

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: P333430

Luminaire Tested: **S125DIW-S1090D470U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333430
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1090D470U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6362.5 lumens
Efficiency: N/A
Efficacy: 137.7 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: Semi-Direct

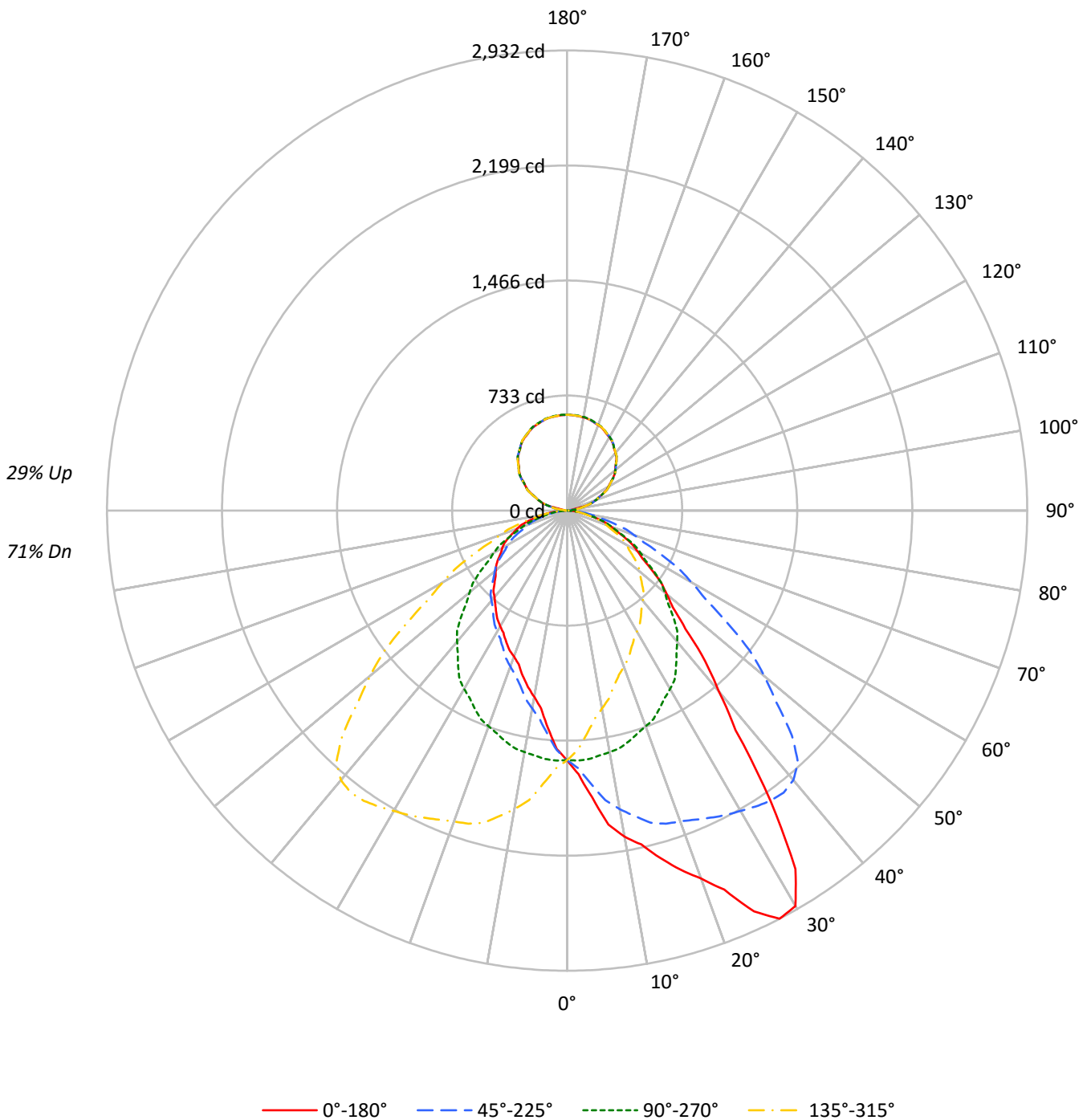
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64	60
2	94	86	80	75	89	82	76	72	74	69	66	66	63	60	59	57	54	51
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	49	47	43
4	79	68	60	53	74	64	57	51	58	52	48	53	48	44	47	43	40	37
5	72	60	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	33
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	34	31	29
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28	25
8	57	45	37	31	54	43	36	30	39	33	29	36	31	27	33	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	24	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10270	10270	10270	10270
5°	11893	10305	9022	10305
10°	13837	10251	7906	10251
15°	15317	10176	7293	10176
20°	17145	10057	6801	10057
25°	20085	9922	6560	9922
30°	21694	9790	6352	9790
35°	17837	9541	6215	9541
40°	12678	9195	6066	9195
45°	9740	8729	5980	8729
50°	8314	8151	5968	8151
55°	7402	7585	6019	7585
60°	6678	6966	6173	6966
65°	6168	6343	6333	6343
70°	5608	5697	6424	5697
75°	4951	5018	6366	5018
80°	4166	4091	5824	4091
85°	3298	2949	4698	2949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	2.4
10°-20°	455.8	7.2
20°-30°	740.1	11.6
30°-40°	902.8	14.2
40°-50°	821.3	12.9
50°-60°	654.2	10.3
60°-70°	455.6	7.2
70°-80°	243.0	3.8
80°-90°	62.6	1.0
90°-100°	22.2	0.3
100°-110°	136.7	2.1
110°-120°	247.9	3.9
120°-130°	318.1	5.0
130°-140°	342.2	5.4
140°-150°	321.2	5.0
150°-160°	259.8	4.1
160°-170°	168.0	2.6
170°-180°	58.0	0.9
0°-30°	1349.0	21.2
0°-40°	2251.8	35.4
0°-60°	3727.3	58.6
0°-90°	4488.5	70.5
90°-120°	406.7	6.4
90°-150°	1388.2	21.8
90°-180°	1874.0	29.5
0°-180°	6362.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1834	1590	1392	1590	1834	185
15°	2291	1522	1091	1522	2291	656
25°	2819	1392	921	1392	2819	1287
35°	2262	1210	788	1210	2262	1385
45°	1066	956	655	956	1066	854
55°	657	674	535	674	657	592
65°	404	415	414	415	404	401
75°	198	201	255	201	198	214
85°	44	40	63	40	44	52
90°	11	0	11	0	11	6
95°	10	26	10	26	10	8
105°	134	133	134	133	134	121
115°	248	250	248	250	248	246
125°	355	355	355	355	355	316
135°	441	443	441	443	441	340
145°	512	514	512	514	512	320
155°	561	566	561	566	561	259
165°	594	597	594	597	594	168
175°	608	610	608	610	608	58
180°	610	610	610	610	610	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1682.0	1679.8	1677.7	1673.3	1676.6	1667.4	1663.1	1655.5	1646.3	1643.1	1639.3
5°	1834.5	1837.9	1841.3	1827.1	1828.4	1819.0	1797.4	1779.8	1765.7	1747.4	1734.6
7.5°	2018.1	2010.1	2009.5	2000.3	1984.5	1971.8	1949.1	1920.2	1892.3	1860.4	1834.1
10°	2109.9	2110.6	2104.5	2093.7	2076.8	2064.7	2035.0	2006.6	1972.2	1931.7	1902.7
12.5°	2179.0	2181.8	2174.2	2159.6	2151.3	2124.1	2100.9	2067.1	2026.2	1993.8	1949.7
15°	2290.8	2283.4	2278.0	2259.7	2245.6	2217.2	2180.1	2145.0	2100.4	2059.3	2018.1
17.5°	2398.5	2404.4	2394.3	2377.7	2333.7	2300.6	2250.8	2202.8	2147.3	2092.1	2042.9
20°	2494.6	2500.0	2484.5	2455.5	2402.8	2369.8	2304.3	2242.2	2178.1	2107.2	2053.2
22.5°	2614.5	2610.2	2589.2	2545.1	2499.5	2438.3	2367.5	2291.9	2211.5	2131.5	2059.7
25°	2818.6	2790.2	2777.4	2722.8	2662.7	2572.9	2475.7	2365.0	2265.1	2159.2	2067.4
27.5°	2931.7	2922.8	2908.5	2870.4	2807.3	2711.3	2596.7	2461.8	2320.9	2187.1	2067.0
30°	2909.0	2910.4	2911.7	2899.6	2859.1	2786.9	2672.8	2527.7	2360.3	2209.8	2070.7
32.5°	2708.2	2732.7	2756.2	2784.0	2795.4	2781.5	2710.1	2579.0	2406.7	2235.7	2068.6
35°	2262.4	2269.9	2346.1	2421.7	2524.3	2604.0	2657.3	2599.2	2454.1	2257.7	2066.0
37.5°	1764.1	1800.5	1853.3	1938.7	2086.8	2219.4	2389.9	2468.3	2421.5	2264.9	2061.3
40°	1503.8	1537.5	1572.0	1659.0	1783.9	1944.5	2138.2	2303.6	2342.1	2242.2	2045.1
42.5°	1302.9	1329.7	1367.9	1433.3	1537.7	1680.0	1865.0	2081.1	2214.1	2176.3	2011.1
45°	1066.4	1083.3	1113.0	1165.0	1240.6	1351.9	1515.3	1751.5	1957.4	2025.5	1930.4
47.5°	912.8	912.7	935.8	971.7	1026.2	1120.8	1241.6	1426.7	1646.6	1809.3	1801.7
50°	827.5	824.1	842.3	873.4	916.6	979.4	1094.8	1242.6	1453.8	1638.1	1689.4
52.5°	754.1	754.5	765.7	788.6	824.8	878.4	964.6	1097.9	1278.4	1467.5	1564.1
55°	657.4	654.7	667.5	683.1	709.4	744.5	806.6	908.5	1054.9	1241.2	1366.8
57.5°	568.8	576.3	581.4	592.2	614.1	637.6	689.9	764.7	880.9	1040.8	1173.5
60°	517.0	524.4	528.5	539.3	556.8	577.1	617.6	678.3	776.2	913.9	1045.5
62.5°	470.6	476.4	477.7	487.4	501.8	521.5	553.3	604.4	681.7	802.1	931.0
65°	403.6	403.6	406.3	416.4	423.2	440.7	465.0	502.2	564.3	658.1	768.1
67.5°	339.1	342.3	341.7	346.1	352.3	366.0	383.4	414.0	460.0	528.5	616.5
