

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: P333574-830

Luminaire Tested: **S125RDIP-S850D1205U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333574-830
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: S125RDIP-S850D1205U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7629.7 lumens
Efficiency: N/A
Efficacy: 134.1 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: General Diffuse

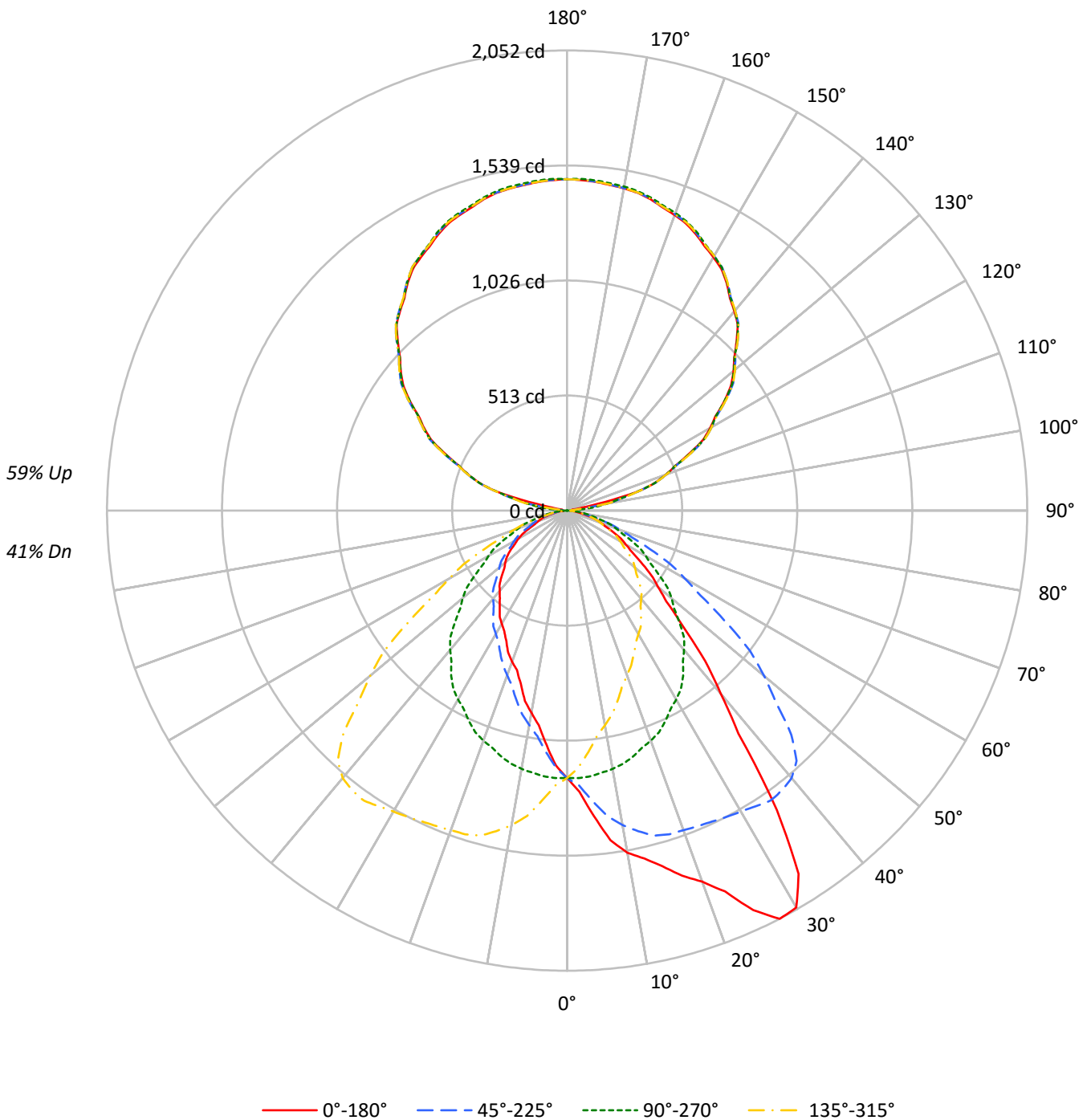
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	42	42	41	35
2	88	81	75	70	80	74	69	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	34	32	30	25
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19
6	62	50	43	37	56	46	39	34	39	33	30	32	28	25	25	22	20	17
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14
9	49	38	30	25	45	35	28	24	29	24	21	24	20	18	19	16	14	12
10	46	34	27	23	42	32	26	21	27	22	19	22	18	16	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.5
10°-20°	335.0	4.4
20°-30°	531.2	7.0
30°-40°	640.6	8.4
40°-50°	572.1	7.5
50°-60°	438.7	5.8
60°-70°	285.1	3.7
70°-80°	138.6	1.8
80°-90°	36.2	0.5
90°-100°	53.7	0.7
100°-110°	330.9	4.3
110°-120°	600.2	7.9
120°-130°	770.3	10.1
130°-140°	828.6	10.9
140°-150°	777.7	10.2
150°-160°	629.1	8.2
160°-170°	406.9	5.3
170°-180°	140.3	1.8
0°-30°	980.6	12.9
0°-40°	1621.2	21.2
0°-60°	2632.0	34.5
0°-90°	3091.9	40.5
90°-120°	984.9	12.9
90°-150°	3361.5	44.1
90°-180°	4538.0	59.5
0°-180°	7629.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	27
90°	26	1	26	1	26	12
95°	23	62	23	62	23	19
105°	325	322	325	322	325	294
115°	600	605	600	605	600	596
125°	860	860	860	860	860	765
135°	1068	1072	1068	1072	1068	824
145°	1240	1243	1240	1243	1240	775
155°	1359	1369	1359	1369	1359	627
165°	1437	1445	1437	1445	1437	406
175°	1471	1478	1471	1478	1471	140
180°	1478	1478	1478	1478	1478	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	13.9	13.3	12.8	12.6	12.9	13.5	12.8	12.3	12.0	11.7	11.8
90°	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0	18.8	17.5	15.8
92.5°	24.5	24.2	23.8	23.5	23.2	22.4	21.2	20.0	18.8	17.5	16.0
95°	23.0	23.0	23.0	23.0	23.0	22.4	21.2	20.0	18.8	17.5	26.8
97.5°	23.0	23.0	23.0	23.0	23.0	26.4	33.3	40.2	47.0	53.9	72.2
100°	23.0	23.9	25.0	25.9	26.9	45.5	81.8	118.1	154.3	190.6	189.6
102.5°	137.8	154.4	170.9	187.5	204.1	215.7	222.6	229.4	236.3	243.2	242.6
105°	325.4	325.6	325.8	326.0	326.3	326.4	326.4	326.4	326.4	326.4	326.4
107.5°	410.1	410.9	411.6	412.3	413.0	413.4	413.3	413.3	413.2	413.2	412.7
110°	468.8	468.6	468.3	468.1	467.9	468.1	468.8	469.6	470.3	471.0	470.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	521.4	521.8	522.1	522.5	522.7	523.4	524.3	525.3	526.2	527.1	526.8
115°	600.3	601.7	603.2	604.6	606.1	607.4	608.3	609.3	610.3	611.2	611.0
