

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: P331814-830

Luminaire Tested: **S122RDIW-S675D970U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331814-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S675D970U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

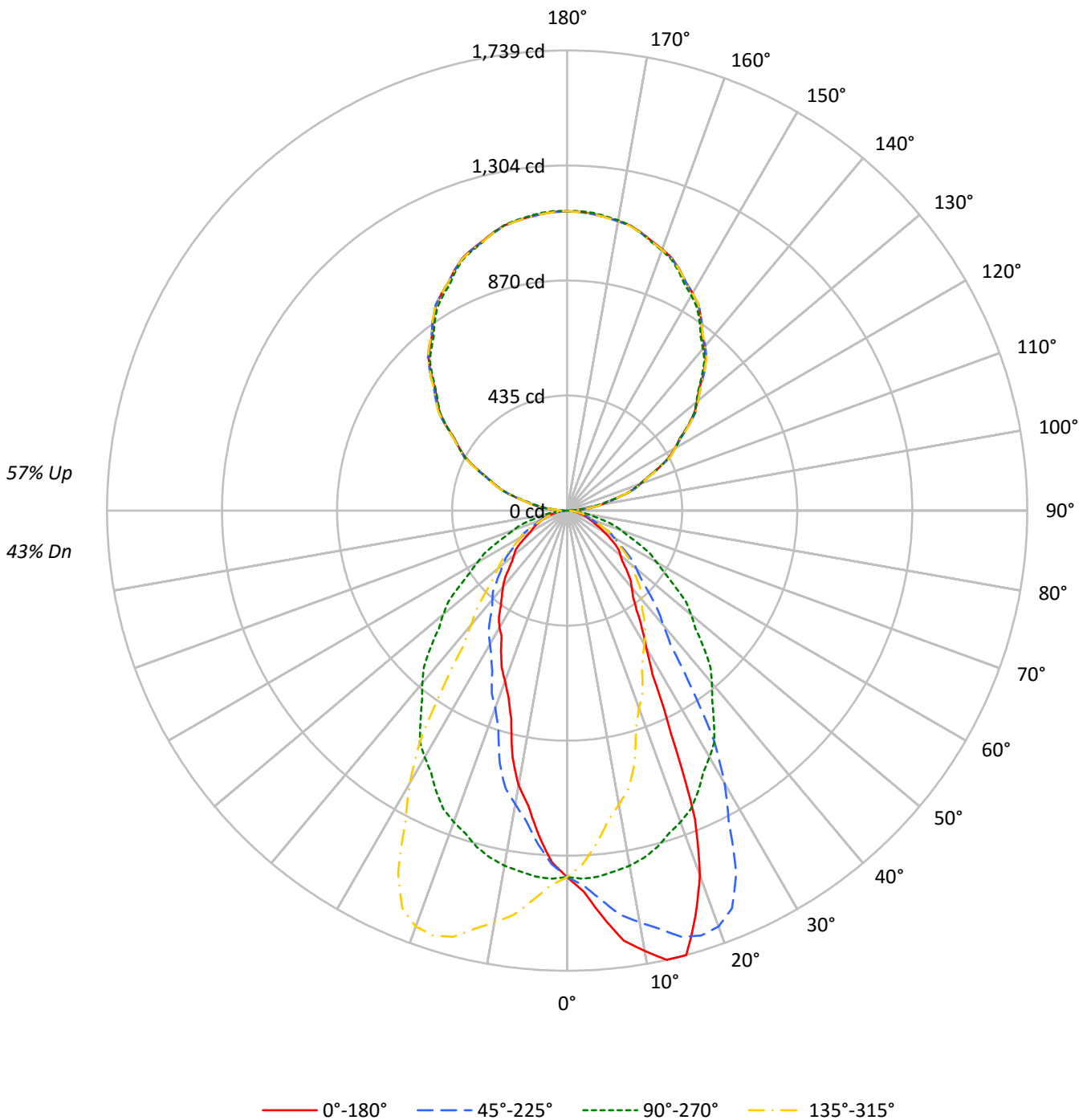
Lumens per Lamp: N/A  
Luminaire Lumens: 5560.7 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 52.6  
Input Voltage (V): 120  
Input Current (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	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	71	68	67	57	56	55	45	44	43	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	40	39	38	33
3	81	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	65	57	52	68	60	53	48	50	45	42	41	38	35	33	31	29	25
5	69	58	50	45	63	54	47	42	45	40	36	38	34	31	30	28	26	22
6	64	52	45	39	58	48	42	37	41	36	32	34	30	28	28	25	23	20
7	59	48	40	35	54	44	37	33	38	32	29	31	28	25	26	23	21	18
8	55	43	36	31	50	40	34	29	34	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	24	21	25	21	19	21	18	16	14

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

	0°	90°	180°	270°
0°	22357	22357	22357	22357
5°	24969	22498	19947	22498
10°	27702	22338	17290	22338
15°	29065	22011	13623	22011
20°	25197	21526	11789	21526
25°	16527	20861	10525	20861
30°	11123	20057	9527	20057
35°	9008	19042	8592	19042
40°	8011	17939	7950	17939
45°	7250	16643	7099	16643
50°	6599	15360	6574	15360
55°	6204	13937	6120	13937
60°	5189	12633	5125	12633
65°	4374	11469	4963	11469
70°	4046	10244	4683	10244
75°	3780	8914	4323	8914
80°	3487	7336	3849	7336
85°	3205	5798	3390	5798



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	2.4
10°-20°	365.7	6.6
20°-30°	471.3	8.5
30°-40°	447.9	8.1
40°-50°	383.7	6.9
50°-60°	292.2	5.3
60°-70°	184.7	3.3
70°-80°	92.2	1.7
80°-90°	28.5	0.5
90°-100°	71.7	1.3
100°-110°	222.6	4.0
110°-120°	380.6	6.8
120°-130°	500.5	9.0
130°-140°	561.7	10.1
140°-150°	550.8	9.9
150°-160°	462.0	8.3
160°-170°	306.4	5.5
170°-180°	107.1	1.9
0°-30°	968.3	17.4
0°-40°	1416.2	25.5
0°-60°	2092.1	37.6
0°-90°	2397.5	43.1
90°-120°	674.9	12.1
90°-150°	2287.8	41.1
90°-180°	3163.0	56.9
0°-180°	5560.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1385	1385	1385	1385	1385	
5°	1541	1388	1231	1388	1541	152
15°	1739	1317	815	1317	1739	469
25°	928	1171	591	1171	928	440
35°	457	966	436	966	457	292
45°	318	729	311	729	318	246
55°	220	495	217	495	220	193
65°	114	300	130	300	114	117
75°	61	143	69	143	61	64
85°	17	31	18	31	17	19
90°	32	1	32	1	32	15
95°	59	50	59	50	59	66
105°	212	205	212	205	212	223
115°	382	382	382	382	382	377
125°	558	556	558	556	558	497
135°	728	719	728	719	728	560
145°	882	872	882	872	882	551
155°	1005	998	1005	998	1005	463
165°	1086	1085	1086	1085	1086	306
175°	1126	1129	1126	1129	1126	107
180°	1131	1131	1131	1131	1131	



