

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: P333279-930

Luminaire Tested: **S125DIP-S1090D1035U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333279-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1090D1035U930-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6688.0 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

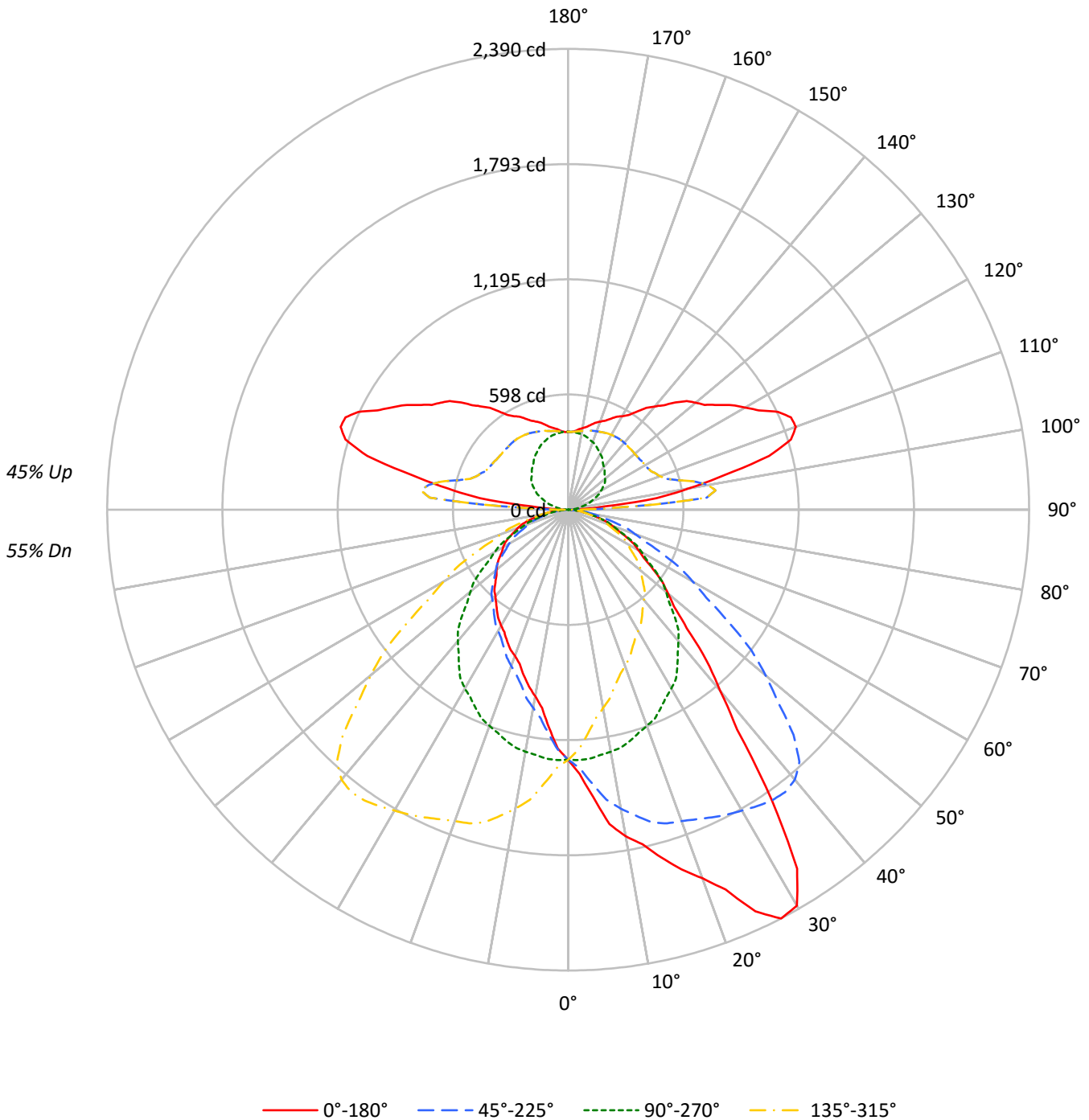
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	33	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

