

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: P333563-840

Luminaire Tested: **S125RDIP-S850D810U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333563-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D810U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6143.2 lumens
Efficiency: N/A
Efficacy: 133.8 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

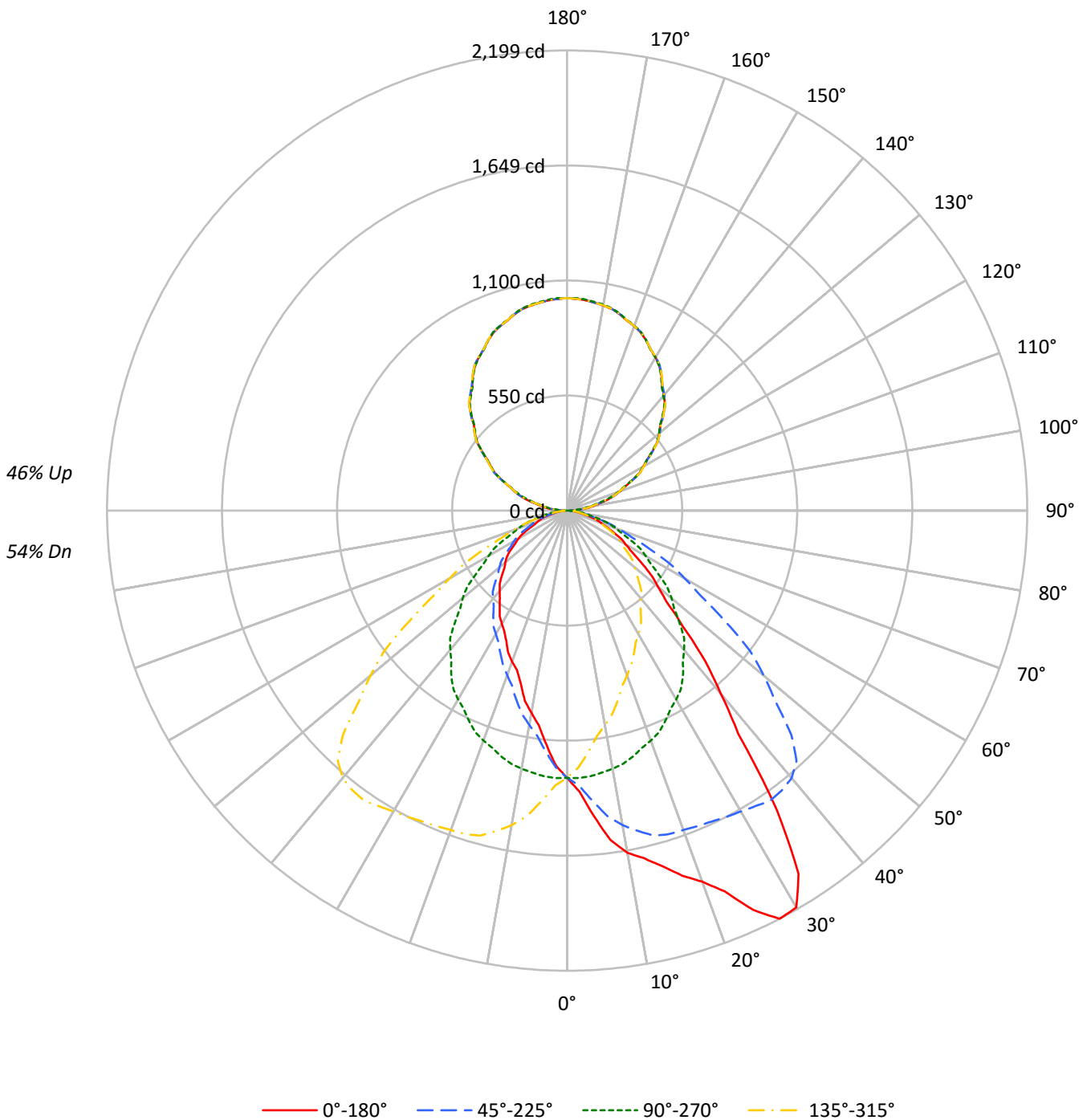
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	47	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	25	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8250	8250	8250	8250
5°	9491	8261	7295	8261
10°	10887	8218	6437	8218
15°	11760	8134	5722	8134
20°	12967	8036	5283	8036
25°	15007	7906	4903	7906
30°	16330	7770	4653	7770
35°	13775	7611	4424	7611
40°	9620	7325	4226	7325
45°	7136	6940	4032	6940
50°	5690	6539	3867	6539
55°	4829	6040	3719	6040
60°	4173	5594	3481	5594
65°	3718	5113	2997	5113
70°	3269	4683	2732	4683
75°	2827	4057	2565	4057
80°	2146	3414	2146	3414
85°	1786	2682	2023	2682



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	2.0
10°-20°	359.0	5.8
20°-30°	569.2	9.3
30°-40°	686.4	11.2
40°-50°	613.0	10.0
50°-60°	470.0	7.7
60°-70°	305.5	5.0
70°-80°	148.5	2.4
80°-90°	37.7	0.6
90°-100°	68.0	1.1
100°-110°	200.7	3.3
110°-120°	339.9	5.5
120°-130°	447.4	7.3
130°-140°	501.3	8.2
140°-150°	491.3	8.0
150°-160°	412.7	6.7
160°-170°	274.3	4.5
170°-180°	96.0	1.6
0°-30°	1050.6	17.1
0°-40°	1737.0	28.3
0°-60°	2820.0	45.9
0°-90°	3311.7	53.9
90°-120°	608.6	9.9
90°-150°	2048.6	33.3
90°-180°	2832.0	46.1
0°-180°	6143.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1464	1274	1125	1274	1464	146
15°	1759	1217	856	1217	1759	504
25°	2106	1110	688	1110	2106	967
35°	1747	965	561	965	1747	1055
45°	781	760	442	760	781	623
55°	429	536	330	536	429	389
65°	243	335	196	335	243	242
75°	113	163	103	163	113	121
85°	24	36	27	36	24	28
90°	19	1	19	1	19	12
95°	68	51	68	51	68	69
105°	196	180	196	180	196	207
115°	344	340	344	340	344	340
125°	500	497	500	497	500	446
135°	648	646	648	646	648	500
145°	786	782	786	782	786	490
155°	895	895	895	895	895	412
165°	971	974	971	974	971	274
175°	1008	1012	1008	1012	1008	96
180°	1015	1015	1015	1015	1015	



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1343.6	1342.8	1344.5	1339.9	1340.3	1333.1	1333.1	1327.7	1320.6	1315.1	1312.6
5°	1464.0	1465.1	1463.0	1455.1	1449.9	1442.0	1433.1	1417.3	1404.2	1391.7	1381.7
7.5°	1588.0	1588.7	1581.9	1579.4	1566.2	1556.5	1536.7	1515.3	1496.3	1472.2	1453.8
10°	1660.1	1659.6	1652.3	1646.5	1635.0	1620.3	1600.9	1575.7	1552.2	1525.9	1500.8
12.5°	1702.1	1700.7	1698.4	1691.4	1680.7	1667.7	1651.2	1626.5	1597.4	1568.7	1539.3
15°	1758.8	1755.0	1748.3	1739.3	1724.1	1708.9	1690.6	1668.6	1640.7	1608.2	1580.9
17.5°	1828.8	1828.9	1818.5	1806.0	1785.3	1758.6	1730.2	1694.7	1656.9	1621.1	1592.1
20°	1886.7	1885.1	1874.6	1850.5	1826.9	1793.3	1760.8	1717.3	1671.1	1624.5	1588.3
22.5°	1969.7	1965.7	1954.8	1923.1	1886.5	1843.3	1793.5	1740.4	1684.6	1631.6	1584.2
25°	2105.9	2102.7	2081.2	2044.6	1993.2	1926.5	1861.5	1788.7	1708.4	1638.7	1580.9
27.5°	2199.0	2195.5	2179.6	2149.1	2101.7	2031.6	1943.6	1846.2	1746.1	1650.1	1566.9
30°	2189.8	2197.7	2195.5	2181.4	2145.8	2082.8	2001.6	1892.0	1772.9	1660.1	1561.0
32.5°	2058.0	2065.1	2083.6	2111.3	2113.4	2088.3	2027.5	1926.3	1803.1	1674.9	1556.4
35°	1747.2	1756.7	1792.3	1848.5	1921.8	1983.2	1995.8	1941.3	1830.6	1692.6	1549.5
37.5°	1343.2	1394.8	1424.8	1483.9	1594.8	1707.7	1816.2	1856.1	1809.1	1685.4	1538.3
40°	1141.0	1153.6	1207.1	1273.7	1367.1	1484.5	1639.2	1750.9	1754.5	1668.6	1520.7
42.5°	976.5	992.5	1029.3	1082.4	1162.4	1279.8	1439.5	1586.9	1655.2	1622.4	1497.6
45°	781.3	793.3	820.1	861.0	922.4	1019.4	1156.8	1327.2	1462.5	1515.4	1435.7
47.5°	641.9	648.3	671.7	702.8	748.2	818.9	925.2	1073.2	1235.5	1349.2	1338.0
50°	566.3	573.7	591.5	615.1	653.4	713.2	798.1	921.3	1088.6	1227.6	1255.4
52.5°	507.6	513.7	524.8	547.1	578.7	624.6	693.2	804.7	955.2	1103.0	1167.2
55°	428.9	433.1	442.0	454.6	479.8	512.8	572.1	649.1	770.8	919.8	1014.1
57.5°	364.2	366.2	371.9	383.5	400.9	425.1	467.9	533.2	620.5	754.6	858.7
60°	323.1	325.1	332.4	340.3	354.0	376.0	409.5	455.1	539.1	649.6	755.1
62.5°	290.3	291.5	294.7	302.6	314.5	331.5	357.9	395.2	461.9	559.1	658.6
65°	243.3	243.9	244.9	251.2	258.5	271.1	288.4	314.6	365.0	438.4	526.4
67.5°	198.2	198.9	202.6	204.8	212.5	219.0	229.2	249.3	284.8	334.3	402.7
70°	173.1	172.5	176.2	178.8	181.5	189.2	196.1	212.4	234.4	272.2	329.3
72.5°	149.6	148.1	149.8	150.7	154.2	159.6	166.3	176.3	193.3	219.2	263.1
75°	113.3	113.8	113.8	114.8	117.4	119.6	121.7	126.9	136.3	153.6	177.2
77.5°	79.5	78.7	80.9	81.2	82.7	85.0	86.8	89.0	92.8	100.0	112.1
80°	57.7	57.7	58.2	59.8	59.3	60.3	62.9	65.0	69.8	73.9	78.2
82.5°	44.2	43.8	44.3	44.6	44.5	45.6	46.6	47.0	48.8	50.9	53.8
