

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: P333234-940

Luminaire Tested: **S125DIP-S850D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333234-940  
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: S125DIP-S850D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6391.8 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

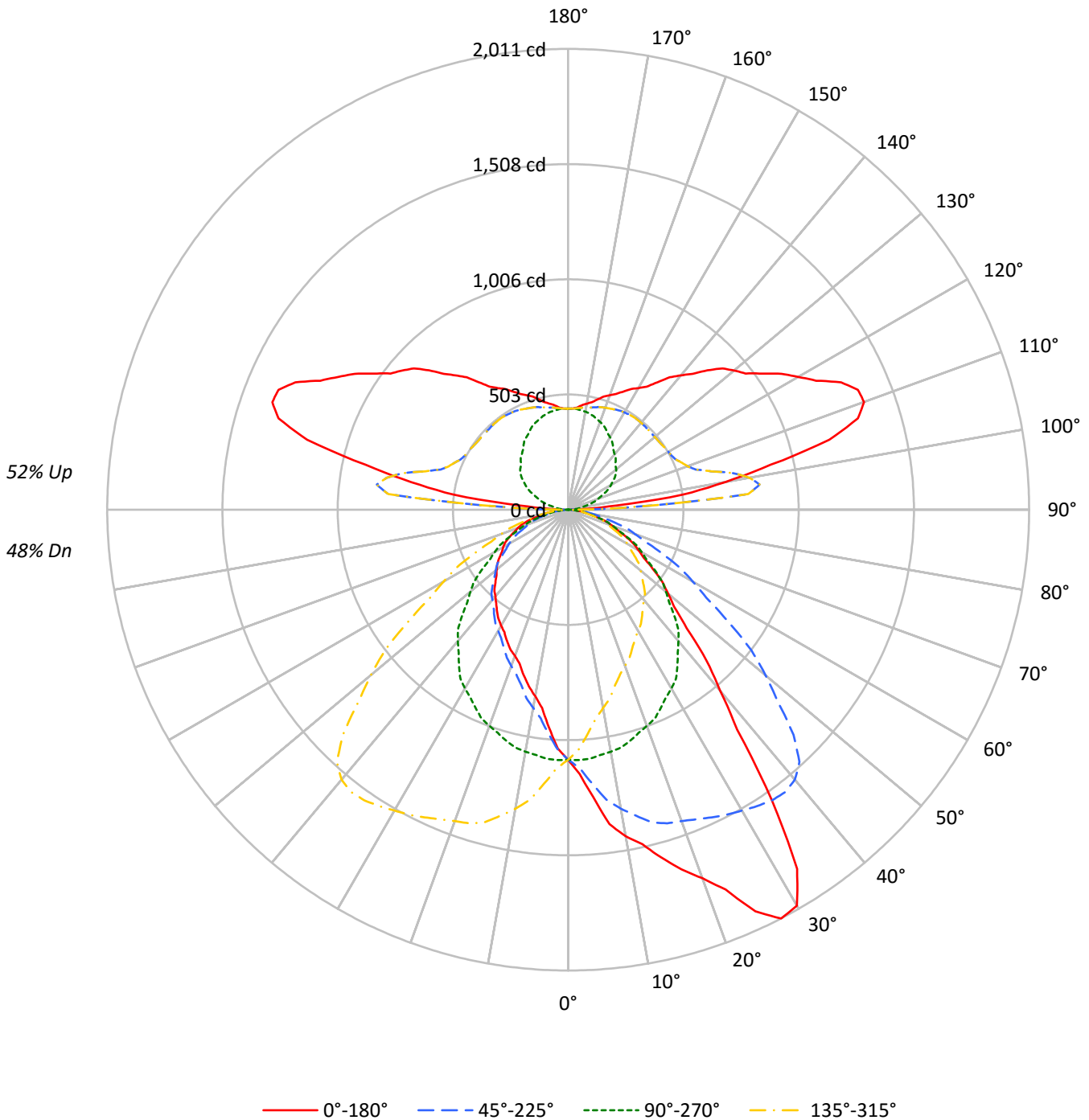
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41	
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35	35	35	35	
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30	30	30	30	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25	25	25	25	
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	25	22	22	22	22	
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20	20	20	20	
7	58	46	38	33	53	43	36	31	37	31	27	31	27	24	26	22	20	17	17	17	17	
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	16	16	16	16	
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16	14	14	14	14	
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13	13	13	13	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7045	7045	7045	7045
5°	8159	7069	6190	7069
10°	9492	7033	5423	7033
15°	10508	6981	5003	6981
20°	11762	6899	4665	6899
25°	13779	6807	4501	6807
30°	14882	6716	4357	6716
35°	12236	6545	4264	6545
40°	8697	6308	4161	6308
45°	6682	5989	4103	5989
50°	5704	5591	4093	5591
55°	5078	5203	4130	5203
60°	4580	4779	4234	4779
65°	4232	4351	4345	4351
70°	3848	3909	4407	3909
75°	3399	3441	4367	3441
80°	2860	2804	3998	2804
85°	2267	2023	3223	2023



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	1.6
10°-20°	312.7	4.9
20°-30°	507.7	7.9
30°-40°	619.3	9.7
40°-50°	563.4	8.8
50°-60°	448.8	7.0
60°-70°	312.6	4.9
70°-80°	166.7	2.6
80°-90°	44.5	0.7
90°-100°	320.0	5.0
100°-110°	688.0	10.8
110°-120°	645.7	10.1
120°-130°	523.3	8.2
130°-140°	419.9	6.6
140°-150°	316.9	5.0
150°-160°	223.1	3.5
160°-170°	131.5	2.1
170°-180°	42.8	0.7
0°-30°	925.4	14.5
0°-40°	1544.8	24.2
0°-60°	2556.9	40.0
0°-90°	3080.8	48.2
90°-120°	1653.7	25.9
90°-150°	2913.7	45.6
90°-180°	3311.0	51.8
0°-180°	6391.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1258	1090	955	1090	1258	127
15°	1572	1044	748	1044	1572	450
25°	1934	955	632	955	1934	883
35°	1552	830	541	830	1552	950
45°	732	656	449	656	732	586
55°	451	462	367	462	451	406
65°	277	285	284	285	277	275
75°	136	138	175	138	136	147
85°	31	27	44	27	31	36
90°	20	1	20	1	20	15
95°	209	29	209	29	209	296
105°	1180	101	1180	101	1180	1172
115°	1314	180	1314	180	1314	1284
125°	1035	249	1035	249	1035	937
135°	860	292	860	292	860	666
145°	678	340	678	340	678	431
155°	569	388	569	388	569	265
165°	498	424	498	424	498	143
175°	448	441	448	441	448	44
180°	442	442	442	442	442	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1153.9	1152.4	1150.9	1147.9	1150.1	1143.9	1140.9	1135.7	1129.4	1127.2	1124.6
5°	1258.5	1260.8	1263.1	1253.4	1254.4	1247.9	1233.1	1221.0	1211.3	1198.8	1190.0
7.5°	1384.5	1378.9	1378.5	1372.3	1361.4	1352.7	1337.1	1317.3	1298.2	1276.3	1258.2
10°	1447.4	1447.9	1443.7	1436.3	1424.8	1416.4	1396.1	1376.5	1353.0	1325.2	1305.3
12.5°	1494.9	1496.7	1491.5	1481.5	1475.9	1457.1	1441.2	1418.1	1390.0	1367.8	1337.5
15°	1571.6	1566.4	1562.7	1550.2	1540.5	1521.1	1495.6	1471.5	1440.9	1412.6	1384.5
17.5°	1645.4	1649.5	1642.5	1631.1	1601.0	1578.2	1544.1	1511.1	1473.1	1435.2	1401.5
20°	1711.4	1715.0	1704.4	1684.5	1648.4	1625.7	1580.7	1538.2	1494.2	1445.6	1408.5
22.5°	1793.6	1790.6	1776.3	1746.0	1714.7	1672.8	1624.1	1572.3	1517.2	1462.2	1413.0
25°	1933.6	1914.1	1905.3	1867.9	1826.7	1765.1	1698.4	1622.5	1553.9	1481.2	1418.3
27.5°	2011.2	2005.1	1995.3	1969.2	1925.8	1860.0	1781.4	1688.8	1592.1	1500.4	1418.0
30°	1995.6	1996.5	1997.5	1989.1	1961.4	1911.8	1833.6	1734.0	1619.2	1515.9	1420.6
32.5°	1857.9	1874.7	1890.8	1909.9	1917.6	1908.2	1859.1	1769.2	1651.1	1533.7	1419.1
35°	1552.0	1557.2	1609.4	1661.3	1731.7	1786.4	1822.9	1783.2	1683.6	1548.8	1417.3
37.5°	1210.1	1235.2	1271.4	1330.0	1431.6	1522.5	1639.5	1693.3	1661.2	1553.7	1414.1
40°	1031.6	1054.8	1078.3	1138.1	1223.8	1334.0	1466.9	1580.3	1606.7	1538.2	1402.9
42.5°	893.9	912.1	938.3	983.3	1054.9	1152.4	1279.4	1427.7	1518.9	1493.0	1379.7
45°	731.6	743.2	763.6	799.2	851.0	927.5	1039.5	1201.6	1342.7	1389.6	1324.3
47.5°	626.2	626.1	641.9	666.6	704.0	768.9	851.8	978.7	1129.6	1241.2	1236.0
50°	567.7	565.3	577.8	599.1	628.7	671.8	751.0	852.4	997.4	1123.7	1159.0
52.5°	517.3	517.5	525.2	541.0	565.8	602.6	661.7	753.1	877.0	1006.7	1073.0
55°	451.0	449.2	457.9	468.6	486.6	510.7	553.3	623.2	723.7	851.5	937.6
57.5°	390.2	395.3	398.9	406.3	421.2	437.4	473.3	524.6	604.3	714.0	805.0
60°	354.6	359.8	362.6	370.0	382.0	395.9	423.7	465.4	532.4	627.0	717.2
62.5°	322.8	326.8	327.7	334.4	344.2	357.8	379.6	414.6	467.6	550.3	638.7
65°	276.9	276.9	278.7	285.7	290.3	302.4	319.1	344.5	387.1	451.5	526.9
