

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: P333250

Luminaire Tested: **S125DIP-S1090D365U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333250
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D365U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5952.5 lumens
Efficiency: N/A
Efficacy: 136.8 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

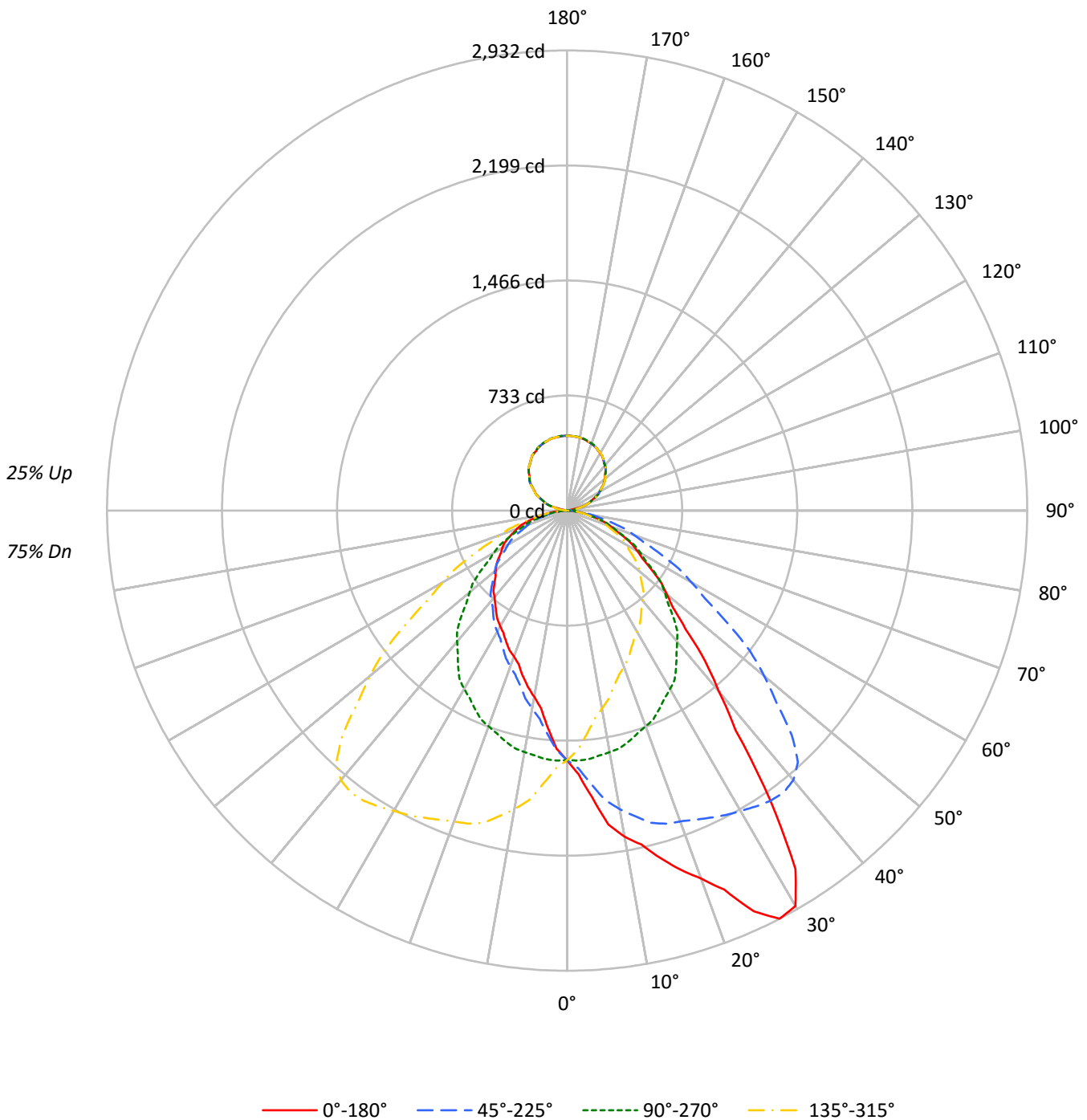
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	99	96	92	99	95	91	88	86	83	81	78	76	74	71	69	68	64
2	95	87	81	76	90	83	78	73	76	71	68	69	66	63	63	60	58	54
3	87	77	70	64	82	74	67	61	67	62	57	61	57	53	56	52	49	46
4	80	68	60	54	75	66	58	52	60	54	49	55	50	46	50	46	43	40
5	73	61	53	47	69	59	51	45	54	47	43	49	44	40	45	41	37	35
6	68	55	47	41	64	53	45	40	49	42	37	45	39	35	41	37	33	31
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	38	33	29	27
8	58	45	37	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	30	25	22	20

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	2.6
10°-20°	455.8	7.7
20°-30°	740.1	12.4
30°-40°	902.8	15.2
40°-50°	821.3	13.8
50°-60°	654.2	11.0
60°-70°	455.6	7.7
70°-80°	243.0	4.1
80°-90°	62.3	1.0
90°-100°	17.3	0.3
100°-110°	106.8	1.8
110°-120°	193.7	3.3
120°-130°	248.6	4.2
130°-140°	267.4	4.5
140°-150°	251.0	4.2
150°-160°	203.0	3.4
160°-170°	131.3	2.2
170°-180°	45.3	0.8
0°-30°	1349.0	22.7
0°-40°	2251.8	37.8
0°-60°	3727.3	62.6
0°-90°	4488.2	75.4
90°-120°	317.8	5.3
90°-150°	1084.7	18.2
90°-180°	1464.0	24.6
0°-180°	5952.5	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°	8	0	8	0	8	5
95°	7	20	7	20	7	6
105°	105	104	105	104	105	95
115°	194	195	194	195	194	192
125°	278	278	278	278	278	247
135°	345	346	345	346	345	266
145°	400	401	400	401	400	250
155°	439	442	439	442	439	202
165°	464	466	464	466	464	131
175°	475	477	475	477	475	45
180°	477	477	477	477	477	



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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°	14.7	15.7	16.2	16.1	16.6	16.6	18.6	18.6	20.1	21.6	23.7
90°	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4	6.0	5.7	5.1
92.5°	7.9	7.8	7.7	7.6	7.5	7.2	6.8	6.4	6.0	5.7	5.2
95°	7.4	7.4	7.4	7.4	7.4	7.2	6.8	6.4	6.0	5.7	8.6
97.5°	7.4	7.4	7.4	7.4	7.4	8.5	10.7	13.0	15.2	17.4	23.3
100°	7.4	7.7	8.1	8.4	8.7	14.7	26.4	38.1	49.8	61.5	61.2
102.5°	44.5	49.8	55.2	60.5	65.8	69.6	71.8	74.0	76.3	78.5	78.3
105°	105.0	105.1	105.1	105.2	105.3	105.3	105.3	105.3	105.3	105.3	105.3
107.5°	132.3	132.6	132.8	133.1	133.3	133.4	133.4	133.4	133.3	133.3	133.2
