

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: P331809

Luminaire Tested: **S122RDIW-S675D710U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331809
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S675D710U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5376.5 lumens
Efficiency: N/A
Efficacy: 119.5 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

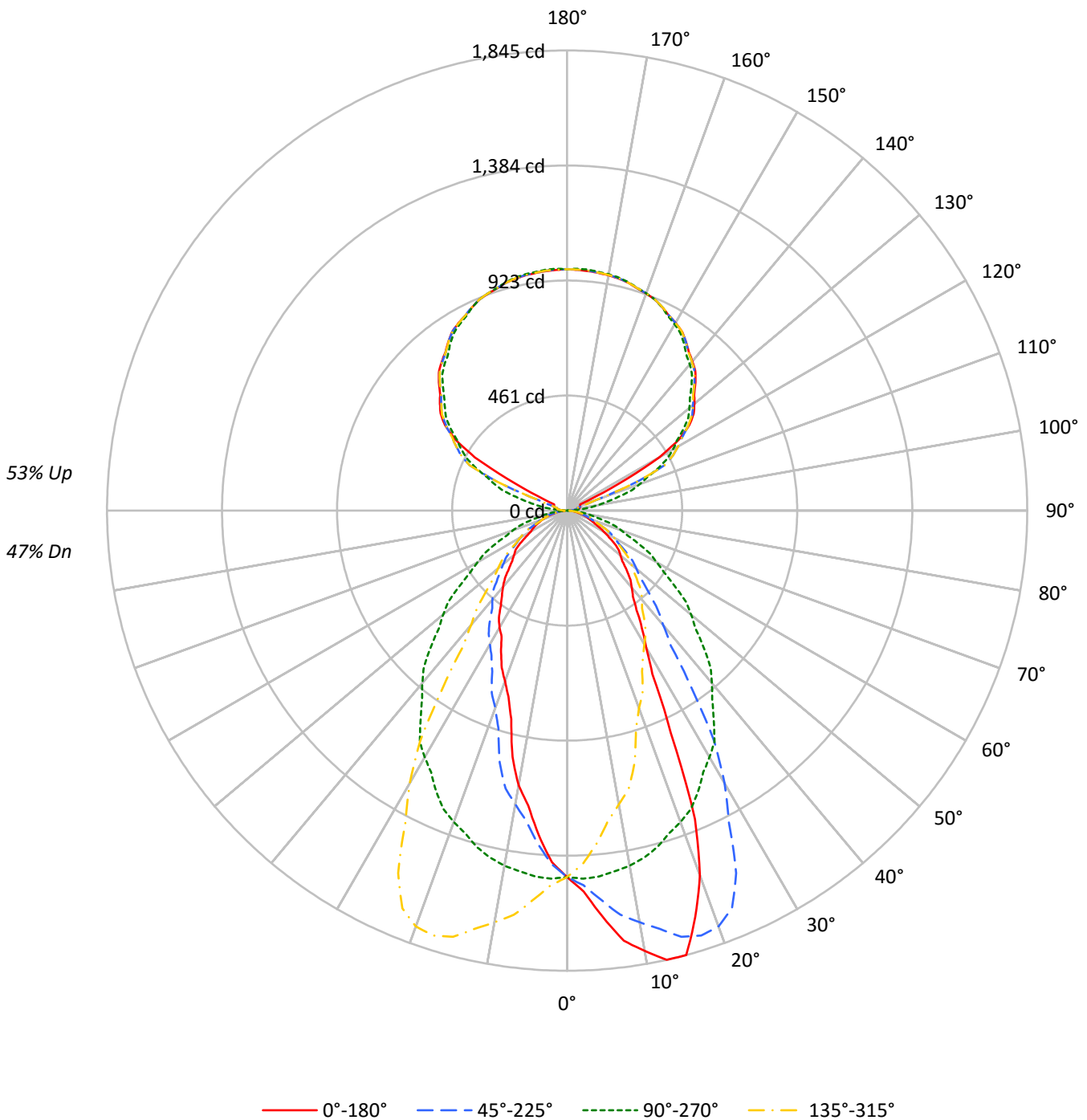
Input Watts (W): 45
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	48	48	47	41
2	90	83	77	72	82	77	72	67	65	61	58	54	51	49	44	42	40	36
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35	31
4	76	66	58	53	70	61	54	49	52	47	43	44	40	37	36	33	31	28
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28	25
6	65	53	46	40	59	50	43	38	43	37	33	36	32	29	30	27	25	22
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	23	20
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21	18
9	52	41	33	29	48	38	31	27	33	28	24	28	24	22	24	21	19	17
10	49	37	30	26	45	35	29	25	31	26	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: P331809

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.6
10°-20°	388.0	7.2
20°-30°	500.0	9.3
30°-40°	475.2	8.8
40°-50°	407.1	7.6
50°-60°	310.0	5.8
60°-70°	196.0	3.6
70°-80°	97.9	1.8
80°-90°	27.9	0.5
90°-100°	32.3	0.6
100°-110°	118.3	2.2
110°-120°	316.3	5.9
120°-130°	522.2	9.7
130°-140°	555.4	10.3
140°-150°	516.2	9.6
150°-160°	415.0	7.7
160°-170°	267.4	5.0
170°-180°	92.1	1.7
0°-30°	1027.3	19.1
0°-40°	1502.5	27.9
0°-60°	2219.6	41.3
0°-90°	2541.3	47.3
90°-120°	467.0	8.7
90°-150°	2060.7	38.3
90°-180°	2835.0	52.7
0°-180°	5376.5	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°	30	46	30	46	30	28
105°	53	213	53	213	53	55
115°	57	402	57	402	57	144
125°	598	569	598	569	598	518
135°	727	704	727	704	727	561
145°	830	817	830	817	830	519
155°	900	900	900	900	900	415
165°	946	948	946	948	946	267
175°	964	970	964	970	964	92
180°	968	968	968	968	968	



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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°	10.3	10.7	10.6	10.5	10.5	10.4	10.2	10.5	9.9	10.2	9.5
90°	18.9	18.6	18.3	18.0	17.7	17.1	16.3	15.6	14.8	14.0	12.8
92.5°	18.9	18.7	18.5	18.3	18.2	17.9	17.5	17.1	16.6	16.2	15.6
95°	30.1	30.3	30.4	30.6	30.7	30.4	29.6	28.9	28.1	27.3	26.2
97.5°	40.2	40.0	39.8	39.6	39.4	39.0	38.4	37.8	37.2	36.5	34.0
100°	46.9	46.6	46.3	46.0	45.7	44.9	43.6	42.4	41.1	39.9	37.3
102.5°	50.3	49.8	49.4	49.0	48.5	47.5	45.9	44.3	42.6	41.0	63.1
105°	53.2	52.6	52.0	51.3	50.7	49.5	47.8	46.1	44.4	42.7	85.2
