	915.0	976.0	1024.1	1070.8	1107.7	1153.8	1202.0	1246.5	1301.3	1357.0
20°	813.2	842.8	884.1	948.9	1019.4	1058.7	1105.6	1158.7	1209.8	1269.5	1329.2
22.5°	763.7	790.1	823.3	873.8	952.4	1006.0	1055.0	1108.9	1168.1	1229.1	1295.3
25°	693.2	711.6	746.3	787.1	841.2	929.5	983.1	1037.2	1101.6	1166.9	1242.4
27.5°	640.2	656.7	679.3	718.3	758.5	821.9	907.2	966.2	1030.3	1103.8	1182.2
30°	599.8	619.2	644.2	671.8	715.7	765.2	850.4	918.8	982.1	1057.7	1141.4
32.5°	570.4	585.7	607.0	635.0	671.6	719.0	787.1	870.2	931.9	1011.5	1098.9
35°	522.2	540.1	557.4	584.0	613.6	657.0	708.5	797.3	858.6	937.2	1025.0
37.5°	482.5	493.4	512.6	533.6	564.9	597.2	641.9	721.6	787.8	865.0	954.9
40°	452.3	466.0	480.3	503.8	529.3	560.5	604.4	663.6	739.6	815.2	903.0
42.5°	422.9	440.3	455.4	471.1	499.1	530.3	566.0	616.2	693.9	765.4	850.7
45°	387.4	398.7	414.5	431.8	454.8	481.4	513.0	556.9	631.4	693.2	773.3
47.5°	346.2	362.6	372.9	389.9	411.7	437.0	466.5	504.4	564.8	622.7	697.0
50°	318.0	334.9	349.7	365.0	384.4	408.9	433.4	470.1	518.6	579.4	648.8
52.5°	293.9	308.7	323.1	338.4	357.4	379.9	403.2	435.4	477.0	532.8	600.2
55°	260.8	270.0	284.8	300.1	317.0	338.4	360.9	387.9	423.7	470.6	525.3
57.5°	226.9	237.6	249.3	264.7	281.8	298.2	318.4	342.9	371.1	413.6	460.3
60°	207.8	215.9	225.6	241.4	257.3	272.1	291.5	311.9	338.4	375.2	415.0
62.5°	186.5	194.3	203.2	216.9	232.4	245.9	262.9	284.5	307.0	340.5	375.4
65°	151.1	162.3	171.0	183.3	196.0	210.3	223.6	240.9	260.8	287.4	318.5
67.5°	125.3	131.0	139.0	150.2	163.2	175.5	188.1	201.6	218.9	239.4	264.1
70°	113.8	115.9	117.4	128.1	140.4	152.6	164.4	177.1	191.9	208.8	230.2
72.5°	100.4	102.4	104.3	108.9	118.7	131.0	143.1	152.6	166.6	180.6	198.0
75°	79.6	82.7	84.2	86.8	90.4	98.5	109.7	118.9	127.1	137.8	151.6
77.5°	60.6	62.4	64.0	66.7	68.9	72.7	79.0	87.3	94.9	101.2	110.7
80°	48.0	48.5	50.5	51.6	54.6	57.2	60.2	66.9	74.5	77.1	83.7
82.5°	36.1	36.7	38.3	39.3	40.7	42.9	46.8	48.5	54.5	57.9	62.1
85°	19.9	19.4	20.9	20.9	21.9	23.0	24.0	26.5	28.1	32.2	33.2
87.5°	9.1	9.0	9.1	8.9	8.6	9.2	9.3	9.4	9.8	10.7	12.0
90°	15.1	14.3	13.0	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7
92.5°	17.0	16.6	16.0	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4
95°	28.7	27.9	26.8	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5
97.5°	38.0	37.3	34.8	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3
100°	42.0	40.8	38.1	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6
102.5°	43.6	41.9	64.5	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4
105°	45.4	43.6	87.0	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5
107.5°	59.3	61.1	113.1	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0
110°	109.3	125.2	171.1	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.8	315.7	327.1	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5
115°	367.8	441.4	437.4	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3
117.5°	471.1	488.9	486.1	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0
120°	526.2	524.3	521.5	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7
122.5°	559.2	558.1	555.0	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8
125°	605.6	604.5	601.4	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6
127.5°	647.9	646.2	644.0	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8
130°	674.9	673.1	671.4	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8
132.5°	701.5	700.0	698.3	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4
