

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: P333576-840

Luminaire Tested: **S125RDIP-S850D1205U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333576-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D1205U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7677.3 lumens
Efficiency: N/A
Efficacy: 134.9 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

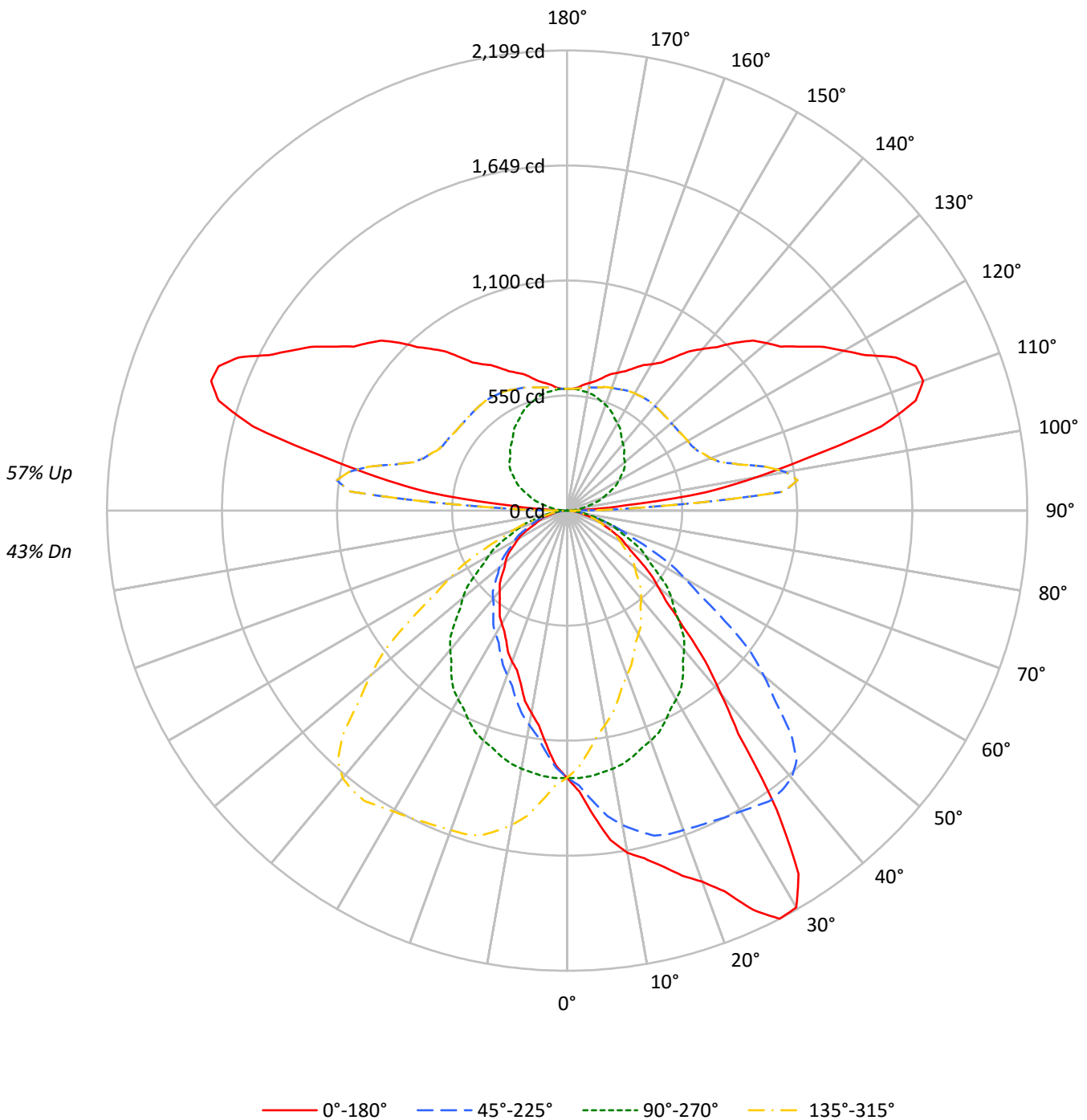
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43
1	97	92	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	75	70	80	74	69	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	50	47	45	42	39	35	33	31	27
4	74	63	56	50	67	58	52	47	49	44	40	40	36	34	32	29	27	24
5	68	57	49	43	62	52	45	40	44	39	35	36	32	29	29	26	24	21
6	63	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18
7	58	46	38	33	53	42	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	34	29	49	39	32	27	33	27	24	27	23	20	22	19	17	14
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	32	26	22	28	22	19	23	19	16	19	16	14	12