67.5°	232.6	234.9	234.3	237.5	241.7	251.0	263.0	284.0	315.6	362.6	422.9
70°	203.8	205.5	205.1	207.4	212.0	218.1	227.8	247.7	270.4	310.7	362.6
72.5°	177.8	178.5	177.4	180.4	183.2	188.4	199.3	209.9	231.1	265.1	307.7
75°	136.2	137.1	137.9	139.8	142.6	145.3	151.0	161.6	175.5	201.0	228.3
77.5°	102.0	100.3	102.5	102.3	103.8	105.9	110.8	116.5	127.9	144.0	165.1
80°	76.9	77.3	77.3	77.8	80.1	81.5	85.7	89.8	98.6	110.7	125.5
82.5°	56.1	57.3	56.6	57.4	59.4	60.4	62.7	66.1	71.2	80.7	91.4
85°	30.6	28.3	29.2	30.1	30.1	30.6	32.4	33.8	36.6	40.3	44.4
87.5°	13.0	13.7	13.9	13.9	14.3	13.9	15.2	15.1	16.0	16.9	18.0
90°	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1	15.2	14.3	12.5
92.5°	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7	232.3	287.0	291.6
95°	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1	771.8	788.7	643.6
97.5°	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2	976.5	842.3	574.7
100°	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9	1026.4	803.8	512.7
102.5°	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6	996.5	736.2	465.7
105°	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5	900.9	645.3	420.2
107.5°	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1	803.3	582.9	400.9
110°	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0	747.7	553.7	395.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6	706.4	536.6	395.2
115°	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2	661.4	518.1	397.9
117.5°	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9	634.5	509.0	403.8
120°	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3	619.6	504.7	409.5
122.5°	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0	606.7	501.1	414.5
125°	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1	589.3	496.7	422.8
127.5°	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6	573.3	494.5	432.3
130°	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9	562.6	493.1	438.0
132.5°	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0	554.0	493.1	444.3
135°	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8	543.9	493.1	453.1
137.5°	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3	534.8	494.2	461.1
140°	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6	530.6	494.9	464.7
142.5°	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3	527.0	495.6	466.8
145°	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2	521.7	494.9	469.1
147.5°	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9	516.1	492.6	470.0
150°	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5	511.8	490.4	470.0
152.5°	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3	506.8	487.7	469.3
155°	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6	498.5	482.5	467.3
157.5°	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9	490.6	477.2	465.0
160°	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8	484.3	473.6	462.9
162.5°	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0	478.6	469.3	460.7
165°	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2	470.0	462.9	457.5
167.5°	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8	461.6	456.6	452.5
170°	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1	456.6	453.1	450.4
172.5°	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7	451.7	448.8	447.5
175°	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7	445.1	444.2	444.2
177.5°	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9	442.2	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1122.4	1119.8	1116.8	1111.6	1105.4	1102.0	1096.8	1093.5	1086.8	1081.3	1075.3
5°	1179.3	1167.2	1156.2	1141.8	1126.1	1115.9	1103.8	1090.4	1076.6	1062.2	1046.4
7.5°	1238.3	1217.0	1193.8	1168.9	1144.6	1122.2	1100.8	1079.8	1060.2	1036.4	1016.4
10°	1277.9	1251.1	1222.4	1188.6	1155.7	1127.0	1097.9	1072.4	1046.4	1018.7	994.1
12.5°	1317.6	1281.8	1241.3	1204.2	1164.6	1130.0	1095.6	1063.1	1030.6	999.8	971.2
15°	1345.6	1314.0	1276.6	1223.8	1179.3	1131.7	1086.3	1044.1	1004.8	970.5	934.4
17.5°	1364.0	1323.4	1283.2	1232.5	1174.2	1120.9	1069.5	1021.3	976.9	933.4	898.7
20°	1367.3	1325.6	1283.5	1233.9	1174.2	1113.1	1061.8	1003.8	956.2	911.2	868.6
22.5°	1366.2	1319.0	1273.1	1222.1	1163.9	1107.6	1045.4	986.4	934.7	890.5	846.1
25°	1355.8	1305.3	1247.9	1196.5	1139.1	1079.3	1016.4	955.2	902.4	851.9	808.0
27.5°	1347.0	1281.6	1216.6	1156.6	1101.2	1046.4	986.1	923.5	865.0	813.9	772.4
30°	1336.3	1264.5	1191.3	1128.8	1071.9	1018.7	961.7	900.6	839.5	789.4	745.0
32.5°	1326.7	1243.0	1165.8	1097.8	1037.4	985.7	933.2	875.0	815.0	764.3	719.8
35°	1308.1	1211.3	1122.8	1046.0	981.6	928.4	884.4	830.2	775.1	726.0	683.4
37.5°	1284.4	1169.6	1074.7	994.1	923.5	867.5	826.5	784.9	732.0	684.7	646.2
40°	1265.9	1140.0	1039.5	957.1	884.0	825.5	787.6	748.2	704.3	660.3	619.6
42.5°	1242.6	1113.3	1004.0	915.3	842.8	786.0	746.1	712.7	673.9	632.8	595.0
