

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: P333413-930

Luminaire Tested: **S125DIW-S850D1050U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333413-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S850D1050U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5779.0 lumens
Efficiency: N/A
Efficacy: 109.9 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

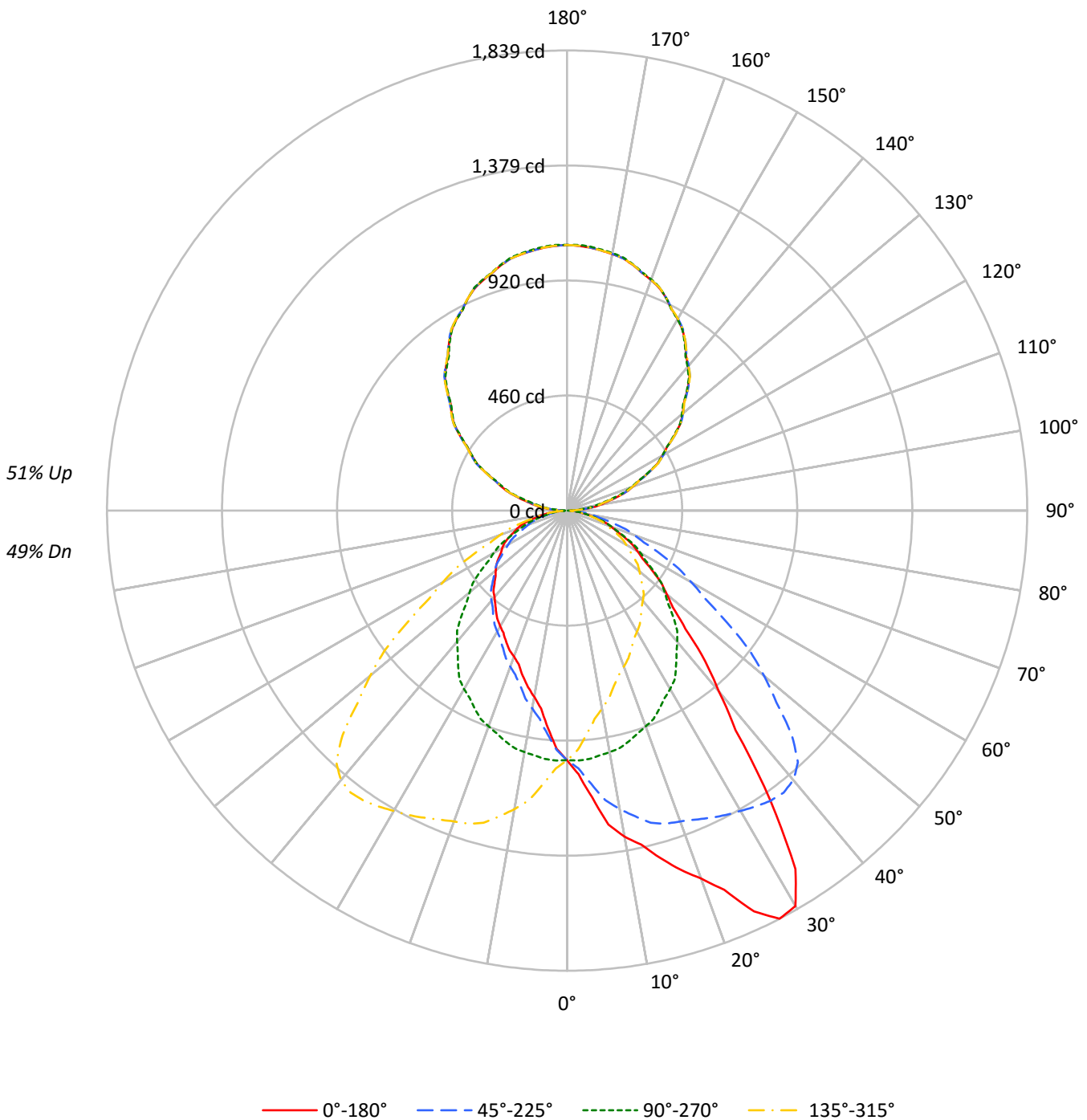
Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



51% Up

49% Dn



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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	83	83	83	68	68	68	55	55	55	49				
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42				
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40	35				
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30				
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26				
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22				
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20				
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18				
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16				
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6442	6442	6442	6442
5°	7459	6463	5659	6463
10°	8679	6430	4958	6430
15°	9607	6383	4574	6383
20°	10754	6308	4265	6308
25°	12598	6223	4115	6223
30°	13607	6141	3985	6141
35°	11188	5984	3899	5984
40°	7952	5767	3805	5767
45°	6109	5476	3751	5476
50°	5215	5112	3743	5112
55°	4644	4757	3775	4757
60°	4188	4370	3871	4370
65°	3869	3978	3972	3978
70°	3518	3573	4030	3573
75°	3107	3147	3992	3147
80°	2615	2566	3652	2566
85°	2075	1845	2949	1845



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	1.7
10°-20°	285.9	4.9
20°-30°	464.2	8.0
30°-40°	566.3	9.8
40°-50°	515.1	8.9
50°-60°	410.3	7.1
60°-70°	285.8	4.9
70°-80°	152.4	2.6
80°-90°	40.8	0.7
90°-100°	71.1	1.2
100°-110°	210.0	3.6
110°-120°	355.6	6.2
120°-130°	468.0	8.1
130°-140°	524.4	9.1
140°-150°	514.0	8.9
150°-160°	431.7	7.5
160°-170°	287.0	5.0
170°-180°	100.4	1.7
0°-30°	846.1	14.6
0°-40°	1412.4	24.4
0°-60°	2337.8	40.5
0°-90°	2816.8	48.7
90°-120°	636.7	11.0
90°-150°	2143.1	37.1
90°-180°	2962.0	51.3
0°-180°	5779.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1151	997	873	997	1151	116
15°	1437	955	684	955	1437	411
25°	1768	873	578	873	1768	807
35°	1419	759	494	759	1419	868
45°	669	600	411	600	669	535
55°	412	422	335	422	412	371
65°	253	260	260	260	253	251
75°	124	126	160	126	124	134
85°	28	25	40	25	28	33
90°	20	1	20	1	20	12
95°	71	54	71	54	71	72
105°	205	188	205	188	205	217
115°	359	356	359	356	359	355
125°	523	520	523	520	523	467
135°	678	676	678	676	678	523
145°	822	819	822	819	822	513
155°	937	937	937	937	937	431
165°	1016	1019	1016	1019	1016	286
175°	1055	1059	1055	1059	1055	100
180°	1062	1062	1062	1062	1062	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1055.0	1053.6	1052.3	1049.5	1051.6	1045.9	1043.1	1038.4	1032.7	1030.6	1028.3
5°	1150.6	1152.8	1154.9	1146.0	1146.9	1140.9	1127.4	1116.4	1107.5	1096.1	1088.0
7.5°	1265.8	1260.8	1260.4	1254.7	1244.7	1236.8	1222.5	1204.4	1186.9	1166.9	1150.4
10°	1323.4	1323.8	1320.0	1313.2	1302.7	1295.0	1276.4	1258.6	1237.1	1211.6	1193.4
12.5°	1366.8	1368.5	1363.7	1354.5	1349.4	1332.3	1317.7	1296.6	1270.9	1250.6	1222.9
15°	1436.9	1432.2	1428.8	1417.4	1408.5	1390.7	1367.4	1345.4	1317.4	1291.6	1265.8
17.5°	1504.4	1508.1	1501.8	1491.3	1463.8	1443.0	1411.8	1381.6	1346.9	1312.2	1281.4
20°	1564.7	1568.1	1558.4	1540.2	1507.2	1486.4	1445.3	1406.4	1366.1	1321.7	1287.8
22.5°	1639.9	1637.2	1624.1	1596.4	1567.7	1529.4	1484.9	1437.5	1387.2	1336.9	1291.9
25°	1767.9	1750.1	1742.1	1707.8	1670.1	1613.8	1552.8	1483.4	1420.7	1354.3	1296.7
27.5°	1838.8	1833.3	1824.3	1800.4	1760.8	1700.6	1628.7	1544.1	1455.7	1371.8	1296.5
30°	1824.6	1825.5	1826.4	1818.7	1793.3	1748.0	1676.5	1585.4	1480.4	1386.0	1298.9
32.5°	1698.7	1714.1	1728.8	1746.2	1753.3	1744.7	1699.8	1617.6	1509.6	1402.3	1297.5
35°	1419.0	1423.8	1471.5	1519.0	1583.3	1633.3	1666.7	1630.4	1539.3	1416.1	1295.8
37.5°	1106.4	1129.4	1162.5	1216.0	1308.9	1392.0	1499.0	1548.2	1518.8	1420.6	1292.9
40°	943.2	964.4	985.9	1040.6	1118.9	1219.7	1341.2	1444.9	1469.0	1406.4	1282.7
42.5°	817.3	834.0	857.9	899.0	964.5	1053.7	1169.8	1305.4	1388.8	1365.1	1261.4
45°	668.9	679.5	698.1	730.7	778.1	848.0	950.4	1098.6	1227.7	1270.5	1210.8
47.5°	572.5	572.4	586.9	609.4	643.7	703.0	778.8	894.9	1032.8	1134.8	1130.1
50°	519.0	516.9	528.3	547.8	574.9	614.2	686.6	779.3	911.9	1027.4	1059.6
52.5°	473.0	473.2	480.2	494.6	517.3	551.0	605.0	688.6	801.8	920.5	981.0
55°	412.4	410.7	418.7	428.4	444.9	466.9	505.9	569.8	661.7	778.5	857.3
57.5°	356.8	361.4	364.7	371.5	385.1	399.9	432.8	479.6	552.5	652.8	736.1
60°	324.2	329.0	331.5	338.3	349.3	362.0	387.3	425.5	486.8	573.2	655.7
62.5°	295.1	298.8	299.6	305.7	314.7	327.1	347.1	379.0	427.5	503.1	584.0
65°	253.2	253.2	254.9	261.2	265.5	276.5	291.7	315.0	353.9	412.8	481.8
