

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: P333323-940

Luminaire Tested: **S125DIP-S1270D1035U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333323-940
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-S1270D1035U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7815.9 lumens
Efficiency: N/A
Efficacy: 117.0 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

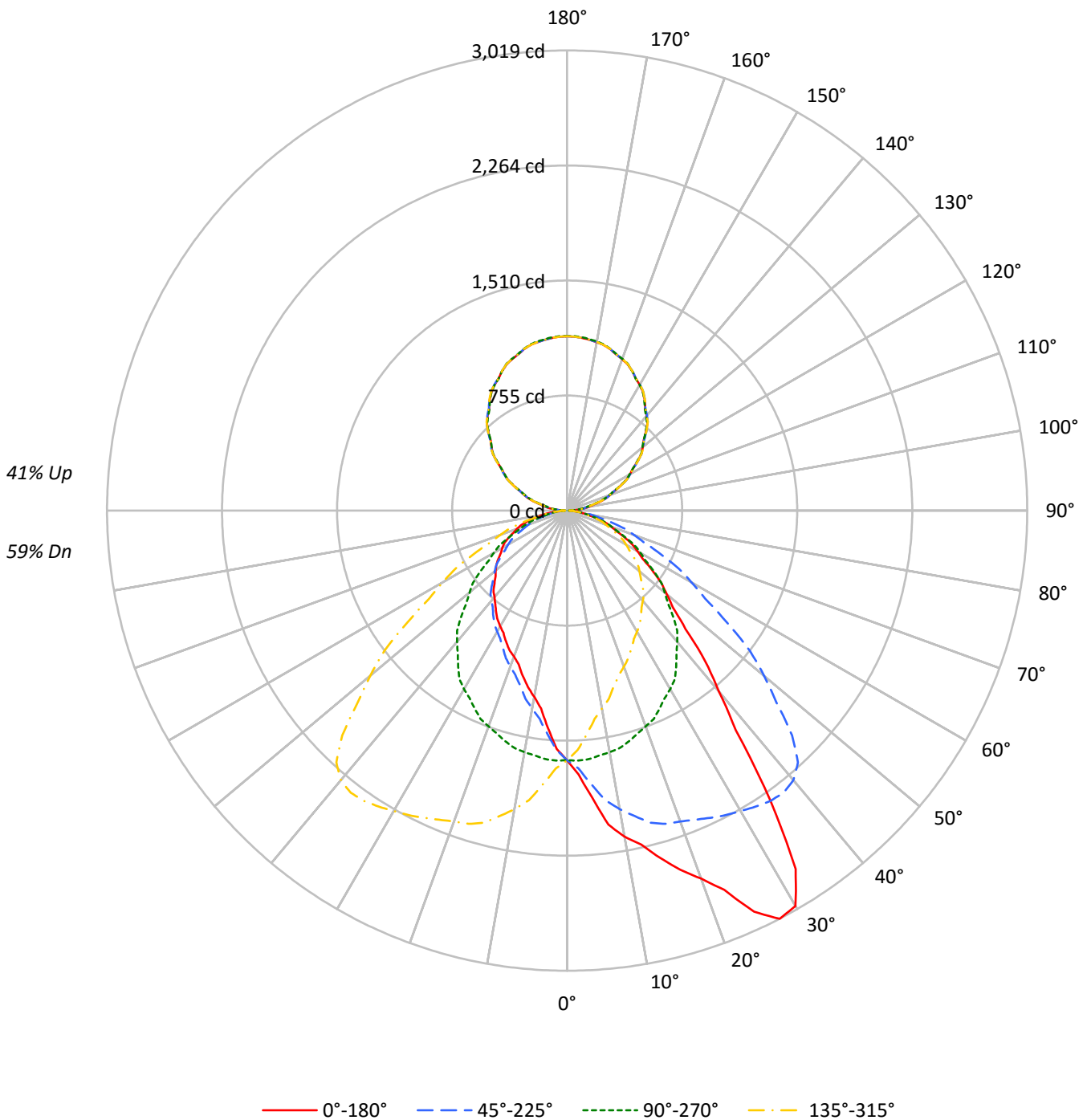
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	57	56	55	50
2	91	84	78	73	85	79	73	69	69	65	61	59	56	54	51	49	47	43
3	83	74	67	61	78	69	63	58	61	56	52	53	49	46	45	42	40	36
4	76	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	50	44	65	55	48	42	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	32	40	34	30	35	30	27	30	27	24	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	30	26	33	28	24	29	25	21	26	22	19	17
10	48	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10577	10577	10577	10577
5°	12248	10613	9292	10613
10°	14250	10558	8141	10558
15°	15774	10480	7511	10480
20°	17657	10357	7003	10357
25°	20685	10219	6757	10219
30°	22342	10082	6542	10082
35°	18370	9826	6401	9826
40°	13057	9470	6247	9470
45°	10030	8990	6158	8990
50°	8562	8395	6146	8395
55°	7624	7812	6199	7812
60°	6877	7174	6356	7174
65°	6353	6533	6522	6533
70°	5776	5867	6617	5867
75°	5100	5168	6558	5168
80°	4292	4214	5995	4214
85°	3394	3038	4846	3038



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.0
10°-20°	469.4	6.0
20°-30°	762.2	9.8
30°-40°	929.8	11.9
40°-50°	845.8	10.8
50°-60°	673.7	8.6
60°-70°	469.3	6.0
70°-80°	250.2	3.2
80°-90°	65.7	0.8
90°-100°	76.6	1.0
100°-110°	226.3	2.9
110°-120°	383.2	4.9
120°-130°	504.3	6.5
130°-140°	565.1	7.2
140°-150°	553.9	7.1
150°-160°	465.2	6.0
160°-170°	309.2	4.0
170°-180°	108.2	1.4
0°-30°	1389.3	17.8
0°-40°	2319.0	29.7
0°-60°	3838.6	49.1
0°-90°	4623.7	59.2
90°-120°	686.1	8.8
90°-150°	2309.5	29.5
90°-180°	3192.0	40.8
0°-180°	7815.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1889	1637	1433	1637	1889	190
15°	2359	1567	1123	1567	2359	675
25°	2903	1434	948	1434	2903	1326
35°	2330	1246	812	1246	2330	1426
45°	1098	984	674	984	1098	879
55°	677	694	550	694	677	610
65°	416	428	427	428	416	413
75°	204	207	263	207	204	220
85°	46	41	65	41	46	53
90°	21	1	21	1	21	14
95°	77	58	77	58	77	78
105°	221	203	221	203	221	234
115°	387	384	387	384	387	383
125°	564	560	564	560	564	503
135°	731	728	731	728	731	564
145°	886	882	886	882	886	553
155°	1010	1010	1010	1010	1010	465
165°	1095	1098	1095	1098	1095	309
175°	1137	1141	1137	1141	1137	108
180°	1144	1144	1144	1144	1144	



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1732.2	1730.0	1727.8	1723.3	1726.6	1717.2	1712.7	1705.0	1695.5	1692.2	1688.3
5°	1889.3	1892.7	1896.2	1881.7	1883.0	1873.3	1851.1	1833.0	1818.4	1799.7	1786.5
7.5°	2078.4	2070.2	2069.5	2060.0	2043.8	2030.7	2007.3	1977.5	1948.8	1916.0	1888.9
10°	2172.9	2173.6	2167.4	2156.2	2138.9	2126.4	2095.8	2066.5	2031.1	1989.4	1959.5
12.5°	2244.1	2247.0	2239.1	2224.1	2215.5	2187.5	2163.6	2128.9	2086.7	2053.3	2007.9
15°	2359.2	2351.5	2346.0	2327.2	2312.7	2283.4	2245.2	2209.0	2163.2	2120.8	2078.4
17.5°	2470.1	2476.3	2465.8	2448.7	2403.4	2369.4	2318.1	2268.5	2211.4	2154.6	2104.0
20°	2569.1	2574.7	2558.7	2528.8	2474.6	2440.5	2373.1	2309.2	2243.1	2170.2	2114.5
22.5°	2692.6	2688.2	2666.6	2621.1	2574.1	2511.1	2438.2	2360.3	2277.6	2195.1	2121.2
25°	2902.8	2873.5	2860.3	2804.1	2742.2	2649.7	2549.7	2435.6	2332.8	2223.7	2129.1
27.5°	3019.2	3010.1	2995.3	2956.2	2891.1	2792.2	2674.2	2535.3	2390.2	2252.5	2128.7
30°	2995.9	2997.3	2998.7	2986.2	2944.5	2870.1	2752.6	2603.2	2430.8	2275.8	2132.6
32.5°	2789.1	2814.3	2838.6	2867.2	2878.9	2864.5	2791.0	2656.0	2478.6	2302.5	2130.4
35°	2330.0	2337.6	2416.2	2494.0	2599.7	2681.7	2736.7	2676.8	2527.4	2325.1	2127.7
37.5°	1816.8	1854.3	1908.6	1996.6	2149.1	2285.6	2461.2	2542.0	2493.8	2332.5	2122.9
40°	1548.7	1583.5	1618.9	1708.6	1837.2	2002.6	2202.1	2372.4	2412.0	2309.2	2106.2
42.5°	1341.8	1369.4	1408.7	1476.1	1583.6	1730.1	1920.7	2143.3	2280.2	2241.3	2071.2
45°	1098.2	1115.6	1146.2	1199.8	1277.6	1392.3	1560.5	1803.8	2015.8	2086.0	1988.0
47.5°	940.0	940.0	963.7	1000.7	1056.9	1154.3	1278.7	1469.4	1695.8	1863.3	1855.6
50°	852.2	848.7	867.5	899.5	944.0	1008.6	1127.5	1279.7	1497.3	1687.0	1739.8
52.5°	776.6	776.9	788.5	812.2	849.4	904.6	993.5	1130.7	1316.5	1511.3	1610.9
55°	677.1	674.2	687.4	703.5	730.6	766.7	830.6	935.6	1086.5	1278.3	1407.6
57.5°	585.9	593.5	598.8	609.9	632.4	656.6	710.5	787.6	907.2	1071.8	1208.5
60°	532.4	540.1	544.3	555.4	573.5	594.3	636.1	698.6	799.4	941.2	1076.7
62.5°	484.6	490.6	492.0	502.0	516.7	537.1	569.9	622.4	702.0	826.1	958.9
65°	415.7	415.7	418.5	428.9	435.9	453.9	478.9	517.2	581.1	677.7	791.0
67.5°	349.2	352.6	351.9	356.4	362.8	376.9	394.8	426.4	473.8	544.3	634.9
70°	305.9	308.6	307.9	311.4	318.3	327.4	342.0	371.8	405.9	466.5	544.3