110°	151.3	151.2	151.1	151.1	151.0	151.1	151.3	151.5	151.8	152.0	151.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	168.3	168.4	168.5	168.6	168.7	168.9	169.2	169.5	169.8	170.1	170.0
115°	193.7	194.2	194.7	195.1	195.6	196.0	196.3	196.6	196.9	197.2	197.2
117.5°	220.9	221.1	221.3	221.5	221.7	222.0	222.4	222.8	223.2	223.6	223.3
120°	237.5	237.9	238.3	238.7	239.1	239.4	239.5	239.7	239.9	240.0	239.8
122.5°	253.4	253.8	254.3	254.7	255.2	255.5	255.7	255.8	256.0	256.1	256.0
125°	277.5	277.7	278.0	278.2	278.4	278.7	279.0	279.3	279.6	280.0	280.0
127.5°	297.8	298.4	298.9	299.5	300.1	300.5	300.6	300.8	301.0	301.2	301.2
130°	312.5	312.9	313.3	313.7	314.0	314.4	314.6	314.8	315.1	315.3	315.2
132.5°	326.1	326.4	326.8	327.2	327.6	327.8	327.9	327.9	328.0	328.0	328.2
135°	344.6	345.1	345.6	346.1	346.5	346.8	347.0	347.2	347.3	347.5	347.6
137.5°	363.3	363.7	364.1	364.5	364.9	365.1	365.1	365.1	365.0	365.0	365.1
140°	374.3	374.8	375.3	375.8	376.2	376.4	376.2	376.1	375.9	375.8	375.8
142.5°	384.8	385.3	385.7	386.2	386.7	386.9	386.9	386.8	386.8	386.8	386.7
145°	400.1	400.6	401.1	401.6	402.0	402.2	402.1	402.1	402.0	401.9	401.9
147.5°	412.8	413.4	413.9	414.5	415.1	415.3	415.2	415.1	415.0	414.9	414.8
150°	421.0	421.6	422.3	422.9	423.5	423.7	423.6	423.4	423.3	423.1	423.0
152.5°	428.6	429.2	429.8	430.3	430.9	431.1	430.9	430.8	430.6	430.5	430.3
155°	438.7	439.3	439.9	440.6	441.2	441.4	441.1	440.9	440.7	440.4	440.3
157.5°	447.1	447.7	448.3	449.0	449.6	449.8	449.5	449.3	449.0	448.8	448.8
160°	452.5	453.1	453.7	454.3	455.0	455.1	454.8	454.5	454.2	453.9	453.8
162.5°	457.3	458.0	458.6	459.3	460.0	460.2	459.7	459.3	458.8	458.4	458.3
165°	463.8	464.4	465.0	465.7	466.3	466.4	465.9	465.4	464.9	464.5	464.4
167.5°	468.3	469.0	469.7	470.4	471.1	471.2	470.6	470.1	469.5	468.9	468.9
170°	470.8	471.5	472.3	473.0	473.7	473.7	473.1	472.4	471.8	471.2	471.1
172.5°	472.5	473.2	473.9	474.7	475.4	475.4	474.9	474.3	473.7	473.2	473.0
175°	474.7	475.4	476.1	476.8	477.6	477.6	477.0	476.3	475.7	475.1	475.0
177.5°	476.0	476.5	477.0	477.5	478.0	478.0	477.6	477.2	476.7	476.3	476.2
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



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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°	24.7	23.5	21.2	19.5	16.6	14.9	14.2	14.6	13.2	12.7	13.4
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	4.7	4.2	3.7	3.7	4.1	4.6	5.0	5.4	5.0	4.6	4.1
95°	11.6	14.6	17.6	19.2	19.4	19.7	19.9	20.1	19.9	19.7	19.4
97.5°	29.2	35.1	41.0	43.8	43.3	42.9	42.5	42.1	42.5	42.9	43.3
100°	60.9	60.6	60.2	60.0	59.7	59.5	59.3	59.0	59.3	59.5	59.7