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: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.6
10°-20°	359.0	4.7
20°-30°	569.2	7.4
30°-40°	686.4	8.9
40°-50°	613.0	8.0
50°-60°	470.0	6.1
60°-70°	305.5	4.0
70°-80°	148.5	1.9
80°-90°	38.7	0.5
90°-100°	421.9	5.5
100°-110°	906.9	11.8
110°-120°	851.1	11.1
120°-130°	689.8	9.0
130°-140°	553.5	7.2
140°-150°	417.7	5.4
150°-160°	294.0	3.8
160°-170°	173.3	2.3
170°-180°	56.4	0.7
0°-30°	1050.6	13.7
0°-40°	1737.0	22.6
0°-60°	2820.0	36.7
0°-90°	3312.7	43.1
90°-120°	2179.9	28.4
90°-150°	3840.9	50.0
90°-180°	4365.0	56.9
0°-180°	7677.3	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°	27	1	27	1	27	20
95°	276	39	276	39	276	391
105°	1555	133	1555	133	1555	1545
115°	1732	237	1732	237	1732	1692
125°	1365	328	1365	328	1365	1235
135°	1134	385	1134	385	1134	878
145°	894	448	894	448	894	568
155°	750	512	750	512	750	349
165°	657	559	657	559	657	188
175°	590	581	590	581	590	57
180°	582	582	582	582	582	



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	14.6	14.2	13.5	13.5	13.9	14.3	13.7	13.0	12.8	12.5	12.5
90°	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1	20.0	18.8	16.5
92.5°	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9	306.3	378.3	384.5
95°	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6	1017.3	1039.7	848.4
97.5°	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5	1287.3	1110.2	757.6
100°	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3	1352.9	1059.6	675.9
102.5°	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2	1313.5	970.4	613.9
105°	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2	1187.5	850.7	553.8
107.5°	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8	1058.9	768.3	528.5
110°	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1	985.6	729.8	521.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2	931.2	707.3	521.0
115°	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5	871.8	683.0	524.5
117.5°	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0	836.4	671.0	532.3
120°	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3	816.7	665.3	539.8
122.5°	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9	799.8	660.7	546.3
125°	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1	776.8	654.8	557.3
127.5°	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5	755.7	652.0	569.8
130°	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1	741.6	650.1	577.3
132.5°	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5	730.3	650.1	585.7
135°	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0	717.0	650.1	597.2
137.5°	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3	705.0	651.5	607.8
140°	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1	699.3	652.4	612.5
142.5°	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9	694.7	653.4	615.3
145°	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0	687.6	652.4	618.4
147.5°	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0	680.3	649.3	619.6
150°	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5	674.7	646.5	619.6
152.5°	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2	668.1	642.8	618.6
155°	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0	657.1	636.0	616.0
157.5°	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0	646.8	628.9	613.0
160°	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6	638.3	624.3	610.2
162.5°	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3	630.9	618.6	607.3
165°	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9	619.6	610.2	603.1
167.5°	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3	608.5	602.0	596.5
170°	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8	602.0	597.2	593.8
172.5°	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4	595.4	591.7	590.0
175°	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3	586.7	585.5	585.5
177.5°	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9	583.0	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	12.7	12.2	12.4	11.9	11.0	12.7	13.4	13.6	13.0	12.7	12.3
90°	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2	2.3	4.6	7.1
92.5°	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3	17.4	27.3	41.8
95°	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7	39.9	49.3	62.2
97.5°	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3	65.7	72.3	85.2
100°	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1	84.5	89.2	102.1
102.5°	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9	103.3	107.0	120.9
105°	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6	132.6	138.5	150.2
107.5°	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6	165.0	170.6	180.3
110°	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2	186.6	191.3	201.9