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1440.9	1442.0	1443.2	1440.5	1440.5	1438.1	1433.1	1429.4	1418.5	1417.0	1417.0
5°	1540.6	1539.5	1541.5	1535.3	1526.6	1524.7	1515.5	1503.5	1491.0	1477.1	1474.1
7.5°	1639.6	1638.2	1634.4	1633.3	1626.6	1612.1	1597.4	1581.8	1560.9	1540.7	1530.5
10°	1689.7	1705.6	1695.9	1679.1	1682.5	1659.9	1647.8	1627.2	1609.9	1579.5	1572.8
12.5°	1739.0	1745.2	1742.2	1732.6	1728.2	1712.6	1696.4	1678.4	1646.4	1619.2	1595.5
15°	1738.8	1747.9	1750.3	1747.5	1749.8	1748.9	1740.2	1725.3	1697.4	1667.5	1641.6
17.5°	1610.4	1616.7	1632.6	1643.2	1656.7	1685.2	1699.2	1704.7	1700.5	1683.6	1665.3
20°	1466.5	1455.9	1500.2	1522.8	1542.0	1590.1	1631.4	1647.4	1672.8	1672.4	1667.5
22.5°	1262.4	1265.0	1306.9	1333.8	1390.0	1438.0	1485.3	1545.0	1594.3	1626.9	1646.1
25°	927.7	945.9	987.8	1024.4	1086.8	1176.4	1257.6	1352.0	1441.0	1511.2	1578.1
27.5°	696.6	698.0	731.2	765.0	802.1	875.4	977.8	1090.4	1217.3	1322.0	1442.5
30°	596.6	593.7	607.7	628.4	660.1	716.9	793.8	904.6	1031.0	1188.8	1329.4
32.5°	525.8	525.9	536.5	551.8	578.2	616.4	669.1	759.0	878.6	1033.8	1198.4
35°	457.0	456.6	464.3	475.3	486.4	511.0	547.1	594.2	676.5	821.2	989.7
37.5°	407.8	409.9	413.7	420.6	432.8	446.5	468.2	499.8	558.4	644.0	785.6
40°	380.1	381.1	386.3	392.1	399.4	409.9	427.7	453.2	496.1	564.4	667.8
42.5°	354.7	355.6	359.4	364.8	370.4	381.1	395.8	417.8	452.5	505.9	591.2
45°	317.5	317.5	320.9	323.3	329.6	339.2	351.2	369.5	393.6	433.0	489.7
47.5°	282.7	282.8	285.0	289.2	293.1	300.6	312.5	327.3	344.9	375.4	423.9
50°	262.7	263.2	264.6	268.0	270.4	277.1	286.3	299.3	317.5	341.1	381.5
52.5°	246.6	246.2	248.1	249.5	251.2	256.0	262.8	274.3	290.6	311.1	344.6
55°	220.4	218.4	221.3	223.8	225.2	227.1	230.9	238.2	252.1	269.5	294.5
57.5°	187.7	186.9	188.9	191.1	195.7	200.9	204.1	208.7	215.9	228.4	253.2
60°	160.7	160.7	165.0	166.5	171.7	178.5	185.2	189.1	196.3	204.4	222.7
62.5°	136.9	137.2	139.2	140.7	143.6	151.9	161.4	169.8	176.6	184.5	196.6
65°	114.5	115.5	115.5	116.4	118.4	120.3	124.1	130.8	142.9	153.9	163.1
67.5°	97.2	97.5	97.7	98.7	99.2	101.3	102.8	105.8	108.7	119.1	130.4
70°	85.7	87.1	86.6	87.6	88.0	89.0	91.0	92.4	96.7	99.2	105.8
72.5°	74.8	75.9	75.8	76.4	77.7	77.9	79.4	80.9	83.6	85.7	89.3
75°	60.6	60.1	60.6	61.5	62.0	62.6	62.6	64.5	65.9	67.9	70.2
77.5°	46.8	47.2	47.1	47.2	47.3	48.2	48.1	49.0	50.4	51.4	52.5
80°	37.5	38.0	37.5	38.0	38.5	38.9	38.5	38.9	40.4	41.4	41.4
82.5°	29.0	29.1	29.4	29.5	29.6	29.7	30.4	30.5	31.6	31.4	31.8
85°	17.3	16.9	16.9	16.9	17.3	17.8	17.3	17.3	17.8	17.8	17.8
87.5°	12.6	13.0	12.9	12.9	12.8	12.9	13.0	13.5	13.1	13.6	12.3
90°	32.4	32.2	32.0	31.9	31.6	31.7	32.1	32.5	33.0	33.4	28.7
92.5°	30.9	30.9	30.8	30.8	30.7	30.7	30.6	30.5	30.4	30.3	29.2
95°	59.2	59.6	60.0	60.4	60.9	61.1	61.1	61.1	61.1	61.1	60.7
97.5°	102.5	102.5	102.6	102.6	102.7	102.7	102.7	102.7	102.7	102.7	101.9
100°	130.8	131.0	131.2	131.4	131.7	131.8	131.8	131.8	131.8	131.8	131.1
102.5°	162.9	163.1	163.2	163.5	163.7	163.7	163.5	163.4	163.2	163.1	162.2
105°	212.0	212.0	212.0	212.0	212.0	211.7	211.3	210.8	210.5	210.0	209.6
107.5°	258.2	259.1	260.0	261.1	262.0	262.4	262.3	262.1	261.9	261.7	261.7
110°	294.1	294.6	295.3	296.0	296.6	296.9	296.9	296.9	296.9	296.9	296.9