72.5°	266.9	268.0	266.3	270.8	275.0	282.9	299.2	315.1	347.0	398.1	462.0
75°	204.4	205.7	207.1	209.9	214.1	218.3	226.6	242.6	263.4	301.7	342.7
77.5°	153.2	150.5	153.9	153.5	155.9	159.1	166.4	174.9	192.0	216.2	247.9
80°	115.4	116.1	116.1	116.8	120.3	122.3	128.6	134.8	148.0	166.1	188.4
82.5°	84.3	86.1	85.0	86.2	89.1	90.6	94.1	99.2	106.9	121.1	137.2
85°	45.8	42.4	43.8	45.2	45.2	45.8	48.7	50.7	54.9	60.5	66.7
87.5°	17.7	18.6	19.1	18.9	19.4	19.2	21.2	21.0	22.5	24.0	25.9
90°	21.4	20.8	20.2	19.6	19.0	18.2	17.2	16.2	15.2	14.3	12.8
92.5°	42.0	41.6	41.1	40.8	40.3	39.4	38.1	36.8	35.5	34.2	32.5
95°	76.6	76.2	75.8	75.3	75.0	74.1	72.7	71.3	69.9	68.6	66.6
97.5°	116.1	115.8	115.7	115.4	115.1	114.4	113.1	111.7	110.5	109.1	106.4
100°	146.0	145.6	145.2	144.8	144.5	143.3	141.5	139.7	137.9	136.2	133.7
102.5°	175.9	175.4	174.8	174.2	173.7	172.5	170.5	168.5	166.7	164.7	163.4
105°	220.8	220.2	219.6	219.0	218.4	217.5	216.3	215.2	213.9	212.8	211.6
107.5°	266.7	266.8	266.8	266.8	266.9	266.6	266.0	265.4	264.8	264.2	263.3
110°	300.9	301.1	301.3	301.5	301.7	301.5	300.9	300.3	299.7	299.1	298.5



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	334.4	334.7	335.1	335.5	335.8	335.8	335.6	335.3	335.0	334.7	333.9
115°	387.3	387.4	387.6	387.8	388.1	388.3	388.4	388.6	388.9	389.1	388.6
117.5°	438.9	439.7	440.5	441.2	442.0	442.4	442.2	442.0	441.9	441.8	441.4
120°	474.5	475.3	476.1	476.9	477.7	478.0	478.0	478.0	478.0	478.0	477.9
122.5°	510.1	510.8	511.4	512.0	512.6	513.0	513.2	513.4	513.5	513.6	513.2
125°	563.6	563.7	563.9	564.1	564.3	564.6	565.0	565.4	565.8	566.2	566.0
127.5°	614.8	615.2	615.5	616.0	616.4	616.7	616.9	617.1	617.2	617.5	617.2
130°	649.0	649.3	649.8	650.1	650.6	650.9	651.0	651.2	651.5	651.7	651.2
132.5°	681.0	681.6	682.2	682.7	683.2	683.6	683.9	684.0	684.2	684.4	684.5
135°	730.8	731.6	732.5	733.3	734.1	734.4	734.4	734.4	734.4	734.4	734.2
137.5°	779.7	780.7	781.7	782.7	783.6	784.0	783.7	783.5	783.3	783.0	782.7
140°	811.0	812.0	813.0	814.0	814.9	815.3	814.8	814.5	814.0	813.7	813.1
142.5°	840.9	842.0	842.9	843.9	844.9	845.3	845.0	844.8	844.5	844.3	843.6
145°	885.8	886.4	887.0	887.6	888.1	888.5	888.5	888.5	888.5	888.5	887.9
147.5°	924.1	925.4	926.8	928.1	929.4	929.9	929.4	928.9	928.4	928.0	927.5
150°	952.5	953.0	953.3	953.8	954.1	954.3	954.3	954.3	954.3	954.3	953.5
152.5°	976.1	976.8	977.5	978.2	978.9	979.0	978.6	978.1	977.6	977.1	976.8
155°	1009.5	1010.5	1011.5	1012.5	1013.5	1013.6	1012.8	1012.0	1011.2	1010.4	1010.2
157.5°	1037.5	1038.8	1040.1	1041.4	1042.7	1042.9	1042.1	1041.3	1040.6	1039.8	1039.6
160°	1056.7	1057.7	1058.7	1059.7	1060.7	1060.8	1060.0	1059.2	1058.4	1057.6	1057.4
162.5°	1073.1	1074.2	1075.4	1076.6	1077.7	1077.8	1076.8	1075.8	1075.0	1074.0	1074.0
165°	1095.0	1096.2	1097.3	1098.6	1099.7	1099.9	1099.1	1098.3	1097.6	1096.8	1096.5
167.5°	1112.4	1113.7	1114.9	1116.2	1117.3	1117.4	1116.2	1115.0	1113.8	1112.6	1112.6
170°	1121.7	1123.1	1124.4	1125.9	1127.2	1127.3	1126.1	1125.0	1123.8	1122.6	1122.6
172.5°	1129.5	1130.8	1132.0	1133.2	1134.4	1134.4	1133.3	1132.1	1130.9	1129.7	1129.7
175°	1136.8	1138.2	1139.6	1141.0	1142.4	1142.5	1141.3	1140.1	1138.9	1137.7	1137.7
177.5°	1141.1	1142.2	1143.4	1144.4	1145.6	1145.6	1144.7	1143.7	1142.8	1141.8	1142.0
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1685.0	1681.1	1676.6	1668.8	1659.4	1654.4	1646.5	1641.6	1631.6	1623.2	1614.4
5°	1770.4	1752.4	1735.7	1714.1	1690.5	1675.2	1657.2	1637.0	1616.1	1594.6	1570.9
7.5°	1859.0	1827.0	1792.2	1754.9	1718.3	1684.6	1652.5	1621.0	1591.5	1555.9	1525.8
10°	1918.5	1878.2	1835.1	1784.3	1735.0	1691.9	1648.1	1609.9	1570.9	1529.2	1492.4
12.5°	1978.0	1924.3	1863.4	1807.7	1748.4	1696.3	1644.8	1596.0	1547.0	1500.8	1457.9
15°	2020.0	1972.7	1916.4	1837.2	1770.4	1698.9	1630.8	1567.4	1508.4	1457.0	1402.8
17.5°	2047.6	1986.7	1926.3	1850.2	1762.8	1682.7	1605.5	1533.1	1466.5	1401.3	1349.1
20°	2052.6	1990.1	1926.8	1852.4	1762.8	1671.1	1593.8	1507.0	1435.4	1368.0	1304.0
22.5°	2051.0	1980.0	1911.3	1834.7	1747.2	1662.7	1569.4	1480.9	1403.1	1336.9	1270.1
25°	2035.2	1959.5	1873.3	1796.2	1709.9	1620.3	1525.8	1434.0	1354.8	1279.0	1213.0
27.5°	2022.2	1924.0	1826.3	1736.3	1653.1	1570.9	1480.4	1386.4	1298.6	1221.8	1159.6
30°	2006.1	1898.4	1788.5	1694.7	1609.2	1529.2	1443.8	1352.0	1260.3	1185.2	1118.5
32.5°	1991.6	1866.1	1750.2	1648.0	1557.5	1479.7	1400.9	1313.6	1223.5	1147.4	1080.6
35°	1963.7	1818.4	1685.6	1570.2	1473.6	1393.7	1327.7	1246.3	1163.6	1089.9	1026.0
37.5°	1928.2	1755.9	1613.4	1492.4	1386.4	1302.3	1240.7	1178.3	1098.9	1028.0	970.1
40°	1900.4	1711.4	1560.5	1436.8	1327.0	1239.4	1182.4	1123.3	1057.3	991.2	930.1
42.5°	1865.4	1671.3	1507.2	1373.9	1265.2	1179.9	1120.1	1069.9	1011.6	950.1	893.3
45°	1801.0	1598.7	1420.8	1277.6	1167.8	1083.7	1021.8	984.3	940.5	882.1	834.1
47.5°	1706.4	1511.5	1327.5	1179.7	1066.4	988.5	930.5	894.5	863.6	820.2	776.7
50°	1622.4	1446.5	1260.3	1113.6	1000.2	921.7	868.2	835.5	809.1	775.7	738.9