107.5°	54.7	54.1	53.5	52.9	52.3	52.8	54.6	56.3	58.0	59.8	110.7
110°	55.3	54.7	54.1	53.4	52.8	60.3	75.8	91.4	107.0	122.5	167.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	55.9	55.4	54.9	54.4	53.9	82.0	138.8	195.5	252.3	309.0	320.1
115°	57.4	68.6	79.8	91.0	102.2	143.8	215.8	287.9	359.9	431.9	428.0
117.5°	234.4	271.2	308.0	344.8	381.6	408.7	426.1	443.6	461.0	478.4	475.7
120°	427.0	448.0	469.0	490.0	511.0	520.6	518.7	516.9	515.0	513.1	510.3
122.5°	532.9	537.0	541.0	545.1	549.2	550.7	549.5	548.4	547.3	546.2	543.1
125°	598.5	598.1	597.6	597.1	596.7	595.9	594.8	593.7	592.6	591.5	588.6
127.5°	640.0	639.9	639.8	639.7	639.6	638.8	637.2	635.6	634.0	632.4	630.2
130°	665.8	665.9	666.1	666.2	666.4	665.6	663.9	662.2	660.5	658.8	657.0
132.5°	691.0	691.1	691.3	691.4	691.6	690.9	689.5	688.0	686.5	685.1	683.4
135°	727.4	727.7	728.0	728.3	728.6	728.0	726.4	724.9	723.3	721.8	720.4
137.5°	760.5	761.1	761.6	762.1	762.7	762.2	760.6	759.1	757.6	756.1	754.5
140°	781.3	782.0	782.8	783.6	784.4	784.1	782.7	781.3	779.9	778.5	776.7
142.5°	801.4	802.2	803.0	803.8	804.5	804.3	803.0	801.7	800.5	799.2	797.2
145°	829.6	830.3	831.1	831.9	832.7	832.5	831.4	830.3	829.3	828.2	825.5
147.5°	854.3	855.0	855.7	856.3	857.0	856.9	856.1	855.3	854.5	853.6	851.0
150°	869.5	870.2	871.0	871.8	872.6	872.5	871.6	870.6	869.7	868.8	866.3
152.5°	882.3	883.4	884.4	885.4	886.5	886.5	885.6	884.6	883.7	882.8	880.4
155°	900.3	901.5	902.8	904.0	905.2	905.4	904.5	903.5	902.6	901.7	899.8
157.5°	916.6	917.9	919.1	920.3	921.5	921.6	920.5	919.5	918.4	917.3	916.0
160°	926.2	927.3	928.3	929.4	930.5	930.6	929.7	928.7	927.8	926.9	925.9
162.5°	934.0	935.3	936.7	938.0	939.4	939.5	938.4	937.4	936.3	935.3	934.5
165°	945.8	946.9	948.0	949.0	950.1	950.1	949.0	948.0	946.9	945.8	945.3
167.5°	953.2	954.6	956.0	957.4	958.8	958.9	957.9	956.8	955.7	954.6	954.2
170°	957.7	959.1	960.5	961.9	963.3	963.4	962.3	961.3	960.2	959.1	958.8
172.5°	961.0	962.4	963.8	965.2	966.6	966.8	965.7	964.6	963.5	962.4	962.1
175°	964.0	965.5	967.1	968.6	970.2	970.4	969.3	968.3	967.2	966.1	965.8
177.5°	965.8	966.9	968.0	969.2	970.3	970.4	969.5	968.7	967.8	966.9	966.8
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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°	9.2	9.4	9.2	8.5	8.5	8.6	10.3	12.0	10.7	9.8	9.3
90°	11.5	10.3	9.0	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.0	14.4	13.8	13.5	13.7	13.8	14.0	14.1	14.0	13.8	13.7
95°	25.1	24.0	22.9	25.0	30.1	35.2	40.4	45.5	40.4	35.2	30.1
97.5°	31.5	29.0	26.5	32.4	46.9	61.4	75.8	90.3	75.8	61.4	46.9
100°	34.6	32.0	29.3	38.7	60.0	81.3	102.6	123.9	102.6	81.3	60.0