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	328.4	328.9	329.3	329.8	330.3	330.7	331.3	331.8	332.2	332.8	333.0
115°	381.8	382.5	383.1	383.8	384.4	384.8	385.0	385.2	385.5	385.7	386.1
117.5°	432.8	433.5	434.1	434.8	435.4	435.9	436.5	437.0	437.5	438.0	439.2
120°	468.7	469.4	470.0	470.6	471.3	471.6	471.6	471.6	471.6	471.6	473.3
122.5°	503.9	504.4	504.8	505.3	505.8	506.2	506.7	507.3	507.7	508.2	509.4
125°	557.5	557.7	558.0	558.2	558.4	558.8	559.4	560.1	560.7	561.4	561.9
127.5°	606.4	607.1	607.8	608.4	609.1	609.8	610.6	611.3	612.1	612.9	613.7
130°	641.5	642.3	643.2	644.0	644.9	645.5	646.0	646.4	646.9	647.2	647.7
132.5°	675.1	675.8	676.5	677.2	677.9	678.6	679.6	680.5	681.5	682.4	682.3
135°	727.5	728.1	728.7	729.3	730.0	730.4	730.7	730.8	731.0	731.2	730.8
137.5°	774.8	775.6	776.5	777.3	778.2	778.7	778.9	779.0	779.2	779.4	778.8
140°	807.7	808.5	809.4	810.2	811.1	811.4	811.4	811.4	811.4	811.4	810.4
142.5°	837.4	838.3	839.1	840.0	840.8	841.1	841.0	840.8	840.7	840.5	839.8
145°	882.1	883.0	883.8	884.7	885.5	885.8	885.6	885.4	885.1	885.0	883.7
147.5°	922.0	922.8	923.6	924.4	925.2	925.4	924.9	924.4	924.0	923.5	922.7
150°	948.0	948.6	949.2	949.9	950.6	950.6	949.9	949.2	948.6	948.0	947.2
152.5°	972.4	973.2	974.0	974.9	975.6	975.6	974.9	974.0	973.2	972.4	971.4
155°	1005.2	1005.9	1006.5	1007.2	1007.8	1007.6	1006.5	1005.5	1004.4	1003.3	1002.7
157.5°	1033.5	1034.5	1035.6	1036.6	1037.6	1037.4	1035.9	1034.5	1033.0	1031.6	1031.2
160°	1051.1	1052.0	1052.8	1053.7	1054.5	1054.2	1053.0	1051.7	1050.5	1049.1	1049.0
162.5°	1066.4	1067.3	1068.4	1069.4	1070.4	1070.3	1068.7	1067.3	1065.9	1064.4	1064.2
165°	1086.4	1087.5	1088.5	1089.6	1090.6	1090.4	1088.9	1087.5	1086.0	1084.5	1084.5
167.5°	1102.9	1103.9	1105.0	1106.2	1107.2	1107.0	1105.6	1104.1	1102.6	1101.1	1101.2
170°	1111.3	1112.5	1113.8	1115.0	1116.3	1116.3	1114.7	1113.2	1111.7	1110.3	1110.5
172.5°	1118.1	1119.4	1120.7	1121.9	1123.2	1123.0	1121.6	1120.1	1118.6	1117.1	1117.4
175°	1125.6	1126.8	1128.1	1129.4	1130.7	1130.5	1129.1	1127.6	1126.1	1124.5	1125.0
177.5°	1129.0	1130.0	1131.1	1132.0	1133.0	1133.0	1132.0	1131.1	1130.0	1129.0	1129.4
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1417.8	1414.7	1412.0	1405.0	1401.7	1393.9	1392.8	1392.4	1382.3	1372.7	1370.1
5°	1466.5	1458.8	1447.2	1433.7	1419.8	1405.3	1395.7	1388.1	1368.8	1350.5	1339.9
7.5°	1515.5	1499.0	1479.0	1453.6	1432.3	1408.4	1390.7	1374.9	1347.6	1321.4	1303.7
10°	1552.1	1525.1	1498.7	1463.6	1436.2	1409.2	1384.2	1362.5	1331.7	1297.1	1272.5
12.5°	1574.8	1545.2	1508.7	1474.3	1438.9	1404.6	1371.1	1343.3	1307.1	1271.3	1242.2
15°	1605.5	1573.8	1529.5	1480.5	1434.7	1390.0	1351.5	1316.8	1269.7	1226.9	1191.3
17.5°	1630.6	1587.0	1539.4	1482.6	1429.7	1372.8	1323.2	1279.0	1226.5	1174.9	1132.9
20°	1638.7	1595.4	1540.6	1483.8	1421.3	1354.3	1301.0	1252.8	1196.6	1140.3	1092.1
22.5°	1633.7	1600.1	1539.0	1471.1	1407.0	1337.0	1276.7	1220.9	1158.5	1101.0	1045.2
25°	1599.8	1588.2	1530.5	1456.3	1383.3	1301.9	1232.2	1171.0	1099.9	1038.3	977.6
27.5°	1520.5	1545.5	1509.7	1430.8	1349.4	1262.3	1183.8	1114.3	1040.4	971.1	910.7
30°	1444.4	1501.6	1486.2	1413.1	1322.1	1236.5	1148.5	1075.8	996.9	925.7	866.0
32.5°	1340.0	1434.6	1449.6	1388.5	1294.4	1200.3	1108.1	1035.8	953.4	878.4	820.2
35°	1173.9	1315.4	1380.4	1341.3	1247.1	1145.6	1050.3	966.1	883.4	809.3	751.5
37.5°	975.8	1168.5	1276.7	1279.5	1192.9	1087.3	983.6	900.0	815.3	742.5	680.1
40°	847.3	1056.0	1197.0	1228.3	1155.2	1041.1	936.2	851.1	768.4	697.1	625.5
42.5°	731.8	939.8	1113.1	1167.5	1109.4	996.1	890.9	801.8	721.4	654.0	580.8
45°	591.8	773.6	964.7	1061.9	1029.6	924.7	813.6	728.9	653.4	595.1	524.9
47.5°	499.2	627.4	812.2	943.7	943.1	847.3	738.0	657.0	586.9	532.3	475.4
50°	446.5	558.1	714.4	863.7	876.1	795.8	691.8	611.5	546.1	488.8	443.1
52.5°	399.2	491.2	631.7	774.7	810.3	740.7	639.9	565.7	502.2	449.6	410.4
55°	337.2	408.5	515.3	649.0	702.9	653.8	564.4	495.1	443.6	399.4	365.6
57.5°	285.3	338.7	424.4	532.2	594.8	564.0	490.1	433.9	389.8	349.8	323.2
60°	252.6	296.3	369.0	459.0	528.3	506.6	443.6	391.2	353.6	319.0	294.0
62.5°	221.8	259.4	321.7	394.7	458.3	449.3	397.8	353.8	320.9	289.4	268.2
65°	178.5	205.9	254.5	311.8	362.8	367.1	330.1	300.2	270.9	245.8	227.1
67.5°	142.1	160.0	194.3	242.5	280.7	294.4	271.7	248.9	225.6	206.3	190.0
70°	119.8	134.2	159.3	198.2	233.4	247.8	234.8	217.0	196.8	180.9	166.9
72.5°	97.1	111.1	129.6	158.2	188.3	203.9	199.3	186.6	170.2	157.0	143.8
75°	73.1	77.5	90.0	109.2	132.8	146.3	149.7	142.9	129.9	119.8	112.1
77.5°	54.1	56.6	62.7	72.8	88.1	100.2	105.1	104.3	95.4	89.4	82.3
80°	43.3	44.8	47.6	51.9	63.5	75.5	78.9	78.9	72.7	70.2	63.1
82.5°	32.9	33.9	35.7	38.1	43.5	54.0	57.8	58.5	54.6	51.4	45.7
85°	18.8	18.3	19.2	20.6	21.7	24.5	30.3	31.3	30.3	26.5	25.0
87.5°	11.4	10.8	9.9	8.8	8.7	8.5	9.9	11.3	10.4	9.7	9.4
90°	24.0	19.4	14.7	11.1	8.6	6.0	3.5	0.9	3.5	6.0	8.6
92.5°	28.2	27.1	25.9	24.5	22.6	20.7	18.9	17.0	18.9	20.7	22.6
95°	60.2	59.9	59.4	58.2	56.0	53.9	51.7	49.7	51.7	53.9	56.0
97.5°	101.1	100.3	99.5	98.1	96.3	94.4	92.6	90.7	92.6	94.4	96.3
100°	130.4	129.8	129.2	128.0	126.3	124.6	122.9	121.2	122.9	124.6	126.3
102.5°	161.5	160.6	159.9	158.7	157.4	156.0	154.7	153.4	154.7	156.0	157.4
105°	209.2	208.8	208.3	207.8	207.2	206.5	205.9	205.3	205.9	206.5	207.2
107.5°	261.7	261.7	261.7	261.3	260.3	259.4	258.5	257.6	258.5	259.4	260.3
110°	296.9	296.9	296.9	296.2	295.0	293.7	292.5	291.2	292.5	293.7	295.0





TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.1	333.3	333.5	332.9	331.7	330.4	329.1	327.8	329.1	330.4	331.7
115°	386.5	386.9	387.4	386.9	385.7	384.4	383.1	381.8	383.1	384.4	385.7
117.5°	440.4	441.6	442.7	442.5	440.8	439.1	437.4	435.7	437.4	439.1	440.8
120°	475.0	476.7	478.4	478.4	476.7	475.0	473.3	471.6	473.3	475.0	476.7
122.5°	510.7	511.8	513.0	512.6	510.6	508.5	506.5	504.4	506.5	508.5	510.6
125°	562.6	563.3	563.9	563.3	561.4	559.4	557.5	555.6	557.5	559.4	561.4
127.5°	614.4	615.2	616.0	615.1	612.7	610.3	607.8	605.5	607.8	610.3	612.7
130°	648.1	648.6	648.9	647.8	645.1	642.2	639.5	636.8	639.5	642.2	645.1
132.5°	682.2	682.1	682.0	680.9	678.6	676.4	674.1	671.8	674.1	676.4	678.6
135°	730.4	730.0	729.5	728.2	725.9	723.5	721.2	718.9	721.2	723.5	725.9
137.5°	778.3	777.7	777.2	775.9	774.0	772.1	770.2	768.3	770.2	772.1	774.0
140°	809.4	808.3	807.2	805.7	803.8	801.9	800.0	798.1	800.0	801.9	803.8
142.5°	839.1	838.3	837.6	836.3	834.3	832.5	830.6	828.7	830.6	832.5	834.3
145°	882.4	881.2	879.9	878.5	877.0	875.5	874.0	872.5	874.0	875.5	877.0
147.5°	921.8	921.0	920.1	918.8	917.0	915.3	913.5	911.7	913.5	915.3	917.0
150°	946.3	945.5	944.6	943.5	942.3	940.9	939.7	938.4	939.7	940.9	942.3
152.5°	970.3	969.4	968.4	967.2	965.9	964.7	963.4	962.1	963.4	964.7	965.9
155°	1002.1	1001.5	1000.8	1000.1	999.6	998.9	998.2	997.6	998.2	998.9	999.6
157.5°	1030.9	1030.5	1030.1	1029.6	1029.3	1028.8	1028.4	1027.9	1028.4	1028.8	1029.3
160°	1048.8	1048.6	1048.3	1048.0	1047.5	1047.2	1046.7	1046.3	1046.7	1047.2	1047.5
162.5°	1064.0	1063.8	1063.6	1063.5	1063.4	1063.3	1063.2	1063.1	1063.2	1063.3	1063.4
165°	1084.5	1084.5	1084.5	1084.6	1084.8	1085.1	1085.2	1085.4	1085.2	1085.1	1084.8
167.5°	1101.2	1101.3	1101.3	1101.6	1102.2	1102.9	1103.5	1104.2	1103.5	1102.9	1102.2
170°	1110.7	1110.9	1111.2	1111.5	1112.2	1112.9	1113.4	1114.1	1113.4	1112.9	1112.2
172.5°	1117.6	1117.8	1117.9	1118.4	1119.1	1119.6	1120.3	1121.0	1120.3	1119.6	1119.1
175°	1125.4	1125.9	1126.2	1126.8	1127.5	1128.1	1128.7	1129.4	1128.7	1128.1	1127.5
177.5°	1129.6	1130.0	1130.3	1130.8	1131.2	1131.8	1132.3	1132.8	1132.3	1131.8	1131.2
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1365.1	1362.4	1357.4	1349.6	1345.0	1336.9	1331.5	1334.6	1335.4	1334.6	1333.9
5°	1328.4	1318.2	1304.3	1290.8	1278.4	1264.9	1257.2	1253.8	1247.1	1243.2	1241.3
7.5°	1284.0	1266.6	1246.9	1223.4	1203.4	1182.6	1172.0	1166.6	1152.8	1145.4	1138.8
10°	1250.9	1223.5	1203.8	1173.0	1154.2	1126.8	1108.1	1108.5	1089.8	1079.1	1071.5
12.5°	1214.4	1184.2	1151.4	1123.7	1097.6	1075.6	1053.0	1043.9	1023.9	1013.7	993.0
15°	1153.8	1118.6	1084.0	1046.4	1020.0	985.8	953.1	913.1	880.9	853.0	845.4
17.5°	1087.5	1044.1	1009.3	965.3	919.9	862.4	824.5	801.3	781.9	767.2	756.2
20°	1042.1	997.9	960.8	894.4	833.3	794.4	766.5	748.7	728.4	712.6	703.9
22.5°	994.4	948.2	897.7	823.6	776.0	744.7	719.8	699.4	685.7	673.3	665.4
25°	926.6	876.1	792.9	741.9	703.4	670.7	653.4	640.8	626.4	609.5	601.9
27.5°	855.1	774.7	714.9	677.0	640.3	619.0	603.4	584.8	571.8	564.3	556.3
30°	801.5	721.2	674.6	633.2	607.2	583.6	565.3	554.8	542.2	529.2	524.0
32.5°	741.9	677.7	633.0	598.5	572.1	552.0	537.6	520.5	511.4	503.4	492.4
35°	667.8	619.3	578.3	550.4	525.4	509.1	492.2	482.1	465.7	459.0	454.7
37.5°	605.0	562.9	532.4	502.9	483.1	465.1	454.8	438.7	431.6	422.3	413.1
40°	569.7	528.3	498.9	474.9	452.7	439.2	426.3	413.3	402.7	398.4	387.3
42.5°	533.5	499.8	470.4	444.0	429.2	415.0	398.6	389.1	378.1	371.1	364.2
45°	483.5	453.7	428.7	407.0	390.7	375.8	365.1	349.3	343.1	329.0	323.3
47.5°	439.7	411.9	388.0	367.5	351.5	341.8	326.3	313.9	303.9	295.3	287.9
50°	408.5	385.4	362.3	344.0	329.6	315.7	299.7	293.5	278.1	273.7	269.5
52.5°	380.0	358.1	336.9	319.0	304.5	291.0	277.0	268.8	258.4	254.1	251.0
55°	340.2	319.0	298.8	282.9	268.4	254.5	245.8	235.7	230.9	227.5	223.8
57.5°	300.1	281.1	265.6	249.5	235.0	223.9	213.9	207.8	202.8	198.4	193.8
60°	274.8	256.5	242.5	227.5	212.6	203.5	195.9	188.6	182.9	176.1	174.2
62.5°	247.8	231.8	219.0	204.4	191.5	183.1	175.8	169.0	162.0	152.2	149.5
65°	210.8	198.2	184.7	172.8	161.2	153.0	142.4	134.7	131.9	130.8	130.4
67.5°	177.3	165.4	153.8	141.6	131.0	123.5	118.1	116.9	114.9	114.3	113.0
70°	155.0	143.8	132.3	120.7	110.7	109.2	107.3	105.4	102.9	102.0	101.0
72.5°	134.9	123.5	111.9	102.6	98.3	96.5	94.6	92.7	91.0	90.1	89.4
75°	103.4	92.8	85.2	81.8	79.4	77.9	75.0	73.6	72.7	71.2	70.7
77.5°	74.5	68.5	64.9	62.9	60.3	58.8	57.1	55.7	54.7	54.4	53.6
80°	56.7	53.9	51.5	48.6	47.6	45.7	45.2	43.8	44.3	42.8	42.8
82.5°	44.1	40.4	38.4	37.0	36.1	34.6	34.0	33.4	33.5	32.4	32.4
85°	22.6	21.7	20.6	19.7	19.7	18.3	18.8	18.3	18.3	17.3	16.9
87.5°	9.5	9.9	10.1	10.9	11.9	12.4	12.3	11.9	11.8	11.7	11.3
90°	11.1	14.7	19.4	24.0	28.7	33.4	33.0	32.5	32.1	31.7	31.6
92.5°	24.5	25.9	27.1	28.2	29.2	30.3	30.4	30.5	30.6	30.7	30.7
95°	58.2	59.4	59.9	60.2	60.7	61.1	61.1	61.1	61.1	61.1	60.9
97.5°	98.1	99.5	100.3	101.1	101.9	102.7	102.7	102.7	102.7	102.7	102.7
100°	128.0	129.2	129.8	130.4	131.1	131.8	131.8	131.8	131.8	131.8	131.7
102.5°	158.7	159.9	160.6	161.5	162.2	163.1	163.2	163.4	163.5	163.7	163.7
105°	207.8	208.3	208.8	209.2	209.6	210.0	210.5	210.8	211.3	211.7	212.0
107.5°	261.3	261.7	261.7	261.7	261.7	261.7	261.9	262.1	262.3	262.4	262.0
110°	296.2	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.9	296.6