117.5°	684.4	685.0	685.7	686.3	686.9	687.9	689.2	690.4	691.7	693.0	692.0
120°	736.1	737.4	738.6	739.8	741.0	741.9	742.3	742.8	743.3	743.8	743.0
122.5°	785.2	786.6	788.0	789.4	790.8	791.8	792.3	792.8	793.2	793.7	793.4
125°	859.9	860.6	861.4	862.0	862.8	863.7	864.6	865.6	866.6	867.5	867.5
127.5°	922.7	924.5	926.3	928.2	930.0	931.1	931.7	932.2	932.7	933.3	933.4
130°	968.4	969.6	970.8	971.9	973.2	974.2	974.9	975.6	976.4	977.1	976.9
132.5°	1010.4	1011.6	1012.9	1014.1	1015.3	1016.0	1016.1	1016.2	1016.4	1016.5	1017.1
135°	1068.0	1069.5	1070.9	1072.4	1073.8	1074.9	1075.3	1075.8	1076.3	1076.8	1077.2
137.5°	1125.9	1127.1	1128.4	1129.6	1131.0	1131.5	1131.4	1131.3	1131.2	1131.1	1131.5
140°	1160.1	1161.5	1163.0	1164.4	1165.8	1166.4	1165.8	1165.4	1164.9	1164.4	1164.7
142.5°	1192.5	1193.9	1195.4	1196.8	1198.3	1199.0	1198.9	1198.8	1198.7	1198.6	1198.3
145°	1240.0	1241.4	1242.9	1244.3	1245.9	1246.4	1246.2	1245.9	1245.8	1245.5	1245.5
147.5°	1279.2	1281.0	1282.7	1284.5	1286.2	1286.9	1286.7	1286.4	1286.1	1285.8	1285.5
150°	1304.7	1306.6	1308.5	1310.5	1312.4	1313.2	1312.7	1312.2	1311.6	1311.2	1310.7
152.5°	1328.3	1330.0	1331.8	1333.5	1335.3	1336.0	1335.5	1334.9	1334.5	1334.0	1333.5
155°	1359.4	1361.3	1363.3	1365.3	1367.2	1367.8	1367.1	1366.3	1365.6	1364.9	1364.4
157.5°	1385.4	1387.4	1389.4	1391.3	1393.3	1393.8	1393.1	1392.3	1391.5	1390.7	1390.7
160°	1402.1	1404.1	1406.0	1408.0	1409.9	1410.4	1409.4	1408.4	1407.5	1406.5	1406.3
162.5°	1417.0	1419.2	1421.3	1423.4	1425.6	1426.0	1424.7	1423.2	1421.9	1420.5	1420.3
165°	1437.2	1439.1	1441.1	1443.0	1444.9	1445.2	1443.8	1442.3	1440.9	1439.4	1439.1
167.5°	1451.2	1453.4	1455.6	1457.7	1460.0	1460.2	1458.4	1456.7	1454.9	1453.2	1452.9
170°	1459.1	1461.3	1463.5	1465.7	1467.8	1468.0	1466.0	1464.1	1462.2	1460.2	1459.9
172.5°	1464.3	1466.5	1468.8	1470.9	1473.1	1473.3	1471.6	1469.8	1468.1	1466.3	1465.8
175°	1471.1	1473.3	1475.6	1477.7	1479.9	1480.0	1478.1	1476.1	1474.1	1472.3	1472.0
177.5°	1475.1	1476.6	1478.2	1479.8	1481.3	1481.4	1480.1	1478.7	1477.3	1475.9	1475.7
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	11.9	11.5	11.5	11.2	10.4	12.0	12.7	12.7	12.3	12.0	11.6
90°	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1	3.0	5.0	7.0
92.5°	14.5	13.0	11.5	11.4	12.8	14.1	15.6	16.9	15.6	14.1	12.8
95°	36.0	45.2	54.6	59.5	60.2	61.0	61.7	62.4	61.7	61.0	60.2
97.5°	90.5	108.8	127.1	135.6	134.3	133.0	131.7	130.4	131.7	133.0	134.3
100°	188.7	187.7	186.7	185.9	185.1	184.4	183.7	182.9	183.7	184.4	185.1
102.5°	242.0	241.4	240.8	240.1	239.1	238.3	237.3	236.4	237.3	238.3	239.1
105°	326.4	326.4	326.4	325.9	325.0	324.0	323.0	322.1	323.0	324.0	325.0
107.5°	412.2	411.7	411.2	411.0	411.0	411.0	411.0	411.0	411.0	411.0	411.0
