

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: P332020-935

Luminaire Tested: **S123DIP-S1000D805U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332020-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D805U935-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6154.3 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

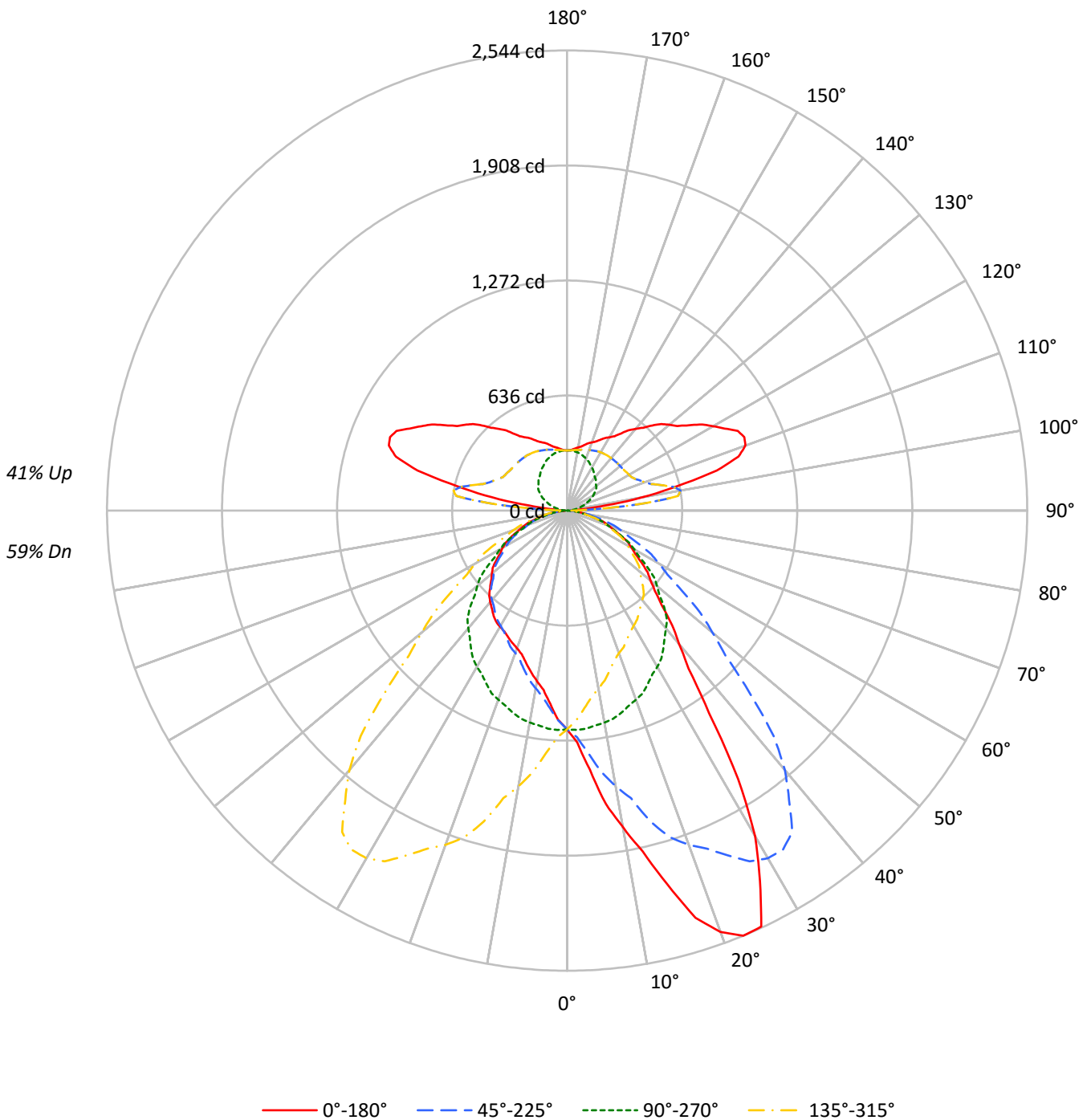
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	68	66	64	58	56	55	51
2	92	84	78	73	85	79	74	69	69	65	61	60	57	54	51	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	40	37
4	77	66	58	52	71	62	55	49	54	49	44	47	43	40	41	38	35	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	33	31	28
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	24	22	19
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20	17
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13017	13017	13017	13017
5°	15524	13073	11585	13073
10°	19429	13007	10463	13007
15°	23832	12902	9742	12902
20°	28389	12739	9275	12739
25°	30144	12539	9171	12539
30°	25838	12394	9220	12394
35°	17969	12188	9315	12188
40°	13534	11946	9286	11946
45°	11237	11586	9168	11586
50°	10068	10851	9085	10851
55°	9411	10061	8972	10061
60°	8829	9233	8880	9233
65°	8298	8418	8596	8418
70°	7783	7487	8186	7487
75°	6970	6554	7507	6554
80°	6100	5374	6465	5374
85°	4780	3903	4335	3903



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.9
10°-20°	382.0	6.2
20°-30°	641.1	10.4
30°-40°	725.9	11.8
40°-50°	651.0	10.6
50°-60°	525.3	8.5
60°-70°	366.1	5.9
70°-80°	192.4	3.1
80°-90°	49.6	0.8
90°-100°	185.1	3.0
100°-110°	524.0	8.5
110°-120°	515.5	8.4
120°-130°	411.2	6.7
130°-140°	324.2	5.3
140°-150°	242.0	3.9
150°-160°	168.6	2.7
160°-170°	99.1	1.6
170°-180°	32.2	0.5
0°-30°	1142.2	18.6
0°-40°	1868.1	30.4
0°-60°	3044.4	49.5
0°-90°	3652.5	59.3
90°-120°	1224.6	19.9
90°-150°	2201.9	35.8
90°-180°	2502.0	40.7
0°-180°	6154.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1209	1209	1209	1209	1209	
5°	1437	1210	1072	1210	1437	149
15°	2139	1158	874	1158	2139	617
25°	2538	1056	772	1056	2538	1113
35°	1368	928	709	928	1368	888
45°	738	761	602	761	738	584
55°	502	536	478	536	502	450
65°	326	330	338	330	326	324
75°	168	158	180	158	168	179
85°	39	32	35	32	39	46
90°	20	1	20	1	20	12
95°	78	23	78	23	78	141
105°	856	78	856	78	856	845
115°	1041	138	1041	138	1041	1012
125°	821	192	821	192	821	744
135°	666	225	666	225	666	516
145°	520	256	520	256	520	331
155°	431	291	431	291	431	201
165°	376	318	376	318	376	108
175°	339	332	339	332	339	33
180°	332	332	332	332	332	



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1283.3	1282.5	1280.0	1281.9	1278.2	1273.1	1272.6	1267.9	1254.3	1253.4	1249.7
5°	1436.7	1431.9	1431.3	1430.8	1422.5	1411.4	1390.3	1388.6	1360.5	1346.4	1329.4
7.5°	1635.1	1637.6	1629.0	1621.5	1596.5	1579.9	1557.3	1528.4	1493.8	1458.8	1435.5
10°	1777.6	1797.0	1773.0	1756.5	1741.3	1712.6	1679.2	1637.6	1596.0	1547.4	1510.5
12.5°	1930.4	1939.9	1935.1	1919.7	1896.0	1852.3	1793.1	1747.3	1709.0	1628.0	1595.3
15°	2138.6	2174.3	2151.5	2098.7	2099.9	2058.3	1980.9	1896.0	1850.9	1779.9	1683.3
17.5°	2360.3	2364.7	2355.0	2311.0	2281.7	2224.6	2153.2	2071.7	1980.4	1894.5	1792.1
20°	2478.4	2474.9	2454.4	2431.5	2381.1	2336.6	2258.7	2167.8	2050.6	1966.3	1854.4
22.5°	2544.0	2538.1	2528.4	2509.3	2467.4	2419.6	2349.6	2250.3	2138.8	2022.6	1893.3
25°	2538.1	2545.7	2546.9	2541.7	2527.0	2498.3	2443.2	2364.1	2252.8	2103.4	1968.7
27.5°	2308.4	2319.3	2350.5	2378.3	2409.3	2441.0	2436.8	2397.5	2315.1	2186.1	2021.4
30°	2078.8	2055.4	2113.3	2186.6	2236.4	2324.3	2373.5	2376.4	2330.1	2219.4	2058.8
32.5°	1760.1	1785.8	1811.5	1901.6	2010.4	2109.1	2207.1	2286.0	2295.0	2221.3	2080.9
35°	1367.5	1399.7	1446.6	1493.5	1610.7	1711.4	1883.7	2033.7	2153.2	2169.0	2082.8
37.5°	1102.0	1117.9	1147.5	1194.6	1271.2	1390.7	1524.0	1713.6	1886.7	2015.5	2021.1
40°	963.2	967.9	1001.3	1037.1	1099.2	1197.6	1317.7	1485.2	1692.6	1872.6	1947.6
42.5°	859.2	869.4	883.6	918.0	967.4	1041.5	1153.1	1291.7	1481.8	1688.8	1835.5
45°	738.2	749.9	758.7	781.6	816.7	866.5	944.5	1071.0	1215.7	1429.6	1627.0
47.5°	658.3	659.3	665.8	683.0	707.0	744.3	799.4	880.7	1013.6	1187.1	1389.7
50°	601.2	610.5	612.9	626.3	645.1	672.6	718.3	787.5	896.5	1048.8	1235.1
52.5°	560.9	563.6	570.2	580.0	596.3	617.8	657.4	711.5	797.0	926.9	1098.2
55°	501.5	501.5	508.0	515.6	525.0	544.3	570.7	610.5	675.5	776.4	918.1
57.5°	446.7	449.6	454.2	456.5	464.5	477.3	499.3	529.5	578.1	655.7	768.4
60°	410.1	415.4	414.8	419.5	426.5	436.5	455.2	479.8	523.2	585.3	680.3
62.5°	378.2	377.9	377.8	383.4	390.5	399.9	412.2	433.4	470.3	525.3	606.1
65°	325.8	324.6	328.7	332.2	334.6	341.6	350.9	369.7	394.3	435.3	498.0
67.5°	279.1	275.7	277.9	279.1	283.1	288.6	297.4	309.0	328.6	361.5	408.7
70°	247.3	244.4	243.7	244.9	248.4	252.5	259.0	270.1	288.3	314.6	349.2
