

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: P331562-927

Luminaire Tested: **S122DIW-S865D710U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331562-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S865D710U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4968.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

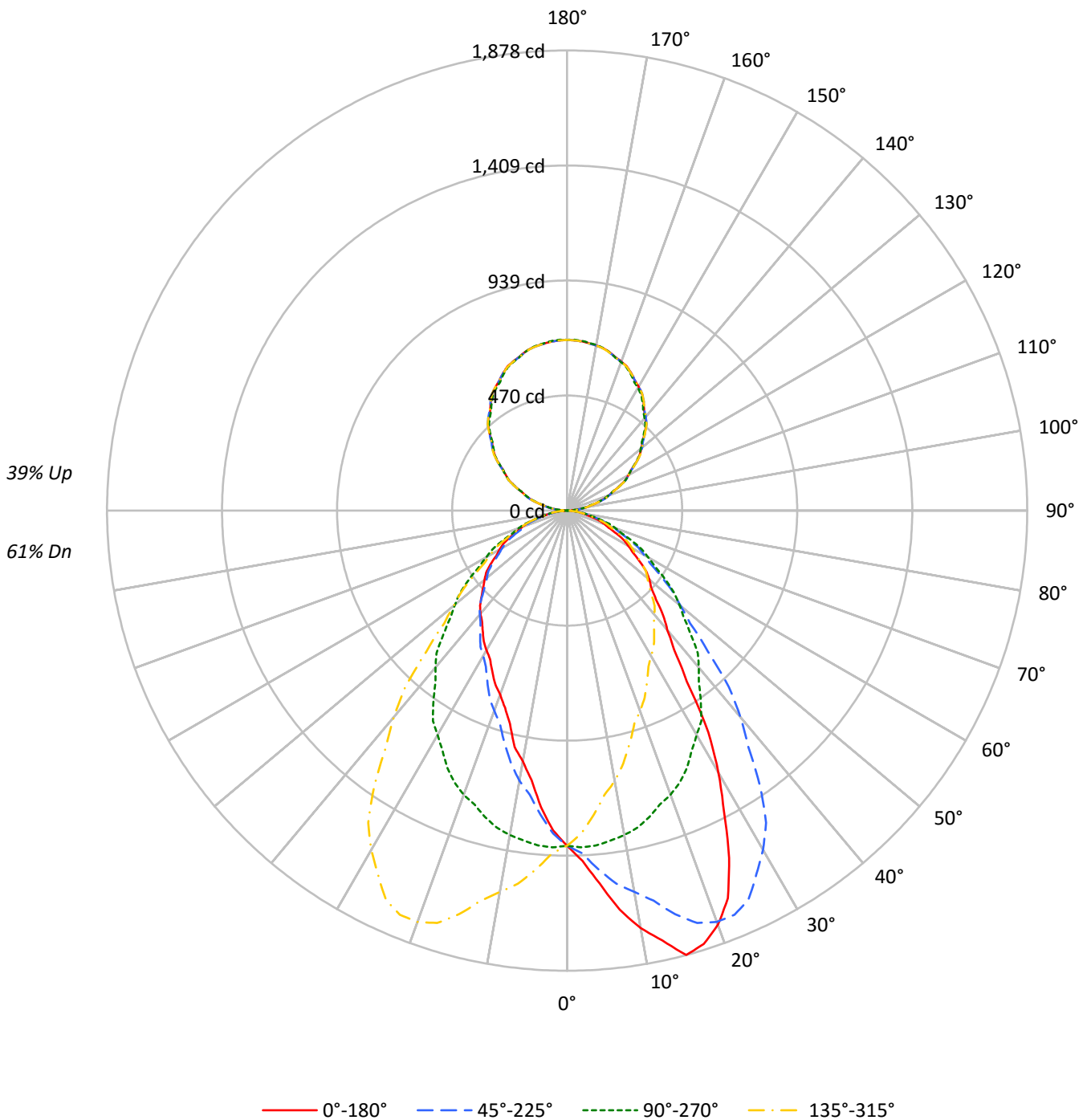
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	66	66	66	66	66	66	66	66	61																	
1	101	97	93	89	94	91	87	84	79	77	75	69	67	66	59	58	57	57	57	57	57	57	57	57	57	57	57	57	52																	
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	49	49	49	49	49	49	49	49	49	49	49	45																	
3	85	75	68	62	79	71	65	59	62	58	53	55	51	48	47	45	42	42	42	42	42	42	42	42	42	42	42	42	39																	
4	78	67	59	53	73	63	56	51	56	50	46	49	45	41	43	40	37	37	37	37	37	37	37	37	37	37	37	37	34																	
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	33	33	33	33	33	33	33	33	33	33	33	30																	
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	35	32	29	29	29	29	29	29	29	29	29	29	29	29	26																	
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	26	26	26	26	26	26	26	26	26	26	26	24																	
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	24	24	24	24	24	24	24	24	24	24	24	21																	
9	53	41	34	29	50	39	32	28	35	30	26	31	27	23	28	24	21	21	21	21	21	21	21	21	21	21	21	21	19																	
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	20	20	20	20	20	20	20	20	20	20	20	18																	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22083	22083	22083	22083
5°	24759	22227	19697	22227
10°	28370	22046	17046	22046
15°	31385	21641	15059	21641
20°	30907	21206	13728	21206
25°	27868	20630	12886	20630
30°	23029	19708	12269	19708
35°	16783	18743	11832	18743
40°	13405	17606	11590	17606
45°	11714	16287	11259	16287
50°	11012	15013	11037	15013
55°	10151	13717	10742	13717
60°	9300	12339	10285	12339
65°	8474	11106	9838	11106
70°	7695	9904	9182	9904
75°	6818	8559	8135	8559
80°	5867	7085	6546	7085
85°	5261	5261	3890	5261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.6
10°-20°	378.7	7.6
20°-30°	549.6	11.1
30°-40°	579.9	11.7
40°-50°	513.5	10.3
50°-60°	409.8	8.2
60°-70°	278.5	5.6
70°-80°	142.8	2.9
80°-90°	37.2	0.7
90°-100°	44.1	0.9
100°-110°	137.1	2.8
110°-120°	234.3	4.7
120°-130°	308.1	6.2
130°-140°	345.9	7.0
140°-150°	339.1	6.8
150°-160°	284.5	5.7
160°-170°	188.7	3.8
170°-180°	65.9	1.3
0°-30°	1058.5	21.3
0°-40°	1638.5	33.0
0°-60°	2561.8	51.6
0°-90°	3020.3	60.8
90°-120°	415.5	8.4
90°-150°	1408.7	28.4
90°-180°	1948.0	39.2
0°-180°	4968.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1368	1368	1368	1368	1368	
5°	1528	1371	1215	1371	1528	153
15°	1878	1295	901	1295	1878	518
25°	1564	1158	723	1158	1564	707
35°	852	951	600	951	852	554
45°	513	713	493	713	513	403
55°	361	487	382	487	361	323
65°	222	291	258	291	222	221
75°	109	137	130	137	109	117
85°	28	28	21	28	28	32
90°	20	1	20	1	20	10
95°	36	31	36	31	36	41
105°	130	126	130	126	130	137
115°	235	235	235	235	235	232
125°	343	342	343	342	343	306
135°	448	443	448	443	448	345
145°	543	537	543	537	543	339
155°	619	614	619	614	619	285
165°	669	668	669	668	669	189
175°	693	695	693	695	693	66
180°	697	697	697	697	697	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1430.8	1431.2	1432.1	1425.4	1424.5	1424.5	1418.6	1413.6	1407.7	1399.7	1400.6
5°	1527.6	1533.3	1535.4	1529.1	1519.6	1518.6	1509.7	1494.9	1481.3	1470.2	1462.4
7.5°	1643.0	1645.3	1640.1	1631.8	1624.8	1612.2	1595.5	1579.3	1556.5	1535.6	1520.0
10°	1730.4	1733.6	1724.7	1712.5	1702.6	1687.8	1663.7	1638.9	1609.0	1580.1	1557.0
12.5°	1796.9	1804.7	1793.2	1791.6	1774.5	1754.3	1725.5	1713.0	1670.9	1630.5	1605.8
15°	1877.6	1877.1	1878.2	1868.1	1855.5	1852.4	1821.9	1788.8	1729.4	1705.7	1664.8
17.5°	1854.3	1862.3	1866.0	1865.8	1865.5	1863.5	1853.8	1832.9	1803.1	1764.7	1717.4
20°	1798.8	1809.3	1810.8	1823.0	1829.8	1838.7	1842.4	1836.6	1818.2	1786.1	1745.2
22.5°	1713.0	1715.9	1720.9	1739.7	1754.5	1776.9	1788.6	1808.0	1800.9	1785.3	1751.0
25°	1564.3	1559.1	1577.5	1586.9	1621.1	1656.8	1682.6	1711.0	1736.2	1751.4	1741.5
27.5°	1385.8	1377.9	1405.5	1430.6	1458.3	1497.1	1537.2	1584.6	1624.1	1673.3	1690.3
30°	1235.2	1240.0	1266.3	1293.1	1335.1	1389.8	1435.0	1487.1	1543.3	1598.5	1636.9
32.5°	1072.9	1091.2	1107.8	1148.8	1185.9	1246.8	1313.0	1378.2	1448.3	1511.0	1570.4
35°	851.5	872.6	895.7	925.7	977.7	1038.2	1102.8	1190.6	1286.3	1372.0	1442.4
37.5°	716.8	713.4	726.7	748.3	790.4	839.2	913.7	1000.4	1113.0	1213.7	1313.0
40°	636.0	633.9	643.4	663.4	695.5	731.2	796.4	872.6	977.2	1100.2	1218.5
42.5°	580.5	581.8	587.0	601.1	623.1	652.5	701.3	766.2	862.0	977.8	1104.9
45°	513.0	516.7	522.5	529.3	541.9	566.1	593.4	639.7	715.4	812.1	937.2
47.5°	464.5	464.5	470.5	476.4	483.9	497.6	519.8	548.9	602.3	681.0	788.6