70°	297.0	299.7	299.0	302.4	309.1	317.9	332.1	361.1	394.2	452.9	528.5
72.5°	259.2	260.3	258.5	263.0	267.0	274.7	290.5	306.0	336.9	386.5	448.6
75°	198.4	199.8	201.1	203.8	207.9	211.9	220.0	235.6	255.8	292.9	332.8
77.5°	148.8	146.2	149.4	149.0	151.3	154.4	161.6	169.8	186.4	209.9	240.7
80°	112.0	112.7	112.7	113.4	116.8	118.8	124.9	130.9	143.8	161.3	182.9
82.5°	81.8	83.6	82.5	83.7	86.5	88.0	91.4	96.4	103.8	117.6	133.2
85°	44.5	41.2	42.5	43.9	43.9	44.5	47.2	49.3	53.3	58.7	64.8
87.5°	15.1	16.2	16.6	16.6	17.0	17.0	19.0	18.9	20.4	22.0	24.0
90°	10.9	10.6	10.3	10.0	9.7	9.2	8.7	8.2	7.7	7.2	6.5
92.5°	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2	7.7	7.2	6.6
95°	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2	7.7	7.2	11.1
97.5°	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6	19.4	22.3	29.8
100°	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8	63.7	78.7	78.3
102.5°	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8	97.6	100.4	100.2
105°	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7	170.7	170.6	170.4
110°	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9	194.2	194.5	194.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9	217.3	217.7	217.6
115°	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6	252.0	252.4	252.3
117.5°	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1	285.7	286.2	285.8
120°	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8	307.0	307.2	306.9
122.5°	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4	327.6	327.8	327.7
125°	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5	357.9	358.3	358.3
127.5°	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0	385.2	385.4	385.5
130°	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9	403.2	403.5	403.4
132.5°	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7	419.8	419.8	420.0
135°	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3	444.5	444.7	444.9
137.5°	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2	467.2	467.1	467.3
140°	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3	481.1	480.9	481.0
142.5°	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1	495.0	495.0	494.9
145°	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6	514.5	514.4	514.4
147.5°	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3	531.1	531.0	530.9
150°	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9	541.7	541.5	541.3
152.5°	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3	551.1	550.9	550.7
155°	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3	564.0	563.7	563.5
157.5°	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0	574.7	574.4	574.3
160°	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7	581.3	580.9	580.8
162.5°	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8	587.2	586.7	586.6
165°	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7	595.0	594.4	594.3
167.5°	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6	600.9	600.1	600.0
170°	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6	603.8	603.0	602.9
172.5°	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0	606.3	605.6	605.4
175°	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6	608.8	608.0	607.9
177.5°	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7	610.1	609.6	609.5
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1636.1	1632.3	1628.0	1620.4	1611.2	1606.4	1598.8	1594.0	1584.2	1576.1	1567.5
5°	1719.1	1701.6	1685.4	1664.4	1641.5	1626.6	1609.1	1589.5	1569.3	1548.3	1525.4
7.5°	1805.1	1774.0	1740.3	1704.0	1668.5	1635.8	1604.6	1574.0	1545.4	1510.8	1481.5
10°	1862.9	1823.7	1781.9	1732.6	1684.7	1642.8	1600.3	1563.2	1525.4	1484.9	1449.1
12.5°	1920.6	1868.5	1809.4	1755.3	1697.6	1647.1	1597.1	1549.7	1502.2	1457.4	1415.6
15°	1961.4	1915.5	1860.8	1783.9	1719.1	1649.6	1583.4	1522.0	1464.6	1414.7	1362.1
17.5°	1988.3	1929.1	1870.4	1796.6	1711.7	1633.9	1559.0	1488.7	1424.0	1360.7	1309.9
20°	1993.1	1932.4	1871.0	1798.7	1711.7	1622.6	1547.7	1463.3	1393.8	1328.3	1266.2
22.5°	1991.5	1922.7	1855.8	1781.5	1696.6	1614.5	1523.9	1437.9	1362.5	1298.1	1233.3
25°	1976.3	1902.7	1819.0	1744.1	1660.4	1573.3	1481.5	1392.4	1315.5	1241.9	1177.8
27.5°	1963.6	1868.1	1773.4	1686.0	1605.2	1525.4	1437.5	1346.3	1260.9	1186.4	1126.0
30°	1947.9	1843.3	1736.6	1645.5	1562.5	1484.9	1401.9	1312.8	1223.7	1150.8	1086.0
32.5°	1933.9	1812.0	1699.4	1600.2	1512.3	1436.8	1360.3	1275.5	1188.0	1114.1	1049.3
35°	1906.7	1765.7	1636.8	1524.7	1430.9	1353.3	1289.2	1210.2	1129.9	1058.3	996.2
37.5°	1872.3	1704.9	1566.6	1449.1	1346.3	1264.5	1204.8	1144.2	1067.1	998.1	942.0
40°	1845.3	1661.7	1515.3	1395.1	1288.5	1203.4	1148.1	1090.7	1026.6	962.5	903.1
42.5°	1811.3	1622.9	1463.4	1334.1	1228.5	1145.7	1087.6	1038.9	982.3	922.5	867.4
45°	1748.8	1552.4	1379.6	1240.6	1133.9	1052.2	992.2	955.7	913.2	856.5	809.9
47.5°	1656.9	1467.7	1289.0	1145.5	1035.5	959.8	903.5	868.5	838.6	796.4	754.2
