

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: P333268-935

Luminaire Tested: **S125DIP-S1090D810U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333268-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1090D810U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6654.7 lumens  
Efficiency: N/A  
Efficacy: 122.3 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

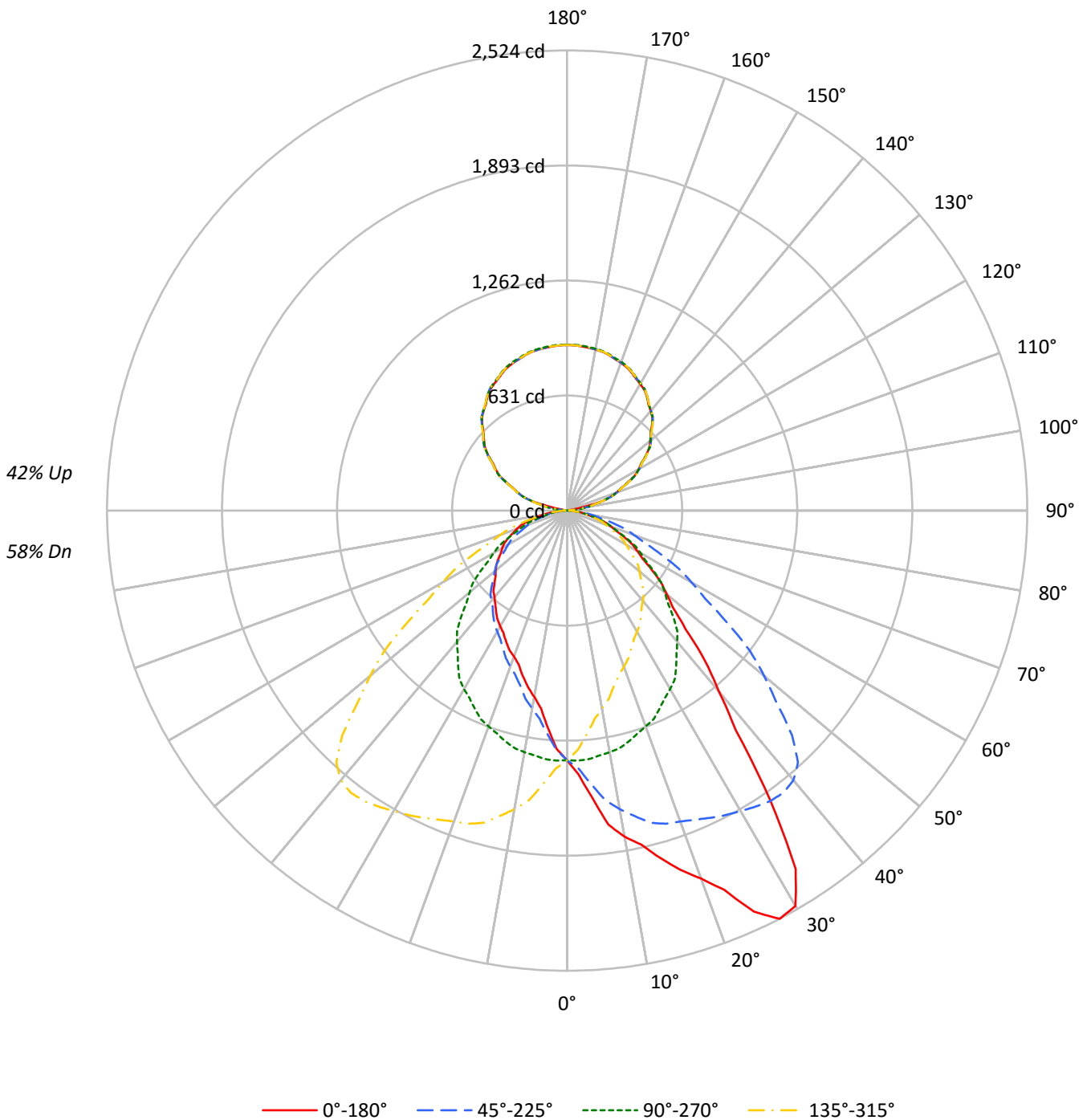
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	77	75	73	67	65	63	57	55	54	49
2	91	84	78	73	85	78	73	68	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	77	69	63	57	60	55	51	52	48	45	45	42	39	36
4	76	65	58	52	71	61	54	49	54	48	44	47	42	39	40	37	34	31
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	33	30	27
6	65	53	44	39	60	49	42	37	43	38	33	38	33	30	33	29	26	24
7	60	47	39	34	56	45	37	32	39	34	29	35	30	26	30	26	23	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	23	27	24	21	19
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

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

	0°	90°	180°	270°
0°	8843	8843	8843	8843
5°	10240	8873	7769	8873
10°	11913	8826	6807	8826
15°	13188	8762	6279	8762
20°	14762	8659	5856	8659
25°	17293	8543	5648	8543
30°	18678	8429	5469	8429
35°	15358	8215	5351	8215
40°	10916	7917	5223	7917
45°	8386	7516	5149	7516
50°	7159	7018	5138	7018
55°	6373	6531	5183	6531
60°	5749	5997	5315	5997
65°	5310	5462	5453	5462
70°	4828	4906	5531	4906
75°	4262	4319	5480	4319
80°	3585	3522	5013	3522
85°	2838	2542	4046	2542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.8	2.0
10°-20°	392.4	5.9
20°-30°	637.2	9.6
30°-40°	777.3	11.7
40°-50°	707.1	10.6
50°-60°	563.2	8.5
60°-70°	392.3	5.9
70°-80°	209.2	3.1
80°-90°	54.7	0.8
90°-100°	33.0	0.5
100°-110°	203.4	3.1
110°-120°	369.0	5.5
120°-130°	473.5	7.1
130°-140°	509.3	7.7
140°-150°	478.1	7.2
150°-160°	386.7	5.8
160°-170°	250.1	3.8
170°-180°	86.3	1.3
0°-30°	1161.5	17.5
0°-40°	1938.8	29.1
0°-60°	3209.2	48.2
0°-90°	3865.4	58.1
90°-120°	605.4	9.1
90°-150°	2066.3	31.0
90°-180°	2789.0	41.9
0°-180°	6654.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1580	1369	1198	1369	1580	159
15°	1972	1310	939	1310	1972	565
25°	2427	1199	793	1199	2427	1108
35°	1948	1042	679	1042	1948	1192
45°	918	823	564	823	918	735
55°	566	580	460	580	566	510
65°	348	357	357	357	348	345
75°	171	173	220	173	171	184
85°	38	34	55	34	38	45
90°	16	1	16	1	16	8
95°	14	38	14	38	14	12
105°	200	198	200	198	200	181
115°	369	372	369	372	369	366
125°	529	529	529	529	529	470
135°	656	659	656	659	656	507
145°	762	764	762	764	762	476
155°	836	842	836	842	836	385
165°	883	888	883	888	883	249
175°	904	908	904	908	904	86
180°	908	908	908	908	908	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1448.2	1446.3	1444.5	1440.7	1443.6	1435.6	1431.9	1425.4	1417.5	1414.7	1411.4
5°	1579.5	1582.4	1585.4	1573.1	1574.3	1566.2	1547.6	1532.4	1520.3	1504.5	1493.5
7.5°	1737.6	1730.7	1730.2	1722.3	1708.7	1697.7	1678.2	1653.3	1629.3	1601.8	1579.2
10°	1816.6	1817.2	1812.0	1802.7	1788.1	1777.7	1752.1	1727.7	1698.1	1663.2	1638.2
12.5°	1876.1	1878.5	1872.0	1859.4	1852.3	1828.9	1808.9	1779.8	1744.6	1716.7	1678.7
15°	1972.4	1966.0	1961.4	1945.6	1933.5	1909.0	1877.1	1846.8	1808.4	1773.1	1737.6
17.5°	2065.1	2070.2	2061.5	2047.2	2009.3	1980.8	1937.9	1896.6	1848.8	1801.3	1758.9
20°	2147.9	2152.5	2139.2	2114.2	2068.8	2040.4	1984.0	1930.5	1875.3	1814.3	1767.8
22.5°	2251.1	2247.4	2229.3	2191.3	2152.1	2099.4	2038.4	1973.3	1904.1	1835.2	1773.4
25°	2426.8	2402.4	2391.3	2344.3	2292.6	2215.3	2131.6	2036.3	1950.3	1859.1	1780.0
27.5°	2524.2	2516.5	2504.2	2471.4	2417.1	2334.4	2235.8	2119.6	1998.3	1883.1	1779.7
30°	2504.6	2505.9	2507.0	2496.6	2461.7	2399.5	2301.3	2176.3	2032.2	1902.6	1782.9
32.5°	2331.8	2352.9	2373.1	2397.0	2406.8	2394.9	2333.4	2220.5	2072.2	1924.9	1781.1
35°	1947.9	1954.4	2020.0	2085.1	2173.4	2242.0	2287.9	2237.9	2113.0	1943.9	1778.8
37.5°	1518.9	1550.2	1595.7	1669.2	1796.7	1910.9	2057.7	2125.2	2084.9	1950.1	1774.8
40°	1294.8	1323.8	1353.5	1428.4	1535.9	1674.2	1841.0	1983.4	2016.5	1930.5	1760.8
42.5°	1121.8	1144.9	1177.8	1234.1	1324.0	1446.5	1605.8	1791.8	1906.3	1873.8	1731.6
45°	918.2	932.7	958.3	1003.1	1068.2	1164.0	1304.7	1508.0	1685.3	1744.0	1662.1
47.5°	785.9	785.8	805.7	836.6	883.6	965.0	1069.0	1228.4	1417.7	1557.8	1551.3
50°	712.5	709.6	725.2	752.0	789.2	843.3	942.6	1069.9	1251.7	1410.4	1454.6
52.5°	649.3	649.6	659.3	679.0	710.2	756.3	830.5	945.3	1100.7	1263.5	1346.7
55°	566.0	563.7	574.7	588.1	610.8	641.0	694.5	782.2	908.3	1068.7	1176.8
57.5°	489.7	496.2	500.6	509.9	528.7	549.0	594.0	658.4	758.5	896.1	1010.4
60°	445.1	451.5	455.0	464.3	479.4	496.9	531.8	584.0	668.3	786.9	900.2
62.5°	405.2	410.2	411.3	419.7	432.0	449.0	476.4	520.4	586.9	690.6	801.6
65°	347.5	347.5	349.8	358.5	364.4	379.4	400.4	432.4	485.9	566.6	661.3