102.5°	78.1	77.9	77.7	77.5	77.2	76.9	76.6	76.3	76.6	76.9	77.2
105°	105.3	105.3	105.3	105.2	104.9	104.6	104.2	103.9	104.2	104.6	104.9
107.5°	133.0	132.9	132.7	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
110°	151.7	151.5	151.4	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.9	169.8	169.7	169.6	169.4	169.2	169.0	168.8	169.0	169.2	169.4
115°	197.1	197.0	196.9	196.7	196.3	195.9	195.5	195.1	195.5	195.9	196.3
117.5°	223.0	222.7	222.4	222.3	222.3	222.3	222.3	222.3	222.3	222.3	222.3
120°	239.5	239.3	239.1	239.0	239.1	239.2	239.2	239.3	239.2	239.2	239.1
122.5°	255.9	255.8	255.7	255.5	255.2	254.9	254.6	254.3	254.6	254.9	255.2
125°	280.0	280.0	280.0	279.7	279.1	278.6	278.0	277.5	278.0	278.6	279.1
127.5°	301.3	301.3	301.4	301.2	300.8	300.4	300.0	299.6	300.0	300.4	300.8
130°	315.1	315.1	315.0	314.8	314.4	314.0	313.6	313.2	313.6	314.0	314.4
132.5°	328.4	328.6	328.7	328.6	328.1	327.7	327.2	326.8	327.2	327.7	328.1
135°	347.8	347.9	348.1	347.9	347.5	347.0	346.5	346.1	346.5	347.0	347.5
137.5°	365.3	365.4	365.6	365.4	365.0	364.6	364.2	363.8	364.2	364.6	365.0
140°	375.9	376.0	376.1	376.0	375.9	375.7	375.6	375.4	375.6	375.7	375.9
142.5°	386.6	386.5	386.3	386.2	386.1	386.1	386.0	385.9	386.0	386.1	386.1
145°	401.9	401.9	401.9	401.8	401.7	401.5	401.4	401.2	401.4	401.5	401.7
147.5°	414.7	414.6	414.5	414.5	414.5	414.6	414.6	414.6	414.6	414.6	414.5
150°	422.8	422.6	422.5	422.5	422.6	422.8	423.0	423.1	423.0	422.8	422.6
152.5°	430.2	430.0	429.8	429.9	430.3	430.6	431.0	431.3	431.0	430.6	430.3
155°	440.1	440.0	439.8	440.0	440.4	440.9	441.4	441.9	441.4	440.9	440.4
157.5°	448.8	448.7	448.7	448.9	449.1	449.4	449.7	450.0	449.7	449.4	449.1
160°	453.7	453.6	453.6	453.8	454.2	454.7	455.2	455.6	455.2	454.7	454.2
162.5°	458.2	458.2	458.1	458.3	458.7	459.2	459.7	460.2	459.7	459.2	458.7
165°	464.3	464.2	464.2	464.4	464.8	465.3	465.8	466.2	465.8	465.3	464.8
167.5°	468.8	468.7	468.6	468.8	469.3	469.8	470.3	470.8	470.3	469.8	469.3
170°	471.0	471.0	470.9	471.1	471.7	472.2	472.8	473.3	472.8	472.2	471.7
172.5°	472.9	472.7	472.6	472.8	473.4	473.9	474.5	475.0	474.5	473.9	473.4
175°	474.9	474.8	474.8	475.0	475.4	475.9	476.4	476.8	476.4	475.9	475.4
177.5°	476.2	476.1	476.0	476.2	476.6	476.9	477.3	477.7	477.3	476.9	476.6
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-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°	14.1	15.3	14.8	15.5	15.6	16.8	16.3	18.6	19.7	20.9	20.4
90°	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4	6.8	7.2	7.5
92.5°	3.7	3.7	4.2	4.7	5.2	5.7	6.0	6.4	6.8	7.2	7.5