50°	1575.3	1404.6	1223.7	1081.3	971.3	895.0	843.0	811.3	785.6	753.2	717.5
52.5°	1484.1	1325.2	1159.4	1018.6	909.7	834.5	783.6	755.7	734.3	711.1	675.9
55°	1339.1	1204.1	1050.2	916.6	816.0	742.4	697.9	673.6	656.1	638.5	616.9
57.5°	1179.4	1073.8	937.5	815.3	722.7	655.8	614.2	590.6	576.9	567.9	555.2
60°	1067.1	976.7	859.2	747.8	657.4	598.0	557.5	539.3	527.8	520.4	510.9
62.5°	962.9	888.6	779.8	678.2	599.1	542.9	506.8	489.1	478.1	474.5	466.7
65°	809.3	751.9	662.1	577.8	510.3	462.3	432.0	415.1	408.3	404.3	405.0
67.5°	657.9	623.0	550.9	478.9	425.1	384.9	360.6	347.6	344.2	338.8	338.7
70°	565.6	539.3	478.5	415.8	367.8	336.8	315.2	301.7	298.3	295.6	295.0
72.5°	484.1	461.0	408.3	358.0	314.9	287.7	269.8	261.7	256.2	254.6	254.5
75°	363.8	351.0	309.1	269.3	239.6	220.7	208.6	201.1	197.1	196.4	197.1
77.5°	258.6	247.4	220.8	192.6	173.9	159.6	149.3	146.7	142.1	142.3	141.6
80°	194.4	187.0	170.1	147.8	132.3	120.1	114.7	110.0	108.7	106.6	108.7
82.5°	140.9	133.0	121.5	107.3	94.5	87.2	81.8	80.3	79.5	78.6	79.0
85°	69.5	70.2	63.4	52.6	47.2	43.2	39.8	39.8	39.1	38.5	39.1
87.5°	24.9	23.7	21.4	19.6	16.8	15.0	14.3	14.7	13.2	12.8	13.5
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0	6.4	5.8	5.3
95°	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8	25.5	25.2	24.9
97.5°	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8	54.4	54.9	55.5
100°	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5	75.9	76.2	76.5
102.5°	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6	98.0	98.4	98.8
105°	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0	133.4	133.8	134.2
107.5°	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7
110°	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1	216.3	216.5	216.8
115°	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7	250.2	250.7	251.2
117.5°	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6	284.5	284.5	284.5
120°	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3	306.2	306.1	306.0
122.5°	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5	325.8	326.2	326.6
125°	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1	355.8	356.5	357.2
127.5°	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4	384.0	384.5	385.0
130°	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8	401.3	401.8	402.3
132.5°	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2	418.8	419.4	419.9
135°	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9	443.5	444.1	444.7
137.5°	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6	466.1	466.6	467.2
140°	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4	480.6	480.8	481.0
142.5°	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8	494.0	494.1	494.2
145°	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5	513.7	513.9	514.1
147.5°	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7	530.6	530.6	530.5
150°	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
152.5°	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0	551.6	551.1	550.7
155°	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5	564.9	564.3	563.7
157.5°	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9	575.5	575.2	574.8
160°	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1	582.5	581.9	581.3
162.5°	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9	588.3	587.7	587.1
165°	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7	596.1	595.5	594.9
167.5°	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5	601.9	601.3	600.6
170°	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8	605.1	604.3	603.6
172.5°	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9	607.2	606.5	605.8
175°	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3	609.7	609.1	608.5
177.5°	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4	610.9	610.4	609.9
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1562.6	1556.7	1551.8	1541.0	1535.1	1527.0	1520.5	1527.5	1520.0	1523.2	1518.4
5°	1513.9	1495.0	1481.5	1461.9	1445.1	1429.5	1418.1	1416.0	1410.6	1407.9	1399.8
7.5°	1455.3	1431.7	1408.5	1382.8	1361.2	1339.2	1325.2	1313.6	1305.9	1295.8	1288.9
10°	1420.8	1389.0	1362.1	1331.0	1304.0	1280.4	1261.5	1252.0	1243.3	1230.4	1225.7
12.5°	1378.1	1345.3	1312.4	1279.2	1253.2	1226.9	1210.7	1196.4	1190.3	1175.9	1174.4
15°	1327.0	1277.7	1245.3	1211.5	1175.8	1154.2	1140.7	1125.1	1118.4	1108.3	1100.8
17.5°	1265.9	1221.9	1181.4	1146.5	1115.8	1097.6	1080.9	1070.2	1058.6	1052.0	1039.8
20°	1221.7	1179.8	1139.3	1102.2	1078.6	1057.6	1044.1	1034.0	1021.9	1018.5	1006.4
22.5°	1184.4	1138.2	1099.4	1068.2	1042.4	1018.8	1004.2	997.3	988.9	978.5	976.1
25°	1123.8	1075.9	1042.8	1011.8	988.8	967.2	957.1	948.3	940.2	932.8	930.1
27.5°	1071.4	1028.6	989.3	961.3	941.3	921.6	912.7	902.0	896.1	890.1	882.8
30°	1034.7	990.8	956.4	929.4	907.8	890.3	880.8	873.4	868.0	862.6	858.5