67.5°	292.0	294.7	294.2	298.0	303.3	315.1	330.1	356.5	396.1	455.0	530.8
70°	255.7	258.0	257.4	260.4	266.1	273.7	285.9	310.9	339.4	389.9	455.0
72.5°	223.2	224.1	222.6	226.4	229.9	236.5	250.1	263.5	290.1	332.8	386.2
75°	170.8	172.0	173.1	175.5	179.0	182.4	189.4	202.9	220.2	252.2	286.5
77.5°	128.1	125.9	128.6	128.3	130.3	132.9	139.1	146.2	160.5	180.7	207.2
80°	96.4	97.0	97.0	97.6	100.6	102.3	107.5	112.7	123.8	138.9	157.5
82.5°	70.4	72.0	71.0	72.1	74.5	75.8	78.7	83.0	89.4	101.3	114.7
85°	38.3	35.5	36.6	37.8	37.8	38.3	40.6	42.4	45.9	50.5	55.8
87.5°	14.4	15.2	15.6	15.5	15.9	15.8	17.5	17.3	18.6	19.8	21.4
90°	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.3	11.5	10.8	9.7
92.5°	15.1	14.9	14.6	14.5	14.2	13.8	13.0	12.3	11.5	10.8	9.8
95°	14.1	14.1	14.1	14.1	14.1	13.8	13.0	12.3	11.5	10.8	16.4
97.5°	14.1	14.1	14.1	14.1	14.1	16.3	20.5	24.7	28.9	33.1	44.3
100°	14.1	14.7	15.3	15.9	16.5	28.0	50.3	72.6	94.9	117.2	116.6
102.5°	84.7	94.9	105.0	115.2	125.4	132.6	136.8	141.0	145.3	149.5	149.1
105°	200.0	200.1	200.3	200.4	200.6	200.6	200.6	200.6	200.6	200.6	200.6
107.5°	252.1	252.5	253.0	253.5	253.9	254.1	254.1	254.1	254.0	254.0	253.7
110°	288.2	288.0	287.9	287.7	287.6	287.7	288.2	288.6	289.1	289.6	289.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	320.6	320.7	320.9	321.2	321.3	321.8	322.3	322.9	323.5	324.0	323.8
115°	369.0	369.9	370.7	371.7	372.6	373.3	373.9	374.5	375.1	375.7	375.6
117.5°	420.7	421.1	421.5	421.9	422.2	422.8	423.6	424.4	425.2	425.9	425.4
120°	452.5	453.2	454.0	454.7	455.5	456.0	456.3	456.6	456.9	457.2	456.8
122.5°	482.7	483.5	484.4	485.3	486.1	486.7	487.0	487.3	487.6	487.9	487.7
125°	528.6	529.0	529.4	529.9	530.4	530.9	531.5	532.1	532.7	533.3	533.3
127.5°	567.2	568.3	569.5	570.6	571.6	572.4	572.7	573.0	573.3	573.7	573.8
130°	595.2	596.0	596.8	597.4	598.2	598.8	599.3	599.7	600.2	600.6	600.5
132.5°	621.1	621.8	622.6	623.4	624.1	624.5	624.6	624.7	624.7	624.8	625.2
135°	656.5	657.4	658.3	659.2	660.1	660.7	661.0	661.3	661.6	661.9	662.2
137.5°	692.1	692.8	693.6	694.4	695.2	695.5	695.4	695.4	695.3	695.3	695.6
140°	713.1	713.9	714.9	715.7	716.7	717.0	716.7	716.4	716.1	715.7	715.9
142.5°	733.0	733.9	734.8	735.7	736.6	737.0	736.9	736.9	736.8	736.8	736.6
145°	762.2	763.1	764.1	764.9	765.8	766.2	766.0	765.9	765.8	765.6	765.6
147.5°	786.4	787.4	788.5	789.5	790.7	791.1	790.9	790.7	790.6	790.4	790.2
150°	801.9	803.1	804.3	805.6	806.8	807.2	806.9	806.6	806.3	806.0	805.7
152.5°	816.5	817.6	818.6	819.8	820.8	821.2	820.9	820.6	820.3	820.0	819.7
155°	835.6	836.8	838.0	839.2	840.4	840.8	840.3	839.9	839.4	839.0	838.7
157.5°	851.6	852.8	854.0	855.2	856.4	856.8	856.4	855.8	855.3	854.9	854.8
160°	861.9	863.1	864.3	865.5	866.7	866.9	866.3	865.7	865.1	864.5	864.4
162.5°	871.1	872.4	873.7	874.9	876.3	876.5	875.7	874.9	874.0	873.2	873.1
165°	883.4	884.6	885.8	887.0	888.2	888.4	887.4	886.6	885.7	884.8	884.6
167.5°	892.1	893.4	894.8	896.0	897.4	897.6	896.5	895.4	894.3	893.3	893.1
170°	896.9	898.2	899.6	901.0	902.2	902.3	901.1	899.9	898.8	897.6	897.4
172.5°	900.1	901.5	902.8	904.1	905.5	905.7	904.6	903.4	902.4	901.3	901.0
175°	904.3	905.7	907.0	908.4	909.6	909.7	908.5	907.3	906.2	905.0	904.8
177.5°	906.7	907.7	908.6	909.6	910.6	910.6	909.7	909.0	908.1	907.2	907.1
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1408.7	1405.4	1401.7	1395.2	1387.2	1383.1	1376.6	1372.4	1364.0	1357.0	1349.6
5°	1480.1	1465.1	1451.1	1433.0	1413.3	1400.5	1385.4	1368.6	1351.2	1333.1	1313.4
7.5°	1554.2	1527.4	1498.4	1467.1	1436.6	1408.4	1381.6	1355.2	1330.6	1300.8	1275.6
10°	1604.0	1570.2	1534.2	1491.8	1450.5	1414.5	1377.9	1345.9	1313.4	1278.5	1247.7
12.5°	1653.6	1608.8	1557.9	1511.3	1461.6	1418.2	1375.1	1334.3	1293.4	1254.8	1218.8
15°	1688.8	1649.2	1602.1	1535.9	1480.1	1420.3	1363.3	1310.4	1261.0	1218.1	1172.8
17.5°	1711.9	1661.0	1610.4	1546.9	1473.8	1406.8	1342.3	1281.8	1226.1	1171.6	1127.8
20°	1716.1	1663.8	1610.9	1548.7	1473.8	1397.1	1332.6	1259.9	1200.1	1143.7	1090.2
22.5°	1714.7	1655.4	1597.8	1533.9	1460.8	1390.1	1312.1	1238.0	1173.1	1117.7	1061.9
25°	1701.6	1638.2	1566.2	1501.7	1429.6	1354.6	1275.6	1198.9	1132.6	1069.3	1014.1
27.5°	1690.7	1608.4	1526.9	1451.6	1382.1	1313.4	1237.7	1159.2	1085.6	1021.5	969.5
30°	1677.1	1587.1	1495.2	1416.8	1345.3	1278.5	1207.0	1130.3	1053.6	990.8	935.0
32.5°	1665.1	1560.1	1463.2	1377.8	1302.1	1237.1	1171.2	1098.2	1022.9	959.2	903.4
35°	1641.7	1520.3	1409.3	1312.8	1232.0	1165.2	1110.0	1042.0	972.8	911.2	857.7
37.5°	1612.1	1467.9	1348.8	1247.7	1159.2	1088.7	1037.3	985.2	918.8	859.4	811.1
40°	1588.8	1430.7	1304.7	1201.2	1109.4	1036.1	988.5	939.1	883.9	828.7	777.6
42.5°	1559.5	1397.3	1260.0	1148.7	1057.7	986.4	936.4	894.5	845.8	794.3	746.8
45°	1505.7	1336.6	1187.8	1068.2	976.3	905.9	854.3	822.9	786.3	737.4	697.3