95°	19.2	17.6	14.6	11.6	8.6	5.7	6.0	6.4	6.8	7.2	7.4
97.5°	43.8	41.0	35.1	29.2	23.3	17.4	15.2	13.0	10.7	8.5	7.4
100°	60.0	60.2	60.6	60.9	61.2	61.5	49.8	38.1	26.4	14.7	8.7
102.5°	77.5	77.7	77.9	78.1	78.3	78.5	76.3	74.0	71.8	69.6	65.8
105°	105.2	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
107.5°	132.6	132.7	132.9	133.0	133.2	133.3	133.3	133.4	133.4	133.4	133.3
110°	151.3	151.4	151.5	151.7	151.8	152.0	151.8	151.5	151.3	151.1	151.0



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	169.6	169.7	169.8	169.9	170.0	170.1	169.8	169.5	169.2	168.9	168.7
115°	196.7	196.9	197.0	197.1	197.2	197.2	196.9	196.6	196.3	196.0	195.6
117.5°	222.3	222.4	222.7	223.0	223.3	223.6	223.2	222.8	222.4	222.0	221.7
120°	239.0	239.1	239.3	239.5	239.8	240.0	239.9	239.7	239.5	239.4	239.1
122.5°	255.5	255.7	255.8	255.9	256.0	256.1	256.0	255.8	255.7	255.5	255.2
125°	279.7	280.0	280.0	280.0	280.0	280.0	279.6	279.3	279.0	278.7	278.4
127.5°	301.2	301.4	301.3	301.3	301.2	301.2	301.0	300.8	300.6	300.5	300.1
130°	314.8	315.0	315.1	315.1	315.2	315.3	315.1	314.8	314.6	314.4	314.0
132.5°	328.6	328.7	328.6	328.4	328.2	328.0	328.0	327.9	327.9	327.8	327.6
135°	347.9	348.1	347.9	347.8	347.6	347.5	347.3	347.2	347.0	346.8	346.5
137.5°	365.4	365.6	365.4	365.3	365.1	365.0	365.0	365.1	365.1	365.1	364.9
140°	376.0	376.1	376.0	375.9	375.8	375.8	375.9	376.1	376.2	376.4	376.2
142.5°	386.2	386.3	386.5	386.6	386.7	386.8	386.8	386.8	386.9	386.9	386.7
145°	401.8	401.9	401.9	401.9	401.9	401.9	402.0	402.1	402.1	402.2	402.0
147.5°	414.5	414.5	414.6	414.7	414.8	414.9	415.0	415.1	415.2	415.3	415.1
150°	422.5	422.5	422.6	422.8	423.0	423.1	423.3	423.4	423.6	423.7	423.5
152.5°	429.9	429.8	430.0	430.2	430.3	430.5	430.6	430.8	430.9	431.1	430.9
155°	440.0	439.8	440.0	440.1	440.3	440.4	440.7	440.9	441.1	441.4	441.2
157.5°	448.9	448.7	448.7	448.8	448.8	448.8	449.0	449.3	449.5	449.8	449.6
160°	453.8	453.6	453.6	453.7	453.8	453.9	454.2	454.5	454.8	455.1	455.0
162.5°	458.3	458.1	458.2	458.2	458.3	458.4	458.8	459.3	459.7	460.2	460.0
165°	464.4	464.2	464.2	464.3	464.4	464.5	464.9	465.4	465.9	466.4	466.3
167.5°	468.8	468.6	468.7	468.8	468.9	468.9	469.5	470.1	470.6	471.2	471.1
170°	471.1	470.9	471.0	471.0	471.1	471.2	471.8	472.4	473.1	473.7	473.7
172.5°	472.8	472.6	472.7	472.9	473.0	473.2	473.7	474.3	474.9	475.4	475.4
175°	475.0	474.8	474.8	474.9	475.0	475.1	475.7	476.3	477.0	477.6	477.6
177.5°	476.2	476.0	476.1	476.2	476.2	476.3	476.7	477.2	477.6	478.0	478.0
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-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°	21.5	21.0	21.1	22.2	21.1	21.0	21.5	20.4	20.9	19.7	18.6
