

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: P333251

Luminaire Tested: **S125DIP-S1090D365U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333251
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: S125DIP-S1090D365U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5755.5 lumens
Efficiency: N/A
Efficacy: 132.3 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

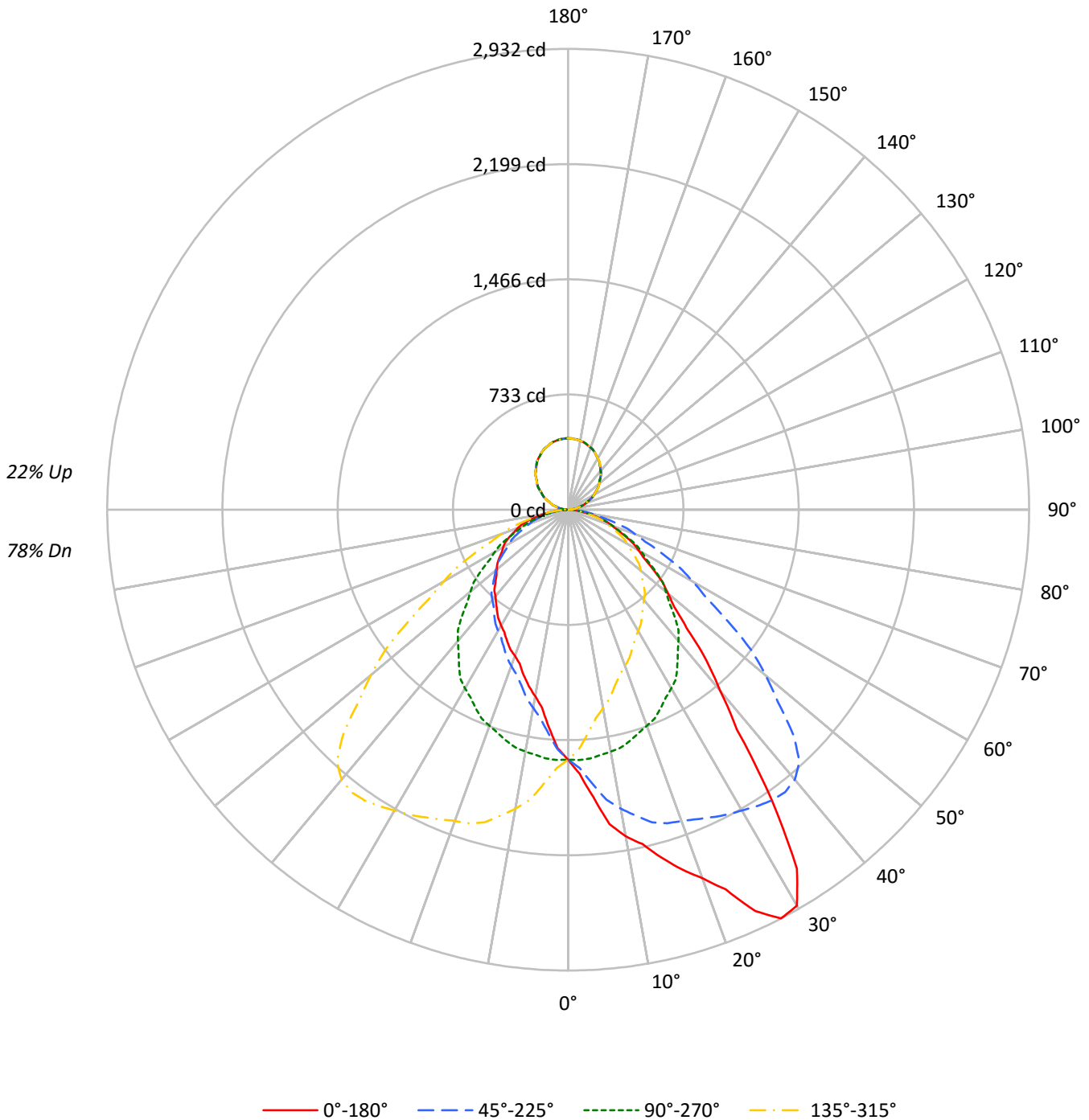
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78					78			
1	104	100	96	93	100	96	92	89	87	85	82	80	78	76	73	71	70	66					66			
2	95	88	82	76	91	84	78	74	77	73	69	71	67	64	65	62	59	56					56			
3	87	78	70	64	83	74	67	62	68	63	58	63	58	54	58	54	51	48					48			
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	52	47	44	41					41			
5	74	62	53	47	70	59	52	46	55	48	43	50	45	41	47	42	39	36					36			
6	68	56	47	41	65	53	46	40	49	43	38	46	40	36	42	38	34	32					32			
7	63	50	42	36	60	48	41	35	45	38	34	42	36	32	39	34	30	28					28			
8	59	46	38	32	56	44	37	32	41	35	30	38	33	29	36	31	27	25					25			
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	25	23					23			
10	51	39	31	26	49	37	30	26	35	29	24	33	27	23	30	26	22	20					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	2.7
10°-20°	455.8	7.9
20°-30°	740.1	12.9
30°-40°	902.8	15.7
40°-50°	821.3	14.3
50°-60°	654.2	11.4
60°-70°	455.6	7.9
70°-80°	243.0	4.2
80°-90°	62.3	1.1
90°-100°	30.4	0.5
100°-110°	89.8	1.6
110°-120°	152.1	2.6
120°-130°	200.2	3.5
130°-140°	224.4	3.9
140°-150°	219.9	3.8
150°-160°	184.7	3.2
160°-170°	122.8	2.1
170°-180°	43.0	0.7
0°-30°	1349.0	23.4
0°-40°	2251.8	39.1
0°-60°	3727.3	64.8
0°-90°	4488.2	78.0
90°-120°	272.4	4.7
90°-150°	916.9	15.9
90°-180°	1267.0	22.0
0°-180°	5755.5	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	7
95°	30	23	30	23	30	31
105°	88	81	88	81	88	93
115°	154	152	154	152	154	152
125°	224	222	224	222	224	200
135°	290	289	290	289	290	224
145°	352	350	352	350	352	220
155°	401	401	401	401	401	184
165°	435	436	435	436	435	123
175°	451	453	451	453	451	43
180°	454	454	454	454	454	