85°	24.1	24.1	24.6	24.6	25.1	25.1	25.7	25.7	25.7	26.3	26.8
87.5°	13.0	12.5	12.0	11.8	12.2	12.9	12.3	11.7	11.5	11.3	11.5
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3	13.5	12.6	11.4
92.5°	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6	31.5	30.3	28.8
95°	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2	62.0	60.8	59.1
97.5°	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2	98.0	96.8	94.4
100°	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0	122.4	120.8	118.6
102.5°	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6	147.8	146.1	144.9
105°	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9	189.8	188.7	187.6
107.5°	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4	234.9	234.4	233.6
110°	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4	265.9	265.3	264.8



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4	297.2	296.9	296.3
115°	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8	344.9	345.1	344.8
117.5°	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1	391.9	391.8	391.5
120°	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0	424.0	424.0	423.8
122.5°	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3	455.4	455.7	455.1
125°	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5	501.9	502.2	502.0
127.5°	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3	547.5	547.8	547.5
130°	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6	577.8	578.0	577.6
132.5°	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7	606.9	607.1	607.1
135°	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5	651.5	651.5	651.3
137.5°	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0	694.8	694.6	694.2
140°	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5	722.2	721.8	721.2
142.5°	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3	749.1	748.9	748.2
145°	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1	788.1	788.1	787.6
147.5°	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9	823.5	823.1	822.7
150°	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6	846.6	846.6	845.9
152.5°	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6	867.2	866.8	866.5
155°	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7	897.0	896.3	896.1
157.5°	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7	923.0	922.3	922.1
160°	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6	938.9	938.2	938.0
162.5°	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3	953.5	952.7	952.6
165°	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3	973.6	972.9	972.7
167.5°	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1	988.0	986.9	986.9
170°	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8	996.8	995.7	995.7
172.5°	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2	1003.1	1002.1	1002.1
175°	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3	1010.3	1009.2	1009.2
177.5°	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5	1013.7	1012.8	1013.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1312.6	1309.7	1304.2	1299.2	1292.9	1287.5	1283.6	1279.1	1273.1	1266.1	1260.2
5°	1370.7	1359.2	1343.9	1330.9	1314.0	1301.0	1287.4	1274.2	1261.1	1244.4	1229.6
7.5°	1435.1	1411.3	1388.2	1359.0	1332.5	1308.9	1286.3	1263.3	1240.9	1217.1	1194.1
10°	1474.5	1445.7	1413.7	1377.0	1343.4	1311.4	1282.1	1253.2	1222.8	1196.1	1167.2
12.5°	1511.5	1474.2	1437.6	1391.3	1351.0	1311.9	1274.6	1238.6	1206.1	1171.3	1140.4
15°	1544.8	1508.1	1467.2	1410.6	1354.4	1307.3	1263.2	1216.6	1176.2	1137.4	1102.8
17.5°	1557.7	1519.2	1471.7	1417.2	1355.9	1296.6	1239.8	1188.6	1141.1	1095.9	1057.0
20°	1552.7	1515.4	1466.6	1414.7	1349.2	1287.4	1226.0	1169.3	1116.4	1068.6	1027.2
22.5°	1540.4	1502.0	1454.9	1400.1	1337.9	1272.2	1206.7	1146.3	1090.8	1041.4	996.2
25°	1522.3	1469.9	1421.6	1368.1	1308.8	1243.9	1176.2	1109.5	1050.4	1000.0	950.7
27.5°	1503.3	1437.8	1376.4	1323.3	1260.7	1202.6	1137.5	1069.1	1006.9	955.6	905.0
30°	1486.1	1412.7	1345.0	1284.8	1225.5	1170.4	1108.5	1041.9	978.0	925.0	873.6
32.5°	1464.7	1386.6	1312.3	1242.7	1185.6	1130.9	1075.0	1011.3	949.0	894.3	842.1
35°	1437.8	1338.2	1257.5	1183.5	1120.0	1067.1	1016.7	965.3	902.9	846.4	795.5
37.5°	1402.6	1289.5	1196.1	1115.6	1048.6	995.4	955.7	908.8	851.8	797.6	750.3
40°	1381.2	1254.3	1152.1	1072.4	1002.1	945.9	908.8	868.9	817.0	766.1	718.9
42.5°	1352.7	1222.0	1107.6	1024.5	953.8	899.8	862.1	827.4	783.9	735.9	685.4
45°	1296.8	1159.4	1039.4	950.2	878.9	825.9	790.7	759.8	726.8	682.8	638.6
47.5°	1224.0	1094.1	968.4	871.1	801.2	752.0	718.0	693.6	669.9	632.5	589.7
50°	1165.7	1040.4	917.7	823.2	748.8	702.2	670.1	650.8	629.2	595.1	559.5
52.5°	1096.9	985.0	864.7	768.3	698.0	654.3	623.6	604.2	586.4	558.7	524.7
55°	988.5	890.4	780.2	692.7	628.2	584.1	554.8	536.4	525.9	502.3	475.6
57.5°	863.3	793.0	695.9	611.5	554.5	511.0	489.5	473.8	462.0	445.2	426.5
