

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: P333570-840

Luminaire Tested: **S125RDIP-S850D1035U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333570-840
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-S850D1035U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7062.0 lumens
Efficiency: N/A
Efficacy: 135.8 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

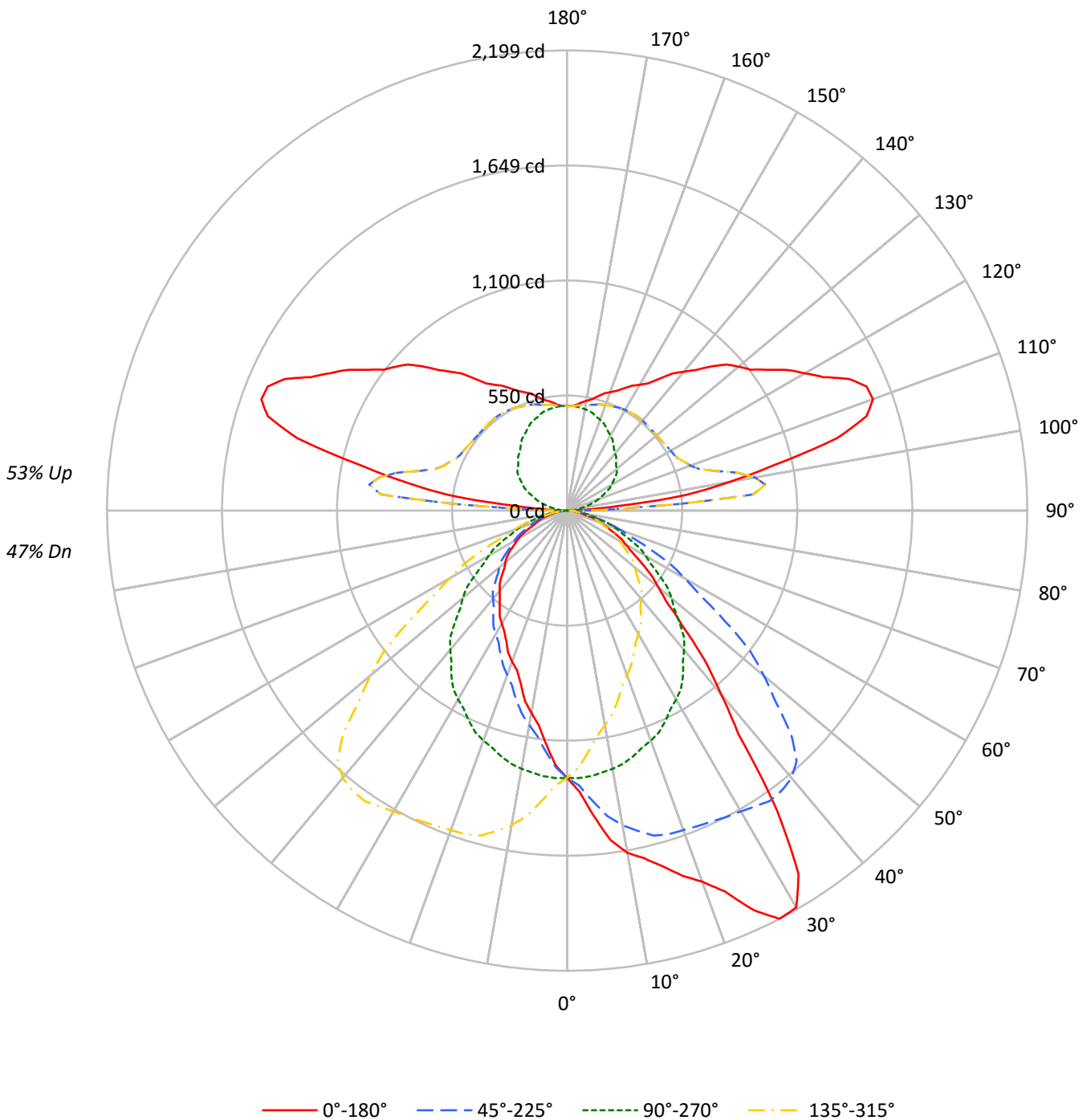
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46				40	
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	42	41	39				34	
3	81	72	65	60	75	67	61	56	56	52	48	47	44	41	38	36	34				29	
4	75	64	56	51	68	59	53	47	50	45	41	42	38	35	34	31	29				26	
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26				22	
6	63	51	43	38	58	48	41	36	41	35	31	34	30	27	28	25	23				20	
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	26	23	20				18	
8	54	42	35	29	50	39	32	28	34	28	24	28	24	21	23	20	18				16	
9	51	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16				14	
10	47	35	28	23	43	33	27	22	28	23	20	24	20	17	20	17	15				13	

