

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: P333252-927

Luminaire Tested: **S125DIP-S1090D365U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333252-927  
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-S1090D365U927-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

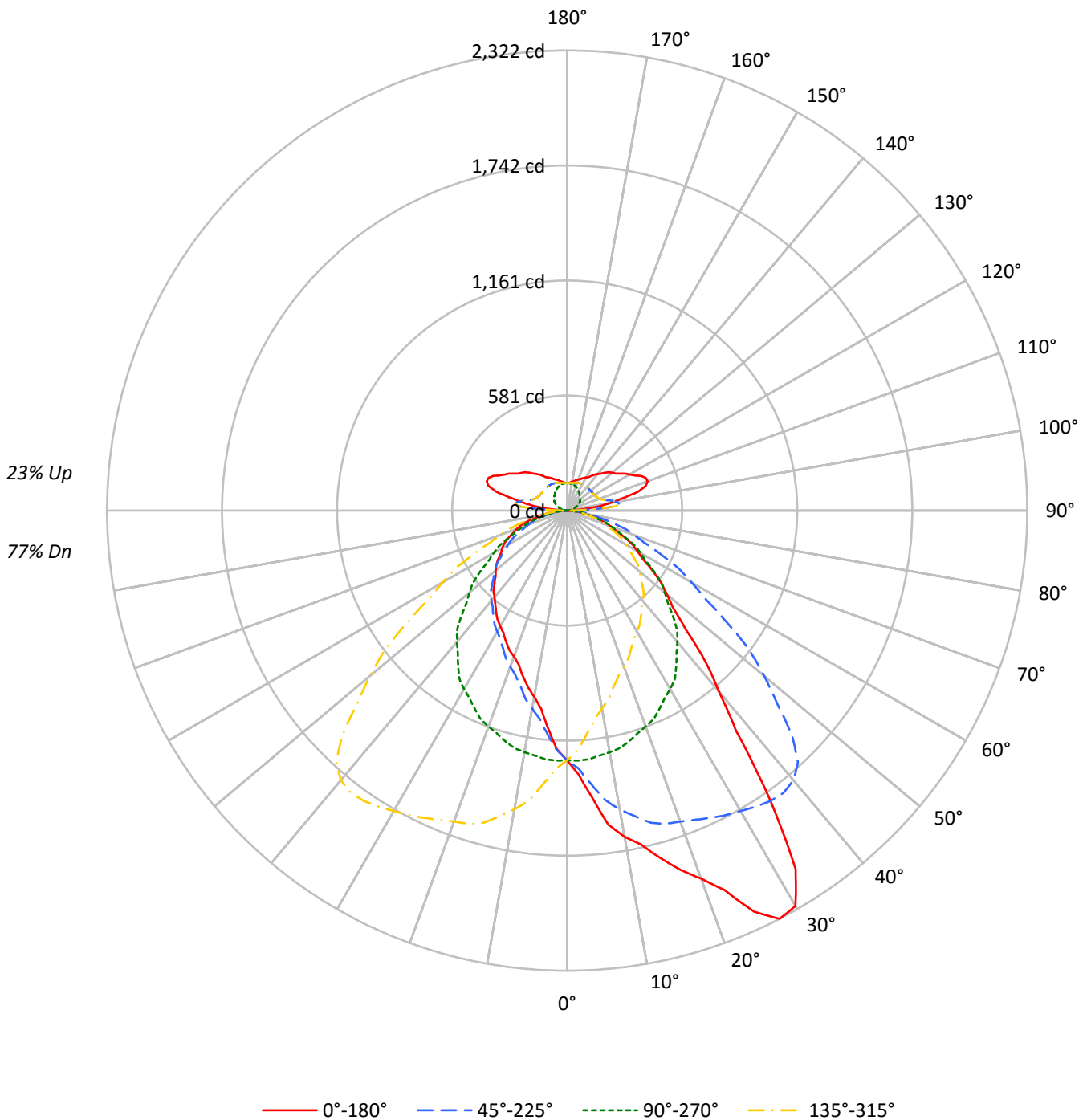
Lumens per Lamp: N/A  
Luminaire Lumens: 4596.8 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (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