52.5°	1528.4	1364.8	1194.1	1049.1	936.8	859.4	807.0	778.3	756.3	732.4	696.1
55°	1379.1	1240.1	1081.6	944.0	840.3	764.6	718.7	693.8	675.6	657.5	635.3
57.5°	1214.6	1105.9	965.5	839.7	744.3	675.4	632.6	608.2	594.1	584.9	571.8
60°	1098.9	1005.8	884.8	770.2	677.1	615.9	574.2	555.4	543.6	535.9	526.2
62.5°	991.7	915.2	803.2	698.5	617.0	559.1	521.9	503.6	492.4	488.7	480.6
65°	833.4	774.4	681.9	595.0	525.5	476.2	444.9	427.5	420.5	416.3	417.1
67.5°	677.6	641.6	567.3	493.2	437.7	396.4	371.3	358.0	354.5	348.9	348.8
70°	582.5	555.4	492.8	428.2	378.8	346.9	324.6	310.7	307.2	304.4	303.8
72.5°	498.6	474.7	420.5	368.7	324.3	296.2	277.9	269.6	263.9	262.2	262.1
75°	374.7	361.5	318.3	277.3	246.7	227.3	214.8	207.1	203.0	202.2	203.0
77.5°	266.4	254.9	227.5	198.4	179.1	164.3	153.7	151.1	146.4	146.5	145.8
80°	200.2	192.5	175.1	152.2	136.3	123.8	118.2	113.3	111.9	109.9	111.9
82.5°	145.2	137.0	125.1	110.5	97.3	89.8	84.3	82.8	81.9	80.9	81.3
85°	71.6	72.3	65.4	54.2	48.7	44.5	41.0	41.0	40.3	39.6	40.3
87.5°	26.8	25.4	22.8	20.9	17.8	15.8	15.0	15.2	13.8	13.6	14.4
90°	11.5	10.1	8.7	7.2	5.6	4.0	2.5	0.9	2.5	4.0	5.6
92.5°	30.8	29.1	27.4	25.9	24.9	23.7	22.6	21.6	22.6	23.7	24.9
95°	64.6	62.6	60.6	59.5	59.0	58.7	58.2	57.9	58.2	58.7	59.0
97.5°	103.7	100.9	98.3	96.8	96.7	96.5	96.3	96.1	96.3	96.5	96.7
100°	131.1	128.5	125.9	124.7	124.7	124.7	124.7	124.7	124.7	124.7	124.7
102.5°	162.1	160.8	159.4	158.5	157.7	156.9	156.0	155.2	156.0	156.9	157.7
105°	210.4	209.2	208.0	207.0	206.0	204.9	203.9	203.0	203.9	204.9	206.0
107.5°	262.4	261.4	260.6	259.7	258.7	257.6	256.6	255.7	256.6	257.6	258.7
110°	297.9	297.3	296.8	296.0	295.0	294.0	293.0	292.0	293.0	294.0	295.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	333.2	332.5	331.7	331.1	330.6	330.0	329.6	329.0	329.6	330.0	330.6
115°	388.3	387.8	387.4	386.8	386.1	385.3	384.5	383.7	384.5	385.3	386.1
117.5°	441.0	440.7	440.3	440.0	439.6	439.3	438.9	438.5	438.9	439.3	439.6
120°	477.7	477.4	477.2	476.7	475.7	474.7	473.7	472.7	473.7	474.7	475.7
122.5°	512.6	512.1	511.6	511.2	510.9	510.5	510.1	509.8	510.1	510.5	510.9
125°	565.8	565.6	565.4	564.7	563.6	562.3	561.2	560.0	561.2	562.3	563.6
127.5°	617.0	616.8	616.5	616.1	615.4	614.7	614.0	613.4	614.0	614.7	615.4
130°	650.9	650.5	650.1	649.3	648.4	647.4	646.4	645.4	646.4	647.4	648.4
132.5°	684.6	684.7	684.7	683.9	682.3	680.7	679.1	677.4	679.1	680.7	682.3
135°	734.1	733.9	733.7	733.0	731.7	730.6	729.4	728.3	729.4	730.6	731.7
137.5°	782.2	781.8	781.3	780.5	779.4	778.2	777.0	776.0	777.0	778.2	779.4
140°	812.5	811.9	811.3	810.5	809.5	808.5	807.5	806.6	807.5	808.5	809.5
142.5°	842.8	842.0	841.3	840.5	839.6	838.8	838.0	837.1	838.0	838.8	839.6
145°	887.3	886.7	886.1	885.4	884.6	883.8	883.1	882.3	883.1	883.8	884.6
147.5°	927.0	926.6	926.1	925.6	925.2	924.8	924.3	923.9	924.3	924.8	925.2
150°	952.8	952.0	951.2	950.9	951.1	951.3	951.5	951.6	951.5	951.3	951.1
152.5°	976.5	976.2	975.9	975.5	975.3	975.0	974.7	974.5	974.7	975.0	975.3
155°	1010.0	1009.9	1009.6	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5
157.5°	1039.4	1039.2	1039.0	1039.1	1039.6	1040.0	1040.4	1040.9	1040.4	1040.0	1039.6
160°	1057.2	1057.0	1056.9	1057.0	1057.6	1058.2	1058.8	1059.4	1058.8	1058.2	1057.6
162.5°	1073.9	1073.9	1073.8	1074.1	1074.4	1074.9	1075.3	1075.8	1075.3	1074.9	1074.4
165°	1096.4	1096.2	1096.0	1096.1	1096.4	1096.9	1097.3	1097.7	1097.3	1096.9	1096.4
167.5°	1112.6	1112.6	1112.6	1113.0	1113.8	1114.6	1115.4	1116.2	1115.4	1114.6	1113.8
170°	1122.6	1122.6	1122.6	1123.0	1123.8	1124.5	1125.3	1126.1	1125.3	1124.5	1123.8
172.5°	1129.7	1129.7	1129.7	1130.2	1130.9	1131.7	1132.5	1133.3	1132.5	1131.7	1130.9
175°	1137.7	1137.7	1137.7	1138.1	1138.9	1139.7	1140.5	1141.3	1140.5	1139.7	1138.9
177.5°	1142.1	1142.3	1142.5	1142.8	1143.4	1144.2	1144.8	1145.4	1144.8	1144.2	1143.4
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1609.3	1603.2	1598.2	1587.1	1580.9	1572.6	1565.9	1573.2	1565.4	1568.7	1563.7
5°	1559.2	1539.6	1525.8	1505.6	1488.3	1472.2	1460.4	1458.3	1452.8	1450.0	1441.6
7.5°	1498.8	1474.4	1450.5	1424.2	1401.9	1379.2	1364.8	1352.8	1344.9	1334.4	1327.4
10°	1463.2	1430.6	1402.8	1370.7	1342.9	1318.7	1299.1	1289.4	1280.4	1267.2	1262.3
12.5°	1419.2	1385.5	1351.6	1317.4	1290.7	1263.6	1246.9	1232.2	1225.9	1211.0	1209.5
15°	1366.5	1315.8	1282.5	1247.7	1210.9	1188.7	1174.7	1158.8	1151.8	1141.4	1133.7
17.5°	1303.8	1258.4	1216.7	1180.7	1149.1	1130.4	1113.1	1102.2	1090.2	1083.4	1070.9
20°	1258.1	1215.0	1173.3	1135.1	1110.8	1089.2	1075.3	1064.9	1052.4	1048.9	1036.4
22.5°	1219.8	1172.2	1132.2	1100.1	1073.5	1049.2	1034.2	1027.1	1018.5	1007.8	1005.2
25°	1157.4	1108.0	1074.0	1042.0	1018.3	996.1	985.7	976.6	968.3	960.6	957.9
27.5°	1103.4	1059.4	1018.9	990.0	969.4	949.1	940.0	929.0	922.8	916.7	909.2
30°	1065.6	1020.4	985.0	957.2	935.0	916.9	907.1	899.5	893.9	888.3	884.2
32.5°	1026.7	984.8	950.5	923.3	901.0	887.3	878.8	873.3	867.2	860.5	855.2