72.5°	214.5	212.4	212.3	214.9	216.5	219.2	223.8	234.0	248.4	268.2	300.5
75°	167.6	167.6	167.6	168.2	169.9	172.3	175.7	181.1	192.2	206.2	227.9
77.5°	125.6	125.5	124.8	124.7	127.3	128.3	129.2	134.1	140.3	149.7	165.6
80°	98.4	95.5	96.7	98.4	99.6	100.2	101.9	103.1	108.4	113.7	124.8
82.5°	73.1	70.7	70.9	73.6	73.8	74.4	76.2	77.8	79.8	84.6	90.6
85°	38.7	38.7	39.3	39.3	39.9	39.3	41.0	41.6	41.6	44.5	48.0
87.5°	18.0	17.1	17.5	17.8	17.5	17.7	18.0	18.3	18.7	19.3	19.4
90°	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8	16.2	16.8	14.8
92.5°	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7	78.1	103.5	113.9
95°	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4	323.8	399.2	355.4
97.5°	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1	661.9	618.6	452.9
100°	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7	770.1	637.5	430.8
102.5°	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6	775.5	602.4	398.5
105°	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1	734.4	541.2	358.8
107.5°	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1	662.5	487.1	333.5
110°	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5	617.3	456.4	323.8



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3	578.0	435.9	318.4
115°	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0	530.5	414.0	316.4
117.5°	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9	501.8	401.1	317.6
120°	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6	486.7	395.1	319.8
122.5°	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7	474.3	391.4	323.5
125°	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1	458.4	386.4	329.2
127.5°	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0	444.4	384.0	335.6
130°	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5	436.9	382.4	339.9
132.5°	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0	429.9	381.8	343.2
135°	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8	420.7	381.0	348.0
137.5°	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3	412.8	379.5	351.3
140°	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5	407.9	379.0	353.4
142.5°	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4	403.6	377.9	355.0
145°	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4	397.9	376.3	356.1
147.5°	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4	392.2	373.8	356.1
150°	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9	388.4	371.6	356.1
152.5°	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0	384.1	368.9	354.5
155°	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1	377.6	364.2	352.8
157.5°	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6	370.4	360.0	350.4
160°	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3	365.5	356.8	349.4
162.5°	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8	360.7	353.5	347.2
165°	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5	354.0	348.7	344.0
167.5°	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1	347.8	343.9	340.8
170°	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3	344.0	340.6	338.6
172.5°	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0	340.2	337.9	337.0
175°	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3	335.9	334.6	334.6
177.5°	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6	333.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1246.8	1243.0	1239.3	1232.8	1227.1	1219.2	1216.8	1214.0	1205.6	1198.1	1192.4
5°	1322.9	1308.9	1288.4	1269.6	1254.4	1233.9	1222.2	1209.9	1192.3	1176.5	1163.6
7.5°	1402.7	1375.0	1343.2	1308.6	1276.6	1245.6	1220.6	1198.4	1173.8	1150.5	1132.3
10°	1465.9	1426.1	1381.6	1333.5	1292.5	1252.7	1219.3	1190.0	1158.3	1130.8	1107.9
12.5°	1538.1	1479.0	1417.6	1359.3	1310.8	1255.5	1215.0	1177.8	1141.9	1108.8	1083.1
15°	1623.5	1548.5	1475.9	1395.6	1321.8	1252.7	1204.6	1157.8	1116.1	1082.2	1049.4
17.5°	1701.3	1616.4	1520.6	1423.1	1333.9	1252.0	1184.7	1131.7	1079.7	1038.1	1005.4
20°	1745.4	1648.7	1540.3	1439.0	1340.6	1249.1	1175.4	1112.1	1055.8	1011.8	974.9
22.5°	1783.4	1670.3	1558.2	1449.8	1340.1	1241.6	1158.0	1092.9	1031.9	988.9	949.6
25°	1822.7	1687.4	1574.9	1447.8	1325.3	1223.4	1129.6	1055.8	994.9	944.5	904.0
27.5°	1856.5	1686.3	1552.7	1416.0	1302.1	1199.9	1099.8	1020.6	956.0	901.2	860.2
30°	1879.0	1688.6	1529.8	1394.5	1279.6	1174.1	1076.9	997.2	929.3	873.6	834.9
32.5°	1893.1	1687.1	1508.7	1364.4	1244.0	1150.7	1052.1	969.6	899.7	845.0	807.7
35°	1901.3	1676.9	1472.4	1302.4	1186.5	1095.6	1013.1	927.5	854.3	803.3	761.1
37.5°	1884.8	1655.2	1430.2	1242.7	1115.7	1026.2	956.7	883.9	813.8	757.7	721.3
40°	1859.1	1641.2	1397.4	1200.5	1067.0	980.8	921.6	850.2	781.0	727.7	693.7
42.5°	1809.8	1612.5	1361.3	1153.7	1016.3	930.1	875.7	816.0	750.5	700.5	666.5
45°	1689.7	1550.3	1307.2	1083.3	941.5	852.5	804.4	761.1	701.9	653.2	624.0