TEST NUMBER: P333252-927

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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	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81	77
1	104	100	96	92	99	95	92	89	87	84	82	79	77	75	72	71	69	66
2	95	88	81	76	91	84	78	74	77	72	68	70	67	64	64	61	59	56
3	87	77	70	64	83	74	67	62	68	62	58	62	58	54	57	54	51	47
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	41
5	74	62	53	47	70	59	51	46	54	48	43	50	45	41	46	42	38	36
6	68	55	47	41	65	53	46	40	49	43	38	46	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	34	30	28
8	59	46	38	32	56	44	37	31	41	35	30	38	32	28	35	31	27	25
9	55	42	34	29	52	40	33	28	38	31	27	35	30	26	33	28	24	22
10	51	39	31	26	49	37	30	25	35	29	24	32	27	23	30	26	22	20

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

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.3	2.6
10°-20°	361.1	7.9
20°-30°	586.3	12.8
30°-40°	715.2	15.6
40°-50°	650.6	14.2
50°-60°	518.2	11.3
60°-70°	361.0	7.9
70°-80°	192.5	4.2
80°-90°	49.4	1.1
90°-100°	100.7	2.2
100°-110°	216.4	4.7
110°-120°	203.1	4.4
120°-130°	164.6	3.6
130°-140°	132.1	2.9
140°-150°	99.7	2.2
150°-160°	70.1	1.5
160°-170°	41.4	0.9
170°-180°	13.5	0.3
0°-30°	1068.7	23.2
0°-40°	1783.8	38.8
0°-60°	2952.7	64.2
0°-90°	3555.5	77.3
90°-120°	520.1	11.3
90°-150°	916.4	19.9
90°-180°	1041.0	22.6
0°-180°	4596.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	6	0	6	0	6	6
95°	66	9	66	9	66	93
105°	371	32	371	32	371	369
115°	413	57	413	57	413	404
125°	326	78	326	78	326	295
135°	270	92	270	92	270	210
145°	213	107	213	107	213	136
155°	179	122	179	122	179	83
165°	157	133	157	133	157	45
175°	141	139	141	139	141	14
180°	139	139	139	139	139	



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	11.6	12.4	12.8	12.8	13.2	13.1	14.7	14.7	15.9	17.1	18.8
90°	6.4	6.4	6.2	6.2	6.2	5.6	5.3	5.1	4.8	4.5	3.9
92.5°	17.8	18.3	18.7	19.4	23.0	27.1	36.0	49.6	73.0	90.2	91.7
95°	65.8	70.3	72.5	80.9	100.8	124.3	158.8	201.3	242.7	248.0	202.4
97.5°	159.0	162.6	170.7	186.4	203.7	236.4	270.0	299.8	307.1	264.9	180.8
100°	218.4	222.8	233.2	253.3	272.7	301.8	330.7	344.4	322.8	252.8	161.3
102.5°	284.7	288.0	299.3	313.6	334.3	354.0	367.8	359.3	313.4	231.6	146.5
105°	371.0	374.3	379.9	389.1	398.2	401.2	388.9	350.5	283.4	203.0	132.1
107.5°	416.8	419.0	420.9	420.9	416.4	401.7	370.1	318.9	252.6	183.3	126.1
110°	432.0	432.0	430.0	424.7	412.1	388.3	348.9	295.6	235.2	174.1	124.3