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8	208.1	211.9	222.5
115°	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0	239.3	242.9	253.5
117.5°	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2	268.7	272.5	283.1
120°	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0	287.5	292.2	302.8
122.5°	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7	306.3	310.0	320.5
125°	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5	330.9	336.8	347.3
127.5°	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0	351.5	359.1	372.4
130°	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2	363.8	373.1	388.4
132.5°	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6	374.1	385.4	402.5
135°	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9	389.6	403.6	422.4
137.5°	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1	407.7	420.8	439.6
140°	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4	418.9	433.0	451.8
142.5°	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5	431.1	444.2	463.0
145°	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3	450.6	462.3	478.8
147.5°	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9	470.3	480.4	495.6
150°	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1	483.4	491.7	507.0
152.5°	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2	495.6	502.9	516.3
155°	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6	511.6	518.7	530.4
157.5°	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1	526.8	532.5	542.6
160°	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5	536.2	541.0	549.2
162.5°	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8	544.7	549.4	556.6
165°	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6	556.2	559.8	565.6
167.5°	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0	565.8	567.9	571.2
170°	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6	571.5	572.6	575.0
172.5°	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4	574.3	575.4	577.7
175°	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9	578.5	579.7	580.9
177.5°	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0	581.1	581.1	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	12.3	12.8	12.6	13.9	12.9	13.8	14.0	13.8	14.1	14.3	14.4
90°	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1	22.3	23.4	25.9
92.5°	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9	150.9	113.6	96.2
95°	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6	665.3	521.0	422.4
97.5°	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5	1131.5	990.9	853.7
100°	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3	1385.8	1265.0	1142.9
102.5°	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2	1541.7	1483.7	1401.1
105°	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2	1629.9	1681.5	1668.6
107.5°	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8	1551.3	1683.8	1745.1
110°	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1	1462.1	1627.5	1727.3



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2	1373.8	1541.2	1658.7
115°	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5	1247.4	1408.1	1536.0
117.5°	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0	1159.8	1298.3	1415.6
120°	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3	1110.0	1239.1	1342.4
122.5°	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9	1074.4	1189.4	1286.1
125°	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1	1026.7	1128.8	1213.4
127.5°	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5	981.2	1076.5	1155.6
130°	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1	949.3	1040.9	1117.1
132.5°	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5	919.3	1002.3	1075.8
135°	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0	873.0	948.2	1015.0
137.5°	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3	831.7	894.1	951.0
140°	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1	807.3	861.3	910.6
142.5°	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9	786.7	833.1	875.9
145°	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0	760.3	796.8	828.4
147.5°	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0	738.5	766.5	790.4
150°	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5	726.4	748.6	769.7
152.5°	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2	714.2	734.6	751.0
155°	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0	695.8	712.3	725.2
157.5°	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0	678.4	691.2	701.3
160°	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6	665.3	677.0	685.3
162.5°	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3	654.1	663.9	671.2
165°	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9	637.1	644.2	650.1
167.5°	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3	620.8	626.1	630.4
170°	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8	611.4	614.9	617.2
172.5°	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4	602.9	605.5	606.9
175°	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3	590.3	592.6	592.6
177.5°	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9	584.8	584.8	584.8
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	14.8	14.4	14.6	14.6	14.6	14.4	14.8	14.4	14.3	14.1	13.8
90°	25.9	25.9	27.0	27.0	27.0	25.9	25.9	25.9	23.4	22.3	21.1
92.5°	81.2	78.4	76.7	74.8	76.7	78.4	81.2	96.2	113.6	150.9	207.9
95°	339.1	303.9	294.6	275.8	294.6	303.9	339.1	422.4	521.0	665.3	843.6
97.5°	781.2	715.6	681.6	666.5	681.6	715.6	781.2	853.7	990.9	1131.5	1256.5
100°	1062.0	977.4	934.0	915.2	934.0	977.4	1062.0	1142.9	1265.0	1385.8	1443.3
102.5°	1314.4	1254.4	1207.2	1193.2	1207.2	1254.4	1314.4	1401.1	1483.7	1541.7	1506.2
105°	1631.0	1592.4	1568.8	1554.8	1568.8	1592.4	1631.0	1668.6	1681.5	1629.9	1469.2
107.5°	1764.1	1763.9	1756.2	1746.8	1756.2	1763.9	1764.1	1745.1	1683.8	1551.3	1336.8
110°	1780.1	1802.4	1810.6	1810.6	1810.6	1802.4	1780.1	1727.3	1627.5	1462.1	1239.1