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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°	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6	14.1	13.6	12.9
95°	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3	27.8	27.2	26.4
97.5°	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4	43.9	43.3	42.2
100°	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5	54.8	54.1	53.1
102.5°	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9	66.2	65.4	64.9
105°	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4	84.9	84.5	84.0
107.5°	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4	105.1	104.9	104.5
110°	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2	119.0	118.8	118.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1	133.0	132.9	132.6
115°	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3	154.4	154.5	154.3
117.5°	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5	175.4	175.4	175.2
120°	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8	189.8	189.8	189.7
122.5°	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8	203.9	203.9	203.7
125°	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5	224.6	224.8	224.7
127.5°	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0	245.1	245.1	245.1
130°	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6	258.6	258.7	258.6
132.5°	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6	271.6	271.7	271.8
135°	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6	291.6	291.6	291.5
137.5°	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1	311.0	310.9	310.7
140°	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4	323.2	323.0	322.8
142.5°	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4	335.3	335.2	334.9
145°	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7	352.7	352.7	352.5
147.5°	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8	368.6	368.4	368.2
150°	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9	378.9	378.9	378.6
152.5°	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3	388.1	387.9	387.8
155°	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8	401.5	401.2	401.1
157.5°	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4	413.1	412.8	412.7
160°	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5	420.2	419.9	419.8
162.5°	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1	426.8	426.4	426.4
165°	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1	435.8	435.4	435.4
167.5°	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7	442.2	441.7	441.7
170°	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6	446.2	445.7	445.7
172.5°	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5	449.0	448.5	448.5
175°	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6	452.2	451.7	451.7
177.5°	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1	453.7	453.3	453.4
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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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°	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6	9.0	9.4	9.9
95°	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0	23.1	23.3	23.4
97.5°	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2	38.2	38.3	38.4
100°	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
102.5°	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6	62.0	62.3	62.6
105°	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6	81.0	81.4	81.8
107.5°	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5	101.9	102.3	102.7
110°	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9	116.3	116.7	117.1



