

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: P333443-930

Luminaire Tested: **S125DIW-S1090D1050U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333443-930
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-S1090D1050U930-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 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: 6622.9 lumens
Efficiency: N/A
Efficacy: 108.2 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

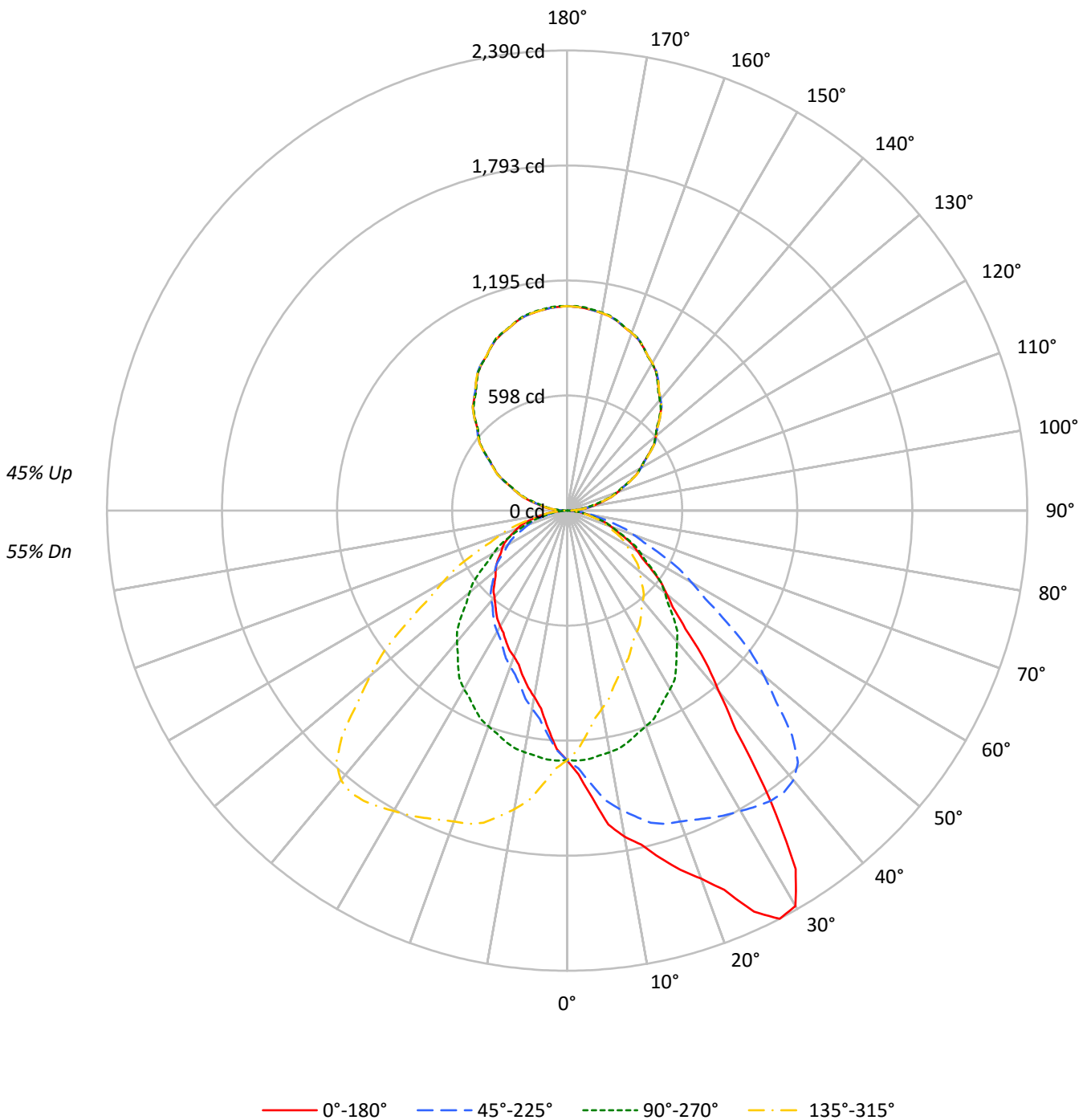
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	74	71	65	63	61	54	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29	25
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	25	31	26	23	26	23	20	18
9	51	39	32	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	16	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.9
10°-20°	371.6	5.6
20°-30°	603.4	9.1
30°-40°	736.0	11.1
40°-50°	669.6	10.1
50°-60°	533.4	8.1
60°-70°	371.5	5.6
70°-80°	198.1	3.0
80°-90°	52.3	0.8
90°-100°	71.1	1.1
100°-110°	210.0	3.2
110°-120°	355.6	5.4
120°-130°	468.0	7.1
130°-140°	524.4	7.9
140°-150°	514.0	7.8
150°-160°	431.7	6.5
160°-170°	287.0	4.3
170°-180°	100.4	1.5
0°-30°	1099.8	16.6
0°-40°	1835.9	27.7
0°-60°	3038.8	45.9
0°-90°	3660.7	55.3
90°-120°	636.7	9.6
90°-150°	2143.1	32.4
90°-180°	2962.0	44.7
0°-180°	6622.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	42
90°	20	1	20	1	20	13
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°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	14.5	15.3	15.7	15.5	15.8	15.7	17.3	17.1	18.3	19.4	20.9
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°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	21.5	20.4	18.3	16.7	14.3	12.6	11.9	12.1	11.0	10.8	11.6
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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	12.3	13.5	13.3	14.0	14.3	15.4	15.2	17.1	18.2	19.2	18.9
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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	19.9	19.6	19.7	20.7	19.7	19.6	19.9	18.9	19.2	18.2	17.1
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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	15.2	15.4	14.3	14.0	13.3	13.5	12.3	11.6	10.8	11.0	12.1
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: P333443-930

CATALOG NUMBER: S125DIW-S1090D1050U930-4F0-1E-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: P333443-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	11.9	12.6	14.3	16.7	18.3	20.4	21.5	20.9	19.4	18.3	17.1
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°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	17.3	15.7	15.8	15.5	15.7	15.3	14.5
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)