

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: P333672-830

Luminaire Tested: **S125RDIW-S610D1340U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333672-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S610D1340U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7318.5 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

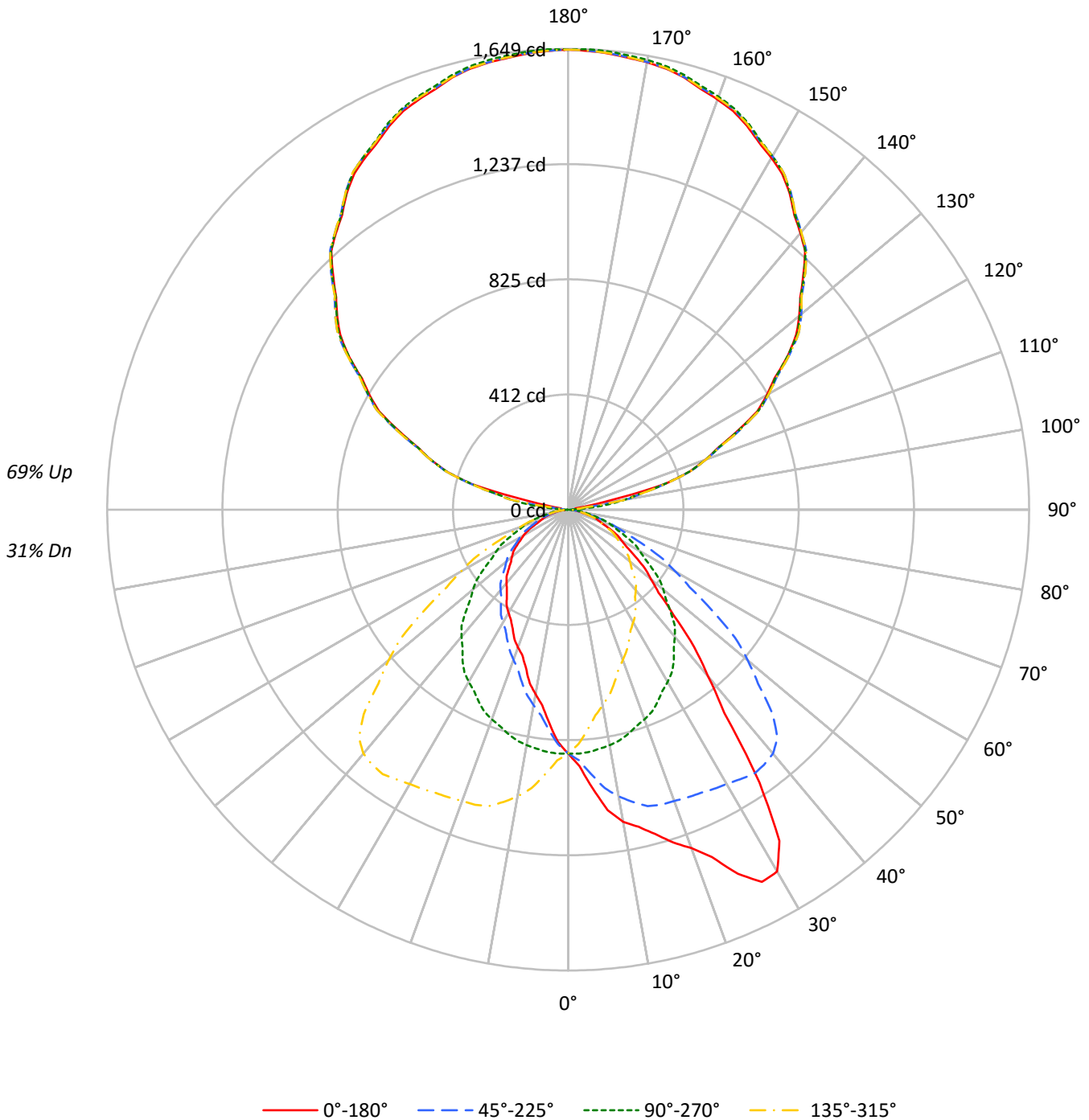
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	60	49	47	46	34	34	33	27
2	86	79	73	68	77	71	66	62	56	53	50	43	41	39	31	29	28	23
3	78	69	62	57	70	62	57	52	50	46	42	38	35	33	27	26	24	19
4	71	61	54	48	64	55	49	44	44	40	36	34	31	28	25	23	21	17
5	66	55	47	41	59	49	43	38	40	35	31	31	27	25	22	20	18	15
6	60	49	41	36	54	44	38	33	36	31	27	28	24	22	20	18	16	13
7	56	44	36	31	50	40	33	29	32	27	24	25	22	19	18	16	14	12
8	52	40	32	27	46	36	30	25	29	24	21	23	19	17	17	15	13	10
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	13	12	9
10	45	33	26	22	40	30	24	20	25	20	17	19	16	14	14	12	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.1
10°-20°	245.1	3.3
20°-30°	388.6	5.3
30°-40°	468.7	6.4
40°-50°	418.5	5.7
50°-60°	321.0	4.4
60°-70°	208.6	2.8
70°-80°	101.4	1.4
80°-90°	27.6	0.4
90°-100°	59.8	0.8
100°-110°	368.7	5.0
110°-120°	668.7	9.1
120°-130°	858.2	11.7
130°-140°	923.1	12.6
140°-150°	866.4	11.8
150°-160°	700.9	9.6
160°-170°	453.3	6.2
170°-180°	156.3	2.1
0°-30°	717.4	9.8
0°-40°	1186.0	16.2
0°-60°	1925.5	26.3
0°-90°	2263.1	30.9
90°-120°	1097.2	15.0
90°-150°	3744.9	51.2
90°-180°	5055.0	69.1
0°-180°	7318.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	20
90°	29	1	29	1	29	13
95°	26	70	26	70	26	21
105°	362	359	362	359	362	328
115°	669	674	669	674	669	664
125°	958	958	958	958	958	852
135°	1190	1195	1190	1195	1190	918
145°	1382	1385	1382	1385	1382	863
155°	1514	1525	1514	1525	1514	698
165°	1601	1610	1601	1610	1601	452
175°	1639	1646	1639	1646	1639	156
180°	1646	1646	1646	1646	1646	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	12.2	11.7	11.2	11.1	11.2	11.6	11.0	10.5	10.2	9.9	9.8
90°	29.3	28.5	27.6	26.9	26.0	25.0	23.6	22.2	20.9	19.5	17.6
92.5°	27.3	27.0	26.6	26.2	25.8	25.0	23.6	22.2	20.9	19.5	17.8
95°	25.6	25.6	25.6	25.6	25.6	25.0	23.6	22.2	20.9	19.5	29.8
97.5°	25.6	25.6	25.6	25.6	25.6	29.4	37.1	44.8	52.4	60.0	80.4
100°	25.6	26.7	27.8	28.8	30.0	50.7	91.1	131.5	171.9	212.4	211.2
102.5°	153.5	171.9	190.4	208.9	227.2	240.3	248.0	255.6	263.3	270.9	270.2
105°	362.4	362.7	363.0	363.3	363.5	363.6	363.6	363.6	363.6	363.6	363.6
107.5°	456.9	457.7	458.5	459.3	460.1	460.5	460.5	460.4	460.3	460.3	459.8
110°	522.4	522.1	521.8	521.5	521.2	521.5	522.4	523.1	524.0	524.7	524.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	580.9	581.3	581.6	582.0	582.4	583.2	584.2	585.1	586.2	587.2	586.9