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	332.9	333.5	333.3	333.1	333.0	332.8	332.2	331.8	331.3	330.7	330.3
115°	386.9	387.4	386.9	386.5	386.1	385.7	385.5	385.2	385.0	384.8	384.4
117.5°	442.5	442.7	441.6	440.4	439.2	438.0	437.5	437.0	436.5	435.9	435.4
120°	478.4	478.4	476.7	475.0	473.3	471.6	471.6	471.6	471.6	471.6	471.3
122.5°	512.6	513.0	511.8	510.7	509.4	508.2	507.7	507.3	506.7	506.2	505.8
125°	563.3	563.9	563.3	562.6	561.9	561.4	560.7	560.1	559.4	558.8	558.4
127.5°	615.1	616.0	615.2	614.4	613.7	612.9	612.1	611.3	610.6	609.8	609.1
130°	647.8	648.9	648.6	648.1	647.7	647.2	646.9	646.4	646.0	645.5	644.9
132.5°	680.9	682.0	682.1	682.2	682.3	682.4	681.5	680.5	679.6	678.6	677.9
135°	728.2	729.5	730.0	730.4	730.8	731.2	731.0	730.8	730.7	730.4	730.0
137.5°	775.9	777.2	777.7	778.3	778.8	779.4	779.2	779.0	778.9	778.7	778.2
140°	805.7	807.2	808.3	809.4	810.4	811.4	811.4	811.4	811.4	811.4	811.1
142.5°	836.3	837.6	838.3	839.1	839.8	840.5	840.7	840.8	841.0	841.1	840.8
145°	878.5	879.9	881.2	882.4	883.7	885.0	885.1	885.4	885.6	885.8	885.5
147.5°	918.8	920.1	921.0	921.8	922.7	923.5	924.0	924.4	924.9	925.4	925.2
150°	943.5	944.6	945.5	946.3	947.2	948.0	948.6	949.2	949.9	950.6	950.6
152.5°	967.2	968.4	969.4	970.3	971.4	972.4	973.2	974.0	974.9	975.6	975.6
155°	1000.1	1000.8	1001.5	1002.1	1002.7	1003.3	1004.4	1005.5	1006.5	1007.6	1007.8
157.5°	1029.6	1030.1	1030.5	1030.9	1031.2	1031.6	1033.0	1034.5	1035.9	1037.4	1037.6
160°	1048.0	1048.3	1048.6	1048.8	1049.0	1049.1	1050.5	1051.7	1053.0	1054.2	1054.5
162.5°	1063.5	1063.6	1063.8	1064.0	1064.2	1064.4	1065.9	1067.3	1068.7	1070.3	1070.4
165°	1084.6	1084.5	1084.5	1084.5	1084.5	1084.5	1086.0	1087.5	1088.9	1090.4	1090.6
167.5°	1101.6	1101.3	1101.3	1101.2	1101.2	1101.1	1102.6	1104.1	1105.6	1107.0	1107.2
170°	1111.5	1111.2	1110.9	1110.7	1110.5	1110.3	1111.7	1113.2	1114.7	1116.3	1116.3
172.5°	1118.4	1117.9	1117.8	1117.6	1117.4	1117.1	1118.6	1120.1	1121.6	1123.0	1123.2
175°	1126.8	1126.2	1125.9	1125.4	1125.0	1124.5	1126.1	1127.6	1129.1	1130.5	1130.7
177.5°	1130.8	1130.3	1130.0	1129.6	1129.4	1129.0	1130.0	1131.1	1132.0	1133.0	1133.0
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1329.6	1330.4	1329.3	1330.0	1329.3	1330.4	1329.6	1333.9	1334.6	1335.4	1334.6
5°	1238.9	1233.1	1232.2	1230.7	1232.2	1233.1	1238.9	1241.3	1243.2	1247.1	1253.8
7.5°	1130.6	1129.6	1127.3	1123.9	1127.3	1129.6	1130.6	1138.8	1145.4	1152.8	1166.6
10°	1060.8	1058.5	1058.0	1054.6	1058.0	1058.5	1060.8	1071.5	1079.1	1089.8	1108.5
12.5°	979.3	963.7	962.1	953.8	962.1	963.7	979.3	993.0	1013.7	1023.9	1043.9
15°	833.8	830.9	821.2	815.0	821.2	830.9	833.8	845.4	853.0	880.9	913.1
17.5°	750.6	741.2	738.2	736.9	738.2	741.2	750.6	756.2	767.2	781.9	801.3
20°	697.1	688.5	687.0	686.1	687.0	688.5	697.1	703.9	712.6	728.4	748.7
22.5°	660.2	651.1	647.4	644.5	647.4	651.1	660.2	665.4	673.3	685.7	699.4
25°	597.1	593.7	591.8	590.8	591.8	593.7	597.1	601.9	609.5	626.4	640.8
27.5°	547.7	540.3	538.9	536.4	538.9	540.3	547.7	556.3	564.3	571.8	584.8
30°	519.6	517.2	513.9	511.0	513.9	517.2	519.6	524.0	529.2	542.2	554.8
32.5°	486.5	484.5	481.5	480.1	481.5	484.5	486.5	492.4	503.4	511.4	520.5
35°	449.9	443.1	440.3	435.9	440.3	443.1	449.9	454.7	459.0	465.7	482.1
37.5°	411.0	407.6	403.5	404.9	403.5	407.6	411.0	413.1	422.3	431.6	438.7
40°	381.1	378.6	377.7	377.2	377.7	378.6	381.1	387.3	398.4	402.7	413.3
42.5°	357.2	350.5	348.1	348.0	348.1	350.5	357.2	364.2	371.1	378.1	389.1
45°	320.9	314.6	310.3	310.9	310.3	314.6	320.9	323.3	329.0	343.1	349.3
47.5°	283.8	283.6	280.9	281.7	280.9	283.6	283.8	287.9	295.3	303.9	313.9
50°	266.1	263.2	261.3	261.7	261.3	263.2	266.1	269.5	273.7	278.1	293.5
52.5°	249.1	246.7	245.1	247.1	245.1	246.7	249.1	251.0	254.1	258.4	268.8
55°	221.3	218.4	217.9	217.4	217.9	218.4	221.3	223.8	227.5	230.9	235.7
57.5°	190.2	188.3	185.4	184.2	185.4	188.3	190.2	193.8	198.4	202.8	207.8
60°	167.9	164.1	159.3	158.7	159.3	164.1	167.9	174.2	176.1	182.9	188.6
62.5°	147.5	146.8	145.8	145.7	145.8	146.8	147.5	149.5	152.2	162.0	169.0
65°	129.4	128.9	129.4	129.9	129.4	128.9	129.4	130.4	130.8	131.9	134.7
67.5°	112.8	111.9	111.0	111.4	111.0	111.9	112.8	113.0	114.3	114.9	116.9
70°	100.1	99.6	99.2	99.2	99.2	99.6	100.1	101.0	102.0	102.9	105.4
72.5°	87.8	87.7	87.2	86.8	87.2	87.7	87.8	89.4	90.1	91.0	92.7
75°	70.2	69.3	69.3	69.3	69.3	69.3	70.2	70.7	71.2	72.7	73.6
77.5°	53.5	53.1	52.5	52.1	52.5	53.1	53.5	53.6	54.4	54.7	55.7
80°	42.3	41.8	41.4	41.4	41.4	41.8	42.3	42.8	42.8	44.3	43.8
82.5°	32.3	31.9	31.8	31.4	31.8	31.9	32.3	32.4	32.4	33.5	33.4
85°	17.3	17.8	17.3	18.3	17.3	17.8	17.3	16.9	17.3	18.3	18.3
87.5°	11.4	11.0	11.5	11.1	11.5	11.0	11.4	11.3	11.7	11.8	11.9
90°	31.9	32.0	32.2	32.4	32.2	32.0	31.9	31.6	31.7	32.1	32.5
92.5°	30.8	30.8	30.9	30.9	30.9	30.8	30.8	30.7	30.7	30.6	30.5
95°	60.4	60.0	59.6	59.2	59.6	60.0	60.4	60.9	61.1	61.1	61.1
97.5°	102.6	102.6	102.5	102.5	102.5	102.6	102.6	102.7	102.7	102.7	102.7
100°	131.4	131.2	131.0	130.8	131.0	131.2	131.4	131.7	131.8	131.8	131.8
102.5°	163.5	163.2	163.1	162.9	163.1	163.2	163.5	163.7	163.7	163.5	163.4
105°	212.0	212.0	212.0	212.0	212.0	212.0	212.0	212.0	211.7	211.3	210.8
107.5°	261.1	260.0	259.1	258.2	259.1	260.0	261.1	262.0	262.4	262.3	262.1
110°	296.0	295.3	294.6	294.1	294.6	295.3	296.0	296.6	296.9	296.9	296.9