47.5°	1523.1	1456.6	1228.9	1009.2	863.5	777.8	727.9	693.0	649.8	610.5	582.4
50°	1407.3	1379.8	1175.9	958.6	811.5	727.7	679.7	648.0	617.0	577.7	551.9
52.5°	1273.8	1290.7	1114.0	906.0	758.5	676.1	630.9	605.8	577.6	545.4	522.9
55°	1085.7	1147.2	1007.2	817.9	679.7	601.2	558.4	536.1	519.7	495.7	476.3
57.5°	909.6	987.8	891.7	727.1	602.2	534.4	493.4	469.2	458.7	446.1	430.8
60°	805.0	882.4	809.2	666.2	550.2	485.7	449.4	428.9	418.4	409.6	396.7
62.5°	711.8	790.1	728.5	604.3	499.0	439.3	407.7	387.6	379.4	374.9	363.9
65°	583.6	650.9	609.9	508.0	425.9	373.2	344.5	330.5	322.9	321.1	314.0
67.5°	474.9	526.2	496.4	421.4	356.8	311.3	286.9	274.9	269.1	268.5	263.2
70°	403.7	451.8	428.9	360.9	305.2	269.5	248.4	237.9	234.4	233.8	230.8
72.5°	348.4	381.9	363.7	307.0	264.0	231.5	216.1	205.1	201.0	201.9	199.9
75°	257.8	283.0	272.4	233.2	198.6	177.5	164.6	157.6	154.1	155.8	153.5
77.5°	185.5	201.5	191.9	164.8	143.4	128.2	118.7	114.3	111.2	111.1	110.0
80°	140.0	149.4	144.1	127.7	110.1	97.3	89.6	86.7	85.0	84.4	83.8
82.5°	99.7	107.7	101.5	90.2	78.3	70.5	66.2	62.3	61.0	61.4	60.8
85°	50.4	53.3	51.0	43.9	39.3	35.7	33.4	31.6	30.5	31.1	29.9
87.5°	19.9	20.0	18.2	16.0	14.8	13.0	12.7	11.5	10.8	11.1	11.0
90°	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4	2.7	4.0	6.0
92.5°	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4	12.4	18.1	23.3
95°	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9	24.9	32.3	43.7
97.5°	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0	39.7	45.5	55.4
100°	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9	50.5	55.2	64.7
102.5°	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1	62.3	66.5	75.4
105°	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1	80.1	84.1	92.2
107.5°	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1	98.2	102.0	109.9
110°	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1	111.1	114.4	121.8



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9	123.0	126.3	133.7
115°	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0	140.7	144.7	151.4
117.5°	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1	158.2	161.5	167.7
120°	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9	168.9	172.3	179.1
122.5°	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2	179.2	182.5	189.9
125°	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8	193.2	197.3	204.7
127.5°	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0	205.0	210.0	217.6
130°	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0	212.1	218.1	226.2
132.5°	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4	218.0	224.5	234.3
135°	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8	227.6	235.0	245.0
137.5°	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7	236.5	243.8	254.6
140°	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6	243.0	249.8	260.5
142.5°	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1	248.9	256.2	265.9
145°	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5	258.5	264.6	274.7
147.5°	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0	268.2	274.1	282.8
150°	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0	274.7	280.0	288.8
152.5°	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9	281.1	286.5	294.2
155°	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4	291.4	295.5	302.2
157.5°	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8	300.3	303.6	309.5
160°	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3	306.3	309.0	314.4
162.5°	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2	311.2	313.3	317.6
165°	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4	317.7	319.1	322.4
167.5°	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9	323.1	323.8	326.3
170°	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2	325.8	326.5	328.5
172.5°	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3	328.5	328.6	330.1
175°	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8	331.2	330.5	331.8
177.5°	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0	332.5	332.0	332.5
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1189.1	1185.9	1181.2	1174.1	1168.5	1159.6	1159.6	1161.1	1161.1	1160.5	1159.6
5°	1153.1	1144.3	1133.8	1121.5	1108.5	1095.6	1093.3	1088.6	1085.1	1082.7	1079.8
7.5°	1115.0	1099.4	1084.0	1066.8	1051.1	1038.1	1029.1	1021.6	1016.8	1011.6	1007.9
10°	1089.2	1069.9	1051.7	1033.5	1013.6	997.8	987.8	980.8	975.5	970.9	968.5
12.5°	1058.7	1036.6	1016.6	999.3	977.5	961.2	951.7	948.5	942.3	932.4	927.2
15°	1014.2	993.7	969.7	943.3	932.7	912.8	901.7	896.5	892.9	885.3	883.0
17.5°	976.1	949.3	922.3	902.7	883.0	866.9	860.7	854.1	849.5	843.3	841.4
20°	945.6	921.6	897.0	875.9	855.4	837.8	832.6	827.9	823.2	820.3	817.9
22.5°	914.7	890.7	870.3	850.6	828.7	817.2	811.5	806.3	803.1	801.1	798.7
25°	871.2	850.2	827.3	809.7	792.1	784.5	781.0	778.1	775.8	772.8	772.2