110°	470.0	469.6	469.1	468.8	468.8	468.8	468.8	468.8	468.8	468.8	468.8



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	526.5	526.2	525.9	525.5	524.9	524.3	523.8	523.2	523.8	524.3	524.9
115°	610.8	610.5	610.3	609.5	608.3	607.1	605.9	604.6	605.9	607.1	608.3
117.5°	691.1	690.2	689.3	688.8	688.9	688.9	689.0	689.0	689.0	688.9	688.9
120°	742.3	741.6	740.8	740.6	740.8	741.1	741.3	741.6	741.3	741.1	740.8
122.5°	793.1	792.7	792.4	791.7	790.8	789.9	789.0	788.1	789.0	789.9	790.8
125°	867.5	867.5	867.5	866.7	865.0	863.3	861.6	859.9	861.6	863.3	865.0
127.5°	933.6	933.7	933.9	933.3	932.1	930.9	929.7	928.5	929.7	930.9	932.1
130°	976.7	976.4	976.1	975.4	974.2	973.0	971.8	970.5	971.8	973.0	974.2
132.5°	1017.6	1018.1	1018.7	1018.2	1016.8	1015.4	1014.0	1012.6	1014.0	1015.4	1016.8
135°	1077.8	1078.3	1078.7	1078.3	1076.8	1075.3	1073.8	1072.4	1073.8	1075.3	1076.8
137.5°	1132.0	1132.5	1132.8	1132.5	1131.1	1129.9	1128.7	1127.4	1128.7	1129.9	1131.1
140°	1164.9	1165.2	1165.4	1165.3	1164.8	1164.3	1163.9	1163.3	1163.9	1164.3	1164.8
142.5°	1197.9	1197.6	1197.2	1196.9	1196.7	1196.4	1196.0	1195.7	1196.0	1196.4	1196.7
145°	1245.5	1245.5	1245.5	1245.2	1244.7	1244.3	1243.8	1243.3	1243.8	1244.3	1244.7
147.5°	1285.2	1284.9	1284.6	1284.5	1284.6	1284.7	1284.8	1284.9	1284.8	1284.7	1284.6
150°	1310.2	1309.8	1309.3	1309.3	1309.8	1310.2	1310.7	1311.2	1310.7	1310.2	1309.8
152.5°	1333.0	1332.6	1332.0	1332.3	1333.4	1334.5	1335.6	1336.6	1335.6	1334.5	1333.4
155°	1363.9	1363.4	1362.9	1363.4	1364.9	1366.3	1367.8	1369.2	1367.8	1366.3	1364.9
157.5°	1390.6	1390.6	1390.5	1390.9	1391.9	1392.7	1393.5	1394.5	1393.5	1392.7	1391.9
160°	1406.0	1405.8	1405.5	1406.2	1407.6	1409.1	1410.5	1412.0	1410.5	1409.1	1407.6
162.5°	1420.0	1419.8	1419.6	1420.1	1421.6	1423.1	1424.6	1426.0	1424.6	1423.1	1421.6
165°	1438.9	1438.6	1438.4	1439.0	1440.5	1441.9	1443.4	1444.8	1443.4	1441.9	1440.5
167.5°	1452.6	1452.5	1452.2	1452.8	1454.3	1455.9	1457.4	1458.9	1457.4	1455.9	1454.3
170°	1459.7	1459.4	1459.2	1459.9	1461.6	1463.3	1465.1	1466.8	1465.1	1463.3	1461.6
172.5°	1465.5	1465.0	1464.5	1465.2	1466.9	1468.6	1470.3	1472.0	1470.3	1468.6	1466.9
175°	1471.8	1471.5	1471.2	1471.9	1473.3	1474.8	1476.2	1477.7	1476.2	1474.8	1473.3
177.5°	1475.6	1475.4	1475.2	1475.6	1476.9	1478.0	1479.1	1480.4	1479.1	1478.0	1476.9
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	11.6	12.0	11.9	13.0	12.2	12.9	13.1	13.0	13.2	13.5	13.3
90°	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0	21.2	22.4	23.4
92.5°	11.4	11.5	13.0	14.5	16.0	17.5	18.8	20.0	21.2	22.4	23.2
95°	59.5	54.6	45.2	36.0	26.8	17.5	18.8	20.0	21.2	22.4	23.0
97.5°	135.6	127.1	108.8	90.5	72.2	53.9	47.0	40.2	33.3	26.4	23.0
100°	185.9	186.7	187.7	188.7	189.6	190.6	154.3	118.1	81.8	45.5	26.9