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.7
10°-20°	359.0	5.1
20°-30°	569.2	8.1
30°-40°	686.4	9.7
40°-50°	613.0	8.7
50°-60°	470.0	6.7
60°-70°	305.5	4.3
70°-80°	148.5	2.1
80°-90°	38.2	0.5
90°-100°	362.4	5.1
100°-110°	779.1	11.0
110°-120°	731.2	10.4
120°-130°	592.6	8.4
130°-140°	475.6	6.7
140°-150°	358.9	5.1
150°-160°	252.6	3.6
160°-170°	148.9	2.1
170°-180°	48.4	0.7
0°-30°	1050.6	14.9
0°-40°	1737.0	24.6
0°-60°	2820.0	39.9
0°-90°	3312.2	46.9
90°-120°	1872.8	26.5
90°-150°	3299.8	46.7
90°-180°	3750.0	53.1
0°-180°	7062.0	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°	23	1	23	1	23	17
95°	237	33	237	33	237	336
105°	1336	114	1336	114	1336	1328
115°	1488	204	1488	204	1488	1454
125°	1172	282	1172	282	1172	1061
135°	974	331	974	331	974	755
145°	768	385	768	385	768	488
155°	644	440	644	440	644	300
165°	564	480	564	480	564	161
175°	507	499	507	499	507	49
180°	500	500	500	500	500	



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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°	13.8	13.4	12.8	12.8	13.2	13.6	13.0	12.4	12.2	12.0	12.0
90°	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2	17.2	16.2	14.1
92.5°	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6	263.1	325.0	330.2
95°	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9	874.0	893.2	728.9
97.5°	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5	1105.9	953.9	650.9
100°	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0	1162.4	910.3	580.7
102.5°	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0	1128.5	833.7	527.5
105°	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1	1020.3	730.8	475.8
107.5°	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4	909.7	660.1	454.0
110°	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6	846.8	627.0	447.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5	800.0	607.7	447.6
115°	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3	749.0	586.7	450.6
117.5°	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7	718.6	576.4	457.3
120°	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7	701.7	571.6	463.7
122.5°	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9	687.1	567.5	469.4
125°	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3	667.4	562.5	478.9
127.5°	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0	649.2	560.1	489.6
130°	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9	637.1	558.5	496.0
132.5°	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7	627.4	558.5	503.2
135°	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4	615.9	558.5	513.1
137.5°	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3	605.7	559.7	522.2
140°	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2	600.9	560.5	526.2
142.5°	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7	596.8	561.3	528.7
145°	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0	590.8	560.5	531.3
147.5°	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2	584.5	557.8	532.3
150°	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9	579.7	555.4	532.3
152.5°	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8	574.0	552.3	531.5
155°	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7	564.5	546.4	529.3
157.5°	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6	555.6	540.4	526.6
160°	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5	548.5	536.3	524.2
162.5°	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7	542.0	531.5	521.8
165°	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4	532.3	524.2	518.2
167.5°	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7	522.8	517.2	512.5
170°	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2	517.2	513.1	510.1
172.5°	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9	511.5	508.3	506.9
175°	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1	504.0	503.0	503.0
177.5°	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6	500.8	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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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°	12.2	11.9	12.1	11.7	10.9	12.5	13.4	13.6	13.0	12.5	12.1
90°	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0	2.0	4.0	6.1
92.5°	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3	14.9	23.4	35.9
95°	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2	34.2	42.3	53.4
97.5°	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2	56.5	62.1	73.2
100°	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6	72.6	76.6	87.7
102.5°	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6	88.7	91.9	103.8
105°	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9	113.9	119.0	129.1
107.5°	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8	141.8	146.5	154.8
110°	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2	160.3	164.3	173.4