90°	7.8	8.0	8.2	8.5	8.2	8.0	7.8	7.5	7.2	6.8	6.4
92.5°	7.6	7.7	7.8	7.9	7.8	7.7	7.6	7.5	7.2	6.8	6.4
95°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	6.8	6.4
97.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	8.5	10.7	13.0
100°	8.4	8.1	7.7	7.4	7.7	8.1	8.4	8.7	14.7	26.4	38.1
102.5°	60.5	55.2	49.8	44.5	49.8	55.2	60.5	65.8	69.6	71.8	74.0
105°	105.2	105.1	105.1	105.0	105.1	105.1	105.2	105.3	105.3	105.3	105.3
107.5°	133.1	132.8	132.6	132.3	132.6	132.8	133.1	133.3	133.4	133.4	133.4
110°	151.1	151.1	151.2	151.3	151.2	151.1	151.1	151.0	151.1	151.3	151.5



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	168.6	168.5	168.4	168.3	168.4	168.5	168.6	168.7	168.9	169.2	169.5
115°	195.1	194.7	194.2	193.7	194.2	194.7	195.1	195.6	196.0	196.3	196.6
117.5°	221.5	221.3	221.1	220.9	221.1	221.3	221.5	221.7	222.0	222.4	222.8
120°	238.7	238.3	237.9	237.5	237.9	238.3	238.7	239.1	239.4	239.5	239.7
122.5°	254.7	254.3	253.8	253.4	253.8	254.3	254.7	255.2	255.5	255.7	255.8
125°	278.2	278.0	277.7	277.5	277.7	278.0	278.2	278.4	278.7	279.0	279.3
127.5°	299.5	298.9	298.4	297.8	298.4	298.9	299.5	300.1	300.5	300.6	300.8
130°	313.7	313.3	312.9	312.5	312.9	313.3	313.7	314.0	314.4	314.6	314.8
132.5°	327.2	326.8	326.4	326.1	326.4	326.8	327.2	327.6	327.8	327.9	327.9
135°	346.1	345.6	345.1	344.6	345.1	345.6	346.1	346.5	346.8	347.0	347.2
137.5°	364.5	364.1	363.7	363.3	363.7	364.1	364.5	364.9	365.1	365.1	365.1
140°	375.8	375.3	374.8	374.3	374.8	375.3	375.8	376.2	376.4	376.2	376.1
142.5°	386.2	385.7	385.3	384.8	385.3	385.7	386.2	386.7	386.9	386.9	386.8
145°	401.6	401.1	400.6	400.1	400.6	401.1	401.6	402.0	402.2	402.1	402.1
147.5°	414.5	413.9	413.4	412.8	413.4	413.9	414.5	415.1	415.3	415.2	415.1
150°	422.9	422.3	421.6	421.0	421.6	422.3	422.9	423.5	423.7	423.6	423.4
152.5°	430.3	429.8	429.2	428.6	429.2	429.8	430.3	430.9	431.1	430.9	430.8
155°	440.6	439.9	439.3	438.7	439.3	439.9	440.6	441.2	441.4	441.1	440.9
157.5°	449.0	448.3	447.7	447.1	447.7	448.3	449.0	449.6	449.8	449.5	449.3
160°	454.3	453.7	453.1	452.5	453.1	453.7	454.3	455.0	455.1	454.8	454.5
162.5°	459.3	458.6	458.0	457.3	458.0	458.6	459.3	460.0	460.2	459.7	459.3
165°	465.7	465.0	464.4	463.8	464.4	465.0	465.7	466.3	466.4	465.9	465.4
167.5°	470.4	469.7	469.0	468.3	469.0	469.7	470.4	471.1	471.2	470.6	470.1
170°	473.0	472.3	471.5	470.8	471.5	472.3	473.0	473.7	473.7	473.1	472.4
172.5°	474.7	473.9	473.2	472.5	473.2	473.9	474.7	475.4	475.4	474.9	474.3