60°	776.1	726.8	639.7	559.5	507.1	465.6	446.3	433.1	422.1	408.0	393.2
62.5°	687.5	651.7	575.9	507.1	458.8	424.1	406.0	394.2	381.4	371.9	357.6
65°	569.0	536.9	484.5	430.5	386.0	358.1	345.1	334.6	326.7	316.2	306.2
67.5°	442.5	429.6	393.3	356.2	324.2	299.4	288.1	280.7	271.4	265.0	258.2
70°	365.0	358.7	333.0	308.3	278.4	261.7	251.2	248.0	236.5	230.2	225.5
72.5°	296.2	293.3	278.4	261.4	240.2	225.6	215.9	212.4	205.0	200.0	196.9
75°	202.9	204.0	201.4	190.4	182.5	173.1	164.6	162.6	157.3	153.1	150.5
77.5°	128.4	133.7	133.9	133.4	130.3	124.5	121.0	119.5	114.3	112.7	112.1
80°	88.1	93.8	99.1	98.6	97.6	95.9	93.3	91.8	89.2	87.6	86.5
82.5°	58.8	64.1	68.5	71.3	71.1	69.6	67.8	67.1	66.4	65.3	65.1
85°	27.8	28.9	30.4	34.1	36.7	37.3	36.7	36.2	34.6	35.1	35.6
87.5°	11.7	11.4	11.6	11.3	10.6	12.4	13.4	13.5	13.0	12.4	11.9
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1	20.1	21.1	22.0
95°	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3	51.7	52.0	52.4
97.5°	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3	85.4	85.5	85.7
100°	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
102.5°	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7	138.5	139.2	139.9
105°	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1	181.0	181.8	182.7
107.5°	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8	227.6	228.5	229.4
110°	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0	259.9	260.7	261.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9	292.4	292.8	293.3
115°	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3	341.0	341.7	342.4
117.5°	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0	389.3	389.6	389.9
120°	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3	420.2	421.1	421.9
122.5°	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1	452.5	452.8	453.1
125°	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7	497.8	498.8	499.9
127.5°	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1	544.7	545.2	545.8
130°	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5	573.4	574.3	575.1
132.5°	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0	602.4	603.8	605.2
135°	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9	647.0	648.0	649.1
137.5°	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3	689.3	690.3	691.4
140°	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5	716.3	717.2	718.1
142.5°	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7	743.4	744.1	744.8
145°	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5	783.3	784.0	784.7
147.5°	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5	819.9	820.3	820.7
150°	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1	843.9	843.8	843.6
152.5°	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3	864.6	864.8	865.2
155°	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4	895.4	895.4	895.4
157.5°	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3	922.9	922.5	922.1
160°	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7	939.2	938.7	938.2
162.5°	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2	953.8	953.4	953.1
165°	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7	973.3	973.0	972.6
167.5°	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1	989.4	988.7	988.0
170°	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0	998.3	997.5	996.8
172.5°	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2	1004.5	1003.8	1003.1
175°	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4	1011.7	1011.0	1010.3
177.5°	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0	1015.4	1014.9	1014.3
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1256.0	1250.1	1245.9	1237.5	1231.6	1229.1	1224.6	1223.2	1227.9	1224.6	1224.1
5°	1218.6	1203.5	1191.3	1179.3	1166.2	1157.8	1145.2	1143.2	1139.9	1135.3	1134.2
7.5°	1173.9	1154.1	1138.5	1118.6	1101.3	1087.3	1071.6	1064.2	1060.1	1054.0	1045.8
10°	1143.7	1120.0	1099.0	1079.1	1057.6	1040.4	1024.6	1012.6	1004.7	997.3	994.2
12.5°	1113.9	1089.8	1063.0	1038.8	1014.9	995.4	978.1	970.2	961.5	952.9	945.5
15°	1067.6	1035.6	1006.2	978.5	958.1	937.1	920.3	908.8	895.6	891.9	877.8
17.5°	1018.5	987.1	952.8	923.5	899.8	876.8	858.3	845.2	835.4	821.8	815.3
20°	988.0	950.7	917.2	890.4	864.1	836.9	818.0	807.0	797.6	786.6	781.3
22.5°	955.2	918.8	884.4	853.0	826.4	799.6	786.2	774.7	764.0	753.9	746.9
25°	907.2	870.5	834.2	801.7	774.0	754.6	738.8	725.7	719.9	710.0	702.7
27.5°	859.7	820.6	783.0	750.7	728.9	709.7	696.8	686.4	676.0	667.3	661.0
30°	829.0	789.2	748.3	722.6	699.5	681.2	667.0	657.0	649.1	641.3	636.6
32.5°	798.4	757.3	721.0	693.2	671.4	655.6	641.0	631.5	623.2	614.5	608.9
35°	749.3	707.4	678.0	650.8	629.2	614.6	604.6	591.0	584.1	577.8	572.1
37.5°	703.7	664.7	632.9	609.0	590.4	575.7	562.9	555.5	547.1	541.5	536.6
40°	670.1	634.5	605.6	580.5	566.8	550.6	538.6	529.1	522.8	515.4	510.2