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8	178.8	182.1	191.2
115°	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7	205.6	208.6	217.7
117.5°	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8	230.9	234.1	243.2
120°	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0	247.0	251.1	260.1
122.5°	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9	263.1	266.3	275.4
125°	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3	284.3	289.3	298.4
127.5°	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0	302.1	308.5	320.0
130°	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5	312.6	320.6	333.7
132.5°	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6	321.3	331.0	345.8
135°	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6	334.7	346.8	362.9
137.5°	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2	350.2	361.5	377.7
140°	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9	359.9	372.0	388.1
142.5°	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2	370.4	381.6	397.8
145°	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1	387.1	397.2	411.3
147.5°	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8	404.0	412.7	425.9
150°	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3	415.4	422.4	435.6
152.5°	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6	425.9	432.1	443.5
155°	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5	439.5	445.6	455.7
157.5°	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8	452.6	457.5	466.2
160°	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7	460.7	464.7	471.8
162.5°	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0	468.0	472.0	478.3
165°	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9	477.9	480.9	485.9
167.5°	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2	486.1	488.0	490.8
170°	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0	491.0	492.0	494.0
172.5°	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2	493.4	494.4	496.3
175°	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0	497.0	498.0	499.0
177.5°	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8	499.2	499.2	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-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°	12.1	12.5	12.3	13.5	12.4	13.3	13.5	13.2	13.4	13.6	13.6
90°	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2	19.2	20.2	22.2
92.5°	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6	129.7	97.6	82.7
95°	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9	571.6	447.6	362.9
97.5°	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5	972.0	851.2	733.5
100°	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0	1190.6	1086.7	981.9
102.5°	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0	1324.4	1274.7	1203.7
105°	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1	1400.3	1444.6	1433.5
107.5°	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4	1332.7	1446.6	1499.2
110°	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6	1256.1	1398.3	1484.0



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5	1180.3	1324.0	1425.1
115°	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3	1071.7	1209.7	1319.6
117.5°	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7	996.4	1115.4	1216.2
120°	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7	953.7	1064.6	1153.3
122.5°	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9	923.0	1021.8	1104.9
125°	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3	882.1	969.8	1042.4
127.5°	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0	843.0	924.8	992.8
130°	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9	815.6	894.2	959.8
132.5°	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7	789.7	861.1	924.2
135°	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4	750.0	814.6	872.0
137.5°	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3	714.6	768.2	817.0
140°	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2	693.6	739.9	782.3
142.5°	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7	675.8	715.8	752.5
145°	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0	653.3	684.5	711.8
147.5°	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2	634.5	658.5	679.0
150°	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9	624.0	643.2	661.4
152.5°	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8	613.5	631.1	645.2
155°	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7	597.8	612.0	623.0
157.5°	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6	582.9	593.8	602.5
160°	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5	571.6	581.7	588.8
162.5°	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7	561.9	570.4	576.6
165°	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4	547.4	553.5	558.5
167.5°	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7	533.3	538.0	541.6
170°	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2	525.2	528.3	530.3
172.5°	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9	518.0	520.2	521.4
175°	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1	507.1	509.1	509.1
177.5°	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6	502.4	502.4	502.4
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-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°	14.0	13.6	13.8	13.8	13.8	13.6	14.0	13.6	13.6	13.4	13.2
90°	22.2	22.2	23.2	23.2	23.2	22.2	22.2	22.2	20.2	19.2	18.2
92.5°	69.8	67.4	65.9	64.3	65.9	67.4	69.8	82.7	97.6	129.7	178.6
95°	291.3	261.2	253.1	236.9	253.1	261.2	291.3	362.9	447.6	571.6	724.9
97.5°	671.3	614.7	585.5	572.6	585.5	614.7	671.3	733.5	851.2	972.0	1079.5
100°	912.3	839.8	802.4	786.4	802.4	839.8	912.3	981.9	1086.7	1190.6	1240.0
102.5°	1129.3	1077.7	1037.1	1025.0	1037.1	1077.7	1129.3	1203.7	1274.7	1324.4	1294.0
105°	1401.3	1368.1	1347.9	1335.7	1347.9	1368.1	1401.3	1433.5	1444.6	1400.3	1262.1
107.5°	1515.6	1515.4	1508.7	1500.7	1508.7	1515.4	1515.6	1499.2	1446.6	1332.7	1148.4
110°	1529.3	1548.4	1555.5	1555.5	1555.5	1548.4	1529.3	1484.0	1398.3	1256.1	1064.6