135°	739.1	737.5	736.1	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6
137.5°	774.1	772.6	770.9	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3
140°	796.9	795.5	793.7	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9
142.5°	817.9	816.6	814.6	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5
145°	847.4	846.2	843.5	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8
147.5°	873.1	872.3	869.6	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0
150°	888.7	887.7	885.2	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3
152.5°	903.0	902.0	899.6	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7
155°	922.3	921.3	919.4	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2
157.5°	938.5	937.4	936.0	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8
160°	948.1	947.1	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1
162.5°	956.8	955.7	954.9	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3
165°	967.5	966.4	965.9	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6
167.5°	976.5	975.4	975.0	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7
170°	981.1	980.0	979.7	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9
172.5°	984.6	983.4	983.1	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3
175°	988.3	987.2	986.8	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7
177.5°	988.9	988.0	987.9	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1477.7	1478.9	1487.1	1490.7	1498.1	1500.9	1504.2	1503.4	1503.4	1505.0	1516.5
5°	1480.8	1491.0	1506.3	1521.1	1535.4	1547.7	1555.9	1564.0	1567.1	1581.9	1595.2
7.5°	1475.5	1494.3	1519.6	1542.2	1569.2	1590.4	1607.9	1623.8	1634.6	1656.1	1678.2
10°	1468.6	1495.1	1523.7	1552.8	1590.1	1618.1	1646.7	1668.7	1675.8	1708.0	1726.4
12.5°	1454.7	1490.2	1526.6	1564.2	1600.7	1639.4	1670.8	1692.8	1717.9	1746.8	1780.7
15°	1433.9	1474.7	1522.2	1570.7	1622.7	1669.7	1703.4	1741.7	1769.2	1800.9	1830.5
17.5°	1403.9	1456.5	1516.9	1573.0	1633.2	1683.7	1730.0	1766.8	1786.2	1804.2	1808.6
20°	1380.3	1436.9	1507.9	1574.2	1634.5	1692.7	1738.6	1769.2	1774.3	1774.8	1747.8
22.5°	1354.5	1418.5	1492.8	1560.8	1632.8	1697.6	1733.3	1746.4	1726.1	1691.5	1639.2
25°	1307.3	1381.3	1467.6	1545.1	1623.8	1685.0	1697.3	1674.3	1603.3	1528.8	1434.4
27.5°	1256.0	1339.2	1431.7	1518.0	1601.7	1639.7	1613.2	1530.4	1402.6	1291.5	1156.9
30°	1218.5	1311.9	1402.7	1499.2	1576.8	1593.1	1532.4	1410.4	1261.3	1093.9	959.7
32.5°	1175.6	1273.5	1373.3	1473.1	1538.0	1522.1	1421.7	1271.5	1096.8	932.2	805.3
35°	1114.3	1215.4	1323.1	1423.1	1464.5	1395.6	1245.5	1050.0	871.3	717.7	630.4
37.5°	1043.6	1153.6	1265.6	1357.5	1354.5	1239.7	1035.3	833.5	683.3	592.4	530.3
40°	993.3	1104.6	1225.6	1303.2	1270.0	1120.4	898.9	708.5	598.8	526.3	480.8
42.5°	945.2	1056.8	1177.0	1238.7	1181.0	997.1	776.4	627.2	536.7	480.1	443.3
45°	863.2	981.1	1092.4	1126.6	1023.5	820.8	627.9	519.6	459.4	417.6	392.0
47.5°	783.0	899.0	1000.6	1001.2	861.7	665.6	529.6	449.7	398.3	365.9	347.3
50°	734.0	844.3	929.5	916.3	758.0	592.1	473.7	404.8	361.9	336.9	317.5
52.5°	678.9	785.9	859.7	821.9	670.2	521.1	423.5	365.6	330.1	308.3	291.0
55°	598.8	693.7	745.8	688.6	546.7	433.4	357.8	312.4	285.9	267.5	252.7
57.5°	520.0	598.4	631.1	564.6	450.3	359.4	302.7	268.6	242.3	229.1	221.4
60°	470.6	537.5	560.5	487.0	391.5	314.4	268.0	236.3	216.9	208.3	200.6
62.5°	422.0	476.7	486.2	418.8	341.3	275.2	235.3	208.6	195.7	187.4	180.2
65°	350.2	389.5	384.9	330.8	270.0	218.5	189.4	173.0	163.3	151.6	138.8