47.5°	1426.6	1263.7	1109.8	986.3	891.6	826.4	777.9	747.8	722.0	685.7	649.4
50°	1356.3	1209.4	1053.6	931.0	836.3	770.6	725.8	698.5	676.4	648.5	617.8
52.5°	1277.8	1141.0	998.2	877.0	783.3	718.5	674.7	650.7	632.2	612.3	581.9
55°	1153.0	1036.7	904.2	789.2	702.6	639.2	600.9	580.0	564.9	549.7	531.2
57.5°	1015.5	924.5	807.2	702.0	622.2	564.6	528.8	508.5	496.7	489.0	478.0
60°	918.8	840.9	739.8	643.9	566.0	514.9	480.0	464.3	454.4	448.1	439.9
62.5°	829.1	765.1	671.4	583.9	515.8	467.4	436.4	421.1	411.6	408.5	401.8
65°	696.8	647.4	570.1	497.5	439.4	398.0	372.0	357.4	351.5	348.1	348.7
67.5°	566.5	536.4	474.3	412.3	366.0	331.4	310.5	299.3	296.4	291.7	291.6
70°	487.0	464.3	412.0	358.0	316.7	290.0	271.4	259.8	256.8	254.5	254.0
72.5°	416.8	396.9	351.5	308.2	271.1	247.7	232.3	225.3	220.6	219.2	219.1
75°	313.2	302.2	266.1	231.9	206.3	190.0	179.6	173.1	169.7	169.1	169.7
77.5°	222.7	213.0	190.1	165.8	149.7	137.4	128.5	126.3	122.3	122.5	121.9
80°	167.4	161.0	146.5	127.3	113.9	103.4	98.8	94.7	93.6	91.8	93.6
82.5°	121.3	114.5	104.6	92.4	81.4	75.1	70.4	69.1	68.4	67.7	68.0
85°	59.8	60.4	54.6	45.3	40.6	37.2	34.3	34.3	33.7	33.1	33.7
87.5°	22.2	21.1	18.9	17.4	14.8	13.2	12.5	12.7	11.5	11.3	12.0
90°	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7	1.9	3.1	4.3
92.5°	9.0	8.0	7.1	7.1	7.8	8.7	9.6	10.3	9.6	8.7	7.8
95°	22.1	27.8	33.5	36.6	37.0	37.5	38.0	38.4	38.0	37.5	37.0
97.5°	55.6	66.9	78.2	83.3	82.6	81.7	80.9	80.2	80.9	81.7	82.6
100°	116.0	115.4	114.8	114.3	113.8	113.3	112.9	112.4	112.9	113.3	113.8
102.5°	148.8	148.4	148.0	147.6	147.0	146.5	145.9	145.3	145.9	146.5	147.0
105°	200.6	200.6	200.6	200.4	199.8	199.1	198.5	197.9	198.5	199.1	199.8
107.5°	253.4	253.0	252.8	252.6	252.6	252.6	252.6	252.6	252.6	252.6	252.6
110°	289.0	288.6	288.3	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2





TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	323.6	323.5	323.3	323.0	322.7	322.3	321.9	321.6	321.9	322.3	322.7
115°	375.4	375.3	375.1	374.7	373.9	373.2	372.5	371.7	372.5	373.2	373.9
117.5°	424.8	424.2	423.7	423.4	423.4	423.4	423.5	423.5	423.5	423.4	423.4
120°	456.3	455.8	455.4	455.2	455.4	455.6	455.7	455.8	455.7	455.6	455.4
122.5°	487.5	487.2	487.1	486.6	486.1	485.5	485.0	484.4	485.0	485.5	486.1
125°	533.3	533.3	533.3	532.8	531.8	530.6	529.6	528.6	529.6	530.6	531.8
127.5°	573.9	573.9	574.0	573.7	573.0	572.2	571.4	570.8	571.4	572.2	573.0
130°	600.3	600.2	600.0	599.6	598.8	598.1	597.4	596.6	597.4	598.1	598.8
132.5°	625.5	625.9	626.2	625.9	625.0	624.1	623.3	622.4	623.3	624.1	625.0
135°	662.5	662.8	663.1	662.8	661.9	661.0	660.1	659.2	660.1	661.0	661.9
137.5°	695.9	696.1	696.4	696.1	695.3	694.6	693.8	693.0	693.8	694.6	695.3
140°	716.1	716.2	716.4	716.3	716.0	715.7	715.4	715.1	715.4	715.7	716.0
142.5°	736.3	736.2	735.9	735.7	735.6	735.4	735.2	735.0	735.2	735.4	735.6
145°	765.6	765.6	765.6	765.4	765.2	764.8	764.6	764.2	764.6	764.8	765.2
147.5°	790.0	789.8	789.6	789.6	789.6	789.7	789.8	789.8	789.8	789.7	789.6
150°	805.4	805.1	804.8	804.8	805.1	805.4	805.7	806.0	805.7	805.4	805.1
152.5°	819.4	819.1	818.8	819.0	819.7	820.3	821.0	821.7	821.0	820.3	819.7
155°	838.4	838.1	837.8	838.1	839.0	839.9	840.8	841.7	840.8	839.9	839.0
157.5°	854.8	854.8	854.7	855.0	855.6	856.1	856.6	857.1	856.6	856.1	855.6
160°	864.3	864.1	864.0	864.4	865.2	866.2	867.0	868.0	867.0	866.2	865.2
162.5°	872.9	872.7	872.6	873.0	873.8	874.8	875.6	876.6	875.6	874.8	873.8
165°	884.5	884.3	884.2	884.5	885.5	886.3	887.3	888.1	887.3	886.3	885.5
167.5°	892.9	892.8	892.7	893.0	894.0	894.9	895.9	896.7	895.9	894.9	894.0
170°	897.2	897.1	897.0	897.4	898.5	899.5	900.5	901.6	900.5	899.5	898.5
172.5°	900.8	900.5	900.3	900.6	901.7	902.8	903.8	904.8	903.8	902.8	901.7
175°	904.7	904.5	904.4	904.7	905.7	906.5	907.4	908.4	907.4	906.5	905.7
177.5°	907.0	906.9	906.8	907.1	907.8	908.5	909.2	910.0	909.2	908.5	907.8
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1345.4	1340.3	1336.1	1326.8	1321.7	1314.7	1309.2	1315.2	1308.7	1311.5	1307.3
5°	1303.5	1287.2	1275.6	1258.7	1244.2	1230.8	1221.0	1219.2	1214.5	1212.2	1205.2
7.5°	1253.0	1232.7	1212.7	1190.6	1172.0	1153.1	1141.0	1131.0	1124.4	1115.7	1109.7
10°	1223.3	1195.9	1172.8	1146.0	1122.7	1102.4	1086.2	1078.0	1070.5	1059.4	1055.3
12.5°	1186.5	1158.3	1130.0	1101.4	1079.0	1056.4	1042.4	1030.1	1024.8	1012.4	1011.2
15°	1142.5	1100.1	1072.2	1043.1	1012.4	993.8	982.1	968.7	962.9	954.2	947.8
17.5°	1089.9	1052.1	1017.2	987.1	960.7	945.0	930.7	921.4	911.5	905.8	895.3
20°	1051.9	1015.8	980.9	949.0	928.7	910.6	899.0	890.3	879.9	876.9	866.5
22.5°	1019.8	980.0	946.6	919.7	897.5	877.2	864.6	858.7	851.4	842.5	840.4
25°	967.6	926.3	897.9	871.2	851.4	832.8	824.1	816.5	809.5	803.1	800.8
27.5°	922.5	885.6	851.8	827.7	810.5	793.5	785.8	776.6	771.5	766.4	760.1