115°	668.7	670.3	672.0	673.6	675.2	676.7	677.7	678.8	679.9	681.0	680.7
117.5°	762.5	763.2	763.9	764.6	765.3	766.4	767.8	769.2	770.6	772.0	771.0
120°	820.1	821.4	822.7	824.2	825.5	826.4	827.0	827.6	828.1	828.6	827.8
122.5°	874.8	876.3	877.9	879.5	881.0	882.1	882.6	883.2	883.7	884.3	883.9
125°	958.0	958.8	959.6	960.5	961.2	962.1	963.3	964.3	965.4	966.5	966.5
127.5°	1028.0	1030.0	1032.1	1034.1	1036.0	1037.4	1037.9	1038.6	1039.2	1039.7	1039.9
130°	1078.8	1080.2	1081.5	1082.9	1084.2	1085.3	1086.1	1086.9	1087.8	1088.5	1088.3
132.5°	1125.7	1127.0	1128.4	1129.7	1131.1	1131.8	1132.0	1132.2	1132.4	1132.5	1133.1
135°	1189.9	1191.5	1193.1	1194.8	1196.4	1197.4	1198.0	1198.5	1199.1	1199.6	1200.1
137.5°	1254.2	1255.7	1257.1	1258.5	1259.9	1260.6	1260.5	1260.4	1260.3	1260.2	1260.7
140°	1292.3	1294.0	1295.6	1297.2	1298.8	1299.4	1298.8	1298.4	1297.8	1297.2	1297.5
142.5°	1328.5	1330.1	1331.7	1333.3	1335.0	1335.8	1335.7	1335.5	1335.4	1335.3	1334.9
145°	1381.5	1383.1	1384.7	1386.3	1388.0	1388.6	1388.4	1388.1	1387.8	1387.5	1387.5
147.5°	1425.1	1427.1	1429.0	1431.0	1432.9	1433.8	1433.4	1433.1	1432.8	1432.5	1432.1
150°	1453.4	1455.6	1457.7	1459.9	1462.1	1462.9	1462.4	1461.9	1461.3	1460.8	1460.2
152.5°	1479.8	1481.8	1483.8	1485.6	1487.6	1488.3	1487.8	1487.2	1486.7	1486.1	1485.6
155°	1514.5	1516.6	1518.8	1521.0	1523.1	1523.8	1523.0	1522.2	1521.4	1520.6	1520.0
157.5°	1543.5	1545.7	1547.8	1550.0	1552.2	1552.8	1552.0	1551.1	1550.2	1549.4	1549.4
160°	1562.1	1564.2	1566.4	1568.6	1570.7	1571.3	1570.2	1569.1	1568.0	1567.0	1566.7
162.5°	1578.7	1581.0	1583.4	1585.8	1588.2	1588.7	1587.1	1585.5	1584.0	1582.5	1582.2
165°	1601.1	1603.3	1605.4	1607.6	1609.8	1610.1	1608.4	1606.8	1605.1	1603.5	1603.3
167.5°	1616.7	1619.2	1621.6	1624.0	1626.5	1626.7	1624.8	1622.9	1620.9	1618.9	1618.6
170°	1625.5	1628.0	1630.4	1632.9	1635.3	1635.4	1633.2	1631.1	1628.9	1626.7	1626.5
172.5°	1631.4	1633.8	1636.3	1638.7	1641.2	1641.3	1639.5	1637.5	1635.5	1633.5	1633.0
175°	1638.9	1641.3	1643.8	1646.2	1648.7	1648.8	1646.6	1644.5	1642.3	1640.1	1639.9
177.5°	1643.3	1645.0	1646.8	1648.5	1650.3	1650.4	1648.9	1647.4	1645.9	1644.3	1644.1
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	9.7	9.3	9.2	8.9	8.1	9.1	9.5	9.4	9.2	9.1	9.0
90°	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.1	14.5	12.8	12.7	14.2	15.7	17.2	18.8	17.2	15.7	14.2
95°	40.2	50.4	60.7	66.3	67.1	68.0	68.7	69.6	68.7	68.0	67.1
97.5°	100.9	121.2	141.6	151.1	149.6	148.2	146.7	145.2	146.7	148.2	149.6
100°	210.2	209.1	208.0	207.1	206.2	205.4	204.6	203.8	204.6	205.4	206.2
102.5°	269.7	269.0	268.3	267.5	266.5	265.4	264.4	263.3	264.4	265.4	266.5
105°	363.6	363.6	363.6	363.2	362.0	361.0	359.9	358.8	359.9	361.0	362.0
107.5°	459.2	458.7	458.2	457.9	457.9	457.9	457.9	457.9	457.9	457.9	457.9