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1491.4	1524.3	1541.9	1549.0	1541.9	1524.3	1491.4	1425.1	1324.0	1180.3	998.5
115°	1398.3	1446.6	1474.9	1488.0	1474.9	1446.6	1398.3	1319.6	1209.7	1071.7	915.3
117.5°	1294.8	1344.8	1372.8	1380.9	1372.8	1344.8	1294.8	1216.2	1115.4	996.4	861.7
120°	1227.9	1276.3	1303.5	1311.6	1303.5	1276.3	1227.9	1153.3	1064.6	953.7	832.7
122.5°	1171.4	1215.8	1243.0	1250.3	1243.0	1215.8	1171.4	1104.9	1021.8	923.0	810.9
125°	1098.8	1140.1	1162.4	1172.5	1162.4	1140.1	1098.8	1042.4	969.8	882.1	779.3
127.5°	1044.0	1080.5	1101.5	1105.9	1101.5	1080.5	1044.0	992.8	924.8	843.0	747.0
130°	1010.2	1043.4	1063.6	1069.6	1063.6	1043.4	1010.2	959.8	894.2	815.6	726.9
132.5°	974.6	1007.9	1026.4	1033.3	1026.4	1007.9	974.6	924.2	861.1	789.7	706.7
135°	916.4	949.7	967.8	973.8	967.8	949.7	916.4	872.0	814.6	750.0	680.4
137.5°	856.7	887.0	903.7	910.3	903.7	887.0	856.7	817.0	768.2	714.6	658.3
140°	819.6	845.9	860.9	866.0	860.9	845.9	819.6	782.3	739.9	693.6	646.2
142.5°	784.2	806.3	820.6	824.9	820.6	806.3	784.2	752.5	715.8	675.8	635.7
145°	735.9	753.1	764.2	768.2	764.2	753.1	735.9	711.8	684.5	653.3	622.0
147.5°	698.2	712.0	718.4	720.2	718.4	712.0	698.2	679.0	658.5	634.5	609.2
150°	676.4	688.5	692.6	693.6	692.6	688.5	676.4	661.4	643.2	624.0	601.9
152.5°	657.9	667.6	671.6	672.6	671.6	667.6	657.9	645.2	631.1	613.5	593.8
155°	633.1	640.2	643.2	644.2	643.2	640.2	633.1	623.0	612.0	597.8	581.7
157.5°	610.4	616.1	618.9	618.7	618.9	616.1	610.4	602.5	593.8	582.9	569.6
160°	595.8	600.9	602.9	601.9	602.9	600.9	595.8	588.8	581.7	571.6	561.5
162.5°	582.1	586.3	586.7	586.5	586.7	586.3	582.1	576.6	570.4	561.9	552.7
165°	562.5	564.5	564.5	564.5	564.5	564.5	562.5	558.5	553.5	547.4	540.4
167.5°	543.6	545.4	544.6	544.4	544.6	545.4	543.6	541.6	538.0	533.3	528.7
170°	532.3	533.3	533.3	532.3	533.3	533.3	532.3	530.3	528.3	525.2	522.2
172.5°	521.8	523.6	522.0	521.0	522.0	523.6	521.8	521.4	520.2	518.0	514.9
175°	509.1	510.1	508.1	507.1	508.1	510.1	509.1	509.1	509.1	507.1	507.1
177.5°	501.6	502.4	500.0	500.0	500.0	502.4	501.6	502.4	502.4	502.4	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-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°	13.5	13.3	12.4	13.5	12.3	12.5	12.1	12.1	12.5	13.0	13.6
90°	17.2	16.2	14.1	13.1	11.1	10.1	8.1	6.1	4.0	2.0	1.0
92.5°	263.1	325.0	330.2	230.0	137.7	82.7	53.2	35.9	23.4	14.9	12.3
95°	874.0	893.2	728.9	450.6	228.8	121.0	75.6	53.4	42.3	34.2	33.2
97.5°	1105.9	953.9	650.9	359.7	197.2	125.8	93.1	73.2	62.1	56.5	55.2
100°	1162.4	910.3	580.7	326.6	195.6	137.1	106.8	87.7	76.6	72.6	70.6
102.5°	1128.5	833.7	527.5	313.0	202.9	150.8	121.4	103.8	91.9	88.7	87.6
105°	1020.3	730.8	475.8	307.5	217.7	173.4	145.2	129.1	119.0	113.9	113.9
107.5°	909.7	660.1	454.0	316.8	239.9	197.0	171.6	154.8	146.5	141.8	139.8
110°	846.8	627.0	447.6	325.6	256.1	214.7	188.5	173.4	164.3	160.3	158.2