35°	975.3	929.3	896.0	872.4	855.0	844.5	834.8	829.9	823.0	823.0	817.4
37.5°	917.3	877.6	848.2	826.6	811.0	801.7	791.2	787.8	783.4	780.4	778.6
40°	882.8	846.0	818.1	796.6	779.9	772.2	763.9	758.4	755.5	752.1	750.7
42.5°	847.2	812.0	785.3	765.4	751.0	744.5	736.6	732.8	727.2	722.6	721.8
45°	793.1	759.0	734.8	718.7	706.2	698.6	693.8	685.4	682.6	677.1	676.4
47.5°	741.8	709.2	685.3	672.2	661.2	655.0	647.3	638.9	635.8	632.9	632.7
50°	703.5	673.6	651.3	638.8	628.4	619.4	611.7	606.1	604.0	604.0	605.5
52.5°	664.5	639.1	620.2	604.8	595.0	585.4	578.4	575.0	571.8	575.2	577.7
55°	607.5	581.8	567.9	553.3	543.6	532.4	529.0	527.6	525.5	531.1	533.9
57.5°	547.2	529.1	512.8	498.4	489.6	483.2	478.5	477.7	481.6	484.2	493.2
60°	508.8	487.9	473.4	462.3	451.8	447.6	446.3	444.9	447.6	455.3	467.1
62.5°	466.5	449.6	433.9	425.5	417.9	411.0	410.6	411.5	417.1	425.8	437.7
65°	404.6	389.9	379.5	369.8	363.6	359.4	360.8	363.6	369.8	381.7	394.8
67.5°	341.6	331.5	322.3	314.3	308.4	308.4	309.8	313.9	321.3	334.9	347.0
70°	301.0	289.9	282.2	278.7	273.8	271.1	275.3	282.2	288.5	301.0	311.4
72.5°	260.4	250.9	245.0	242.6	240.5	238.3	239.7	247.2	255.7	268.1	280.3
75°	200.2	196.7	192.5	189.8	187.7	189.0	190.5	197.4	204.4	217.6	231.5
77.5°	146.2	142.5	140.0	139.3	138.2	138.8	142.8	147.9	154.7	164.3	174.9
80°	110.5	109.1	107.7	107.0	107.0	107.7	113.3	116.8	123.1	132.1	140.4
82.5°	80.5	79.6	79.4	79.3	79.8	79.9	83.3	87.8	93.0	99.8	107.0
85°	42.4	41.0	43.1	43.8	42.4	44.5	45.8	48.7	50.7	54.2	57.7
87.5°	15.3	16.8	16.5	17.3	17.6	19.0	18.6	21.0	22.4	23.6	23.3
90°	7.2	8.7	10.1	11.5	12.8	14.3	15.2	16.2	17.2	18.2	19.0
92.5°	25.9	27.4	29.1	30.8	32.5	34.2	35.5	36.8	38.1	39.4	40.3
95°	59.5	60.6	62.6	64.6	66.6	68.6	69.9	71.3	72.7	74.1	75.0
97.5°	96.8	98.3	100.9	103.7	106.4	109.1	110.5	111.7	113.1	114.4	115.1
100°	124.7	125.9	128.5	131.1	133.7	136.2	137.9	139.7	141.5	143.3	144.5
102.5°	158.5	159.4	160.8	162.1	163.4	164.7	166.7	168.5	170.5	172.5	173.7
105°	207.0	208.0	209.2	210.4	211.6	212.8	213.9	215.2	216.3	217.5	218.4
107.5°	259.7	260.6	261.4	262.4	263.3	264.2	264.8	265.4	266.0	266.6	266.9
110°	296.0	296.8	297.3	297.9	298.5	299.1	299.7	300.3	300.9	301.5	301.7



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	331.1	331.7	332.5	333.2	333.9	334.7	335.0	335.3	335.6	335.8	335.8
115°	386.8	387.4	387.8	388.3	388.6	389.1	388.9	388.6	388.4	388.3	388.1
117.5°	440.0	440.3	440.7	441.0	441.4	441.8	441.9	442.0	442.2	442.4	442.0
120°	476.7	477.2	477.4	477.7	477.9	478.0	478.0	478.0	478.0	478.0	477.7
122.5°	511.2	511.6	512.1	512.6	513.2	513.6	513.5	513.4	513.2	513.0	512.6
125°	564.7	565.4	565.6	565.8	566.0	566.2	565.8	565.4	565.0	564.6	564.3
127.5°	616.1	616.5	616.8	617.0	617.2	617.5	617.2	617.1	616.9	616.7	616.4
130°	649.3	650.1	650.5	650.9	651.2	651.7	651.5	651.2	651.0	650.9	650.6
132.5°	683.9	684.7	684.7	684.6	684.5	684.4	684.2	684.0	683.9	683.6	683.2
135°	733.0	733.7	733.9	734.1	734.2	734.4	734.4	734.4	734.4	734.4	734.1
137.5°	780.5	781.3	781.8	782.2	782.7	783.0	783.3	783.5	783.7	784.0	783.6
140°	810.5	811.3	811.9	812.5	813.1	813.7	814.0	814.5	814.8	815.3	814.9
142.5°	840.5	841.3	842.0	842.8	843.6	844.3	844.5	844.8	845.0	845.3	844.9
145°	885.4	886.1	886.7	887.3	887.9	888.5	888.5	888.5	888.5	888.5	888.1
147.5°	925.6	926.1	926.6	927.0	927.5	928.0	928.4	928.9	929.4	929.9	929.4
150°	950.9	951.2	952.0	952.8	953.5	954.3	954.3	954.3	954.3	954.3	954.1
152.5°	975.5	975.9	976.2	976.5	976.8	977.1	977.6	978.1	978.6	979.0	978.9
155°	1009.5	1009.6	1009.9	1010.0	1010.2	1010.4	1011.2	1012.0	1012.8	1013.6	1013.5
157.5°	1039.1	1039.0	1039.2	1039.4	1039.6	1039.8	1040.6	1041.3	1042.1	1042.9	1042.7
160°	1057.0	1056.9	1057.0	1057.2	1057.4	1057.6	1058.4	1059.2	1060.0	1060.8	1060.7
162.5°	1074.1	1073.8	1073.9	1073.9	1074.0	1074.0	1075.0	1075.8	1076.8	1077.8	1077.7
165°	1096.1	1096.0	1096.2	1096.4	1096.5	1096.8	1097.6	1098.3	1099.1	1099.9	1099.7
167.5°	1113.0	1112.6	1112.6	1112.6	1112.6	1112.6	1113.8	1115.0	1116.2	1117.4	1117.3
170°	1123.0	1122.6	1122.6	1122.6	1122.6	1122.6	1123.8	1125.0	1126.1	1127.3	1127.2
172.5°	1130.2	1129.7	1129.7	1129.7	1129.7	1129.7	1130.9	1132.1	1133.3	1134.4	1134.4
175°	1138.1	1137.7	1137.7	1137.7	1137.7	1137.7	1138.9	1140.1	1141.3	1142.5	1142.4
177.5°	1142.8	1142.5	1142.3	1142.1	1142.0	1141.8	1142.8	1143.7	1144.7	1145.6	1145.6
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1560.4	1564.2	1560.9	1565.4	1560.9	1564.2	1560.4	1563.7	1568.7	1565.4	1573.2
5°	1438.2	1431.9	1436.1	1433.3	1436.1	1431.9	1438.2	1441.6	1450.0	1452.8	1458.3
7.5°	1325.3	1319.3	1312.5	1309.3	1312.5	1319.3	1325.3	1327.4	1334.4	1344.9	1352.8
10°	1254.6	1247.1	1246.3	1241.4	1246.3	1247.1	1254.6	1262.3	1267.2	1280.4	1289.4
12.5°	1202.9	1195.9	1187.9	1185.9	1187.9	1195.9	1202.9	1209.5	1211.0	1225.9	1232.2
15°	1129.5	1124.0	1119.1	1123.3	1119.1	1124.0	1129.5	1133.7	1141.4	1151.8	1158.8