102.5°	85.3	107.4	129.5	142.8	147.3	151.8	156.4	160.9	156.4	151.8	147.3
105°	127.6	170.1	212.6	231.5	226.8	222.2	217.5	212.8	217.5	222.2	226.8
107.5°	161.7	212.6	263.5	287.1	283.3	279.6	275.8	272.0	275.8	279.6	283.3
110°	212.4	257.4	302.3	323.2	319.9	316.7	313.4	310.1	313.4	316.7	319.9



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	331.2	342.3	353.4	357.5	354.6	351.8	348.9	346.0	348.9	351.8	354.6
115°	424.2	420.3	416.4	413.1	410.5	407.8	405.2	402.5	405.2	407.8	410.5
117.5°	473.1	470.4	467.7	464.9	461.9	459.0	456.0	453.1	456.0	459.0	461.9
120°	507.5	504.7	501.9	499.4	497.0	494.7	492.4	490.0	492.4	494.7	497.0
122.5°	540.1	537.0	534.0	531.2	528.8	526.3	523.9	521.4	523.9	526.3	528.8
125°	585.6	582.7	579.7	577.2	575.2	573.2	571.2	569.1	571.2	573.2	575.2
127.5°	628.0	625.8	623.6	621.4	619.1	616.9	614.6	612.4	614.6	616.9	619.1
130°	655.3	653.6	651.9	649.8	647.3	644.8	642.3	639.8	642.3	644.8	647.3
132.5°	681.6	679.9	678.2	676.3	674.2	672.1	670.0	667.9	670.0	672.1	674.2
135°	719.0	717.6	716.2	714.2	711.7	709.2	706.7	704.3	706.7	709.2	711.7
137.5°	752.9	751.3	749.7	748.0	746.3	744.6	742.8	741.1	742.8	744.6	746.3
140°	775.0	773.3	771.6	770.1	768.9	767.6	766.4	765.2	766.4	767.6	768.9
142.5°	795.3	793.3	791.3	789.8	788.7	787.6	786.4	785.3	786.4	787.6	788.7
145°	822.9	820.2	817.6	816.3	816.5	816.7	816.8	817.0	816.8	816.7	816.5
147.5°	848.4	845.8	843.2	842.2	842.8	843.4	844.0	844.5	844.0	843.4	842.8
150°	863.8	861.3	858.8	858.1	859.2	860.3	861.4	862.5	861.4	860.3	859.2
152.5°	878.0	875.7	873.3	872.7	873.9	875.2	876.4	877.6	876.4	875.2	873.9
155°	897.9	896.1	894.2	894.0	895.4	896.8	898.2	899.6	898.2	896.8	895.4
157.5°	914.7	913.4	912.1	912.1	913.2	914.4	915.6	916.8	915.6	914.4	913.2
160°	925.0	924.1	923.1	923.1	924.1	925.0	925.9	926.9	925.9	925.0	924.1
162.5°	933.7	932.8	932.0	932.1	933.0	934.0	934.9	935.8	934.9	934.0	933.0
165°	944.8	944.4	943.9	944.1	945.1	946.0	946.9	947.9	946.9	946.0	945.1
167.5°	953.7	953.3	952.9	953.1	954.0	955.0	955.9	956.8	955.9	955.0	954.0
170°	958.5	958.1	957.8	958.1	959.1	960.0	960.9	961.9	960.9	960.0	959.1
172.5°	961.8	961.5	961.2	961.5	962.4	963.4	964.3	965.2	964.3	963.4	962.4
175°	965.5	965.1	964.8	965.2	966.3	967.4	968.5	969.6	968.5	967.4	966.3
177.5°	966.7	966.5	966.4	966.8	967.7	968.5	969.4	970.3	969.4	968.5	967.7
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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	8.8	9.1	8.9	9.1	8.8	9.0	9.1	8.8
90°	7.5	9.0	10.3	11.5	12.8	14.0	14.8	15.6	16.3	17.1	17.7