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	800.0	607.7	447.6	336.9	271.4	231.7	206.2	191.2	182.1	178.8	176.8
115°	749.0	586.7	450.6	353.9	295.4	258.1	232.9	217.7	208.6	205.6	203.7
117.5°	718.6	576.4	457.3	373.2	320.0	284.7	260.3	243.2	234.1	230.9	227.8
120°	701.7	571.6	463.7	386.1	337.7	302.5	277.2	260.1	251.1	247.0	244.0
122.5°	687.1	567.5	469.4	400.6	354.7	319.4	294.2	275.4	266.3	263.1	260.9
125°	667.4	562.5	478.9	420.4	377.1	343.8	317.6	298.4	289.3	284.3	282.3
127.5°	649.2	560.1	489.6	438.5	398.6	366.6	340.3	320.0	308.5	302.1	299.0
130°	637.1	558.5	496.0	450.6	412.3	381.0	354.9	333.7	320.6	312.6	309.5
132.5°	627.4	558.5	503.2	461.1	425.3	393.9	367.8	345.8	331.0	321.3	317.6
135°	615.9	558.5	513.1	475.8	442.5	411.3	384.1	362.9	346.8	334.7	330.6
137.5°	605.7	559.7	522.2	486.8	454.8	426.5	398.4	377.7	361.5	350.2	347.2
140°	600.9	560.5	526.2	494.0	463.7	434.5	407.3	388.1	372.0	359.9	356.9
142.5°	596.8	561.3	528.7	498.0	469.4	441.7	416.2	397.8	381.6	370.4	368.2
145°	590.8	560.5	531.3	504.0	478.9	452.6	429.5	411.3	397.2	387.1	385.1
147.5°	584.5	557.8	532.3	507.7	484.9	461.9	441.5	425.9	412.7	404.0	402.8
150°	579.7	555.4	532.3	510.1	489.0	466.8	449.6	435.6	422.4	415.4	413.3
152.5°	574.0	552.3	531.5	511.7	493.0	472.4	456.9	443.5	432.1	425.9	424.6
155°	564.5	546.4	529.3	513.1	497.0	479.9	465.7	455.7	445.6	439.5	439.5
157.5°	555.6	540.4	526.6	514.1	500.4	485.7	475.0	466.2	457.5	452.6	452.8
160°	548.5	536.3	524.2	514.1	502.0	489.0	479.9	471.8	464.7	460.7	461.7
162.5°	542.0	531.5	521.8	513.3	503.6	492.2	484.7	478.3	472.0	468.0	469.0
165°	532.3	524.2	518.2	512.1	504.0	496.0	490.0	485.9	480.9	477.9	479.9
167.5°	522.8	517.2	512.5	509.7	504.0	497.4	493.6	490.8	488.0	486.1	487.2
170°	517.2	513.1	510.1	508.1	504.0	499.0	496.0	494.0	492.0	491.0	492.0
172.5°	511.5	508.3	506.9	506.4	503.2	499.0	497.6	496.3	494.4	493.4	495.2
175°	504.0	503.0	503.0	504.0	502.0	499.0	499.0	499.0	498.0	497.0	499.0
177.5°	500.8	500.0	500.0	501.6	500.8	499.2	499.2	500.0	499.2	499.2	500.8
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