17.5°	1068.5	1063.9	1063.1	1057.9	1063.1	1063.9	1068.5	1070.9	1083.4	1090.2	1102.2
20°	1030.2	1026.7	1028.1	1019.0	1028.1	1026.7	1030.2	1036.4	1048.9	1052.4	1064.9
22.5°	999.6	992.7	991.9	990.2	991.9	992.7	999.6	1005.2	1007.8	1018.5	1027.1
25°	951.6	948.2	944.7	948.2	944.7	948.2	951.6	957.9	960.6	968.3	976.6
27.5°	909.7	905.6	904.6	905.0	904.6	905.6	909.7	909.2	916.7	922.8	929.0
30°	884.2	877.3	877.9	877.3	877.9	877.3	884.2	884.2	888.3	893.9	899.5
32.5°	856.4	851.7	850.7	849.4	850.7	851.7	856.4	855.2	860.5	867.2	873.3
35°	815.4	815.4	811.9	811.9	811.9	815.4	815.4	817.4	823.0	823.0	829.9
37.5°	776.9	776.1	774.1	774.4	774.1	776.1	776.9	778.6	780.4	783.4	787.8
40°	748.0	747.3	745.1	741.0	745.1	747.3	748.0	750.7	752.1	755.5	758.4
42.5°	720.1	717.7	716.8	715.4	716.8	717.7	720.1	721.8	722.6	727.2	732.8
45°	676.4	676.4	674.9	674.2	674.9	676.4	676.4	676.4	677.1	682.6	685.4
47.5°	633.8	635.1	637.7	637.3	637.7	635.1	633.8	632.7	632.9	635.8	638.9
50°	608.2	608.9	611.0	611.7	611.0	608.9	608.2	605.5	604.0	604.0	606.1
52.5°	579.9	583.9	586.6	586.1	586.6	583.9	579.9	577.7	575.2	571.8	575.0
55°	540.1	544.9	549.8	550.5	549.8	544.9	540.1	533.9	531.1	525.5	527.6
57.5°	500.8	507.6	512.7	514.3	512.7	507.6	500.8	493.2	484.2	481.6	477.7
60°	474.0	483.1	489.4	492.1	489.4	483.1	474.0	467.1	455.3	447.6	444.9
62.5°	448.4	458.6	464.8	465.5	464.8	458.6	448.4	437.7	425.8	417.1	411.5
65°	406.6	417.1	422.6	426.8	422.6	417.1	406.6	394.8	381.7	369.8	363.6
67.5°	361.6	372.0	378.2	381.5	378.2	372.0	361.6	347.0	334.9	321.3	313.9
70°	328.8	339.2	347.6	350.4	347.6	339.2	328.8	311.4	301.0	288.5	282.2
72.5°	296.5	305.9	312.5	315.8	312.5	305.9	296.5	280.3	268.1	255.7	247.2
75°	240.5	253.0	259.3	262.8	259.3	253.0	240.5	231.5	217.6	204.4	197.4
77.5°	185.5	196.9	200.6	202.4	200.6	196.9	185.5	174.9	164.3	154.7	147.9
80°	148.7	155.7	160.6	161.2	160.6	155.7	148.7	140.4	132.1	123.1	116.8
82.5°	114.3	120.1	121.6	123.4	121.6	120.1	114.3	107.0	99.8	93.0	87.8
85°	62.6	65.4	66.1	65.4	66.1	65.4	62.6	57.7	54.2	50.7	48.7
87.5°	24.5	24.1	24.2	25.4	24.2	24.1	24.5	23.3	23.6	22.4	21.0
90°	19.6	20.2	20.8	21.4	20.8	20.2	19.6	19.0	18.2	17.2	16.2
92.5°	40.8	41.1	41.6	42.0	41.6	41.1	40.8	40.3	39.4	38.1	36.8
95°	75.3	75.8	76.2	76.6	76.2	75.8	75.3	75.0	74.1	72.7	71.3
97.5°	115.4	115.7	115.8	116.1	115.8	115.7	115.4	115.1	114.4	113.1	111.7
100°	144.8	145.2	145.6	146.0	145.6	145.2	144.8	144.5	143.3	141.5	139.7
102.5°	174.2	174.8	175.4	175.9	175.4	174.8	174.2	173.7	172.5	170.5	168.5
105°	219.0	219.6	220.2	220.8	220.2	219.6	219.0	218.4	217.5	216.3	215.2
107.5°	266.8	266.8	266.8	266.7	266.8	266.8	266.8	266.9	266.6	266.0	265.4
110°	301.5	301.3	301.1	300.9	301.1	301.3	301.5	301.7	301.5	300.9	300.3



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	335.5	335.1	334.7	334.4	334.7	335.1	335.5	335.8	335.8	335.6	335.3
115°	387.8	387.6	387.4	387.3	387.4	387.6	387.8	388.1	388.3	388.4	388.6
117.5°	441.2	440.5	439.7	438.9	439.7	440.5	441.2	442.0	442.4	442.2	442.0
120°	476.9	476.1	475.3	474.5	475.3	476.1	476.9	477.7	478.0	478.0	478.0
122.5°	512.0	511.4	510.8	510.1	510.8	511.4	512.0	512.6	513.0	513.2	513.4
125°	564.1	563.9	563.7	563.6	563.7	563.9	564.1	564.3	564.6	565.0	565.4
127.5°	616.0	615.5	615.2	614.8	615.2	615.5	616.0	616.4	616.7	616.9	617.1
130°	650.1	649.8	649.3	649.0	649.3	649.8	650.1	650.6	650.9	651.0	651.2
132.5°	682.7	682.2	681.6	681.0	681.6	682.2	682.7	683.2	683.6	683.9	684.0
135°	733.3	732.5	731.6	730.8	731.6	732.5	733.3	734.1	734.4	734.4	734.4
137.5°	782.7	781.7	780.7	779.7	780.7	781.7	782.7	783.6	784.0	783.7	783.5
140°	814.0	813.0	812.0	811.0	812.0	813.0	814.0	814.9	815.3	814.8	814.5
142.5°	843.9	842.9	842.0	840.9	842.0	842.9	843.9	844.9	845.3	845.0	844.8
145°	887.6	887.0	886.4	885.8	886.4	887.0	887.6	888.1	888.5	888.5	888.5
147.5°	928.1	926.8	925.4	924.1	925.4	926.8	928.1	929.4	929.9	929.4	928.9
150°	953.8	953.3	953.0	952.5	953.0	953.3	953.8	954.1	954.3	954.3	954.3
152.5°	978.2	977.5	976.8	976.1	976.8	977.5	978.2	978.9	979.0	978.6	978.1
155°	1012.5	1011.5	1010.5	1009.5	1010.5	1011.5	1012.5	1013.5	1013.6	1012.8	1012.0
157.5°	1041.4	1040.1	1038.8	1037.5	1038.8	1040.1	1041.4	1042.7	1042.9	1042.1	1041.3
160°	1059.7	1058.7	1057.7	1056.7	1057.7	1058.7	1059.7	1060.7	1060.8	1060.0	1059.2
162.5°	1076.6	1075.4	1074.2	1073.1	1074.2	1075.4	1076.6	1077.7	1077.8	1076.8	1075.8
165°	1098.6	1097.3	1096.2	1095.0	1096.2	1097.3	1098.6	1099.7	1099.9	1099.1	1098.3
167.5°	1116.2	1114.9	1113.7	1112.4	1113.7	1114.9	1116.2	1117.3	1117.4	1116.2	1115.0
170°	1125.9	1124.4	1123.1	1121.7	1123.1	1124.4	1125.9	1127.2	1127.3	1126.1	1125.0
172.5°	1133.2	1132.0	1130.8	1129.5	1130.8	1132.0	1133.2	1134.4	1134.4	1133.3	1132.1
175°	1141.0	1139.6	1138.2	1136.8	1138.2	1139.6	1141.0	1142.4	1142.5	1141.3	1140.1
177.5°	1144.4	1143.4	1142.2	1141.1	1142.2	1143.4	1144.4	1145.6	1145.6	1144.7	1143.7
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1565.9	1572.6	1580.9	1587.1	1598.2	1603.2	1609.3	1614.4	1623.2	1631.6	1641.6