67.5°	212.7	214.7	214.3	217.1	221.0	229.5	240.4	259.7	288.5	331.5	386.7
70°	186.3	187.9	187.5	189.6	193.9	199.4	208.3	226.5	247.2	284.1	331.5
72.5°	162.6	163.2	162.2	164.9	167.5	172.3	182.2	191.9	211.3	242.4	281.4
75°	124.5	125.3	126.1	127.8	130.4	132.9	138.0	147.7	160.5	183.8	208.7
77.5°	93.3	91.7	93.8	93.5	94.9	96.9	101.3	106.5	116.9	131.7	151.0
80°	70.3	70.7	70.7	71.1	73.2	74.5	78.4	82.1	90.2	101.2	114.7
82.5°	51.3	52.4	51.8	52.5	54.3	55.2	57.3	60.4	65.1	73.8	83.6
85°	28.0	25.8	26.7	27.6	27.6	28.0	29.6	30.9	33.4	36.9	40.6
87.5°	12.1	12.6	12.9	12.8	13.0	12.9	14.0	13.9	14.7	15.5	16.6
90°	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1	14.1	13.2	11.9
92.5°	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2	32.9	31.7	30.2
95°	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2	64.9	63.6	61.8
97.5°	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7	102.5	101.3	98.7
100°	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7	128.1	126.4	124.0
102.5°	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5	154.7	152.9	151.6
105°	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7	198.5	197.5	196.3
107.5°	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3	245.7	245.2	244.3
110°	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7	278.1	277.6	277.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1	310.9	310.6	309.9
115°	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6	360.9	361.0	360.6
117.5°	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2	410.1	409.9	409.6
120°	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6	443.6	443.6	443.4
122.5°	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4	476.5	476.7	476.2
125°	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6	525.1	525.4	525.2
127.5°	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6	572.8	573.0	572.7
130°	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4	604.5	604.7	604.4
132.5°	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7	635.0	635.1	635.2
135°	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5	681.5	681.5	681.3
137.5°	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1	726.8	726.7	726.3
140°	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8	755.5	755.0	754.5
142.5°	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9	783.7	783.5	782.8
145°	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4	824.4	824.4	823.9
147.5°	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0	861.6	861.1	860.7
150°	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6	885.6	885.6	884.8
152.5°	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6	907.2	906.8	906.4
155°	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1	938.4	937.7	937.4
157.5°	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4	965.6	964.9	964.7
160°	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9	982.2	981.5	981.2
162.5°	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4	997.5	996.6	996.6
165°	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2	1018.5	1017.7	1017.6
167.5°	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7	1033.6	1032.5	1032.5
170°	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9	1042.8	1041.7	1041.7
172.5°	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5	1049.5	1048.3	1048.3
175°	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9	1056.9	1055.7	1055.7
177.5°	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4	1060.5	1059.6	1059.7
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1026.2	1023.9	1021.1	1016.4	1010.6	1007.5	1002.8	999.8	993.7	988.6	983.2
5°	1078.2	1067.2	1057.1	1044.0	1029.6	1020.3	1009.3	996.9	984.3	971.2	956.8
7.5°	1132.2	1112.7	1091.5	1068.8	1046.5	1026.1	1006.5	987.2	969.3	947.6	929.3
10°	1168.4	1143.9	1117.6	1086.7	1056.7	1030.5	1003.8	980.5	956.8	931.4	908.9
12.5°	1204.7	1172.0	1134.9	1101.0	1064.8	1033.1	1001.8	972.0	942.2	914.1	887.9
15°	1230.3	1201.4	1167.2	1118.9	1078.2	1034.7	993.2	954.6	918.7	887.4	854.4
17.5°	1247.1	1210.0	1173.2	1126.9	1073.6	1024.8	977.9	933.8	893.2	853.5	821.7
20°	1250.2	1212.0	1173.5	1128.2	1073.6	1017.7	970.8	917.8	874.2	833.2	794.2
22.5°	1249.1	1206.0	1164.0	1117.4	1064.1	1012.7	955.9	901.9	854.6	814.2	773.6
25°	1239.6	1193.4	1140.9	1094.0	1041.5	986.8	929.3	873.3	825.1	778.9	738.7
27.5°	1231.6	1171.7	1112.3	1057.5	1006.8	956.8	901.6	844.4	790.9	744.1	706.2
30°	1221.8	1156.2	1089.2	1032.1	980.1	931.4	879.3	823.5	767.5	721.8	681.2
32.5°	1213.0	1136.5	1065.9	1003.7	948.5	901.2	853.2	800.1	745.2	698.8	658.1
35°	1196.0	1107.5	1026.6	956.3	897.5	848.8	808.6	759.0	708.7	663.8	624.8
37.5°	1174.4	1069.3	982.6	908.9	844.4	793.1	755.7	717.6	669.3	626.1	590.8
40°	1157.4	1042.3	950.4	875.1	808.2	754.8	720.2	684.1	643.9	603.7	566.5
42.5°	1136.1	1017.9	917.9	836.8	770.5	718.6	682.2	651.6	616.1	578.6	544.0
45°	1096.9	973.7	865.4	778.1	711.2	660.0	622.3	599.5	572.8	537.2	508.0