110°	523.7	523.1	522.5	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	586.5	586.3	586.0	585.4	584.8	584.2	583.5	582.9	583.5	584.2	584.8
115°	680.4	680.1	679.9	679.1	677.7	676.4	675.0	673.6	675.0	676.4	677.7
117.5°	770.0	768.9	767.9	767.4	767.4	767.5	767.5	767.6	767.5	767.5	767.4
120°	827.0	826.1	825.4	825.1	825.4	825.7	826.0	826.1	826.0	825.7	825.4
122.5°	883.5	883.2	882.8	882.0	881.0	880.0	878.9	877.9	878.9	880.0	881.0
125°	966.5	966.5	966.5	965.5	963.7	961.8	959.9	958.0	959.9	961.8	963.7
127.5°	1040.1	1040.2	1040.4	1039.8	1038.4	1037.1	1035.8	1034.3	1035.8	1037.1	1038.4
130°	1088.0	1087.8	1087.5	1086.7	1085.3	1083.9	1082.6	1081.2	1082.6	1083.9	1085.3
132.5°	1133.7	1134.3	1134.9	1134.3	1132.8	1131.2	1129.6	1128.1	1129.6	1131.2	1132.8
135°	1200.7	1201.3	1201.7	1201.3	1199.6	1198.0	1196.4	1194.8	1196.4	1198.0	1199.6
137.5°	1261.1	1261.6	1262.1	1261.6	1260.2	1258.8	1257.4	1256.0	1257.4	1258.8	1260.2
140°	1297.8	1298.1	1298.4	1298.2	1297.6	1297.1	1296.6	1296.0	1296.6	1297.1	1297.6
142.5°	1334.5	1334.2	1333.8	1333.4	1333.1	1332.8	1332.5	1332.1	1332.5	1332.8	1333.1
145°	1387.5	1387.5	1387.5	1387.2	1386.8	1386.2	1385.6	1385.1	1385.6	1386.2	1386.8
147.5°	1431.8	1431.4	1431.2	1431.1	1431.2	1431.3	1431.3	1431.4	1431.3	1431.3	1431.2
150°	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1460.2	1459.7	1459.2
152.5°	1485.1	1484.5	1483.9	1484.3	1485.5	1486.7	1487.9	1489.0	1487.9	1486.7	1485.5
155°	1519.5	1518.9	1518.4	1518.9	1520.6	1522.2	1523.8	1525.4	1523.8	1522.2	1520.6
157.5°	1549.3	1549.2	1549.2	1549.6	1550.6	1551.5	1552.6	1553.5	1552.6	1551.5	1550.6
160°	1566.4	1566.1	1565.8	1566.5	1568.1	1569.8	1571.4	1573.0	1571.4	1569.8	1568.1
162.5°	1582.1	1581.8	1581.5	1582.2	1583.8	1585.4	1587.1	1588.7	1587.1	1585.4	1583.8
165°	1603.0	1602.7	1602.4	1603.2	1604.8	1606.4	1608.0	1609.7	1608.0	1606.4	1604.8
167.5°	1618.3	1618.1	1617.9	1618.5	1620.2	1621.9	1623.6	1625.2	1623.6	1621.9	1620.2
170°	1626.2	1625.9	1625.6	1626.5	1628.3	1630.2	1632.2	1634.1	1632.2	1630.2	1628.3
172.5°	1632.6	1632.1	1631.6	1632.3	1634.2	1636.2	1638.0	1639.9	1638.0	1636.2	1634.2
175°	1639.6	1639.4	1639.1	1639.7	1641.3	1643.0	1644.6	1646.2	1644.6	1643.0	1641.3
177.5°	1643.9	1643.7	1643.4	1644.0	1645.3	1646.6	1647.8	1649.2	1647.8	1646.6	1645.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	9.1	9.5	9.6	10.6	10.1	10.7	11.0	11.0	11.3	11.6	11.5
90°	9.9	12.0	13.9	15.7	17.6	19.5	20.9	22.2	23.6	25.0	26.0
92.5°	12.7	12.8	14.5	16.1	17.8	19.5	20.9	22.2	23.6	25.0	25.8
95°	66.3	60.7	50.4	40.2	29.8	19.5	20.9	22.2	23.6	25.0	25.6
97.5°	151.1	141.6	121.2	100.9	80.4	60.0	52.4	44.8	37.1	29.4	25.6
100°	207.1	208.0	209.1	210.2	211.2	212.4	171.9	131.5	91.1	50.7	30.0