**AVERAGE LUMINANCE (cd/sqm):**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.9
10°-20°	371.6	5.6
20°-30°	603.4	9.0
30°-40°	736.0	11.0
40°-50°	669.6	10.0
50°-60°	533.4	8.0
60°-70°	371.5	5.6
70°-80°	198.1	3.0
80°-90°	52.3	0.8
90°-100°	292.6	4.4
100°-110°	629.0	9.4
110°-120°	590.3	8.8
120°-130°	478.4	7.2
130°-140°	383.9	5.7
140°-150°	289.7	4.3
150°-160°	203.9	3.0
160°-170°	120.2	1.8
170°-180°	39.1	0.6
0°-30°	1099.8	16.4
0°-40°	1835.9	27.5
0°-60°	3038.8	45.4
0°-90°	3660.7	54.7
90°-120°	1512.0	22.6
90°-150°	2664.1	39.8
90°-180°	3027.0	45.3
0°-180°	6688.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	42
90°	19	1	19	1	19	14
95°	191	27	191	27	191	271
105°	1078	92	1078	92	1078	1072
115°	1201	164	1201	164	1201	1174
125°	947	228	947	228	947	856
135°	786	267	786	267	786	609
145°	620	311	620	311	620	394
155°	520	355	520	355	520	242
165°	456	387	456	387	456	130
175°	409	403	409	403	409	40
180°	404	404	404	404	404	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	14.3	15.2	15.5	15.5	15.9	15.6	17.2	17.0	18.2	19.3	20.8
90°	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7	13.9	13.0	11.4
92.5°	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2	212.4	262.4	266.6
95°	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2	705.6	721.1	588.5
97.5°	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6	892.8	770.1	525.5
100°	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1	938.4	734.9	468.8
102.5°	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7	911.1	673.1	425.8
105°	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0	823.7	590.0	384.2
107.5°	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2	734.4	533.0	366.6
110°	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5	683.6	506.2	361.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1	645.9	490.6	361.3
115°	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0	604.7	473.7	363.8
117.5°	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7	580.2	465.4	369.2
120°	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3	566.5	461.5	374.4
122.5°	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7	554.7	458.2	379.0
125°	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2	538.8	454.1	386.6
127.5°	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1	524.2	452.2	395.3
130°	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9	514.4	450.9	400.5
132.5°	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5	506.5	450.9	406.3
135°	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3	497.3	450.9	414.3
137.5°	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5	489.0	451.8	421.6
140°	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7	485.1	452.5	424.9
142.5°	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2	481.8	453.1	426.8
145°	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1	477.0	452.5	428.9
147.5°	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8	471.9	450.4	429.7
150°	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9	468.0	448.4	429.7
152.5°	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4	463.4	445.9	429.1
155°	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6	455.8	441.2	427.3
157.5°	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8	448.6	436.3	425.2
160°	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3	442.8	433.0	423.2
162.5°	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2	437.6	429.1	421.3
165°	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3	429.7	423.2	418.3
167.5°	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8	422.1	417.5	413.8
170°	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6	417.5	414.3	411.8
172.5°	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7	412.9	410.3	409.2
175°	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4	406.9	406.1	406.1
177.5°	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0	404.3	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	21.5	20.3	18.3	16.7	14.2	12.6	11.7	12.1	10.9	10.8	11.6
90°	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8	1.6	3.3	4.9
92.5°	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9	12.1	18.9	28.9
95°	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8	27.6	34.2	43.1
97.5°	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6	45.6	50.1	59.1
100°	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0	58.6	61.9	70.8
102.5°	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7	71.6	74.2	83.8
105°	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0	92.0	96.0	104.2
107.5°	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8	114.5	118.3	125.0
110°	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8	129.4	132.6	140.0





TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8	144.4	147.0	154.3
115°	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4	166.0	168.4	175.8
117.5°	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9	186.4	189.0	196.3
120°	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0	199.4	202.7	210.0
122.5°	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7	212.4	215.0	222.3
125°	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9	229.5	233.6	240.9
127.5°	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4	243.9	249.1	258.4
130°	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9	252.3	258.9	269.4
132.5°	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4	259.4	267.3	279.2
135°	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9	270.2	280.0	293.0
137.5°	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3	282.7	291.9	304.9
140°	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1	290.6	300.4	313.3
142.5°	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3	299.1	308.1	321.1
145°	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9	312.5	320.7	332.1
147.5°	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2	326.2	333.2	343.8
150°	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7	335.3	341.0	351.6
152.5°	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8	343.8	348.9	358.1
155°	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8	354.8	359.7	367.9
157.5°	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6	365.4	369.3	376.3
160°	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8	371.9	375.2	380.9
162.5°	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6	377.8	381.1	386.1
165°	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4	385.8	388.2	392.3
167.5°	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3	392.5	394.0	396.2
170°	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2	396.4	397.2	398.8
172.5°	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8	398.4	399.2	400.7
175°	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8	401.2	402.0	402.8
177.5°	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3	403.0	403.0	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	12.3	13.5	13.2	14.0	14.2	15.4	15.1	17.0	18.1	19.1	19.0
90°	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7	15.5	16.3	17.9
92.5°	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2	104.7	78.8	66.8
95°	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2	461.5	361.3	293.0
97.5°	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6	784.7	687.2	592.2
100°	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1	961.2	877.3	792.7
102.5°	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7	1069.3	1029.1	971.8
105°	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0	1130.5	1166.3	1157.3
107.5°	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2	1076.0	1167.9	1210.4
110°	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5	1014.1	1128.9	1198.1



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1	952.9	1068.9	1150.6
115°	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0	865.2	976.6	1065.4
117.5°	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7	804.5	900.5	981.9
120°	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3	770.0	859.5	931.1
122.5°	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7	745.2	824.9	892.0
125°	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2	712.2	782.9	841.6
127.5°	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1	680.6	746.7	801.5
130°	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9	658.4	721.9	774.9
132.5°	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5	637.6	695.2	746.2
135°	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3	605.5	657.6	704.0
137.5°	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5	576.9	620.2	659.6
140°	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7	559.9	597.4	631.6
142.5°	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2	545.6	577.9	607.5
145°	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1	527.4	552.6	574.6
147.5°	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8	512.3	531.7	548.2
150°	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9	503.8	519.3	533.9
152.5°	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4	495.3	509.5	520.9
155°	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6	482.7	494.1	503.0
157.5°	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8	470.6	479.4	486.4
160°	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3	461.5	469.6	475.3
162.5°	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2	453.6	460.5	465.5
165°	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3	442.0	446.9	450.9
167.5°	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8	430.6	434.3	437.2
170°	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6	424.0	426.5	428.1
172.5°	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7	418.2	420.0	420.9
175°	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4	409.4	411.0	411.0
177.5°	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0	405.6	405.6	405.6
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	19.9	19.4	19.6	20.5	19.6	19.4	19.9	19.0	19.1	18.1	17.0
90°	17.9	17.9	18.8	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7
92.5°	56.3	54.4	53.2	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2
95°	235.2	210.8	204.3	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2
97.5°	541.9	496.3	472.7	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6
100°	736.5	678.0	647.8	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1
102.5°	911.7	870.1	837.3	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7
105°	1131.3	1104.5	1088.2	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0
107.5°	1223.6	1223.4	1218.1	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2
110°	1234.7	1250.1	1255.8	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5