42.5°	640.0	606.8	578.8	556.1	539.2	525.4	513.8	504.3	496.3	491.1	486.8
45°	597.2	564.2	536.9	515.9	500.3	487.2	475.0	470.4	459.9	453.6	451.5
47.5°	553.1	523.5	497.3	477.9	461.8	449.4	438.1	428.4	422.6	416.5	413.1
50°	523.3	495.0	470.4	451.5	435.8	422.1	411.6	405.4	397.5	391.7	387.5
52.5°	493.5	467.4	442.7	424.6	411.0	397.4	385.7	379.3	371.9	368.2	365.3
55°	451.0	423.1	402.2	384.4	370.2	357.6	346.6	340.3	335.6	331.9	330.8
57.5°	402.7	380.7	361.2	345.2	330.4	318.6	308.9	303.0	298.8	298.2	295.1
60°	371.2	351.3	333.5	316.2	303.6	292.6	284.2	277.4	273.2	272.7	271.7
62.5°	339.8	320.7	304.2	288.9	277.6	267.0	259.0	251.4	248.8	246.2	244.0
65°	293.2	275.8	262.2	250.1	238.0	229.1	221.3	216.5	210.8	207.6	201.9
67.5°	247.3	233.9	220.8	210.6	201.2	192.7	186.1	179.2	175.2	172.7	168.5
70°	217.1	206.6	193.5	182.5	175.1	168.3	163.1	155.2	152.6	150.5	148.3
72.5°	188.5	179.4	168.3	159.5	152.1	145.6	139.6	135.9	133.3	131.2	130.0
75°	148.3	139.5	130.1	123.7	118.6	113.3	110.1	107.4	106.4	105.9	103.8
77.5°	109.0	104.2	96.6	91.7	88.2	86.1	83.3	81.9	81.8	79.5	78.8
80°	83.4	80.8	74.4	72.4	69.8	67.7	66.0	63.4	60.8	59.8	58.2
82.5°	62.0	59.4	56.9	53.5	51.3	50.0	48.5	47.5	47.9	46.4	45.6
85°	33.0	30.4	29.4	28.9	27.8	28.9	28.3	27.8	27.3	26.8	27.3
87.5°	11.8	12.0	11.8	12.9	11.9	12.6	12.7	12.5	12.7	12.9	12.6
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3	15.2	16.2	16.9
92.5°	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6	33.8	34.9	35.7
95°	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2	64.5	65.7	66.6
97.5°	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2	100.3	101.5	102.1
100°	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0	125.5	127.1	128.2
102.5°	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6	151.3	153.0	154.1
105°	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9	191.9	193.0	193.7
107.5°	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4	235.9	236.5	236.7
110°	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4	266.9	267.4	267.6



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4	297.6	297.9	297.9
115°	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8	344.6	344.4	344.2
117.5°	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1	392.2	392.4	392.1
120°	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0	424.0	424.0	423.7
122.5°	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3	455.2	455.0	454.7
125°	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5	501.2	500.8	500.6
127.5°	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3	547.1	547.0	546.7
130°	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6	577.5	577.3	577.0
132.5°	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7	606.5	606.4	606.0
135°	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5	651.5	651.5	651.2
137.5°	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0	695.2	695.4	695.1
140°	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5	722.8	723.2	722.9
142.5°	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3	749.5	749.7	749.4
145°	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1	788.1	788.1	787.8
147.5°	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9	824.5	824.9	824.5
150°	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6	846.6	846.6	846.4
152.5°	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6	868.0	868.4	868.3
155°	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7	898.4	899.1	899.0
157.5°	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7	924.4	925.1	924.9
160°	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6	940.2	940.9	940.9
162.5°	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3	955.2	956.0	955.9
165°	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3	975.0	975.6	975.5
167.5°	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1	990.1	991.2	991.1
170°	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8	999.0	1000.0	999.9
172.5°	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2	1005.2	1006.3	1006.3
175°	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3	1012.4	1013.4	1013.3
177.5°	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5	1015.3	1016.2	1016.1
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1223.7	1219.1	1217.8	1219.5	1217.8	1219.1	1223.7	1224.1	1224.6	1227.9	1223.2
5°	1128.9	1123.8	1126.3	1125.3	1126.3	1123.8	1128.9	1134.2	1135.3	1139.9	1143.2
7.5°	1045.7	1039.2	1032.3	1034.5	1032.3	1039.2	1045.7	1045.8	1054.0	1060.1	1064.2
10°	987.3	982.2	979.0	981.6	979.0	982.2	987.3	994.2	997.3	1004.7	1012.6
12.5°	938.3	935.1	932.4	931.3	932.4	935.1	938.3	945.5	952.9	961.5	970.2
15°	871.5	865.3	862.6	855.8	862.6	865.3	871.5	877.8	891.9	895.6	908.8
17.5°	809.9	807.9	801.0	798.1	801.0	807.9	809.9	815.3	821.8	835.4	845.2
20°	773.5	771.3	764.6	768.7	764.6	771.3	773.5	781.3	786.6	797.6	807.0