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1736.0	1774.2	1794.6	1803.1	1794.6	1774.2	1736.0	1658.7	1541.2	1373.8	1162.2
115°	1627.5	1683.8	1716.7	1731.9	1716.7	1683.8	1627.5	1536.0	1408.1	1247.4	1065.5
117.5°	1507.1	1565.4	1598.0	1607.3	1598.0	1565.4	1507.1	1415.6	1298.3	1159.8	1003.0
120°	1429.3	1485.5	1517.2	1526.6	1517.2	1485.5	1429.3	1342.4	1239.1	1110.0	969.3
122.5°	1363.5	1415.1	1446.8	1455.3	1446.8	1415.1	1363.5	1286.1	1189.4	1074.4	943.9
125°	1279.0	1327.2	1352.9	1364.7	1352.9	1327.2	1279.0	1213.4	1128.8	1026.7	907.1
127.5°	1215.2	1257.7	1282.1	1287.3	1282.1	1257.7	1215.2	1155.6	1076.5	981.2	869.5
130°	1175.8	1214.5	1238.0	1245.0	1238.0	1214.5	1175.8	1117.1	1040.9	949.3	846.1
132.5°	1134.5	1173.2	1194.8	1202.7	1194.8	1173.2	1134.5	1075.8	1002.3	919.3	822.5
135°	1066.6	1105.4	1126.5	1133.6	1126.5	1105.4	1066.6	1015.0	948.2	873.0	792.0
137.5°	997.1	1032.4	1051.9	1059.6	1051.9	1032.4	997.1	951.0	894.1	831.7	766.3
140°	954.0	984.5	1002.1	1007.9	1002.1	984.5	954.0	910.6	861.3	807.3	752.1
142.5°	912.7	938.5	955.1	960.1	955.1	938.5	912.7	875.9	833.1	786.7	739.9
145°	856.6	876.6	889.5	894.1	889.5	876.6	856.6	828.4	796.8	760.3	724.0
147.5°	812.7	828.7	836.2	838.3	836.2	828.7	812.7	790.4	766.5	738.5	709.0
150°	787.4	801.4	806.2	807.3	806.2	801.4	787.4	769.7	748.6	726.4	700.5
152.5°	765.8	777.0	781.7	782.9	781.7	777.0	765.8	751.0	734.6	714.2	691.2
155°	736.9	745.1	748.6	749.8	748.6	745.1	736.9	725.2	712.3	695.8	677.0
157.5°	710.3	717.2	720.4	720.2	720.4	717.2	710.3	701.3	691.2	678.4	663.0
160°	693.5	699.3	701.8	700.5	701.8	699.3	693.5	685.3	677.0	665.3	653.6
162.5°	677.5	682.5	683.0	682.7	683.0	682.5	677.5	671.2	663.9	654.1	643.3
165°	654.8	657.1	657.1	657.1	657.1	657.1	654.8	650.1	644.2	637.1	628.9
167.5°	632.7	634.8	633.9	633.7	633.9	634.8	632.7	630.4	626.1	620.8	615.3
170°	619.6	620.8	620.8	619.6	620.8	620.8	619.6	617.2	614.9	611.4	607.8
172.5°	607.3	609.5	607.6	606.4	607.6	609.5	607.3	606.9	605.5	602.9	599.4
175°	592.6	593.8	591.4	590.3	591.4	593.8	592.6	592.6	592.6	590.3	590.3
177.5°	583.9	584.8	582.0	582.0	582.0	584.8	583.9	584.8	584.8	584.8	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	14.0	13.8	12.9	13.9	12.6	12.8	12.3	12.3	12.7	13.0	13.6
90°	20.0	18.8	16.5	15.2	12.9	11.7	9.4	7.1	4.6	2.3	1.2
92.5°	306.3	378.3	384.5	267.8	160.3	96.2	62.0	41.8	27.3	17.4	14.3
95°	1017.3	1039.7	848.4	524.5	266.4	140.8	88.0	62.2	49.3	39.9	38.7
97.5°	1287.3	1110.2	757.6	418.7	229.5	146.4	108.5	85.2	72.3	65.7	64.3
100°	1352.9	1059.6	675.9	380.2	227.6	159.6	124.4	102.1	89.2	84.5	82.1
102.5°	1313.5	970.4	613.9	364.3	236.1	175.5	141.3	120.9	107.0	103.3	101.9
105°	1187.5	850.7	553.8	357.9	253.5	201.9	169.0	150.2	138.5	132.6	132.6
107.5°	1058.9	768.3	528.5	368.7	279.2	229.2	199.8	180.3	170.6	165.0	162.6
110°	985.6	729.8	521.0	379.0	298.0	249.9	219.4	201.9	191.3	186.6	184.2