102.5°	267.5	268.3	269.0	269.7	270.2	270.9	263.3	255.6	248.0	240.3	227.2
105°	363.2	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.6	363.5
107.5°	457.9	458.2	458.7	459.2	459.8	460.3	460.3	460.4	460.5	460.5	460.1
110°	522.4	522.5	523.1	523.7	524.2	524.7	524.0	523.1	522.4	521.5	521.2



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	585.4	586.0	586.3	586.5	586.9	587.2	586.2	585.1	584.2	583.2	582.4
115°	679.1	679.9	680.1	680.4	680.7	681.0	679.9	678.8	677.7	676.7	675.2
117.5°	767.4	767.9	768.9	770.0	771.0	772.0	770.6	769.2	767.8	766.4	765.3
120°	825.1	825.4	826.1	827.0	827.8	828.6	828.1	827.6	827.0	826.4	825.5
122.5°	882.0	882.8	883.2	883.5	883.9	884.3	883.7	883.2	882.6	882.1	881.0
125°	965.5	966.5	966.5	966.5	966.5	966.5	965.4	964.3	963.3	962.1	961.2
127.5°	1039.8	1040.4	1040.2	1040.1	1039.9	1039.7	1039.2	1038.6	1037.9	1037.4	1036.0
130°	1086.7	1087.5	1087.8	1088.0	1088.3	1088.5	1087.8	1086.9	1086.1	1085.3	1084.2
132.5°	1134.3	1134.9	1134.3	1133.7	1133.1	1132.5	1132.4	1132.2	1132.0	1131.8	1131.1
135°	1201.3	1201.7	1201.3	1200.7	1200.1	1199.6	1199.1	1198.5	1198.0	1197.4	1196.4
137.5°	1261.6	1262.1	1261.6	1261.1	1260.7	1260.2	1260.3	1260.4	1260.5	1260.6	1259.9
140°	1298.2	1298.4	1298.1	1297.8	1297.5	1297.2	1297.8	1298.4	1298.8	1299.4	1298.8
142.5°	1333.4	1333.8	1334.2	1334.5	1334.9	1335.3	1335.4	1335.5	1335.7	1335.8	1335.0
145°	1387.2	1387.5	1387.5	1387.5	1387.5	1387.5	1387.8	1388.1	1388.4	1388.6	1388.0
147.5°	1431.1	1431.2	1431.4	1431.8	1432.1	1432.5	1432.8	1433.1	1433.4	1433.8	1432.9
150°	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1461.3	1461.9	1462.4	1462.9	1462.1
152.5°	1484.3	1483.9	1484.5	1485.1	1485.6	1486.1	1486.7	1487.2	1487.8	1488.3	1487.6
155°	1518.9	1518.4	1518.9	1519.5	1520.0	1520.6	1521.4	1522.2	1523.0	1523.8	1523.1
157.5°	1549.6	1549.2	1549.2	1549.3	1549.4	1549.4	1550.2	1551.1	1552.0	1552.8	1552.2
160°	1566.5	1565.8	1566.1	1566.4	1566.7	1567.0	1568.0	1569.1	1570.2	1571.3	1570.7
162.5°	1582.2	1581.5	1581.8	1582.1	1582.2	1582.5	1584.0	1585.5	1587.1	1588.7	1588.2
165°	1603.2	1602.4	1602.7	1603.0	1603.3	1603.5	1605.1	1606.8	1608.4	1610.1	1609.8
167.5°	1618.5	1617.9	1618.1	1618.3	1618.6	1618.9	1620.9	1622.9	1624.8	1626.7	1626.5
170°	1626.5	1625.6	1625.9	1626.2	1626.5	1626.7	1628.9	1631.1	1633.2	1635.4	1635.3
172.5°	1632.3	1631.6	1632.1	1632.6	1633.0	1633.5	1635.5	1637.5	1639.5	1641.3	1641.2
175°	1639.7	1639.1	1639.4	1639.6	1639.9	1640.1	1642.3	1644.5	1646.6	1648.8	1648.7
177.5°	1644.0	1643.4	1643.7	1643.9	1644.1	1644.3	1645.9	1647.4	1648.9	1650.4	1650.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	12.0	11.9	12.0	12.2	12.0	11.9	12.0	11.5	11.6	11.3	11.0
90°	26.9	27.6	28.5	29.3	28.5	27.6	26.9	26.0	25.0	23.6	22.2