32.5°	996.9	956.3	922.9	896.5	874.9	861.6	853.3	848.0	842.1	835.6	830.5
35°	947.0	902.4	870.0	847.1	830.2	820.1	810.6	805.9	799.1	799.1	793.7
37.5°	890.7	852.2	823.6	802.7	787.5	778.5	768.2	765.0	760.7	757.8	755.9
40°	857.2	821.4	794.4	773.5	757.3	749.9	741.8	736.4	733.7	730.3	728.9
42.5°	822.6	788.5	762.6	743.3	729.2	722.9	715.3	711.5	706.1	701.7	700.9
45°	770.1	737.0	713.4	697.9	685.7	678.3	673.6	665.5	662.8	657.4	656.7
47.5°	720.3	688.6	665.4	652.7	642.0	635.9	628.5	620.4	617.3	614.6	614.3
50°	683.1	654.0	632.4	620.3	610.2	601.4	594.0	588.6	586.5	586.5	587.9
52.5°	645.3	620.5	602.2	587.3	577.8	568.4	561.6	558.3	555.2	558.5	560.9
55°	589.9	564.9	551.4	537.3	527.8	517.0	513.6	512.3	510.3	515.7	518.4
57.5°	531.3	513.8	498.0	483.9	475.4	469.2	464.6	463.8	467.6	470.2	478.9
60°	494.1	473.8	459.6	448.8	438.7	434.7	433.3	432.0	434.7	442.1	453.6
62.5°	453.0	436.6	421.3	413.2	405.8	399.0	398.8	399.6	405.0	413.5	424.9
65°	392.8	378.6	368.5	359.1	353.0	348.9	350.3	353.0	359.1	370.5	383.4
67.5°	331.7	322.0	312.9	305.2	299.4	299.4	300.8	304.8	312.0	325.2	336.9
70°	292.3	281.5	274.0	270.7	265.9	263.2	267.3	274.0	280.1	292.3	302.4
72.5°	252.8	243.7	237.9	235.6	233.5	231.4	232.7	240.0	248.2	260.4	272.1
75°	194.4	191.0	187.0	184.3	182.2	183.6	184.9	191.7	198.4	211.3	224.8
77.5°	141.9	138.4	135.9	135.3	134.2	134.9	138.6	143.6	150.2	159.6	169.8
80°	107.3	106.0	104.6	103.9	103.9	104.6	110.0	113.4	119.5	128.2	136.3
82.5°	78.2	77.3	77.1	76.9	77.5	77.6	80.9	85.3	90.3	96.9	103.9
85°	41.2	39.8	41.8	42.5	41.2	43.2	44.5	47.2	49.3	52.6	56.0
87.5°	14.2	15.5	15.1	15.7	15.9	17.1	16.7	18.9	20.1	21.3	20.8
90°	3.7	4.4	5.1	5.8	6.5	7.2	7.7	8.2	8.7	9.2	9.7
92.5°	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2	8.7	9.2	9.6
95°	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2	8.7	9.2	9.5
97.5°	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6	13.8	10.9	9.5
100°	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8	33.8	18.8	11.1
102.5°	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8	91.9	89.1	84.3
105°	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7	170.7	170.7	170.6
110°	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9	193.6	193.3	193.2



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9	216.5	216.2	215.9
115°	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6	251.2	250.8	250.3
117.5°	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1	284.6	284.1	283.7
120°	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8	306.6	306.4	306.0
122.5°	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4	327.2	327.0	326.6
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5	357.1	356.7	356.3
127.5°	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0	384.8	384.6	384.1
130°	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9	402.6	402.3	401.9
132.5°	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7	419.6	419.6	419.3
135°	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3	444.1	443.9	443.5
137.5°	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2	467.3	467.3	467.1
140°	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3	481.5	481.7	481.5
142.5°	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1	495.1	495.2	494.9
145°	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6	514.7	514.8	514.5
147.5°	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3	531.4	531.5	531.2
150°	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9	542.1	542.3	542.0
152.5°	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3	551.5	551.7	551.5
155°	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3	564.6	564.9	564.6
157.5°	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0	575.3	575.6	575.4
160°	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7	582.1	582.5	582.3
162.5°	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8	588.4	588.9	588.8
165°	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7	596.3	596.9	596.8
167.5°	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6	602.3	603.0	603.0
170°	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6	605.5	606.3	606.2
172.5°	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0	607.7	608.5	608.4
175°	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6	610.4	611.2	611.2
177.5°	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7	611.2	611.8	611.8
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1515.1	1518.9	1515.7	1520.0	1515.7	1518.9	1515.1	1518.4	1523.2	1520.0	1527.5
5°	1396.5	1390.4	1394.4	1391.7	1394.4	1390.4	1396.5	1399.8	1407.9	1410.6	1416.0
7.5°	1286.9	1281.1	1274.4	1271.3	1274.4	1281.1	1286.9	1288.9	1295.8	1305.9	1313.6
10°	1218.3	1210.9	1210.2	1205.5	1210.2	1210.9	1218.3	1225.7	1230.4	1243.3	1252.0
12.5°	1168.1	1161.2	1153.5	1151.5	1153.5	1161.2	1168.1	1174.4	1175.9	1190.3	1196.4
15°	1096.8	1091.4	1086.7	1090.7	1086.7	1091.4	1096.8	1100.8	1108.3	1118.4	1125.1