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	329.8	329.3	328.9	328.4	328.9	329.3	329.8	330.3	330.7	331.3	331.8
115°	383.8	383.1	382.5	381.8	382.5	383.1	383.8	384.4	384.8	385.0	385.2
117.5°	434.8	434.1	433.5	432.8	433.5	434.1	434.8	435.4	435.9	436.5	437.0
120°	470.6	470.0	469.4	468.7	469.4	470.0	470.6	471.3	471.6	471.6	471.6
122.5°	505.3	504.8	504.4	503.9	504.4	504.8	505.3	505.8	506.2	506.7	507.3
125°	558.2	558.0	557.7	557.5	557.7	558.0	558.2	558.4	558.8	559.4	560.1
127.5°	608.4	607.8	607.1	606.4	607.1	607.8	608.4	609.1	609.8	610.6	611.3
130°	644.0	643.2	642.3	641.5	642.3	643.2	644.0	644.9	645.5	646.0	646.4
132.5°	677.2	676.5	675.8	675.1	675.8	676.5	677.2	677.9	678.6	679.6	680.5
135°	729.3	728.7	728.1	727.5	728.1	728.7	729.3	730.0	730.4	730.7	730.8
137.5°	777.3	776.5	775.6	774.8	775.6	776.5	777.3	778.2	778.7	778.9	779.0
140°	810.2	809.4	808.5	807.7	808.5	809.4	810.2	811.1	811.4	811.4	811.4
142.5°	840.0	839.1	838.3	837.4	838.3	839.1	840.0	840.8	841.1	841.0	840.8
145°	884.7	883.8	883.0	882.1	883.0	883.8	884.7	885.5	885.8	885.6	885.4
147.5°	924.4	923.6	922.8	922.0	922.8	923.6	924.4	925.2	925.4	924.9	924.4
150°	949.9	949.2	948.6	948.0	948.6	949.2	949.9	950.6	950.6	949.9	949.2
152.5°	974.9	974.0	973.2	972.4	973.2	974.0	974.9	975.6	975.6	974.9	974.0
155°	1007.2	1006.5	1005.9	1005.2	1005.9	1006.5	1007.2	1007.8	1007.6	1006.5	1005.5
157.5°	1036.6	1035.6	1034.5	1033.5	1034.5	1035.6	1036.6	1037.6	1037.4	1035.9	1034.5
160°	1053.7	1052.8	1052.0	1051.1	1052.0	1052.8	1053.7	1054.5	1054.2	1053.0	1051.7
162.5°	1069.4	1068.4	1067.3	1066.4	1067.3	1068.4	1069.4	1070.4	1070.3	1068.7	1067.3
165°	1089.6	1088.5	1087.5	1086.4	1087.5	1088.5	1089.6	1090.6	1090.4	1088.9	1087.5
167.5°	1106.2	1105.0	1103.9	1102.9	1103.9	1105.0	1106.2	1107.2	1107.0	1105.6	1104.1
170°	1115.0	1113.8	1112.5	1111.3	1112.5	1113.8	1115.0	1116.3	1116.3	1114.7	1113.2
172.5°	1121.9	1120.7	1119.4	1118.1	1119.4	1120.7	1121.9	1123.2	1123.0	1121.6	1120.1
175°	1129.4	1128.1	1126.8	1125.6	1126.8	1128.1	1129.4	1130.7	1130.5	1129.1	1127.6
177.5°	1132.0	1131.1	1130.0	1129.0	1130.0	1131.1	1132.0	1133.0	1133.0	1132.0	1131.1
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1331.5	1336.9	1345.0	1349.6	1357.4	1362.4	1365.1	1370.1	1372.7	1382.3	1392.4
5°	1257.2	1264.9	1278.4	1290.8	1304.3	1318.2	1328.4	1339.9	1350.5	1368.8	1388.1
7.5°	1172.0	1182.6	1203.4	1223.4	1246.9	1266.6	1284.0	1303.7	1321.4	1347.6	1374.9
10°	1108.1	1126.8	1154.2	1173.0	1203.8	1223.5	1250.9	1272.5	1297.1	1331.7	1362.5
12.5°	1053.0	1075.6	1097.6	1123.7	1151.4	1184.2	1214.4	1242.2	1271.3	1307.1	1343.3
15°	953.1	985.8	1020.0	1046.4	1084.0	1118.6	1153.8	1191.3	1226.9	1269.7	1316.8
17.5°	824.5	862.4	919.9	965.3	1009.3	1044.1	1087.5	1132.9	1174.9	1226.5	1279.0
20°	766.5	794.4	833.3	894.4	960.8	997.9	1042.1	1092.1	1140.3	1196.6	1252.8
22.5°	719.8	744.7	776.0	823.6	897.7	948.2	994.4	1045.2	1101.0	1158.5	1220.9
25°	653.4	670.7	703.4	741.9	792.9	876.1	926.6	977.6	1038.3	1099.9	1171.0
27.5°	603.4	619.0	640.3	677.0	714.9	774.7	855.1	910.7	971.1	1040.4	1114.3
30°	565.3	583.6	607.2	633.2	674.6	721.2	801.5	866.0	925.7	996.9	1075.8
32.5°	537.6	552.0	572.1	598.5	633.0	677.7	741.9	820.2	878.4	953.4	1035.8
35°	492.2	509.1	525.4	550.4	578.3	619.3	667.8	751.5	809.3	883.4	966.1
37.5°	454.8	465.1	483.1	502.9	532.4	562.9	605.0	680.1	742.5	815.3	900.0
40°	426.3	439.2	452.7	474.9	498.9	528.3	569.7	625.5	697.1	768.4	851.1
42.5°	398.6	415.0	429.2	444.0	470.4	499.8	533.5	580.8	654.0	721.4	801.8
45°	365.1	375.8	390.7	407.0	428.7	453.7	483.5	524.9	595.1	653.4	728.9
47.5°	326.3	341.8	351.5	367.5	388.0	411.9	439.7	475.4	532.3	586.9	657.0
50°	299.7	315.7	329.6	344.0	362.3	385.4	408.5	443.1	488.8	546.1	611.5
52.5°	277.0	291.0	304.5	319.0	336.9	358.1	380.0	410.4	449.6	502.2	565.7
55°	245.8	254.5	268.4	282.9	298.8	319.0	340.2	365.6	399.4	443.6	495.1
57.5°	213.9	223.9	235.0	249.5	265.6	281.1	300.1	323.2	349.8	389.8	433.9
60°	195.9	203.5	212.6	227.5	242.5	256.5	274.8	294.0	319.0	353.6	391.2
62.5°	175.8	183.1	191.5	204.4	219.0	231.8	247.8	268.2	289.4	320.9	353.8
65°	142.4	153.0	161.2	172.8	184.7	198.2	210.8	227.1	245.8	270.9	300.2
67.5°	118.1	123.5	131.0	141.6	153.8	165.4	177.3	190.0	206.3	225.6	248.9
70°	107.3	109.2	110.7	120.7	132.3	143.8	155.0	166.9	180.9	196.8	217.0
72.5°	94.6	96.5	98.3	102.6	111.9	123.5	134.9	143.8	157.0	170.2	186.6
75°	75.0	77.9	79.4	81.8	85.2	92.8	103.4	112.1	119.8	129.9	142.9
77.5°	57.1	58.8	60.3	62.9	64.9	68.5	74.5	82.3	89.4	95.4	104.3
80°	45.2	45.7	47.6	48.6	51.5	53.9	56.7	63.1	70.2	72.7	78.9
82.5°	34.0	34.6	36.1	37.0	38.4	40.4	44.1	45.7	51.4	54.6	58.5
85°	18.8	18.3	19.7	19.7	20.6	21.7	22.6	25.0	26.5	30.3	31.3
87.5°	12.3	12.4	11.9	10.9	10.1	9.9	9.5	9.4	9.7	10.4	11.3
90°	33.0	33.4	28.7	24.0	19.4	14.7	11.1	8.6	6.0	3.5	0.9
92.5°	30.4	30.3	29.2	28.2	27.1	25.9	24.5	22.6	20.7	18.9	17.0
95°	61.1	61.1	60.7	60.2	59.9	59.4	58.2	56.0	53.9	51.7	49.7
97.5°	102.7	102.7	101.9	101.1	100.3	99.5	98.1	96.3	94.4	92.6	90.7
100°	131.8	131.8	131.1	130.4	129.8	129.2	128.0	126.3	124.6	122.9	121.2
102.5°	163.2	163.1	162.2	161.5	160.6	159.9	158.7	157.4	156.0	154.7	153.4
105°	210.5	210.0	209.6	209.2	208.8	208.3	207.8	207.2	206.5	205.9	205.3
107.5°	261.9	261.7	261.7	261.7	261.7	261.7	261.3	260.3	259.4	258.5	257.6
110°	296.9	296.9	296.9	296.9	296.9	296.9	296.2	295.0	293.7	292.5	291.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	332.2	332.8	333.0	333.1	333.3	333.5	332.9	331.7	330.4	329.1	327.8
115°	385.5	385.7	386.1	386.5	386.9	387.4	386.9	385.7	384.4	383.1	381.8
117.5°	437.5	438.0	439.2	440.4	441.6	442.7	442.5	440.8	439.1	437.4	435.7
120°	471.6	471.6	473.3	475.0	476.7	478.4	478.4	476.7	475.0	473.3	471.6
122.5°	507.7	508.2	509.4	510.7	511.8	513.0	512.6	510.6	508.5	506.5	504.4
125°	560.7	561.4	561.9	562.6	563.3	563.9	563.3	561.4	559.4	557.5	555.6
127.5°	612.1	612.9	613.7	614.4	615.2	616.0	615.1	612.7	610.3	607.8	605.5
130°	646.9	647.2	647.7	648.1	648.6	648.9	647.8	645.1	642.2	639.5	636.8
132.5°	681.5	682.4	682.3	682.2	682.1	682.0	680.9	678.6	676.4	674.1	671.8
135°	731.0	731.2	730.8	730.4	730.0	729.5	728.2	725.9	723.5	721.2	718.9
137.5°	779.2	779.4	778.8	778.3	777.7	777.2	775.9	774.0	772.1	770.2	768.3
140°	811.4	811.4	810.4	809.4	808.3	807.2	805.7	803.8	801.9	800.0	798.1
142.5°	840.7	840.5	839.8	839.1	838.3	837.6	836.3	834.3	832.5	830.6	828.7
145°	885.1	885.0	883.7	882.4	881.2	879.9	878.5	877.0	875.5	874.0	872.5
147.5°	924.0	923.5	922.7	921.8	921.0	920.1	918.8	917.0	915.3	913.5	911.7
150°	948.6	948.0	947.2	946.3	945.5	944.6	943.5	942.3	940.9	939.7	938.4
152.5°	973.2	972.4	971.4	970.3	969.4	968.4	967.2	965.9	964.7	963.4	962.1
155°	1004.4	1003.3	1002.7	1002.1	1001.5	1000.8	1000.1	999.6	998.9	998.2	997.6
157.5°	1033.0	1031.6	1031.2	1030.9	1030.5	1030.1	1029.6	1029.3	1028.8	1028.4	1027.9
160°	1050.5	1049.1	1049.0	1048.8	1048.6	1048.3	1048.0	1047.5	1047.2	1046.7	1046.3
162.5°	1065.9	1064.4	1064.2	1064.0	1063.8	1063.6	1063.5	1063.4	1063.3	1063.2	1063.1
165°	1086.0	1084.5	1084.5	1084.5	1084.5	1084.5	1084.6	1084.8	1085.1	1085.2	1085.4
167.5°	1102.6	1101.1	1101.2	1101.2	1101.3	1101.3	1101.6	1102.2	1102.9	1103.5	1104.2
170°	1111.7	1110.3	1110.5	1110.7	1110.9	1111.2	1111.5	1112.2	1112.9	1113.4	1114.1
172.5°	1118.6	1117.1	1117.4	1117.6	1117.8	1117.9	1118.4	1119.1	1119.6	1120.3	1121.0
175°	1126.1	1124.5	1125.0	1125.4	1125.9	1126.2	1126.8	1127.5	1128.1	1128.7	1129.4
177.5°	1130.0	1129.0	1129.4	1129.6	1130.0	1130.3	1130.8	1131.2	1131.8	1132.3	1132.8
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1392.8	1393.9	1401.7	1405.0	1412.0	1414.7	1417.8	1417.0	1417.0	1418.5	1429.4
5°	1395.7	1405.3	1419.8	1433.7	1447.2	1458.8	1466.5	1474.1	1477.1	1491.0	1503.5
7.5°	1390.7	1408.4	1432.3	1453.6	1479.0	1499.0	1515.5	1530.5	1540.7	1560.9	1581.8
10°	1384.2	1409.2	1436.2	1463.6	1498.7	1525.1	1552.1	1572.8	1579.5	1609.9	1627.2
12.5°	1371.1	1404.6	1438.9	1474.3	1508.7	1545.2	1574.8	1595.5	1619.2	1646.4	1678.4
15°	1351.5	1390.0	1434.7	1480.5	1529.5	1573.8	1605.5	1641.6	1667.5	1697.4	1725.3
17.5°	1323.2	1372.8	1429.7	1482.6	1539.4	1587.0	1630.6	1665.3	1683.6	1700.5	1704.7
20°	1301.0	1354.3	1421.3	1483.8	1540.6	1595.4	1638.7	1667.5	1672.4	1672.8	1647.4
22.5°	1276.7	1337.0	1407.0	1471.1	1539.0	1600.1	1633.7	1646.1	1626.9	1594.3	1545.0
25°	1232.2	1301.9	1383.3	1456.3	1530.5	1588.2	1599.8	1578.1	1511.2	1441.0	1352.0
27.5°	1183.8	1262.3	1349.4	1430.8	1509.7	1545.5	1520.5	1442.5	1322.0	1217.3	1090.4
30°	1148.5	1236.5	1322.1	1413.1	1486.2	1501.6	1444.4	1329.4	1188.8	1031.0	904.6
32.5°	1108.1	1200.3	1294.4	1388.5	1449.6	1434.6	1340.0	1198.4	1033.8	878.6	759.0
35°	1050.3	1145.6	1247.1	1341.3	1380.4	1315.4	1173.9	989.7	821.2	676.5	594.2
37.5°	983.6	1087.3	1192.9	1279.5	1276.7	1168.5	975.8	785.6	644.0	558.4	499.8
40°	936.2	1041.1	1155.2	1228.3	1197.0	1056.0	847.3	667.8	564.4	496.1	453.2
42.5°	890.9	996.1	1109.4	1167.5	1113.1	939.8	731.8	591.2	505.9	452.5	417.8
45°	813.6	924.7	1029.6	1061.9	964.7	773.6	591.8	489.7	433.0	393.6	369.5
47.5°	738.0	847.3	943.1	943.7	812.2	627.4	499.2	423.9	375.4	344.9	327.3
50°	691.8	795.8	876.1	863.7	714.4	558.1	446.5	381.5	341.1	317.5	299.3
52.5°	639.9	740.7	810.3	774.7	631.7	491.2	399.2	344.6	311.1	290.6	274.3
55°	564.4	653.8	702.9	649.0	515.3	408.5	337.2	294.5	269.5	252.1	238.2
57.5°	490.1	564.0	594.8	532.2	424.4	338.7	285.3	253.2	228.4	215.9	208.7
60°	443.6	506.6	528.3	459.0	369.0	296.3	252.6	222.7	204.4	196.3	189.1
62.5°	397.8	449.3	458.3	394.7	321.7	259.4	221.8	196.6	184.5	176.6	169.8
65°	330.1	367.1	362.8	311.8	254.5	205.9	178.5	163.1	153.9	142.9	130.8
67.5°	271.7	294.4	280.7	242.5	194.3	160.0	142.1	130.4	119.1	108.7	105.8
70°	234.8	247.8	233.4	198.2	159.3	134.2	119.8	105.8	99.2	96.7	92.4
72.5°	199.3	203.9	188.3	158.2	129.6	111.1	97.1	89.3	85.7	83.6	80.9
75°	149.7	146.3	132.8	109.2	90.0	77.5	73.1	70.2	67.9	65.9	64.5
77.5°	105.1	100.2	88.1	72.8	62.7	56.6	54.1	52.5	51.4	50.4	49.0
80°	78.9	75.5	63.5	51.9	47.6	44.8	43.3	41.4	41.4	40.4	38.9
82.5°	57.8	54.0	43.5	38.1	35.7	33.9	32.9	31.8	31.4	31.6	30.5
85°	30.3	24.5	21.7	20.6	19.2	18.3	18.8	17.8	17.8	17.8	17.3
87.5°	9.9	8.5	8.7	8.8	9.9	10.8	11.4	12.3	13.6	13.1	13.5
90°	3.5	6.0	8.6	11.1	14.7	19.4	24.0	28.7	33.4	33.0	32.5
92.5°	18.9	20.7	22.6	24.5	25.9	27.1	28.2	29.2	30.3	30.4	30.5
95°	51.7	53.9	56.0	58.2	59.4	59.9	60.2	60.7	61.1	61.1	61.1
97.5°	92.6	94.4	96.3	98.1	99.5	100.3	101.1	101.9	102.7	102.7	102.7
100°	122.9	124.6	126.3	128.0	129.2	129.8	130.4	131.1	131.8	131.8	131.8
102.5°	154.7	156.0	157.4	158.7	159.9	160.6	161.5	162.2	163.1	163.2	163.4
105°	205.9	206.5	207.2	207.8	208.3	208.8	209.2	209.6	210.0	210.5	210.8
107.5°	258.5	259.4	260.3	261.3	261.7	261.7	261.7	261.7	261.7	261.9	262.1
110°	292.5	293.7	295.0	296.2	296.9	296.9	296.9	296.9	296.9	296.9	296.9





TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	329.1	330.4	331.7	332.9	333.5	333.3	333.1	333.0	332.8	332.2	331.8
115°	383.1	384.4	385.7	386.9	387.4	386.9	386.5	386.1	385.7	385.5	385.2
117.5°	437.4	439.1	440.8	442.5	442.7	441.6	440.4	439.2	438.0	437.5	437.0
120°	473.3	475.0	476.7	478.4	478.4	476.7	475.0	473.3	471.6	471.6	471.6
122.5°	506.5	508.5	510.6	512.6	513.0	511.8	510.7	509.4	508.2	507.7	507.3
125°	557.5	559.4	561.4	563.3	563.9	563.3	562.6	561.9	561.4	560.7	560.1
127.5°	607.8	610.3	612.7	615.1	616.0	615.2	614.4	613.7	612.9	612.1	611.3
130°	639.5	642.2	645.1	647.8	648.9	648.6	648.1	647.7	647.2	646.9	646.4
132.5°	674.1	676.4	678.6	680.9	682.0	682.1	682.2	682.3	682.4	681.5	680.5
135°	721.2	723.5	725.9	728.2	729.5	730.0	730.4	730.8	731.2	731.0	730.8
137.5°	770.2	772.1	774.0	775.9	777.2	777.7	778.3	778.8	779.4	779.2	779.0
140°	800.0	801.9	803.8	805.7	807.2	808.3	809.4	810.4	811.4	811.4	811.4
142.5°	830.6	832.5	834.3	836.3	837.6	838.3	839.1	839.8	840.5	840.7	840.8
145°	874.0	875.5	877.0	878.5	879.9	881.2	882.4	883.7	885.0	885.1	885.4
147.5°	913.5	915.3	917.0	918.8	920.1	921.0	921.8	922.7	923.5	924.0	924.4
150°	939.7	940.9	942.3	943.5	944.6	945.5	946.3	947.2	948.0	948.6	949.2
152.5°	963.4	964.7	965.9	967.2	968.4	969.4	970.3	971.4	972.4	973.2	974.0
155°	998.2	998.9	999.6	1000.1	1000.8	1001.5	1002.1	1002.7	1003.3	1004.4	1005.5
157.5°	1028.4	1028.8	1029.3	1029.6	1030.1	1030.5	1030.9	1031.2	1031.6	1033.0	1034.5
160°	1046.7	1047.2	1047.5	1048.0	1048.3	1048.6	1048.8	1049.0	1049.1	1050.5	1051.7
162.5°	1063.2	1063.3	1063.4	1063.5	1063.6	1063.8	1064.0	1064.2	1064.4	1065.9	1067.3
165°	1085.2	1085.1	1084.8	1084.6	1084.5	1084.5	1084.5	1084.5	1084.5	1086.0	1087.5
167.5°	1103.5	1102.9	1102.2	1101.6	1101.3	1101.3	1101.2	1101.2	1101.1	1102.6	1104.1
170°	1113.4	1112.9	1112.2	1111.5	1111.2	1110.9	1110.7	1110.5	1110.3	1111.7	1113.2
172.5°	1120.3	1119.6	1119.1	1118.4	1117.9	1117.8	1117.6	1117.4	1117.1	1118.6	1120.1
175°	1128.7	1128.1	1127.5	1126.8	1126.2	1125.9	1125.4	1125.0	1124.5	1126.1	1127.6
177.5°	1132.3	1131.8	1131.2	1130.8	1130.3	1130.0	1129.6	1129.4	1129.0	1130.0	1131.1
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7	1384.7
2.5°	1433.1	1438.1	1440.5	1440.5	1443.2	1442.0	1440.9
5°	1515.5	1524.7	1526.6	1535.3	1541.5	1539.5	1540.6
7.5°	1597.4	1612.1	1626.6	1633.3	1634.4	1638.2	1639.6
10°	1647.8	1659.9	1682.5	1679.1	1695.9	1705.6	1689.7
12.5°	1696.4	1712.6	1728.2	1732.6	1742.2	1745.2	1739.0
15°	1740.2	1748.9	1749.8	1747.5	1750.3	1747.9	1738.8
17.5°	1699.2	1685.2	1656.7	1643.2	1632.6	1616.7	1610.4
20°	1631.4	1590.1	1542.0	1522.8	1500.2	1455.9	1466.5
22.5°	1485.3	1438.0	1390.0	1333.8	1306.9	1265.0	1262.4
25°	1257.6	1176.4	1086.8	1024.4	987.8	945.9	927.7
27.5°	977.8	875.4	802.1	765.0	731.2	698.0	696.6
30°	793.8	716.9	660.1	628.4	607.7	593.7	596.6
32.5°	669.1	616.4	578.2	551.8	536.5	525.9	525.8
35°	547.1	511.0	486.4	475.3	464.3	456.6	457.0
37.5°	468.2	446.5	432.8	420.6	413.7	409.9	407.8
40°	427.7	409.9	399.4	392.1	386.3	381.1	380.1
42.5°	395.8	381.1	370.4	364.8	359.4	355.6	354.7
45°	351.2	339.2	329.6	323.3	320.9	317.5	317.5
47.5°	312.5	300.6	293.1	289.2	285.0	282.8	282.7
50°	286.3	277.1	270.4	268.0	264.6	263.2	262.7
52.5°	262.8	256.0	251.2	249.5	248.1	246.2	246.6
55°	230.9	227.1	225.2	223.8	221.3	218.4	220.4
57.5°	204.1	200.9	195.7	191.1	188.9	186.9	187.7
60°	185.2	178.5	171.7	166.5	165.0	160.7	160.7
62.5°	161.4	151.9	143.6	140.7	139.2	137.2	136.9
65°	124.1	120.3	118.4	116.4	115.5	115.5	114.5
67.5°	102.8	101.3	99.2	98.7	97.7	97.5	97.2
70°	91.0	89.0	88.0	87.6	86.6	87.1	85.7
72.5°	79.4	77.9	77.7	76.4	75.8	75.9	74.8
75°	62.6	62.6	62.0	61.5	60.6	60.1	60.6
77.5°	48.1	48.2	47.3	47.2	47.1	47.2	46.8
80°	38.5	38.9	38.5	38.0	37.5	38.0	37.5
82.5°	30.4	29.7	29.6	29.5	29.4	29.1	29.0
85°	17.3	17.8	17.3	16.9	16.9	16.9	17.3
87.5°	13.0	12.9	12.8	12.9	12.9	13.0	12.6
90°	32.1	31.7	31.6	31.9	32.0	32.2	32.4
92.5°	30.6	30.7	30.7	30.8	30.8	30.9	30.9
95°	61.1	61.1	60.9	60.4	60.0	59.6	59.2
97.5°	102.7	102.7	102.7	102.6	102.6	102.5	102.5
100°	131.8	131.8	131.7	131.4	131.2	131.0	130.8
102.5°	163.5	163.7	163.7	163.5	163.2	163.1	162.9
105°	211.3	211.7	212.0	212.0	212.0	212.0	212.0
107.5°	262.3	262.4	262.0	261.1	260.0	259.1	258.2
110°	296.9	296.9	296.6	296.0	295.3	294.6	294.1