92.5°	13.5	13.8	14.4	15.0	15.6	16.2	16.6	17.1	17.5	17.9	18.2
95°	25.0	22.9	24.0	25.1	26.2	27.3	28.1	28.9	29.6	30.4	30.7
97.5°	32.4	26.5	29.0	31.5	34.0	36.5	37.2	37.8	38.4	39.0	39.4
100°	38.7	29.3	32.0	34.6	37.3	39.9	41.1	42.4	43.6	44.9	45.7
102.5°	142.8	129.5	107.4	85.3	63.1	41.0	42.6	44.3	45.9	47.5	48.5
105°	231.5	212.6	170.1	127.6	85.2	42.7	44.4	46.1	47.8	49.5	50.7
107.5°	287.1	263.5	212.6	161.7	110.7	59.8	58.0	56.3	54.6	52.8	52.3
110°	323.2	302.3	257.4	212.4	167.5	122.5	107.0	91.4	75.8	60.3	52.8



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	357.5	353.4	342.3	331.2	320.1	309.0	252.3	195.5	138.8	82.0	53.9
115°	413.1	416.4	420.3	424.2	428.0	431.9	359.9	287.9	215.8	143.8	102.2
117.5°	464.9	467.7	470.4	473.1	475.7	478.4	461.0	443.6	426.1	408.7	381.6
120°	499.4	501.9	504.7	507.5	510.3	513.1	515.0	516.9	518.7	520.6	511.0
122.5°	531.2	534.0	537.0	540.1	543.1	546.2	547.3	548.4	549.5	550.7	549.2
125°	577.2	579.7	582.7	585.6	588.6	591.5	592.6	593.7	594.8	595.9	596.7
127.5°	621.4	623.6	625.8	628.0	630.2	632.4	634.0	635.6	637.2	638.8	639.6
130°	649.8	651.9	653.6	655.3	657.0	658.8	660.5	662.2	663.9	665.6	666.4
132.5°	676.3	678.2	679.9	681.6	683.4	685.1	686.5	688.0	689.5	690.9	691.6
135°	714.2	716.2	717.6	719.0	720.4	721.8	723.3	724.9	726.4	728.0	728.6
137.5°	748.0	749.7	751.3	752.9	754.5	756.1	757.6	759.1	760.6	762.2	762.7
140°	770.1	771.6	773.3	775.0	776.7	778.5	779.9	781.3	782.7	784.1	784.4
142.5°	789.8	791.3	793.3	795.3	797.2	799.2	800.5	801.7	803.0	804.3	804.5
145°	816.3	817.6	820.2	822.9	825.5	828.2	829.3	830.3	831.4	832.5	832.7
147.5°	842.2	843.2	845.8	848.4	851.0	853.6	854.5	855.3	856.1	856.9	857.0
150°	858.1	858.8	861.3	863.8	866.3	868.8	869.7	870.6	871.6	872.5	872.6
152.5°	872.7	873.3	875.7	878.0	880.4	882.8	883.7	884.6	885.6	886.5	886.5
155°	894.0	894.2	896.1	897.9	899.8	901.7	902.6	903.5	904.5	905.4	905.2
157.5°	912.1	912.1	913.4	914.7	916.0	917.3	918.4	919.5	920.5	921.6	921.5
160°	923.1	923.1	924.1	925.0	925.9	926.9	927.8	928.7	929.7	930.6	930.5
162.5°	932.1	932.0	932.8	933.7	934.5	935.3	936.3	937.4	938.4	939.5	939.4
165°	944.1	943.9	944.4	944.8	945.3	945.8	946.9	948.0	949.0	950.1	950.1
167.5°	953.1	952.9	953.3	953.7	954.2	954.6	955.7	956.8	957.9	958.9	958.8
170°	958.1	957.8	958.1	958.5	958.8	959.1	960.2	961.3	962.3	963.4	963.3
172.5°	961.5	961.2	961.5	961.8	962.1	962.4	963.5	964.6	965.7	966.8	966.6
175°	965.2	964.8	965.1	965.5	965.8	966.1	967.2	968.3	969.3	970.4	970.2
177.5°	966.8	966.4	966.5	966.7	966.8	966.9	967.8	968.7	969.5	970.4	970.3