30°	890.9	853.1	823.5	800.2	781.6	766.5	758.4	752.0	747.3	742.7	739.2
32.5°	858.3	823.4	794.6	771.9	753.3	741.8	734.7	730.1	725.0	719.5	715.1
35°	815.4	777.0	749.1	729.4	714.8	706.1	697.9	693.9	688.0	688.0	683.4
37.5°	766.9	733.7	709.1	691.1	678.0	670.3	661.4	658.7	655.0	652.5	650.8
40°	738.0	707.2	684.0	666.0	652.0	645.7	638.7	634.0	631.7	628.8	627.6
42.5°	708.3	678.9	656.6	640.0	627.8	622.4	615.9	612.6	608.0	604.2	603.5
45°	663.1	634.6	614.2	600.9	590.4	584.0	580.0	573.0	570.7	566.0	565.4
47.5°	620.2	592.9	572.9	562.0	552.8	547.5	541.1	534.2	531.5	529.2	528.9
50°	588.1	563.1	544.5	534.1	525.4	517.8	511.4	506.8	505.0	505.0	506.2
52.5°	555.6	534.3	518.5	505.7	497.5	489.4	483.5	480.7	478.0	480.9	482.9
55°	507.9	486.4	474.8	462.6	454.4	445.1	442.2	441.1	439.4	444.0	446.3
57.5°	457.4	442.4	428.8	416.6	409.3	404.0	400.0	399.3	402.6	404.8	412.3
60°	425.4	407.9	395.7	386.4	377.7	374.3	373.1	372.0	374.3	380.6	390.5
62.5°	390.0	375.9	362.7	355.8	349.4	343.5	343.4	344.1	348.7	356.0	365.8
65°	338.2	326.0	317.3	309.2	303.9	300.4	301.6	303.9	309.2	319.0	330.1
67.5°	285.6	277.2	269.4	262.8	257.8	257.8	259.0	262.4	268.6	280.0	290.1
70°	251.7	242.4	235.9	233.1	228.9	226.6	230.1	235.9	241.2	251.7	260.4
72.5°	217.7	209.8	204.8	202.9	201.0	199.2	200.4	206.6	213.7	224.2	234.3
75°	167.4	164.5	161.0	158.7	156.9	158.1	159.2	165.1	170.8	181.9	193.6
77.5°	122.2	119.2	117.0	116.5	115.5	116.1	119.3	123.6	129.3	137.4	146.2
80°	92.4	91.3	90.1	89.5	89.5	90.1	94.7	97.6	102.9	110.4	117.4
82.5°	67.3	66.6	66.4	66.2	66.7	66.8	69.7	73.4	77.7	83.4	89.5
85°	35.5	34.3	36.0	36.6	35.5	37.2	38.3	40.6	42.4	45.3	48.2
87.5°	12.7	13.9	13.6	14.3	14.5	15.7	15.3	17.3	18.4	19.5	19.1
90°	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.3	13.0	13.8	14.4
92.5°	7.1	7.1	8.0	9.0	9.8	10.8	11.5	12.3	13.0	13.8	14.2
95°	36.6	33.5	27.8	22.1	16.4	10.8	11.5	12.3	13.0	13.8	14.1
97.5°	83.3	78.2	66.9	55.6	44.3	33.1	28.9	24.7	20.5	16.3	14.1
100°	114.3	114.8	115.4	116.0	116.6	117.2	94.9	72.6	50.3	28.0	16.5
102.5°	147.6	148.0	148.4	148.8	149.1	149.5	145.3	141.0	136.8	132.6	125.4
105°	200.4	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
107.5°	252.6	252.8	253.0	253.4	253.7	254.0	254.0	254.1	254.1	254.1	253.9
110°	288.2	288.3	288.6	289.0	289.2	289.6	289.1	288.6	288.2	287.7	287.6



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	323.0	323.3	323.5	323.6	323.8	324.0	323.5	322.9	322.3	321.8	321.3
115°	374.7	375.1	375.3	375.4	375.6	375.7	375.1	374.5	373.9	373.3	372.6
117.5°	423.4	423.7	424.2	424.8	425.4	425.9	425.2	424.4	423.6	422.8	422.2
120°	455.2	455.4	455.8	456.3	456.8	457.2	456.9	456.6	456.3	456.0	455.5
122.5°	486.6	487.1	487.2	487.5	487.7	487.9	487.6	487.3	487.0	486.7	486.1
125°	532.8	533.3	533.3	533.3	533.3	533.3	532.7	532.1	531.5	530.9	530.4
127.5°	573.7	574.0	573.9	573.9	573.8	573.7	573.3	573.0	572.7	572.4	571.6
130°	599.6	600.0	600.2	600.3	600.5	600.6	600.2	599.7	599.3	598.8	598.2
132.5°	625.9	626.2	625.9	625.5	625.2	624.8	624.7	624.7	624.6	624.5	624.1
135°	662.8	663.1	662.8	662.5	662.2	661.9	661.6	661.3	661.0	660.7	660.1
137.5°	696.1	696.4	696.1	695.9	695.6	695.3	695.3	695.4	695.4	695.5	695.2
140°	716.3	716.4	716.2	716.1	715.9	715.7	716.1	716.4	716.7	717.0	716.7
142.5°	735.7	735.9	736.2	736.3	736.6	736.8	736.8	736.9	736.9	737.0	736.6
145°	765.4	765.6	765.6	765.6	765.6	765.6	765.8	765.9	766.0	766.2	765.8
147.5°	789.6	789.6	789.8	790.0	790.2	790.4	790.6	790.7	790.9	791.1	790.7
150°	804.8	804.8	805.1	805.4	805.7	806.0	806.3	806.6	806.9	807.2	806.8
152.5°	819.0	818.8	819.1	819.4	819.7	820.0	820.3	820.6	820.9	821.2	820.8
155°	838.1	837.8	838.1	838.4	838.7	839.0	839.4	839.9	840.3	840.8	840.4
157.5°	855.0	854.7	854.8	854.8	854.8	854.9	855.3	855.8	856.4	856.8	856.4
160°	864.4	864.0	864.1	864.3	864.4	864.5	865.1	865.7	866.3	866.9	866.7
162.5°	873.0	872.6	872.7	872.9	873.1	873.2	874.0	874.9	875.7	876.5	876.3
165°	884.5	884.2	884.3	884.5	884.6	884.8	885.7	886.6	887.4	888.4	888.2
167.5°	893.0	892.7	892.8	892.9	893.1	893.3	894.3	895.4	896.5	897.6	897.4
170°	897.4	897.0	897.1	897.2	897.4	897.6	898.8	899.9	901.1	902.3	902.2
172.5°	900.6	900.3	900.5	900.8	901.0	901.3	902.4	903.4	904.6	905.7	905.5
175°	904.7	904.4	904.5	904.7	904.8	905.0	906.2	907.3	908.5	909.7	909.6
177.5°	907.1	906.8	906.9	907.0	907.1	907.2	908.1	909.0	909.7	910.6	910.6
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1304.5	1307.8	1305.0	1308.7	1305.0	1307.8	1304.5	1307.3	1311.5	1308.7	1315.2
5°	1202.4	1197.1	1200.6	1198.3	1200.6	1197.1	1202.4	1205.2	1212.2	1214.5	1219.2
7.5°	1108.0	1103.0	1097.3	1094.6	1097.3	1103.0	1108.0	1109.7	1115.7	1124.4	1131.0
10°	1049.0	1042.6	1042.0	1037.9	1042.0	1042.6	1049.0	1055.3	1059.4	1070.5	1078.0
12.5°	1005.7	999.8	993.2	991.4	993.2	999.8	1005.7	1011.2	1012.4	1024.8	1030.1