92.5°	26.2	26.6	27.0	27.3	27.0	26.6	26.2	25.8	25.0	23.6	22.2
95°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.0	23.6	22.2
97.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	29.4	37.1	44.8
100°	28.8	27.8	26.7	25.6	26.7	27.8	28.8	30.0	50.7	91.1	131.5
102.5°	208.9	190.4	171.9	153.5	171.9	190.4	208.9	227.2	240.3	248.0	255.6
105°	363.3	363.0	362.7	362.4	362.7	363.0	363.3	363.5	363.6	363.6	363.6
107.5°	459.3	458.5	457.7	456.9	457.7	458.5	459.3	460.1	460.5	460.5	460.4
110°	521.5	521.8	522.1	522.4	522.1	521.8	521.5	521.2	521.5	522.4	523.1



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	582.0	581.6	581.3	580.9	581.3	581.6	582.0	582.4	583.2	584.2	585.1
115°	673.6	672.0	670.3	668.7	670.3	672.0	673.6	675.2	676.7	677.7	678.8
117.5°	764.6	763.9	763.2	762.5	763.2	763.9	764.6	765.3	766.4	767.8	769.2
120°	824.2	822.7	821.4	820.1	821.4	822.7	824.2	825.5	826.4	827.0	827.6
122.5°	879.5	877.9	876.3	874.8	876.3	877.9	879.5	881.0	882.1	882.6	883.2
125°	960.5	959.6	958.8	958.0	958.8	959.6	960.5	961.2	962.1	963.3	964.3
127.5°	1034.1	1032.1	1030.0	1028.0	1030.0	1032.1	1034.1	1036.0	1037.4	1037.9	1038.6
130°	1082.9	1081.5	1080.2	1078.8	1080.2	1081.5	1082.9	1084.2	1085.3	1086.1	1086.9
132.5°	1129.7	1128.4	1127.0	1125.7	1127.0	1128.4	1129.7	1131.1	1131.8	1132.0	1132.2
135°	1194.8	1193.1	1191.5	1189.9	1191.5	1193.1	1194.8	1196.4	1197.4	1198.0	1198.5
137.5°	1258.5	1257.1	1255.7	1254.2	1255.7	1257.1	1258.5	1259.9	1260.6	1260.5	1260.4
140°	1297.2	1295.6	1294.0	1292.3	1294.0	1295.6	1297.2	1298.8	1299.4	1298.8	1298.4
142.5°	1333.3	1331.7	1330.1	1328.5	1330.1	1331.7	1333.3	1335.0	1335.8	1335.7	1335.5
145°	1386.3	1384.7	1383.1	1381.5	1383.1	1384.7	1386.3	1388.0	1388.6	1388.4	1388.1
147.5°	1431.0	1429.0	1427.1	1425.1	1427.1	1429.0	1431.0	1432.9	1433.8	1433.4	1433.1
150°	1459.9	1457.7	1455.6	1453.4	1455.6	1457.7	1459.9	1462.1	1462.9	1462.4	1461.9
152.5°	1485.6	1483.8	1481.8	1479.8	1481.8	1483.8	1485.6	1487.6	1488.3	1487.8	1487.2
155°	1521.0	1518.8	1516.6	1514.5	1516.6	1518.8	1521.0	1523.1	1523.8	1523.0	1522.2
157.5°	1550.0	1547.8	1545.7	1543.5	1545.7	1547.8	1550.0	1552.2	1552.8	1552.0	1551.1
160°	1568.6	1566.4	1564.2	1562.1	1564.2	1566.4	1568.6	1570.7	1571.3	1570.2	1569.1
162.5°	1585.8	1583.4	1581.0	1578.7	1581.0	1583.4	1585.8	1588.2	1588.7	1587.1	1585.5
165°	1607.6	1605.4	1603.3	1601.1	1603.3	1605.4	1607.6	1609.8	1610.1	1608.4	1606.8
167.5°	1624.0	1621.6	1619.2	1616.7	1619.2	1621.6	1624.0	1626.5	1626.7	1624.8	1622.9
170°	1632.9	1630.4	1628.0	1625.5	1628.0	1630.4	1632.9	1635.3	1635.4	1633.2	1631.1
172.5°	1638.7	1636.3	1633.8	1631.4	1633.8	1636.3	1638.7	1641.2	1641.3	1639.5	1637.5
175°	1646.2	1643.8	1641.3	1638.9	1641.3	1643.8	1646.2	1648.7	1648.8	1646.6	1644.5