45°	1199.7	1065.0	946.5	851.0	777.8	721.8	680.6	655.7	626.5	587.5	555.6
47.5°	1136.7	1006.9	884.3	785.9	710.3	658.4	619.8	595.8	575.2	546.4	517.4
50°	1080.7	963.6	839.5	741.7	666.3	613.9	578.4	556.5	539.0	516.7	492.2
52.5°	1018.1	909.1	795.4	698.8	624.1	572.5	537.6	518.4	503.8	487.9	463.7
55°	918.6	826.1	720.5	628.7	559.8	509.3	478.8	462.1	450.0	438.0	423.2
57.5°	809.0	736.6	643.1	559.4	495.8	449.9	421.3	405.1	395.8	389.6	380.8
60°	732.0	670.0	589.4	513.0	451.0	410.3	382.5	370.0	362.1	357.0	350.5
62.5°	660.6	609.7	534.9	465.2	411.0	372.5	347.7	335.6	328.0	325.5	320.1
65°	555.2	515.9	454.2	396.4	350.1	317.2	296.3	284.7	280.1	277.3	277.9
67.5°	451.4	427.4	377.9	328.6	291.6	264.0	247.4	238.4	236.1	232.5	232.4
70°	388.0	370.0	328.3	285.3	252.4	231.0	216.2	207.0	204.6	202.8	202.3
72.5°	332.1	316.3	280.1	245.6	216.1	197.3	185.1	179.6	175.8	174.7	174.6
75°	249.6	240.8	212.0	184.8	164.3	151.4	143.1	137.9	135.2	134.7	135.2
77.5°	177.5	169.8	151.5	132.2	119.3	109.5	102.5	100.7	97.6	97.6	97.1
80°	133.3	128.2	116.7	101.4	90.8	82.4	78.7	75.4	74.5	73.1	74.5
82.5°	96.7	91.2	83.4	73.7	64.8	59.8	56.1	55.1	54.6	53.9	54.2
85°	47.7	48.2	43.5	36.1	32.4	29.6	27.3	27.3	26.8	26.4	26.8
87.5°	18.6	17.5	15.9	14.4	12.2	10.7	10.0	10.2	9.3	9.3	10.0
90°	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9	1.8	3.6	5.4
92.5°	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9	13.2	20.7	31.7
95°	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3	30.2	37.4	47.2
97.5°	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8	49.8	54.8	64.6
100°	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3	64.1	67.7	77.4
102.5°	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3	78.3	81.1	91.7
105°	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6	100.6	105.0	114.0
107.5°	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4	125.2	129.4	136.7
110°	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7	141.5	145.1	153.1





TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1	157.9	160.8	168.8
115°	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9	181.6	184.2	192.3
117.5°	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2	203.8	206.7	214.7
120°	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4	218.1	221.7	229.7
122.5°	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4	232.3	235.1	243.2
125°	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2	251.0	255.5	263.5
127.5°	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0	266.7	272.4	282.6
130°	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3	276.0	283.1	294.6
132.5°	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4	283.7	292.3	305.3
135°	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9	295.5	306.2	320.5
137.5°	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6	309.2	319.2	333.5
140°	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1	317.8	328.5	342.7
142.5°	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1	327.1	337.0	351.2
145°	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0	341.8	350.7	363.2
147.5°	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7	356.8	364.4	376.0
150°	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0	366.8	373.0	384.6
152.5°	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0	376.0	381.6	391.6
155°	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1	388.1	393.4	402.3
157.5°	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8	399.7	403.9	411.6
160°	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7	406.8	410.4	416.6
162.5°	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1	413.2	416.8	422.3
165°	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7	422.0	424.6	429.1
167.5°	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2	429.3	430.9	433.4
170°	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4	433.5	434.4	436.2
172.5°	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3	435.7	436.6	438.3
175°	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6	438.8	439.7	440.6
177.5°	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2	440.8	440.8	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1072.0	1067.9	1064.6	1057.2	1053.1	1047.6	1043.1	1047.9	1042.8	1045.0	1041.6
5°	1038.6	1025.6	1016.4	1002.9	991.3	980.7	972.9	971.4	967.7	965.9	960.3
7.5°	998.4	982.1	966.3	948.7	933.8	918.7	909.1	901.2	895.9	888.9	884.2
10°	974.6	952.9	934.4	913.1	894.6	878.3	865.4	858.9	852.9	844.1	840.9
12.5°	945.4	922.9	900.3	877.5	859.8	841.7	830.5	820.7	816.6	806.6	805.7
15°	910.3	876.6	854.3	831.2	806.6	791.8	782.5	771.9	767.2	760.3	755.2
17.5°	868.4	838.3	810.5	786.5	765.4	753.0	741.5	734.1	726.2	721.7	713.4
20°	838.1	809.4	781.6	756.1	739.9	725.6	716.3	709.4	701.1	698.7	690.4
22.5°	812.5	780.9	754.2	732.8	715.1	698.9	688.8	684.2	678.4	671.3	669.6
25°	771.0	738.1	715.4	694.1	678.3	663.5	656.6	650.6	645.0	639.9	638.0