5°	1460.4	1472.2	1488.3	1505.6	1525.8	1539.6	1559.2	1570.9	1594.6	1616.1	1637.0
7.5°	1364.8	1379.2	1401.9	1424.2	1450.5	1474.4	1498.8	1525.8	1555.9	1591.5	1621.0
10°	1299.1	1318.7	1342.9	1370.7	1402.8	1430.6	1463.2	1492.4	1529.2	1570.9	1609.9
12.5°	1246.9	1263.6	1290.7	1317.4	1351.6	1385.5	1419.2	1457.9	1500.8	1547.0	1596.0
15°	1174.7	1188.7	1210.9	1247.7	1282.5	1315.8	1366.5	1402.8	1457.0	1508.4	1567.4
17.5°	1113.1	1130.4	1149.1	1180.7	1216.7	1258.4	1303.8	1349.1	1401.3	1466.5	1533.1
20°	1075.3	1089.2	1110.8	1135.1	1173.3	1215.0	1258.1	1304.0	1368.0	1435.4	1507.0
22.5°	1034.2	1049.2	1073.5	1100.1	1132.2	1172.2	1219.8	1270.1	1336.9	1403.1	1480.9
25°	985.7	996.1	1018.3	1042.0	1074.0	1108.0	1157.4	1213.0	1279.0	1354.8	1434.0
27.5°	940.0	949.1	969.4	990.0	1018.9	1059.4	1103.4	1159.6	1221.8	1298.6	1386.4
30°	907.1	916.9	935.0	957.2	985.0	1020.4	1065.6	1118.5	1185.2	1260.3	1352.0
32.5°	878.8	887.3	901.0	923.3	950.5	984.8	1026.7	1080.6	1147.4	1223.5	1313.6
35°	834.8	844.5	855.0	872.4	896.0	929.3	975.3	1026.0	1089.9	1163.6	1246.3
37.5°	791.2	801.7	811.0	826.6	848.2	877.6	917.3	970.1	1028.0	1098.9	1178.3
40°	763.9	772.2	779.9	796.6	818.1	846.0	882.8	930.1	991.2	1057.3	1123.3
42.5°	736.6	744.5	751.0	765.4	785.3	812.0	847.2	893.3	950.1	1011.6	1069.9
45°	693.8	698.6	706.2	718.7	734.8	759.0	793.1	834.1	882.1	940.5	984.3
47.5°	647.3	655.0	661.2	672.2	685.3	709.2	741.8	776.7	820.2	863.6	894.5
50°	611.7	619.4	628.4	638.8	651.3	673.6	703.5	738.9	775.7	809.1	835.5
52.5°	578.4	585.4	595.0	604.8	620.2	639.1	664.5	696.1	732.4	756.3	778.3
55°	529.0	532.4	543.6	553.3	567.9	581.8	607.5	635.3	657.5	675.6	693.8
57.5°	478.5	483.2	489.6	498.4	512.8	529.1	547.2	571.8	584.9	594.1	608.2
60°	446.3	447.6	451.8	462.3	473.4	487.9	508.8	526.2	535.9	543.6	555.4
62.5°	410.6	411.0	417.9	425.5	433.9	449.6	466.5	480.6	488.7	492.4	503.6
65°	360.8	359.4	363.6	369.8	379.5	389.9	404.6	417.1	416.3	420.5	427.5
67.5°	309.8	308.4	308.4	314.3	322.3	331.5	341.6	348.8	348.9	354.5	358.0
70°	275.3	271.1	273.8	278.7	282.2	289.9	301.0	303.8	304.4	307.2	310.7
72.5°	239.7	238.3	240.5	242.6	245.0	250.9	260.4	262.1	262.2	263.9	269.6
75°	190.5	189.0	187.7	189.8	192.5	196.7	200.2	203.0	202.2	203.0	207.1
77.5°	142.8	138.8	138.2	139.3	140.0	142.5	146.2	145.8	146.5	146.4	151.1
80°	113.3	107.7	107.0	107.0	107.7	109.1	110.5	111.9	109.9	111.9	113.3
82.5°	83.3	79.9	79.8	79.3	79.4	79.6	80.5	81.3	80.9	81.9	82.8
85°	45.8	44.5	42.4	43.8	43.1	41.0	42.4	40.3	39.6	40.3	41.0
87.5°	18.6	19.0	17.6	17.3	16.5	16.8	15.3	14.4	13.6	13.8	15.2
90°	15.2	14.3	12.8	11.5	10.1	8.7	7.2	5.6	4.0	2.5	0.9
92.5°	35.5	34.2	32.5	30.8	29.1	27.4	25.9	24.9	23.7	22.6	21.6
95°	69.9	68.6	66.6	64.6	62.6	60.6	59.5	59.0	58.7	58.2	57.9
97.5°	110.5	109.1	106.4	103.7	100.9	98.3	96.8	96.7	96.5	96.3	96.1
100°	137.9	136.2	133.7	131.1	128.5	125.9	124.7	124.7	124.7	124.7	124.7
102.5°	166.7	164.7	163.4	162.1	160.8	159.4	158.5	157.7	156.9	156.0	155.2
105°	213.9	212.8	211.6	210.4	209.2	208.0	207.0	206.0	204.9	203.9	203.0
107.5°	264.8	264.2	263.3	262.4	261.4	260.6	259.7	258.7	257.6	256.6	255.7
110°	299.7	299.1	298.5	297.9	297.3	296.8	296.0	295.0	294.0	293.0	292.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	335.0	334.7	333.9	333.2	332.5	331.7	331.1	330.6	330.0	329.6	329.0
115°	388.9	389.1	388.6	388.3	387.8	387.4	386.8	386.1	385.3	384.5	383.7
117.5°	441.9	441.8	441.4	441.0	440.7	440.3	440.0	439.6	439.3	438.9	438.5
120°	478.0	478.0	477.9	477.7	477.4	477.2	476.7	475.7	474.7	473.7	472.7
122.5°	513.5	513.6	513.2	512.6	512.1	511.6	511.2	510.9	510.5	510.1	509.8
125°	565.8	566.2	566.0	565.8	565.6	565.4	564.7	563.6	562.3	561.2	560.0
127.5°	617.2	617.5	617.2	617.0	616.8	616.5	616.1	615.4	614.7	614.0	613.4
130°	651.5	651.7	651.2	650.9	650.5	650.1	649.3	648.4	647.4	646.4	645.4
132.5°	684.2	684.4	684.5	684.6	684.7	684.7	683.9	682.3	680.7	679.1	677.4
135°	734.4	734.4	734.2	734.1	733.9	733.7	733.0	731.7	730.6	729.4	728.3
137.5°	783.3	783.0	782.7	782.2	781.8	781.3	780.5	779.4	778.2	777.0	776.0
140°	814.0	813.7	813.1	812.5	811.9	811.3	810.5	809.5	808.5	807.5	806.6
142.5°	844.5	844.3	843.6	842.8	842.0	841.3	840.5	839.6	838.8	838.0	837.1
145°	888.5	888.5	887.9	887.3	886.7	886.1	885.4	884.6	883.8	883.1	882.3
147.5°	928.4	928.0	927.5	927.0	926.6	926.1	925.6	925.2	924.8	924.3	923.9
150°	954.3	954.3	953.5	952.8	952.0	951.2	950.9	951.1	951.3	951.5	951.6
152.5°	977.6	977.1	976.8	976.5	976.2	975.9	975.5	975.3	975.0	974.7	974.5
155°	1011.2	1010.4	1010.2	1010.0	1009.9	1009.6	1009.5	1009.5	1009.5	1009.5	1009.5
157.5°	1040.6	1039.8	1039.6	1039.4	1039.2	1039.0	1039.1	1039.6	1040.0	1040.4	1040.9
160°	1058.4	1057.6	1057.4	1057.2	1057.0	1056.9	1057.0	1057.6	1058.2	1058.8	1059.4
162.5°	1075.0	1074.0	1074.0	1073.9	1073.9	1073.8	1074.1	1074.4	1074.9	1075.3	1075.8
165°	1097.6	1096.8	1096.5	1096.4	1096.2	1096.0	1096.1	1096.4	1096.9	1097.3	1097.7