50°	438.4	434.7	438.9	443.6	451.5	461.0	475.7	503.0	538.8	602.4	692.3
52.5°	406.5	406.5	410.4	412.1	419.1	428.6	442.0	461.0	493.4	543.1	617.0
55°	360.6	363.2	365.4	368.4	374.8	381.6	392.1	404.7	430.0	467.3	522.0
57.5°	317.5	318.3	320.4	326.5	330.4	336.8	346.7	358.1	374.5	402.2	443.3
60°	288.0	288.0	292.2	294.9	300.2	306.4	314.3	325.3	340.1	362.7	395.9
62.5°	261.2	260.7	262.4	266.7	270.7	276.6	284.5	293.8	307.7	327.8	355.1
65°	221.8	220.8	223.9	225.0	229.2	235.0	241.3	251.3	262.3	277.0	301.2
67.5°	183.9	185.2	187.0	188.9	191.2	197.3	201.5	208.6	217.9	230.1	246.5
70°	163.0	163.0	163.0	164.5	167.7	170.9	175.1	180.9	189.7	200.3	215.0
72.5°	139.4	141.1	142.8	141.8	145.8	147.7	152.7	156.0	164.5	171.3	184.3
75°	109.3	109.3	109.3	111.9	113.5	115.1	118.3	121.4	125.6	134.0	140.9
77.5°	81.6	81.4	81.9	82.5	84.2	86.1	87.1	89.9	93.8	97.7	103.5
80°	63.1	64.2	64.6	65.7	65.7	66.8	67.3	71.0	73.6	76.2	79.9
82.5°	48.8	49.0	49.1	49.3	49.7	50.4	51.7	52.9	53.8	56.0	58.9
85°	28.4	27.9	27.9	28.9	28.4	28.4	29.5	30.5	30.5	31.0	32.6
87.5°	14.9	14.9	15.3	14.8	14.8	15.3	15.3	15.0	15.4	15.9	15.8
90°	20.0	19.9	19.7	19.6	19.5	19.6	19.8	20.0	20.3	20.6	17.7
92.5°	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8	18.8	18.7	18.0
95°	36.4	36.7	37.0	37.2	37.5	37.6	37.6	37.6	37.6	37.6	37.4
97.5°	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	62.7
100°	80.6	80.6	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	80.7
102.5°	100.3	100.4	100.5	100.7	100.8	100.8	100.7	100.6	100.5	100.4	99.9
105°	130.5	130.5	130.5	130.5	130.5	130.4	130.1	129.8	129.6	129.4	129.0
107.5°	159.0	159.5	160.2	160.7	161.4	161.6	161.5	161.4	161.3	161.2	161.2
110°	181.1	181.4	181.8	182.2	182.6	182.8	182.8	182.8	182.8	182.8	182.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	202.2	202.5	202.8	203.1	203.4	203.7	204.0	204.3	204.6	204.9	205.0
115°	235.1	235.5	235.9	236.3	236.7	236.9	237.1	237.3	237.3	237.5	237.7
117.5°	266.5	266.9	267.3	267.7	268.1	268.5	268.8	269.1	269.4	269.7	270.5
120°	288.6	289.0	289.4	289.8	290.2	290.4	290.4	290.4	290.4	290.4	291.4
122.5°	310.3	310.5	310.9	311.1	311.4	311.7	312.0	312.4	312.7	313.0	313.7
125°	343.3	343.4	343.6	343.7	343.8	344.0	344.4	344.8	345.2	345.6	346.0
127.5°	373.4	373.8	374.2	374.6	375.1	375.5	376.0	376.4	376.9	377.4	377.9
130°	395.1	395.5	396.1	396.6	397.1	397.5	397.8	398.1	398.3	398.5	398.8
132.5°	415.7	416.1	416.5	417.0	417.4	417.9	418.4	419.1	419.6	420.2	420.2
135°	447.9	448.3	448.7	449.1	449.5	449.8	449.9	450.0	450.1	450.3	450.0
137.5°	477.1	477.6	478.2	478.6	479.2	479.5	479.6	479.7	479.8	479.9	479.6
140°	497.3	497.8	498.4	498.9	499.4	499.6	499.6	499.6	499.6	499.6	499.0
142.5°	515.6	516.2	516.7	517.2	517.8	517.9	517.8	517.8	517.6	517.5	517.1
145°	543.2	543.7	544.2	544.7	545.3	545.4	545.3	545.2	545.0	544.9	544.2
147.5°	567.8	568.2	568.7	569.3	569.7	569.8	569.5	569.3	568.9	568.7	568.2
150°	583.8	584.2	584.5	584.9	585.3	585.3	584.9	584.5	584.2	583.8	583.2
152.5°	598.8	599.3	599.8	600.2	600.8	600.8	600.2	599.8	599.3	598.8	598.2
155°	619.0	619.4	619.8	620.2	620.6	620.4	619.8	619.1	618.5	617.8	617.4
157.5°	636.4	637.0	637.6	638.3	638.9	638.7	637.9	637.0	636.1	635.3	635.0
160°	647.2	647.8	648.2	648.8	649.3	649.2	648.4	647.6	646.8	646.0	645.9
162.5°	656.6	657.3	657.9	658.5	659.1	659.0	658.1	657.2	656.3	655.5	655.3
165°	669.0	669.6	670.3	670.9	671.6	671.5	670.5	669.6	668.7	667.8	667.8
167.5°	679.1	679.8	680.4	681.1	681.8	681.7	680.7	679.9	678.9	678.0	678.0
170°	684.2	685.0	685.8	686.6	687.4	687.3	686.4	685.5	684.6	683.7	683.8
172.5°	688.5	689.3	690.1	690.9	691.6	691.6	690.6	689.8	688.8	687.9	688.0
175°	693.1	693.9	694.7	695.4	696.2	696.2	695.2	694.3	693.4	692.4	692.8
177.5°	695.1	695.8	696.4	697.0	697.7	697.7	697.0	696.4	695.8	695.1	695.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1403.5	1400.1	1398.0	1390.4	1383.7	1377.0	1374.9	1375.7	1366.5	1357.6	1353.8
5°	1458.2	1447.6	1437.7	1423.5	1406.7	1388.2	1378.8	1371.4	1353.0	1333.1	1321.5
7.5°	1507.1	1492.1	1472.9	1446.2	1421.7	1392.7	1374.4	1358.0	1331.2	1303.0	1285.7
10°	1537.0	1516.5	1491.8	1459.2	1429.3	1394.0	1369.3	1344.7	1313.0	1279.5	1258.4
12.5°	1562.7	1535.0	1510.7	1468.9	1433.5	1389.4	1360.1	1325.2	1292.0	1252.1	1231.5
15°	1623.7	1572.7	1526.5	1479.2	1435.5	1374.0	1341.5	1294.7	1251.0	1201.7	1178.0
17.5°	1671.0	1613.7	1540.8	1480.7	1429.7	1361.7	1313.8	1257.7	1206.2	1149.7	1117.5
20°	1697.9	1632.1	1553.8	1482.3	1421.3	1343.5	1291.5	1234.2	1173.8	1110.2	1075.5
22.5°	1713.8	1644.7	1567.3	1476.0	1404.5	1328.8	1263.4	1200.6	1139.3	1070.6	1034.3
25°	1718.9	1655.8	1573.8	1470.8	1383.5	1297.8	1219.0	1158.0	1083.9	1019.8	966.7
27.5°	1693.8	1648.6	1569.8	1460.9	1359.2	1259.0	1171.2	1102.1	1023.9	954.3	900.9
30°	1663.2	1636.9	1560.1	1450.8	1339.9	1232.2	1135.4	1057.1	979.3	908.9	854.2