TEST NUMBER: P331814-830

CATALOG NUMBER: S122RDIW-S675D970U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	331.3	330.7	330.3	329.8	329.3	328.9	328.4
115°	385.0	384.8	384.4	383.8	383.1	382.5	381.8
117.5°	436.5	435.9	435.4	434.8	434.1	433.5	432.8
120°	471.6	471.6	471.3	470.6	470.0	469.4	468.7
122.5°	506.7	506.2	505.8	505.3	504.8	504.4	503.9
125°	559.4	558.8	558.4	558.2	558.0	557.7	557.5
127.5°	610.6	609.8	609.1	608.4	607.8	607.1	606.4
130°	646.0	645.5	644.9	644.0	643.2	642.3	641.5
132.5°	679.6	678.6	677.9	677.2	676.5	675.8	675.1
135°	730.7	730.4	730.0	729.3	728.7	728.1	727.5
137.5°	778.9	778.7	778.2	777.3	776.5	775.6	774.8
140°	811.4	811.4	811.1	810.2	809.4	808.5	807.7
142.5°	841.0	841.1	840.8	840.0	839.1	838.3	837.4
145°	885.6	885.8	885.5	884.7	883.8	883.0	882.1
147.5°	924.9	925.4	925.2	924.4	923.6	922.8	922.0
150°	949.9	950.6	950.6	949.9	949.2	948.6	948.0
152.5°	974.9	975.6	975.6	974.9	974.0	973.2	972.4
155°	1006.5	1007.6	1007.8	1007.2	1006.5	1005.9	1005.2
157.5°	1035.9	1037.4	1037.6	1036.6	1035.6	1034.5	1033.5
160°	1053.0	1054.2	1054.5	1053.7	1052.8	1052.0	1051.1
162.5°	1068.7	1070.3	1070.4	1069.4	1068.4	1067.3	1066.4
165°	1088.9	1090.4	1090.6	1089.6	1088.5	1087.5	1086.4
167.5°	1105.6	1107.0	1107.2	1106.2	1105.0	1103.9	1102.9
170°	1114.7	1116.3	1116.3	1115.0	1113.8	1112.5	1111.3
172.5°	1121.6	1123.0	1123.2	1121.9	1120.7	1119.4	1118.1
175°	1129.1	1130.5	1130.7	1129.4	1128.1	1126.8	1125.6
177.5°	1132.0	1133.0	1133.0	1132.0	1131.1	1130.0	1129.0
180°	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2	1131.2

(END OF REPORT)