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	430.2	428.2	423.3	414.2	395.8	367.7	327.8	277.3	222.2	168.7	124.3
115°	413.2	409.6	401.7	388.3	366.5	336.0	297.6	254.2	208.0	163.0	125.2
117.5°	383.5	381.3	373.5	359.6	337.8	309.7	276.7	239.3	199.6	160.1	127.0
120°	364.2	362.0	354.4	341.0	320.3	295.6	264.8	231.2	194.9	158.8	128.8
122.5°	347.2	345.2	337.6	325.3	306.8	283.8	256.4	225.2	190.8	157.6	130.3
125°	325.6	322.8	316.6	305.1	289.5	269.3	244.9	216.4	185.4	156.2	133.0
127.5°	307.1	305.9	300.1	289.9	275.7	256.8	234.1	207.5	180.3	155.6	135.9
130°	297.1	295.4	289.8	280.5	266.6	248.3	226.5	201.8	177.0	155.1	137.8
132.5°	286.9	285.0	279.9	270.7	256.7	239.2	219.4	196.2	174.3	155.1	139.7
135°	270.5	268.8	263.7	254.5	242.2	226.2	208.3	189.0	171.0	155.1	142.5
137.5°	252.8	251.0	246.3	237.9	226.9	213.3	198.4	182.8	168.2	155.4	145.0
140°	240.5	239.1	234.9	227.6	217.2	205.5	192.6	179.4	166.8	155.7	146.2
142.5°	229.1	227.9	223.9	217.8	209.0	198.8	187.7	176.6	165.7	155.9	146.8
145°	213.3	212.2	209.1	204.4	197.6	190.1	181.4	172.8	164.1	155.7	147.5
147.5°	200.0	199.5	197.7	193.9	188.6	182.9	176.2	169.1	162.3	155.0	147.8
150°	192.6	192.3	191.2	187.8	183.6	178.6	173.3	167.2	161.0	154.2	147.8
152.5°	186.8	186.5	185.4	182.7	179.2	175.2	170.4	164.9	159.4	153.4	147.6
155°	178.9	178.6	177.8	175.8	173.0	169.9	166.0	161.5	156.8	151.8	146.9
157.5°	171.8	171.9	171.1	169.5	167.3	164.9	161.8	158.2	154.3	150.0	146.2
160°	167.2	167.4	166.8	165.5	163.5	161.5	158.8	156.0	152.3	148.9	145.6
162.5°	162.9	163.0	162.8	161.7	160.2	158.4	156.1	153.4	150.5	147.6	144.9
165°	156.8	156.8	156.8	156.2	155.1	153.7	152.0	150.0	147.8	145.6	143.9
167.5°	151.1	151.2	151.5	151.0	150.4	149.4	148.1	146.8	145.2	143.6	142.4
170°	147.8	148.1	148.1	147.8	147.3	146.7	145.8	145.0	143.6	142.5	141.6
172.5°	144.7	145.0	145.4	144.9	144.8	144.5	143.9	143.0	142.0	141.2	140.8
175°	140.9	141.1	141.6	141.4	141.4	141.4	140.9	140.9	140.0	139.7	139.7
177.5°	138.9	138.9	139.5	139.3	139.5	139.5	139.5	139.3	139.1	138.9	138.9
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	19.6	18.6	16.8	15.4	13.2	11.8	11.2	11.6	10.4	10.1	10.6
90°	3.6	3.1	2.8	2.2	1.7	1.1	0.6	0.3	0.6	1.1	1.7
92.5°	63.8	38.3	23.0	14.8	10.0	6.5	4.1	3.4	4.1	6.5	10.0
95°	125.2	63.5	33.6	21.0	14.8	11.7	9.5	9.3	9.5	11.7	14.8
97.5°	99.9	54.7	34.9	25.9	20.4	17.3	15.7	15.4	15.7	17.3	20.4
100°	90.7	54.3	38.1	29.7	24.3	21.3	20.1	19.6	20.1	21.3	24.3
102.5°	86.9	56.3	41.9	33.7	28.8	25.5	24.6	24.3	24.6	25.5	28.8
105°	85.4	60.4	48.2	40.3	35.8	33.0	31.6	31.6	31.6	33.0	35.8
107.5°	87.9	66.6	54.7	47.7	43.0	40.7	39.4	38.8	39.4	40.7	43.0
110°	90.5	71.1	59.7	52.4	48.2	45.6	44.5	44.0	44.5	45.6	48.2





TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	93.6	75.3	64.3	57.3	53.1	50.5	49.7	49.1	49.7	50.5	53.1
115°	98.2	82.1	71.7	64.6	60.4	58.0	57.1	56.6	57.1	58.0	60.4
117.5°	103.6	88.9	79.1	72.3	67.5	65.0	64.1	63.3	64.1	65.0	67.5
120°	107.3	93.8	84.0	77.0	72.2	69.7	68.6	67.7	68.6	69.7	72.2
122.5°	111.2	98.5	88.7	81.7	76.5	74.0	73.0	72.5	73.0	74.0	76.5
125°	116.8	104.7	95.5	88.2	82.9	80.3	79.0	78.4	79.0	80.3	82.9
127.5°	121.8	110.7	101.8	94.5	88.9	85.6	83.9	83.0	83.9	85.6	88.9
130°	125.2	114.5	105.8	98.5	92.7	89.0	86.8	86.0	86.8	89.0	92.7
132.5°	128.1	118.1	109.4	102.1	96.0	92.0	89.3	88.2	89.3	92.0	96.0
135°	132.1	122.9	114.2	106.7	100.8	96.3	92.9	91.8	92.9	96.3	100.8
137.5°	135.1	126.4	118.4	110.7	104.9	100.4	97.3	96.4	97.3	100.4	104.9
140°	137.2	128.8	120.6	113.1	107.8	103.3	100.0	99.1	100.0	103.3	107.8
142.5°	138.3	130.3	122.7	115.6	110.5	106.0	102.8	102.3	102.8	106.0	110.5
145°	140.0	133.0	125.7	119.3	114.2	110.3	107.5	106.9	107.5	110.3	114.2
147.5°	141.0	134.7	128.3	122.6	118.3	114.6	112.2	111.9	112.2	114.6	118.3
150°	141.6	135.8	129.6	124.8	121.0	117.3	115.3	114.8	115.3	117.3	121.0
152.5°	142.1	136.9	131.2	126.9	123.2	120.0	118.3	118.0	118.3	120.0	123.2
155°	142.5	138.0	133.2	129.4	126.5	123.7	122.1	122.1	122.1	123.7	126.5
157.5°	142.8	138.9	134.9	131.9	129.4	127.1	125.7	125.8	125.7	127.1	129.4
160°	142.8	139.4	135.8	133.2	131.0	129.0	127.9	128.3	127.9	129.0	131.0
162.5°	142.6	139.9	136.7	134.6	132.8	131.1	130.0	130.2	130.0	131.1	132.8
165°	142.2	140.0	137.8	136.1	134.9	133.6	132.7	133.2	132.7	133.6	134.9
167.5°	141.6	140.0	138.2	137.0	136.3	135.5	135.0	135.3	135.0	135.5	136.3
170°	141.1	140.0	138.6	137.8	137.2	136.7	136.3	136.7	136.3	136.7	137.2
172.5°	140.7	139.7	138.6	138.2	137.8	137.3	137.0	137.5	137.0	137.3	137.8
175°	140.0	139.4	138.6	138.6	138.6	138.3	138.0	138.6	138.0	138.3	138.6
177.5°	139.3	139.1	138.6	138.6	138.9	138.6	138.6	139.1	138.6	138.6	138.9
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	11.2	12.1	11.7	12.3	12.4	13.3	12.9	14.7	15.6	16.6	16.2
90°	2.2	2.8	3.1	3.6	3.9	4.5	4.8	5.1	5.3	5.6	6.2
92.5°	14.8	23.0	38.3	63.8	91.7	90.2	73.0	49.6	36.0	27.1	23.0
95°	21.0	33.6	63.5	125.2	202.4	248.0	242.7	201.3	158.8	124.3	100.8
97.5°	25.9	34.9	54.7	99.9	180.8	264.9	307.1	299.8	270.0	236.4	203.7
100°	29.7	38.1	54.3	90.7	161.3	252.8	322.8	344.4	330.7	301.8	272.7
102.5°	33.7	41.9	56.3	86.9	146.5	231.6	313.4	359.3	367.8	354.0	334.3
105°	40.3	48.2	60.4	85.4	132.1	203.0	283.4	350.5	388.9	401.2	398.2
107.5°	47.7	54.7	66.6	87.9	126.1	183.3	252.6	318.9	370.1	401.7	416.4
110°	52.4	59.7	71.1	90.5	124.3	174.1	235.2	295.6	348.9	388.3	412.1