27.5°	832.3	809.3	790.8	774.5	761.8	755.4	752.1	750.6	751.1	752.2	752.9
30°	803.3	782.2	767.0	752.9	741.1	735.3	734.7	734.7	737.1	737.6	738.8
32.5°	776.5	759.2	744.0	730.4	721.5	717.5	719.7	719.7	721.6	723.2	725.2
35°	737.6	722.4	710.7	699.0	691.4	693.1	694.3	695.4	698.4	701.9	704.3
37.5°	700.5	687.3	675.1	665.9	662.5	665.6	668.4	670.9	674.2	676.9	679.3
40°	673.8	663.8	652.1	643.9	645.1	646.9	649.2	652.1	655.0	656.8	659.2
42.5°	648.9	638.5	629.6	622.8	624.5	626.7	628.1	629.6	633.0	636.2	637.6
45°	611.1	602.9	594.7	590.6	591.8	593.0	594.1	595.9	598.8	601.2	601.8
47.5°	568.5	562.8	557.3	553.4	555.2	554.7	556.3	560.0	560.9	562.3	565.6
50°	541.4	536.1	529.7	528.5	528.5	528.5	529.1	533.7	533.7	536.1	538.5
52.5°	511.3	508.0	503.9	501.8	500.8	500.8	503.3	505.7	506.6	509.9	512.2
55°	467.0	463.5	459.9	458.1	457.0	458.1	462.9	464.0	467.0	468.7	470.5
57.5°	420.7	418.0	415.2	414.2	414.0	415.5	418.1	421.6	422.3	427.7	430.4
60°	390.2	386.1	383.7	383.7	382.6	387.9	386.7	392.5	393.7	397.3	401.3
62.5°	358.8	353.3	352.3	352.3	354.0	355.5	357.1	359.7	362.8	367.2	370.4
65°	308.2	305.2	309.4	308.8	307.6	311.1	311.1	314.0	317.5	321.7	328.1
67.5°	260.3	258.7	259.1	259.1	260.9	262.9	264.5	267.1	271.3	275.6	279.8
70°	227.9	229.7	226.8	229.1	230.8	231.4	232.6	236.1	240.8	243.7	248.4
72.5°	196.5	196.4	196.7	197.7	199.4	200.5	201.6	205.7	210.8	213.3	217.1
75°	151.2	150.6	152.3	152.3	155.2	156.4	157.6	159.4	164.0	167.6	170.5
77.5°	110.4	111.1	110.7	112.7	111.9	112.1	115.8	117.5	118.0	124.9	126.5
80°	83.2	84.4	85.0	85.6	86.1	85.0	89.0	90.8	90.8	94.9	97.8
82.5°	59.8	60.4	62.0	62.6	62.7	63.9	64.2	65.5	66.9	68.7	72.5
85°	29.9	31.6	32.2	31.6	32.2	31.1	32.8	33.4	34.0	34.0	34.0
87.5°	10.8	11.6	11.5	12.4	12.3	13.2	13.1	12.3	12.4	13.9	12.3
90°	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8	17.5	18.2	19.5
92.5°	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7	44.9	39.7	36.2
95°	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4	164.3	128.5	104.4
97.5°	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1	483.9	397.0	316.5
100°	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7	739.1	660.4	564.7
102.5°	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6	854.9	809.0	748.4
105°	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1	942.4	955.2	937.7
107.5°	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1	931.3	990.3	1014.3
110°	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5	895.3	980.1	1027.3



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3	847.9	943.0	1003.5
115°	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0	772.1	871.1	944.4
117.5°	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9	708.0	796.9	871.3
120°	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6	672.4	753.3	821.2
122.5°	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7	643.9	718.8	782.0
125°	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1	608.6	673.1	727.0
127.5°	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0	577.4	635.8	684.8
130°	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5	558.0	612.6	658.3
132.5°	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0	539.8	590.5	634.1
135°	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8	513.6	557.3	595.7
137.5°	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3	488.4	526.2	559.4
140°	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5	473.9	506.2	535.1
142.5°	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4	459.9	487.9	513.1
145°	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4	441.6	463.1	482.7
147.5°	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4	428.0	445.4	459.3
150°	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9	419.4	433.5	446.3
152.5°	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0	411.3	423.8	434.5
155°	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1	399.8	409.9	418.0
157.5°	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6	388.7	396.5	402.8
160°	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3	381.7	388.4	393.1
162.5°	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8	374.1	380.3	384.5
165°	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5	363.5	368.2	371.6
167.5°	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1	355.2	358.0	360.4
170°	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3	349.4	352.1	353.4
172.5°	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0	344.5	346.6	347.5
175°	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3	337.9	339.2	339.2
177.5°	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6	334.2	334.7	334.7
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1156.3	1155.9	1159.2	1156.8	1159.2	1155.9	1156.3	1159.6	1160.5	1161.1	1161.1
5°	1076.3	1078.1	1072.2	1072.2	1072.2	1078.1	1076.3	1079.8	1082.7	1085.1	1088.6