32.5°	1615.7	1610.0	1542.5	1436.5	1319.3	1198.1	1098.0	1018.8	932.6	863.4	811.3
35°	1522.3	1547.5	1504.9	1404.5	1280.5	1149.6	1041.3	950.9	861.6	795.3	746.4
37.5°	1397.2	1459.8	1448.7	1357.7	1228.1	1096.9	977.3	882.8	797.6	730.8	682.8
40°	1311.0	1390.8	1402.4	1322.0	1191.1	1056.1	929.4	835.3	752.2	691.3	642.9
42.5°	1218.5	1311.8	1343.5	1279.1	1150.7	1013.1	886.5	789.0	706.8	647.5	604.6
45°	1063.4	1186.9	1244.2	1207.4	1083.4	942.5	812.1	713.3	638.7	583.0	549.9
47.5°	918.4	1053.4	1130.4	1117.5	1008.4	868.9	740.0	645.2	572.5	528.1	498.4
50°	815.8	954.6	1047.6	1051.9	954.6	816.3	687.1	597.7	530.9	489.4	465.2
52.5°	726.7	859.1	960.6	982.9	894.5	761.7	639.5	550.6	491.8	453.6	432.0
55°	610.3	722.2	834.7	875.8	804.8	678.6	565.6	487.3	432.1	405.8	386.9
57.5°	507.4	600.7	704.6	749.9	706.2	598.2	492.2	424.2	379.4	356.4	341.9
60°	453.1	526.7	619.2	673.4	635.5	539.3	446.8	382.1	345.4	324.9	311.2
62.5°	402.7	467.9	546.1	595.6	575.0	484.3	401.4	344.3	312.5	293.3	283.4
65°	332.2	383.7	444.2	489.9	476.3	407.3	339.6	290.7	265.5	250.2	242.3
67.5°	273.5	310.8	352.7	392.8	381.8	333.0	278.5	240.4	221.7	208.5	203.7
70°	236.5	264.9	302.2	334.3	325.3	285.4	242.3	209.8	193.5	182.4	177.7
72.5°	201.2	224.6	253.0	279.2	273.2	240.0	204.1	179.4	166.9	156.8	152.9
75°	151.9	169.8	187.1	204.5	202.9	177.1	156.1	137.2	127.2	119.3	117.7
77.5°	112.2	122.2	134.0	144.3	141.4	126.7	110.2	99.3	92.0	86.7	85.9
80°	85.7	91.5	99.9	107.3	103.5	97.3	84.1	76.2	71.0	65.7	63.6
82.5°	62.1	67.9	73.0	76.9	74.1	68.2	60.1	54.7	51.7	48.0	47.2
85°	32.6	35.7	37.9	38.9	37.9	34.1	30.5	28.4	25.7	24.2	23.7
87.5°	15.6	15.0	14.4	14.8	13.2	12.9	10.9	9.3	9.3	9.2	8.6
90°	14.8	12.0	9.1	6.9	5.3	3.7	2.1	0.6	2.1	3.7	5.3
92.5°	17.3	16.6	16.0	15.1	13.9	12.8	11.6	10.5	11.6	12.8	13.9
95°	37.1	36.8	36.6	35.8	34.5	33.2	31.8	30.6	31.8	33.2	34.5
97.5°	62.3	61.8	61.2	60.4	59.3	58.1	57.0	55.8	57.0	58.1	59.3
100°	80.3	79.9	79.5	78.8	77.8	76.8	75.7	74.6	75.7	76.8	77.8
102.5°	99.4	98.9	98.4	97.8	96.9	96.1	95.2	94.4	95.2	96.1	96.9
105°	128.8	128.6	128.3	127.9	127.5	127.1	126.7	126.4	126.7	127.1	127.5
107.5°	161.2	161.2	161.2	160.9	160.3	159.8	159.1	158.6	159.1	159.8	160.3
110°	182.8	182.8	182.8	182.4	181.6	180.9	180.1	179.3	180.1	180.9	181.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	205.1	205.3	205.3	205.0	204.2	203.4	202.6	201.8	202.6	203.4	204.2
115°	238.0	238.3	238.5	238.3	237.5	236.7	235.9	235.1	235.9	236.7	237.5
117.5°	271.2	271.9	272.6	272.4	271.4	270.4	269.3	268.3	269.3	270.4	271.4
120°	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4	291.4	292.5	293.5
122.5°	314.4	315.1	315.9	315.6	314.3	313.1	311.9	310.6	311.9	313.1	314.3
125°	346.4	346.8	347.2	346.8	345.6	344.4	343.3	342.1	343.3	344.4	345.6
127.5°	378.3	378.8	379.3	378.7	377.2	375.8	374.3	372.8	374.3	375.8	377.2
130°	399.1	399.3	399.6	398.9	397.2	395.5	393.8	392.1	393.8	395.5	397.2
132.5°	420.1	420.0	420.0	419.2	417.9	416.5	415.1	413.8	415.1	416.5	417.9
135°	449.8	449.5	449.2	448.4	446.9	445.5	444.1	442.7	444.1	445.5	446.9
137.5°	479.3	478.9	478.6	477.8	476.7	475.5	474.3	473.1	474.3	475.5	476.7
140°	498.4	497.7	497.0	496.1	495.0	493.8	492.6	491.5	492.6	493.8	495.0
142.5°	516.7	516.2	515.8	514.9	513.8	512.6	511.4	510.2	511.4	512.6	513.8
145°	543.4	542.6	541.8	541.0	540.0	539.1	538.2	537.3	538.2	539.1	540.0
147.5°	567.6	567.1	566.6	565.8	564.7	563.6	562.4	561.4	562.4	563.6	564.7
150°	582.7	582.2	581.6	581.0	580.2	579.4	578.6	577.8	578.6	579.4	580.2
152.5°	597.5	596.9	596.3	595.6	594.8	594.0	593.2	592.4	593.2	594.0	594.8
155°	617.0	616.6	616.2	615.8	615.4	615.1	614.7	614.3	614.7	615.1	615.4
157.5°	634.8	634.5	634.3	634.1	633.7	633.5	633.3	633.0	633.3	633.5	633.7
160°	645.8	645.6	645.5	645.3	645.1	644.8	644.5	644.3	644.5	644.8	645.1
162.5°	655.2	655.1	654.9	654.8	654.7	654.7	654.7	654.6	654.7	654.7	654.7
165°	667.8	667.8	667.8	667.9	668.0	668.1	668.2	668.4	668.2	668.1	668.0
167.5°	678.0	678.1	678.1	678.3	678.7	679.1	679.5	679.9	679.5	679.1	678.7
170°	683.9	684.0	684.2	684.4	684.8	685.2	685.6	686.0	685.6	685.2	684.8
172.5°	688.2	688.2	688.4	688.6	689.0	689.4	689.8	690.2	689.8	689.4	689.0
175°	693.0	693.2	693.6	693.9	694.3	694.7	695.1	695.4	695.1	694.7	694.3
177.5°	695.6	695.8	696.0	696.2	696.6	696.9	697.2	697.5	697.2	696.9	696.6
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331562-927

CATALOG NUMBER: S122DIW-S865D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1349.6	1347.1	1338.3	1333.7	1326.1	1319.0	1314.3	1316.4	1318.1	1317.2	1316.1
5°	1311.0	1301.0	1285.7	1272.6	1263.1	1245.8	1238.4	1234.8	1231.6	1227.9	1224.2
7.5°	1265.0	1249.2	1227.2	1208.6	1190.9	1169.3	1157.1	1149.7	1142.2	1133.9	1126.5
10°	1232.2	1210.1	1186.9	1160.6	1139.6	1120.1	1102.8	1091.2	1080.8	1070.7	1063.4
12.5°	1197.6	1172.2	1143.6	1107.6	1084.5	1056.7	1054.0	1033.6	1017.2	1011.1	1002.4
15°	1142.8	1107.0	1070.7	1028.2	1009.8	984.5	968.8	953.0	938.8	928.8	926.2