15°	944.3	939.7	935.6	939.1	935.6	939.7	944.3	947.8	954.2	962.9	968.7
17.5°	893.3	889.5	888.8	884.5	888.8	889.5	893.3	895.3	905.8	911.5	921.4
20°	861.3	858.3	859.5	852.0	859.5	858.3	861.3	866.5	876.9	879.9	890.3
22.5°	835.7	830.0	829.3	827.8	829.3	830.0	835.7	840.4	842.5	851.4	858.7
25°	795.6	792.6	789.8	792.6	789.8	792.6	795.6	800.8	803.1	809.5	816.5
27.5°	760.6	757.1	756.3	756.6	756.3	757.1	760.6	760.1	766.4	771.5	776.6
30°	739.2	733.4	734.0	733.4	734.0	733.4	739.2	739.2	742.7	747.3	752.0
32.5°	715.9	712.0	711.2	710.2	711.2	712.0	715.9	715.1	719.5	725.0	730.1
35°	681.7	681.7	678.7	678.7	678.7	681.7	681.7	683.4	688.0	688.0	693.9
37.5°	649.5	648.8	647.1	647.4	647.1	648.8	649.5	650.8	652.5	655.0	658.7
40°	625.3	624.7	622.9	619.5	622.9	624.7	625.3	627.6	628.8	631.7	634.0
42.5°	602.0	600.1	599.3	598.1	599.3	600.1	602.0	603.5	604.2	608.0	612.6
45°	565.4	565.4	564.3	563.7	564.3	565.4	565.4	565.4	566.0	570.7	573.0
47.5°	529.9	530.9	533.1	532.8	533.1	530.9	529.9	528.9	529.2	531.5	534.2
50°	508.5	509.1	510.8	511.4	510.8	509.1	508.5	506.2	505.0	505.0	506.8
52.5°	484.7	488.2	490.3	490.0	490.3	488.2	484.7	482.9	480.9	478.0	480.7
55°	451.5	455.6	459.7	460.3	459.7	455.6	451.5	446.3	444.0	439.4	441.1
57.5°	418.6	424.3	428.6	430.1	428.6	424.3	418.6	412.3	404.8	402.6	399.3
60°	396.3	403.9	409.1	411.5	409.1	403.9	396.3	390.5	380.6	374.3	372.0
62.5°	375.0	383.4	388.7	389.1	388.7	383.4	375.0	365.8	356.0	348.7	344.1
65°	339.9	348.7	353.4	356.8	353.4	348.7	339.9	330.1	319.0	309.2	303.9
67.5°	302.3	311.0	316.2	318.9	316.2	311.0	302.3	290.1	280.0	268.6	262.4
70°	274.9	283.6	290.6	292.9	290.6	283.6	274.9	260.4	251.7	241.2	235.9
72.5°	247.9	255.7	261.3	264.1	261.3	255.7	247.9	234.3	224.2	213.7	206.6
75°	201.0	211.5	216.8	219.6	216.8	211.5	201.0	193.6	181.9	170.8	165.1
77.5°	155.1	164.5	167.7	169.2	167.7	164.5	155.1	146.2	137.4	129.3	123.6
80°	124.3	130.2	134.2	134.8	134.2	130.2	124.3	117.4	110.4	102.9	97.6
82.5°	95.6	100.4	101.7	103.2	101.7	100.4	95.6	89.5	83.4	77.7	73.4
85°	52.3	54.6	55.2	54.6	55.2	54.6	52.3	48.2	45.3	42.4	40.6
87.5°	20.1	19.8	19.9	20.9	19.9	19.8	20.1	19.1	19.5	18.4	17.3
90°	14.8	15.2	15.7	16.2	15.7	15.2	14.8	14.4	13.8	13.0	12.3
92.5°	14.5	14.6	14.9	15.1	14.9	14.6	14.5	14.2	13.8	13.0	12.3
95°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	13.8	13.0	12.3
97.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	16.3	20.5	24.7
100°	15.9	15.3	14.7	14.1	14.7	15.3	15.9	16.5	28.0	50.3	72.6
102.5°	115.2	105.0	94.9	84.7	94.9	105.0	115.2	125.4	132.6	136.8	141.0
105°	200.4	200.3	200.1	200.0	200.1	200.3	200.4	200.6	200.6	200.6	200.6
107.5°	253.5	253.0	252.5	252.1	252.5	253.0	253.5	253.9	254.1	254.1	254.1
110°	287.7	287.9	288.0	288.2	288.0	287.9	287.7	287.6	287.7	288.2	288.6



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	321.2	320.9	320.7	320.6	320.7	320.9	321.2	321.3	321.8	322.3	322.9
115°	371.7	370.7	369.9	369.0	369.9	370.7	371.7	372.6	373.3	373.9	374.5
117.5°	421.9	421.5	421.1	420.7	421.1	421.5	421.9	422.2	422.8	423.6	424.4
120°	454.7	454.0	453.2	452.5	453.2	454.0	454.7	455.5	456.0	456.3	456.6
122.5°	485.3	484.4	483.5	482.7	483.5	484.4	485.3	486.1	486.7	487.0	487.3
125°	529.9	529.4	529.0	528.6	529.0	529.4	529.9	530.4	530.9	531.5	532.1
127.5°	570.6	569.5	568.3	567.2	568.3	569.5	570.6	571.6	572.4	572.7	573.0
130°	597.4	596.8	596.0	595.2	596.0	596.8	597.4	598.2	598.8	599.3	599.7
132.5°	623.4	622.6	621.8	621.1	621.8	622.6	623.4	624.1	624.5	624.6	624.7
135°	659.2	658.3	657.4	656.5	657.4	658.3	659.2	660.1	660.7	661.0	661.3
137.5°	694.4	693.6	692.8	692.1	692.8	693.6	694.4	695.2	695.5	695.4	695.4
140°	715.7	714.9	713.9	713.1	713.9	714.9	715.7	716.7	717.0	716.7	716.4
142.5°	735.7	734.8	733.9	733.0	733.9	734.8	735.7	736.6	737.0	736.9	736.9
145°	764.9	764.1	763.1	762.2	763.1	764.1	764.9	765.8	766.2	766.0	765.9
147.5°	789.5	788.5	787.4	786.4	787.4	788.5	789.5	790.7	791.1	790.9	790.7
150°	805.6	804.3	803.1	801.9	803.1	804.3	805.6	806.8	807.2	806.9	806.6
152.5°	819.8	818.6	817.6	816.5	817.6	818.6	819.8	820.8	821.2	820.9	820.6
155°	839.2	838.0	836.8	835.6	836.8	838.0	839.2	840.4	840.8	840.3	839.9
157.5°	855.2	854.0	852.8	851.6	852.8	854.0	855.2	856.4	856.8	856.4	855.8
160°	865.5	864.3	863.1	861.9	863.1	864.3	865.5	866.7	866.9	866.3	865.7
162.5°	874.9	873.7	872.4	871.1	872.4	873.7	874.9	876.3	876.5	875.7	874.9
165°	887.0	885.8	884.6	883.4	884.6	885.8	887.0	888.2	888.4	887.4	886.6
167.5°	896.0	894.8	893.4	892.1	893.4	894.8	896.0	897.4	897.6	896.5	895.4
170°	901.0	899.6	898.2	896.9	898.2	899.6	901.0	902.2	902.3	901.1	899.9
172.5°	904.1	902.8	901.5	900.1	901.5	902.8	904.1	905.5	905.7	904.6	903.4
175°	908.4	907.0	905.7	904.3	905.7	907.0	908.4	909.6	909.7	908.5	907.3
177.5°	909.6	908.6	907.7	906.7	907.7	908.6	909.6	910.6	910.6	909.7	909.0