22.5°	743.3	738.6	736.4	735.2	736.4	738.6	743.3	746.9	753.9	764.0	774.7
25°	700.5	693.8	691.2	688.0	691.2	693.8	700.5	702.7	710.0	719.9	725.7
27.5°	658.0	654.3	650.9	650.1	650.9	654.3	658.0	661.0	667.3	676.0	686.4
30°	630.3	626.6	624.0	624.0	624.0	626.6	630.3	636.6	641.3	649.1	657.0
32.5°	605.5	602.7	600.1	599.7	600.1	602.7	605.5	608.9	614.5	623.2	631.5
35°	569.5	565.3	564.2	561.1	564.2	565.3	569.5	572.1	577.8	584.1	591.0
37.5°	532.0	528.6	528.5	528.2	528.5	528.6	532.0	536.6	541.5	547.1	555.5
40°	508.2	505.5	504.9	501.3	504.9	505.5	508.2	510.2	515.4	522.8	529.1
42.5°	482.5	481.2	479.4	477.8	479.4	481.2	482.5	486.8	491.1	496.3	504.3
45°	447.8	444.1	444.1	441.5	444.1	444.1	447.8	451.5	453.6	459.9	470.4
47.5°	411.9	409.1	409.4	406.7	409.4	409.1	411.9	413.1	416.5	422.6	428.4
50°	388.0	386.5	386.0	384.9	386.0	386.5	388.0	387.5	391.7	397.5	405.4
52.5°	364.2	363.3	365.4	363.0	365.4	363.3	364.2	365.3	368.2	371.9	379.3
55°	331.9	330.3	333.5	330.3	333.5	330.3	331.9	330.8	331.9	335.6	340.3
57.5°	294.9	293.5	296.3	294.7	296.3	293.5	294.9	295.1	298.2	298.8	303.0
60°	270.5	267.4	269.0	269.5	269.0	267.4	270.5	271.7	272.7	273.2	277.4
62.5°	241.7	239.7	240.9	238.5	240.9	239.7	241.7	244.0	246.2	248.8	251.4
65°	200.9	199.2	197.1	196.1	197.1	199.2	200.9	201.9	207.6	210.8	216.5
67.5°	168.7	165.0	164.9	165.7	164.9	165.0	168.7	168.5	172.7	175.2	179.2
70°	145.2	145.2	144.7	144.7	144.7	145.2	145.2	148.3	150.5	152.6	155.2
72.5°	128.9	128.5	127.5	127.1	127.5	128.5	128.9	130.0	131.2	133.3	135.9
75°	103.8	104.3	103.3	102.8	103.3	104.3	103.8	103.8	105.9	106.4	107.4
77.5°	76.6	74.4	75.6	74.4	75.6	74.4	76.6	78.8	79.5	81.8	81.9
80°	58.2	57.7	59.3	57.7	59.3	57.7	58.2	58.2	59.8	60.8	63.4
82.5°	46.0	45.5	46.3	45.1	46.3	45.5	46.0	45.6	46.4	47.9	47.5
85°	27.8	27.3	26.8	27.3	26.8	27.3	27.8	27.3	26.8	27.3	27.8
87.5°	13.1	12.8	12.9	13.0	12.9	12.8	13.1	12.6	12.9	12.7	12.5
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3
92.5°	36.2	36.5	36.9	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6
95°	66.9	67.3	67.6	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2
97.5°	102.3	102.5	102.8	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2
100°	128.5	128.8	129.2	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0
102.5°	154.6	155.0	155.5	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6
105°	194.3	194.8	195.3	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9
107.5°	236.7	236.6	236.6	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4
110°	267.4	267.2	267.1	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	297.5	297.2	296.9	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4
115°	344.1	343.9	343.7	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8
117.5°	391.4	390.7	390.0	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1
120°	423.0	422.3	421.6	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0
122.5°	454.1	453.6	453.0	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3
125°	500.4	500.2	500.1	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5
127.5°	546.4	546.0	545.7	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3
130°	576.7	576.3	576.0	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6
132.5°	605.6	605.1	604.6	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7
135°	650.5	649.7	649.0	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5
137.5°	694.2	693.4	692.5	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0
140°	722.1	721.1	720.2	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5
142.5°	748.5	747.7	746.8	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3
145°	787.3	786.8	786.3	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1
147.5°	823.2	822.0	820.9	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9
150°	846.0	845.7	845.3	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6
152.5°	867.7	867.1	866.5	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6
155°	898.1	897.3	896.4	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7
157.5°	923.7	922.6	921.4	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7
160°	940.0	939.1	938.2	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6
162.5°	954.9	953.9	952.9	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3
165°	974.4	973.4	972.3	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3
167.5°	990.1	989.0	987.8	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1
170°	998.7	997.4	996.2	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8
172.5°	1005.2	1004.1	1003.0	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2
175°	1012.1	1010.9	1009.7	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3
177.5°	1015.1	1014.2	1013.2	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1224.6	1229.1	1231.6	1237.5	1245.9	1250.1	1256.0	1260.2	1266.1	1273.1	1279.1