177.5°	1648.5	1646.8	1645.0	1643.3	1645.0	1646.8	1648.5	1650.3	1650.4	1648.9	1647.4
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	11.0	10.7	10.1	10.6	9.6	9.5	9.1	9.0	9.1	9.2	9.4
90°	20.9	19.5	17.6	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	20.9	19.5	17.8	16.1	14.5	12.8	12.7	14.2	15.7	17.2	18.8
95°	20.9	19.5	29.8	40.2	50.4	60.7	66.3	67.1	68.0	68.7	69.6
97.5°	52.4	60.0	80.4	100.9	121.2	141.6	151.1	149.6	148.2	146.7	145.2
100°	171.9	212.4	211.2	210.2	209.1	208.0	207.1	206.2	205.4	204.6	203.8
102.5°	263.3	270.9	270.2	269.7	269.0	268.3	267.5	266.5	265.4	264.4	263.3
105°	363.6	363.6	363.6	363.6	363.6	363.6	363.2	362.0	361.0	359.9	358.8
107.5°	460.3	460.3	459.8	459.2	458.7	458.2	457.9	457.9	457.9	457.9	457.9
110°	524.0	524.7	524.2	523.7	523.1	522.5	522.4	522.4	522.4	522.4	522.4



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	586.2	587.2	586.9	586.5	586.3	586.0	585.4	584.8	584.2	583.5	582.9
115°	679.9	681.0	680.7	680.4	680.1	679.9	679.1	677.7	676.4	675.0	673.6
117.5°	770.6	772.0	771.0	770.0	768.9	767.9	767.4	767.4	767.5	767.5	767.6
120°	828.1	828.6	827.8	827.0	826.1	825.4	825.1	825.4	825.7	826.0	826.1
122.5°	883.7	884.3	883.9	883.5	883.2	882.8	882.0	881.0	880.0	878.9	877.9
125°	965.4	966.5	966.5	966.5	966.5	966.5	965.5	963.7	961.8	959.9	958.0
127.5°	1039.2	1039.7	1039.9	1040.1	1040.2	1040.4	1039.8	1038.4	1037.1	1035.8	1034.3
130°	1087.8	1088.5	1088.3	1088.0	1087.8	1087.5	1086.7	1085.3	1083.9	1082.6	1081.2
132.5°	1132.4	1132.5	1133.1	1133.7	1134.3	1134.9	1134.3	1132.8	1131.2	1129.6	1128.1
135°	1199.1	1199.6	1200.1	1200.7	1201.3	1201.7	1201.3	1199.6	1198.0	1196.4	1194.8
137.5°	1260.3	1260.2	1260.7	1261.1	1261.6	1262.1	1261.6	1260.2	1258.8	1257.4	1256.0
140°	1297.8	1297.2	1297.5	1297.8	1298.1	1298.4	1298.2	1297.6	1297.1	1296.6	1296.0
142.5°	1335.4	1335.3	1334.9	1334.5	1334.2	1333.8	1333.4	1333.1	1332.8	1332.5	1332.1
145°	1387.8	1387.5	1387.5	1387.5	1387.5	1387.5	1387.2	1386.8	1386.2	1385.6	1385.1
147.5°	1432.8	1432.5	1432.1	1431.8	1431.4	1431.2	1431.1	1431.2	1431.3	1431.3	1431.4
150°	1461.3	1460.8	1460.2	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8
152.5°	1486.7	1486.1	1485.6	1485.1	1484.5	1483.9	1484.3	1485.5	1486.7	1487.9	1489.0
155°	1521.4	1520.6	1520.0	1519.5	1518.9	1518.4	1518.9	1520.6	1522.2	1523.8	1525.4
157.5°	1550.2	1549.4	1549.4	1549.3	1549.2	1549.2	1549.6	1550.6	1551.5	1552.6	1553.5
160°	1568.0	1567.0	1566.7	1566.4	1566.1	1565.8	1566.5	1568.1	1569.8	1571.4	1573.0
162.5°	1584.0	1582.5	1582.2	1582.1	1581.8	1581.5	1582.2	1583.8	1585.4	1587.1	1588.7
165°	1605.1	1603.5	1603.3	1603.0	1602.7	1602.4	1603.2	1604.8	1606.4	1608.0	1609.7
167.5°	1620.9	1618.9	1618.6	1618.3	1618.1	1617.9	1618.5	1620.2	1621.9	1623.6	1625.2