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	57.3	64.3	75.3	93.6	124.3	168.7	222.2	277.3	327.8	367.7	395.8
115°	64.6	71.7	82.1	98.2	125.2	163.0	208.0	254.2	297.6	336.0	366.5
117.5°	72.3	79.1	88.9	103.6	127.0	160.1	199.6	239.3	276.7	309.7	337.8
120°	77.0	84.0	93.8	107.3	128.8	158.8	194.9	231.2	264.8	295.6	320.3
122.5°	81.7	88.7	98.5	111.2	130.3	157.6	190.8	225.2	256.4	283.8	306.8
125°	88.2	95.5	104.7	116.8	133.0	156.2	185.4	216.4	244.9	269.3	289.5
127.5°	94.5	101.8	110.7	121.8	135.9	155.6	180.3	207.5	234.1	256.8	275.7
130°	98.5	105.8	114.5	125.2	137.8	155.1	177.0	201.8	226.5	248.3	266.6
132.5°	102.1	109.4	118.1	128.1	139.7	155.1	174.3	196.2	219.4	239.2	256.7
135°	106.7	114.2	122.9	132.1	142.5	155.1	171.0	189.0	208.3	226.2	242.2
137.5°	110.7	118.4	126.4	135.1	145.0	155.4	168.2	182.8	198.4	213.3	226.9
140°	113.1	120.6	128.8	137.2	146.2	155.7	166.8	179.4	192.6	205.5	217.2
142.5°	115.6	122.7	130.3	138.3	146.8	155.9	165.7	176.6	187.7	198.8	209.0
145°	119.3	125.7	133.0	140.0	147.5	155.7	164.1	172.8	181.4	190.1	197.6
147.5°	122.6	128.3	134.7	141.0	147.8	155.0	162.3	169.1	176.2	182.9	188.6
150°	124.8	129.6	135.8	141.6	147.8	154.2	161.0	167.2	173.3	178.6	183.6
152.5°	126.9	131.2	136.9	142.1	147.6	153.4	159.4	164.9	170.4	175.2	179.2
155°	129.4	133.2	138.0	142.5	146.9	151.8	156.8	161.5	166.0	169.9	173.0
157.5°	131.9	134.9	138.9	142.8	146.2	150.0	154.3	158.2	161.8	164.9	167.3
160°	133.2	135.8	139.4	142.8	145.6	148.9	152.3	156.0	158.8	161.5	163.5
162.5°	134.6	136.7	139.9	142.6	144.9	147.6	150.5	153.4	156.1	158.4	160.2
165°	136.1	137.8	140.0	142.2	143.9	145.6	147.8	150.0	152.0	153.7	155.1
167.5°	137.0	138.2	140.0	141.6	142.4	143.6	145.2	146.8	148.1	149.4	150.4
170°	137.8	138.6	140.0	141.1	141.6	142.5	143.6	145.0	145.8	146.7	147.3
172.5°	138.2	138.6	139.7	140.7	140.8	141.2	142.0	143.0	143.9	144.5	144.8
175°	138.6	138.6	139.4	140.0	139.7	139.7	140.0	140.9	140.9	141.4	141.4
177.5°	138.6	138.6	139.1	139.3	138.9	138.9	139.1	139.3	139.5	139.5	139.5
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	17.0	16.6	16.7	17.5	16.7	16.6	17.0	16.2	16.6	15.6	14.7
90°	6.2	6.2	6.4	6.4	6.4	6.2	6.2	6.2	5.6	5.3	5.1
92.5°	19.4	18.7	18.3	17.8	18.3	18.7	19.4	23.0	27.1	36.0	49.6
95°	80.9	72.5	70.3	65.8	70.3	72.5	80.9	100.8	124.3	158.8	201.3
97.5°	186.4	170.7	162.6	159.0	162.6	170.7	186.4	203.7	236.4	270.0	299.8
100°	253.3	233.2	222.8	218.4	222.8	233.2	253.3	272.7	301.8	330.7	344.4
102.5°	313.6	299.3	288.0	284.7	288.0	299.3	313.6	334.3	354.0	367.8	359.3
105°	389.1	379.9	374.3	371.0	374.3	379.9	389.1	398.2	401.2	388.9	350.5
107.5°	420.9	420.9	419.0	416.8	419.0	420.9	420.9	416.4	401.7	370.1	318.9
110°	424.7	430.0	432.0	432.0	432.0	430.0	424.7	412.1	388.3	348.9	295.6