67.5°	288.3	312.3	297.8	257.3	206.1	169.8	150.8	138.4	126.4	115.3	112.3
70°	249.1	262.9	247.6	210.3	169.0	142.4	127.1	112.3	105.2	102.6	98.0
72.5°	211.5	216.3	199.8	167.8	137.5	117.9	103.0	94.7	90.9	88.7	85.8
75°	158.8	155.2	140.9	115.9	95.5	82.2	77.6	74.5	72.0	69.9	68.4
77.5°	111.5	106.3	93.5	77.2	66.5	60.1	57.4	55.7	54.5	53.5	52.0
80°	83.7	80.1	67.4	55.1	50.5	47.5	45.9	43.9	43.9	42.9	41.3
82.5°	61.3	57.3	46.1	40.4	37.9	36.0	34.9	33.7	33.3	33.5	32.4
85°	32.2	26.0	23.0	21.9	20.4	19.4	19.9	18.9	18.9	18.9	18.4
87.5°	10.3	8.6	8.5	8.5	9.2	9.4	9.3	9.5	10.2	10.0	10.5
90°	2.5	4.2	6.0	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9
92.5°	14.3	14.1	14.0	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4
95°	41.3	36.0	30.8	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5
97.5°	77.5	62.7	47.9	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6
100°	104.8	83.1	61.3	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3
102.5°	159.8	155.2	150.6	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2
105°	222.2	227.0	231.8	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1
107.5°	281.8	285.7	289.5	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5
110°	320.2	323.6	326.9	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.5	359.4	362.4	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8
115°	414.0	416.7	419.4	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2
117.5°	466.0	469.0	472.0	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3
120°	503.1	505.5	507.9	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2
122.5°	535.3	537.8	540.3	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4
125°	583.6	585.7	587.8	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7
127.5°	628.1	630.4	632.6	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5
130°	656.4	658.9	661.4	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6
132.5°	684.6	686.8	688.9	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0
135°	722.2	724.7	727.3	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7
137.5°	759.0	760.8	762.6	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7
140°	783.1	784.4	785.7	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3
142.5°	803.6	804.8	805.9	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2
145°	834.6	834.5	834.3	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5
147.5°	862.4	861.8	861.2	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9
150°	880.2	879.1	878.0	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6
152.5°	895.5	894.3	893.0	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9
155°	917.8	916.3	914.9	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3
157.5°	935.6	934.4	933.2	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5
160°	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0
162.5°	955.3	954.4	953.4	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8
165°	967.6	966.7	965.7	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6
167.5°	976.8	975.8	974.9	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7
170°	981.9	981.0	980.0	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2
172.5°	985.3	984.4	983.4	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7
175°	989.6	988.5	987.4	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4
177.5°	990.6	989.7	988.8	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1	1469.1
2.5°	1520.5	1525.8	1528.3	1528.3	1531.2	1529.9	1528.7