7.5°	1005.0	1002.5	1002.7	999.5	1002.7	1002.5	1005.0	1007.9	1011.6	1016.8	1021.6
10°	961.5	957.9	956.7	957.3	956.7	957.9	961.5	968.5	970.9	975.5	980.8
12.5°	925.4	924.7	917.0	917.1	917.0	924.7	925.4	927.2	932.4	942.3	948.5
15°	883.0	871.8	870.6	874.2	870.6	871.8	883.0	883.0	885.3	892.9	896.5
17.5°	840.4	834.6	834.9	833.2	834.9	834.6	840.4	841.4	843.3	849.5	854.1
20°	817.9	814.4	813.8	809.7	813.8	814.4	817.9	817.9	820.3	823.2	827.9
22.5°	797.3	796.2	796.5	791.9	796.5	796.2	797.3	798.7	801.1	803.1	806.3
25°	771.6	774.6	772.2	772.2	772.2	774.6	771.6	772.2	772.8	775.8	778.1
27.5°	754.3	754.1	753.0	753.0	753.0	754.1	754.3	752.9	752.2	751.1	750.6
30°	741.1	740.5	741.8	741.8	741.8	740.5	741.1	738.8	737.6	737.1	734.7
32.5°	728.1	728.8	729.1	729.5	729.1	728.8	728.1	725.2	723.2	721.6	719.7
35°	707.7	708.3	710.2	708.9	710.2	708.3	707.7	704.3	701.9	698.4	695.4
37.5°	680.4	683.0	682.4	683.4	682.4	683.0	680.4	679.3	676.9	674.2	670.9
40°	659.7	661.5	660.9	660.9	660.9	661.5	659.7	659.2	656.8	655.0	652.1
42.5°	638.6	639.9	638.4	637.5	638.4	639.9	638.6	637.6	636.2	633.0	629.6
45°	604.1	602.9	604.7	602.3	604.7	602.9	604.1	601.8	601.2	598.8	595.9
47.5°	565.4	566.5	567.1	568.8	567.1	566.5	565.4	565.6	562.3	560.9	560.0
50°	539.6	543.1	543.1	542.5	543.1	543.1	539.6	538.5	536.1	533.7	533.7
52.5°	514.3	515.9	518.3	518.1	518.3	515.9	514.3	512.2	509.9	506.6	505.7
55°	475.2	476.3	477.5	478.1	477.5	476.3	475.2	470.5	468.7	467.0	464.0
57.5°	434.6	434.1	437.0	437.8	437.0	434.1	434.6	430.4	427.7	422.3	421.6
60°	406.0	406.0	410.7	412.5	410.7	406.0	406.0	401.3	397.3	393.7	392.5
62.5°	375.6	377.5	382.1	379.7	382.1	377.5	375.6	370.4	367.2	362.8	359.7
65°	331.1	335.7	335.1	337.5	335.1	335.7	331.1	328.1	321.7	317.5	314.0
67.5°	284.5	287.4	291.6	292.1	291.6	287.4	284.5	279.8	275.6	271.3	267.1
70°	253.1	256.1	258.4	260.1	258.4	256.1	253.1	248.4	243.7	240.8	236.1
72.5°	222.7	224.2	229.8	227.3	229.8	224.2	222.7	217.1	213.3	210.8	205.7
75°	174.6	178.7	182.2	180.5	182.2	178.7	174.6	170.5	167.6	164.0	159.4
77.5°	129.2	133.2	134.8	133.4	134.8	133.2	129.2	126.5	124.9	118.0	117.5
80°	101.9	101.3	104.9	104.3	104.9	101.3	101.9	97.8	94.9	90.8	90.8
82.5°	74.7	74.2	75.9	76.2	75.9	74.2	74.7	72.5	68.7	66.9	65.5
85°	36.3	38.1	35.7	35.1	35.7	38.1	36.3	34.0	34.0	34.0	33.4
87.5°	12.2	12.3	12.0	11.4	12.0	12.3	12.2	12.3	13.9	12.4	12.3
90°	18.9	19.5	20.2	19.5	20.2	19.5	18.9	19.5	18.2	17.5	16.8
92.5°	35.0	33.0	33.7	32.5	33.7	33.0	35.0	36.2	39.7	44.9	56.7
95°	91.5	85.5	80.8	78.1	80.8	85.5	91.5	104.4	128.5	164.3	242.4
97.5°	266.8	236.5	218.3	212.6	218.3	236.5	266.8	316.5	397.0	483.9	604.1
100°	496.8	447.6	421.4	422.1	421.4	447.6	496.8	564.7	660.4	739.1	793.7
102.5°	695.5	656.6	634.6	619.1	634.6	656.6	695.5	748.4	809.0	854.9	856.6
105°	906.7	881.1	859.6	856.3	859.6	881.1	906.7	937.7	955.2	942.4	875.1
107.5°	1014.9	1006.3	998.9	992.7	998.9	1006.3	1014.9	1014.3	990.3	931.3	822.1
110°	1046.0	1051.5	1050.1	1048.8	1050.1	1051.5	1046.0	1027.3	980.1	895.3	771.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1038.0	1054.7	1059.8	1060.1	1059.8	1054.7	1038.0	1003.5	943.0	847.9	721.3
115°	994.9	1024.5	1038.0	1041.4	1038.0	1024.5	994.9	944.4	871.1	772.1	655.0
117.5°	923.9	957.9	977.2	981.9	977.2	957.9	923.9	871.3	796.9	708.0	606.9
120°	874.4	912.1	928.2	932.3	928.2	912.1	874.4	821.2	753.3	672.4	581.6
122.5°	829.1	863.1	880.9	886.0	880.9	863.1	829.1	782.0	718.8	643.9	561.7
125°	770.1	799.7	816.5	821.2	816.5	799.7	770.1	727.0	673.1	608.6	535.1
127.5°	723.1	748.4	763.6	767.9	763.6	748.4	723.1	684.8	635.8	577.4	512.0
130°	694.1	718.2	732.4	737.8	732.4	718.2	694.1	658.3	612.6	558.0	497.5
132.5°	667.6	691.9	704.4	708.2	704.4	691.9	667.6	634.1	590.5	539.8	484.0
135°	628.7	648.9	661.0	665.7	661.0	648.9	628.7	595.7	557.3	513.6	465.8
137.5°	587.1	607.6	617.9	621.0	617.9	607.6	587.1	559.4	526.2	488.4	449.3
140°	560.8	579.5	590.4	589.7	590.4	579.5	560.8	535.1	506.2	473.9	439.5
142.5°	534.9	551.6	561.3	560.6	561.3	551.6	534.9	513.1	487.9	459.9	430.4
145°	499.5	513.6	519.0	520.3	519.0	513.6	499.5	482.7	463.1	441.6	419.4
147.5°	472.0	481.6	486.7	487.2	486.7	481.6	472.0	459.3	445.4	428.0	410.4
150°	456.4	463.8	467.9	467.9	467.9	463.8	456.4	446.3	433.5	419.4	403.9
152.5°	442.4	449.3	451.7	451.7	451.7	449.3	442.4	434.5	423.8	411.3	398.0
155°	424.0	429.5	430.8	431.4	430.8	429.5	424.0	418.0	409.9	399.8	389.1
157.5°	408.0	412.1	413.2	413.0	413.2	412.1	408.0	402.8	396.5	388.7	379.6
160°	397.9	401.8	401.8	401.2	401.8	401.8	397.9	393.1	388.4	381.7	374.3
162.5°	387.6	391.1	391.1	390.5	391.1	391.1	387.6	384.5	380.3	374.1	367.8
165°	374.3	376.9	376.3	376.3	376.3	376.9	374.3	371.6	368.2	363.5	359.5
167.5°	361.6	363.5	362.8	362.8	362.8	363.5	361.6	360.4	358.0	355.2	352.1
170°	354.0	355.4	354.7	354.7	354.7	355.4	354.0	353.4	352.1	349.4	347.3