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	414.2	423.3	428.2	430.2	428.2	423.3	414.2	395.8	367.7	327.8	277.3
115°	388.3	401.7	409.6	413.2	409.6	401.7	388.3	366.5	336.0	297.6	254.2
117.5°	359.6	373.5	381.3	383.5	381.3	373.5	359.6	337.8	309.7	276.7	239.3
120°	341.0	354.4	362.0	364.2	362.0	354.4	341.0	320.3	295.6	264.8	231.2
122.5°	325.3	337.6	345.2	347.2	345.2	337.6	325.3	306.8	283.8	256.4	225.2
125°	305.1	316.6	322.8	325.6	322.8	316.6	305.1	289.5	269.3	244.9	216.4
127.5°	289.9	300.1	305.9	307.1	305.9	300.1	289.9	275.7	256.8	234.1	207.5
130°	280.5	289.8	295.4	297.1	295.4	289.8	280.5	266.6	248.3	226.5	201.8
132.5°	270.7	279.9	285.0	286.9	285.0	279.9	270.7	256.7	239.2	219.4	196.2
135°	254.5	263.7	268.8	270.5	268.8	263.7	254.5	242.2	226.2	208.3	189.0
137.5°	237.9	246.3	251.0	252.8	251.0	246.3	237.9	226.9	213.3	198.4	182.8
140°	227.6	234.9	239.1	240.5	239.1	234.9	227.6	217.2	205.5	192.6	179.4
142.5°	217.8	223.9	227.9	229.1	227.9	223.9	217.8	209.0	198.8	187.7	176.6
145°	204.4	209.1	212.2	213.3	212.2	209.1	204.4	197.6	190.1	181.4	172.8
147.5°	193.9	197.7	199.5	200.0	199.5	197.7	193.9	188.6	182.9	176.2	169.1
150°	187.8	191.2	192.3	192.6	192.3	191.2	187.8	183.6	178.6	173.3	167.2
152.5°	182.7	185.4	186.5	186.8	186.5	185.4	182.7	179.2	175.2	170.4	164.9
155°	175.8	177.8	178.6	178.9	178.6	177.8	175.8	173.0	169.9	166.0	161.5
157.5°	169.5	171.1	171.9	171.8	171.9	171.1	169.5	167.3	164.9	161.8	158.2
160°	165.5	166.8	167.4	167.2	167.4	166.8	165.5	163.5	161.5	158.8	156.0
162.5°	161.7	162.8	163.0	162.9	163.0	162.8	161.7	160.2	158.4	156.1	153.4
165°	156.2	156.8	156.8	156.8	156.8	156.8	156.2	155.1	153.7	152.0	150.0
167.5°	151.0	151.5	151.2	151.1	151.2	151.5	151.0	150.4	149.4	148.1	146.8
170°	147.8	148.1	148.1	147.8	148.1	148.1	147.8	147.3	146.7	145.8	145.0
172.5°	144.9	145.4	145.0	144.7	145.0	145.4	144.9	144.8	144.5	143.9	143.0
175°	141.4	141.6	141.1	140.9	141.1	141.6	141.4	141.4	141.4	140.9	140.9
177.5°	139.3	139.5	138.9	138.9	138.9	139.5	139.3	139.5	139.5	139.5	139.3
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	12.9	13.3	12.4	12.3	11.7	12.1	11.2	10.6	10.1	10.4	11.6
90°	4.8	4.5	3.9	3.6	3.1	2.8	2.2	1.7	1.1	0.6	0.3
92.5°	73.0	90.2	91.7	63.8	38.3	23.0	14.8	10.0	6.5	4.1	3.4
95°	242.7	248.0	202.4	125.2	63.5	33.6	21.0	14.8	11.7	9.5	9.3
97.5°	307.1	264.9	180.8	99.9	54.7	34.9	25.9	20.4	17.3	15.7	15.4
100°	322.8	252.8	161.3	90.7	54.3	38.1	29.7	24.3	21.3	20.1	19.6
102.5°	313.4	231.6	146.5	86.9	56.3	41.9	33.7	28.8	25.5	24.6	24.3
105°	283.4	203.0	132.1	85.4	60.4	48.2	40.3	35.8	33.0	31.6	31.6
107.5°	252.6	183.3	126.1	87.9	66.6	54.7	47.7	43.0	40.7	39.4	38.8
110°	235.2	174.1	124.3	90.5	71.1	59.7	52.4	48.2	45.6	44.5	44.0