102.5°	240.1	240.8	241.4	242.0	242.6	243.2	236.3	229.4	222.6	215.7	204.1
105°	325.9	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.3
107.5°	411.0	411.2	411.7	412.2	412.7	413.2	413.2	413.3	413.3	413.4	413.0
110°	468.8	469.1	469.6	470.0	470.5	471.0	470.3	469.6	468.8	468.1	467.9



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	525.5	525.9	526.2	526.5	526.8	527.1	526.2	525.3	524.3	523.4	522.7
115°	609.5	610.3	610.5	610.8	611.0	611.2	610.3	609.3	608.3	607.4	606.1
117.5°	688.8	689.3	690.2	691.1	692.0	693.0	691.7	690.4	689.2	687.9	686.9
120°	740.6	740.8	741.6	742.3	743.0	743.8	743.3	742.8	742.3	741.9	741.0
122.5°	791.7	792.4	792.7	793.1	793.4	793.7	793.2	792.8	792.3	791.8	790.8
125°	866.7	867.5	867.5	867.5	867.5	867.5	866.6	865.6	864.6	863.7	862.8
127.5°	933.3	933.9	933.7	933.6	933.4	933.3	932.7	932.2	931.7	931.1	930.0
130°	975.4	976.1	976.4	976.7	976.9	977.1	976.4	975.6	974.9	974.2	973.2
132.5°	1018.2	1018.7	1018.1	1017.6	1017.1	1016.5	1016.4	1016.2	1016.1	1016.0	1015.3
135°	1078.3	1078.7	1078.3	1077.8	1077.2	1076.8	1076.3	1075.8	1075.3	1074.9	1073.8
137.5°	1132.5	1132.8	1132.5	1132.0	1131.5	1131.1	1131.2	1131.3	1131.4	1131.5	1131.0
140°	1165.3	1165.4	1165.2	1164.9	1164.7	1164.4	1164.9	1165.4	1165.8	1166.4	1165.8
142.5°	1196.9	1197.2	1197.6	1197.9	1198.3	1198.6	1198.7	1198.8	1198.9	1199.0	1198.3
145°	1245.2	1245.5	1245.5	1245.5	1245.5	1245.5	1245.8	1245.9	1246.2	1246.4	1245.9
147.5°	1284.5	1284.6	1284.9	1285.2	1285.5	1285.8	1286.1	1286.4	1286.7	1286.9	1286.2
150°	1309.3	1309.3	1309.8	1310.2	1310.7	1311.2	1311.6	1312.2	1312.7	1313.2	1312.4
152.5°	1332.3	1332.0	1332.6	1333.0	1333.5	1334.0	1334.5	1334.9	1335.5	1336.0	1335.3
155°	1363.4	1362.9	1363.4	1363.9	1364.4	1364.9	1365.6	1366.3	1367.1	1367.8	1367.2
157.5°	1390.9	1390.5	1390.6	1390.6	1390.7	1390.7	1391.5	1392.3	1393.1	1393.8	1393.3
160°	1406.2	1405.5	1405.8	1406.0	1406.3	1406.5	1407.5	1408.4	1409.4	1410.4	1409.9
162.5°	1420.1	1419.6	1419.8	1420.0	1420.3	1420.5	1421.9	1423.2	1424.7	1426.0	1425.6
165°	1439.0	1438.4	1438.6	1438.9	1439.1	1439.4	1440.9	1442.3	1443.8	1445.2	1444.9
167.5°	1452.8	1452.2	1452.5	1452.6	1452.9	1453.2	1454.9	1456.7	1458.4	1460.2	1460.0
170°	1459.9	1459.2	1459.4	1459.7	1459.9	1460.2	1462.2	1464.1	1466.0	1468.0	1467.8
172.5°	1465.2	1464.5	1465.0	1465.5	1465.8	1466.3	1468.1	1469.8	1471.6	1473.3	1473.1
175°	1471.9	1471.2	1471.5	1471.8	1472.0	1472.3	1474.1	1476.1	1478.1	1480.0	1479.9
177.5°	1475.6	1475.2	1475.4	1475.6	1475.7	1475.9	1477.3	1478.7	1480.1	1481.4	1481.3
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	13.9	13.6	13.8	13.9	13.8	13.6	13.9	13.3	13.5	13.2	13.0
90°	24.1	24.8	25.5	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0