172.5°	347.6	349.0	347.8	347.2	347.8	349.0	347.6	347.5	346.6	344.5	343.0
175°	339.2	339.9	339.2	338.6	339.2	339.9	339.2	339.2	339.2	337.9	337.3
177.5°	334.2	334.7	333.6	333.6	333.6	334.7	334.2	334.7	334.7	334.2	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1159.6	1159.6	1168.5	1174.1	1181.2	1185.9	1189.1	1192.4	1198.1	1205.6	1214.0
5°	1093.3	1095.6	1108.5	1121.5	1133.8	1144.3	1153.1	1163.6	1176.5	1192.3	1209.9
7.5°	1029.1	1038.1	1051.1	1066.8	1084.0	1099.4	1115.0	1132.3	1150.5	1173.8	1198.4
10°	987.8	997.8	1013.6	1033.5	1051.7	1069.9	1089.2	1107.9	1130.8	1158.3	1190.0
12.5°	951.7	961.2	977.5	999.3	1016.6	1036.6	1058.7	1083.1	1108.8	1141.9	1177.8
15°	901.7	912.8	932.7	943.3	969.7	993.7	1014.2	1049.4	1082.2	1116.1	1157.8
17.5°	860.7	866.9	883.0	902.7	922.3	949.3	976.1	1005.4	1038.1	1079.7	1131.7
20°	832.6	837.8	855.4	875.9	897.0	921.6	945.6	974.9	1011.8	1055.8	1112.1
22.5°	811.5	817.2	828.7	850.6	870.3	890.7	914.7	949.6	988.9	1031.9	1092.9
25°	781.0	784.5	792.1	809.7	827.3	850.2	871.2	904.0	944.5	994.9	1055.8
27.5°	752.1	755.4	761.8	774.5	790.8	809.3	832.3	860.2	901.2	956.0	1020.6
30°	734.7	735.3	741.1	752.9	767.0	782.2	803.3	834.9	873.6	929.3	997.2
32.5°	719.7	717.5	721.5	730.4	744.0	759.2	776.5	807.7	845.0	899.7	969.6
35°	694.3	693.1	691.4	699.0	710.7	722.4	737.6	761.1	803.3	854.3	927.5
37.5°	668.4	665.6	662.5	665.9	675.1	687.3	700.5	721.3	757.7	813.8	883.9
40°	649.2	646.9	645.1	643.9	652.1	663.8	673.8	693.7	727.7	781.0	850.2
42.5°	628.1	626.7	624.5	622.8	629.6	638.5	648.9	666.5	700.5	750.5	816.0
45°	594.1	593.0	591.8	590.6	594.7	602.9	611.1	624.0	653.2	701.9	761.1
47.5°	556.3	554.7	555.2	553.4	557.3	562.8	568.5	582.4	610.5	649.8	693.0
50°	529.1	528.5	528.5	528.5	529.7	536.1	541.4	551.9	577.7	617.0	648.0
52.5°	503.3	500.8	500.8	501.8	503.9	508.0	511.3	522.9	545.4	577.6	605.8
55°	462.9	458.1	457.0	458.1	459.9	463.5	467.0	476.3	495.7	519.7	536.1
57.5°	418.1	415.5	414.0	414.2	415.2	418.0	420.7	430.8	446.1	458.7	469.2
60°	386.7	387.9	382.6	383.7	383.7	386.1	390.2	396.7	409.6	418.4	428.9
62.5°	357.1	355.5	354.0	352.3	352.3	353.3	358.8	363.9	374.9	379.4	387.6
65°	311.1	311.1	307.6	308.8	309.4	305.2	308.2	314.0	321.1	322.9	330.5
67.5°	264.5	262.9	260.9	259.1	259.1	258.7	260.3	263.2	268.5	269.1	274.9
70°	232.6	231.4	230.8	229.1	226.8	229.7	227.9	230.8	233.8	234.4	237.9
72.5°	201.6	200.5	199.4	197.7	196.7	196.4	196.5	199.9	201.9	201.0	205.1
75°	157.6	156.4	155.2	152.3	152.3	150.6	151.2	153.5	155.8	154.1	157.6
77.5°	115.8	112.1	111.9	112.7	110.7	111.1	110.4	110.0	111.1	111.2	114.3
80°	89.0	85.0	86.1	85.6	85.0	84.4	83.2	83.8	84.4	85.0	86.7
82.5°	64.2	63.9	62.7	62.6	62.0	60.4	59.8	60.8	61.4	61.0	62.3
85°	32.8	31.1	32.2	31.6	32.2	31.6	29.9	29.9	31.1	30.5	31.6
87.5°	13.1	13.2	12.3	12.4	11.5	11.6	10.8	11.0	11.1	10.8	11.5
90°	16.2	16.8	14.8	12.8	10.8	8.8	7.4	6.0	4.0	2.7	1.4
92.5°	78.1	103.5	113.9	85.5	56.6	38.9	28.9	23.3	18.1	12.4	8.4
95°	323.8	399.2	355.4	245.0	144.7	87.5	61.2	43.7	32.3	24.9	22.9
97.5°	661.9	618.6	452.9	268.9	155.8	101.1	72.7	55.4	45.5	39.7	39.0
100°	770.1	637.5	430.8	253.7	154.1	107.0	80.8	64.7	55.2	50.5	49.9
102.5°	775.5	602.4	398.5	240.8	156.3	114.0	90.0	75.4	66.5	62.3	61.1
105°	734.4	541.2	358.8	231.5	162.2	125.9	105.0	92.2	84.1	80.1	78.1
107.5°	662.5	487.1	333.5	230.9	173.2	141.4	122.0	109.9	102.0	98.2	96.1
110°	617.3	456.4	323.8	233.6	182.4	152.1	133.3	121.8	114.4	111.1	109.1



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	578.0	435.9	318.4	238.9	191.6	163.4	145.2	133.7	126.3	123.0	120.9
115°	530.5	414.0	316.4	247.7	206.6	181.1	162.9	151.4	144.7	140.7	138.0
117.5°	501.8	401.1	317.6	259.3	222.7	197.3	180.6	167.7	161.5	158.2	155.1
120°	486.7	395.1	319.8	267.9	232.9	208.7	191.8	179.1	172.3	168.9	166.9
122.5°	474.3	391.4	323.5	276.0	243.7	220.0	202.1	189.9	182.5	179.2	177.2
125°	458.4	386.4	329.2	288.8	259.2	235.6	217.4	204.7	197.3	193.2	191.8
127.5°	444.4	384.0	335.6	299.3	272.6	249.9	231.7	217.6	210.0	205.0	203.0
130°	436.9	382.4	339.9	306.3	280.7	258.5	240.3	226.2	218.1	212.1	210.0
132.5°	429.9	381.8	343.2	312.7	287.7	266.0	248.4	234.3	224.5	218.0	215.4
135°	420.7	381.0	348.0	321.1	298.2	277.3	259.2	245.0	235.0	227.6	224.8
137.5°	412.8	379.5	351.3	327.3	305.5	285.4	268.5	254.6	243.8	236.5	233.7
140°	407.9	379.0	353.4	330.5	310.3	290.8	274.0	260.5	249.8	243.0	239.6
142.5°	403.6	377.9	355.0	333.7	314.1	295.1	279.4	265.9	256.2	248.9	246.1
145°	397.9	376.3	356.1	337.3	319.1	301.6	286.1	274.7	264.6	258.5	256.5
147.5°	392.2	373.8	356.1	339.4	323.1	307.1	293.9	282.8	274.1	268.2	267.0
150°	388.4	371.6	356.1	339.9	325.8	310.3	298.2	288.8	280.0	274.7	274.0
152.5°	384.1	368.9	354.5	341.0	327.4	314.1	302.5	294.2	286.5	281.1	280.9
155°	377.6	364.2	352.8	341.3	330.5	319.1	309.6	302.2	295.5	291.4	291.4
157.5°	370.4	360.0	350.4	342.0	332.3	323.1	315.8	309.5	303.6	300.3	299.8