170°	1628.9	1626.7	1626.5	1626.2	1625.9	1625.6	1626.5	1628.3	1630.2	1632.2	1634.1
172.5°	1635.5	1633.5	1633.0	1632.6	1632.1	1631.6	1632.3	1634.2	1636.2	1638.0	1639.9
175°	1642.3	1640.1	1639.9	1639.6	1639.4	1639.1	1639.7	1641.3	1643.0	1644.6	1646.2
177.5°	1645.9	1644.3	1644.1	1643.9	1643.7	1643.4	1644.0	1645.3	1646.6	1647.8	1649.2
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



TEST NUMBER: P333672-830

CATALOG NUMBER: S125RDIW-S610D1340U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.5	9.1	8.1	8.9	9.2	9.3	9.7	9.8	9.9	10.2	10.5
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.7	17.6	19.5	20.9	22.2
92.5°	17.2	15.7	14.2	12.7	12.8	14.5	16.1	17.8	19.5	20.9	22.2
95°	68.7	68.0	67.1	66.3	60.7	50.4	40.2	29.8	19.5	20.9	22.2
97.5°	146.7	148.2	149.6	151.1	141.6	121.2	100.9	80.4	60.0	52.4	44.8
100°	204.6	205.4	206.2	207.1	208.0	209.1	210.2	211.2	212.4	171.9	131.5
102.5°	264.4	265.4	266.5	267.5	268.3	269.0	269.7	270.2	270.9	263.3	255.6
105°	359.9	361.0	362.0	363.2	363.6	363.6	363.6	363.6	363.6	363.6	363.6
107.5°	457.9	457.9	457.9	457.9	458.2	458.7	459.2	459.8	460.3	460.3	460.4
110°	522.4	522.4	522.4	522.4	522.5	523.1	523.7	524.2	524.7	524.0	523.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	583.5	584.2	584.8	585.4	586.0	586.3	586.5	586.9	587.2	586.2	585.1
115°	675.0	676.4	677.7	679.1	679.9	680.1	680.4	680.7	681.0	679.9	678.8
117.5°	767.5	767.5	767.4	767.4	767.9	768.9	770.0	771.0	772.0	770.6	769.2
120°	826.0	825.7	825.4	825.1	825.4	826.1	827.0	827.8	828.6	828.1	827.6
122.5°	878.9	880.0	881.0	882.0	882.8	883.2	883.5	883.9	884.3	883.7	883.2
125°	959.9	961.8	963.7	965.5	966.5	966.5	966.5	966.5	966.5	965.4	964.3
127.5°	1035.8	1037.1	1038.4	1039.8	1040.4	1040.2	1040.1	1039.9	1039.7	1039.2	1038.6
130°	1082.6	1083.9	1085.3	1086.7	1087.5	1087.8	1088.0	1088.3	1088.5	1087.8	1086.9
132.5°	1129.6	1131.2	1132.8	1134.3	1134.9	1134.3	1133.7	1133.1	1132.5	1132.4	1132.2
135°	1196.4	1198.0	1199.6	1201.3	1201.7	1201.3	1200.7	1200.1	1199.6	1199.1	1198.5
137.5°	1257.4	1258.8	1260.2	1261.6	1262.1	1261.6	1261.1	1260.7	1260.2	1260.3	1260.4
140°	1296.6	1297.1	1297.6	1298.2	1298.4	1298.1	1297.8	1297.5	1297.2	1297.8	1298.4
142.5°	1332.5	1332.8	1333.1	1333.4	1333.8	1334.2	1334.5	1334.9	1335.3	1335.4	1335.5
145°	1385.6	1386.2	1386.8	1387.2	1387.5	1387.5	1387.5	1387.5	1387.5	1387.8	1388.1
147.5°	1431.3	1431.3	1431.2	1431.1	1431.2	1431.4	1431.8	1432.1	1432.5	1432.8	1433.1
150°	1460.2	1459.7	1459.2	1458.6	1458.6	1459.2	1459.7	1460.2	1460.8	1461.3	1461.9
152.5°	1487.9	1486.7	1485.5	1484.3	1483.9	1484.5	1485.1	1485.6	1486.1	1486.7	1487.2
155°	1523.8	1522.2	1520.6	1518.9	1518.4	1518.9	1519.5	1520.0	1520.6	1521.4	1522.2
157.5°	1552.6	1551.5	1550.6	1549.6	1549.2	1549.2	1549.3	1549.4	1549.4	1550.2	1551.1