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6	130.8	131.0	131.2
115°	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3	152.6	153.0	153.3
117.5°	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1	174.2	174.4	174.5
120°	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7	188.1	188.5	188.9
122.5°	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4	202.5	202.7	202.8
125°	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3	222.8	223.3	223.7
127.5°	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5	243.8	244.1	244.3
130°	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2	256.6	257.0	257.4
132.5°	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0	269.6	270.3	270.9
135°	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1	289.6	290.1	290.5
137.5°	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1	308.5	309.0	309.4
140°	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2	320.6	321.0	321.4
142.5°	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4	332.7	333.0	333.4
145°	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3	350.6	350.9	351.2
147.5°	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8	367.0	367.1	367.3
150°	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8	377.8	377.7	377.6
152.5°	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9	387.0	387.1	387.2
155°	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2	413.1	412.9	412.7
160°	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6	420.4	420.1	419.9
162.5°	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1	426.9	426.8	426.6
165°	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8	435.6	435.5	435.3
167.5°	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1	442.8	442.5	442.2
170°	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1	446.8	446.5	446.2
172.5°	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9	449.6	449.3	449.0
175°	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1	452.8	452.5	452.2
177.5°	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7	454.5	454.2	454.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

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°	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6	15.1	15.6	16.0
95°	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3	28.9	29.4	29.8
97.5°	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4	44.9	45.4	45.7
100°	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5	56.2	56.9	57.3
102.5°	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9	67.7	68.5	69.0
105°	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4	85.9	86.4	86.7
107.5°	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4	105.6	105.8	106.0
110°	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2	119.5	119.7	119.8



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1	133.2	133.3	133.3
115°	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3	154.2	154.1	154.1
117.5°	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5	175.6	175.6	175.5
120°	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8	189.8	189.8	189.6
122.5°	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8	203.7	203.7	203.5
125°	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5	224.3	224.2	224.0
127.5°	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0	244.9	244.8	244.7
130°	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6	258.5	258.4	258.3
132.5°	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6	271.5	271.4	271.3
135°	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6	291.6	291.6	291.4
137.5°	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1	311.2	311.3	311.1
140°	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4	323.5	323.7	323.6
142.5°	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4	335.5	335.6	335.4
145°	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7	352.7	352.7	352.6
147.5°	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8	369.0	369.2	369.0
150°	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9	378.9	378.9	378.8
152.5°	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3	388.5	388.7	388.6
155°	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8	402.1	402.4	402.4
157.5°	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4	413.8	414.1	414.0
160°	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5	420.8	421.1	421.1
162.5°	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1	427.5	427.9	427.9
165°	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1	436.4	436.7	436.6
167.5°	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7	443.1	443.6	443.6
170°	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6	447.1	447.6	447.5
172.5°	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5	449.9	450.4	450.4
175°	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6	453.1	453.6	453.5
177.5°	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1	454.5	454.8	454.8
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

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°	16.2	16.3	16.5	16.7	16.5	16.3	16.2	16.0	15.6	15.1	14.6
95°	29.9	30.1	30.2	30.4	30.2	30.1	29.9	29.8	29.4	28.9	28.3
97.5°	45.8	45.9	46.0	46.1	46.0	45.9	45.8	45.7	45.4	44.9	44.4
100°	57.5	57.7	57.8	58.0	57.8	57.7	57.5	57.3	56.9	56.2	55.5
102.5°	69.2	69.4	69.6	69.8	69.6	69.4	69.2	69.0	68.5	67.7	66.9
105°	86.9	87.2	87.4	87.7	87.4	87.2	86.9	86.7	86.4	85.9	85.4
107.5°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	106.0	105.8	105.6	105.4
110°	119.7	119.6	119.5	119.5	119.5	119.6	119.7	119.8	119.7	119.5	119.2