17.5°	1080.5	1034.2	998.1	967.5	937.3	911.5	897.0	884.4	872.7	859.4	857.5
20°	1032.9	992.9	953.5	926.7	895.7	869.4	851.5	838.9	828.9	821.1	814.2
22.5°	987.9	944.2	908.1	878.8	848.2	827.0	812.9	800.7	792.3	783.6	777.2
25°	915.7	881.5	842.1	809.0	783.7	770.1	758.5	748.0	742.8	737.0	729.6
27.5°	852.5	814.5	777.7	752.0	729.8	717.7	709.6	702.3	697.4	694.0	689.8
30°	807.9	769.5	740.6	715.4	697.0	684.9	679.7	675.5	669.7	667.6	665.5
32.5°	765.0	730.5	705.8	683.9	666.3	658.5	653.6	649.8	645.3	643.2	639.0
35°	704.4	675.5	651.3	639.2	625.0	618.1	614.5	609.3	605.0	602.9	602.4
37.5°	647.3	622.2	606.3	590.7	584.7	580.5	575.5	571.9	570.6	570.3	569.8
40°	610.3	589.8	575.6	563.0	560.3	554.1	549.9	546.7	546.7	547.2	546.7
42.5°	576.6	558.3	545.7	534.8	531.7	528.0	523.8	523.6	524.4	526.2	524.4
45°	525.6	512.5	503.6	498.3	492.5	488.9	488.3	489.9	490.4	491.0	492.5
47.5°	478.8	470.0	461.9	456.1	453.6	453.0	452.3	455.1	457.6	458.6	461.0
50°	451.0	441.0	434.2	430.5	428.4	427.4	428.4	431.6	433.6	436.3	437.8
52.5°	419.9	412.8	408.1	405.3	404.4	405.0	405.3	408.8	412.3	413.1	413.9
55°	376.9	371.6	370.6	365.8	368.0	367.4	370.0	372.2	375.3	378.5	379.0
57.5°	334.0	329.8	326.9	327.4	328.0	330.3	332.6	336.2	339.6	342.9	343.3
60°	305.4	303.3	301.7	301.7	302.8	305.9	308.6	312.2	314.3	316.5	318.0
62.5°	279.3	277.3	275.7	276.5	279.2	281.1	284.2	286.1	288.3	290.3	291.1
65°	238.1	237.1	238.7	239.7	240.2	242.9	246.5	248.1	250.2	251.3	254.9
67.5°	200.2	200.3	200.2	201.6	204.7	205.3	208.8	212.5	212.9	214.9	217.3
70°	174.5	175.5	176.7	177.7	180.3	181.3	183.9	185.5	187.7	189.3	190.8
72.5°	151.0	151.1	152.3	152.0	154.2	156.5	158.8	160.3	162.4	164.5	166.0
75°	116.1	116.1	117.2	117.7	120.4	123.0	122.5	123.5	125.6	127.7	128.8
77.5°	84.8	83.7	84.8	85.4	86.2	88.4	88.8	90.3	92.7	92.0	93.2
80°	64.6	63.1	64.6	65.2	65.2	67.8	67.8	68.8	70.4	68.8	70.4
82.5°	46.2	45.4	46.6	46.7	47.5	47.6	48.5	48.6	50.2	49.5	50.2
85°	23.1	22.6	23.1	22.6	23.1	23.7	23.7	23.1	23.1	24.2	22.6
87.5°	8.6	8.6	8.7	9.3	9.4	9.6	9.1	9.0	9.0	8.1	8.1
90°	6.9	9.1	12.0	14.8	17.7	20.6	20.3	20.0	19.8	19.6	19.5
92.5°	15.1	16.0	16.6	17.3	18.0	18.7	18.8	18.8	18.9	18.9	18.9
95°	35.8	36.6	36.8	37.1	37.4	37.6	37.6	37.6	37.6	37.6	37.5
97.5°	60.4	61.2	61.8	62.3	62.7	63.2	63.2	63.2	63.2	63.2	63.2
100°	78.8	79.5	79.9	80.3	80.7	81.1	81.1	81.1	81.1	81.1	81.0
102.5°	97.8	98.4	98.9	99.4	99.9	100.4	100.5	100.6	100.7	100.8	100.8
105°	127.9	128.3	128.6	128.8	129.0	129.4	129.6	129.8	130.1	130.4	130.5
107.5°	160.9	161.2	161.2	161.2	161.2	161.2	161.3	161.4	161.5	161.6	161.4
110°	182.4	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	205.0	205.3	205.3	205.1	205.0	204.9	204.6	204.3	204.0	203.7	203.4
115°	238.3	238.5	238.3	238.0	237.7	237.5	237.3	237.3	237.1	236.9	236.7
117.5°	272.4	272.6	271.9	271.2	270.5	269.7	269.4	269.1	268.8	268.5	268.1
120°	294.5	294.5	293.5	292.5	291.4	290.4	290.4	290.4	290.4	290.4	290.2
122.5°	315.6	315.9	315.1	314.4	313.7	313.0	312.7	312.4	312.0	311.7	311.4
125°	346.8	347.2	346.8	346.4	346.0	345.6	345.2	344.8	344.4	344.0	343.8
127.5°	378.7	379.3	378.8	378.3	377.9	377.4	376.9	376.4	376.0	375.5	375.1
130°	398.9	399.6	399.3	399.1	398.8	398.5	398.3	398.1	397.8	397.5	397.1
132.5°	419.2	420.0	420.0	420.1	420.2	420.2	419.6	419.1	418.4	417.9	417.4
135°	448.4	449.2	449.5	449.8	450.0	450.3	450.1	450.0	449.9	449.8	449.5
137.5°	477.8	478.6	478.9	479.3	479.6	479.9	479.8	479.7	479.6	479.5	479.2
140°	496.1	497.0	497.7	498.4	499.0	499.6	499.6	499.6	499.6	499.6	499.4
142.5°	514.9	515.8	516.2	516.7	517.1	517.5	517.6	517.8	517.8	517.9	517.8
145°	541.0	541.8	542.6	543.4	544.2	544.9	545.0	545.2	545.3	545.4	545.3
147.5°	565.8	566.6	567.1	567.6	568.2	568.7	568.9	569.3	569.5	569.8	569.7
150°	581.0	581.6	582.2	582.7	583.2	583.8	584.2	584.5	584.9	585.3	585.3
152.5°	595.6	596.3	596.9	597.5	598.2	598.8	599.3	599.8	600.2	600.8	600.8
155°	615.8	616.2	616.6	617.0	617.4	617.8	618.5	619.1	619.8	620.4	620.6
157.5°	634.1	634.3	634.5	634.8	635.0	635.3	636.1	637.0	637.9	638.7	638.9
160°	645.3	645.5	645.6	645.8	645.9	646.0	646.8	647.6	648.4	649.2	649.3
162.5°	654.8	654.9	655.1	655.2	655.3	655.5	656.3	657.2	658.1	659.0	659.1
165°	667.9	667.8	667.8	667.8	667.8	667.8	668.7	669.6	670.5	671.5	671.6
167.5°	678.3	678.1	678.1	678.0	678.0	678.0	678.9	679.9	680.7	681.7	681.8
170°	684.4	684.2	684.0	683.9	683.8	683.7	684.6	685.5	686.4	687.3	687.4
172.5°	688.6	688.4	688.2	688.2	688.0	687.9	688.8	689.8	690.6	691.6	691.6
175°	693.9	693.6	693.2	693.0	692.8	692.4	693.4	694.3	695.2	696.2	696.2
177.5°	696.2	696.0	695.8	695.6	695.4	695.1	695.8	696.4	697.0	697.7	697.7
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331562-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1311.8	1311.0	1311.0	1307.2	1311.0	1311.0	1311.8	1316.1	1317.2	1318.1	1316.4
5°	1216.9	1215.3	1212.7	1215.3	1212.7	1215.3	1216.9	1224.2	1227.9	1231.6	1234.8