5°	1145.2	1157.8	1166.2	1179.3	1191.3	1203.5	1218.6	1229.6	1244.4	1261.1	1274.2
7.5°	1071.6	1087.3	1101.3	1118.6	1138.5	1154.1	1173.9	1194.1	1217.1	1240.9	1263.3
10°	1024.6	1040.4	1057.6	1079.1	1099.0	1120.0	1143.7	1167.2	1196.1	1222.8	1253.2
12.5°	978.1	995.4	1014.9	1038.8	1063.0	1089.8	1113.9	1140.4	1171.3	1206.1	1238.6
15°	920.3	937.1	958.1	978.5	1006.2	1035.6	1067.6	1102.8	1137.4	1176.2	1216.6
17.5°	858.3	876.8	899.8	923.5	952.8	987.1	1018.5	1057.0	1095.9	1141.1	1188.6
20°	818.0	836.9	864.1	890.4	917.2	950.7	988.0	1027.2	1068.6	1116.4	1169.3
22.5°	786.2	799.6	826.4	853.0	884.4	918.8	955.2	996.2	1041.4	1090.8	1146.3
25°	738.8	754.6	774.0	801.7	834.2	870.5	907.2	950.7	1000.0	1050.4	1109.5
27.5°	696.8	709.7	728.9	750.7	783.0	820.6	859.7	905.0	955.6	1006.9	1069.1
30°	667.0	681.2	699.5	722.6	748.3	789.2	829.0	873.6	925.0	978.0	1041.9
32.5°	641.0	655.6	671.4	693.2	721.0	757.3	798.4	842.1	894.3	949.0	1011.3
35°	604.6	614.6	629.2	650.8	678.0	707.4	749.3	795.5	846.4	902.9	965.3
37.5°	562.9	575.7	590.4	609.0	632.9	664.7	703.7	750.3	797.6	851.8	908.8
40°	538.6	550.6	566.8	580.5	605.6	634.5	670.1	718.9	766.1	817.0	868.9
42.5°	513.8	525.4	539.2	556.1	578.8	606.8	640.0	685.4	735.9	783.9	827.4
45°	475.0	487.2	500.3	515.9	536.9	564.2	597.2	638.6	682.8	726.8	759.8
47.5°	438.1	449.4	461.8	477.9	497.3	523.5	553.1	589.7	632.5	669.9	693.6
50°	411.6	422.1	435.8	451.5	470.4	495.0	523.3	559.5	595.1	629.2	650.8
52.5°	385.7	397.4	411.0	424.6	442.7	467.4	493.5	524.7	558.7	586.4	604.2
55°	346.6	357.6	370.2	384.4	402.2	423.1	451.0	475.6	502.3	525.9	536.4
57.5°	308.9	318.6	330.4	345.2	361.2	380.7	402.7	426.5	445.2	462.0	473.8
60°	284.2	292.6	303.6	316.2	333.5	351.3	371.2	393.2	408.0	422.1	433.1
62.5°	259.0	267.0	277.6	288.9	304.2	320.7	339.8	357.6	371.9	381.4	394.2
65°	221.3	229.1	238.0	250.1	262.2	275.8	293.2	306.2	316.2	326.7	334.6
67.5°	186.1	192.7	201.2	210.6	220.8	233.9	247.3	258.2	265.0	271.4	280.7
70°	163.1	168.3	175.1	182.5	193.5	206.6	217.1	225.5	230.2	236.5	248.0
72.5°	139.6	145.6	152.1	159.5	168.3	179.4	188.5	196.9	200.0	205.0	212.4
75°	110.1	113.3	118.6	123.7	130.1	139.5	148.3	150.5	153.1	157.3	162.6
77.5°	83.3	86.1	88.2	91.7	96.6	104.2	109.0	112.1	112.7	114.3	119.5
80°	66.0	67.7	69.8	72.4	74.4	80.8	83.4	86.5	87.6	89.2	91.8
82.5°	48.5	50.0	51.3	53.5	56.9	59.4	62.0	65.1	65.3	66.4	67.1
85°	28.3	28.9	27.8	28.9	29.4	30.4	33.0	35.6	35.1	34.6	36.2
87.5°	12.7	12.6	11.9	12.9	11.8	12.0	11.8	11.9	12.4	13.0	13.5
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	31.5	30.3	28.8	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1
95°	62.0	60.8	59.1	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3
97.5°	98.0	96.8	94.4	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3
100°	122.4	120.8	118.6	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6
102.5°	147.8	146.1	144.9	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7
105°	189.8	188.7	187.6	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1
107.5°	234.9	234.4	233.6	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8
110°	265.9	265.3	264.8	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.2	296.9	296.3	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9
115°	344.9	345.1	344.8	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3
117.5°	391.9	391.8	391.5	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0
120°	424.0	424.0	423.8	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3
122.5°	455.4	455.7	455.1	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1
125°	501.9	502.2	502.0	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7
127.5°	547.5	547.8	547.5	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1
130°	577.8	578.0	577.6	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5
132.5°	606.9	607.1	607.1	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0
135°	651.5	651.5	651.3	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9
137.5°	694.8	694.6	694.2	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3
140°	722.2	721.8	721.2	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5
142.5°	749.1	748.9	748.2	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7
145°	788.1	788.1	787.6	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5
147.5°	823.5	823.1	822.7	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5
150°	846.6	846.6	845.9	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1
152.5°	867.2	866.8	866.5	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3
155°	897.0	896.3	896.1	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4
157.5°	923.0	922.3	922.1	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3
160°	938.9	938.2	938.0	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7
162.5°	953.5	952.7	952.6	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2