27.5°	735.0	705.6	678.7	659.4	645.8	632.2	626.1	618.8	614.7	610.6	605.6
30°	709.8	679.8	656.1	637.6	622.8	610.7	604.2	599.1	595.5	591.7	589.0
32.5°	683.9	656.0	633.1	615.0	600.2	591.1	585.3	581.8	577.7	573.2	569.7
35°	649.6	619.0	596.8	581.1	569.5	562.6	556.1	552.9	548.2	548.2	544.5
37.5°	611.0	584.6	565.0	550.6	540.3	534.0	527.0	524.8	521.8	519.9	518.6
40°	588.1	563.5	545.0	530.7	519.5	514.4	508.9	505.2	503.3	501.0	500.1
42.5°	564.4	540.9	523.2	509.9	500.2	495.9	490.7	488.1	484.4	481.3	480.8
45°	528.3	505.6	489.5	478.8	470.5	465.4	462.1	456.6	454.7	451.0	450.5
47.5°	494.1	472.3	456.5	447.7	440.4	436.2	431.1	425.6	423.5	421.6	421.4
50°	468.6	448.7	433.8	425.5	418.6	412.6	407.4	403.8	402.3	402.3	403.3
52.5°	442.6	425.7	413.1	403.0	396.4	389.9	385.2	383.0	380.8	383.1	384.8
55°	404.7	387.5	378.3	368.5	362.1	354.6	352.4	351.4	350.1	353.7	355.6
57.5°	364.5	352.5	341.6	332.0	326.2	321.9	318.8	318.2	320.7	322.5	328.6
60°	338.9	325.0	315.3	307.9	301.0	298.2	297.3	296.3	298.2	303.3	311.1
62.5°	310.8	299.5	289.0	283.5	278.4	273.8	273.6	274.1	277.9	283.7	291.5
65°	269.5	259.8	252.8	246.3	242.2	239.4	240.3	242.2	246.3	254.2	263.0
67.5°	227.6	220.9	214.6	209.4	205.4	205.4	206.3	209.1	214.0	223.1	231.1
70°	200.5	193.1	188.0	185.7	182.4	180.6	183.3	188.0	192.2	200.5	207.4
72.5°	173.4	167.2	163.2	161.6	160.2	158.7	159.6	164.6	170.3	178.6	186.7
75°	133.3	131.0	128.2	126.4	125.0	125.9	126.9	131.5	136.2	144.9	154.2
77.5°	97.3	94.9	93.3	92.8	92.0	92.5	95.1	98.5	103.1	109.5	116.5
80°	73.7	72.7	71.8	71.3	71.3	71.8	75.4	77.8	81.9	88.0	93.5
82.5°	53.6	53.1	52.9	52.8	53.1	53.2	55.5	58.5	62.0	66.5	71.3
85°	28.3	27.3	28.7	29.2	28.3	29.6	30.6	32.4	33.8	36.1	38.4
87.5°	10.7	11.8	11.6	12.3	12.5	13.6	13.4	15.1	16.0	16.9	16.9
90°	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1	16.9	17.8	19.6
92.5°	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7	114.5	86.1	73.0
95°	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1	504.7	395.2	320.5
97.5°	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2	858.3	751.6	647.6
100°	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9	1051.3	959.6	867.0
102.5°	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6	1169.5	1125.5	1062.8
105°	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5	1236.4	1275.6	1265.8
107.5°	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1	1176.8	1277.4	1323.8
110°	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0	1109.1	1234.7	1310.4



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6	1042.2	1169.1	1258.4
115°	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2	946.3	1068.2	1165.2
117.5°	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9	879.9	984.9	1073.9
120°	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3	842.1	940.0	1018.3
122.5°	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0	815.0	902.2	975.6
125°	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1	778.9	856.3	920.4
127.5°	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6	744.4	816.6	876.6
130°	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9	720.1	789.6	847.5
132.5°	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0	697.3	760.4	816.1
135°	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8	662.3	719.3	770.0
137.5°	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3	631.0	678.3	721.4
140°	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6	612.4	653.4	690.8
142.5°	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3	596.7	632.0	664.4
145°	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2	576.8	604.4	628.5
147.5°	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9	560.3	581.5	599.6
150°	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5	551.0	567.9	584.0
152.5°	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3	541.7	557.2	569.7
155°	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6	527.9	540.4	550.1
157.5°	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9	514.7	524.3	532.0
160°	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8	504.7	513.6	519.9
162.5°	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0	496.1	503.6	509.2
165°	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2	483.4	488.7	493.1
167.5°	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8	470.9	475.0	478.2
170°	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1	463.8	466.5	468.2
172.5°	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7	457.4	459.3	460.4
175°	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7	447.7	449.5	449.5
177.5°	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9	443.6	443.6	443.6
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1039.4	1042.0	1039.7	1042.8	1039.7	1042.0	1039.4	1041.6	1045.0	1042.8	1047.9
5°	958.0	953.9	956.6	954.8	956.6	953.9	958.0	960.3	965.9	967.7	971.4