92.5°	23.5	23.8	24.2	24.5	24.2	23.8	23.5	23.2	22.4	21.2	20.0
95°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.4	21.2	20.0
97.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	26.4	33.3	40.2
100°	25.9	25.0	23.9	23.0	23.9	25.0	25.9	26.9	45.5	81.8	118.1
102.5°	187.5	170.9	154.4	137.8	154.4	170.9	187.5	204.1	215.7	222.6	229.4
105°	326.0	325.8	325.6	325.4	325.6	325.8	326.0	326.3	326.4	326.4	326.4
107.5°	412.3	411.6	410.9	410.1	410.9	411.6	412.3	413.0	413.4	413.3	413.3
110°	468.1	468.3	468.6	468.8	468.6	468.3	468.1	467.9	468.1	468.8	469.6



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	522.5	522.1	521.8	521.4	521.8	522.1	522.5	522.7	523.4	524.3	525.3
115°	604.6	603.2	601.7	600.3	601.7	603.2	604.6	606.1	607.4	608.3	609.3
117.5°	686.3	685.7	685.0	684.4	685.0	685.7	686.3	686.9	687.9	689.2	690.4
120°	739.8	738.6	737.4	736.1	737.4	738.6	739.8	741.0	741.9	742.3	742.8
122.5°	789.4	788.0	786.6	785.2	786.6	788.0	789.4	790.8	791.8	792.3	792.8
125°	862.0	861.4	860.6	859.9	860.6	861.4	862.0	862.8	863.7	864.6	865.6
127.5°	928.2	926.3	924.5	922.7	924.5	926.3	928.2	930.0	931.1	931.7	932.2
130°	971.9	970.8	969.6	968.4	969.6	970.8	971.9	973.2	974.2	974.9	975.6
132.5°	1014.1	1012.9	1011.6	1010.4	1011.6	1012.9	1014.1	1015.3	1016.0	1016.1	1016.2
135°	1072.4	1070.9	1069.5	1068.0	1069.5	1070.9	1072.4	1073.8	1074.9	1075.3	1075.8
137.5°	1129.6	1128.4	1127.1	1125.9	1127.1	1128.4	1129.6	1131.0	1131.5	1131.4	1131.3
140°	1164.4	1163.0	1161.5	1160.1	1161.5	1163.0	1164.4	1165.8	1166.4	1165.8	1165.4
142.5°	1196.8	1195.4	1193.9	1192.5	1193.9	1195.4	1196.8	1198.3	1199.0	1198.9	1198.8
145°	1244.3	1242.9	1241.4	1240.0	1241.4	1242.9	1244.3	1245.9	1246.4	1246.2	1245.9
147.5°	1284.5	1282.7	1281.0	1279.2	1281.0	1282.7	1284.5	1286.2	1286.9	1286.7	1286.4
150°	1310.5	1308.5	1306.6	1304.7	1306.6	1308.5	1310.5	1312.4	1313.2	1312.7	1312.2
152.5°	1333.5	1331.8	1330.0	1328.3	1330.0	1331.8	1333.5	1335.3	1336.0	1335.5	1334.9
155°	1365.3	1363.3	1361.3	1359.4	1361.3	1363.3	1365.3	1367.2	1367.8	1367.1	1366.3
157.5°	1391.3	1389.4	1387.4	1385.4	1387.4	1389.4	1391.3	1393.3	1393.8	1393.1	1392.3
160°	1408.0	1406.0	1404.1	1402.1	1404.1	1406.0	1408.0	1409.9	1410.4	1409.4	1408.4
162.5°	1423.4	1421.3	1419.2	1417.0	1419.2	1421.3	1423.4	1425.6	1426.0	1424.7	1423.2
165°	1443.0	1441.1	1439.1	1437.2	1439.1	1441.1	1443.0	1444.9	1445.2	1443.8	1442.3
167.5°	1457.7	1455.6	1453.4	1451.2	1453.4	1455.6	1457.7	1460.0	1460.2	1458.4	1456.7
170°	1465.7	1463.5	1461.3	1459.1	1461.3	1463.5	1465.7	1467.8	1468.0	1466.0	1464.1
172.5°	1470.9	1468.8	1466.5	1464.3	1466.5	1468.8	1470.9	1473.1	1473.3	1471.6	1469.8
175°	1477.7	1475.6	1473.3	1471.1	1473.3	1475.6	1477.7	1479.9	1480.0	1478.1	1476.1