175°	476.8	476.1	475.4	474.7	475.4	476.1	476.8	477.6	477.6	477.0	476.3
177.5°	477.5	477.0	476.5	476.0	476.5	477.0	477.5	478.0	478.0	477.6	477.2
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-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°	16.3	16.8	15.6	15.5	14.8	15.3	14.1	13.4	12.7	13.2	14.6
90°	6.0	5.7	5.1	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	6.0	5.7	5.2	4.7	4.2	3.7	3.7	4.1	4.6	5.0	5.4
95°	6.0	5.7	8.6	11.6	14.6	17.6	19.2	19.4	19.7	19.9	20.1
97.5°	15.2	17.4	23.3	29.2	35.1	41.0	43.8	43.3	42.9	42.5	42.1
100°	49.8	61.5	61.2	60.9	60.6	60.2	60.0	59.7	59.5	59.3	59.0
102.5°	76.3	78.5	78.3	78.1	77.9	77.7	77.5	77.2	76.9	76.6	76.3
105°	105.3	105.3	105.3	105.3	105.3	105.3	105.2	104.9	104.6	104.2	103.9
107.5°	133.3	133.3	133.2	133.0	132.9	132.7	132.6	132.6	132.6	132.6	132.6
110°	151.8	152.0	151.8	151.7	151.5	151.4	151.3	151.3	151.3	151.3	151.3



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	169.8	170.1	170.0	169.9	169.8	169.7	169.6	169.4	169.2	169.0	168.8
115°	196.9	197.2	197.2	197.1	197.0	196.9	196.7	196.3	195.9	195.5	195.1
117.5°	223.2	223.6	223.3	223.0	222.7	222.4	222.3	222.3	222.3	222.3	222.3
120°	239.9	240.0	239.8	239.5	239.3	239.1	239.0	239.1	239.2	239.2	239.3
122.5°	256.0	256.1	256.0	255.9	255.8	255.7	255.5	255.2	254.9	254.6	254.3
125°	279.6	280.0	280.0	280.0	280.0	280.0	279.7	279.1	278.6	278.0	277.5
127.5°	301.0	301.2	301.2	301.3	301.3	301.4	301.2	300.8	300.4	300.0	299.6
130°	315.1	315.3	315.2	315.1	315.1	315.0	314.8	314.4	314.0	313.6	313.2
132.5°	328.0	328.0	328.2	328.4	328.6	328.7	328.6	328.1	327.7	327.2	326.8
135°	347.3	347.5	347.6	347.8	347.9	348.1	347.9	347.5	347.0	346.5	346.1
137.5°	365.0	365.0	365.1	365.3	365.4	365.6	365.4	365.0	364.6	364.2	363.8
140°	375.9	375.8	375.8	375.9	376.0	376.1	376.0	375.9	375.7	375.6	375.4
142.5°	386.8	386.8	386.7	386.6	386.5	386.3	386.2	386.1	386.1	386.0	385.9
145°	402.0	401.9	401.9	401.9	401.9	401.9	401.8	401.7	401.5	401.4	401.2
147.5°	415.0	414.9	414.8	414.7	414.6	414.5	414.5	414.5	414.6	414.6	414.6
150°	423.3	423.1	423.0	422.8	422.6	422.5	422.5	422.6	422.8	423.0	423.1
152.5°	430.6	430.5	430.3	430.2	430.0	429.8	429.9	430.3	430.6	431.0	431.3
155°	440.7	440.4	440.3	440.1	440.0	439.8	440.0	440.4	440.9	441.4	441.9
157.5°	449.0	448.8	448.8	448.8	448.7	448.7	448.9	449.1	449.4	449.7	450.0
160°	454.2	453.9	453.8	453.7	453.6	453.6	453.8	454.2	454.7	455.2	455.6
162.5°	458.8	458.4	458.3	458.2	458.2	458.1	458.3	458.7	459.2	459.7	460.2
165°	464.9	464.5	464.4	464.3	464.2	464.2	464.4	464.8	465.3	465.8	466.2
167.5°	469.5	468.9	468.9	468.8	468.7	468.6	468.8	469.3	469.8	470.3	470.8