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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°	8.9	8.6	9.0	8.7	9.0	8.6	8.9	8.8	9.1	9.0	8.8
90°	18.0	18.3	18.6	18.9	18.6	18.3	18.0	17.7	17.1	16.3	15.6
92.5°	18.3	18.5	18.7	18.9	18.7	18.5	18.3	18.2	17.9	17.5	17.1
95°	30.6	30.4	30.3	30.1	30.3	30.4	30.6	30.7	30.4	29.6	28.9
97.5°	39.6	39.8	40.0	40.2	40.0	39.8	39.6	39.4	39.0	38.4	37.8
100°	46.0	46.3	46.6	46.9	46.6	46.3	46.0	45.7	44.9	43.6	42.4
102.5°	49.0	49.4	49.8	50.3	49.8	49.4	49.0	48.5	47.5	45.9	44.3
105°	51.3	52.0	52.6	53.2	52.6	52.0	51.3	50.7	49.5	47.8	46.1
107.5°	52.9	53.5	54.1	54.7	54.1	53.5	52.9	52.3	52.8	54.6	56.3
110°	53.4	54.1	54.7	55.3	54.7	54.1	53.4	52.8	60.3	75.8	91.4



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	54.4	54.9	55.4	55.9	55.4	54.9	54.4	53.9	82.0	138.8	195.5
115°	91.0	79.8	68.6	57.4	68.6	79.8	91.0	102.2	143.8	215.8	287.9
117.5°	344.8	308.0	271.2	234.4	271.2	308.0	344.8	381.6	408.7	426.1	443.6
120°	490.0	469.0	448.0	427.0	448.0	469.0	490.0	511.0	520.6	518.7	516.9
122.5°	545.1	541.0	537.0	532.9	537.0	541.0	545.1	549.2	550.7	549.5	548.4
125°	597.1	597.6	598.1	598.5	598.1	597.6	597.1	596.7	595.9	594.8	593.7
127.5°	639.7	639.8	639.9	640.0	639.9	639.8	639.7	639.6	638.8	637.2	635.6
130°	666.2	666.1	665.9	665.8	665.9	666.1	666.2	666.4	665.6	663.9	662.2
132.5°	691.4	691.3	691.1	691.0	691.1	691.3	691.4	691.6	690.9	689.5	688.0
135°	728.3	728.0	727.7	727.4	727.7	728.0	728.3	728.6	728.0	726.4	724.9
137.5°	762.1	761.6	761.1	760.5	761.1	761.6	762.1	762.7	762.2	760.6	759.1
140°	783.6	782.8	782.0	781.3	782.0	782.8	783.6	784.4	784.1	782.7	781.3
142.5°	803.8	803.0	802.2	801.4	802.2	803.0	803.8	804.5	804.3	803.0	801.7
145°	831.9	831.1	830.3	829.6	830.3	831.1	831.9	832.7	832.5	831.4	830.3
147.5°	856.3	855.7	855.0	854.3	855.0	855.7	856.3	857.0	856.9	856.1	855.3
150°	871.8	871.0	870.2	869.5	870.2	871.0	871.8	872.6	872.5	871.6	870.6
152.5°	885.4	884.4	883.4	882.3	883.4	884.4	885.4	886.5	886.5	885.6	884.6
155°	904.0	902.8	901.5	900.3	901.5	902.8	904.0	905.2	905.4	904.5	903.5
157.5°	920.3	919.1	917.9	916.6	917.9	919.1	920.3	921.5	921.6	920.5	919.5
160°	929.4	928.3	927.3	926.2	927.3	928.3	929.4	930.5	930.6	929.7	928.7
162.5°	938.0	936.7	935.3	934.0	935.3	936.7	938.0	939.4	939.5	938.4	937.4
165°	949.0	948.0	946.9	945.8	946.9	948.0	949.0	950.1	950.1	949.0	948.0
167.5°	957.4	956.0	954.6	953.2	954.6	956.0	957.4	958.8	958.9	957.9	956.8
170°	961.9	960.5	959.1	957.7	959.1	960.5	961.9	963.3	963.4	962.3	961.3
172.5°	965.2	963.8	962.4	961.0	962.4	963.8	965.2	966.6	966.8	965.7	964.6