177.5°	1479.8	1478.2	1476.6	1475.1	1476.6	1478.2	1479.8	1481.3	1481.4	1480.1	1478.7
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	13.1	12.9	12.2	13.0	11.9	12.0	11.6	11.6	12.0	12.3	12.7
90°	18.8	17.5	15.8	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1
92.5°	18.8	17.5	16.0	14.5	13.0	11.5	11.4	12.8	14.1	15.6	16.9
95°	18.8	17.5	26.8	36.0	45.2	54.6	59.5	60.2	61.0	61.7	62.4
97.5°	47.0	53.9	72.2	90.5	108.8	127.1	135.6	134.3	133.0	131.7	130.4
100°	154.3	190.6	189.6	188.7	187.7	186.7	185.9	185.1	184.4	183.7	182.9
102.5°	236.3	243.2	242.6	242.0	241.4	240.8	240.1	239.1	238.3	237.3	236.4
105°	326.4	326.4	326.4	326.4	326.4	326.4	325.9	325.0	324.0	323.0	322.1
107.5°	413.2	413.2	412.7	412.2	411.7	411.2	411.0	411.0	411.0	411.0	411.0
110°	470.3	471.0	470.5	470.0	469.6	469.1	468.8	468.8	468.8	468.8	468.8



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	526.2	527.1	526.8	526.5	526.2	525.9	525.5	524.9	524.3	523.8	523.2
115°	610.3	611.2	611.0	610.8	610.5	610.3	609.5	608.3	607.1	605.9	604.6
117.5°	691.7	693.0	692.0	691.1	690.2	689.3	688.8	688.9	688.9	689.0	689.0
120°	743.3	743.8	743.0	742.3	741.6	740.8	740.6	740.8	741.1	741.3	741.6
122.5°	793.2	793.7	793.4	793.1	792.7	792.4	791.7	790.8	789.9	789.0	788.1
125°	866.6	867.5	867.5	867.5	867.5	867.5	866.7	865.0	863.3	861.6	859.9
127.5°	932.7	933.3	933.4	933.6	933.7	933.9	933.3	932.1	930.9	929.7	928.5
130°	976.4	977.1	976.9	976.7	976.4	976.1	975.4	974.2	973.0	971.8	970.5
132.5°	1016.4	1016.5	1017.1	1017.6	1018.1	1018.7	1018.2	1016.8	1015.4	1014.0	1012.6
135°	1076.3	1076.8	1077.2	1077.8	1078.3	1078.7	1078.3	1076.8	1075.3	1073.8	1072.4
137.5°	1131.2	1131.1	1131.5	1132.0	1132.5	1132.8	1132.5	1131.1	1129.9	1128.7	1127.4
140°	1164.9	1164.4	1164.7	1164.9	1165.2	1165.4	1165.3	1164.8	1164.3	1163.9	1163.3
142.5°	1198.7	1198.6	1198.3	1197.9	1197.6	1197.2	1196.9	1196.7	1196.4	1196.0	1195.7
145°	1245.8	1245.5	1245.5	1245.5	1245.5	1245.5	1245.2	1244.7	1244.3	1243.8	1243.3
147.5°	1286.1	1285.8	1285.5	1285.2	1284.9	1284.6	1284.5	1284.6	1284.7	1284.8	1284.9
150°	1311.6	1311.2	1310.7	1310.2	1309.8	1309.3	1309.3	1309.8	1310.2	1310.7	1311.2
152.5°	1334.5	1334.0	1333.5	1333.0	1332.6	1332.0	1332.3	1333.4	1334.5	1335.6	1336.6
155°	1365.6	1364.9	1364.4	1363.9	1363.4	1362.9	1363.4	1364.9	1366.3	1367.8	1369.2
157.5°	1391.5	1390.7	1390.7	1390.6	1390.6	1390.5	1390.9	1391.9	1392.7	1393.5	1394.5
160°	1407.5	1406.5	1406.3	1406.0	1405.8	1405.5	1406.2	1407.6	1409.1	1410.5	1412.0
162.5°	1421.9	1420.5	1420.3	1420.0	1419.8	1419.6	1420.1	1421.6	1423.1	1424.6	1426.0
165°	1440.9	1439.4	1439.1	1438.9	1438.6	1438.4	1439.0	1440.5	1441.9	1443.4	1444.8
167.5°	1454.9	1453.2	1452.9	1452.6	1452.5	1452.2	1452.8	1454.3	1455.9	1457.4	1458.9