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.2	133.0	132.9	132.8	132.9	133.0	133.2	133.3	133.3	133.2	133.1
115°	154.0	153.9	153.8	153.7	153.8	153.9	154.0	154.1	154.1	154.2	154.3
117.5°	175.2	174.9	174.6	174.2	174.6	174.9	175.2	175.5	175.6	175.6	175.5
120°	189.3	189.0	188.7	188.4	188.7	189.0	189.3	189.6	189.8	189.8	189.8
122.5°	203.3	203.0	202.8	202.5	202.8	203.0	203.3	203.5	203.7	203.7	203.8
125°	224.0	223.9	223.8	223.7	223.8	223.9	224.0	224.0	224.2	224.3	224.5
127.5°	244.6	244.4	244.2	244.1	244.2	244.4	244.6	244.7	244.8	244.9	245.0
130°	258.1	258.0	257.8	257.7	257.8	258.0	258.1	258.3	258.4	258.5	258.6
132.5°	271.0	270.8	270.6	270.4	270.6	270.8	271.0	271.3	271.4	271.5	271.6
135°	291.1	290.8	290.5	290.2	290.5	290.8	291.1	291.4	291.6	291.6	291.6
137.5°	310.7	310.3	309.9	309.5	309.9	310.3	310.7	311.1	311.3	311.2	311.1
140°	323.2	322.8	322.4	322.0	322.4	322.8	323.2	323.6	323.7	323.5	323.4
142.5°	335.0	334.6	334.3	333.9	334.3	334.6	335.0	335.4	335.6	335.5	335.4
145°	352.4	352.1	351.9	351.7	351.9	352.1	352.4	352.6	352.7	352.7	352.7
147.5°	368.5	367.9	367.4	366.9	367.4	367.9	368.5	369.0	369.2	369.0	368.8
150°	378.7	378.5	378.3	378.2	378.3	378.5	378.7	378.8	378.9	378.9	378.9
152.5°	388.4	388.1	387.8	387.5	387.8	388.1	388.4	388.6	388.7	388.5	388.3
155°	402.0	401.6	401.2	400.8	401.2	401.6	402.0	402.4	402.4	402.1	401.8
157.5°	413.5	412.9	412.4	411.9	412.4	412.9	413.5	414.0	414.1	413.8	413.4
160°	420.7	420.3	419.9	419.5	419.9	420.3	420.7	421.1	421.1	420.8	420.5
162.5°	427.4	426.9	426.5	426.0	426.5	426.9	427.4	427.9	427.9	427.5	427.1
165°	436.1	435.7	435.2	434.7	435.2	435.7	436.1	436.6	436.7	436.4	436.1
167.5°	443.1	442.6	442.1	441.7	442.1	442.6	443.1	443.6	443.6	443.1	442.7
170°	447.0	446.4	445.9	445.3	445.9	446.4	447.0	447.5	447.6	447.1	446.6
172.5°	449.9	449.4	448.9	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5
175°	453.0	452.4	451.9	451.3	451.9	452.4	453.0	453.5	453.6	453.1	452.6
177.5°	454.4	453.9	453.5	453.0	453.5	453.9	454.4	454.8	454.8	454.5	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

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°	14.1	13.6	12.9	12.2	11.5	10.9	10.3	9.9	9.4	9.0	8.6
95°	27.8	27.2	26.4	25.6	24.9	24.1	23.6	23.4	23.3	23.1	23.0
97.5°	43.9	43.3	42.2	41.2	40.1	39.0	38.4	38.4	38.3	38.2	38.2
100°	54.8	54.1	53.1	52.0	51.0	50.0	49.5	49.5	49.5	49.5	49.5
102.5°	66.2	65.4	64.9	64.3	63.8	63.3	62.9	62.6	62.3	62.0	61.6
105°	84.9	84.5	84.0	83.5	83.1	82.6	82.2	81.8	81.4	81.0	80.6
107.5°	105.1	104.9	104.5	104.2	103.8	103.5	103.1	102.7	102.3	101.9	101.5
110°	119.0	118.8	118.5	118.3	118.0	117.8	117.5	117.1	116.7	116.3	115.9