TEST NUMBER: P333279-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1204.0	1230.6	1244.8	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1
115°	1128.9	1167.9	1190.7	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0
117.5°	1045.4	1085.7	1108.3	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7
120°	991.3	1030.4	1052.4	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3
122.5°	945.7	981.5	1003.6	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7
125°	887.1	920.5	938.4	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2
127.5°	842.9	872.3	889.2	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1
130°	815.5	842.4	858.7	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9
132.5°	786.8	813.8	828.7	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5
135°	739.8	766.7	781.3	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3
137.5°	691.6	716.1	729.6	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5
140°	661.7	682.9	695.0	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7
142.5°	633.1	650.9	662.5	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2
145°	594.1	608.0	616.9	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1
147.5°	563.7	574.8	580.0	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8
150°	546.1	555.9	559.1	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9
152.5°	531.2	539.0	542.2	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4
155°	511.1	516.8	519.3	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6
157.5°	492.8	497.4	499.7	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8
160°	481.0	485.1	486.7	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3
162.5°	469.9	473.4	473.7	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2
165°	454.1	455.8	455.8	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3
167.5°	438.9	440.3	439.7	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8
170°	429.7	430.6	430.6	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6
172.5°	421.3	422.7	421.4	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7
175°	411.0	411.8	410.2	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4
177.5°	405.0	405.6	403.7	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	15.1	15.4	14.2	14.0	13.2	13.5	12.3	11.6	10.8	10.9	12.1
90°	13.9	13.0	11.4	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8
92.5°	212.4	262.4	266.6	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9
95°	705.6	721.1	588.5	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8
97.5°	892.8	770.1	525.5	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6
100°	938.4	734.9	468.8	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0
102.5°	911.1	673.1	425.8	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7
105°	823.7	590.0	384.2	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0
107.5°	734.4	533.0	366.6	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8
110°	683.6	506.2	361.3	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.9	490.6	361.3	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8
115°	604.7	473.7	363.8	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4
117.5°	580.2	465.4	369.2	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9
120°	566.5	461.5	374.4	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0
122.5°	554.7	458.2	379.0	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7
125°	538.8	454.1	386.6	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9
127.5°	524.2	452.2	395.3	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4
130°	514.4	450.9	400.5	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9
132.5°	506.5	450.9	406.3	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4
135°	497.3	450.9	414.3	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9
137.5°	489.0	451.8	421.6	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3
140°	485.1	452.5	424.9	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1
142.5°	481.8	453.1	426.8	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3
145°	477.0	452.5	428.9	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9
147.5°	471.9	450.4	429.7	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2
150°	468.0	448.4	429.7	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7
152.5°	463.4	445.9	429.1	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8
155°	455.8	441.2	427.3	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8
157.5°	448.6	436.3	425.2	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6
160°	442.8	433.0	423.2	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8
162.5°	437.6	429.1	421.3	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6
165°	429.7	423.2	418.3	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4
167.5°	422.1	417.5	413.8	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3
170°	417.5	414.3	411.8	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2
172.5°	412.9	410.3	409.2	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8
175°	406.9	406.1	406.1	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8
177.5°	404.3	403.7	403.7	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333279-930