7.5°	1123.0	1116.7	1115.7	1109.5	1115.7	1116.7	1123.0	1126.5	1133.9	1142.2	1149.7
10°	1054.5	1050.3	1049.7	1039.7	1049.7	1050.3	1054.5	1063.4	1070.7	1080.8	1091.2
12.5°	1002.3	992.2	994.2	988.4	994.2	992.2	1002.3	1002.4	1011.1	1017.2	1033.6
15°	912.0	912.0	909.9	900.9	909.9	912.0	912.0	926.2	928.8	938.8	953.0
17.5°	847.2	846.1	841.1	843.6	841.1	846.1	847.2	857.5	859.4	872.7	884.4
20°	808.4	805.3	799.0	799.0	799.0	805.3	808.4	814.2	821.1	828.9	838.9
22.5°	771.9	771.7	764.9	767.0	764.9	771.7	771.9	777.2	783.6	792.3	800.7
25°	729.0	724.8	721.8	723.3	721.8	724.8	729.0	729.6	737.0	742.8	748.0
27.5°	688.5	686.2	686.0	681.7	686.0	686.2	688.5	689.8	694.0	697.4	702.3
30°	665.0	659.7	660.8	658.1	660.8	659.7	665.0	665.5	667.6	669.7	675.5
32.5°	638.0	636.1	635.1	632.9	635.1	636.1	638.0	639.0	643.2	645.3	649.8
35°	601.3	601.9	599.2	600.3	599.2	601.9	601.3	602.4	602.9	605.0	609.3
37.5°	569.3	570.9	569.7	570.1	569.7	570.9	569.3	569.8	570.3	570.6	571.9
40°	548.3	548.3	548.3	549.9	548.3	548.3	548.3	546.7	547.2	546.7	546.7
42.5°	528.1	527.2	526.4	526.2	526.4	527.2	528.1	524.4	526.2	524.4	523.6
45°	493.6	495.2	495.7	493.1	495.7	495.2	493.6	492.5	491.0	490.4	489.9
47.5°	462.4	462.6	462.4	464.7	462.4	462.6	462.4	461.0	458.6	457.6	455.1
50°	440.5	439.4	440.5	439.4	440.5	439.4	440.5	437.8	436.3	433.6	431.6
52.5°	417.4	417.6	416.9	416.8	416.9	417.6	417.4	413.9	413.1	412.3	408.8
55°	381.1	382.1	381.6	381.6	381.6	382.1	381.1	379.0	378.5	375.3	372.2
57.5°	343.6	344.5	345.2	342.9	345.2	344.5	343.6	343.3	342.9	339.6	336.2
60°	317.5	320.1	319.6	318.5	319.6	320.1	317.5	318.0	316.5	314.3	312.2
62.5°	293.5	294.5	294.4	294.1	294.4	294.5	293.5	291.1	290.3	288.3	286.1
65°	256.5	257.5	256.0	257.5	256.0	257.5	256.5	254.9	251.3	250.2	248.1
67.5°	216.7	217.0	218.2	218.9	218.2	217.0	216.7	217.3	214.9	212.9	212.5
70°	191.9	191.3	192.9	194.5	192.9	191.3	191.9	190.8	189.3	187.7	185.5
72.5°	165.8	166.9	166.4	167.5	166.4	166.9	165.8	166.0	164.5	162.4	160.3
75°	127.7	129.3	128.8	130.4	128.8	129.3	127.7	128.8	127.7	125.6	123.5
77.5°	92.3	92.5	92.3	93.2	92.3	92.5	92.3	93.2	92.0	92.7	90.3
80°	70.4	69.4	68.4	70.4	68.4	69.4	70.4	70.4	68.8	70.4	68.8
82.5°	49.0	49.6	48.6	48.6	48.6	49.6	49.0	50.2	49.5	50.2	48.6
85°	22.6	22.1	21.0	21.0	21.0	22.1	22.6	22.6	24.2	23.1	23.1
87.5°	8.2	7.8	7.8	7.4	7.8	7.8	8.2	8.1	8.1	9.0	9.0
90°	19.6	19.7	19.9	20.0	19.9	19.7	19.6	19.5	19.6	19.8	20.0
92.5°	18.9	19.0	19.0	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.8
95°	37.2	37.0	36.7	36.4	36.7	37.0	37.2	37.5	37.6	37.6	37.6
97.5°	63.2	63.2	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
100°	81.0	80.8	80.6	80.6	80.6	80.8	81.0	81.0	81.1	81.1	81.1
102.5°	100.7	100.5	100.4	100.3	100.4	100.5	100.7	100.8	100.8	100.7	100.6
105°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.4	130.1	129.8
107.5°	160.7	160.2	159.5	159.0	159.5	160.2	160.7	161.4	161.6	161.5	161.4
110°	182.2	181.8	181.4	181.1	181.4	181.8	182.2	182.6	182.8	182.8	182.8



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	203.1	202.8	202.5	202.2	202.5	202.8	203.1	203.4	203.7	204.0	204.3
115°	236.3	235.9	235.5	235.1	235.5	235.9	236.3	236.7	236.9	237.1	237.3
117.5°	267.7	267.3	266.9	266.5	266.9	267.3	267.7	268.1	268.5	268.8	269.1
120°	289.8	289.4	289.0	288.6	289.0	289.4	289.8	290.2	290.4	290.4	290.4
122.5°	311.1	310.9	310.5	310.3	310.5	310.9	311.1	311.4	311.7	312.0	312.4
125°	343.7	343.6	343.4	343.3	343.4	343.6	343.7	343.8	344.0	344.4	344.8
127.5°	374.6	374.2	373.8	373.4	373.8	374.2	374.6	375.1	375.5	376.0	376.4
130°	396.6	396.1	395.5	395.1	395.5	396.1	396.6	397.1	397.5	397.8	398.1
132.5°	417.0	416.5	416.1	415.7	416.1	416.5	417.0	417.4	417.9	418.4	419.1
135°	449.1	448.7	448.3	447.9	448.3	448.7	449.1	449.5	449.8	449.9	450.0
137.5°	478.6	478.2	477.6	477.1	477.6	478.2	478.6	479.2	479.5	479.6	479.7
140°	498.9	498.4	497.8	497.3	497.8	498.4	498.9	499.4	499.6	499.6	499.6
142.5°	517.2	516.7	516.2	515.6	516.2	516.7	517.2	517.8	517.9	517.8	517.8
145°	544.7	544.2	543.7	543.2	543.7	544.2	544.7	545.3	545.4	545.3	545.2
147.5°	569.3	568.7	568.2	567.8	568.2	568.7	569.3	569.7	569.8	569.5	569.3
150°	584.9	584.5	584.2	583.8	584.2	584.5	584.9	585.3	585.3	584.9	584.5
152.5°	600.2	599.8	599.3	598.8	599.3	599.8	600.2	600.8	600.8	600.2	599.8
155°	620.2	619.8	619.4	619.0	619.4	619.8	620.2	620.6	620.4	619.8	619.1
157.5°	638.3	637.6	637.0	636.4	637.0	637.6	638.3	638.9	638.7	637.9	637.0
160°	648.8	648.2	647.8	647.2	647.8	648.2	648.8	649.3	649.2	648.4	647.6
162.5°	658.5	657.9	657.3	656.6	657.3	657.9	658.5	659.1	659.0	658.1	657.2
165°	670.9	670.3	669.6	669.0	669.6	670.3	670.9	671.6	671.5	670.5	669.6
167.5°	681.1	680.4	679.8	679.1	679.8	680.4	681.1	681.8	681.7	680.7	679.9
170°	686.6	685.8	685.0	684.2	685.0	685.8	686.6	687.4	687.3	686.4	685.5
172.5°	690.9	690.1	689.3	688.5	689.3	690.1	690.9	691.6	691.6	690.6	689.8