165°	973.6	972.9	972.7	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7
167.5°	988.0	986.9	986.9	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1
170°	996.8	995.7	995.7	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0
172.5°	1003.1	1002.1	1002.1	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2
175°	1010.3	1009.2	1009.2	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4
177.5°	1013.7	1012.8	1013.0	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1283.6	1287.5	1292.9	1299.2	1304.2	1309.7	1312.6	1312.6	1315.1	1320.6	1327.7
5°	1287.4	1301.0	1314.0	1330.9	1343.9	1359.2	1370.7	1381.7	1391.7	1404.2	1417.3
7.5°	1286.3	1308.9	1332.5	1359.0	1388.2	1411.3	1435.1	1453.8	1472.2	1496.3	1515.3
10°	1282.1	1311.4	1343.4	1377.0	1413.7	1445.7	1474.5	1500.8	1525.9	1552.2	1575.7
12.5°	1274.6	1311.9	1351.0	1391.3	1437.6	1474.2	1511.5	1539.3	1568.7	1597.4	1626.5
15°	1263.2	1307.3	1354.4	1410.6	1467.2	1508.1	1544.8	1580.9	1608.2	1640.7	1668.6
17.5°	1239.8	1296.6	1355.9	1417.2	1471.7	1519.2	1557.7	1592.1	1621.1	1656.9	1694.7
20°	1226.0	1287.4	1349.2	1414.7	1466.6	1515.4	1552.7	1588.3	1624.5	1671.1	1717.3
22.5°	1206.7	1272.2	1337.9	1400.1	1454.9	1502.0	1540.4	1584.2	1631.6	1684.6	1740.4
25°	1176.2	1243.9	1308.8	1368.1	1421.6	1469.9	1522.3	1580.9	1638.7	1708.4	1788.7
27.5°	1137.5	1202.6	1260.7	1323.3	1376.4	1437.8	1503.3	1566.9	1650.1	1746.1	1846.2
30°	1108.5	1170.4	1225.5	1284.8	1345.0	1412.7	1486.1	1561.0	1660.1	1772.9	1892.0
32.5°	1075.0	1130.9	1185.6	1242.7	1312.3	1386.6	1464.7	1556.4	1674.9	1803.1	1926.3
35°	1016.7	1067.1	1120.0	1183.5	1257.5	1338.2	1437.8	1549.5	1692.6	1830.6	1941.3
37.5°	955.7	995.4	1048.6	1115.6	1196.1	1289.5	1402.6	1538.3	1685.4	1809.1	1856.1
40°	908.8	945.9	1002.1	1072.4	1152.1	1254.3	1381.2	1520.7	1668.6	1754.5	1750.9
42.5°	862.1	899.8	953.8	1024.5	1107.6	1222.0	1352.7	1497.6	1622.4	1655.2	1586.9
45°	790.7	825.9	878.9	950.2	1039.4	1159.4	1296.8	1435.7	1515.4	1462.5	1327.2
47.5°	718.0	752.0	801.2	871.1	968.4	1094.1	1224.0	1338.0	1349.2	1235.5	1073.2
50°	670.1	702.2	748.8	823.2	917.7	1040.4	1165.7	1255.4	1227.6	1088.6	921.3
52.5°	623.6	654.3	698.0	768.3	864.7	985.0	1096.9	1167.2	1103.0	955.2	804.7
55°	554.8	584.1	628.2	692.7	780.2	890.4	988.5	1014.1	919.8	770.8	649.1
57.5°	489.5	511.0	554.5	611.5	695.9	793.0	863.3	858.7	754.6	620.5	533.2
60°	446.3	465.6	507.1	559.5	639.7	726.8	776.1	755.1	649.6	539.1	455.1
62.5°	406.0	424.1	458.8	507.1	575.9	651.7	687.5	658.6	559.1	461.9	395.2
65°	345.1	358.1	386.0	430.5	484.5	536.9	569.0	526.4	438.4	365.0	314.6
67.5°	288.1	299.4	324.2	356.2	393.3	429.6	442.5	402.7	334.3	284.8	249.3
70°	251.2	261.7	278.4	308.3	333.0	358.7	365.0	329.3	272.2	234.4	212.4
72.5°	215.9	225.6	240.2	261.4	278.4	293.3	296.2	263.1	219.2	193.3	176.3
75°	164.6	173.1	182.5	190.4	201.4	204.0	202.9	177.2	153.6	136.3	126.9
77.5°	121.0	124.5	130.3	133.4	133.9	133.7	128.4	112.1	100.0	92.8	89.0
80°	93.3	95.9	97.6	98.6	99.1	93.8	88.1	78.2	73.9	69.8	65.0
82.5°	67.8	69.6	71.1	71.3	68.5	64.1	58.8	53.8	50.9	48.8	47.0
85°	36.7	37.3	36.7	34.1	30.4	28.9	27.8	26.8	26.3	25.7	25.7
87.5°	13.4	12.4	10.6	11.3	11.6	11.4	11.7	11.5	11.3	11.5	11.7
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3
92.5°	20.1	21.1	22.0	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6
95°	51.7	52.0	52.4	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2
97.5°	85.4	85.5	85.7	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2
100°	110.6	110.6	110.6	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0
102.5°	138.5	139.2	139.9	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6
105°	181.0	181.8	182.7	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9
107.5°	227.6	228.5	229.4	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4
110°	259.9	260.7	261.7	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.4	292.8	293.3	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4
115°	341.0	341.7	342.4	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8
117.5°	389.3	389.6	389.9	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1
120°	420.2	421.1	421.9	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0
122.5°	452.5	452.8	453.1	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3
125°	497.8	498.8	499.9	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5
127.5°	544.7	545.2	545.8	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3
130°	573.4	574.3	575.1	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6
132.5°	602.4	603.8	605.2	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7
135°	647.0	648.0	649.1	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5
137.5°	689.3	690.3	691.4	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0
140°	716.3	717.2	718.1	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5
142.5°	743.4	744.1	744.8	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3
