

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: P333323-830

Luminaire Tested: **S125DIP-S1270D1035U830-4F0-1E-UDD-A1**

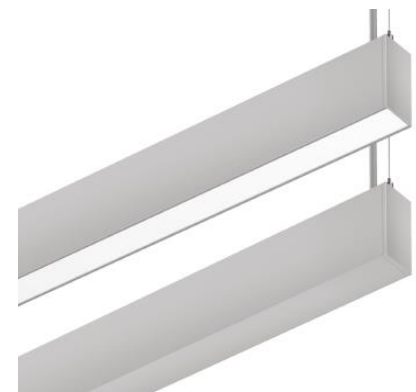
Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333323-830  
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-S1270D1035U830-4F0-1E-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**

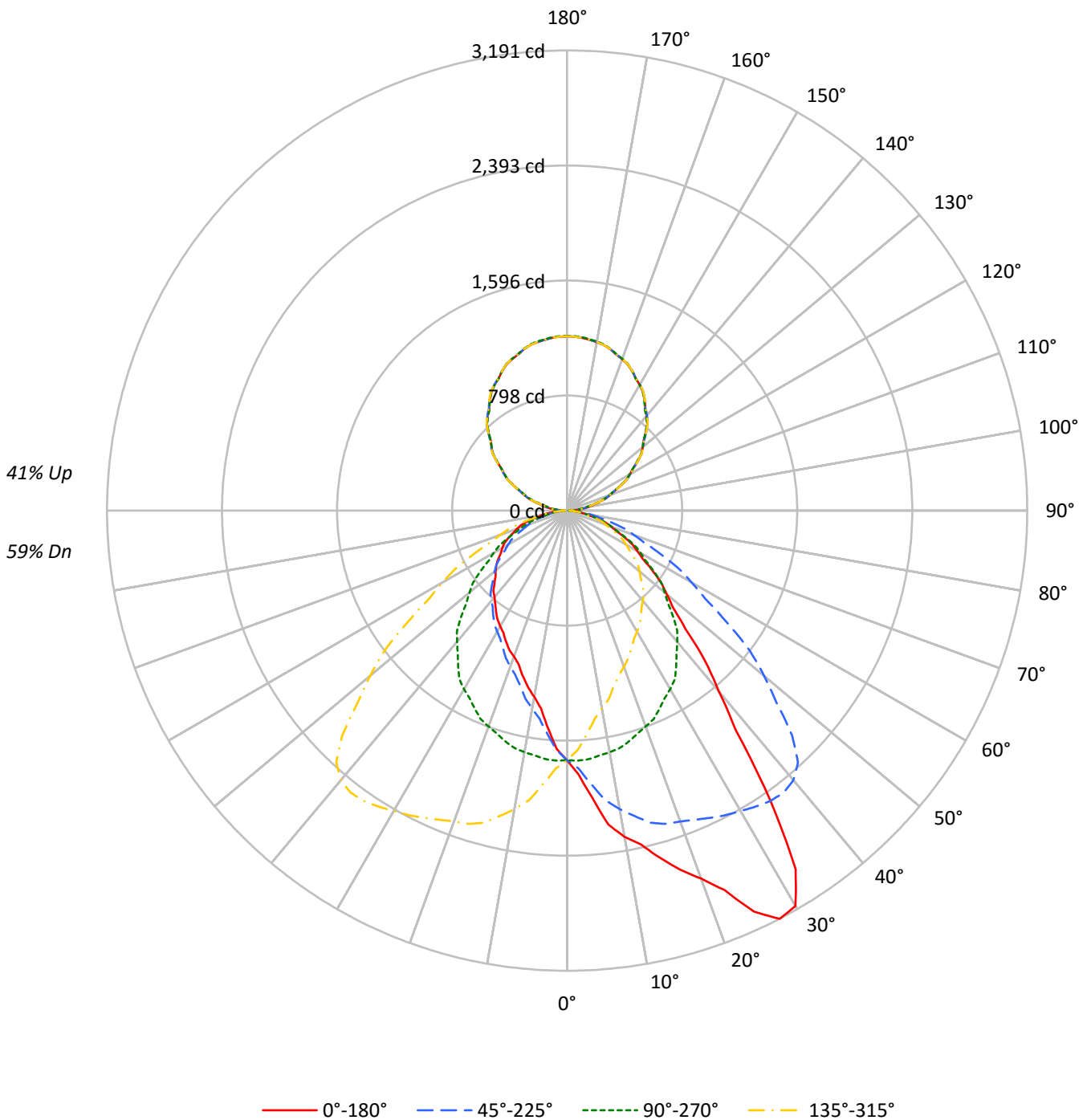
Lumens per Lamp: N/A  
Luminaire Lumens: 8261.4 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (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: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**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°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	2.0
10°-20°	496.2	6.0
20°-30°	805.7	9.8
30°-40°	982.8	11.9
40°-50°	894.0	10.8
50°-60°	712.1	8.6
60°-70°	496.0	6.0
70°-80°	264.5	3.2
80°-90°	69.4	0.8
90°-100°	81.0	1.0
100°-110°	239.1	2.9
110°-120°	405.1	4.9
120°-130°	533.1	6.5
130°-140°	597.3	7.2
140°-150°	585.5	7.1
150°-160°	491.7	6.0
160°-170°	326.9	4.0
170°-180°	114.4	1.4
0°-30°	1468.5	17.8
0°-40°	2451.2	29.7
0°-60°	4057.4	49.1
0°-90°	4887.3	59.2
90°-120°	725.2	8.8
90°-150°	2441.1	29.5
90°-180°	3374.0	40.8
0°-180°	8261.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	57
90°	23	1	23	1	23	15
95°	81	61	81	61	81	82
105°	233	214	233	214	233	247
115°	409	406	409	406	409	405
125°	596	592	596	592	596	532
135°	772	770	772	770	772	596
145°	936	933	936	933	936	584
155°	1067	1067	1067	1067	1067	491
165°	1157	1160	1157	1160	1157	326
175°	1202	1206	1202	1206	1202	114
180°	1209	1209	1209	1209	1209	