167.5°	1113.8	1112.6	1112.6	1112.6	1112.6	1112.6	1113.0	1113.8	1114.6	1115.4	1116.2
170°	1123.8	1122.6	1122.6	1122.6	1122.6	1122.6	1123.0	1123.8	1124.5	1125.3	1126.1
172.5°	1130.9	1129.7	1129.7	1129.7	1129.7	1129.7	1130.2	1130.9	1131.7	1132.5	1133.3
175°	1138.9	1137.7	1137.7	1137.7	1137.7	1137.7	1138.1	1138.9	1139.7	1140.5	1141.3
177.5°	1142.8	1141.8	1142.0	1142.1	1142.3	1142.5	1142.8	1143.4	1144.2	1144.8	1145.4
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1646.5	1654.4	1659.4	1668.8	1676.6	1681.1	1685.0	1688.3	1692.2	1695.5	1705.0
5°	1657.2	1675.2	1690.5	1714.1	1735.7	1752.4	1770.4	1786.5	1799.7	1818.4	1833.0
7.5°	1652.5	1684.6	1718.3	1754.9	1792.2	1827.0	1859.0	1888.9	1916.0	1948.8	1977.5
10°	1648.1	1691.9	1735.0	1784.3	1835.1	1878.2	1918.5	1959.5	1989.4	2031.1	2066.5
12.5°	1644.8	1696.3	1748.4	1807.7	1863.4	1924.3	1978.0	2007.9	2053.3	2086.7	2128.9
15°	1630.8	1698.9	1770.4	1837.2	1916.4	1972.7	2020.0	2078.4	2120.8	2163.2	2209.0
17.5°	1605.5	1682.7	1762.8	1850.2	1926.3	1986.7	2047.6	2104.0	2154.6	2211.4	2268.5
20°	1593.8	1671.1	1762.8	1852.4	1926.8	1990.1	2052.6	2114.5	2170.2	2243.1	2309.2
22.5°	1569.4	1662.7	1747.2	1834.7	1911.3	1980.0	2051.0	2121.2	2195.1	2277.6	2360.3
25°	1525.8	1620.3	1709.9	1796.2	1873.3	1959.5	2035.2	2129.1	2223.7	2332.8	2435.6
27.5°	1480.4	1570.9	1653.1	1736.3	1826.3	1924.0	2022.2	2128.7	2252.5	2390.2	2535.3
30°	1443.8	1529.2	1609.2	1694.7	1788.5	1898.4	2006.1	2132.6	2275.8	2430.8	2603.2
32.5°	1400.9	1479.7	1557.5	1648.0	1750.2	1866.1	1991.6	2130.4	2302.5	2478.6	2656.0
35°	1327.7	1393.7	1473.6	1570.2	1685.6	1818.4	1963.7	2127.7	2325.1	2527.4	2676.8
37.5°	1240.7	1302.3	1386.4	1492.4	1613.4	1755.9	1928.2	2122.9	2332.5	2493.8	2542.0
40°	1182.4	1239.4	1327.0	1436.8	1560.5	1711.4	1900.4	2106.2	2309.2	2412.0	2372.4
42.5°	1120.1	1179.9	1265.2	1373.9	1507.2	1671.3	1865.4	2071.2	2241.3	2280.2	2143.3
45°	1021.8	1083.7	1167.8	1277.6	1420.8	1598.7	1801.0	1988.0	2086.0	2015.8	1803.8
47.5°	930.5	988.5	1066.4	1179.7	1327.5	1511.5	1706.4	1855.6	1863.3	1695.8	1469.4
50°	868.2	921.7	1000.2	1113.6	1260.3	1446.5	1622.4	1739.8	1687.0	1497.3	1279.7
52.5°	807.0	859.4	936.8	1049.1	1194.1	1364.8	1528.4	1610.9	1511.3	1316.5	1130.7
55°	718.7	764.6	840.3	944.0	1081.6	1240.1	1379.1	1407.6	1278.3	1086.5	935.6
57.5°	632.6	675.4	744.3	839.7	965.5	1105.9	1214.6	1208.5	1071.8	907.2	787.6
60°	574.2	615.9	677.1	770.2	884.8	1005.8	1098.9	1076.7	941.2	799.4	698.6
62.5°	521.9	559.1	617.0	698.5	803.2	915.2	991.7	958.9	826.1	702.0	622.4
65°	444.9	476.2	525.5	595.0	681.9	774.4	833.4	791.0	677.7	581.1	517.2
67.5°	371.3	396.4	437.7	493.2	567.3	641.6	677.6	634.9	544.3	473.8	426.4
70°	324.6	346.9	378.8	428.2	492.8	555.4	582.5	544.3	466.5	405.9	371.8
72.5°	277.9	296.2	324.3	368.7	420.5	474.7	498.6	462.0	398.1	347.0	315.1
75°	214.8	227.3	246.7	277.3	318.3	361.5	374.7	342.7	301.7	263.4	242.6
77.5°	153.7	164.3	179.1	198.4	227.5	254.9	266.4	247.9	216.2	192.0	174.9
80°	118.2	123.8	136.3	152.2	175.1	192.5	200.2	188.4	166.1	148.0	134.8
82.5°	84.3	89.8	97.3	110.5	125.1	137.0	145.2	137.2	121.1	106.9	99.2
85°	41.0	44.5	48.7	54.2	65.4	72.3	71.6	66.7	60.5	54.9	50.7
87.5°	15.0	15.8	17.8	20.9	22.8	25.4	26.8	25.9	24.0	22.5	21.0
90°	2.5	4.0	5.6	7.2	8.7	10.1	11.5	12.8	14.3	15.2	16.2
92.5°	22.6	23.7	24.9	25.9	27.4	29.1	30.8	32.5	34.2	35.5	36.8
95°	58.2	58.7	59.0	59.5	60.6	62.6	64.6	66.6	68.6	69.9	71.3
97.5°	96.3	96.5	96.7	96.8	98.3	100.9	103.7	106.4	109.1	110.5	111.7
100°	124.7	124.7	124.7	124.7	125.9	128.5	131.1	133.7	136.2	137.9	139.7
102.5°	156.0	156.9	157.7	158.5	159.4	160.8	162.1	163.4	164.7	166.7	168.5
105°	203.9	204.9	206.0	207.0	208.0	209.2	210.4	211.6	212.8	213.9	215.2
107.5°	256.6	257.6	258.7	259.7	260.6	261.4	262.4	263.3	264.2	264.8	265.4
110°	293.0	294.0	295.0	296.0	296.8	297.3	297.9	298.5	299.1	299.7	300.3



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	329.6	330.0	330.6	331.1	331.7	332.5	333.2	333.9	334.7	335.0	335.3
115°	384.5	385.3	386.1	386.8	387.4	387.8	388.3	388.6	389.1	388.9	388.6
117.5°	438.9	439.3	439.6	440.0	440.3	440.7	441.0	441.4	441.8	441.9	442.0
120°	473.7	474.7	475.7	476.7	477.2	477.4	477.7	477.9	478.0	478.0	478.0
122.5°	510.1	510.5	510.9	511.2	511.6	512.1	512.6	513.2	513.6	513.5	513.4
125°	561.2	562.3	563.6	564.7	565.4	565.6	565.8	566.0	566.2	565.8	565.4
127.5°	614.0	614.7	615.4	616.1	616.5	616.8	617.0	617.2	617.5	617.2	617.1
130°	646.4	647.4	648.4	649.3	650.1	650.5	650.9	651.2	651.7	651.5	651.2
132.5°	679.1	680.7	682.3	683.9	684.7	684.7	684.6	684.5	684.4	684.2	684.0
135°	729.4	730.6	731.7	733.0	733.7	733.9	734.1	734.2	734.4	734.4	734.4
137.5°	777.0	778.2	779.4	780.5	781.3	781.8	782.2	782.7	783.0	783.3	783.5
140°	807.5	808.5	809.5	810.5	811.3	811.9	812.5	813.1	813.7	814.0	814.5
142.5°	838.0	838.8	839.6	840.5	841.3	842.0	842.8	843.6	844.3	844.5	844.8
145°	883.1	883.8	884.6	885.4	886.1	886.7	887.3	887.9	888.5	888.5	888.5