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	133.0	132.9	132.6	132.3	132.0	131.7	131.4	131.2	131.0	130.8	130.6
115°	154.4	154.5	154.3	154.1	154.0	153.8	153.6	153.3	153.0	152.6	152.3
117.5°	175.4	175.4	175.2	175.1	175.0	174.8	174.7	174.5	174.4	174.2	174.1
120°	189.8	189.8	189.7	189.6	189.6	189.5	189.2	188.9	188.5	188.1	187.7
122.5°	203.9	203.9	203.7	203.5	203.3	203.1	202.9	202.8	202.7	202.5	202.4
125°	224.6	224.8	224.7	224.6	224.6	224.5	224.2	223.7	223.3	222.8	222.3
127.5°	245.1	245.1	245.1	245.0	244.9	244.8	244.6	244.3	244.1	243.8	243.5
130°	258.6	258.7	258.6	258.4	258.2	258.1	257.8	257.4	257.0	256.6	256.2
132.5°	271.6	271.7	271.8	271.8	271.8	271.9	271.5	270.9	270.3	269.6	269.0
135°	291.6	291.6	291.5	291.4	291.4	291.3	291.0	290.5	290.1	289.6	289.1
137.5°	311.0	310.9	310.7	310.5	310.4	310.2	309.9	309.4	309.0	308.5	308.1
140°	323.2	323.0	322.8	322.6	322.3	322.1	321.8	321.4	321.0	320.6	320.2
142.5°	335.3	335.2	334.9	334.6	334.3	334.0	333.7	333.4	333.0	332.7	332.4
145°	352.7	352.7	352.5	352.3	352.0	351.8	351.5	351.2	350.9	350.6	350.3
147.5°	368.6	368.4	368.2	368.1	367.9	367.7	367.5	367.3	367.1	367.0	366.8
150°	378.9	378.9	378.6	378.3	377.9	377.6	377.5	377.6	377.7	377.8	377.8
152.5°	388.1	387.9	387.8	387.7	387.6	387.4	387.3	387.2	387.1	387.0	386.9
155°	401.5	401.2	401.1	401.0	400.9	400.8	400.8	400.8	400.8	400.8	400.8
157.5°	413.1	412.8	412.7	412.7	412.6	412.5	412.6	412.7	412.9	413.1	413.2
160°	420.2	419.9	419.8	419.7	419.7	419.6	419.7	419.9	420.1	420.4	420.6
162.5°	426.8	426.4	426.4	426.4	426.3	426.3	426.4	426.6	426.8	426.9	427.1
165°	435.8	435.4	435.4	435.3	435.2	435.1	435.2	435.3	435.5	435.6	435.8
167.5°	442.2	441.7	441.7	441.7	441.7	441.7	441.9	442.2	442.5	442.8	443.1
170°	446.2	445.7	445.7	445.7	445.7	445.7	445.8	446.2	446.5	446.8	447.1
172.5°	449.0	448.5	448.5	448.5	448.5	448.5	448.7	449.0	449.3	449.6	449.9
175°	452.2	451.7	451.7	451.7	451.7	451.7	451.9	452.2	452.5	452.8	453.1
177.5°	453.7	453.3	453.4	453.5	453.5	453.6	453.7	454.0	454.2	454.5	454.7
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



TEST NUMBER: P333251

CATALOG NUMBER: S125DIP-S1090D365U835-4F0-1E-UDD-A1

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°	9.0	9.4	9.9	10.3	10.9	11.5	12.2	12.9	13.6	14.1	14.6
95°	23.1	23.3	23.4	23.6	24.1	24.9	25.6	26.4	27.2	27.8	28.3
97.5°	38.2	38.3	38.4	38.4	39.0	40.1	41.2	42.2	43.3	43.9	44.4
100°	49.5	49.5	49.5	49.5	50.0	51.0	52.0	53.1	54.1	54.8	55.5
102.5°	62.0	62.3	62.6	62.9	63.3	63.8	64.3	64.9	65.4	66.2	66.9
105°	81.0	81.4	81.8	82.2	82.6	83.1	83.5	84.0	84.5	84.9	85.4
107.5°	101.9	102.3	102.7	103.1	103.5	103.8	104.2	104.5	104.9	105.1	105.4
110°	116.3	116.7	117.1	117.5	117.8	118.0	118.3	118.5	118.8	119.0	119.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.8	131.0	131.2	131.4	131.7	132.0	132.3	132.6	132.9	133.0	133.1
115°	152.6	153.0	153.3	153.6	153.8	154.0	154.1	154.3	154.5	154.4	154.3
117.5°	174.2	174.4	174.5	174.7	174.8	175.0	175.1	175.2	175.4	175.4	175.5
120°	188.1	188.5	188.9	189.2	189.5	189.6	189.6	189.7	189.8	189.8	189.8
122.5°	202.5	202.7	202.8	202.9	203.1	203.3	203.5	203.7	203.9	203.9	203.8
125°	222.8	223.3	223.7	224.2	224.5	224.6	224.6	224.7	224.8	224.6	224.5
127.5°	243.8	244.1	244.3	244.6	244.8	244.9	245.0	245.1	245.1	245.1	245.0
130°	256.6	257.0	257.4	257.8	258.1	258.2	258.4	258.6	258.7	258.6	258.6
132.5°	269.6	270.3	270.9	271.5	271.9	271.8	271.8	271.8	271.7	271.6	271.6
135°	289.6	290.1	290.5	291.0	291.3	291.4	291.4	291.5	291.6	291.6	291.6
137.5°	308.5	309.0	309.4	309.9	310.2	310.4	310.5	310.7	310.9	311.0	311.1
140°	320.6	321.0	321.4	321.8	322.1	322.3	322.6	322.8	323.0	323.2	323.4
142.5°	332.7	333.0	333.4	333.7	334.0	334.3	334.6	334.9	335.2	335.3	335.4
145°	350.6	350.9	351.2	351.5	351.8	352.0	352.3	352.5	352.7	352.7	352.7
147.5°	367.0	367.1	367.3	367.5	367.7	367.9	368.1	368.2	368.4	368.6	368.8
150°	377.8	377.7	377.6	377.5	377.6	377.9	378.3	378.6	378.9	378.9	378.9
152.5°	387.0	387.1	387.2	387.3	387.4	387.6	387.7	387.8	387.9	388.1	388.3
155°	400.8	400.8	400.8	400.8	400.8	400.9	401.0	401.1	401.2	401.5	401.8
157.5°	413.1	412.9	412.7	412.6	412.5	412.6	412.7	412.7	412.8	413.1	413.4
160°	420.4	420.1	419.9	419.7	419.6	419.7	419.7	419.8	419.9	420.2	420.5
162.5°	426.9	426.8	426.6	426.4	426.3	426.3	426.4	426.4	426.4	426.8	427.1
165°	435.6	435.5	435.3	435.2	435.1	435.2	435.3	435.4	435.4	435.8	436.1
167.5°	442.8	442.5	442.2	441.9	441.7	441.7	441.7	441.7	441.7	442.2	442.7
170°	446.8	446.5	446.2	445.8	445.7	445.7	445.7	445.7	445.7	446.2	446.6
172.5°	449.6	449.3	449.0	448.7	448.5	448.5	448.5	448.5	448.5	449.0	449.5
175°	452.8	452.5	452.2	451.9	451.7	451.7	451.7	451.7	451.7	452.2	452.6
177.5°	454.5	454.2	454.0	453.7	453.6	453.5	453.5	453.4	453.3	453.7	454.1
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2