5°	1607.9	1617.6	1619.7	1628.9	1635.5	1633.4	1634.5
7.5°	1694.8	1710.4	1725.8	1732.9	1734.0	1738.1	1739.6
10°	1748.3	1761.1	1785.1	1781.5	1799.3	1809.6	1792.7
12.5°	1799.8	1817.0	1833.6	1838.2	1848.4	1851.6	1845.0
15°	1846.3	1855.5	1856.5	1854.0	1857.0	1854.5	1844.8
17.5°	1802.8	1787.9	1757.7	1743.4	1732.1	1715.3	1708.6
20°	1730.9	1687.0	1636.0	1615.6	1591.6	1544.6	1555.9
22.5°	1575.8	1525.7	1474.7	1415.1	1386.6	1342.1	1339.4
25°	1334.3	1248.1	1153.1	1086.8	1048.0	1003.6	984.2
27.5°	1037.4	928.8	851.0	811.6	775.8	740.6	739.1
30°	842.2	760.6	700.3	666.7	644.7	629.9	633.0
32.5°	709.9	654.0	613.4	585.4	569.2	558.0	557.8
35°	580.4	542.1	516.1	504.3	492.6	484.4	484.9
37.5°	496.7	473.7	459.2	446.2	438.9	434.9	432.7
40°	453.8	434.9	423.7	416.0	409.9	404.3	403.3
42.5°	419.9	404.3	393.0	387.0	381.3	377.3	376.3
45°	372.6	359.9	349.7	343.0	340.5	336.9	336.9
47.5°	331.5	318.9	311.0	306.8	302.4	300.0	299.9
50°	303.7	294.0	286.9	284.3	280.7	279.2	278.7
52.5°	278.8	271.6	266.5	264.7	263.2	261.2	261.6
55°	245.0	240.9	238.9	237.4	234.8	231.7	233.8
57.5°	216.5	213.1	207.6	202.8	200.4	198.3	199.1
60°	196.5	189.4	182.2	176.6	175.1	170.5	170.5
62.5°	171.2	161.2	152.4	149.3	147.7	145.6	145.2
65°	131.7	127.6	125.6	123.5	122.5	122.5	121.5
67.5°	109.1	107.5	105.3	104.7	103.7	103.4	103.1
70°	96.5	94.4	93.4	92.9	91.9	92.4	90.9
72.5°	84.2	82.6	82.4	81.1	80.4	80.5	79.4
75°	66.4	66.4	65.8	65.3	64.3	63.8	64.3
77.5°	51.0	51.1	50.2	50.1	50.0	50.1	49.6
80°	40.8	41.3	40.8	40.3	39.8	40.3	39.8
82.5°	32.3	31.5	31.4	31.3	31.2	30.9	30.8
85°	18.4	18.9	18.4	17.9	17.9	17.9	18.4
87.5°	10.3	10.4	10.6	10.6	10.7	10.7	10.4
90°	16.7	17.5	18.0	18.4	18.7	19.0	19.3
92.5°	17.8	18.2	18.6	18.7	18.9	19.1	19.3
95°	30.3	31.1	31.4	31.2	31.1	30.9	30.8
97.5°	39.2	39.9	40.3	40.5	40.7	40.9	41.1
100°	44.6	45.9	46.7	47.0	47.3	47.6	47.9
102.5°	46.9	48.5	49.6	50.0	50.5	50.9	51.4
105°	48.9	50.6	51.8	52.5	53.1	53.7	54.4
107.5°	55.7	54.0	53.4	54.0	54.7	55.3	55.9
110°	77.5	61.6	54.0	54.6	55.2	55.9	56.5



TEST NUMBER: P331687

CATALOG NUMBER: SA2XXRDIP-C675D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	141.8	83.8	55.0	55.6	56.1	56.6	57.1
115°	220.6	147.0	104.4	93.0	81.5	70.1	58.7
117.5°	435.4	417.6	389.9	352.3	314.7	277.1	239.5
120°	530.1	532.0	522.2	500.7	479.3	457.8	436.4
122.5°	561.5	562.7	561.2	557.0	552.8	548.7	544.5
125°	607.8	608.9	609.7	610.2	610.7	611.1	611.6
127.5°	651.1	652.7	653.6	653.7	653.8	653.9	654.0
130°	678.4	680.1	680.9	680.8	680.6	680.4	680.3
132.5°	704.5	706.0	706.7	706.5	706.4	706.2	706.0
135°	742.3	743.9	744.5	744.2	743.9	743.5	743.2
137.5°	777.2	778.8	779.3	778.8	778.2	777.7	777.1
140°	799.7	801.2	801.5	800.7	799.9	799.1	798.3
142.5°	820.5	821.8	822.1	821.3	820.5	819.7	818.9
145°	849.6	850.7	850.8	850.1	849.3	848.5	847.7
147.5°	874.8	875.6	875.7	875.0	874.3	873.7	873.0
150°	890.6	891.5	891.6	890.8	890.0	889.2	888.4
152.5°	904.9	905.9	905.8	904.8	903.7	902.7	901.6
155°	924.2	925.2	925.0	923.7	922.5	921.2	919.9
157.5°	940.6	941.7	941.6	940.4	939.1	937.9	936.7
160°	950.0	950.9	950.8	949.7	948.6	947.5	946.4
162.5°	958.9	960.0	959.9	958.5	957.1	955.8	954.4
165°	969.8	970.9	970.9	969.8	968.6	967.5	966.4
167.5°	978.8	979.9	979.7	978.3	976.9	975.4	974.0
170°	983.3	984.5	984.3	982.9	981.4	980.0	978.6
172.5°	986.8	987.9	987.7	986.3	984.9	983.4	982.0
175°	990.5	991.6	991.4	989.8	988.2	986.6	985.0
177.5°	990.7	991.6	991.5	990.3	989.2	988.0	986.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6

(END OF REPORT)