7.5°	882.8	878.8	874.3	872.2	874.3	878.8	882.8	884.2	888.9	895.9	901.2
10°	835.8	830.6	830.2	827.0	830.2	830.6	835.8	840.9	844.1	852.9	858.9
12.5°	801.3	796.6	791.3	790.0	791.3	796.6	801.3	805.7	806.6	816.6	820.7
15°	752.4	748.7	745.5	748.2	745.5	748.7	752.4	755.2	760.3	767.2	771.9
17.5°	711.8	708.7	708.1	704.7	708.1	708.7	711.8	713.4	721.7	726.2	734.1
20°	686.2	683.9	684.8	678.8	684.8	683.9	686.2	690.4	698.7	701.1	709.4
22.5°	665.8	661.3	660.8	659.5	660.8	661.3	665.8	669.6	671.3	678.4	684.2
25°	633.9	631.6	629.3	631.6	629.3	631.6	633.9	638.0	639.9	645.0	650.6
27.5°	606.0	603.2	602.6	602.9	602.6	603.2	606.0	605.6	610.6	614.7	618.8
30°	589.0	584.3	584.8	584.3	584.8	584.3	589.0	589.0	591.7	595.5	599.1
32.5°	570.4	567.3	566.7	565.8	566.7	567.3	570.4	569.7	573.2	577.7	581.8
35°	543.1	543.1	540.8	540.8	540.8	543.1	543.1	544.5	548.2	548.2	552.9
37.5°	517.5	517.0	515.6	515.9	515.6	517.0	517.5	518.6	519.9	521.8	524.8
40°	498.2	497.8	496.3	493.6	496.3	497.8	498.2	500.1	501.0	503.3	505.2
42.5°	479.7	478.1	477.5	476.5	477.5	478.1	479.7	480.8	481.3	484.4	488.1
45°	450.5	450.5	449.6	449.2	449.6	450.5	450.5	450.5	451.0	454.7	456.6
47.5°	422.2	423.0	424.8	424.5	424.8	423.0	422.2	421.4	421.6	423.5	425.6
50°	405.1	405.6	407.0	407.4	407.0	405.6	405.1	403.3	402.3	402.3	403.8
52.5°	386.3	389.0	390.7	390.4	390.7	389.0	386.3	384.8	383.1	380.8	383.0
55°	359.8	363.0	366.2	366.8	366.2	363.0	359.8	355.6	353.7	350.1	351.4
57.5°	333.6	338.1	341.5	342.6	341.5	338.1	333.6	328.6	322.5	320.7	318.2
60°	315.8	321.8	326.0	327.8	326.0	321.8	315.8	311.1	303.3	298.2	296.3
62.5°	298.7	305.5	309.7	310.0	309.7	305.5	298.7	291.5	283.7	277.9	274.1
65°	270.9	277.9	281.5	284.3	281.5	277.9	270.9	263.0	254.2	246.3	242.2
67.5°	240.9	247.8	251.9	254.1	251.9	247.8	240.9	231.1	223.1	214.0	209.1
70°	219.0	226.0	231.5	233.4	231.5	226.0	219.0	207.4	200.5	192.2	188.0
72.5°	197.5	203.8	208.2	210.4	208.2	203.8	197.5	186.7	178.6	170.3	164.6
75°	160.2	168.5	172.7	175.0	172.7	168.5	160.2	154.2	144.9	136.2	131.5
77.5°	123.5	131.2	133.7	134.8	133.7	131.2	123.5	116.5	109.5	103.1	98.5
80°	99.1	103.7	106.9	107.5	106.9	103.7	99.1	93.5	88.0	81.9	77.8
82.5°	76.2	80.0	81.1	82.2	81.1	80.0	76.2	71.3	66.5	62.0	58.5
85°	41.6	43.5	44.0	43.5	44.0	43.5	41.6	38.4	36.1	33.8	32.4
87.5°	17.7	17.2	17.4	18.2	17.4	17.2	17.7	16.9	16.9	16.0	15.1
90°	19.6	19.6	20.5	20.5	20.5	19.6	19.6	19.6	17.8	16.9	16.1
92.5°	61.6	59.5	58.2	56.8	58.2	59.5	61.6	73.0	86.1	114.5	157.7
95°	257.3	230.6	223.5	209.2	223.5	230.6	257.3	320.5	395.2	504.7	640.1
97.5°	592.7	542.8	517.0	505.6	517.0	542.8	592.7	647.6	751.6	858.3	953.2
100°	805.6	741.5	708.6	694.4	708.6	741.5	805.6	867.0	959.6	1051.3	1094.9
102.5°	997.2	951.6	915.8	905.1	915.8	951.6	997.2	1062.8	1125.5	1169.5	1142.6
105°	1237.3	1208.0	1190.2	1179.5	1190.2	1208.0	1237.3	1265.8	1275.6	1236.4	1114.5
107.5°	1338.3	1338.1	1332.2	1325.1	1332.2	1338.1	1338.3	1323.8	1277.4	1176.8	1014.1
110°	1350.4	1367.3	1373.5	1373.5	1373.5	1367.3	1350.4	1310.4	1234.7	1109.1	940.0



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1316.9	1345.9	1361.5	1367.8	1361.5	1345.9	1316.9	1258.4	1169.1	1042.2	881.6
115°	1234.7	1277.4	1302.3	1313.9	1302.3	1277.4	1234.7	1165.2	1068.2	946.3	808.2
117.5°	1143.4	1187.5	1212.2	1219.3	1212.2	1187.5	1143.4	1073.9	984.9	879.9	760.9
120°	1084.2	1126.9	1151.0	1158.2	1151.0	1126.9	1084.2	1018.3	940.0	842.1	735.3
122.5°	1034.4	1073.5	1097.6	1104.0	1097.6	1073.5	1034.4	975.6	902.2	815.0	716.0
125°	970.3	1006.7	1026.4	1035.3	1026.4	1006.7	970.3	920.4	856.3	778.9	688.1
127.5°	921.9	954.0	972.6	976.5	972.6	954.0	921.9	876.6	816.6	744.4	659.6
130°	892.0	921.3	939.1	944.5	939.1	921.3	892.0	847.5	789.6	720.1	641.9
132.5°	860.6	890.0	906.3	912.4	906.3	890.0	860.6	816.1	760.4	697.3	624.0
135°	809.1	838.6	854.5	859.9	854.5	838.6	809.1	770.0	719.3	662.3	600.8
137.5°	756.4	783.2	798.0	803.8	798.0	783.2	756.4	721.4	678.3	631.0	581.3
140°	723.7	746.9	760.2	764.6	760.2	746.9	723.7	690.8	653.4	612.4	570.6
142.5°	692.4	711.9	724.6	728.3	724.6	711.9	692.4	664.4	632.0	596.7	561.3
145°	649.8	664.9	674.8	678.3	674.8	664.9	649.8	628.5	604.4	576.8	549.2
147.5°	616.5	628.7	634.4	636.0	634.4	628.7	616.5	599.6	581.5	560.3	537.9
150°	597.3	608.0	611.5	612.4	611.5	608.0	597.3	584.0	567.9	551.0	531.5
152.5°	580.9	589.5	593.0	593.9	593.0	589.5	580.9	569.7	557.2	541.7	524.3
155°	559.0	565.3	567.9	568.8	567.9	565.3	559.0	550.1	540.4	527.9	513.6
157.5°	539.0	544.0	546.5	546.4	546.5	544.0	539.0	532.0	524.3	514.7	502.9
160°	526.1	530.6	532.4	531.5	532.4	530.6	526.1	519.9	513.6	504.7	495.8
162.5°	514.0	517.7	518.1	517.9	518.1	517.7	514.0	509.2	503.6	496.1	488.0
165°	496.7	498.5	498.5	498.5	498.5	498.5	496.7	493.1	488.7	483.4	477.2
167.5°	480.0	481.6	480.9	480.7	480.9	481.6	480.0	478.2	475.0	470.9	466.8
170°	470.0	470.9	470.9	470.0	470.9	470.9	470.0	468.2	466.5	463.8	461.1