47.5°	1039.3	920.6	808.5	718.5	649.5	602.0	566.7	544.8	525.9	499.5	473.0
50°	988.1	881.0	767.5	678.2	609.2	561.3	528.8	508.8	492.8	472.5	450.0
52.5°	930.8	831.2	727.2	639.0	570.6	523.4	491.5	474.0	460.6	446.1	424.0
55°	839.9	755.3	658.8	574.9	511.8	465.7	437.7	422.5	411.5	400.5	386.9
57.5°	739.7	673.5	588.0	511.4	453.3	411.3	385.2	370.4	361.9	356.2	348.2
60°	669.3	612.6	538.9	469.0	412.4	375.1	349.7	338.3	331.1	326.4	320.5
62.5°	604.0	557.4	489.1	425.3	375.8	340.6	317.9	306.8	299.9	297.6	292.7
65°	507.6	471.7	415.3	362.4	320.1	290.0	270.9	260.3	256.1	253.6	254.0
67.5°	412.7	390.8	345.5	300.4	266.6	241.4	226.2	218.0	215.9	212.5	212.5
70°	354.7	338.3	300.2	260.8	230.7	211.2	197.7	189.2	187.1	185.4	185.0
72.5°	303.6	289.2	256.1	224.5	197.5	180.4	169.3	164.2	160.7	159.7	159.6
75°	228.2	220.1	193.9	168.9	150.3	138.4	130.9	126.1	123.6	123.2	123.6
77.5°	162.2	155.2	138.5	120.8	109.1	100.1	93.7	92.0	89.2	89.3	88.8
80°	121.9	117.2	106.7	92.7	83.0	75.3	72.0	69.0	68.2	66.9	68.2
82.5°	88.4	83.4	76.2	67.3	59.3	54.7	51.3	50.4	49.9	49.2	49.6
85°	43.6	44.0	39.8	33.0	29.6	27.1	24.9	24.9	24.5	24.1	24.5
87.5°	17.0	16.1	14.5	13.2	11.2	9.9	9.3	9.3	8.6	8.6	9.2
90°	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2
92.5°	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0	21.0	22.0	23.1
95°	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7	54.1	54.5	54.8
97.5°	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2	89.4	89.5	89.7
100°	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
102.5°	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1	144.8	145.5	146.3
105°	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3	189.2	190.2	191.1
107.5°	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3	238.1	239.1	240.0
110°	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9	271.9	272.8	273.7



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3	305.8	306.3	306.8
115°	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0	356.8	357.5	358.2
117.5°	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9	407.2	407.6	407.9
120°	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6	439.6	440.5	441.4
122.5°	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0	473.4	473.7	474.0
125°	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6	520.7	521.8	522.9
127.5°	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2	569.8	570.5	571.0
130°	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9	599.8	600.8	601.7
132.5°	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7	630.1	631.7	633.2
135°	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7	676.9	677.9	679.1
137.5°	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1	721.1	722.2	723.3
140°	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4	749.3	750.3	751.2
142.5°	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9	777.6	778.4	779.2
145°	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6	819.4	820.1	820.8
147.5°	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4	857.8	858.2	858.5
150°	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1	883.0	882.7	882.6
152.5°	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2	904.5	904.7	905.1
155°	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8
157.5°	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9	965.5	965.1	964.7
160°	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1	982.5	981.9	981.5
162.5°	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3	997.8	997.4	997.0
165°	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6	1018.2	1017.8	1017.5
167.5°	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8	1035.0	1034.3	1033.6
170°	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1	1044.3	1043.6	1042.8
172.5°	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7	1050.9	1050.2	1049.5
175°	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1	1058.3	1057.6	1056.9
177.5°	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9	1062.3	1061.7	1061.1
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	980.2	976.4	973.4	966.6	962.9	957.8	953.7	958.1	953.4	955.4	952.4
5°	949.6	937.8	929.3	917.0	906.4	896.7	889.5	888.2	884.8	883.1	878.0
7.5°	912.8	898.0	883.5	867.4	853.8	840.0	831.2	823.9	819.1	812.8	808.5
10°	891.1	871.2	854.4	834.9	817.9	803.1	791.2	785.3	779.8	771.8	768.8
12.5°	864.4	843.8	823.1	802.3	786.1	769.6	759.4	750.4	746.7	737.5	736.6
15°	832.3	801.4	781.1	759.9	737.4	723.9	715.4	705.7	701.5	695.1	690.5
17.5°	794.0	766.5	741.0	719.1	699.9	688.4	677.9	671.2	664.0	659.8	652.2
20°	766.3	740.0	714.6	691.3	676.5	663.4	654.9	648.6	641.0	638.9	631.2
22.5°	742.9	714.0	689.6	670.0	653.8	639.0	629.8	625.6	620.3	613.8	612.2
25°	704.9	674.8	654.1	634.6	620.2	606.7	600.3	594.8	589.7	585.1	583.3
27.5°	672.1	645.1	620.5	602.9	590.4	578.0	572.4	565.7	562.1	558.3	553.8