170°	471.8	471.2	471.1	471.0	471.0	470.9	471.1	471.7	472.2	472.8	473.3
172.5°	473.7	473.2	473.0	472.9	472.7	472.6	472.8	473.4	473.9	474.5	475.0
175°	475.7	475.1	475.0	474.9	474.8	474.8	475.0	475.4	475.9	476.4	476.8
177.5°	476.7	476.3	476.2	476.2	476.1	476.0	476.2	476.6	476.9	477.3	477.7
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-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°	14.2	14.9	16.6	19.5	21.2	23.5	24.7	23.7	21.6	20.1	18.6
90°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.1	5.7	6.0	6.4
92.5°	5.0	4.6	4.1	3.7	3.7	4.2	4.7	5.2	5.7	6.0	6.4
95°	19.9	19.7	19.4	19.2	17.6	14.6	11.6	8.6	5.7	6.0	6.4
97.5°	42.5	42.9	43.3	43.8	41.0	35.1	29.2	23.3	17.4	15.2	13.0
100°	59.3	59.5	59.7	60.0	60.2	60.6	60.9	61.2	61.5	49.8	38.1
102.5°	76.6	76.9	77.2	77.5	77.7	77.9	78.1	78.3	78.5	76.3	74.0
105°	104.2	104.6	104.9	105.2	105.3	105.3	105.3	105.3	105.3	105.3	105.3
107.5°	132.6	132.6	132.6	132.6	132.7	132.9	133.0	133.2	133.3	133.3	133.4
110°	151.3	151.3	151.3	151.3	151.4	151.5	151.7	151.8	152.0	151.8	151.5



TEST NUMBER: P333250

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	169.0	169.2	169.4	169.6	169.7	169.8	169.9	170.0	170.1	169.8	169.5
115°	195.5	195.9	196.3	196.7	196.9	197.0	197.1	197.2	197.2	196.9	196.6
117.5°	222.3	222.3	222.3	222.3	222.4	222.7	223.0	223.3	223.6	223.2	222.8
120°	239.2	239.2	239.1	239.0	239.1	239.3	239.5	239.8	240.0	239.9	239.7
122.5°	254.6	254.9	255.2	255.5	255.7	255.8	255.9	256.0	256.1	256.0	255.8
125°	278.0	278.6	279.1	279.7	280.0	280.0	280.0	280.0	280.0	279.6	279.3
127.5°	300.0	300.4	300.8	301.2	301.4	301.3	301.3	301.2	301.2	301.0	300.8
130°	313.6	314.0	314.4	314.8	315.0	315.1	315.1	315.2	315.3	315.1	314.8
132.5°	327.2	327.7	328.1	328.6	328.7	328.6	328.4	328.2	328.0	328.0	327.9
135°	346.5	347.0	347.5	347.9	348.1	347.9	347.8	347.6	347.5	347.3	347.2
137.5°	364.2	364.6	365.0	365.4	365.6	365.4	365.3	365.1	365.0	365.0	365.1
140°	375.6	375.7	375.9	376.0	376.1	376.0	375.9	375.8	375.8	375.9	376.1
142.5°	386.0	386.1	386.1	386.2	386.3	386.5	386.6	386.7	386.8	386.8	386.8
145°	401.4	401.5	401.7	401.8	401.9	401.9	401.9	401.9	401.9	402.0	402.1
147.5°	414.6	414.6	414.5	414.5	414.5	414.6	414.7	414.8	414.9	415.0	415.1
150°	423.0	422.8	422.6	422.5	422.5	422.6	422.8	423.0	423.1	423.3	423.4
152.5°	431.0	430.6	430.3	429.9	429.8	430.0	430.2	430.3	430.5	430.6	430.8
155°	441.4	440.9	440.4	440.0	439.8	440.0	440.1	440.3	440.4	440.7	440.9
157.5°	449.7	449.4	449.1	448.9	448.7	448.7	448.8	448.8	448.8	449.0	449.3