17.5°	1037.5	1033.1	1032.3	1027.3	1032.3	1033.1	1037.5	1039.8	1052.0	1058.6	1070.2
20°	1000.3	996.9	998.3	989.5	998.3	996.9	1000.3	1006.4	1018.5	1021.9	1034.0
22.5°	970.6	964.0	963.2	961.4	963.2	964.0	970.6	976.1	978.5	988.9	997.3
25°	924.0	920.6	917.3	920.6	917.3	920.6	924.0	930.1	932.8	940.2	948.3
27.5°	883.4	879.3	878.4	878.8	878.4	879.3	883.4	882.8	890.1	896.1	902.0
30°	858.5	851.8	852.5	851.8	852.5	851.8	858.5	858.5	862.6	868.0	873.4
32.5°	831.5	826.9	826.0	824.8	826.0	826.9	831.5	830.5	835.6	842.1	848.0
35°	791.7	791.7	788.3	788.3	788.3	791.7	791.7	793.7	799.1	799.1	805.9
37.5°	754.3	753.6	751.6	751.9	751.6	753.6	754.3	755.9	757.8	760.7	765.0
40°	726.2	725.6	723.5	719.5	723.5	725.6	726.2	728.9	730.3	733.7	736.4
42.5°	699.2	697.0	696.0	694.7	696.0	697.0	699.2	700.9	701.7	706.1	711.5
45°	656.7	656.7	655.4	654.7	655.4	656.7	656.7	656.7	657.4	662.8	665.5
47.5°	615.4	616.6	619.2	618.8	619.2	616.6	615.4	614.3	614.6	617.3	620.4
50°	590.6	591.3	593.3	594.0	593.3	591.3	590.6	587.9	586.5	586.5	588.6
52.5°	563.0	567.0	569.5	569.1	569.5	567.0	563.0	560.9	558.5	555.2	558.3
55°	524.4	529.2	533.9	534.6	533.9	529.2	524.4	518.4	515.7	510.3	512.3
57.5°	486.2	492.8	497.8	499.5	497.8	492.8	486.2	478.9	470.2	467.6	463.8
60°	460.3	469.1	475.2	477.9	475.2	469.1	460.3	453.6	442.1	434.7	432.0
62.5°	435.5	445.3	451.4	451.9	451.4	445.3	435.5	424.9	413.5	405.0	399.6
65°	394.8	405.0	410.4	414.4	410.4	405.0	394.8	383.4	370.5	359.1	353.0
67.5°	351.1	361.2	367.2	370.4	367.2	361.2	351.1	336.9	325.2	312.0	304.8
70°	319.3	329.4	337.5	340.2	337.5	329.4	319.3	302.4	292.3	280.1	274.0
72.5°	287.9	297.0	303.5	306.7	303.5	297.0	287.9	272.1	260.4	248.2	240.0
75°	233.5	245.7	251.8	255.1	251.8	245.7	233.5	224.8	211.3	198.4	191.7
77.5°	180.1	191.1	194.8	196.5	194.8	191.1	180.1	169.8	159.6	150.2	143.6
80°	144.4	151.2	155.9	156.6	155.9	151.2	144.4	136.3	128.2	119.5	113.4
82.5°	111.0	116.6	118.1	119.9	118.1	116.6	111.0	103.9	96.9	90.3	85.3
85°	60.7	63.4	64.1	63.4	64.1	63.4	60.7	56.0	52.6	49.3	47.2
87.5°	22.0	21.5	21.5	22.7	21.5	21.5	22.0	20.8	21.3	20.1	18.9
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.2	8.7	8.2
92.5°	9.7	9.9	10.0	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2
95°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2
97.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6
100°	10.7	10.3	9.9	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8
102.5°	77.4	70.6	63.7	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8
105°	134.7	134.6	134.5	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8
107.5°	170.3	170.0	169.7	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7
110°	193.3	193.4	193.5	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.8	215.6	215.5	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9
115°	249.7	249.1	248.5	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6
117.5°	283.4	283.2	282.9	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1
120°	305.5	305.0	304.5	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8
122.5°	326.0	325.4	324.9	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4
125°	356.0	355.7	355.4	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5
127.5°	383.3	382.6	381.8	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0
130°	401.4	400.9	400.4	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9
132.5°	418.8	418.3	417.8	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7
135°	442.9	442.3	441.7	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3
137.5°	466.5	466.0	465.5	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2
140°	480.9	480.3	479.7	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3
142.5°	494.3	493.7	493.1	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1
145°	513.9	513.3	512.7	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6
147.5°	530.5	529.8	529.0	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3
150°	541.2	540.4	539.6	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9
152.5°	550.7	550.0	549.3	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3
155°	563.8	563.0	562.2	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3
157.5°	574.6	573.8	573.0	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0
160°	581.5	580.7	579.9	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7
162.5°	587.9	587.0	586.1	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8
165°	596.0	595.1	594.3	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7
167.5°	602.0	601.1	600.2	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6
170°	605.3	604.4	603.5	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6
172.5°	607.5	606.6	605.7	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0
175°	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6