170°	1462.2	1460.2	1459.9	1459.7	1459.4	1459.2	1459.9	1461.6	1463.3	1465.1	1466.8
172.5°	1468.1	1466.3	1465.8	1465.5	1465.0	1464.5	1465.2	1466.9	1468.6	1470.3	1472.0
175°	1474.1	1472.3	1472.0	1471.8	1471.5	1471.2	1471.9	1473.3	1474.8	1476.2	1477.7
177.5°	1477.3	1475.9	1475.7	1475.6	1475.4	1475.2	1475.6	1476.9	1478.0	1479.1	1480.4
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



TEST NUMBER: P333574-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.7	12.0	10.4	11.2	11.5	11.5	11.9	11.8	11.7	12.0	12.3
90°	3.0	5.0	7.0	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0
92.5°	15.6	14.1	12.8	11.4	11.5	13.0	14.5	16.0	17.5	18.8	20.0
95°	61.7	61.0	60.2	59.5	54.6	45.2	36.0	26.8	17.5	18.8	20.0
97.5°	131.7	133.0	134.3	135.6	127.1	108.8	90.5	72.2	53.9	47.0	40.2
100°	183.7	184.4	185.1	185.9	186.7	187.7	188.7	189.6	190.6	154.3	118.1
102.5°	237.3	238.3	239.1	240.1	240.8	241.4	242.0	242.6	243.2	236.3	229.4
105°	323.0	324.0	325.0	325.9	326.4	326.4	326.4	326.4	326.4	326.4	326.4
107.5°	411.0	411.0	411.0	411.0	411.2	411.7	412.2	412.7	413.2	413.2	413.3
110°	468.8	468.8	468.8	468.8	469.1	469.6	470.0	470.5	471.0	470.3	469.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	523.8	524.3	524.9	525.5	525.9	526.2	526.5	526.8	527.1	526.2	525.3
115°	605.9	607.1	608.3	609.5	610.3	610.5	610.8	611.0	611.2	610.3	609.3
117.5°	689.0	688.9	688.9	688.8	689.3	690.2	691.1	692.0	693.0	691.7	690.4
120°	741.3	741.1	740.8	740.6	740.8	741.6	742.3	743.0	743.8	743.3	742.8
122.5°	789.0	789.9	790.8	791.7	792.4	792.7	793.1	793.4	793.7	793.2	792.8
125°	861.6	863.3	865.0	866.7	867.5	867.5	867.5	867.5	867.5	866.6	865.6
127.5°	929.7	930.9	932.1	933.3	933.9	933.7	933.6	933.4	933.3	932.7	932.2
130°	971.8	973.0	974.2	975.4	976.1	976.4	976.7	976.9	977.1	976.4	975.6
132.5°	1014.0	1015.4	1016.8	1018.2	1018.7	1018.1	1017.6	1017.1	1016.5	1016.4	1016.2
135°	1073.8	1075.3	1076.8	1078.3	1078.7	1078.3	1077.8	1077.2	1076.8	1076.3	1075.8
137.5°	1128.7	1129.9	1131.1	1132.5	1132.8	1132.5	1132.0	1131.5	1131.1	1131.2	1131.3
140°	1163.9	1164.3	1164.8	1165.3	1165.4	1165.2	1164.9	1164.7	1164.4	1164.9	1165.4
142.5°	1196.0	1196.4	1196.7	1196.9	1197.2	1197.6	1197.9	1198.3	1198.6	1198.7	1198.8
145°	1243.8	1244.3	1244.7	1245.2	1245.5	1245.5	1245.5	1245.5	1245.5	1245.8	1245.9
147.5°	1284.8	1284.7	1284.6	1284.5	1284.6	1284.9	1285.2	1285.5	1285.8	1286.1	1286.4
150°	1310.7	1310.2	1309.8	1309.3	1309.3	1309.8	1310.2	1310.7	1311.2	1311.6	1312.2
152.5°	1335.6	1334.5	1333.4	1332.3	1332.0	1332.6	1333.0	1333.5	1334.0	1334.5	1334.9
155°	1367.8	1366.3	1364.9	1363.4	1362.9	1363.4	1363.9	1364.4	1364.9	1365.6	1366.3
157.5°	1393.5	1392.7	1391.9	1390.9	1390.5	1390.6	1390.6	1390.7	1390.7	1391.5	1392.3
160°	1410.5	1409.1	1407.6	1406.2	1405.5	1405.8	1406.0	1406.3	1406.5	1407.5	1408.4