30°	649.0	621.5	599.9	582.9	569.4	558.4	552.4	547.8	544.5	541.0	538.5
32.5°	625.3	599.8	578.9	562.3	548.8	540.5	535.2	531.9	528.2	524.1	520.9
35°	593.9	566.0	545.7	531.3	520.7	514.4	508.4	505.5	501.2	501.2	497.8
37.5°	558.6	534.5	516.6	503.4	494.0	488.3	481.8	479.8	477.1	475.3	474.2
40°	537.7	515.2	498.3	485.2	475.0	470.3	465.3	461.9	460.2	458.0	457.2
42.5°	516.0	494.6	478.3	466.2	457.4	453.4	448.7	446.3	442.9	440.1	439.6
45°	483.1	462.3	447.5	437.7	430.2	425.5	422.5	417.4	415.7	412.4	411.9
47.5°	451.8	431.9	417.4	409.4	402.7	398.8	394.2	389.1	387.2	385.5	385.3
50°	428.4	410.3	396.6	389.1	382.7	377.2	372.5	369.2	367.9	367.9	368.8
52.5°	404.7	389.2	377.7	368.4	362.4	356.5	352.2	350.2	348.2	350.3	351.8
55°	370.0	354.3	345.8	337.0	331.1	324.2	322.2	321.3	320.1	323.4	325.1
57.5°	333.3	322.3	312.3	303.5	298.2	294.3	291.5	290.9	293.3	294.9	300.4
60°	309.9	297.2	288.3	281.5	275.2	272.6	271.8	270.9	272.6	277.3	284.5
62.5°	284.1	273.9	264.2	259.2	254.5	250.3	250.1	250.6	254.0	259.3	266.5
65°	246.4	237.5	231.1	225.2	221.4	218.9	219.7	221.4	225.2	232.4	240.4
67.5°	208.1	201.9	196.2	191.4	187.8	187.8	188.7	191.2	195.7	204.0	211.3
70°	183.3	176.5	171.9	169.7	166.8	165.1	167.6	171.9	175.7	183.3	189.6
72.5°	158.6	152.9	149.2	147.7	146.5	145.1	145.9	150.5	155.7	163.3	170.7
75°	121.9	119.8	117.2	115.6	114.3	115.1	116.0	120.3	124.5	132.5	141.0
77.5°	88.9	86.7	85.3	84.9	84.1	84.5	87.0	90.1	94.2	100.1	106.5
80°	67.3	66.4	65.6	65.2	65.2	65.6	69.0	71.1	74.9	80.5	85.5
82.5°	49.0	48.5	48.3	48.3	48.6	48.7	50.7	53.5	56.7	60.8	65.2
85°	25.8	24.9	26.3	26.7	25.8	27.1	28.0	29.6	30.9	33.0	35.1
87.5°	9.8	10.8	10.7	11.3	11.5	12.5	12.3	13.9	14.7	15.6	15.4
90°	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1	16.0	16.9	17.6
92.5°	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2	35.4	36.6	37.3
95°	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2	67.4	68.7	69.5
97.5°	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7	104.9	106.2	106.8
100°	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7	131.3	133.0	134.0
102.5°	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5	158.2	160.0	161.2
105°	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7	200.7	201.9	202.7
107.5°	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3	246.9	247.4	247.7
110°	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7	279.2	279.8	280.0



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1	311.4	311.6	311.6
115°	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6	360.4	360.3	360.1
117.5°	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2	410.3	410.5	410.2
120°	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6	443.6	443.6	443.3
122.5°	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4	476.2	476.1	475.7
125°	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6	524.3	523.9	523.7
127.5°	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6	572.4	572.3	572.0
130°	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4	604.1	604.0	603.7
132.5°	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7	634.5	634.4	634.1
135°	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5	681.5	681.5	681.2
137.5°	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1	727.3	727.5	727.2
140°	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8	756.2	756.5	756.3
142.5°	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9	784.2	784.4	784.0
145°	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4	824.4	824.4	824.2
147.5°	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0	862.4	862.9	862.5
150°	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6	885.6	885.6	885.4
152.5°	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6	908.1	908.5	908.4
155°	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1	939.9	940.6	940.4
157.5°	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4	967.1	967.8	967.6
160°	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9	983.7	984.4	984.2
162.5°	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4	999.2	1000.1	1000.0
165°	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2	1019.9	1020.7	1020.5
167.5°	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7	1035.8	1036.9	1036.9
170°	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9	1045.1	1046.1	1046.0
172.5°	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5	1051.7	1052.7	1052.7
175°	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9	1059.1	1060.2	1060.1
177.5°	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4	1062.3	1063.1	1063.0
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	950.3	952.7	950.6	953.4	950.6	952.7	950.3	952.4	955.4	953.4	958.1
5°	875.9	872.1	874.7	872.9	874.7	872.1	875.9	878.0	883.1	884.8	888.2
7.5°	807.1	803.5	799.4	797.4	799.4	803.5	807.1	808.5	812.8	819.1	823.9
10°	764.2	759.5	759.0	756.1	759.0	759.5	764.2	768.8	771.8	779.8	785.3