160°	365.5	356.8	349.4	342.0	333.9	325.8	319.1	314.4	309.0	306.3	306.3
162.5°	360.7	353.5	347.2	341.4	334.4	327.4	321.8	317.6	313.3	311.2	311.2
165°	354.0	348.7	344.0	339.9	335.2	329.8	325.1	322.4	319.1	317.7	318.4
167.5°	347.8	343.9	340.8	338.9	335.1	331.2	328.2	326.3	323.8	323.1	323.9
170°	344.0	340.6	338.6	337.3	334.6	331.2	329.8	328.5	326.5	325.8	327.2
172.5°	340.2	337.9	337.0	336.7	334.6	331.7	330.9	330.1	328.6	328.5	329.3
175°	335.9	334.6	334.6	335.2	333.9	332.5	331.8	331.8	330.5	331.2	331.8
177.5°	333.0	332.5	333.0	334.2	333.0	332.5	332.5	332.5	332.0	332.5	333.0
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1216.8	1219.2	1227.1	1232.8	1239.3	1243.0	1246.8	1249.7	1253.4	1254.3	1267.9
5°	1222.2	1233.9	1254.4	1269.6	1288.4	1308.9	1322.9	1329.4	1346.4	1360.5	1388.6
7.5°	1220.6	1245.6	1276.6	1308.6	1343.2	1375.0	1402.7	1435.5	1458.8	1493.8	1528.4
10°	1219.3	1252.7	1292.5	1333.5	1381.6	1426.1	1465.9	1510.5	1547.4	1596.0	1637.6
12.5°	1215.0	1255.5	1310.8	1359.3	1417.6	1479.0	1538.1	1595.3	1628.0	1709.0	1747.3
15°	1204.6	1252.7	1321.8	1395.6	1475.9	1548.5	1623.5	1683.3	1779.9	1850.9	1896.0
17.5°	1184.7	1252.0	1333.9	1423.1	1520.6	1616.4	1701.3	1792.1	1894.5	1980.4	2071.7
20°	1175.4	1249.1	1340.6	1439.0	1540.3	1648.7	1745.4	1854.4	1966.3	2050.6	2167.8
22.5°	1158.0	1241.6	1340.1	1449.8	1558.2	1670.3	1783.4	1893.3	2022.6	2138.8	2250.3
25°	1129.6	1223.4	1325.3	1447.8	1574.9	1687.4	1822.7	1968.7	2103.4	2252.8	2364.1
27.5°	1099.8	1199.9	1302.1	1416.0	1552.7	1686.3	1856.5	2021.4	2186.1	2315.1	2397.5
30°	1076.9	1174.1	1279.6	1394.5	1529.8	1688.6	1879.0	2058.8	2219.4	2330.1	2376.4
32.5°	1052.1	1150.7	1244.0	1364.4	1508.7	1687.1	1893.1	2080.9	2221.3	2295.0	2286.0
35°	1013.1	1095.6	1186.5	1302.4	1472.4	1676.9	1901.3	2082.8	2169.0	2153.2	2033.7
37.5°	956.7	1026.2	1115.7	1242.7	1430.2	1655.2	1884.8	2021.1	2015.5	1886.7	1713.6
40°	921.6	980.8	1067.0	1200.5	1397.4	1641.2	1859.1	1947.6	1872.6	1692.6	1485.2
42.5°	875.7	930.1	1016.3	1153.7	1361.3	1612.5	1809.8	1835.5	1688.8	1481.8	1291.7
45°	804.4	852.5	941.5	1083.3	1307.2	1550.3	1689.7	1627.0	1429.6	1215.7	1071.0
47.5°	727.9	777.8	863.5	1009.2	1228.9	1456.6	1523.1	1389.7	1187.1	1013.6	880.7
50°	679.7	727.7	811.5	958.6	1175.9	1379.8	1407.3	1235.1	1048.8	896.5	787.5
52.5°	630.9	676.1	758.5	906.0	1114.0	1290.7	1273.8	1098.2	926.9	797.0	711.5
55°	558.4	601.2	679.7	817.9	1007.2	1147.2	1085.7	918.1	776.4	675.5	610.5
57.5°	493.4	534.4	602.2	727.1	891.7	987.8	909.6	768.4	655.7	578.1	529.5
60°	449.4	485.7	550.2	666.2	809.2	882.4	805.0	680.3	585.3	523.2	479.8
62.5°	407.7	439.3	499.0	604.3	728.5	790.1	711.8	606.1	525.3	470.3	433.4
65°	344.5	373.2	425.9	508.0	609.9	650.9	583.6	498.0	435.3	394.3	369.7
67.5°	286.9	311.3	356.8	421.4	496.4	526.2	474.9	408.7	361.5	328.6	309.0
70°	248.4	269.5	305.2	360.9	428.9	451.8	403.7	349.2	314.6	288.3	270.1
72.5°	216.1	231.5	264.0	307.0	363.7	381.9	348.4	300.5	268.2	248.4	234.0
75°	164.6	177.5	198.6	233.2	272.4	283.0	257.8	227.9	206.2	192.2	181.1
77.5°	118.7	128.2	143.4	164.8	191.9	201.5	185.5	165.6	149.7	140.3	134.1
80°	89.6	97.3	110.1	127.7	144.1	149.4	140.0	124.8	113.7	108.4	103.1
82.5°	66.2	70.5	78.3	90.2	101.5	107.7	99.7	90.6	84.6	79.8	77.8
85°	33.4	35.7	39.3	43.9	51.0	53.3	50.4	48.0	44.5	41.6	41.6
87.5°	12.7	13.0	14.8	16.0	18.2	20.0	19.9	19.4	19.3	18.7	18.3
90°	2.7	4.0	6.0	7.4	8.8	10.8	12.8	14.8	16.8	16.2	16.8
92.5°	12.4	18.1	23.3	28.9	38.9	56.6	85.5	113.9	103.5	78.1	56.7
95°	24.9	32.3	43.7	61.2	87.5	144.7	245.0	355.4	399.2	323.8	242.4
97.5°	39.7	45.5	55.4	72.7	101.1	155.8	268.9	452.9	618.6	661.9	604.1
100°	50.5	55.2	64.7	80.8	107.0	154.1	253.7	430.8	637.5	770.1	793.7
102.5°	62.3	66.5	75.4	90.0	114.0	156.3	240.8	398.5	602.4	775.5	856.6
105°	80.1	84.1	92.2	105.0	125.9	162.2	231.5	358.8	541.2	734.4	875.1
107.5°	98.2	102.0	109.9	122.0	141.4	173.2	230.9	333.5	487.1	662.5	822.1
110°	111.1	114.4	121.8	133.3	152.1	182.4	233.6	323.8	456.4	617.3	771.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.0	126.3	133.7	145.2	163.4	191.6	238.9	318.4	435.9	578.0	721.3
115°	140.7	144.7	151.4	162.9	181.1	206.6	247.7	316.4	414.0	530.5	655.0
117.5°	158.2	161.5	167.7	180.6	197.3	222.7	259.3	317.6	401.1	501.8	606.9
120°	168.9	172.3	179.1	191.8	208.7	232.9	267.9	319.8	395.1	486.7	581.6
122.5°	179.2	182.5	189.9	202.1	220.0	243.7	276.0	323.5	391.4	474.3	561.7
125°	193.2	197.3	204.7	217.4	235.6	259.2	288.8	329.2	386.4	458.4	535.1
127.5°	205.0	210.0	217.6	231.7	249.9	272.6	299.3	335.6	384.0	444.4	512.0
130°	212.1	218.1	226.2	240.3	258.5	280.7	306.3	339.9	382.4	436.9	497.5
132.5°	218.0	224.5	234.3	248.4	266.0	287.7	312.7	343.2	381.8	429.9	484.0
135°	227.6	235.0	245.0	259.2	277.3	298.2	321.1	348.0	381.0	420.7	465.8
137.5°	236.5	243.8	254.6	268.5	285.4	305.5	327.3	351.3	379.5	412.8	449.3