160°	455.2	454.7	454.2	453.8	453.6	453.6	453.7	453.8	453.9	454.2	454.5
162.5°	459.7	459.2	458.7	458.3	458.1	458.2	458.2	458.3	458.4	458.8	459.3
165°	465.8	465.3	464.8	464.4	464.2	464.2	464.3	464.4	464.5	464.9	465.4
167.5°	470.3	469.8	469.3	468.8	468.6	468.7	468.8	468.9	468.9	469.5	470.1
170°	472.8	472.2	471.7	471.1	470.9	471.0	471.0	471.1	471.2	471.8	472.4
172.5°	474.5	473.9	473.4	472.8	472.6	472.7	472.9	473.0	473.2	473.7	474.3
175°	476.4	475.9	475.4	475.0	474.8	474.8	474.9	475.0	475.1	475.7	476.3
177.5°	477.3	476.9	476.6	476.2	476.0	476.1	476.2	476.2	476.3	476.7	477.2
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8



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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°	18.6	16.6	16.6	16.1	16.2	15.7	14.7
90°	6.8	7.2	7.5	7.8	8.0	8.2	8.5
92.5°	6.8	7.2	7.5	7.6	7.7	7.8	7.9
95°	6.8	7.2	7.4	7.4	7.4	7.4	7.4
97.5°	10.7	8.5	7.4	7.4	7.4	7.4	7.4
100°	26.4	14.7	8.7	8.4	8.1	7.7	7.4
102.5°	71.8	69.6	65.8	60.5	55.2	49.8	44.5
105°	105.3	105.3	105.3	105.2	105.1	105.1	105.0
107.5°	133.4	133.4	133.3	133.1	132.8	132.6	132.3
110°	151.3	151.1	151.0	151.1	151.1	151.2	151.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	169.2	168.9	168.7	168.6	168.5	168.4	168.3
115°	196.3	196.0	195.6	195.1	194.7	194.2	193.7
117.5°	222.4	222.0	221.7	221.5	221.3	221.1	220.9
120°	239.5	239.4	239.1	238.7	238.3	237.9	237.5
122.5°	255.7	255.5	255.2	254.7	254.3	253.8	253.4
125°	279.0	278.7	278.4	278.2	278.0	277.7	277.5
127.5°	300.6	300.5	300.1	299.5	298.9	298.4	297.8
130°	314.6	314.4	314.0	313.7	313.3	312.9	312.5
132.5°	327.9	327.8	327.6	327.2	326.8	326.4	326.1
135°	347.0	346.8	346.5	346.1	345.6	345.1	344.6
137.5°	365.1	365.1	364.9	364.5	364.1	363.7	363.3
140°	376.2	376.4	376.2	375.8	375.3	374.8	374.3
142.5°	386.9	386.9	386.7	386.2	385.7	385.3	384.8
145°	402.1	402.2	402.0	401.6	401.1	400.6	400.1
147.5°	415.2	415.3	415.1	414.5	413.9	413.4	412.8
150°	423.6	423.7	423.5	422.9	422.3	421.6	421.0
152.5°	430.9	431.1	430.9	430.3	429.8	429.2	428.6
155°	441.1	441.4	441.2	440.6	439.9	439.3	438.7
157.5°	449.5	449.8	449.6	449.0	448.3	447.7	447.1
160°	454.8	455.1	455.0	454.3	453.7	453.1	452.5
162.5°	459.7	460.2	460.0	459.3	458.6	458.0	457.3
165°	465.9	466.4	466.3	465.7	465.0	464.4	463.8
167.5°	470.6	471.2	471.1	470.4	469.7	469.0	468.3
170°	473.1	473.7	473.7	473.0	472.3	471.5	470.8
172.5°	474.9	475.4	475.4	474.7	473.9	473.2	472.5
175°	477.0	477.6	477.6	476.8	476.1	475.4	474.7
177.5°	477.6	478.0	478.0	477.5	477.0	476.5	476.0
180°	476.8	476.8	476.8	476.8	476.8	476.8	476.8

(END OF REPORT)