12.5°	732.6	728.3	723.5	722.3	723.5	728.3	732.6	736.6	737.5	746.7	750.4
15°	687.9	684.5	681.6	684.1	681.6	684.5	687.9	690.5	695.1	701.5	705.7
17.5°	650.8	648.0	647.4	644.3	647.4	648.0	650.8	652.2	659.8	664.0	671.2
20°	627.4	625.3	626.1	620.6	626.1	625.3	627.4	631.2	638.9	641.0	648.6
22.5°	608.8	604.6	604.1	603.0	604.1	604.6	608.8	612.2	613.8	620.3	625.6
25°	579.6	577.5	575.4	577.5	575.4	577.5	579.6	583.3	585.1	589.7	594.8
27.5°	554.1	551.5	551.0	551.2	551.0	551.5	554.1	553.8	558.3	562.1	565.7
30°	538.5	534.3	534.7	534.3	534.7	534.3	538.5	538.5	541.0	544.5	547.8
32.5°	521.5	518.7	518.1	517.3	518.1	518.7	521.5	520.9	524.1	528.2	531.9
35°	496.6	496.6	494.5	494.5	494.5	496.6	496.6	497.8	501.2	501.2	505.5
37.5°	473.1	472.7	471.4	471.7	471.4	472.7	473.1	474.2	475.3	477.1	479.8
40°	455.5	455.1	453.8	451.3	453.8	455.1	455.5	457.2	458.0	460.2	461.9
42.5°	438.5	437.2	436.6	435.7	436.6	437.2	438.5	439.6	440.1	442.9	446.3
45°	411.9	411.9	411.1	410.7	411.1	411.9	411.9	411.9	412.4	415.7	417.4
47.5°	386.0	386.8	388.4	388.2	388.4	386.8	386.0	385.3	385.5	387.2	389.1
50°	370.4	370.9	372.1	372.5	372.1	370.9	370.4	368.8	367.9	367.9	369.2
52.5°	353.2	355.6	357.2	356.9	357.2	355.6	353.2	351.8	350.3	348.2	350.2
55°	329.0	331.9	334.8	335.3	334.8	331.9	329.0	325.1	323.4	320.1	321.3
57.5°	305.0	309.2	312.3	313.2	312.3	309.2	305.0	300.4	294.9	293.3	290.9
60°	288.7	294.2	298.1	299.7	298.1	294.2	288.7	284.5	277.3	272.6	270.9
62.5°	273.1	279.3	283.2	283.5	283.2	279.3	273.1	266.5	259.3	254.0	250.6
65°	247.7	254.0	257.4	259.9	257.4	254.0	247.7	240.4	232.4	225.2	221.4
67.5°	220.2	226.6	230.3	232.4	230.3	226.6	220.2	211.3	204.0	195.7	191.2
70°	200.2	206.6	211.7	213.4	211.7	206.6	200.2	189.6	183.3	175.7	171.9
72.5°	180.6	186.3	190.4	192.3	190.4	186.3	180.6	170.7	163.3	155.7	150.5
75°	146.5	154.1	157.9	160.0	157.9	154.1	146.5	141.0	132.5	124.5	120.3
77.5°	112.9	119.9	122.2	123.3	122.2	119.9	112.9	106.5	100.1	94.2	90.1
80°	90.6	94.8	97.8	98.2	97.8	94.8	90.6	85.5	80.5	74.9	71.1
82.5°	69.6	73.1	74.1	75.2	74.1	73.1	69.6	65.2	60.8	56.7	53.5
85°	38.1	39.8	40.2	39.8	40.2	39.8	38.1	35.1	33.0	30.9	29.6
87.5°	16.1	15.9	16.1	16.8	16.1	15.9	16.1	15.4	15.6	14.7	13.9
90°	18.2	18.8	19.2	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1
92.5°	37.7	38.2	38.6	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2
95°	70.0	70.3	70.7	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2
97.5°	107.0	107.3	107.5	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7
100°	134.4	134.8	135.1	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7
102.5°	161.7	162.2	162.7	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5
105°	203.3	203.7	204.3	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7
107.5°	247.6	247.6	247.5	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3
110°	279.8	279.6	279.4	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.3	311.0	310.6	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1
115°	359.9	359.7	359.5	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6
117.5°	409.4	408.7	408.0	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2
120°	442.5	441.8	441.1	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6
122.5°	475.2	474.5	473.9	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4
125°	523.5	523.3	523.1	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6
127.5°	571.6	571.3	570.9	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6
130°	603.3	603.0	602.6	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4
132.5°	633.5	633.0	632.5	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7
135°	680.4	679.7	679.0	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5
137.5°	726.3	725.4	724.4	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1
140°	755.4	754.4	753.5	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8
142.5°	783.1	782.2	781.3	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9
145°	823.6	823.0	822.6	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4
147.5°	861.3	860.0	858.8	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0
150°	885.0	884.7	884.3	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6
152.5°	907.8	907.1	906.4	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6
155°	939.6	938.7	937.8	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1
157.5°	966.4	965.2	963.9	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4
160°	983.3	982.4	981.5	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9
162.5°	999.0	997.9	996.9	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4
165°	1019.5	1018.3	1017.2	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2
167.5°	1035.8	1034.6	1033.5	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7
170°	1044.7	1043.5	1042.2	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9
172.5°	1051.6	1050.4	1049.3	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5