177.5°	611.1	610.5	609.8	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1520.5	1527.0	1535.1	1541.0	1551.8	1556.7	1562.6	1567.5	1576.1	1584.2	1594.0
5°	1418.1	1429.5	1445.1	1461.9	1481.5	1495.0	1513.9	1525.4	1548.3	1569.3	1589.5
7.5°	1325.2	1339.2	1361.2	1382.8	1408.5	1431.7	1455.3	1481.5	1510.8	1545.4	1574.0
10°	1261.5	1280.4	1304.0	1331.0	1362.1	1389.0	1420.8	1449.1	1484.9	1525.4	1563.2
12.5°	1210.7	1226.9	1253.2	1279.2	1312.4	1345.3	1378.1	1415.6	1457.4	1502.2	1549.7
15°	1140.7	1154.2	1175.8	1211.5	1245.3	1277.7	1327.0	1362.1	1414.7	1464.6	1522.0
17.5°	1080.9	1097.6	1115.8	1146.5	1181.4	1221.9	1265.9	1309.9	1360.7	1424.0	1488.7
20°	1044.1	1057.6	1078.6	1102.2	1139.3	1179.8	1221.7	1266.2	1328.3	1393.8	1463.3
22.5°	1004.2	1018.8	1042.4	1068.2	1099.4	1138.2	1184.4	1233.3	1298.1	1362.5	1437.9
25°	957.1	967.2	988.8	1011.8	1042.8	1075.9	1123.8	1177.8	1241.9	1315.5	1392.4
27.5°	912.7	921.6	941.3	961.3	989.3	1028.6	1071.4	1126.0	1186.4	1260.9	1346.3
30°	880.8	890.3	907.8	929.4	956.4	990.8	1034.7	1086.0	1150.8	1223.7	1312.8
32.5°	853.3	861.6	874.9	896.5	922.9	956.3	996.9	1049.3	1114.1	1188.0	1275.5
35°	810.6	820.1	830.2	847.1	870.0	902.4	947.0	996.2	1058.3	1129.9	1210.2
37.5°	768.2	778.5	787.5	802.7	823.6	852.2	890.7	942.0	998.1	1067.1	1144.2
40°	741.8	749.9	757.3	773.5	794.4	821.4	857.2	903.1	962.5	1026.6	1090.7
42.5°	715.3	722.9	729.2	743.3	762.6	788.5	822.6	867.4	922.5	982.3	1038.9
45°	673.6	678.3	685.7	697.9	713.4	737.0	770.1	809.9	856.5	913.2	955.7
47.5°	628.5	635.9	642.0	652.7	665.4	688.6	720.3	754.2	796.4	838.6	868.5
50°	594.0	601.4	610.2	620.3	632.4	654.0	683.1	717.5	753.2	785.6	811.3
52.5°	561.6	568.4	577.8	587.3	602.2	620.5	645.3	675.9	711.1	734.3	755.7
55°	513.6	517.0	527.8	537.3	551.4	564.9	589.9	616.9	638.5	656.1	673.6
57.5°	464.6	469.2	475.4	483.9	498.0	513.8	531.3	555.2	567.9	576.9	590.6
60°	433.3	434.7	438.7	448.8	459.6	473.8	494.1	510.9	520.4	527.8	539.3
62.5°	398.8	399.0	405.8	413.2	421.3	436.6	453.0	466.7	474.5	478.1	489.1
65°	350.3	348.9	353.0	359.1	368.5	378.6	392.8	405.0	404.3	408.3	415.1
67.5°	300.8	299.4	299.4	305.2	312.9	322.0	331.7	338.7	338.8	344.2	347.6
70°	267.3	263.2	265.9	270.7	274.0	281.5	292.3	295.0	295.6	298.3	301.7
72.5°	232.7	231.4	233.5	235.6	237.9	243.7	252.8	254.5	254.6	256.2	261.7
75°	184.9	183.6	182.2	184.3	187.0	191.0	194.4	197.1	196.4	197.1	201.1
77.5°	138.6	134.9	134.2	135.3	135.9	138.4	141.9	141.6	142.3	142.1	146.7
80°	110.0	104.6	103.9	103.9	104.6	106.0	107.3	108.7	106.6	108.7	110.0
82.5°	80.9	77.6	77.5	76.9	77.1	77.3	78.2	79.0	78.6	79.5	80.3
85°	44.5	43.2	41.2	42.5	41.8	39.8	41.2	39.1	38.5	39.1	39.8
87.5°	16.7	17.1	15.9	15.7	15.1	15.5	14.2	13.5	12.8	13.2	14.7
90°	7.7	7.2	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.7	7.2	6.6	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0
95°	7.7	7.2	11.1	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8
97.5°	19.4	22.3	29.8	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8
100°	63.7	78.7	78.3	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5
102.5°	97.6	100.4	100.2	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6
105°	134.8	134.8	134.8	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0
107.5°	170.7	170.6	170.4	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7
110°	194.2	194.5	194.3	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.3	217.7	217.6	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1
115°	252.0	252.4	252.3	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7
117.5°	285.7	286.2	285.8	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6
120°	307.0	307.2	306.9	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3
122.5°	327.6	327.8	327.7	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1
127.5°	385.2	385.4	385.5	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4
130°	403.2	403.5	403.4	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8
132.5°	419.8	419.8	420.0	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2
135°	444.5	444.7	444.9	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9
137.5°	467.2	467.1	467.3	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6
140°	481.1	480.9	481.0	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4
142.5°	495.0	495.0	494.9	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8
145°	514.5	514.4	514.4	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5
147.5°	531.1	531.0	530.9	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7
150°	541.7	541.5	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5
152.5°	551.1	550.9	550.7	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0
155°	564.0	563.7	563.5	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5
157.5°	574.7	574.4	574.3	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9
160°	581.3	580.9	580.8	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1