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1309.2	1314.7	1321.7	1326.8	1336.1	1340.3	1345.4	1349.6	1357.0	1364.0	1372.4
5°	1221.0	1230.8	1244.2	1258.7	1275.6	1287.2	1303.5	1313.4	1333.1	1351.2	1368.6
7.5°	1141.0	1153.1	1172.0	1190.6	1212.7	1232.7	1253.0	1275.6	1300.8	1330.6	1355.2
10°	1086.2	1102.4	1122.7	1146.0	1172.8	1195.9	1223.3	1247.7	1278.5	1313.4	1345.9
12.5°	1042.4	1056.4	1079.0	1101.4	1130.0	1158.3	1186.5	1218.8	1254.8	1293.4	1334.3
15°	982.1	993.8	1012.4	1043.1	1072.2	1100.1	1142.5	1172.8	1218.1	1261.0	1310.4
17.5°	930.7	945.0	960.7	987.1	1017.2	1052.1	1089.9	1127.8	1171.6	1226.1	1281.8
20°	899.0	910.6	928.7	949.0	980.9	1015.8	1051.9	1090.2	1143.7	1200.1	1259.9
22.5°	864.6	877.2	897.5	919.7	946.6	980.0	1019.8	1061.9	1117.7	1173.1	1238.0
25°	824.1	832.8	851.4	871.2	897.9	926.3	967.6	1014.1	1069.3	1132.6	1198.9
27.5°	785.8	793.5	810.5	827.7	851.8	885.6	922.5	969.5	1021.5	1085.6	1159.2
30°	758.4	766.5	781.6	800.2	823.5	853.1	890.9	935.0	990.8	1053.6	1130.3
32.5°	734.7	741.8	753.3	771.9	794.6	823.4	858.3	903.4	959.2	1022.9	1098.2
35°	697.9	706.1	714.8	729.4	749.1	777.0	815.4	857.7	911.2	972.8	1042.0
37.5°	661.4	670.3	678.0	691.1	709.1	733.7	766.9	811.1	859.4	918.8	985.2
40°	638.7	645.7	652.0	666.0	684.0	707.2	738.0	777.6	828.7	883.9	939.1
42.5°	615.9	622.4	627.8	640.0	656.6	678.9	708.3	746.8	794.3	845.8	894.5
45°	580.0	584.0	590.4	600.9	614.2	634.6	663.1	697.3	737.4	786.3	822.9
47.5°	541.1	547.5	552.8	562.0	572.9	592.9	620.2	649.4	685.7	722.0	747.8
50°	511.4	517.8	525.4	534.1	544.5	563.1	588.1	617.8	648.5	676.4	698.5
52.5°	483.5	489.4	497.5	505.7	518.5	534.3	555.6	581.9	612.3	632.2	650.7
55°	442.2	445.1	454.4	462.6	474.8	486.4	507.9	531.2	549.7	564.9	580.0
57.5°	400.0	404.0	409.3	416.6	428.8	442.4	457.4	478.0	489.0	496.7	508.5
60°	373.1	374.3	377.7	386.4	395.7	407.9	425.4	439.9	448.1	454.4	464.3
62.5°	343.4	343.5	349.4	355.8	362.7	375.9	390.0	401.8	408.5	411.6	421.1
65°	301.6	300.4	303.9	309.2	317.3	326.0	338.2	348.7	348.1	351.5	357.4
67.5°	259.0	257.8	257.8	262.8	269.4	277.2	285.6	291.6	291.7	296.4	299.3
70°	230.1	226.6	228.9	233.1	235.9	242.4	251.7	254.0	254.5	256.8	259.8
72.5°	200.4	199.2	201.0	202.9	204.8	209.8	217.7	219.1	219.2	220.6	225.3
75°	159.2	158.1	156.9	158.7	161.0	164.5	167.4	169.7	169.1	169.7	173.1
77.5°	119.3	116.1	115.5	116.5	117.0	119.2	122.2	121.9	122.5	122.3	126.3
80°	94.7	90.1	89.5	89.5	90.1	91.3	92.4	93.6	91.8	93.6	94.7
82.5°	69.7	66.8	66.7	66.2	66.4	66.6	67.3	68.0	67.7	68.4	69.1
85°	38.3	37.2	35.5	36.6	36.0	34.3	35.5	33.7	33.1	33.7	34.3
87.5°	15.3	15.7	14.5	14.3	13.6	13.9	12.7	12.0	11.3	11.5	12.7
90°	11.5	10.8	9.7	8.7	7.7	6.5	5.4	4.3	3.1	1.9	0.7
92.5°	11.5	10.8	9.8	9.0	8.0	7.1	7.1	7.8	8.7	9.6	10.3
95°	11.5	10.8	16.4	22.1	27.8	33.5	36.6	37.0	37.5	38.0	38.4
97.5°	28.9	33.1	44.3	55.6	66.9	78.2	83.3	82.6	81.7	80.9	80.2
100°	94.9	117.2	116.6	116.0	115.4	114.8	114.3	113.8	113.3	112.9	112.4
102.5°	145.3	149.5	149.1	148.8	148.4	148.0	147.6	147.0	146.5	145.9	145.3
105°	200.6	200.6	200.6	200.6	200.6	200.6	200.4	199.8	199.1	198.5	197.9
107.5°	254.0	254.0	253.7	253.4	253.0	252.8	252.6	252.6	252.6	252.6	252.6
110°	289.1	289.6	289.2	289.0	288.6	288.3	288.2	288.2	288.2	288.2	288.2



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	323.5	324.0	323.8	323.6	323.5	323.3	323.0	322.7	322.3	321.9	321.6
115°	375.1	375.7	375.6	375.4	375.3	375.1	374.7	373.9	373.2	372.5	371.7
117.5°	425.2	425.9	425.4	424.8	424.2	423.7	423.4	423.4	423.4	423.5	423.5
120°	456.9	457.2	456.8	456.3	455.8	455.4	455.2	455.4	455.6	455.7	455.8
122.5°	487.6	487.9	487.7	487.5	487.2	487.1	486.6	486.1	485.5	485.0	484.4
125°	532.7	533.3	533.3	533.3	533.3	533.3	532.8	531.8	530.6	529.6	528.6
127.5°	573.3	573.7	573.8	573.9	573.9	574.0	573.7	573.0	572.2	571.4	570.8
130°	600.2	600.6	600.5	600.3	600.2	600.0	599.6	598.8	598.1	597.4	596.6
132.5°	624.7	624.8	625.2	625.5	625.9	626.2	625.9	625.0	624.1	623.3	622.4
135°	661.6	661.9	662.2	662.5	662.8	663.1	662.8	661.9	661.0	660.1	659.2
137.5°	695.3	695.3	695.6	695.9	696.1	696.4	696.1	695.3	694.6	693.8	693.0
140°	716.1	715.7	715.9	716.1	716.2	716.4	716.3	716.0	715.7	715.4	715.1
142.5°	736.8	736.8	736.6	736.3	736.2	735.9	735.7	735.6	735.4	735.2	735.0
145°	765.8	765.6	765.6	765.6	765.6	765.6	765.4	765.2	764.8	764.6	764.2
147.5°	790.6	790.4	790.2	790.0	789.8	789.6	789.6	789.6	789.7	789.8	789.8
150°	806.3	806.0	805.7	805.4	805.1	804.8	804.8	805.1	805.4	805.7	806.0
152.5°	820.3	820.0	819.7	819.4	819.1	818.8	819.0	819.7	820.3	821.0	821.7
155°	839.4	839.0	838.7	838.4	838.1	837.8	838.1	839.0	839.9	840.8	841.7
157.5°	855.3	854.9	854.8	854.8	854.8	854.7	855.0	855.6	856.1	856.6	857.1
160°	865.1	864.5	864.4	864.3	864.1	864.0	864.4	865.2	866.2	867.0	868.0
162.5°	874.0	873.2	873.1	872.9	872.7	872.6	873.0	873.8	874.8	875.6	876.6