160°	1571.4	1569.8	1568.1	1566.5	1565.8	1566.1	1566.4	1566.7	1567.0	1568.0	1569.1
162.5°	1587.1	1585.4	1583.8	1582.2	1581.5	1581.8	1582.1	1582.2	1582.5	1584.0	1585.5
165°	1608.0	1606.4	1604.8	1603.2	1602.4	1602.7	1603.0	1603.3	1603.5	1605.1	1606.8
167.5°	1623.6	1621.9	1620.2	1618.5	1617.9	1618.1	1618.3	1618.6	1618.9	1620.9	1622.9
170°	1632.2	1630.2	1628.3	1626.5	1625.6	1625.9	1626.2	1626.5	1626.7	1628.9	1631.1
172.5°	1638.0	1636.2	1634.2	1632.3	1631.6	1632.1	1632.6	1633.0	1633.5	1635.5	1637.5
175°	1644.6	1643.0	1641.3	1639.7	1639.1	1639.4	1639.6	1639.9	1640.1	1642.3	1644.5
177.5°	1647.8	1646.6	1645.3	1644.0	1643.4	1643.7	1643.9	1644.1	1644.3	1645.9	1647.4
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	11.0	11.6	11.2	11.1	11.2	11.7	12.2
90°	23.6	25.0	26.0	26.9	27.6	28.5	29.3
92.5°	23.6	25.0	25.8	26.2	26.6	27.0	27.3
95°	23.6	25.0	25.6	25.6	25.6	25.6	25.6
97.5°	37.1	29.4	25.6	25.6	25.6	25.6	25.6
100°	91.1	50.7	30.0	28.8	27.8	26.7	25.6
102.5°	248.0	240.3	227.2	208.9	190.4	171.9	153.5
105°	363.6	363.6	363.5	363.3	363.0	362.7	362.4
107.5°	460.5	460.5	460.1	459.3	458.5	457.7	456.9
110°	522.4	521.5	521.2	521.5	521.8	522.1	522.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	584.2	583.2	582.4	582.0	581.6	581.3	580.9
115°	677.7	676.7	675.2	673.6	672.0	670.3	668.7
117.5°	767.8	766.4	765.3	764.6	763.9	763.2	762.5
120°	827.0	826.4	825.5	824.2	822.7	821.4	820.1
122.5°	882.6	882.1	881.0	879.5	877.9	876.3	874.8
125°	963.3	962.1	961.2	960.5	959.6	958.8	958.0
127.5°	1037.9	1037.4	1036.0	1034.1	1032.1	1030.0	1028.0
130°	1086.1	1085.3	1084.2	1082.9	1081.5	1080.2	1078.8
132.5°	1132.0	1131.8	1131.1	1129.7	1128.4	1127.0	1125.7
135°	1198.0	1197.4	1196.4	1194.8	1193.1	1191.5	1189.9
137.5°	1260.5	1260.6	1259.9	1258.5	1257.1	1255.7	1254.2
140°	1298.8	1299.4	1298.8	1297.2	1295.6	1294.0	1292.3
142.5°	1335.7	1335.8	1335.0	1333.3	1331.7	1330.1	1328.5
145°	1388.4	1388.6	1388.0	1386.3	1384.7	1383.1	1381.5
147.5°	1433.4	1433.8	1432.9	1431.0	1429.0	1427.1	1425.1
150°	1462.4	1462.9	1462.1	1459.9	1457.7	1455.6	1453.4
152.5°	1487.8	1488.3	1487.6	1485.6	1483.8	1481.8	1479.8
155°	1523.0	1523.8	1523.1	1521.0	1518.8	1516.6	1514.5
157.5°	1552.0	1552.8	1552.2	1550.0	1547.8	1545.7	1543.5
160°	1570.2	1571.3	1570.7	1568.6	1566.4	1564.2	1562.1
162.5°	1587.1	1588.7	1588.2	1585.8	1583.4	1581.0	1578.7
165°	1608.4	1610.1	1609.8	1607.6	1605.4	1603.3	1601.1
167.5°	1624.8	1626.7	1626.5	1624.0	1621.6	1619.2	1616.7
170°	1633.2	1635.4	1635.3	1632.9	1630.4	1628.0	1625.5
172.5°	1639.5	1641.3	1641.2	1638.7	1636.3	1633.8	1631.4
175°	1646.6	1648.8	1648.7	1646.2	1643.8	1641.3	1638.9
177.5°	1648.9	1650.4	1650.3	1648.5	1646.8	1645.0	1643.3
180°	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2	1646.2

(END OF REPORT)