145°	783.3	784.0	784.7	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1
147.5°	819.9	820.3	820.7	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9
150°	843.9	843.8	843.6	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6
152.5°	864.6	864.8	865.2	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6
155°	895.4	895.4	895.4	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7
157.5°	922.9	922.5	922.1	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7
160°	939.2	938.7	938.2	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6
162.5°	953.8	953.4	953.1	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3
165°	973.3	973.0	972.6	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3
167.5°	989.4	988.7	988.0	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1
170°	998.3	997.5	996.8	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8
172.5°	1004.5	1003.8	1003.1	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2
175°	1011.7	1011.0	1010.3	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3
177.5°	1015.4	1014.9	1014.3	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1333.1	1333.1	1340.3	1339.9	1344.5	1342.8	1343.6
5°	1433.1	1442.0	1449.9	1455.1	1463.0	1465.1	1464.0
7.5°	1536.7	1556.5	1566.2	1579.4	1581.9	1588.7	1588.0
10°	1600.9	1620.3	1635.0	1646.5	1652.3	1659.6	1660.1
12.5°	1651.2	1667.7	1680.7	1691.4	1698.4	1700.7	1702.1
15°	1690.6	1708.9	1724.1	1739.3	1748.3	1755.0	1758.8
17.5°	1730.2	1758.6	1785.3	1806.0	1818.5	1828.9	1828.8
20°	1760.8	1793.3	1826.9	1850.5	1874.6	1885.1	1886.7
22.5°	1793.5	1843.3	1886.5	1923.1	1954.8	1965.7	1969.7
25°	1861.5	1926.5	1993.2	2044.6	2081.2	2102.7	2105.9
27.5°	1943.6	2031.6	2101.7	2149.1	2179.6	2195.5	2199.0
30°	2001.6	2082.8	2145.8	2181.4	2195.5	2197.7	2189.8
32.5°	2027.5	2088.3	2113.4	2111.3	2083.6	2065.1	2058.0
35°	1995.8	1983.2	1921.8	1848.5	1792.3	1756.7	1747.2
37.5°	1816.2	1707.7	1594.8	1483.9	1424.8	1394.8	1343.2
40°	1639.2	1484.5	1367.1	1273.7	1207.1	1153.6	1141.0
42.5°	1439.5	1279.8	1162.4	1082.4	1029.3	992.5	976.5
45°	1156.8	1019.4	922.4	861.0	820.1	793.3	781.3
47.5°	925.2	818.9	748.2	702.8	671.7	648.3	641.9
50°	798.1	713.2	653.4	615.1	591.5	573.7	566.3
52.5°	693.2	624.6	578.7	547.1	524.8	513.7	507.6
55°	572.1	512.8	479.8	454.6	442.0	433.1	428.9
57.5°	467.9	425.1	400.9	383.5	371.9	366.2	364.2
60°	409.5	376.0	354.0	340.3	332.4	325.1	323.1
62.5°	357.9	331.5	314.5	302.6	294.7	291.5	290.3
65°	288.4	271.1	258.5	251.2	244.9	243.9	243.3
67.5°	229.2	219.0	212.5	204.8	202.6	198.9	198.2
70°	196.1	189.2	181.5	178.8	176.2	172.5	173.1
72.5°	166.3	159.6	154.2	150.7	149.8	148.1	149.6
75°	121.7	119.6	117.4	114.8	113.8	113.8	113.3
77.5°	86.8	85.0	82.7	81.2	80.9	78.7	79.5
80°	62.9	60.3	59.3	59.8	58.2	57.7	57.7
82.5°	46.6	45.6	44.5	44.6	44.3	43.8	44.2
85°	25.7	25.1	25.1	24.6	24.6	24.1	24.1
87.5°	12.3	12.9	12.2	11.8	12.0	12.5	13.0
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	33.8	34.9	35.7	36.2	36.5	36.9	37.3
95°	64.5	65.7	66.6	66.9	67.3	67.6	67.9
97.5°	100.3	101.5	102.1	102.3	102.5	102.8	103.0
100°	125.5	127.1	128.2	128.5	128.8	129.2	129.5
102.5°	151.3	153.0	154.1	154.6	155.0	155.5	156.0
105°	191.9	193.0	193.7	194.3	194.8	195.3	195.8
107.5°	235.9	236.5	236.7	236.7	236.6	236.6	236.6
110°	266.9	267.4	267.6	267.4	267.2	267.1	266.9



TEST NUMBER: P333563-840

CATALOG NUMBER: S125RDIP-S850D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	297.6	297.9	297.9	297.5	297.2	296.9	296.6
115°	344.6	344.4	344.2	344.1	343.9	343.7	343.6
117.5°	392.2	392.4	392.1	391.4	390.7	390.0	389.3
120°	424.0	424.0	423.7	423.0	422.3	421.6	420.9
122.5°	455.2	455.0	454.7	454.1	453.6	453.0	452.5
125°	501.2	500.8	500.6	500.4	500.2	500.1	499.9
127.5°	547.1	547.0	546.7	546.4	546.0	545.7	545.3
130°	577.5	577.3	577.0	576.7	576.3	576.0	575.6
132.5°	606.5	606.4	606.0	605.6	605.1	604.6	604.1
135°	651.5	651.5	651.2	650.5	649.7	649.0	648.3
137.5°	695.2	695.4	695.1	694.2	693.4	692.5	691.6
140°	722.8	723.2	722.9	722.1	721.1	720.2	719.4
142.5°	749.5	749.7	749.4	748.5	747.7	746.8	745.9
145°	788.1	788.1	787.8	787.3	786.8	786.3	785.7
147.5°	824.5	824.9	824.5	823.2	822.0	820.9	819.7
150°	846.6	846.6	846.4	846.0	845.7	845.3	845.0
152.5°	868.0	868.4	868.3	867.7	867.1	866.5	865.8
155°	898.4	899.1	899.0	898.1	897.3	896.4	895.4
157.5°	924.4	925.1	924.9	923.7	922.6	921.4	920.3
160°	940.2	940.9	940.9	940.0	939.1	938.2	937.4
162.5°	955.2	956.0	955.9	954.9	953.9	952.9	951.9
165°	975.0	975.6	975.5	974.4	973.4	972.3	971.3
167.5°	990.1	991.2	991.1	990.1	989.0	987.8	986.7
170°	999.0	1000.0	999.9	998.7	997.4	996.2	995.0
172.5°	1005.2	1006.3	1006.3	1005.2	1004.1	1003.0	1001.9
175°	1012.4	1013.4	1013.3	1012.1	1010.9	1009.7	1008.5
177.5°	1015.3	1016.2	1016.1	1015.1	1014.2	1013.2	1012.2
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7

(END OF REPORT)