175°	968.6	967.1	965.5	964.0	965.5	967.1	968.6	970.2	970.4	969.3	968.3
177.5°	969.2	968.0	966.9	965.8	966.9	968.0	969.2	970.3	970.4	969.5	968.7
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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	8.9	9.1	8.8	8.6	9.2	9.3	9.3	9.8	10.7	12.0
90°	14.8	14.0	12.8	11.5	10.3	9.0	7.5	5.8	4.1	2.4	0.7
92.5°	16.6	16.2	15.6	15.0	14.4	13.8	13.5	13.7	13.8	14.0	14.1
95°	28.1	27.3	26.2	25.1	24.0	22.9	25.0	30.1	35.2	40.4	45.5
97.5°	37.2	36.5	34.0	31.5	29.0	26.5	32.4	46.9	61.4	75.8	90.3
100°	41.1	39.9	37.3	34.6	32.0	29.3	38.7	60.0	81.3	102.6	123.9
102.5°	42.6	41.0	63.1	85.3	107.4	129.5	142.8	147.3	151.8	156.4	160.9
105°	44.4	42.7	85.2	127.6	170.1	212.6	231.5	226.8	222.2	217.5	212.8
107.5°	58.0	59.8	110.7	161.7	212.6	263.5	287.1	283.3	279.6	275.8	272.0
110°	107.0	122.5	167.5	212.4	257.4	302.3	323.2	319.9	316.7	313.4	310.1



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	252.3	309.0	320.1	331.2	342.3	353.4	357.5	354.6	351.8	348.9	346.0
115°	359.9	431.9	428.0	424.2	420.3	416.4	413.1	410.5	407.8	405.2	402.5
117.5°	461.0	478.4	475.7	473.1	470.4	467.7	464.9	461.9	459.0	456.0	453.1
120°	515.0	513.1	510.3	507.5	504.7	501.9	499.4	497.0	494.7	492.4	490.0
122.5°	547.3	546.2	543.1	540.1	537.0	534.0	531.2	528.8	526.3	523.9	521.4
125°	592.6	591.5	588.6	585.6	582.7	579.7	577.2	575.2	573.2	571.2	569.1
127.5°	634.0	632.4	630.2	628.0	625.8	623.6	621.4	619.1	616.9	614.6	612.4
130°	660.5	658.8	657.0	655.3	653.6	651.9	649.8	647.3	644.8	642.3	639.8
132.5°	686.5	685.1	683.4	681.6	679.9	678.2	676.3	674.2	672.1	670.0	667.9
135°	723.3	721.8	720.4	719.0	717.6	716.2	714.2	711.7	709.2	706.7	704.3
137.5°	757.6	756.1	754.5	752.9	751.3	749.7	748.0	746.3	744.6	742.8	741.1
140°	779.9	778.5	776.7	775.0	773.3	771.6	770.1	768.9	767.6	766.4	765.2
142.5°	800.5	799.2	797.2	795.3	793.3	791.3	789.8	788.7	787.6	786.4	785.3
145°	829.3	828.2	825.5	822.9	820.2	817.6	816.3	816.5	816.7	816.8	817.0
147.5°	854.5	853.6	851.0	848.4	845.8	843.2	842.2	842.8	843.4	844.0	844.5
150°	869.7	868.8	866.3	863.8	861.3	858.8	858.1	859.2	860.3	861.4	862.5
152.5°	883.7	882.8	880.4	878.0	875.7	873.3	872.7	873.9	875.2	876.4	877.6
155°	902.6	901.7	899.8	897.9	896.1	894.2	894.0	895.4	896.8	898.2	899.6
157.5°	918.4	917.3	916.0	914.7	913.4	912.1	912.1	913.2	914.4	915.6	916.8
160°	927.8	926.9	925.9	925.0	924.1	923.1	923.1	924.1	925.0	925.9	926.9
162.5°	936.3	935.3	934.5	933.7	932.8	932.0	932.1	933.0	934.0	934.9	935.8
165°	946.9	945.8	945.3	944.8	944.4	943.9	944.1	945.1	946.0	946.9	947.9
167.5°	955.7	954.6	954.2	953.7	953.3	952.9	953.1	954.0	955.0	955.9	956.8