175°	695.4	694.7	693.9	693.1	693.9	694.7	695.4	696.2	696.2	695.2	694.3
177.5°	697.0	696.4	695.8	695.1	695.8	696.4	697.0	697.7	697.7	697.0	696.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331562-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1314.3	1319.0	1326.1	1333.7	1338.3	1347.1	1349.6	1353.8	1357.6	1366.5	1375.7
5°	1238.4	1245.8	1263.1	1272.6	1285.7	1301.0	1311.0	1321.5	1333.1	1353.0	1371.4
7.5°	1157.1	1169.3	1190.9	1208.6	1227.2	1249.2	1265.0	1285.7	1303.0	1331.2	1358.0
10°	1102.8	1120.1	1139.6	1160.6	1186.9	1210.1	1232.2	1258.4	1279.5	1313.0	1344.7
12.5°	1054.0	1056.7	1084.5	1107.6	1143.6	1172.2	1197.6	1231.5	1252.1	1292.0	1325.2
15°	968.8	984.5	1009.8	1028.2	1070.7	1107.0	1142.8	1178.0	1201.7	1251.0	1294.7
17.5°	897.0	911.5	937.3	967.5	998.1	1034.2	1080.5	1117.5	1149.7	1206.2	1257.7
20°	851.5	869.4	895.7	926.7	953.5	992.9	1032.9	1075.5	1110.2	1173.8	1234.2
22.5°	812.9	827.0	848.2	878.8	908.1	944.2	987.9	1034.3	1070.6	1139.3	1200.6
25°	758.5	770.1	783.7	809.0	842.1	881.5	915.7	966.7	1019.8	1083.9	1158.0
27.5°	709.6	717.7	729.8	752.0	777.7	814.5	852.5	900.9	954.3	1023.9	1102.1
30°	679.7	684.9	697.0	715.4	740.6	769.5	807.9	854.2	908.9	979.3	1057.1
32.5°	653.6	658.5	666.3	683.9	705.8	730.5	765.0	811.3	863.4	932.6	1018.8
35°	614.5	618.1	625.0	639.2	651.3	675.5	704.4	746.4	795.3	861.6	950.9
37.5°	575.5	580.5	584.7	590.7	606.3	622.2	647.3	682.8	730.8	797.6	882.8
40°	549.9	554.1	560.3	563.0	575.6	589.8	610.3	642.9	691.3	752.2	835.3
42.5°	523.8	528.0	531.7	534.8	545.7	558.3	576.6	604.6	647.5	706.8	789.0
45°	488.3	488.9	492.5	498.3	503.6	512.5	525.6	549.9	583.0	638.7	713.3
47.5°	452.3	453.0	453.6	456.1	461.9	470.0	478.8	498.4	528.1	572.5	645.2
50°	428.4	427.4	428.4	430.5	434.2	441.0	451.0	465.2	489.4	530.9	597.7
52.5°	405.3	405.0	404.4	405.3	408.1	412.8	419.9	432.0	453.6	491.8	550.6
55°	370.0	367.4	368.0	365.8	370.6	371.6	376.9	386.9	405.8	432.1	487.3
57.5°	332.6	330.3	328.0	327.4	326.9	329.8	334.0	341.9	356.4	379.4	424.2
60°	308.6	305.9	302.8	301.7	301.7	303.3	305.4	311.2	324.9	345.4	382.1
62.5°	284.2	281.1	279.2	276.5	275.7	277.3	279.3	283.4	293.3	312.5	344.3
65°	246.5	242.9	240.2	239.7	238.7	237.1	238.1	242.3	250.2	265.5	290.7
67.5°	208.8	205.3	204.7	201.6	200.2	200.3	200.2	203.7	208.5	221.7	240.4
70°	183.9	181.3	180.3	177.7	176.7	175.5	174.5	177.7	182.4	193.5	209.8
72.5°	158.8	156.5	154.2	152.0	152.3	151.1	151.0	152.9	156.8	166.9	179.4
75°	122.5	123.0	120.4	117.7	117.2	116.1	116.1	117.7	119.3	127.2	137.2
77.5°	88.8	88.4	86.2	85.4	84.8	83.7	84.8	85.9	86.7	92.0	99.3
80°	67.8	67.8	65.2	65.2	64.6	63.1	64.6	63.6	65.7	71.0	76.2
82.5°	48.5	47.6	47.5	46.7	46.6	45.4	46.2	47.2	48.0	51.7	54.7
85°	23.7	23.7	23.1	22.6	23.1	22.6	23.1	23.7	24.2	25.7	28.4
87.5°	9.1	9.6	9.4	9.3	8.7	8.6	8.6	8.6	9.2	9.3	9.3
90°	20.3	20.6	17.7	14.8	12.0	9.1	6.9	5.3	3.7	2.1	0.6
92.5°	18.8	18.7	18.0	17.3	16.6	16.0	15.1	13.9	12.8	11.6	10.5
95°	37.6	37.6	37.4	37.1	36.8	36.6	35.8	34.5	33.2	31.8	30.6
97.5°	63.2	63.2	62.7	62.3	61.8	61.2	60.4	59.3	58.1	57.0	55.8
100°	81.1	81.1	80.7	80.3	79.9	79.5	78.8	77.8	76.8	75.7	74.6
102.5°	100.5	100.4	99.9	99.4	98.9	98.4	97.8	96.9	96.1	95.2	94.4
105°	129.6	129.4	129.0	128.8	128.6	128.3	127.9	127.5	127.1	126.7	126.4
107.5°	161.3	161.2	161.2	161.2	161.2	161.2	160.9	160.3	159.8	159.1	158.6
110°	182.8	182.8	182.8	182.8	182.8	182.8	182.4	181.6	180.9	180.1	179.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	204.6	204.9	205.0	205.1	205.3	205.3	205.0	204.2	203.4	202.6	201.8
115°	237.3	237.5	237.7	238.0	238.3	238.5	238.3	237.5	236.7	235.9	235.1
117.5°	269.4	269.7	270.5	271.2	271.9	272.6	272.4	271.4	270.4	269.3	268.3
120°	290.4	290.4	291.4	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4
122.5°	312.7	313.0	313.7	314.4	315.1	315.9	315.6	314.3	313.1	311.9	310.6
125°	345.2	345.6	346.0	346.4	346.8	347.2	346.8	345.6	344.4	343.3	342.1
127.5°	376.9	377.4	377.9	378.3	378.8	379.3	378.7	377.2	375.8	374.3	372.8
130°	398.3	398.5	398.8	399.1	399.3	399.6	398.9	397.2	395.5	393.8	392.1
132.5°	419.6	420.2	420.2	420.1	420.0	420.0	419.2	417.9	416.5	415.1	413.8
135°	450.1	450.3	450.0	449.8	449.5	449.2	448.4	446.9	445.5	444.1	442.7
137.5°	479.8	479.9	479.6	479.3	478.9	478.6	477.8	476.7	475.5	474.3	473.1
140°	499.6	499.6	499.0	498.4	497.7	497.0	496.1	495.0	493.8	492.6	491.5
142.5°	517.6	517.5	517.1	516.7	516.2	515.8	514.9	513.8	512.6	511.4	510.2
145°	545.0	544.9	544.2	543.4	542.6	541.8	541.0	540.0	539.1	538.2	537.3
147.5°	568.9	568.7	568.2	567.6	567.1	566.6	565.8	564.7	563.6	562.4	561.4
150°	584.2	583.8	583.2	582.7	582.2	581.6	581.0	580.2	579.4	578.6	577.8
152.5°	599.3	598.8	598.2	597.5	596.9	596.3	595.6	594.8	594.0	593.2	592.4
155°	618.5	617.8	617.4	617.0	616.6	616.2	615.8	615.4	615.1	614.7	614.3
157.5°	636.1	635.3	635.0	634.8	634.5	634.3	634.1	633.7	633.5	633.3	633.0