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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°	15.1	15.6	16.0	16.2	16.3	16.5	16.7
95°	28.9	29.4	29.8	29.9	30.1	30.2	30.4
97.5°	44.9	45.4	45.7	45.8	45.9	46.0	46.1
100°	56.2	56.9	57.3	57.5	57.7	57.8	58.0
102.5°	67.7	68.5	69.0	69.2	69.4	69.6	69.8
105°	85.9	86.4	86.7	86.9	87.2	87.4	87.7
107.5°	105.6	105.8	106.0	105.9	105.9	105.9	105.9
110°	119.5	119.7	119.8	119.7	119.6	119.5	119.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.2	133.3	133.3	133.2	133.0	132.9	132.8
115°	154.2	154.1	154.1	154.0	153.9	153.8	153.7
117.5°	175.6	175.6	175.5	175.2	174.9	174.6	174.2
120°	189.8	189.8	189.6	189.3	189.0	188.7	188.4
122.5°	203.7	203.7	203.5	203.3	203.0	202.8	202.5
125°	224.3	224.2	224.0	224.0	223.9	223.8	223.7
127.5°	244.9	244.8	244.7	244.6	244.4	244.2	244.1
130°	258.5	258.4	258.3	258.1	258.0	257.8	257.7
132.5°	271.5	271.4	271.3	271.0	270.8	270.6	270.4
135°	291.6	291.6	291.4	291.1	290.8	290.5	290.2
137.5°	311.2	311.3	311.1	310.7	310.3	309.9	309.5
140°	323.5	323.7	323.6	323.2	322.8	322.4	322.0
142.5°	335.5	335.6	335.4	335.0	334.6	334.3	333.9
145°	352.7	352.7	352.6	352.4	352.1	351.9	351.7
147.5°	369.0	369.2	369.0	368.5	367.9	367.4	366.9
150°	378.9	378.9	378.8	378.7	378.5	378.3	378.2
152.5°	388.5	388.7	388.6	388.4	388.1	387.8	387.5
155°	402.1	402.4	402.4	402.0	401.6	401.2	400.8
157.5°	413.8	414.1	414.0	413.5	412.9	412.4	411.9
160°	420.8	421.1	421.1	420.7	420.3	419.9	419.5
162.5°	427.5	427.9	427.9	427.4	426.9	426.5	426.0
165°	436.4	436.7	436.6	436.1	435.7	435.2	434.7
167.5°	443.1	443.6	443.6	443.1	442.6	442.1	441.7
170°	447.1	447.6	447.5	447.0	446.4	445.9	445.3
172.5°	449.9	450.4	450.4	449.9	449.4	448.9	448.4
175°	453.1	453.6	453.5	453.0	452.4	451.9	451.3
177.5°	454.5	454.8	454.8	454.4	453.9	453.5	453.0
180°	454.2	454.2	454.2	454.2	454.2	454.2	454.2

(END OF REPORT)