170°	960.2	959.1	958.8	958.5	958.1	957.8	958.1	959.1	960.0	960.9	961.9
172.5°	963.5	962.4	962.1	961.8	961.5	961.2	961.5	962.4	963.4	964.3	965.2
175°	967.2	966.1	965.8	965.5	965.1	964.8	965.2	966.3	967.4	968.5	969.6
177.5°	967.8	966.9	966.8	966.7	966.5	966.4	966.8	967.7	968.5	969.4	970.3
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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	9.2	9.5	10.2	9.9	10.5
90°	2.4	4.1	5.8	7.5	9.0	10.3	11.5	12.8	14.0	14.8	15.6
92.5°	14.0	13.8	13.7	13.5	13.8	14.4	15.0	15.6	16.2	16.6	17.1
95°	40.4	35.2	30.1	25.0	22.9	24.0	25.1	26.2	27.3	28.1	28.9
97.5°	75.8	61.4	46.9	32.4	26.5	29.0	31.5	34.0	36.5	37.2	37.8
100°	102.6	81.3	60.0	38.7	29.3	32.0	34.6	37.3	39.9	41.1	42.4
102.5°	156.4	151.8	147.3	142.8	129.5	107.4	85.3	63.1	41.0	42.6	44.3
105°	217.5	222.2	226.8	231.5	212.6	170.1	127.6	85.2	42.7	44.4	46.1
107.5°	275.8	279.6	283.3	287.1	263.5	212.6	161.7	110.7	59.8	58.0	56.3
110°	313.4	316.7	319.9	323.2	302.3	257.4	212.4	167.5	122.5	107.0	91.4



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	348.9	351.8	354.6	357.5	353.4	342.3	331.2	320.1	309.0	252.3	195.5
115°	405.2	407.8	410.5	413.1	416.4	420.3	424.2	428.0	431.9	359.9	287.9
117.5°	456.0	459.0	461.9	464.9	467.7	470.4	473.1	475.7	478.4	461.0	443.6
120°	492.4	494.7	497.0	499.4	501.9	504.7	507.5	510.3	513.1	515.0	516.9
122.5°	523.9	526.3	528.8	531.2	534.0	537.0	540.1	543.1	546.2	547.3	548.4
125°	571.2	573.2	575.2	577.2	579.7	582.7	585.6	588.6	591.5	592.6	593.7
127.5°	614.6	616.9	619.1	621.4	623.6	625.8	628.0	630.2	632.4	634.0	635.6
130°	642.3	644.8	647.3	649.8	651.9	653.6	655.3	657.0	658.8	660.5	662.2
132.5°	670.0	672.1	674.2	676.3	678.2	679.9	681.6	683.4	685.1	686.5	688.0
135°	706.7	709.2	711.7	714.2	716.2	717.6	719.0	720.4	721.8	723.3	724.9
137.5°	742.8	744.6	746.3	748.0	749.7	751.3	752.9	754.5	756.1	757.6	759.1
140°	766.4	767.6	768.9	770.1	771.6	773.3	775.0	776.7	778.5	779.9	781.3
142.5°	786.4	787.6	788.7	789.8	791.3	793.3	795.3	797.2	799.2	800.5	801.7
145°	816.8	816.7	816.5	816.3	817.6	820.2	822.9	825.5	828.2	829.3	830.3
147.5°	844.0	843.4	842.8	842.2	843.2	845.8	848.4	851.0	853.6	854.5	855.3
150°	861.4	860.3	859.2	858.1	858.8	861.3	863.8	866.3	868.8	869.7	870.6
152.5°	876.4	875.2	873.9	872.7	873.3	875.7	878.0	880.4	882.8	883.7	884.6
155°	898.2	896.8	895.4	894.0	894.2	896.1	897.9	899.8	901.7	902.6	903.5
157.5°	915.6	914.4	913.2	912.1	912.1	913.4	914.7	916.0	917.3	918.4	919.5
160°	925.9	925.0	924.1	923.1	923.1	924.1	925.0	925.9	926.9	927.8	928.7