160°	646.8	646.0	645.9	645.8	645.6	645.5	645.3	645.1	644.8	644.5	644.3
162.5°	656.3	655.5	655.3	655.2	655.1	654.9	654.8	654.7	654.7	654.7	654.6
165°	668.7	667.8	667.8	667.8	667.8	667.8	667.9	668.0	668.1	668.2	668.4
167.5°	678.9	678.0	678.0	678.0	678.1	678.1	678.3	678.7	679.1	679.5	679.9
170°	684.6	683.7	683.8	683.9	684.0	684.2	684.4	684.8	685.2	685.6	686.0
172.5°	688.8	687.9	688.0	688.2	688.2	688.4	688.6	689.0	689.4	689.8	690.2
175°	693.4	692.4	692.8	693.0	693.2	693.6	693.9	694.3	694.7	695.1	695.4
177.5°	695.8	695.1	695.4	695.6	695.8	696.0	696.2	696.6	696.9	697.2	697.5
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



TEST NUMBER: P331562-927

CATALOG NUMBER: S122DIW-S865D710U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1374.9	1377.0	1383.7	1390.4	1398.0	1400.1	1403.5	1400.6	1399.7	1407.7	1413.6
5°	1378.8	1388.2	1406.7	1423.5	1437.7	1447.6	1458.2	1462.4	1470.2	1481.3	1494.9
7.5°	1374.4	1392.7	1421.7	1446.2	1472.9	1492.1	1507.1	1520.0	1535.6	1556.5	1579.3
10°	1369.3	1394.0	1429.3	1459.2	1491.8	1516.5	1537.0	1557.0	1580.1	1609.0	1638.9
12.5°	1360.1	1389.4	1433.5	1468.9	1510.7	1535.0	1562.7	1605.8	1630.5	1670.9	1713.0
15°	1341.5	1374.0	1435.5	1479.2	1526.5	1572.7	1623.7	1664.8	1705.7	1729.4	1788.8
17.5°	1313.8	1361.7	1429.7	1480.7	1540.8	1613.7	1671.0	1717.4	1764.7	1803.1	1832.9
20°	1291.5	1343.5	1421.3	1482.3	1553.8	1632.1	1697.9	1745.2	1786.1	1818.2	1836.6
22.5°	1263.4	1328.8	1404.5	1476.0	1567.3	1644.7	1713.8	1751.0	1785.3	1800.9	1808.0
25°	1219.0	1297.8	1383.5	1470.8	1573.8	1655.8	1718.9	1741.5	1751.4	1736.2	1711.0
27.5°	1171.2	1259.0	1359.2	1460.9	1569.8	1648.6	1693.8	1690.3	1673.3	1624.1	1584.6
30°	1135.4	1232.2	1339.9	1450.8	1560.1	1636.9	1663.2	1636.9	1598.5	1543.3	1487.1
32.5°	1098.0	1198.1	1319.3	1436.5	1542.5	1610.0	1615.7	1570.4	1511.0	1448.3	1378.2
35°	1041.3	1149.6	1280.5	1404.5	1504.9	1547.5	1522.3	1442.4	1372.0	1286.3	1190.6
37.5°	977.3	1096.9	1228.1	1357.7	1448.7	1459.8	1397.2	1313.0	1213.7	1113.0	1000.4
40°	929.4	1056.1	1191.1	1322.0	1402.4	1390.8	1311.0	1218.5	1100.2	977.2	872.6
42.5°	886.5	1013.1	1150.7	1279.1	1343.5	1311.8	1218.5	1104.9	977.8	862.0	766.2
45°	812.1	942.5	1083.4	1207.4	1244.2	1186.9	1063.4	937.2	812.1	715.4	639.7
47.5°	740.0	868.9	1008.4	1117.5	1130.4	1053.4	918.4	788.6	681.0	602.3	548.9
50°	687.1	816.3	954.6	1051.9	1047.6	954.6	815.8	692.3	602.4	538.8	503.0
52.5°	639.5	761.7	894.5	982.9	960.6	859.1	726.7	617.0	543.1	493.4	461.0
55°	565.6	678.6	804.8	875.8	834.7	722.2	610.3	522.0	467.3	430.0	404.7
57.5°	492.2	598.2	706.2	749.9	704.6	600.7	507.4	443.3	402.2	374.5	358.1
60°	446.8	539.3	635.5	673.4	619.2	526.7	453.1	395.9	362.7	340.1	325.3
62.5°	401.4	484.3	575.0	595.6	546.1	467.9	402.7	355.1	327.8	307.7	293.8
65°	339.6	407.3	476.3	489.9	444.2	383.7	332.2	301.2	277.0	262.3	251.3
67.5°	278.5	333.0	381.8	392.8	352.7	310.8	273.5	246.5	230.1	217.9	208.6
70°	242.3	285.4	325.3	334.3	302.2	264.9	236.5	215.0	200.3	189.7	180.9
72.5°	204.1	240.0	273.2	279.2	253.0	224.6	201.2	184.3	171.3	164.5	156.0
75°	156.1	177.1	202.9	204.5	187.1	169.8	151.9	140.9	134.0	125.6	121.4
77.5°	110.2	126.7	141.4	144.3	134.0	122.2	112.2	103.5	97.7	93.8	89.9
80°	84.1	97.3	103.5	107.3	99.9	91.5	85.7	79.9	76.2	73.6	71.0
82.5°	60.1	68.2	74.1	76.9	73.0	67.9	62.1	58.9	56.0	53.8	52.9
85°	30.5	34.1	37.9	38.9	37.9	35.7	32.6	32.6	31.0	30.5	30.5
87.5°	10.9	12.9	13.2	14.8	14.4	15.0	15.6	15.8	15.9	15.4	15.0
90°	2.1	3.7	5.3	6.9	9.1	12.0	14.8	17.7	20.6	20.3	20.0
92.5°	11.6	12.8	13.9	15.1	16.0	16.6	17.3	18.0	18.7	18.8	18.8
95°	31.8	33.2	34.5	35.8	36.6	36.8	37.1	37.4	37.6	37.6	37.6
97.5°	57.0	58.1	59.3	60.4	61.2	61.8	62.3	62.7	63.2	63.2	63.2
100°	75.7	76.8	77.8	78.8	79.5	79.9	80.3	80.7	81.1	81.1	81.1
102.5°	95.2	96.1	96.9	97.8	98.4	98.9	99.4	99.9	100.4	100.5	100.6
105°	126.7	127.1	127.5	127.9	128.3	128.6	128.8	129.0	129.4	129.6	129.8
107.5°	159.1	159.8	160.3	160.9	161.2	161.2	161.2	161.2	161.2	161.3	161.4
110°	180.1	180.9	181.6	182.4	182.8	182.8	182.8	182.8	182.8	182.8	182.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	202.6	203.4	204.2	205.0	205.3	205.3	205.1	205.0	204.9	204.6	204.3
115°	235.9	236.7	237.5	238.3	238.5	238.3	238.0	237.7	237.5	237.3	237.3
117.5°	269.3	270.4	271.4	272.4	272.6	271.9	271.2	270.5	269.7	269.4	269.1
120°	291.4	292.5	293.5	294.5	294.5	293.5	292.5	291.4	290.4	290.4	290.4
122.5°	311.9	313.1	314.3	315.6	315.9	315.1	314.4	313.7	313.0	312.7	312.4
125°	343.3	344.4	345.6	346.8	347.2	346.8	346.4	346.0	345.6	345.2	344.8
127.5°	374.3	375.8	377.2	378.7	379.3	378.8	378.3	377.9	377.4	376.9	376.4
130°	393.8	395.5	397.2	398.9	399.6	399.3	399.1	398.8	398.5	398.3	398.1
132.5°	415.1	416.5	417.9	419.2	420.0	420.0	420.1	420.2	420.2	419.6	419.1
135°	444.1	445.5	446.9	448.4	449.2	449.5	449.8	450.0	450.3	450.1	450.0
137.5°	474.3	475.5	476.7	477.8	478.6	478.9	479.3	479.6	479.9	479.8	479.7