165°	885.7	884.8	884.6	884.5	884.3	884.2	884.5	885.5	886.3	887.3	888.1
167.5°	894.3	893.3	893.1	892.9	892.8	892.7	893.0	894.0	894.9	895.9	896.7
170°	898.8	897.6	897.4	897.2	897.1	897.0	897.4	898.5	899.5	900.5	901.6
172.5°	902.4	901.3	901.0	900.8	900.5	900.3	900.6	901.7	902.8	903.8	904.8
175°	906.2	905.0	904.8	904.7	904.5	904.4	904.7	905.7	906.5	907.4	908.4
177.5°	908.1	907.2	907.1	907.0	906.9	906.8	907.1	907.8	908.5	909.2	910.0
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P333268-935

CATALOG NUMBER: S125DIP-S1090D810U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1376.6	1383.1	1387.2	1395.2	1401.7	1405.4	1408.7	1411.4	1414.7	1417.5	1425.4
5°	1385.4	1400.5	1413.3	1433.0	1451.1	1465.1	1480.1	1493.5	1504.5	1520.3	1532.4
7.5°	1381.6	1408.4	1436.6	1467.1	1498.4	1527.4	1554.2	1579.2	1601.8	1629.3	1653.3
10°	1377.9	1414.5	1450.5	1491.8	1534.2	1570.2	1604.0	1638.2	1663.2	1698.1	1727.7
12.5°	1375.1	1418.2	1461.6	1511.3	1557.9	1608.8	1653.6	1678.7	1716.7	1744.6	1779.8
15°	1363.3	1420.3	1480.1	1535.9	1602.1	1649.2	1688.8	1737.6	1773.1	1808.4	1846.8
17.5°	1342.3	1406.8	1473.8	1546.9	1610.4	1661.0	1711.9	1758.9	1801.3	1848.8	1896.6
20°	1332.6	1397.1	1473.8	1548.7	1610.9	1663.8	1716.1	1767.8	1814.3	1875.3	1930.5
22.5°	1312.1	1390.1	1460.8	1533.9	1597.8	1655.4	1714.7	1773.4	1835.2	1904.1	1973.3
25°	1275.6	1354.6	1429.6	1501.7	1566.2	1638.2	1701.6	1780.0	1859.1	1950.3	2036.3
27.5°	1237.7	1313.4	1382.1	1451.6	1526.9	1608.4	1690.7	1779.7	1883.1	1998.3	2119.6
30°	1207.0	1278.5	1345.3	1416.8	1495.2	1587.1	1677.1	1782.9	1902.6	2032.2	2176.3
32.5°	1171.2	1237.1	1302.1	1377.8	1463.2	1560.1	1665.1	1781.1	1924.9	2072.2	2220.5
35°	1110.0	1165.2	1232.0	1312.8	1409.3	1520.3	1641.7	1778.8	1943.9	2113.0	2237.9
37.5°	1037.3	1088.7	1159.2	1247.7	1348.8	1467.9	1612.1	1774.8	1950.1	2084.9	2125.2
40°	988.5	1036.1	1109.4	1201.2	1304.7	1430.7	1588.8	1760.8	1930.5	2016.5	1983.4
42.5°	936.4	986.4	1057.7	1148.7	1260.0	1397.3	1559.5	1731.6	1873.8	1906.3	1791.8
45°	854.3	905.9	976.3	1068.2	1187.8	1336.6	1505.7	1662.1	1744.0	1685.3	1508.0
47.5°	777.9	826.4	891.6	986.3	1109.8	1263.7	1426.6	1551.3	1557.8	1417.7	1228.4
50°	725.8	770.6	836.3	931.0	1053.6	1209.4	1356.3	1454.6	1410.4	1251.7	1069.9
52.5°	674.7	718.5	783.3	877.0	998.2	1141.0	1277.8	1346.7	1263.5	1100.7	945.3
55°	600.9	639.2	702.6	789.2	904.2	1036.7	1153.0	1176.8	1068.7	908.3	782.2
57.5°	528.8	564.6	622.2	702.0	807.2	924.5	1015.5	1010.4	896.1	758.5	658.4
60°	480.0	514.9	566.0	643.9	739.8	840.9	918.8	900.2	786.9	668.3	584.0
62.5°	436.4	467.4	515.8	583.9	671.4	765.1	829.1	801.6	690.6	586.9	520.4
65°	372.0	398.0	439.4	497.5	570.1	647.4	696.8	661.3	566.6	485.9	432.4
67.5°	310.5	331.4	366.0	412.3	474.3	536.4	566.5	530.8	455.0	396.1	356.5
70°	271.4	290.0	316.7	358.0	412.0	464.3	487.0	455.0	389.9	339.4	310.9
72.5°	232.3	247.7	271.1	308.2	351.5	396.9	416.8	386.2	332.8	290.1	263.5
75°	179.6	190.0	206.3	231.9	266.1	302.2	313.2	286.5	252.2	220.2	202.9
77.5°	128.5	137.4	149.7	165.8	190.1	213.0	222.7	207.2	180.7	160.5	146.2
80°	98.8	103.4	113.9	127.3	146.5	161.0	167.4	157.5	138.9	123.8	112.7
82.5°	70.4	75.1	81.4	92.4	104.6	114.5	121.3	114.7	101.3	89.4	83.0
85°	34.3	37.2	40.6	45.3	54.6	60.4	59.8	55.8	50.5	45.9	42.4
87.5°	12.5	13.2	14.8	17.4	18.9	21.1	22.2	21.4	19.8	18.6	17.3
90°	1.9	3.1	4.3	5.4	6.5	7.7	8.7	9.7	10.8	11.5	12.3
92.5°	9.6	8.7	7.8	7.1	7.1	8.0	9.0	9.8	10.8	11.5	12.3
95°	38.0	37.5	37.0	36.6	33.5	27.8	22.1	16.4	10.8	11.5	12.3
97.5°	80.9	81.7	82.6	83.3	78.2	66.9	55.6	44.3	33.1	28.9	24.7
100°	112.9	113.3	113.8	114.3	114.8	115.4	116.0	116.6	117.2	94.9	72.6
102.5°	145.9	146.5	147.0	147.6	148.0	148.4	148.8	149.1	149.5	145.3	141.0
105°	198.5	199.1	199.8	200.4	200.6	200.6	200.6	200.6	200.6	200.6	200.6
107.5°	252.6	252.6	252.6	252.6	252.8	253.0	253.4	253.7	254.0	254.0	254.1
110°	288.2	288.2	288.2	288.2	288.3	288.6	289.0	289.2	289.6	289.1	288.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	321.9	322.3	322.7	323.0	323.3	323.5	323.6	323.8	324.0	323.5	322.9
115°	372.5	373.2	373.9	374.7	375.1	375.3	375.4	375.6	375.7	375.1	374.5
117.5°	423.5	423.4	423.4	423.4	423.7	424.2	424.8	425.4	425.9	425.2	424.4
120°	455.7	455.6	455.4	455.2	455.4	455.8	456.3	456.8	457.2	456.9	456.6
122.5°	485.0	485.5	486.1	486.6	487.1	487.2	487.5	487.7	487.9	487.6	487.3
125°	529.6	530.6	531.8	532.8	533.3	533.3	533.3	533.3	533.3	532.7	532.1
127.5°	571.4	572.2	573.0	573.7	574.0	573.9	573.9	573.8	573.7	573.3	573.0
130°	597.4	598.1	598.8	599.6	600.0	600.2	600.3	600.5	600.6	600.2	599.7
132.5°	623.3	624.1	625.0	625.9	626.2	625.9	625.5	625.2	624.8	624.7	624.7
135°	660.1	661.0	661.9	662.8	663.1	662.8	662.5	662.2	661.9	661.6	661.3
137.5°	693.8	694.6	695.3	696.1	696.4	696.1	695.9	695.6	695.3	695.3	695.4
140°	715.4	715.7	716.0	716.3	716.4	716.2	716.1	715.9	715.7	716.1	716.4