162.5°	587.2	586.7	586.6	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9
165°	595.0	594.4	594.3	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7
167.5°	600.9	600.1	600.0	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5
170°	603.8	603.0	602.9	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8
172.5°	606.3	605.6	605.4	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9
175°	608.8	608.0	607.9	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3
177.5°	610.1	609.6	609.5	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333430

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1598.8	1606.4	1611.2	1620.4	1628.0	1632.3	1636.1	1639.3	1643.1	1646.3	1655.5
5°	1609.1	1626.6	1641.5	1664.4	1685.4	1701.6	1719.1	1734.6	1747.4	1765.7	1779.8
7.5°	1604.6	1635.8	1668.5	1704.0	1740.3	1774.0	1805.1	1834.1	1860.4	1892.3	1920.2
10°	1600.3	1642.8	1684.7	1732.6	1781.9	1823.7	1862.9	1902.7	1931.7	1972.2	2006.6
12.5°	1597.1	1647.1	1697.6	1755.3	1809.4	1868.5	1920.6	1949.7	1993.8	2026.2	2067.1
15°	1583.4	1649.6	1719.1	1783.9	1860.8	1915.5	1961.4	2018.1	2059.3	2100.4	2145.0
17.5°	1559.0	1633.9	1711.7	1796.6	1870.4	1929.1	1988.3	2042.9	2092.1	2147.3	2202.8
20°	1547.7	1622.6	1711.7	1798.7	1871.0	1932.4	1993.1	2053.2	2107.2	2178.1	2242.2
22.5°	1523.9	1614.5	1696.6	1781.5	1855.8	1922.7	1991.5	2059.7	2131.5	2211.5	2291.9
25°	1481.5	1573.3	1660.4	1744.1	1819.0	1902.7	1976.3	2067.4	2159.2	2265.1	2365.0
27.5°	1437.5	1525.4	1605.2	1686.0	1773.4	1868.1	1963.6	2067.0	2187.1	2320.9	2461.8
30°	1401.9	1484.9	1562.5	1645.5	1736.6	1843.3	1947.9	2070.7	2209.8	2360.3	2527.7
32.5°	1360.3	1436.8	1512.3	1600.2	1699.4	1812.0	1933.9	2068.6	2235.7	2406.7	2579.0
35°	1289.2	1353.3	1430.9	1524.7	1636.8	1765.7	1906.7	2066.0	2257.7	2454.1	2599.2
37.5°	1204.8	1264.5	1346.3	1449.1	1566.6	1704.9	1872.3	2061.3	2264.9	2421.5	2468.3
40°	1148.1	1203.4	1288.5	1395.1	1515.3	1661.7	1845.3	2045.1	2242.2	2342.1	2303.6
42.5°	1087.6	1145.7	1228.5	1334.1	1463.4	1622.9	1811.3	2011.1	2176.3	2214.1	2081.1
45°	992.2	1052.2	1133.9	1240.6	1379.6	1552.4	1748.8	1930.4	2025.5	1957.4	1751.5
47.5°	903.5	959.8	1035.5	1145.5	1289.0	1467.7	1656.9	1801.7	1809.3	1646.6	1426.7
50°	843.0	895.0	971.3	1081.3	1223.7	1404.6	1575.3	1689.4	1638.1	1453.8	1242.6
52.5°	783.6	834.5	909.7	1018.6	1159.4	1325.2	1484.1	1564.1	1467.5	1278.4	1097.9
55°	697.9	742.4	816.0	916.6	1050.2	1204.1	1339.1	1366.8	1241.2	1054.9	908.5
57.5°	614.2	655.8	722.7	815.3	937.5	1073.8	1179.4	1173.5	1040.8	880.9	764.7
60°	557.5	598.0	657.4	747.8	859.2	976.7	1067.1	1045.5	913.9	776.2	678.3
62.5°	506.8	542.9	599.1	678.2	779.8	888.6	962.9	931.0	802.1	681.7	604.4
65°	432.0	462.3	510.3	577.8	662.1	751.9	809.3	768.1	658.1	564.3	502.2
67.5°	360.6	384.9	425.1	478.9	550.9	623.0	657.9	616.5	528.5	460.0	414.0
70°	315.2	336.8	367.8	415.8	478.5	539.3	565.6	528.5	452.9	394.2	361.1
72.5°	269.8	287.7	314.9	358.0	408.3	461.0	484.1	448.6	386.5	336.9	306.0
75°	208.6	220.7	239.6	269.3	309.1	351.0	363.8	332.8	292.9	255.8	235.6
77.5°	149.3	159.6	173.9	192.6	220.8	247.4	258.6	240.7	209.9	186.4	169.8
80°	114.7	120.1	132.3	147.8	170.1	187.0	194.4	182.9	161.3	143.8	130.9
82.5°	81.8	87.2	94.5	107.3	121.5	133.0	140.9	133.2	117.6	103.8	96.4
85°	39.8	43.2	47.2	52.6	63.4	70.2	69.5	64.8	58.7	53.3	49.3
87.5°	14.3	15.0	16.8	19.6	21.4	23.7	24.9	24.0	22.0	20.4	18.9
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.2	7.7	8.2
92.5°	6.4	5.8	5.3	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2
95°	25.5	25.2	24.9	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2
97.5°	54.4	54.9	55.5	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6
100°	75.9	76.2	76.5	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8
102.5°	98.0	98.4	98.8	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8
105°	133.4	133.8	134.2	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.7	169.7	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7
110°	193.6	193.6	193.6	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	216.3	216.5	216.8	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9
115°	250.2	250.7	251.2	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6
117.5°	284.5	284.5	284.5	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1
120°	306.2	306.1	306.0	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8
122.5°	325.8	326.2	326.6	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4
125°	355.8	356.5	357.2	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5
127.5°	384.0	384.5	385.0	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0
130°	401.3	401.8	402.3	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9
132.5°	418.8	419.4	419.9	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7
135°	443.5	444.1	444.7	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3
137.5°	466.1	466.6	467.2	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2