172.5°	460.7	462.4	460.9	460.0	460.9	462.4	460.7	460.4	459.3	457.4	454.7
175°	449.5	450.4	448.6	447.7	448.6	450.4	449.5	449.5	449.5	447.7	447.7
177.5°	442.9	443.6	441.5	441.5	441.5	443.6	442.9	443.6	443.6	443.6	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1043.1	1047.6	1053.1	1057.2	1064.6	1067.9	1072.0	1075.3	1081.3	1086.8	1093.5
5°	972.9	980.7	991.3	1002.9	1016.4	1025.6	1038.6	1046.4	1062.2	1076.6	1090.4
7.5°	909.1	918.7	933.8	948.7	966.3	982.1	998.4	1016.4	1036.4	1060.2	1079.8
10°	865.4	878.3	894.6	913.1	934.4	952.9	974.6	994.1	1018.7	1046.4	1072.4
12.5°	830.5	841.7	859.8	877.5	900.3	922.9	945.4	971.2	999.8	1030.6	1063.1
15°	782.5	791.8	806.6	831.2	854.3	876.6	910.3	934.4	970.5	1004.8	1044.1
17.5°	741.5	753.0	765.4	786.5	810.5	838.3	868.4	898.7	933.4	976.9	1021.3
20°	716.3	725.6	739.9	756.1	781.6	809.4	838.1	868.6	911.2	956.2	1003.8
22.5°	688.8	698.9	715.1	732.8	754.2	780.9	812.5	846.1	890.5	934.7	986.4
25°	656.6	663.5	678.3	694.1	715.4	738.1	771.0	808.0	851.9	902.4	955.2
27.5°	626.1	632.2	645.8	659.4	678.7	705.6	735.0	772.4	813.9	865.0	923.5
30°	604.2	610.7	622.8	637.6	656.1	679.8	709.8	745.0	789.4	839.5	900.6
32.5°	585.3	591.1	600.2	615.0	633.1	656.0	683.9	719.8	764.3	815.0	875.0
35°	556.1	562.6	569.5	581.1	596.8	619.0	649.6	683.4	726.0	775.1	830.2
37.5°	527.0	534.0	540.3	550.6	565.0	584.6	611.0	646.2	684.7	732.0	784.9
40°	508.9	514.4	519.5	530.7	545.0	563.5	588.1	619.6	660.3	704.3	748.2
42.5°	490.7	495.9	500.2	509.9	523.2	540.9	564.4	595.0	632.8	673.9	712.7
45°	462.1	465.4	470.5	478.8	489.5	505.6	528.3	555.6	587.5	626.5	655.7
47.5°	431.1	436.2	440.4	447.7	456.5	472.3	494.1	517.4	546.4	575.2	595.8
50°	407.4	412.6	418.6	425.5	433.8	448.7	468.6	492.2	516.7	539.0	556.5
52.5°	385.2	389.9	396.4	403.0	413.1	425.7	442.6	463.7	487.9	503.8	518.4
55°	352.4	354.6	362.1	368.5	378.3	387.5	404.7	423.2	438.0	450.0	462.1
57.5°	318.8	321.9	326.2	332.0	341.6	352.5	364.5	380.8	389.6	395.8	405.1
60°	297.3	298.2	301.0	307.9	315.3	325.0	338.9	350.5	357.0	362.1	370.0
62.5°	273.6	273.8	278.4	283.5	289.0	299.5	310.8	320.1	325.5	328.0	335.6
65°	240.3	239.4	242.2	246.3	252.8	259.8	269.5	277.9	277.3	280.1	284.7
67.5°	206.3	205.4	205.4	209.4	214.6	220.9	227.6	232.4	232.5	236.1	238.4
70°	183.3	180.6	182.4	185.7	188.0	193.1	200.5	202.3	202.8	204.6	207.0
72.5°	159.6	158.7	160.2	161.6	163.2	167.2	173.4	174.6	174.7	175.8	179.6
75°	126.9	125.9	125.0	126.4	128.2	131.0	133.3	135.2	134.7	135.2	137.9
77.5°	95.1	92.5	92.0	92.8	93.3	94.9	97.3	97.1	97.6	97.6	100.7
80°	75.4	71.8	71.3	71.3	71.8	72.7	73.7	74.5	73.1	74.5	75.4
82.5°	55.5	53.2	53.1	52.8	52.9	53.1	53.6	54.2	53.9	54.6	55.1
85°	30.6	29.6	28.3	29.2	28.7	27.3	28.3	26.8	26.4	26.8	27.3
87.5°	13.4	13.6	12.5	12.3	11.6	11.8	10.7	10.0	9.3	9.3	10.2
90°	15.2	14.3	12.5	11.6	9.8	8.9	7.1	5.4	3.6	1.8	0.9
92.5°	232.3	287.0	291.6	203.1	121.6	73.0	47.0	31.7	20.7	13.2	10.9
95°	771.8	788.7	643.6	397.9	202.1	106.8	66.8	47.2	37.4	30.2	29.3
97.5°	976.5	842.3	574.7	317.6	174.2	111.1	82.2	64.6	54.8	49.8	48.8
100°	1026.4	803.8	512.7	288.4	172.7	121.1	94.3	77.4	67.7	64.1	62.3
102.5°	996.5	736.2	465.7	276.3	179.1	133.1	107.2	91.7	81.1	78.3	77.3
105°	900.9	645.3	420.2	271.5	192.3	153.1	128.2	114.0	105.0	100.6	100.6
107.5°	803.3	582.9	400.9	279.7	211.9	174.0	151.5	136.7	129.4	125.2	123.4
110°	747.7	553.7	395.2	287.5	226.1	189.6	166.5	153.1	145.1	141.5	139.7



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	706.4	536.6	395.2	297.5	239.6	204.6	182.1	168.8	160.8	157.9	156.1
115°	661.4	518.1	397.9	312.5	260.8	227.9	205.6	192.3	184.2	181.6	179.9
117.5°	634.5	509.0	403.8	329.6	282.6	251.4	229.9	214.7	206.7	203.8	201.2
120°	619.6	504.7	409.5	340.9	298.2	267.1	244.8	229.7	221.7	218.1	215.4
122.5°	606.7	501.1	414.5	353.7	313.2	282.0	259.8	243.2	235.1	232.3	230.4
125°	589.3	496.7	422.8	371.2	333.0	303.5	280.4	263.5	255.5	251.0	249.2
127.5°	573.3	494.5	432.3	387.2	352.0	323.7	300.5	282.6	272.4	266.7	264.0
130°	562.6	493.1	438.0	397.9	364.1	336.4	313.3	294.6	283.1	276.0	273.3
132.5°	554.0	493.1	444.3	407.2	375.5	347.9	324.8	305.3	292.3	283.7	280.4
135°	543.9	493.1	453.1	420.2	390.7	363.2	339.1	320.5	306.2	295.5	291.9
137.5°	534.8	494.2	461.1	429.8	401.6	376.6	351.8	333.5	319.2	309.2	306.6
140°	530.6	494.9	464.7	436.2	409.5	383.7	359.6	342.7	328.5	317.8	315.1
142.5°	527.0	495.6	466.8	439.7	414.5	390.0	367.5	351.2	337.0	327.1	325.1
145°	521.7	494.9	469.1	445.1	422.8	399.7	379.2	363.2	350.7	341.8	340.0
147.5°	516.1	492.6	470.0	448.3	428.2	407.9	389.9	376.0	364.4	356.8	355.7
150°	511.8	490.4	470.0	450.4	431.8	412.1	397.0	384.6	373.0	366.8	365.0
152.5°	506.8	487.7	469.3	451.8	435.3	417.1	403.4	391.6	381.6	376.0	375.0
155°	498.5	482.5	467.3	453.1	438.8	423.7	411.3	402.3	393.4	388.1	388.1
157.5°	490.6	477.2	465.0	454.0	441.8	428.9	419.5	411.6	403.9	399.7	399.8
160°	484.3	473.6	462.9	454.0	443.3	431.8	423.7	416.6	410.4	406.8	407.7