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	931.2	707.3	521.0	392.1	315.9	269.6	240.0	222.5	211.9	208.1	205.8
115°	871.8	683.0	524.5	411.8	343.9	300.4	271.0	253.5	242.9	239.3	237.0
117.5°	836.4	671.0	532.3	434.4	372.4	331.3	303.0	283.1	272.5	268.7	265.2
120°	816.7	665.3	539.8	449.4	393.1	352.0	322.7	302.8	292.2	287.5	284.0
122.5°	799.8	660.7	546.3	466.4	412.8	371.7	342.4	320.5	310.0	306.3	303.7
125°	776.8	654.8	557.3	489.3	438.9	400.1	369.6	347.3	336.8	330.9	328.5
127.5°	755.7	652.0	569.8	510.5	463.9	426.7	396.2	372.4	359.1	351.5	348.0
130°	741.6	650.1	577.3	524.5	479.9	443.5	413.0	388.4	373.1	363.8	360.2
132.5°	730.3	650.1	585.7	536.7	494.9	458.6	428.1	402.5	385.4	374.1	369.6
135°	717.0	650.1	597.2	553.8	515.1	478.8	447.1	422.4	403.6	389.6	384.9
137.5°	705.0	651.5	607.8	566.5	529.5	496.3	463.7	439.6	420.8	407.7	404.1
140°	699.3	652.4	612.5	575.0	539.8	505.7	474.0	451.8	433.0	418.9	415.4
142.5°	694.7	653.4	615.3	579.7	546.3	514.2	484.4	463.0	444.2	431.1	428.5
145°	687.6	652.4	618.4	586.7	557.3	526.8	499.9	478.8	462.3	450.6	448.3
147.5°	680.3	649.3	619.6	591.0	564.4	537.7	513.9	495.6	480.4	470.3	468.9
150°	674.7	646.5	619.6	593.8	569.1	543.3	523.3	507.0	491.7	483.4	481.1
152.5°	668.1	642.8	618.6	595.6	573.8	549.9	531.8	516.3	502.9	495.6	494.2
155°	657.1	636.0	616.0	597.2	578.5	558.6	542.1	530.4	518.7	511.6	511.6
157.5°	646.8	628.9	613.0	598.4	582.5	565.3	552.9	542.6	532.5	526.8	527.1
160°	638.3	624.3	610.2	598.4	584.4	569.1	558.6	549.2	541.0	536.2	537.5
162.5°	630.9	618.6	607.3	597.5	586.2	572.9	564.2	556.6	549.4	544.7	545.8
165°	619.6	610.2	603.1	596.1	586.7	577.3	570.3	565.6	559.8	556.2	558.6
167.5°	608.5	602.0	596.5	593.3	586.7	579.0	574.5	571.2	567.9	565.8	567.0
170°	602.0	597.2	593.8	591.4	586.7	580.9	577.3	575.0	572.6	571.5	572.6
172.5°	595.4	591.7	590.0	589.6	585.7	580.9	579.2	577.7	575.4	574.3	576.4
175°	586.7	585.5	585.5	586.7	584.4	580.9	580.9	580.9	579.7	578.5	580.9
177.5°	583.0	582.0	582.0	583.9	583.0	581.1	581.1	582.0	581.1	581.1	583.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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	12.7	11.0	11.9	12.4	12.2	12.7	12.5	12.5	12.8	13.0
90°	2.3	4.6	7.1	9.4	11.7	12.9	15.2	16.5	18.8	20.0	21.1
92.5°	17.4	27.3	41.8	62.0	96.2	160.3	267.8	384.5	378.3	306.3	207.9
95°	39.9	49.3	62.2	88.0	140.8	266.4	524.5	848.4	1039.7	1017.3	843.6
97.5°	65.7	72.3	85.2	108.5	146.4	229.5	418.7	757.6	1110.2	1287.3	1256.5
100°	84.5	89.2	102.1	124.4	159.6	227.6	380.2	675.9	1059.6	1352.9	1443.3
102.5°	103.3	107.0	120.9	141.3	175.5	236.1	364.3	613.9	970.4	1313.5	1506.2
105°	132.6	138.5	150.2	169.0	201.9	253.5	357.9	553.8	850.7	1187.5	1469.2
107.5°	165.0	170.6	180.3	199.8	229.2	279.2	368.7	528.5	768.3	1058.9	1336.8
110°	186.6	191.3	201.9	219.4	249.9	298.0	379.0	521.0	729.8	985.6	1239.1