CATALOG NUMBER: S125DIP-S1090D1035U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	11.7	12.6	14.2	16.7	18.3	20.3	21.5	20.8	19.3	18.2	17.0
90°	1.6	3.3	4.9	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7
92.5°	12.1	18.9	28.9	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2
95°	27.6	34.2	43.1	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2
97.5°	45.6	50.1	59.1	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6
100°	58.6	61.9	70.8	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1
102.5°	71.6	74.2	83.8	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7
105°	92.0	96.0	104.2	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0
107.5°	114.5	118.3	125.0	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2
110°	129.4	132.6	140.0	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	147.0	154.3	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1
115°	166.0	168.4	175.8	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0
117.5°	186.4	189.0	196.3	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7
120°	199.4	202.7	210.0	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3
122.5°	212.4	215.0	222.3	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7
125°	229.5	233.6	240.9	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2
127.5°	243.9	249.1	258.4	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1
130°	252.3	258.9	269.4	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9
132.5°	259.4	267.3	279.2	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5
135°	270.2	280.0	293.0	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3
137.5°	282.7	291.9	304.9	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5
140°	290.6	300.4	313.3	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7
142.5°	299.1	308.1	321.1	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2
145°	312.5	320.7	332.1	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1
147.5°	326.2	333.2	343.8	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8
150°	335.3	341.0	351.6	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9
152.5°	343.8	348.9	358.1	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4
155°	354.8	359.7	367.9	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6
157.5°	365.4	369.3	376.3	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8
160°	371.9	375.2	380.9	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3
162.5°	377.8	381.1	386.1	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2
165°	385.8	388.2	392.3	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3
167.5°	392.5	394.0	396.2	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8
170°	396.4	397.2	398.8	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6
172.5°	398.4	399.2	400.7	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7
175°	401.2	402.0	402.8	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4
177.5°	403.0	403.0	403.7	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	17.2	15.6	15.9	15.5	15.5	15.2	14.3
90°	15.5	16.3	17.9	17.9	17.9	18.8	18.8
92.5°	104.7	78.8	66.8	56.3	54.4	53.2	51.9
95°	461.5	361.3	293.0	235.2	210.8	204.3	191.3
97.5°	784.7	687.2	592.2	541.9	496.3	472.7	462.3
100°	961.2	877.3	792.7	736.5	678.0	647.8	634.9
102.5°	1069.3	1029.1	971.8	911.7	870.1	837.3	827.5
105°	1130.5	1166.3	1157.3	1131.3	1104.5	1088.2	1078.4
107.5°	1076.0	1167.9	1210.4	1223.6	1223.4	1218.1	1211.5
110°	1014.1	1128.9	1198.1	1234.7	1250.1	1255.8	1255.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	952.9	1068.9	1150.6	1204.0	1230.6	1244.8	1250.6
115°	865.2	976.6	1065.4	1128.9	1167.9	1190.7	1201.3
117.5°	804.5	900.5	981.9	1045.4	1085.7	1108.3	1114.8
120°	770.0	859.5	931.1	991.3	1030.4	1052.4	1058.9
122.5°	745.2	824.9	892.0	945.7	981.5	1003.6	1009.4
125°	712.2	782.9	841.6	887.1	920.5	938.4	946.6
127.5°	680.6	746.7	801.5	842.9	872.3	889.2	892.8
130°	658.4	721.9	774.9	815.5	842.4	858.7	863.6
132.5°	637.6	695.2	746.2	786.8	813.8	828.7	834.2
135°	605.5	657.6	704.0	739.8	766.7	781.3	786.2
137.5°	576.9	620.2	659.6	691.6	716.1	729.6	734.9
140°	559.9	597.4	631.6	661.7	682.9	695.0	699.1
142.5°	545.6	577.9	607.5	633.1	650.9	662.5	665.9
145°	527.4	552.6	574.6	594.1	608.0	616.9	620.2
147.5°	512.3	531.7	548.2	563.7	574.8	580.0	581.5
150°	503.8	519.3	533.9	546.1	555.9	559.1	559.9
152.5°	495.3	509.5	520.9	531.2	539.0	542.2	543.0
155°	482.7	494.1	503.0	511.1	516.8	519.3	520.1
157.5°	470.6	479.4	486.4	492.8	497.4	499.7	499.5
160°	461.5	469.6	475.3	481.0	485.1	486.7	485.9
162.5°	453.6	460.5	465.5	469.9	473.4	473.7	473.5
165°	442.0	446.9	450.9	454.1	455.8	455.8	455.8
167.5°	430.6	434.3	437.2	438.9	440.3	439.7	439.5
170°	424.0	426.5	428.1	429.7	430.6	430.6	429.7
172.5°	418.2	420.0	420.9	421.3	422.7	421.4	420.6
175°	409.4	411.0	411.0	411.0	411.8	410.2	409.4
177.5°	405.6	405.6	405.6	405.0	405.6	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7

(END OF REPORT)