162.5°	934.9	934.0	933.0	932.1	932.0	932.8	933.7	934.5	935.3	936.3	937.4
165°	946.9	946.0	945.1	944.1	943.9	944.4	944.8	945.3	945.8	946.9	948.0
167.5°	955.9	955.0	954.0	953.1	952.9	953.3	953.7	954.2	954.6	955.7	956.8
170°	960.9	960.0	959.1	958.1	957.8	958.1	958.5	958.8	959.1	960.2	961.3
172.5°	964.3	963.4	962.4	961.5	961.2	961.5	961.8	962.1	962.4	963.5	964.6
175°	968.5	967.4	966.3	965.2	964.8	965.1	965.5	965.8	966.1	967.2	968.3
177.5°	969.4	968.5	967.7	966.8	966.4	966.5	966.7	966.8	966.9	967.8	968.7
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5	967.5



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-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°	10.2	10.4	10.5	10.5	10.6	10.7	10.3
90°	16.3	17.1	17.7	18.0	18.3	18.6	18.9
92.5°	17.5	17.9	18.2	18.3	18.5	18.7	18.9
95°	29.6	30.4	30.7	30.6	30.4	30.3	30.1
97.5°	38.4	39.0	39.4	39.6	39.8	40.0	40.2
100°	43.6	44.9	45.7	46.0	46.3	46.6	46.9
102.5°	45.9	47.5	48.5	49.0	49.4	49.8	50.3
105°	47.8	49.5	50.7	51.3	52.0	52.6	53.2
107.5°	54.6	52.8	52.3	52.9	53.5	54.1	54.7
110°	75.8	60.3	52.8	53.4	54.1	54.7	55.3



TEST NUMBER: P331809

CATALOG NUMBER: S122RDIW-S675D710U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	138.8	82.0	53.9	54.4	54.9	55.4	55.9
115°	215.8	143.8	102.2	91.0	79.8	68.6	57.4
117.5°	426.1	408.7	381.6	344.8	308.0	271.2	234.4
120°	518.7	520.6	511.0	490.0	469.0	448.0	427.0
122.5°	549.5	550.7	549.2	545.1	541.0	537.0	532.9
125°	594.8	595.9	596.7	597.1	597.6	598.1	598.5
127.5°	637.2	638.8	639.6	639.7	639.8	639.9	640.0
130°	663.9	665.6	666.4	666.2	666.1	665.9	665.8
132.5°	689.5	690.9	691.6	691.4	691.3	691.1	691.0
135°	726.4	728.0	728.6	728.3	728.0	727.7	727.4
137.5°	760.6	762.2	762.7	762.1	761.6	761.1	760.5
140°	782.7	784.1	784.4	783.6	782.8	782.0	781.3
142.5°	803.0	804.3	804.5	803.8	803.0	802.2	801.4
145°	831.4	832.5	832.7	831.9	831.1	830.3	829.6
147.5°	856.1	856.9	857.0	856.3	855.7	855.0	854.3
150°	871.6	872.5	872.6	871.8	871.0	870.2	869.5
152.5°	885.6	886.5	886.5	885.4	884.4	883.4	882.3
155°	904.5	905.4	905.2	904.0	902.8	901.5	900.3
157.5°	920.5	921.6	921.5	920.3	919.1	917.9	916.6
160°	929.7	930.6	930.5	929.4	928.3	927.3	926.2
162.5°	938.4	939.5	939.4	938.0	936.7	935.3	934.0
165°	949.0	950.1	950.1	949.0	948.0	946.9	945.8
167.5°	957.9	958.9	958.8	957.4	956.0	954.6	953.2
170°	962.3	963.4	963.3	961.9	960.5	959.1	957.7
172.5°	965.7	966.8	966.6	965.2	963.8	962.4	961.0
175°	969.3	970.4	970.2	968.6	967.1	965.5	964.0
177.5°	969.5	970.4	970.3	969.2	968.0	966.9	965.8
180°	967.5	967.5	967.5	967.5	967.5	967.5	967.5

(END OF REPORT)