162.5°	478.6	469.3	460.7	453.3	444.7	434.6	428.0	422.3	416.8	413.2	414.1
165°	470.0	462.9	457.5	452.2	445.1	438.0	432.7	429.1	424.6	422.0	423.7
167.5°	461.6	456.6	452.5	450.0	445.1	439.2	435.9	433.4	430.9	429.3	430.2
170°	456.6	453.1	450.4	448.6	445.1	440.6	438.0	436.2	434.4	433.5	434.4
172.5°	451.7	448.8	447.5	447.2	444.3	440.6	439.3	438.3	436.6	435.7	437.3
175°	445.1	444.2	444.2	445.1	443.3	440.6	440.6	440.6	439.7	438.8	440.6
177.5°	442.2	441.5	441.5	442.9	442.2	440.8	440.8	441.5	440.8	440.8	442.2
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



TEST NUMBER: P333234-940

CATALOG NUMBER: S125DIP-S850D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1096.8	1102.0	1105.4	1111.6	1116.8	1119.8	1122.4	1124.6	1127.2	1129.4	1135.7
5°	1103.8	1115.9	1126.1	1141.8	1156.2	1167.2	1179.3	1190.0	1198.8	1211.3	1221.0
7.5°	1100.8	1122.2	1144.6	1168.9	1193.8	1217.0	1238.3	1258.2	1276.3	1298.2	1317.3
10°	1097.9	1127.0	1155.7	1188.6	1222.4	1251.1	1277.9	1305.3	1325.2	1353.0	1376.5
12.5°	1095.6	1130.0	1164.6	1204.2	1241.3	1281.8	1317.6	1337.5	1367.8	1390.0	1418.1
15°	1086.3	1131.7	1179.3	1223.8	1276.6	1314.0	1345.6	1384.5	1412.6	1440.9	1471.5
17.5°	1069.5	1120.9	1174.2	1232.5	1283.2	1323.4	1364.0	1401.5	1435.2	1473.1	1511.1
20°	1061.8	1113.1	1174.2	1233.9	1283.5	1325.6	1367.3	1408.5	1445.6	1494.2	1538.2
22.5°	1045.4	1107.6	1163.9	1222.1	1273.1	1319.0	1366.2	1413.0	1462.2	1517.2	1572.3
25°	1016.4	1079.3	1139.1	1196.5	1247.9	1305.3	1355.8	1418.3	1481.2	1553.9	1622.5
27.5°	986.1	1046.4	1101.2	1156.6	1216.6	1281.6	1347.0	1418.0	1500.4	1592.1	1688.8
30°	961.7	1018.7	1071.9	1128.8	1191.3	1264.5	1336.3	1420.6	1515.9	1619.2	1734.0
32.5°	933.2	985.7	1037.4	1097.8	1165.8	1243.0	1326.7	1419.1	1533.7	1651.1	1769.2
35°	884.4	928.4	981.6	1046.0	1122.8	1211.3	1308.1	1417.3	1548.8	1683.6	1783.2
37.5°	826.5	867.5	923.5	994.1	1074.7	1169.6	1284.4	1414.1	1553.7	1661.2	1693.3
40°	787.6	825.5	884.0	957.1	1039.5	1140.0	1265.9	1402.9	1538.2	1606.7	1580.3
42.5°	746.1	786.0	842.8	915.3	1004.0	1113.3	1242.6	1379.7	1493.0	1518.9	1427.7
45°	680.6	721.8	777.8	851.0	946.5	1065.0	1199.7	1324.3	1389.6	1342.7	1201.6
47.5°	619.8	658.4	710.3	785.9	884.3	1006.9	1136.7	1236.0	1241.2	1129.6	978.7
50°	578.4	613.9	666.3	741.7	839.5	963.6	1080.7	1159.0	1123.7	997.4	852.4
52.5°	537.6	572.5	624.1	698.8	795.4	909.1	1018.1	1073.0	1006.7	877.0	753.1
55°	478.8	509.3	559.8	628.7	720.5	826.1	918.6	937.6	851.5	723.7	623.2
57.5°	421.3	449.9	495.8	559.4	643.1	736.6	809.0	805.0	714.0	604.3	524.6
60°	382.5	410.3	451.0	513.0	589.4	670.0	732.0	717.2	627.0	532.4	465.4
62.5°	347.7	372.5	411.0	465.2	534.9	609.7	660.6	638.7	550.3	467.6	414.6
65°	296.3	317.2	350.1	396.4	454.2	515.9	555.2	526.9	451.5	387.1	344.5
67.5°	247.4	264.0	291.6	328.6	377.9	427.4	451.4	422.9	362.6	315.6	284.0
70°	216.2	231.0	252.4	285.3	328.3	370.0	388.0	362.6	310.7	270.4	247.7
72.5°	185.1	197.3	216.1	245.6	280.1	316.3	332.1	307.7	265.1	231.1	209.9
75°	143.1	151.4	164.3	184.8	212.0	240.8	249.6	228.3	201.0	175.5	161.6
77.5°	102.5	109.5	119.3	132.2	151.5	169.8	177.5	165.1	144.0	127.9	116.5
80°	78.7	82.4	90.8	101.4	116.7	128.2	133.3	125.5	110.7	98.6	89.8
82.5°	56.1	59.8	64.8	73.7	83.4	91.2	96.7	91.4	80.7	71.2	66.1
85°	27.3	29.6	32.4	36.1	43.5	48.2	47.7	44.4	40.3	36.6	33.8
87.5°	10.0	10.7	12.2	14.4	15.9	17.5	18.6	18.0	16.9	16.0	15.1
90°	1.8	3.6	5.4	7.1	8.9	9.8	11.6	12.5	14.3	15.2	16.1
92.5°	13.2	20.7	31.7	47.0	73.0	121.6	203.1	291.6	287.0	232.3	157.7
95°	30.2	37.4	47.2	66.8	106.8	202.1	397.9	643.6	788.7	771.8	640.1
97.5°	49.8	54.8	64.6	82.2	111.1	174.2	317.6	574.7	842.3	976.5	953.2
100°	64.1	67.7	77.4	94.3	121.1	172.7	288.4	512.7	803.8	1026.4	1094.9
102.5°	78.3	81.1	91.7	107.2	133.1	179.1	276.3	465.7	736.2	996.5	1142.6
105°	100.6	105.0	114.0	128.2	153.1	192.3	271.5	420.2	645.3	900.9	1114.5
107.5°	125.2	129.4	136.7	151.5	174.0	211.9	279.7	400.9	582.9	803.3	1014.1
110°	141.5	145.1	153.1	166.5	189.6	226.1	287.5	395.2	553.7	747.7	940.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	157.9	160.8	168.8	182.1	204.6	239.6	297.5	395.2	536.6	706.4	881.6
115°	181.6	184.2	192.3	205.6	227.9	260.8	312.5	397.9	518.1	661.4	808.2
117.5°	203.8	206.7	214.7	229.9	251.4	282.6	329.6	403.8	509.0	634.5	760.9
120°	218.1	221.7	229.7	244.8	267.1	298.2	340.9	409.5	504.7	619.6	735.3
122.5°	232.3	235.1	243.2	259.8	282.0	313.2	353.7	414.5	501.1	606.7	716.0
125°	251.0	255.5	263.5	280.4	303.5	333.0	371.2	422.8	496.7	589.3	688.1
127.5°	266.7	272.4	282.6	300.5	323.7	352.0	387.2	432.3	494.5	573.3	659.6
130°	276.0	283.1	294.6	313.3	336.4	364.1	397.9	438.0	493.1	562.6	641.9
132.5°	283.7	292.3	305.3	324.8	347.9	375.5	407.2	444.3	493.1	554.0	624.0
135°	295.5	306.2	320.5	339.1	363.2	390.7	420.2	453.1	493.1	543.9	600.8
137.5°	309.2	319.2	333.5	351.8	376.6	401.6	429.8	461.1	494.2	534.8	581.3
140°	317.8	328.5	342.7	359.6	383.7	409.5	436.2	464.7	494.9	530.6	570.6