175°	1058.8	1057.5	1056.2	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9
177.5°	1062.0	1060.9	1060.0	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	953.7	957.8	962.9	966.6	973.4	976.4	980.2	983.2	988.6	993.7	999.8
5°	889.5	896.7	906.4	917.0	929.3	937.8	949.6	956.8	971.2	984.3	996.9
7.5°	831.2	840.0	853.8	867.4	883.5	898.0	912.8	929.3	947.6	969.3	987.2
10°	791.2	803.1	817.9	834.9	854.4	871.2	891.1	908.9	931.4	956.8	980.5
12.5°	759.4	769.6	786.1	802.3	823.1	843.8	864.4	887.9	914.1	942.2	972.0
15°	715.4	723.9	737.4	759.9	781.1	801.4	832.3	854.4	887.4	918.7	954.6
17.5°	677.9	688.4	699.9	719.1	741.0	766.5	794.0	821.7	853.5	893.2	933.8
20°	654.9	663.4	676.5	691.3	714.6	740.0	766.3	794.2	833.2	874.2	917.8
22.5°	629.8	639.0	653.8	670.0	689.6	714.0	742.9	773.6	814.2	854.6	901.9
25°	600.3	606.7	620.2	634.6	654.1	674.8	704.9	738.7	778.9	825.1	873.3
27.5°	572.4	578.0	590.4	602.9	620.5	645.1	672.1	706.2	744.1	790.9	844.4
30°	552.4	558.4	569.4	582.9	599.9	621.5	649.0	681.2	721.8	767.5	823.5
32.5°	535.2	540.5	548.8	562.3	578.9	599.8	625.3	658.1	698.8	745.2	800.1
35°	508.4	514.4	520.7	531.3	545.7	566.0	593.9	624.8	663.8	708.7	759.0
37.5°	481.8	488.3	494.0	503.4	516.6	534.5	558.6	590.8	626.1	669.3	717.6
40°	465.3	470.3	475.0	485.2	498.3	515.2	537.7	566.5	603.7	643.9	684.1
42.5°	448.7	453.4	457.4	466.2	478.3	494.6	516.0	544.0	578.6	616.1	651.6
45°	422.5	425.5	430.2	437.7	447.5	462.3	483.1	508.0	537.2	572.8	599.5
47.5°	394.2	398.8	402.7	409.4	417.4	431.9	451.8	473.0	499.5	525.9	544.8
50°	372.5	377.2	382.7	389.1	396.6	410.3	428.4	450.0	472.5	492.8	508.8
52.5°	352.2	356.5	362.4	368.4	377.7	389.2	404.7	424.0	446.1	460.6	474.0
55°	322.2	324.2	331.1	337.0	345.8	354.3	370.0	386.9	400.5	411.5	422.5
57.5°	291.5	294.3	298.2	303.5	312.3	322.3	333.3	348.2	356.2	361.9	370.4
60°	271.8	272.6	275.2	281.5	288.3	297.2	309.9	320.5	326.4	331.1	338.3
62.5°	250.1	250.3	254.5	259.2	264.2	273.9	284.1	292.7	297.6	299.9	306.8
65°	219.7	218.9	221.4	225.2	231.1	237.5	246.4	254.0	253.6	256.1	260.3
67.5°	188.7	187.8	187.8	191.4	196.2	201.9	208.1	212.5	212.5	215.9	218.0
70°	167.6	165.1	166.8	169.7	171.9	176.5	183.3	185.0	185.4	187.1	189.2
72.5°	145.9	145.1	146.5	147.7	149.2	152.9	158.6	159.6	159.7	160.7	164.2
75°	116.0	115.1	114.3	115.6	117.2	119.8	121.9	123.6	123.2	123.6	126.1
77.5°	87.0	84.5	84.1	84.9	85.3	86.7	88.9	88.8	89.3	89.2	92.0
80°	69.0	65.6	65.2	65.2	65.6	66.4	67.3	68.2	66.9	68.2	69.0
82.5°	50.7	48.7	48.6	48.3	48.3	48.5	49.0	49.6	49.2	49.9	50.4
85°	28.0	27.1	25.8	26.7	26.3	24.9	25.8	24.5	24.1	24.5	24.9
87.5°	12.3	12.5	11.5	11.3	10.7	10.8	9.8	9.2	8.6	8.6	9.3
90°	14.1	13.2	11.9	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8
92.5°	32.9	31.7	30.2	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0
95°	64.9	63.6	61.8	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7
97.5°	102.5	101.3	98.7	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2
100°	128.1	126.4	124.0	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7
102.5°	154.7	152.9	151.6	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1
105°	198.5	197.5	196.3	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3
107.5°	245.7	245.2	244.3	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3
110°	278.1	277.6	277.0	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.9	310.6	309.9	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3
115°	360.9	361.0	360.6	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0
117.5°	410.1	409.9	409.6	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9
120°	443.6	443.6	443.4	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6
122.5°	476.5	476.7	476.2	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0
125°	525.1	525.4	525.2	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6
127.5°	572.8	573.0	572.7	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2
130°	604.5	604.7	604.4	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9
132.5°	635.0	635.1	635.2	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7
135°	681.5	681.5	681.3	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7
137.5°	726.8	726.7	726.3	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1
140°	755.5	755.0	754.5	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4
142.5°	783.7	783.5	782.8	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9
145°	824.4	824.4	823.9	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6
147.5°	861.6	861.1	860.7	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4
150°	885.6	885.6	884.8	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1
152.5°	907.2	906.8	906.4	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2
155°	938.4	937.7	937.4	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8
157.5°	965.6	964.9	964.7	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9
160°	982.2	981.5	981.2	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1