147.5°	924.3	924.8	925.2	925.6	926.1	926.6	927.0	927.5	928.0	928.4	928.9
150°	951.5	951.3	951.1	950.9	951.2	952.0	952.8	953.5	954.3	954.3	954.3
152.5°	974.7	975.0	975.3	975.5	975.9	976.2	976.5	976.8	977.1	977.6	978.1
155°	1009.5	1009.5	1009.5	1009.5	1009.6	1009.9	1010.0	1010.2	1010.4	1011.2	1012.0
157.5°	1040.4	1040.0	1039.6	1039.1	1039.0	1039.2	1039.4	1039.6	1039.8	1040.6	1041.3
160°	1058.8	1058.2	1057.6	1057.0	1056.9	1057.0	1057.2	1057.4	1057.6	1058.4	1059.2
162.5°	1075.3	1074.9	1074.4	1074.1	1073.8	1073.9	1073.9	1074.0	1074.0	1075.0	1075.8
165°	1097.3	1096.9	1096.4	1096.1	1096.0	1096.2	1096.4	1096.5	1096.8	1097.6	1098.3
167.5°	1115.4	1114.6	1113.8	1113.0	1112.6	1112.6	1112.6	1112.6	1112.6	1113.8	1115.0
170°	1125.3	1124.5	1123.8	1123.0	1122.6	1122.6	1122.6	1122.6	1122.6	1123.8	1125.0
172.5°	1132.5	1131.7	1130.9	1130.2	1129.7	1129.7	1129.7	1129.7	1129.7	1130.9	1132.1
175°	1140.5	1139.7	1138.9	1138.1	1137.7	1137.7	1137.7	1137.7	1137.7	1138.9	1140.1
177.5°	1144.8	1144.2	1143.4	1142.8	1142.5	1142.3	1142.1	1142.0	1141.8	1142.8	1143.7
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1712.7	1717.2	1726.6	1723.3	1727.8	1730.0	1732.2
5°	1851.1	1873.3	1883.0	1881.7	1896.2	1892.7	1889.3
7.5°	2007.3	2030.7	2043.8	2060.0	2069.5	2070.2	2078.4
10°	2095.8	2126.4	2138.9	2156.2	2167.4	2173.6	2172.9
12.5°	2163.6	2187.5	2215.5	2224.1	2239.1	2247.0	2244.1
15°	2245.2	2283.4	2312.7	2327.2	2346.0	2351.5	2359.2
17.5°	2318.1	2369.4	2403.4	2448.7	2465.8	2476.3	2470.1
20°	2373.1	2440.5	2474.6	2528.8	2558.7	2574.7	2569.1
22.5°	2438.2	2511.1	2574.1	2621.1	2666.6	2688.2	2692.6
25°	2549.7	2649.7	2742.2	2804.1	2860.3	2873.5	2902.8
27.5°	2674.2	2792.2	2891.1	2956.2	2995.3	3010.1	3019.2
30°	2752.6	2870.1	2944.5	2986.2	2998.7	2997.3	2995.9
32.5°	2791.0	2864.5	2878.9	2867.2	2838.6	2814.3	2789.1
35°	2736.7	2681.7	2599.7	2494.0	2416.2	2337.6	2330.0
37.5°	2461.2	2285.6	2149.1	1996.6	1908.6	1854.3	1816.8
40°	2202.1	2002.6	1837.2	1708.6	1618.9	1583.5	1548.7
42.5°	1920.7	1730.1	1583.6	1476.1	1408.7	1369.4	1341.8
45°	1560.5	1392.3	1277.6	1199.8	1146.2	1115.6	1098.2
47.5°	1278.7	1154.3	1056.9	1000.7	963.7	940.0	940.0
50°	1127.5	1008.6	944.0	899.5	867.5	848.7	852.2
52.5°	993.5	904.6	849.4	812.2	788.5	776.9	776.6
55°	830.6	766.7	730.6	703.5	687.4	674.2	677.1
57.5°	710.5	656.6	632.4	609.9	598.8	593.5	585.9
60°	636.1	594.3	573.5	555.4	544.3	540.1	532.4
62.5°	569.9	537.1	516.7	502.0	492.0	490.6	484.6
65°	478.9	453.9	435.9	428.9	418.5	415.7	415.7
67.5°	394.8	376.9	362.8	356.4	351.9	352.6	349.2
70°	342.0	327.4	318.3	311.4	307.9	308.6	305.9
72.5°	299.2	282.9	275.0	270.8	266.3	268.0	266.9
75°	226.6	218.3	214.1	209.9	207.1	205.7	204.4
77.5°	166.4	159.1	155.9	153.5	153.9	150.5	153.2
80°	128.6	122.3	120.3	116.8	116.1	116.1	115.4
82.5°	94.1	90.6	89.1	86.2	85.0	86.1	84.3
85°	48.7	45.8	45.2	45.2	43.8	42.4	45.8
87.5°	21.2	19.2	19.4	18.9	19.1	18.6	17.7
90°	17.2	18.2	19.0	19.6	20.2	20.8	21.4
92.5°	38.1	39.4	40.3	40.8	41.1	41.6	42.0
95°	72.7	74.1	75.0	75.3	75.8	76.2	76.6
97.5°	113.1	114.4	115.1	115.4	115.7	115.8	116.1
100°	141.5	143.3	144.5	144.8	145.2	145.6	146.0
102.5°	170.5	172.5	173.7	174.2	174.8	175.4	175.9
105°	216.3	217.5	218.4	219.0	219.6	220.2	220.8
107.5°	266.0	266.6	266.9	266.8	266.8	266.8	266.7
110°	300.9	301.5	301.7	301.5	301.3	301.1	300.9



TEST NUMBER: P333323-940

CATALOG NUMBER: S125DIP-S1270D1035U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	335.6	335.8	335.8	335.5	335.1	334.7	334.4
115°	388.4	388.3	388.1	387.8	387.6	387.4	387.3
117.5°	442.2	442.4	442.0	441.2	440.5	439.7	438.9
120°	478.0	478.0	477.7	476.9	476.1	475.3	474.5
122.5°	513.2	513.0	512.6	512.0	511.4	510.8	510.1
125°	565.0	564.6	564.3	564.1	563.9	563.7	563.6
127.5°	616.9	616.7	616.4	616.0	615.5	615.2	614.8
130°	651.0	650.9	650.6	650.1	649.8	649.3	649.0
132.5°	683.9	683.6	683.2	682.7	682.2	681.6	681.0
135°	734.4	734.4	734.1	733.3	732.5	731.6	730.8
137.5°	783.7	784.0	783.6	782.7	781.7	780.7	779.7
140°	814.8	815.3	814.9	814.0	813.0	812.0	811.0
142.5°	845.0	845.3	844.9	843.9	842.9	842.0	840.9
145°	888.5	888.5	888.1	887.6	887.0	886.4	885.8
147.5°	929.4	929.9	929.4	928.1	926.8	925.4	924.1
150°	954.3	954.3	954.1	953.8	953.3	953.0	952.5
152.5°	978.6	979.0	978.9	978.2	977.5	976.8	976.1
155°	1012.8	1013.6	1013.5	1012.5	1011.5	1010.5	1009.5
157.5°	1042.1	1042.9	1042.7	1041.4	1040.1	1038.8	1037.5
160°	1060.0	1060.8	1060.7	1059.7	1058.7	1057.7	1056.7
162.5°	1076.8	1077.8	1077.7	1076.6	1075.4	1074.2	1073.1
165°	1099.1	1099.9	1099.7	1098.6	1097.3	1096.2	1095.0
167.5°	1116.2	1117.4	1117.3	1116.2	1114.9	1113.7	1112.4
170°	1126.1	1127.3	1127.2	1125.9	1124.4	1123.1	1121.7
172.5°	1133.3	1134.4	1134.4	1133.2	1132.0	1130.8	1129.5
175°	1141.3	1142.5	1142.4	1141.0	1139.6	1138.2	1136.8
177.5°	1144.7	1145.6	1145.6	1144.4	1143.4	1142.2	1141.1
180°	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0

(END OF REPORT)