140°	243.0	249.8	260.5	274.0	290.8	310.3	330.5	353.4	379.0	407.9	439.5
142.5°	248.9	256.2	265.9	279.4	295.1	314.1	333.7	355.0	377.9	403.6	430.4
145°	258.5	264.6	274.7	286.1	301.6	319.1	337.3	356.1	376.3	397.9	419.4
147.5°	268.2	274.1	282.8	293.9	307.1	323.1	339.4	356.1	373.8	392.2	410.4
150°	274.7	280.0	288.8	298.2	310.3	325.8	339.9	356.1	371.6	388.4	403.9
152.5°	281.1	286.5	294.2	302.5	314.1	327.4	341.0	354.5	368.9	384.1	398.0
155°	291.4	295.5	302.2	309.6	319.1	330.5	341.3	352.8	364.2	377.6	389.1
157.5°	300.3	303.6	309.5	315.8	323.1	332.3	342.0	350.4	360.0	370.4	379.6
160°	306.3	309.0	314.4	319.1	325.8	333.9	342.0	349.4	356.8	365.5	374.3
162.5°	311.2	313.3	317.6	321.8	327.4	334.4	341.4	347.2	353.5	360.7	367.8
165°	317.7	319.1	322.4	325.1	329.8	335.2	339.9	344.0	348.7	354.0	359.5
167.5°	323.1	323.8	326.3	328.2	331.2	335.1	338.9	340.8	343.9	347.8	352.1
170°	325.8	326.5	328.5	329.8	331.2	334.6	337.3	338.6	340.6	344.0	347.3
172.5°	328.5	328.6	330.1	330.9	331.7	334.6	336.7	337.0	337.9	340.2	343.0
175°	331.2	330.5	331.8	331.8	332.5	333.9	335.2	334.6	334.6	335.9	337.3
177.5°	332.5	332.0	332.5	332.5	332.5	333.0	334.2	333.0	332.5	333.0	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1272.6	1273.1	1278.2	1281.9	1280.0	1282.5	1283.3
5°	1390.3	1411.4	1422.5	1430.8	1431.3	1431.9	1436.7
7.5°	1557.3	1579.9	1596.5	1621.5	1629.0	1637.6	1635.1
10°	1679.2	1712.6	1741.3	1756.5	1773.0	1797.0	1777.6
12.5°	1793.1	1852.3	1896.0	1919.7	1935.1	1939.9	1930.4
15°	1980.9	2058.3	2099.9	2098.7	2151.5	2174.3	2138.6
17.5°	2153.2	2224.6	2281.7	2311.0	2355.0	2364.7	2360.3
20°	2258.7	2336.6	2381.1	2431.5	2454.4	2474.9	2478.4
22.5°	2349.6	2419.6	2467.4	2509.3	2528.4	2538.1	2544.0
25°	2443.2	2498.3	2527.0	2541.7	2546.9	2545.7	2538.1
27.5°	2436.8	2441.0	2409.3	2378.3	2350.5	2319.3	2308.4
30°	2373.5	2324.3	2236.4	2186.6	2113.3	2055.4	2078.8
32.5°	2207.1	2109.1	2010.4	1901.6	1811.5	1785.8	1760.1
35°	1883.7	1711.4	1610.7	1493.5	1446.6	1399.7	1367.5
37.5°	1524.0	1390.7	1271.2	1194.6	1147.5	1117.9	1102.0
40°	1317.7	1197.6	1099.2	1037.1	1001.3	967.9	963.2
42.5°	1153.1	1041.5	967.4	918.0	883.6	869.4	859.2
45°	944.5	866.5	816.7	781.6	758.7	749.9	738.2
47.5°	799.4	744.3	707.0	683.0	665.8	659.3	658.3
50°	718.3	672.6	645.1	626.3	612.9	610.5	601.2
52.5°	657.4	617.8	596.3	580.0	570.2	563.6	560.9
55°	570.7	544.3	525.0	515.6	508.0	501.5	501.5
57.5°	499.3	477.3	464.5	456.5	454.2	449.6	446.7
60°	455.2	436.5	426.5	419.5	414.8	415.4	410.1
62.5°	412.2	399.9	390.5	383.4	377.8	377.9	378.2
65°	350.9	341.6	334.6	332.2	328.7	324.6	325.8
67.5°	297.4	288.6	283.1	279.1	277.9	275.7	279.1
70°	259.0	252.5	248.4	244.9	243.7	244.4	247.3
72.5°	223.8	219.2	216.5	214.9	212.3	212.4	214.5
75°	175.7	172.3	169.9	168.2	167.6	167.6	167.6
77.5°	129.2	128.3	127.3	124.7	124.8	125.5	125.6
80°	101.9	100.2	99.6	98.4	96.7	95.5	98.4
82.5°	76.2	74.4	73.8	73.6	70.9	70.7	73.1
85°	41.0	39.3	39.9	39.3	39.3	38.7	38.7
87.5°	18.0	17.7	17.5	17.8	17.5	17.1	18.0
90°	17.5	18.2	19.5	18.9	19.5	20.2	19.5
92.5°	44.9	39.7	36.2	35.0	33.0	33.7	32.5
95°	164.3	128.5	104.4	91.5	85.5	80.8	78.1
97.5°	483.9	397.0	316.5	266.8	236.5	218.3	212.6
100°	739.1	660.4	564.7	496.8	447.6	421.4	422.1
102.5°	854.9	809.0	748.4	695.5	656.6	634.6	619.1
105°	942.4	955.2	937.7	906.7	881.1	859.6	856.3
107.5°	931.3	990.3	1014.3	1014.9	1006.3	998.9	992.7
110°	895.3	980.1	1027.3	1046.0	1051.5	1050.1	1048.8



TEST NUMBER: P332020-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	847.9	943.0	1003.5	1038.0	1054.7	1059.8	1060.1
115°	772.1	871.1	944.4	994.9	1024.5	1038.0	1041.4
117.5°	708.0	796.9	871.3	923.9	957.9	977.2	981.9
120°	672.4	753.3	821.2	874.4	912.1	928.2	932.3
122.5°	643.9	718.8	782.0	829.1	863.1	880.9	886.0
125°	608.6	673.1	727.0	770.1	799.7	816.5	821.2
127.5°	577.4	635.8	684.8	723.1	748.4	763.6	767.9
130°	558.0	612.6	658.3	694.1	718.2	732.4	737.8
132.5°	539.8	590.5	634.1	667.6	691.9	704.4	708.2
135°	513.6	557.3	595.7	628.7	648.9	661.0	665.7
137.5°	488.4	526.2	559.4	587.1	607.6	617.9	621.0
140°	473.9	506.2	535.1	560.8	579.5	590.4	589.7
142.5°	459.9	487.9	513.1	534.9	551.6	561.3	560.6
145°	441.6	463.1	482.7	499.5	513.6	519.0	520.3
147.5°	428.0	445.4	459.3	472.0	481.6	486.7	487.2
150°	419.4	433.5	446.3	456.4	463.8	467.9	467.9
152.5°	411.3	423.8	434.5	442.4	449.3	451.7	451.7
155°	399.8	409.9	418.0	424.0	429.5	430.8	431.4
157.5°	388.7	396.5	402.8	408.0	412.1	413.2	413.0
160°	381.7	388.4	393.1	397.9	401.8	401.8	401.2
162.5°	374.1	380.3	384.5	387.6	391.1	391.1	390.5
165°	363.5	368.2	371.6	374.3	376.9	376.3	376.3
167.5°	355.2	358.0	360.4	361.6	363.5	362.8	362.8
170°	349.4	352.1	353.4	354.0	355.4	354.7	354.7
172.5°	344.5	346.6	347.5	347.6	349.0	347.8	347.2
175°	337.9	339.2	339.2	339.2	339.9	339.2	338.6
177.5°	334.2	334.7	334.7	334.2	334.7	333.6	333.6
180°	332.5	332.5	332.5	332.5	332.5	332.5	332.5

(END OF REPORT)