162.5°	997.5	996.6	996.6	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3
165°	1018.5	1017.7	1017.6	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6
167.5°	1033.6	1032.5	1032.5	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8
170°	1042.8	1041.7	1041.7	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1
172.5°	1049.5	1048.3	1048.3	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7
175°	1056.9	1055.7	1055.7	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1
177.5°	1060.5	1059.6	1059.7	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333413-930

CATALOG NUMBER: S125DIW-S850D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1002.8	1007.5	1010.6	1016.4	1021.1	1023.9	1026.2	1028.3	1030.6	1032.7	1038.4
5°	1009.3	1020.3	1029.6	1044.0	1057.1	1067.2	1078.2	1088.0	1096.1	1107.5	1116.4
7.5°	1006.5	1026.1	1046.5	1068.8	1091.5	1112.7	1132.2	1150.4	1166.9	1186.9	1204.4
10°	1003.8	1030.5	1056.7	1086.7	1117.6	1143.9	1168.4	1193.4	1211.6	1237.1	1258.6
12.5°	1001.8	1033.1	1064.8	1101.0	1134.9	1172.0	1204.7	1222.9	1250.6	1270.9	1296.6
15°	993.2	1034.7	1078.2	1118.9	1167.2	1201.4	1230.3	1265.8	1291.6	1317.4	1345.4
17.5°	977.9	1024.8	1073.6	1126.9	1173.2	1210.0	1247.1	1281.4	1312.2	1346.9	1381.6
20°	970.8	1017.7	1073.6	1128.2	1173.5	1212.0	1250.2	1287.8	1321.7	1366.1	1406.4
22.5°	955.9	1012.7	1064.1	1117.4	1164.0	1206.0	1249.1	1291.9	1336.9	1387.2	1437.5
25°	929.3	986.8	1041.5	1094.0	1140.9	1193.4	1239.6	1296.7	1354.3	1420.7	1483.4
27.5°	901.6	956.8	1006.8	1057.5	1112.3	1171.7	1231.6	1296.5	1371.8	1455.7	1544.1
30°	879.3	931.4	980.1	1032.1	1089.2	1156.2	1221.8	1298.9	1386.0	1480.4	1585.4
32.5°	853.2	901.2	948.5	1003.7	1065.9	1136.5	1213.0	1297.5	1402.3	1509.6	1617.6
35°	808.6	848.8	897.5	956.3	1026.6	1107.5	1196.0	1295.8	1416.1	1539.3	1630.4
37.5°	755.7	793.1	844.4	908.9	982.6	1069.3	1174.4	1292.9	1420.6	1518.8	1548.2
40°	720.2	754.8	808.2	875.1	950.4	1042.3	1157.4	1282.7	1406.4	1469.0	1444.9
42.5°	682.2	718.6	770.5	836.8	917.9	1017.9	1136.1	1261.4	1365.1	1388.8	1305.4
45°	622.3	660.0	711.2	778.1	865.4	973.7	1096.9	1210.8	1270.5	1227.7	1098.6
47.5°	566.7	602.0	649.5	718.5	808.5	920.6	1039.3	1130.1	1134.8	1032.8	894.9
50°	528.8	561.3	609.2	678.2	767.5	881.0	988.1	1059.6	1027.4	911.9	779.3
52.5°	491.5	523.4	570.6	639.0	727.2	831.2	930.8	981.0	920.5	801.8	688.6
55°	437.7	465.7	511.8	574.9	658.8	755.3	839.9	857.3	778.5	661.7	569.8
57.5°	385.2	411.3	453.3	511.4	588.0	673.5	739.7	736.1	652.8	552.5	479.6
60°	349.7	375.1	412.4	469.0	538.9	612.6	669.3	655.7	573.2	486.8	425.5
62.5°	317.9	340.6	375.8	425.3	489.1	557.4	604.0	584.0	503.1	427.5	379.0
65°	270.9	290.0	320.1	362.4	415.3	471.7	507.6	481.8	412.8	353.9	315.0
67.5°	226.2	241.4	266.6	300.4	345.5	390.8	412.7	386.7	331.5	288.5	259.7
70°	197.7	211.2	230.7	260.8	300.2	338.3	354.7	331.5	284.1	247.2	226.5
72.5°	169.3	180.4	197.5	224.5	256.1	289.2	303.6	281.4	242.4	211.3	191.9
75°	130.9	138.4	150.3	168.9	193.9	220.1	228.2	208.7	183.8	160.5	147.7
77.5°	93.7	100.1	109.1	120.8	138.5	155.2	162.2	151.0	131.7	116.9	106.5
80°	72.0	75.3	83.0	92.7	106.7	117.2	121.9	114.7	101.2	90.2	82.1
82.5°	51.3	54.7	59.3	67.3	76.2	83.4	88.4	83.6	73.8	65.1	60.4
85°	24.9	27.1	29.6	33.0	39.8	44.0	43.6	40.6	36.9	33.4	30.9
87.5°	9.3	9.9	11.2	13.2	14.5	16.1	17.0	16.6	15.5	14.7	13.9
90°	2.3	3.8	5.2	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1
92.5°	21.0	22.0	23.1	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2
95°	54.1	54.5	54.8	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2
97.5°	89.4	89.5	89.7	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7
100°	115.7	115.7	115.7	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7
102.5°	144.8	145.5	146.3	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5
105°	189.2	190.2	191.1	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7
107.5°	238.1	239.1	240.0	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3
110°	271.9	272.8	273.7	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	305.8	306.3	306.8	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1
115°	356.8	357.5	358.2	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6
117.5°	407.2	407.6	407.9	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2
120°	439.6	440.5	441.4	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6
122.5°	473.4	473.7	474.0	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4
125°	520.7	521.8	522.9	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6
127.5°	569.8	570.5	571.0	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6
130°	599.8	600.8	601.7	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4
132.5°	630.1	631.7	633.2	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7
135°	676.9	677.9	679.1	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5
137.5°	721.1	722.2	723.3	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1