140°	480.6	480.8	481.0	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3
142.5°	494.0	494.1	494.2	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1
145°	513.7	513.9	514.1	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6
147.5°	530.6	530.6	530.5	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3
150°	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9
152.5°	551.6	551.1	550.7	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3
155°	564.9	564.3	563.7	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3
157.5°	575.5	575.2	574.8	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0
160°	582.5	581.9	581.3	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7
162.5°	588.3	587.7	587.1	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8
165°	596.1	595.5	594.9	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7
167.5°	601.9	601.3	600.6	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6
170°	605.1	604.3	603.6	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6
172.5°	607.2	606.5	605.8	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0
175°	609.7	609.1	608.5	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6
177.5°	610.9	610.4	609.9	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2	1590.2
2.5°	1663.1	1667.4	1676.6	1673.3	1677.7	1679.8	1682.0
5°	1797.4	1819.0	1828.4	1827.1	1841.3	1837.9	1834.5
7.5°	1949.1	1971.8	1984.5	2000.3	2009.5	2010.1	2018.1
10°	2035.0	2064.7	2076.8	2093.7	2104.5	2110.6	2109.9
12.5°	2100.9	2124.1	2151.3	2159.6	2174.2	2181.8	2179.0
15°	2180.1	2217.2	2245.6	2259.7	2278.0	2283.4	2290.8
17.5°	2250.8	2300.6	2333.7	2377.7	2394.3	2404.4	2398.5
20°	2304.3	2369.8	2402.8	2455.5	2484.5	2500.0	2494.6
22.5°	2367.5	2438.3	2499.5	2545.1	2589.2	2610.2	2614.5
25°	2475.7	2572.9	2662.7	2722.8	2777.4	2790.2	2818.6
27.5°	2596.7	2711.3	2807.3	2870.4	2908.5	2922.8	2931.7
30°	2672.8	2786.9	2859.1	2899.6	2911.7	2910.4	2909.0
32.5°	2710.1	2781.5	2795.4	2784.0	2756.2	2732.7	2708.2
35°	2657.3	2604.0	2524.3	2421.7	2346.1	2269.9	2262.4
37.5°	2389.9	2219.4	2086.8	1938.7	1853.3	1800.5	1764.1
40°	2138.2	1944.5	1783.9	1659.0	1572.0	1537.5	1503.8
42.5°	1865.0	1680.0	1537.7	1433.3	1367.9	1329.7	1302.9
45°	1515.3	1351.9	1240.6	1165.0	1113.0	1083.3	1066.4
47.5°	1241.6	1120.8	1026.2	971.7	935.8	912.7	912.8
50°	1094.8	979.4	916.6	873.4	842.3	824.1	827.5
52.5°	964.6	878.4	824.8	788.6	765.7	754.5	754.1
55°	806.6	744.5	709.4	683.1	667.5	654.7	657.4
57.5°	689.9	637.6	614.1	592.2	581.4	576.3	568.8
60°	617.6	577.1	556.8	539.3	528.5	524.4	517.0
62.5°	553.3	521.5	501.8	487.4	477.7	476.4	470.6
65°	465.0	440.7	423.2	416.4	406.3	403.6	403.6
67.5°	383.4	366.0	352.3	346.1	341.7	342.3	339.1
70°	332.1	317.9	309.1	302.4	299.0	299.7	297.0
72.5°	290.5	274.7	267.0	263.0	258.5	260.3	259.2
75°	220.0	211.9	207.9	203.8	201.1	199.8	198.4
77.5°	161.6	154.4	151.3	149.0	149.4	146.2	148.8
80°	124.9	118.8	116.8	113.4	112.7	112.7	112.0
82.5°	91.4	88.0	86.5	83.7	82.5	83.6	81.8
85°	47.2	44.5	43.9	43.9	42.5	41.2	44.5
87.5°	19.0	17.0	17.0	16.6	16.6	16.2	15.1
90°	8.7	9.2	9.7	10.0	10.3	10.6	10.9
92.5°	8.7	9.2	9.6	9.7	9.9	10.0	10.1
95°	8.7	9.2	9.5	9.5	9.5	9.5	9.5
97.5°	13.8	10.9	9.5	9.5	9.5	9.5	9.5
100°	33.8	18.8	11.1	10.7	10.3	9.9	9.5
102.5°	91.9	89.1	84.3	77.4	70.6	63.7	56.9
105°	134.8	134.8	134.8	134.7	134.6	134.5	134.4
107.5°	170.7	170.7	170.6	170.3	170.0	169.7	169.4
110°	193.6	193.3	193.2	193.3	193.4	193.5	193.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	216.5	216.2	215.9	215.8	215.6	215.5	215.3
115°	251.2	250.8	250.3	249.7	249.1	248.5	247.9
117.5°	284.6	284.1	283.7	283.4	283.2	282.9	282.7
120°	306.6	306.4	306.0	305.5	305.0	304.5	304.0
122.5°	327.2	327.0	326.6	326.0	325.4	324.9	324.3
125°	357.1	356.7	356.3	356.0	355.7	355.4	355.1
127.5°	384.8	384.6	384.1	383.3	382.6	381.8	381.1
130°	402.6	402.3	401.9	401.4	400.9	400.4	399.9
132.5°	419.6	419.6	419.3	418.8	418.3	417.8	417.3
135°	444.1	443.9	443.5	442.9	442.3	441.7	441.1
137.5°	467.3	467.3	467.1	466.5	466.0	465.5	465.0
140°	481.5	481.7	481.5	480.9	480.3	479.7	479.1
142.5°	495.1	495.2	494.9	494.3	493.7	493.1	492.5
145°	514.7	514.8	514.5	513.9	513.3	512.7	512.1
147.5°	531.4	531.5	531.2	530.5	529.8	529.0	528.3
150°	542.1	542.3	542.0	541.2	540.4	539.6	538.8
152.5°	551.5	551.7	551.5	550.7	550.0	549.3	548.6
155°	564.6	564.9	564.6	563.8	563.0	562.2	561.4
157.5°	575.3	575.6	575.4	574.6	573.8	573.0	572.2
160°	582.1	582.5	582.3	581.5	580.7	579.9	579.1
162.5°	588.4	588.9	588.8	587.9	587.0	586.1	585.2
165°	596.3	596.9	596.8	596.0	595.1	594.3	593.5
167.5°	602.3	603.0	603.0	602.0	601.1	600.2	599.3
170°	605.5	606.3	606.2	605.3	604.4	603.5	602.6
172.5°	607.7	608.5	608.4	607.5	606.6	605.7	604.8
175°	610.4	611.2	611.2	610.3	609.4	608.5	607.6
177.5°	611.2	611.8	611.8	611.1	610.5	609.8	609.2
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3

(END OF REPORT)