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	222.2	168.7	124.3	93.6	75.3	64.3	57.3	53.1	50.5	49.7	49.1
115°	208.0	163.0	125.2	98.2	82.1	71.7	64.6	60.4	58.0	57.1	56.6
117.5°	199.6	160.1	127.0	103.6	88.9	79.1	72.3	67.5	65.0	64.1	63.3
120°	194.9	158.8	128.8	107.3	93.8	84.0	77.0	72.2	69.7	68.6	67.7
122.5°	190.8	157.6	130.3	111.2	98.5	88.7	81.7	76.5	74.0	73.0	72.5
125°	185.4	156.2	133.0	116.8	104.7	95.5	88.2	82.9	80.3	79.0	78.4
127.5°	180.3	155.6	135.9	121.8	110.7	101.8	94.5	88.9	85.6	83.9	83.0
130°	177.0	155.1	137.8	125.2	114.5	105.8	98.5	92.7	89.0	86.8	86.0
132.5°	174.3	155.1	139.7	128.1	118.1	109.4	102.1	96.0	92.0	89.3	88.2
135°	171.0	155.1	142.5	132.1	122.9	114.2	106.7	100.8	96.3	92.9	91.8
137.5°	168.2	155.4	145.0	135.1	126.4	118.4	110.7	104.9	100.4	97.3	96.4
140°	166.8	155.7	146.2	137.2	128.8	120.6	113.1	107.8	103.3	100.0	99.1
142.5°	165.7	155.9	146.8	138.3	130.3	122.7	115.6	110.5	106.0	102.8	102.3
145°	164.1	155.7	147.5	140.0	133.0	125.7	119.3	114.2	110.3	107.5	106.9
147.5°	162.3	155.0	147.8	141.0	134.7	128.3	122.6	118.3	114.6	112.2	111.9
150°	161.0	154.2	147.8	141.6	135.8	129.6	124.8	121.0	117.3	115.3	114.8
152.5°	159.4	153.4	147.6	142.1	136.9	131.2	126.9	123.2	120.0	118.3	118.0
155°	156.8	151.8	146.9	142.5	138.0	133.2	129.4	126.5	123.7	122.1	122.1
157.5°	154.3	150.0	146.2	142.8	138.9	134.9	131.9	129.4	127.1	125.7	125.8
160°	152.3	148.9	145.6	142.8	139.4	135.8	133.2	131.0	129.0	127.9	128.3
162.5°	150.5	147.6	144.9	142.6	139.9	136.7	134.6	132.8	131.1	130.0	130.2
165°	147.8	145.6	143.9	142.2	140.0	137.8	136.1	134.9	133.6	132.7	133.2
167.5°	145.2	143.6	142.4	141.6	140.0	138.2	137.0	136.3	135.5	135.0	135.3
170°	143.6	142.5	141.6	141.1	140.0	138.6	137.8	137.2	136.7	136.3	136.7
172.5°	142.0	141.2	140.8	140.7	139.7	138.6	138.2	137.8	137.3	137.0	137.5
175°	140.0	139.7	139.7	140.0	139.4	138.6	138.6	138.6	138.3	138.0	138.6
177.5°	139.1	138.9	138.9	139.3	139.1	138.6	138.6	138.9	138.6	138.6	139.1
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.2	11.8	13.2	15.4	16.8	18.6	19.6	18.8	17.1	15.9	14.7
90°	0.6	1.1	1.7	2.2	2.8	3.1	3.6	3.9	4.5	4.8	5.1
92.5°	4.1	6.5	10.0	14.8	23.0	38.3	63.8	91.7	90.2	73.0	49.6
95°	9.5	11.7	14.8	21.0	33.6	63.5	125.2	202.4	248.0	242.7	201.3
97.5°	15.7	17.3	20.4	25.9	34.9	54.7	99.9	180.8	264.9	307.1	299.8
100°	20.1	21.3	24.3	29.7	38.1	54.3	90.7	161.3	252.8	322.8	344.4
102.5°	24.6	25.5	28.8	33.7	41.9	56.3	86.9	146.5	231.6	313.4	359.3
105°	31.6	33.0	35.8	40.3	48.2	60.4	85.4	132.1	203.0	283.4	350.5
107.5°	39.4	40.7	43.0	47.7	54.7	66.6	87.9	126.1	183.3	252.6	318.9
110°	44.5	45.6	48.2	52.4	59.7	71.1	90.5	124.3	174.1	235.2	295.6





TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	49.7	50.5	53.1	57.3	64.3	75.3	93.6	124.3	168.7	222.2	277.3
115°	57.1	58.0	60.4	64.6	71.7	82.1	98.2	125.2	163.0	208.0	254.2
117.5°	64.1	65.0	67.5	72.3	79.1	88.9	103.6	127.0	160.1	199.6	239.3
120°	68.6	69.7	72.2	77.0	84.0	93.8	107.3	128.8	158.8	194.9	231.2
122.5°	73.0	74.0	76.5	81.7	88.7	98.5	111.2	130.3	157.6	190.8	225.2
125°	79.0	80.3	82.9	88.2	95.5	104.7	116.8	133.0	156.2	185.4	216.4
127.5°	83.9	85.6	88.9	94.5	101.8	110.7	121.8	135.9	155.6	180.3	207.5
130°	86.8	89.0	92.7	98.5	105.8	114.5	125.2	137.8	155.1	177.0	201.8
132.5°	89.3	92.0	96.0	102.1	109.4	118.1	128.1	139.7	155.1	174.3	196.2
135°	92.9	96.3	100.8	106.7	114.2	122.9	132.1	142.5	155.1	171.0	189.0
137.5°	97.3	100.4	104.9	110.7	118.4	126.4	135.1	145.0	155.4	168.2	182.8
140°	100.0	103.3	107.8	113.1	120.6	128.8	137.2	146.2	155.7	166.8	179.4
142.5°	102.8	106.0	110.5	115.6	122.7	130.3	138.3	146.8	155.9	165.7	176.6
145°	107.5	110.3	114.2	119.3	125.7	133.0	140.0	147.5	155.7	164.1	172.8
147.5°	112.2	114.6	118.3	122.6	128.3	134.7	141.0	147.8	155.0	162.3	169.1
150°	115.3	117.3	121.0	124.8	129.6	135.8	141.6	147.8	154.2	161.0	167.2
152.5°	118.3	120.0	123.2	126.9	131.2	136.9	142.1	147.6	153.4	159.4	164.9
155°	122.1	123.7	126.5	129.4	133.2	138.0	142.5	146.9	151.8	156.8	161.5
157.5°	125.7	127.1	129.4	131.9	134.9	138.9	142.8	146.2	150.0	154.3	158.2
160°	127.9	129.0	131.0	133.2	135.8	139.4	142.8	145.6	148.9	152.3	156.0
162.5°	130.0	131.1	132.8	134.6	136.7	139.9	142.6	144.9	147.6	150.5	153.4
165°	132.7	133.6	134.9	136.1	137.8	140.0	142.2	143.9	145.6	147.8	150.0
167.5°	135.0	135.5	136.3	137.0	138.2	140.0	141.6	142.4	143.6	145.2	146.8
170°	136.3	136.7	137.2	137.8	138.6	140.0	141.1	141.6	142.5	143.6	145.0
172.5°	137.0	137.3	137.8	138.2	138.6	139.7	140.7	140.8	141.2	142.0	143.0
175°	138.0	138.3	138.6	138.6	138.6	139.4	140.0	139.7	139.7	140.0	140.9
177.5°	138.6	138.6	138.9	138.6	138.6	139.1	139.3	138.9	138.9	139.1	139.3
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	14.7	13.1	13.2	12.8	12.8	12.4	11.6
90°	5.3	5.6	6.2	6.2	6.2	6.4	6.4
92.5°	36.0	27.1	23.0	19.4	18.7	18.3	17.8
95°	158.8	124.3	100.8	80.9	72.5	70.3	65.8
97.5°	270.0	236.4	203.7	186.4	170.7	162.6	159.0
100°	330.7	301.8	272.7	253.3	233.2	222.8	218.4
102.5°	367.8	354.0	334.3	313.6	299.3	288.0	284.7
105°	388.9	401.2	398.2	389.1	379.9	374.3	371.0
107.5°	370.1	401.7	416.4	420.9	420.9	419.0	416.8
110°	348.9	388.3	412.1	424.7	430.0	432.0	432.0



TEST NUMBER: P333252-927

CATALOG NUMBER: S125DIP-S1090D365U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	327.8	367.7	395.8	414.2	423.3	428.2	430.2
115°	297.6	336.0	366.5	388.3	401.7	409.6	413.2
117.5°	276.7	309.7	337.8	359.6	373.5	381.3	383.5
120°	264.8	295.6	320.3	341.0	354.4	362.0	364.2
122.5°	256.4	283.8	306.8	325.3	337.6	345.2	347.2
125°	244.9	269.3	289.5	305.1	316.6	322.8	325.6
127.5°	234.1	256.8	275.7	289.9	300.1	305.9	307.1
130°	226.5	248.3	266.6	280.5	289.8	295.4	297.1
132.5°	219.4	239.2	256.7	270.7	279.9	285.0	286.9
135°	208.3	226.2	242.2	254.5	263.7	268.8	270.5
137.5°	198.4	213.3	226.9	237.9	246.3	251.0	252.8
140°	192.6	205.5	217.2	227.6	234.9	239.1	240.5
142.5°	187.7	198.8	209.0	217.8	223.9	227.9	229.1
145°	181.4	190.1	197.6	204.4	209.1	212.2	213.3
147.5°	176.2	182.9	188.6	193.9	197.7	199.5	200.0
150°	173.3	178.6	183.6	187.8	191.2	192.3	192.6
152.5°	170.4	175.2	179.2	182.7	185.4	186.5	186.8
155°	166.0	169.9	173.0	175.8	177.8	178.6	178.9
157.5°	161.8	164.9	167.3	169.5	171.1	171.9	171.8
160°	158.8	161.5	163.5	165.5	166.8	167.4	167.2
162.5°	156.1	158.4	160.2	161.7	162.8	163.0	162.9
165°	152.0	153.7	155.1	156.2	156.8	156.8	156.8
167.5°	148.1	149.4	150.4	151.0	151.5	151.2	151.1
170°	145.8	146.7	147.3	147.8	148.1	148.1	147.8
172.5°	143.9	144.5	144.8	144.9	145.4	145.0	144.7
175°	140.9	141.4	141.4	141.4	141.6	141.1	140.9
177.5°	139.5	139.5	139.5	139.3	139.5	138.9	138.9
180°	138.9	138.9	138.9	138.9	138.9	138.9	138.9

(END OF REPORT)