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	208.1	211.9	222.5	240.0	269.6	315.9	392.1	521.0	707.3	931.2	1162.2
115°	239.3	242.9	253.5	271.0	300.4	343.9	411.8	524.5	683.0	871.8	1065.5
117.5°	268.7	272.5	283.1	303.0	331.3	372.4	434.4	532.3	671.0	836.4	1003.0
120°	287.5	292.2	302.8	322.7	352.0	393.1	449.4	539.8	665.3	816.7	969.3
122.5°	306.3	310.0	320.5	342.4	371.7	412.8	466.4	546.3	660.7	799.8	943.9
125°	330.9	336.8	347.3	369.6	400.1	438.9	489.3	557.3	654.8	776.8	907.1
127.5°	351.5	359.1	372.4	396.2	426.7	463.9	510.5	569.8	652.0	755.7	869.5
130°	363.8	373.1	388.4	413.0	443.5	479.9	524.5	577.3	650.1	741.6	846.1
132.5°	374.1	385.4	402.5	428.1	458.6	494.9	536.7	585.7	650.1	730.3	822.5
135°	389.6	403.6	422.4	447.1	478.8	515.1	553.8	597.2	650.1	717.0	792.0
137.5°	407.7	420.8	439.6	463.7	496.3	529.5	566.5	607.8	651.5	705.0	766.3
140°	418.9	433.0	451.8	474.0	505.7	539.8	575.0	612.5	652.4	699.3	752.1
142.5°	431.1	444.2	463.0	484.4	514.2	546.3	579.7	615.3	653.4	694.7	739.9
145°	450.6	462.3	478.8	499.9	526.8	557.3	586.7	618.4	652.4	687.6	724.0
147.5°	470.3	480.4	495.6	513.9	537.7	564.4	591.0	619.6	649.3	680.3	709.0
150°	483.4	491.7	507.0	523.3	543.3	569.1	593.8	619.6	646.5	674.7	700.5
152.5°	495.6	502.9	516.3	531.8	549.9	573.8	595.6	618.6	642.8	668.1	691.2
155°	511.6	518.7	530.4	542.1	558.6	578.5	597.2	616.0	636.0	657.1	677.0
157.5°	526.8	532.5	542.6	552.9	565.3	582.5	598.4	613.0	628.9	646.8	663.0
160°	536.2	541.0	549.2	558.6	569.1	584.4	598.4	610.2	624.3	638.3	653.6
162.5°	544.7	549.4	556.6	564.2	572.9	586.2	597.5	607.3	618.6	630.9	643.3
165°	556.2	559.8	565.6	570.3	577.3	586.7	596.1	603.1	610.2	619.6	628.9
167.5°	565.8	567.9	571.2	574.5	579.0	586.7	593.3	596.5	602.0	608.5	615.3
170°	571.5	572.6	575.0	577.3	580.9	586.7	591.4	593.8	597.2	602.0	607.8
172.5°	574.3	575.4	577.7	579.2	580.9	585.7	589.6	590.0	591.7	595.4	599.4
175°	578.5	579.7	580.9	580.9	580.9	584.4	586.7	585.5	585.5	586.7	590.3
177.5°	581.1	581.1	582.0	581.1	581.1	583.0	583.9	582.0	582.0	583.0	583.9
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