140°	749.3	750.3	751.2	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8
142.5°	777.6	778.4	779.2	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9
145°	819.4	820.1	820.8	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4
147.5°	857.8	858.2	858.5	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0
150°	883.0	882.7	882.6	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6
152.5°	904.5	904.7	905.1	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6
155°	936.8	936.8	936.8	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1
157.5°	965.5	965.1	964.7	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4
160°	982.5	981.9	981.5	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9
162.5°	997.8	997.4	997.0	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4
165°	1018.2	1017.8	1017.5	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2
167.5°	1035.0	1034.3	1033.6	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7
170°	1044.3	1043.6	1042.8	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9
172.5°	1050.9	1050.2	1049.5	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5
175°	1058.3	1057.6	1056.9	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9
177.5°	1062.3	1061.7	1061.1	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.1	1045.9	1051.6	1049.5	1052.3	1053.6	1055.0
5°	1127.4	1140.9	1146.9	1146.0	1154.9	1152.8	1150.6
7.5°	1222.5	1236.8	1244.7	1254.7	1260.4	1260.8	1265.8
10°	1276.4	1295.0	1302.7	1313.2	1320.0	1323.8	1323.4
12.5°	1317.7	1332.3	1349.4	1354.5	1363.7	1368.5	1366.8
15°	1367.4	1390.7	1408.5	1417.4	1428.8	1432.2	1436.9
17.5°	1411.8	1443.0	1463.8	1491.3	1501.8	1508.1	1504.4
20°	1445.3	1486.4	1507.2	1540.2	1558.4	1568.1	1564.7
22.5°	1484.9	1529.4	1567.7	1596.4	1624.1	1637.2	1639.9
25°	1552.8	1613.8	1670.1	1707.8	1742.1	1750.1	1767.9
27.5°	1628.7	1700.6	1760.8	1800.4	1824.3	1833.3	1838.8
30°	1676.5	1748.0	1793.3	1818.7	1826.4	1825.5	1824.6
32.5°	1699.8	1744.7	1753.3	1746.2	1728.8	1714.1	1698.7
35°	1666.7	1633.3	1583.3	1519.0	1471.5	1423.8	1419.0
37.5°	1499.0	1392.0	1308.9	1216.0	1162.5	1129.4	1106.4
40°	1341.2	1219.7	1118.9	1040.6	985.9	964.4	943.2
42.5°	1169.8	1053.7	964.5	899.0	857.9	834.0	817.3
45°	950.4	848.0	778.1	730.7	698.1	679.5	668.9
47.5°	778.8	703.0	643.7	609.4	586.9	572.4	572.5
50°	686.6	614.2	574.9	547.8	528.3	516.9	519.0
52.5°	605.0	551.0	517.3	494.6	480.2	473.2	473.0
55°	505.9	466.9	444.9	428.4	418.7	410.7	412.4
57.5°	432.8	399.9	385.1	371.5	364.7	361.4	356.8
60°	387.3	362.0	349.3	338.3	331.5	329.0	324.2
62.5°	347.1	327.1	314.7	305.7	299.6	298.8	295.1
65°	291.7	276.5	265.5	261.2	254.9	253.2	253.2
67.5°	240.4	229.5	221.0	217.1	214.3	214.7	212.7
70°	208.3	199.4	193.9	189.6	187.5	187.9	186.3
72.5°	182.2	172.3	167.5	164.9	162.2	163.2	162.6
75°	138.0	132.9	130.4	127.8	126.1	125.3	124.5
77.5°	101.3	96.9	94.9	93.5	93.8	91.7	93.3
80°	78.4	74.5	73.2	71.1	70.7	70.7	70.3
82.5°	57.3	55.2	54.3	52.5	51.8	52.4	51.3
85°	29.6	28.0	27.6	27.6	26.7	25.8	28.0
87.5°	14.0	12.9	13.0	12.8	12.9	12.6	12.1
90°	16.0	16.9	17.6	18.2	18.8	19.2	19.8
92.5°	35.4	36.6	37.3	37.7	38.2	38.6	39.0
95°	67.4	68.7	69.5	70.0	70.3	70.7	71.0
97.5°	104.9	106.2	106.8	107.0	107.3	107.5	107.7
100°	131.3	133.0	134.0	134.4	134.8	135.1	135.5
102.5°	158.2	160.0	161.2	161.7	162.2	162.7	163.2
105°	200.7	201.9	202.7	203.3	203.7	204.3	204.9
107.5°	246.9	247.4	247.7	247.6	247.6	247.5	247.5
110°	279.2	279.8	280.0	279.8	279.6	279.4	279.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	311.4	311.6	311.6	311.3	311.0	310.6	310.3
115°	360.4	360.3	360.1	359.9	359.7	359.5	359.4
117.5°	410.3	410.5	410.2	409.4	408.7	408.0	407.2
120°	443.6	443.6	443.3	442.5	441.8	441.1	440.3
122.5°	476.2	476.1	475.7	475.2	474.5	473.9	473.4
125°	524.3	523.9	523.7	523.5	523.3	523.1	522.9
127.5°	572.4	572.3	572.0	571.6	571.3	570.9	570.5
130°	604.1	604.0	603.7	603.3	603.0	602.6	602.3
132.5°	634.5	634.4	634.1	633.5	633.0	632.5	631.9
135°	681.5	681.5	681.2	680.4	679.7	679.0	678.2
137.5°	727.3	727.5	727.2	726.3	725.4	724.4	723.5
140°	756.2	756.5	756.3	755.4	754.4	753.5	752.6
142.5°	784.2	784.4	784.0	783.1	782.2	781.3	780.3
145°	824.4	824.4	824.2	823.6	823.0	822.6	822.0
147.5°	862.4	862.9	862.5	861.3	860.0	858.8	857.5
150°	885.6	885.6	885.4	885.0	884.7	884.3	883.9
152.5°	908.1	908.5	908.4	907.8	907.1	906.4	905.7
155°	939.9	940.6	940.4	939.6	938.7	937.8	936.8
157.5°	967.1	967.8	967.6	966.4	965.2	963.9	962.8
160°	983.7	984.4	984.2	983.3	982.4	981.5	980.6
162.5°	999.2	1000.1	1000.0	999.0	997.9	996.9	995.8
165°	1019.9	1020.7	1020.5	1019.5	1018.3	1017.2	1016.1
167.5°	1035.8	1036.9	1036.9	1035.8	1034.6	1033.5	1032.3
170°	1045.1	1046.1	1046.0	1044.7	1043.5	1042.2	1040.9
172.5°	1051.7	1052.7	1052.7	1051.6	1050.4	1049.3	1048.1
175°	1059.1	1060.2	1060.1	1058.8	1057.5	1056.2	1054.9
177.5°	1062.3	1063.1	1063.0	1062.0	1060.9	1060.0	1058.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5

(END OF REPORT)