TEST NUMBER: P333570-840

CATALOG NUMBER: S125RDIP-S850D1035U840-4F0-1E-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	12.5	10.9	11.7	12.1	11.9	12.2	12.0	12.0	12.2	12.4
90°	2.0	4.0	6.1	8.1	10.1	11.1	13.1	14.1	16.2	17.2	18.2
92.5°	14.9	23.4	35.9	53.2	82.7	137.7	230.0	330.2	325.0	263.1	178.6
95°	34.2	42.3	53.4	75.6	121.0	228.8	450.6	728.9	893.2	874.0	724.9
97.5°	56.5	62.1	73.2	93.1	125.8	197.2	359.7	650.9	953.9	1105.9	1079.5
100°	72.6	76.6	87.7	106.8	137.1	195.6	326.6	580.7	910.3	1162.4	1240.0
102.5°	88.7	91.9	103.8	121.4	150.8	202.9	313.0	527.5	833.7	1128.5	1294.0
105°	113.9	119.0	129.1	145.2	173.4	217.7	307.5	475.8	730.8	1020.3	1262.1
107.5°	141.8	146.5	154.8	171.6	197.0	239.9	316.8	454.0	660.1	909.7	1148.4
110°	160.3	164.3	173.4	188.5	214.7	256.1	325.6	447.6	627.0	846.8	1064.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	178.8	182.1	191.2	206.2	231.7	271.4	336.9	447.6	607.7	800.0	998.5
115°	205.6	208.6	217.7	232.9	258.1	295.4	353.9	450.6	586.7	749.0	915.3
117.5°	230.9	234.1	243.2	260.3	284.7	320.0	373.2	457.3	576.4	718.6	861.7
120°	247.0	251.1	260.1	277.2	302.5	337.7	386.1	463.7	571.6	701.7	832.7
122.5°	263.1	266.3	275.4	294.2	319.4	354.7	400.6	469.4	567.5	687.1	810.9
125°	284.3	289.3	298.4	317.6	343.8	377.1	420.4	478.9	562.5	667.4	779.3
127.5°	302.1	308.5	320.0	340.3	366.6	398.6	438.5	489.6	560.1	649.2	747.0
130°	312.6	320.6	333.7	354.9	381.0	412.3	450.6	496.0	558.5	637.1	726.9
132.5°	321.3	331.0	345.8	367.8	393.9	425.3	461.1	503.2	558.5	627.4	706.7
135°	334.7	346.8	362.9	384.1	411.3	442.5	475.8	513.1	558.5	615.9	680.4
137.5°	350.2	361.5	377.7	398.4	426.5	454.8	486.8	522.2	559.7	605.7	658.3
140°	359.9	372.0	388.1	407.3	434.5	463.7	494.0	526.2	560.5	600.9	646.2
142.5°	370.4	381.6	397.8	416.2	441.7	469.4	498.0	528.7	561.3	596.8	635.7
145°	387.1	397.2	411.3	429.5	452.6	478.9	504.0	531.3	560.5	590.8	622.0
147.5°	404.0	412.7	425.9	441.5	461.9	484.9	507.7	532.3	557.8	584.5	609.2
150°	415.4	422.4	435.6	449.6	466.8	489.0	510.1	532.3	555.4	579.7	601.9
152.5°	425.9	432.1	443.5	456.9	472.4	493.0	511.7	531.5	552.3	574.0	593.8
155°	439.5	445.6	455.7	465.7	479.9	497.0	513.1	529.3	546.4	564.5	581.7
157.5°	452.6	457.5	466.2	475.0	485.7	500.4	514.1	526.6	540.4	555.6	569.6
160°	460.7	464.7	471.8	479.9	489.0	502.0	514.1	524.2	536.3	548.5	561.5
162.5°	468.0	472.0	478.3	484.7	492.2	503.6	513.3	521.8	531.5	542.0	552.7
165°	477.9	480.9	485.9	490.0	496.0	504.0	512.1	518.2	524.2	532.3	540.4
167.5°	486.1	488.0	490.8	493.6	497.4	504.0	509.7	512.5	517.2	522.8	528.7
170°	491.0	492.0	494.0	496.0	499.0	504.0	508.1	510.1	513.1	517.2	522.2
172.5°	493.4	494.4	496.3	497.6	499.0	503.2	506.4	506.9	508.3	511.5	514.9
175°	497.0	498.0	499.0	499.0	499.0	502.0	504.0	503.0	503.0	504.0	507.1
177.5°	499.2	499.2	500.0	499.2	499.2	500.8	501.6	500.0	500.0	500.8	501.6
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0