142.5°	735.2	735.4	735.6	735.7	735.9	736.2	736.3	736.6	736.8	736.8	736.9
145°	764.6	764.8	765.2	765.4	765.6	765.6	765.6	765.6	765.6	765.8	765.9
147.5°	789.8	789.7	789.6	789.6	789.6	789.8	790.0	790.2	790.4	790.6	790.7
150°	805.7	805.4	805.1	804.8	804.8	805.1	805.4	805.7	806.0	806.3	806.6
152.5°	821.0	820.3	819.7	819.0	818.8	819.1	819.4	819.7	820.0	820.3	820.6
155°	840.8	839.9	839.0	838.1	837.8	838.1	838.4	838.7	839.0	839.4	839.9
157.5°	856.6	856.1	855.6	855.0	854.7	854.8	854.8	854.8	854.9	855.3	855.8
160°	867.0	866.2	865.2	864.4	864.0	864.1	864.3	864.4	864.5	865.1	865.7
162.5°	875.6	874.8	873.8	873.0	872.6	872.7	872.9	873.1	873.2	874.0	874.9
165°	887.3	886.3	885.5	884.5	884.2	884.3	884.5	884.6	884.8	885.7	886.6
167.5°	895.9	894.9	894.0	893.0	892.7	892.8	892.9	893.1	893.3	894.3	895.4
170°	900.5	899.5	898.5	897.4	897.0	897.1	897.2	897.4	897.6	898.8	899.9
172.5°	903.8	902.8	901.7	900.6	900.3	900.5	900.8	901.0	901.3	902.4	903.4
175°	907.4	906.5	905.7	904.7	904.4	904.5	904.7	904.8	905.0	906.2	907.3
177.5°	909.2	908.5	907.8	907.1	906.8	906.9	907.0	907.1	907.2	908.1	909.0
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1431.9	1435.6	1443.6	1440.7	1444.5	1446.3	1448.2
5°	1547.6	1566.2	1574.3	1573.1	1585.4	1582.4	1579.5
7.5°	1678.2	1697.7	1708.7	1722.3	1730.2	1730.7	1737.6
10°	1752.1	1777.7	1788.1	1802.7	1812.0	1817.2	1816.6
12.5°	1808.9	1828.9	1852.3	1859.4	1872.0	1878.5	1876.1
15°	1877.1	1909.0	1933.5	1945.6	1961.4	1966.0	1972.4
17.5°	1937.9	1980.8	2009.3	2047.2	2061.5	2070.2	2065.1
20°	1984.0	2040.4	2068.8	2114.2	2139.2	2152.5	2147.9
22.5°	2038.4	2099.4	2152.1	2191.3	2229.3	2247.4	2251.1
25°	2131.6	2215.3	2292.6	2344.3	2391.3	2402.4	2426.8
27.5°	2235.8	2334.4	2417.1	2471.4	2504.2	2516.5	2524.2
30°	2301.3	2399.5	2461.7	2496.6	2507.0	2505.9	2504.6
32.5°	2333.4	2394.9	2406.8	2397.0	2373.1	2352.9	2331.8
35°	2287.9	2242.0	2173.4	2085.1	2020.0	1954.4	1947.9
37.5°	2057.7	1910.9	1796.7	1669.2	1595.7	1550.2	1518.9
40°	1841.0	1674.2	1535.9	1428.4	1353.5	1323.8	1294.8
42.5°	1605.8	1446.5	1324.0	1234.1	1177.8	1144.9	1121.8
45°	1304.7	1164.0	1068.2	1003.1	958.3	932.7	918.2
47.5°	1069.0	965.0	883.6	836.6	805.7	785.8	785.9
50°	942.6	843.3	789.2	752.0	725.2	709.6	712.5
52.5°	830.5	756.3	710.2	679.0	659.3	649.6	649.3
55°	694.5	641.0	610.8	588.1	574.7	563.7	566.0
57.5°	594.0	549.0	528.7	509.9	500.6	496.2	489.7
60°	531.8	496.9	479.4	464.3	455.0	451.5	445.1
62.5°	476.4	449.0	432.0	419.7	411.3	410.2	405.2
65°	400.4	379.4	364.4	358.5	349.8	347.5	347.5
67.5°	330.1	315.1	303.3	298.0	294.2	294.7	292.0
70°	285.9	273.7	266.1	260.4	257.4	258.0	255.7
72.5°	250.1	236.5	229.9	226.4	222.6	224.1	223.2
75°	189.4	182.4	179.0	175.5	173.1	172.0	170.8
77.5°	139.1	132.9	130.3	128.3	128.6	125.9	128.1
80°	107.5	102.3	100.6	97.6	97.0	97.0	96.4
82.5°	78.7	75.8	74.5	72.1	71.0	72.0	70.4
85°	40.6	38.3	37.8	37.8	36.6	35.5	38.3
87.5°	17.5	15.8	15.9	15.5	15.6	15.2	14.4
90°	13.0	13.8	14.4	14.8	15.2	15.7	16.2
92.5°	13.0	13.8	14.2	14.5	14.6	14.9	15.1
95°	13.0	13.8	14.1	14.1	14.1	14.1	14.1
97.5°	20.5	16.3	14.1	14.1	14.1	14.1	14.1
100°	50.3	28.0	16.5	15.9	15.3	14.7	14.1
102.5°	136.8	132.6	125.4	115.2	105.0	94.9	84.7
105°	200.6	200.6	200.6	200.4	200.3	200.1	200.0
107.5°	254.1	254.1	253.9	253.5	253.0	252.5	252.1
110°	288.2	287.7	287.6	287.7	287.9	288.0	288.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	322.3	321.8	321.3	321.2	320.9	320.7	320.6
115°	373.9	373.3	372.6	371.7	370.7	369.9	369.0
117.5°	423.6	422.8	422.2	421.9	421.5	421.1	420.7
120°	456.3	456.0	455.5	454.7	454.0	453.2	452.5
122.5°	487.0	486.7	486.1	485.3	484.4	483.5	482.7
125°	531.5	530.9	530.4	529.9	529.4	529.0	528.6
127.5°	572.7	572.4	571.6	570.6	569.5	568.3	567.2
130°	599.3	598.8	598.2	597.4	596.8	596.0	595.2
132.5°	624.6	624.5	624.1	623.4	622.6	621.8	621.1
135°	661.0	660.7	660.1	659.2	658.3	657.4	656.5
137.5°	695.4	695.5	695.2	694.4	693.6	692.8	692.1
140°	716.7	717.0	716.7	715.7	714.9	713.9	713.1
142.5°	736.9	737.0	736.6	735.7	734.8	733.9	733.0
145°	766.0	766.2	765.8	764.9	764.1	763.1	762.2
147.5°	790.9	791.1	790.7	789.5	788.5	787.4	786.4
150°	806.9	807.2	806.8	805.6	804.3	803.1	801.9
152.5°	820.9	821.2	820.8	819.8	818.6	817.6	816.5
155°	840.3	840.8	840.4	839.2	838.0	836.8	835.6
157.5°	856.4	856.8	856.4	855.2	854.0	852.8	851.6
160°	866.3	866.9	866.7	865.5	864.3	863.1	861.9
162.5°	875.7	876.5	876.3	874.9	873.7	872.4	871.1
165°	887.4	888.4	888.2	887.0	885.8	884.6	883.4
167.5°	896.5	897.6	897.4	896.0	894.8	893.4	892.1
170°	901.1	902.3	902.2	901.0	899.6	898.2	896.9
172.5°	904.6	905.7	905.5	904.1	902.8	901.5	900.1
175°	908.5	909.7	909.6	908.4	907.0	905.7	904.3
177.5°	909.7	910.6	910.6	909.6	908.6	907.7	906.7
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4

(END OF REPORT)