140°	492.6	493.8	495.0	496.1	497.0	497.7	498.4	499.0	499.6	499.6	499.6
142.5°	511.4	512.6	513.8	514.9	515.8	516.2	516.7	517.1	517.5	517.6	517.8
145°	538.2	539.1	540.0	541.0	541.8	542.6	543.4	544.2	544.9	545.0	545.2
147.5°	562.4	563.6	564.7	565.8	566.6	567.1	567.6	568.2	568.7	568.9	569.3
150°	578.6	579.4	580.2	581.0	581.6	582.2	582.7	583.2	583.8	584.2	584.5
152.5°	593.2	594.0	594.8	595.6	596.3	596.9	597.5	598.2	598.8	599.3	599.8
155°	614.7	615.1	615.4	615.8	616.2	616.6	617.0	617.4	617.8	618.5	619.1
157.5°	633.3	633.5	633.7	634.1	634.3	634.5	634.8	635.0	635.3	636.1	637.0
160°	644.5	644.8	645.1	645.3	645.5	645.6	645.8	645.9	646.0	646.8	647.6
162.5°	654.7	654.7	654.7	654.8	654.9	655.1	655.2	655.3	655.5	656.3	657.2
165°	668.2	668.1	668.0	667.9	667.8	667.8	667.8	667.8	667.8	668.7	669.6
167.5°	679.5	679.1	678.7	678.3	678.1	678.1	678.0	678.0	678.0	678.9	679.9
170°	685.6	685.2	684.8	684.4	684.2	684.0	683.9	683.8	683.7	684.6	685.5
172.5°	689.8	689.4	689.0	688.6	688.4	688.2	688.2	688.0	687.9	688.8	689.8
175°	695.1	694.7	694.3	693.9	693.6	693.2	693.0	692.8	692.4	693.4	694.3
177.5°	697.2	696.9	696.6	696.2	696.0	695.8	695.6	695.4	695.1	695.8	696.4
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6	696.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1418.6	1424.5	1424.5	1425.4	1432.1	1431.2	1430.8
5°	1509.7	1518.6	1519.6	1529.1	1535.4	1533.3	1527.6
7.5°	1595.5	1612.2	1624.8	1631.8	1640.1	1645.3	1643.0
10°	1663.7	1687.8	1702.6	1712.5	1724.7	1733.6	1730.4
12.5°	1725.5	1754.3	1774.5	1791.6	1793.2	1804.7	1796.9
15°	1821.9	1852.4	1855.5	1868.1	1878.2	1877.1	1877.6
17.5°	1853.8	1863.5	1865.5	1865.8	1866.0	1862.3	1854.3
20°	1842.4	1838.7	1829.8	1823.0	1810.8	1809.3	1798.8
22.5°	1788.6	1776.9	1754.5	1739.7	1720.9	1715.9	1713.0
25°	1682.6	1656.8	1621.1	1586.9	1577.5	1559.1	1564.3
27.5°	1537.2	1497.1	1458.3	1430.6	1405.5	1377.9	1385.8
30°	1435.0	1389.8	1335.1	1293.1	1266.3	1240.0	1235.2
32.5°	1313.0	1246.8	1185.9	1148.8	1107.8	1091.2	1072.9
35°	1102.8	1038.2	977.7	925.7	895.7	872.6	851.5
37.5°	913.7	839.2	790.4	748.3	726.7	713.4	716.8
40°	796.4	731.2	695.5	663.4	643.4	633.9	636.0
42.5°	701.3	652.5	623.1	601.1	587.0	581.8	580.5
45°	593.4	566.1	541.9	529.3	522.5	516.7	513.0
47.5°	519.8	497.6	483.9	476.4	470.5	464.5	464.5
50°	475.7	461.0	451.5	443.6	438.9	434.7	438.4
52.5°	442.0	428.6	419.1	412.1	410.4	406.5	406.5
55°	392.1	381.6	374.8	368.4	365.4	363.2	360.6
57.5°	346.7	336.8	330.4	326.5	320.4	318.3	317.5
60°	314.3	306.4	300.2	294.9	292.2	288.0	288.0
62.5°	284.5	276.6	270.7	266.7	262.4	260.7	261.2
65°	241.3	235.0	229.2	225.0	223.9	220.8	221.8
67.5°	201.5	197.3	191.2	188.9	187.0	185.2	183.9
70°	175.1	170.9	167.7	164.5	163.0	163.0	163.0
72.5°	152.7	147.7	145.8	141.8	142.8	141.1	139.4
75°	118.3	115.1	113.5	111.9	109.3	109.3	109.3
77.5°	87.1	86.1	84.2	82.5	81.9	81.4	81.6
80°	67.3	66.8	65.7	65.7	64.6	64.2	63.1
82.5°	51.7	50.4	49.7	49.3	49.1	49.0	48.8
85°	29.5	28.4	28.4	28.9	27.9	27.9	28.4
87.5°	15.3	15.3	14.8	14.8	15.3	14.9	14.9
90°	19.8	19.6	19.5	19.6	19.7	19.9	20.0
92.5°	18.9	18.9	18.9	18.9	19.0	19.0	19.0
95°	37.6	37.6	37.5	37.2	37.0	36.7	36.4
97.5°	63.2	63.2	63.2	63.2	63.2	63.1	63.1
100°	81.1	81.1	81.0	81.0	80.8	80.6	80.6
102.5°	100.7	100.8	100.8	100.7	100.5	100.4	100.3
105°	130.1	130.4	130.5	130.5	130.5	130.5	130.5
107.5°	161.5	161.6	161.4	160.7	160.2	159.5	159.0
110°	182.8	182.8	182.6	182.2	181.8	181.4	181.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	204.0	203.7	203.4	203.1	202.8	202.5	202.2
115°	237.1	236.9	236.7	236.3	235.9	235.5	235.1
117.5°	268.8	268.5	268.1	267.7	267.3	266.9	266.5
120°	290.4	290.4	290.2	289.8	289.4	289.0	288.6
122.5°	312.0	311.7	311.4	311.1	310.9	310.5	310.3
125°	344.4	344.0	343.8	343.7	343.6	343.4	343.3
127.5°	376.0	375.5	375.1	374.6	374.2	373.8	373.4
130°	397.8	397.5	397.1	396.6	396.1	395.5	395.1
132.5°	418.4	417.9	417.4	417.0	416.5	416.1	415.7
135°	449.9	449.8	449.5	449.1	448.7	448.3	447.9
137.5°	479.6	479.5	479.2	478.6	478.2	477.6	477.1
140°	499.6	499.6	499.4	498.9	498.4	497.8	497.3
142.5°	517.8	517.9	517.8	517.2	516.7	516.2	515.6
145°	545.3	545.4	545.3	544.7	544.2	543.7	543.2
147.5°	569.5	569.8	569.7	569.3	568.7	568.2	567.8
150°	584.9	585.3	585.3	584.9	584.5	584.2	583.8
152.5°	600.2	600.8	600.8	600.2	599.8	599.3	598.8
155°	619.8	620.4	620.6	620.2	619.8	619.4	619.0
157.5°	637.9	638.7	638.9	638.3	637.6	637.0	636.4
160°	648.4	649.2	649.3	648.8	648.2	647.8	647.2
162.5°	658.1	659.0	659.1	658.5	657.9	657.3	656.6
165°	670.5	671.5	671.6	670.9	670.3	669.6	669.0
167.5°	680.7	681.7	681.8	681.1	680.4	679.8	679.1
170°	686.4	687.3	687.4	686.6	685.8	685.0	684.2
172.5°	690.6	691.6	691.6	690.9	690.1	689.3	688.5
175°	695.2	696.2	696.2	695.4	694.7	693.9	693.1
177.5°	697.0	697.7	697.7	697.0	696.4	695.8	695.1
180°	696.6	696.6	696.6	696.6	696.6	696.6	696.6

(END OF REPORT)