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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°	13.0	13.6	13.2	12.8	12.8	13.4	13.8
90°	19.2	20.2	22.2	22.2	22.2	23.2	23.2
92.5°	129.7	97.6	82.7	69.8	67.4	65.9	64.3
95°	571.6	447.6	362.9	291.3	261.2	253.1	236.9
97.5°	972.0	851.2	733.5	671.3	614.7	585.5	572.6
100°	1190.6	1086.7	981.9	912.3	839.8	802.4	786.4
102.5°	1324.4	1274.7	1203.7	1129.3	1077.7	1037.1	1025.0
105°	1400.3	1444.6	1433.5	1401.3	1368.1	1347.9	1335.7
107.5°	1332.7	1446.6	1499.2	1515.6	1515.4	1508.7	1500.7
110°	1256.1	1398.3	1484.0	1529.3	1548.4	1555.5	1555.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1180.3	1324.0	1425.1	1491.4	1524.3	1541.9	1549.0
115°	1071.7	1209.7	1319.6	1398.3	1446.6	1474.9	1488.0
117.5°	996.4	1115.4	1216.2	1294.8	1344.8	1372.8	1380.9
120°	953.7	1064.6	1153.3	1227.9	1276.3	1303.5	1311.6
122.5°	923.0	1021.8	1104.9	1171.4	1215.8	1243.0	1250.3
125°	882.1	969.8	1042.4	1098.8	1140.1	1162.4	1172.5
127.5°	843.0	924.8	992.8	1044.0	1080.5	1101.5	1105.9
130°	815.6	894.2	959.8	1010.2	1043.4	1063.6	1069.6
132.5°	789.7	861.1	924.2	974.6	1007.9	1026.4	1033.3
135°	750.0	814.6	872.0	916.4	949.7	967.8	973.8
137.5°	714.6	768.2	817.0	856.7	887.0	903.7	910.3
140°	693.6	739.9	782.3	819.6	845.9	860.9	866.0
142.5°	675.8	715.8	752.5	784.2	806.3	820.6	824.9
145°	653.3	684.5	711.8	735.9	753.1	764.2	768.2
147.5°	634.5	658.5	679.0	698.2	712.0	718.4	720.2
150°	624.0	643.2	661.4	676.4	688.5	692.6	693.6
152.5°	613.5	631.1	645.2	657.9	667.6	671.6	672.6
155°	597.8	612.0	623.0	633.1	640.2	643.2	644.2
157.5°	582.9	593.8	602.5	610.4	616.1	618.9	618.7
160°	571.6	581.7	588.8	595.8	600.9	602.9	601.9
162.5°	561.9	570.4	576.6	582.1	586.3	586.7	586.5
165°	547.4	553.5	558.5	562.5	564.5	564.5	564.5
167.5°	533.3	538.0	541.6	543.6	545.4	544.6	544.4
170°	525.2	528.3	530.3	532.3	533.3	533.3	532.3
172.5°	518.0	520.2	521.4	521.8	523.6	522.0	521.0
175°	507.1	509.1	509.1	509.1	510.1	508.1	507.1
177.5°	502.4	502.4	502.4	501.6	502.4	500.0	500.0
180°	500.0	500.0	500.0	500.0	500.0	500.0	500.0

(END OF REPORT)