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°	13.7	14.3	13.9	13.5	13.5	14.2	14.6
90°	22.3	23.4	25.9	25.9	25.9	27.0	27.0
92.5°	150.9	113.6	96.2	81.2	78.4	76.7	74.8
95°	665.3	521.0	422.4	339.1	303.9	294.6	275.8
97.5°	1131.5	990.9	853.7	781.2	715.6	681.6	666.5
100°	1385.8	1265.0	1142.9	1062.0	977.4	934.0	915.2
102.5°	1541.7	1483.7	1401.1	1314.4	1254.4	1207.2	1193.2
105°	1629.9	1681.5	1668.6	1631.0	1592.4	1568.8	1554.8
107.5°	1551.3	1683.8	1745.1	1764.1	1763.9	1756.2	1746.8
110°	1462.1	1627.5	1727.3	1780.1	1802.4	1810.6	1810.6



TEST NUMBER: P333576-840

CATALOG NUMBER: S125RDIP-S850D1205U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1373.8	1541.2	1658.7	1736.0	1774.2	1794.6	1803.1
115°	1247.4	1408.1	1536.0	1627.5	1683.8	1716.7	1731.9
117.5°	1159.8	1298.3	1415.6	1507.1	1565.4	1598.0	1607.3
120°	1110.0	1239.1	1342.4	1429.3	1485.5	1517.2	1526.6
122.5°	1074.4	1189.4	1286.1	1363.5	1415.1	1446.8	1455.3
125°	1026.7	1128.8	1213.4	1279.0	1327.2	1352.9	1364.7
127.5°	981.2	1076.5	1155.6	1215.2	1257.7	1282.1	1287.3
130°	949.3	1040.9	1117.1	1175.8	1214.5	1238.0	1245.0
132.5°	919.3	1002.3	1075.8	1134.5	1173.2	1194.8	1202.7
135°	873.0	948.2	1015.0	1066.6	1105.4	1126.5	1133.6
137.5°	831.7	894.1	951.0	997.1	1032.4	1051.9	1059.6
140°	807.3	861.3	910.6	954.0	984.5	1002.1	1007.9
142.5°	786.7	833.1	875.9	912.7	938.5	955.1	960.1
145°	760.3	796.8	828.4	856.6	876.6	889.5	894.1
147.5°	738.5	766.5	790.4	812.7	828.7	836.2	838.3
150°	726.4	748.6	769.7	787.4	801.4	806.2	807.3
152.5°	714.2	734.6	751.0	765.8	777.0	781.7	782.9
155°	695.8	712.3	725.2	736.9	745.1	748.6	749.8
157.5°	678.4	691.2	701.3	710.3	717.2	720.4	720.2
160°	665.3	677.0	685.3	693.5	699.3	701.8	700.5
162.5°	654.1	663.9	671.2	677.5	682.5	683.0	682.7
165°	637.1	644.2	650.1	654.8	657.1	657.1	657.1
167.5°	620.8	626.1	630.4	632.7	634.8	633.9	633.7
170°	611.4	614.9	617.2	619.6	620.8	620.8	619.6
172.5°	602.9	605.5	606.9	607.3	609.5	607.6	606.4
175°	590.3	592.6	592.6	592.6	593.8	591.4	590.3
177.5°	584.8	584.8	584.8	583.9	584.8	582.0	582.0
180°	582.0	582.0	582.0	582.0	582.0	582.0	582.0

(END OF REPORT)