142.5°	327.1	337.0	351.2	367.5	390.0	414.5	439.7	466.8	495.6	527.0	561.3
145°	341.8	350.7	363.2	379.2	399.7	422.8	445.1	469.1	494.9	521.7	549.2
147.5°	356.8	364.4	376.0	389.9	407.9	428.2	448.3	470.0	492.6	516.1	537.9
150°	366.8	373.0	384.6	397.0	412.1	431.8	450.4	470.0	490.4	511.8	531.5
152.5°	376.0	381.6	391.6	403.4	417.1	435.3	451.8	469.3	487.7	506.8	524.3
155°	388.1	393.4	402.3	411.3	423.7	438.8	453.1	467.3	482.5	498.5	513.6
157.5°	399.7	403.9	411.6	419.5	428.9	441.8	454.0	465.0	477.2	490.6	502.9
160°	406.8	410.4	416.6	423.7	431.8	443.3	454.0	462.9	473.6	484.3	495.8
162.5°	413.2	416.8	422.3	428.0	434.6	444.7	453.3	460.7	469.3	478.6	488.0
165°	422.0	424.6	429.1	432.7	438.0	445.1	452.2	457.5	462.9	470.0	477.2
167.5°	429.3	430.9	433.4	435.9	439.2	445.1	450.0	452.5	456.6	461.6	466.8
170°	433.5	434.4	436.2	438.0	440.6	445.1	448.6	450.4	453.1	456.6	461.1
172.5°	435.7	436.6	438.3	439.3	440.6	444.3	447.2	447.5	448.8	451.7	454.7
175°	438.8	439.7	440.6	440.6	440.6	443.3	445.1	444.2	444.2	445.1	447.7
177.5°	440.8	440.8	441.5	440.8	440.8	442.2	442.9	441.5	441.5	442.2	442.9
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5	441.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1140.9	1143.9	1150.1	1147.9	1150.9	1152.4	1153.9
5°	1233.1	1247.9	1254.4	1253.4	1263.1	1260.8	1258.5
7.5°	1337.1	1352.7	1361.4	1372.3	1378.5	1378.9	1384.5
10°	1396.1	1416.4	1424.8	1436.3	1443.7	1447.9	1447.4
12.5°	1441.2	1457.1	1475.9	1481.5	1491.5	1496.7	1494.9
15°	1495.6	1521.1	1540.5	1550.2	1562.7	1566.4	1571.6
17.5°	1544.1	1578.2	1601.0	1631.1	1642.5	1649.5	1645.4
20°	1580.7	1625.7	1648.4	1684.5	1704.4	1715.0	1711.4
22.5°	1624.1	1672.8	1714.7	1746.0	1776.3	1790.6	1793.6
25°	1698.4	1765.1	1826.7	1867.9	1905.3	1914.1	1933.6
27.5°	1781.4	1860.0	1925.8	1969.2	1995.3	2005.1	2011.2
30°	1833.6	1911.8	1961.4	1989.1	1997.5	1996.5	1995.6
32.5°	1859.1	1908.2	1917.6	1909.9	1890.8	1874.7	1857.9
35°	1822.9	1786.4	1731.7	1661.3	1609.4	1557.2	1552.0
37.5°	1639.5	1522.5	1431.6	1330.0	1271.4	1235.2	1210.1
40°	1466.9	1334.0	1223.8	1138.1	1078.3	1054.8	1031.6
42.5°	1279.4	1152.4	1054.9	983.3	938.3	912.1	893.9
45°	1039.5	927.5	851.0	799.2	763.6	743.2	731.6
47.5°	851.8	768.9	704.0	666.6	641.9	626.1	626.2
50°	751.0	671.8	628.7	599.1	577.8	565.3	567.7
52.5°	661.7	602.6	565.8	541.0	525.2	517.5	517.3
55°	553.3	510.7	486.6	468.6	457.9	449.2	451.0
57.5°	473.3	437.4	421.2	406.3	398.9	395.3	390.2
60°	423.7	395.9	382.0	370.0	362.6	359.8	354.6
62.5°	379.6	357.8	344.2	334.4	327.7	326.8	322.8
65°	319.1	302.4	290.3	285.7	278.7	276.9	276.9
67.5°	263.0	251.0	241.7	237.5	234.3	234.9	232.6
70°	227.8	218.1	212.0	207.4	205.1	205.5	203.8
72.5°	199.3	188.4	183.2	180.4	177.4	178.5	177.8
75°	151.0	145.3	142.6	139.8	137.9	137.1	136.2
77.5°	110.8	105.9	103.8	102.3	102.5	100.3	102.0
80°	85.7	81.5	80.1	77.8	77.3	77.3	76.9
82.5°	62.7	60.4	59.4	57.4	56.6	57.3	56.1
85°	32.4	30.6	30.1	30.1	29.2	28.3	30.6
87.5°	15.2	13.9	14.3	13.9	13.9	13.7	13.0
90°	16.9	17.8	19.6	19.6	19.6	20.5	20.5
92.5°	114.5	86.1	73.0	61.6	59.5	58.2	56.8
95°	504.7	395.2	320.5	257.3	230.6	223.5	209.2
97.5°	858.3	751.6	647.6	592.7	542.8	517.0	505.6
100°	1051.3	959.6	867.0	805.6	741.5	708.6	694.4
102.5°	1169.5	1125.5	1062.8	997.2	951.6	915.8	905.1
105°	1236.4	1275.6	1265.8	1237.3	1208.0	1190.2	1179.5
107.5°	1176.8	1277.4	1323.8	1338.3	1338.1	1332.2	1325.1
110°	1109.1	1234.7	1310.4	1350.4	1367.3	1373.5	1373.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1042.2	1169.1	1258.4	1316.9	1345.9	1361.5	1367.8
115°	946.3	1068.2	1165.2	1234.7	1277.4	1302.3	1313.9
117.5°	879.9	984.9	1073.9	1143.4	1187.5	1212.2	1219.3
120°	842.1	940.0	1018.3	1084.2	1126.9	1151.0	1158.2
122.5°	815.0	902.2	975.6	1034.4	1073.5	1097.6	1104.0
125°	778.9	856.3	920.4	970.3	1006.7	1026.4	1035.3
127.5°	744.4	816.6	876.6	921.9	954.0	972.6	976.5
130°	720.1	789.6	847.5	892.0	921.3	939.1	944.5
132.5°	697.3	760.4	816.1	860.6	890.0	906.3	912.4
135°	662.3	719.3	770.0	809.1	838.6	854.5	859.9
137.5°	631.0	678.3	721.4	756.4	783.2	798.0	803.8
140°	612.4	653.4	690.8	723.7	746.9	760.2	764.6
142.5°	596.7	632.0	664.4	692.4	711.9	724.6	728.3
145°	576.8	604.4	628.5	649.8	664.9	674.8	678.3
147.5°	560.3	581.5	599.6	616.5	628.7	634.4	636.0
150°	551.0	567.9	584.0	597.3	608.0	611.5	612.4
152.5°	541.7	557.2	569.7	580.9	589.5	593.0	593.9
155°	527.9	540.4	550.1	559.0	565.3	567.9	568.8
157.5°	514.7	524.3	532.0	539.0	544.0	546.5	546.4
160°	504.7	513.6	519.9	526.1	530.6	532.4	531.5
162.5°	496.1	503.6	509.2	514.0	517.7	518.1	517.9
165°	483.4	488.7	493.1	496.7	498.5	498.5	498.5
167.5°	470.9	475.0	478.2	480.0	481.6	480.9	480.7
170°	463.8	466.5	468.2	470.0	470.9	470.9	470.0
172.5°	457.4	459.3	460.4	460.7	462.4	460.9	460.0
175°	447.7	449.5	449.5	449.5	450.4	448.6	447.7
177.5°	443.6	443.6	443.6	442.9	443.6	441.5	441.5
180°	441.5	441.5	441.5	441.5	441.5	441.5	441.5

(END OF REPORT)