162.5°	1424.6	1423.1	1421.6	1420.1	1419.6	1419.8	1420.0	1420.3	1420.5	1421.9	1423.2
165°	1443.4	1441.9	1440.5	1439.0	1438.4	1438.6	1438.9	1439.1	1439.4	1440.9	1442.3
167.5°	1457.4	1455.9	1454.3	1452.8	1452.2	1452.5	1452.6	1452.9	1453.2	1454.9	1456.7
170°	1465.1	1463.3	1461.6	1459.9	1459.2	1459.4	1459.7	1459.9	1460.2	1462.2	1464.1
172.5°	1470.3	1468.6	1466.9	1465.2	1464.5	1465.0	1465.5	1465.8	1466.3	1468.1	1469.8
175°	1476.2	1474.8	1473.3	1471.9	1471.2	1471.5	1471.8	1472.0	1472.3	1474.1	1476.1
177.5°	1479.1	1478.0	1476.9	1475.6	1475.2	1475.4	1475.6	1475.7	1475.9	1477.3	1478.7
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	12.8	13.5	12.9	12.6	12.8	13.3	13.9
90°	21.2	22.4	23.4	24.1	24.8	25.5	26.3
92.5°	21.2	22.4	23.2	23.5	23.8	24.2	24.5
95°	21.2	22.4	23.0	23.0	23.0	23.0	23.0
97.5°	33.3	26.4	23.0	23.0	23.0	23.0	23.0
100°	81.8	45.5	26.9	25.9	25.0	23.9	23.0
102.5°	222.6	215.7	204.1	187.5	170.9	154.4	137.8
105°	326.4	326.4	326.3	326.0	325.8	325.6	325.4
107.5°	413.3	413.4	413.0	412.3	411.6	410.9	410.1
110°	468.8	468.1	467.9	468.1	468.3	468.6	468.8



TEST NUMBER: P333574-830

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	524.3	523.4	522.7	522.5	522.1	521.8	521.4
115°	608.3	607.4	606.1	604.6	603.2	601.7	600.3
117.5°	689.2	687.9	686.9	686.3	685.7	685.0	684.4
120°	742.3	741.9	741.0	739.8	738.6	737.4	736.1
122.5°	792.3	791.8	790.8	789.4	788.0	786.6	785.2
125°	864.6	863.7	862.8	862.0	861.4	860.6	859.9
127.5°	931.7	931.1	930.0	928.2	926.3	924.5	922.7
130°	974.9	974.2	973.2	971.9	970.8	969.6	968.4
132.5°	1016.1	1016.0	1015.3	1014.1	1012.9	1011.6	1010.4
135°	1075.3	1074.9	1073.8	1072.4	1070.9	1069.5	1068.0
137.5°	1131.4	1131.5	1131.0	1129.6	1128.4	1127.1	1125.9
140°	1165.8	1166.4	1165.8	1164.4	1163.0	1161.5	1160.1
142.5°	1198.9	1199.0	1198.3	1196.8	1195.4	1193.9	1192.5
145°	1246.2	1246.4	1245.9	1244.3	1242.9	1241.4	1240.0
147.5°	1286.7	1286.9	1286.2	1284.5	1282.7	1281.0	1279.2
150°	1312.7	1313.2	1312.4	1310.5	1308.5	1306.6	1304.7
152.5°	1335.5	1336.0	1335.3	1333.5	1331.8	1330.0	1328.3
155°	1367.1	1367.8	1367.2	1365.3	1363.3	1361.3	1359.4
157.5°	1393.1	1393.8	1393.3	1391.3	1389.4	1387.4	1385.4
160°	1409.4	1410.4	1409.9	1408.0	1406.0	1404.1	1402.1
162.5°	1424.7	1426.0	1425.6	1423.4	1421.3	1419.2	1417.0
165°	1443.8	1445.2	1444.9	1443.0	1441.1	1439.1	1437.2
167.5°	1458.4	1460.2	1460.0	1457.7	1455.6	1453.4	1451.2
170°	1466.0	1468.0	1467.8	1465.7	1463.5	1461.3	1459.1
172.5°	1471.6	1473.3	1473.1	1470.9	1468.8	1466.5	1464.3
175°	1478.1	1480.0	1479.9	1477.7	1475.6	1473.3	1471.1
177.5°	1480.1	1481.4	1481.3	1479.8	1478.2	1476.6	1475.1
180°	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7	1477.7

(END OF REPORT)