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	18.7	19.7	20.2	20.0	20.5	20.3	22.4	22.2	23.8	25.4	27.4
90°	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2	16.1	15.1	13.6
92.5°	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9	37.5	36.1	34.3
95°	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4	73.9	72.5	70.4
97.5°	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1	116.8	115.4	112.4
100°	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7	145.8	143.9	141.3
102.5°	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1	176.2	174.1	172.7
105°	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4	226.1	224.9	223.7
107.5°	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5	279.9	279.3	278.3
110°	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4	316.8	316.1	315.6



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4	354.1	353.8	353.0
115°	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8	411.0	411.2	410.8
117.5°	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2	467.1	466.9	466.6
120°	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3	505.3	505.3	505.1
122.5°	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6	542.8	542.9	542.4
125°	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7	598.0	598.5	598.2
127.5°	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2	652.4	652.7	652.4
130°	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3	688.6	688.8	688.3
132.5°	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0	723.2	723.4	723.5
135°	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3	776.3	776.3	776.1
137.5°	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2	827.9	827.6	827.3
140°	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9	860.4	860.1	859.4
142.5°	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0	892.7	892.4	891.6
145°	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1	939.1	939.1	938.5
147.5°	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8	981.4	980.9	980.3
150°	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7	1008.7	1008.7	1007.9
152.5°	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9	1033.3	1032.8	1032.5
155°	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7	1068.8	1068.0	1067.8
157.5°	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7	1099.9	1099.1	1098.9
160°	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6	1118.7	1117.9	1117.7
162.5°	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2	1136.2	1135.2	1135.2
165°	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9	1160.2	1159.3	1159.0
167.5°	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6	1177.3	1176.0	1176.0
170°	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1	1187.9	1186.6	1186.6
172.5°	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7	1195.3	1194.1	1194.1
175°	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1	1203.8	1202.6	1202.6
177.5°	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9	1208.0	1206.9	1207.1
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	28.3	26.9	24.1	22.1	18.9	16.7	15.8	16.0	14.6	14.4	15.3
90°	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9
92.5°	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8	23.9	25.1	26.3
95°	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2	61.5	62.0	62.4
97.5°	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6	101.8	102.0	102.2
100°	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8
102.5°	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1	164.9	165.8	166.6
105°	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5	215.6	216.6	217.7
107.5°	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2	271.3	272.3	273.4
110°	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7	309.7	310.8	311.8





TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8	348.4	348.8	349.4
115°	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6	406.4	407.3	408.1
117.5°	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5	463.9	464.3	464.7
120°	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6	500.7	501.7	502.8
122.5°	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9	539.2	539.6	540.0
125°	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9	593.1	594.4	595.7
127.5°	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4	649.0	649.8	650.4
130°	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2	683.2	684.3	685.3
132.5°	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0	717.8	719.5	721.2
135°	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8	771.0	772.2	773.5
137.5°	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2	821.3	822.6	823.8
140°	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5	853.6	854.6	855.6
142.5°	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9	885.8	886.6	887.5
145°	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6	933.4	934.2	935.0
147.5°	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6	977.0	977.5	978.0
150°	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9	1005.7	1005.5	1005.3
152.5°	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0	1030.3	1030.6	1030.9
155°	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2	1099.8	1099.3	1098.8
160°	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7	1119.2	1118.5	1117.9
162.5°	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1	1136.6	1136.1	1135.7
165°	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3	1159.8	1159.4	1159.0
167.5°	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8	1178.9	1178.2	1177.3
170°	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3	1189.5	1188.6	1187.9
172.5°	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9	1197.0	1196.2	1195.3
175°	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4	1205.5	1204.7	1203.8
177.5°	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7	1210.0	1209.4	1208.6
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	16.2	17.7	17.4	18.3	18.6	20.1	19.7	22.2	23.7	25.0	24.6
90°	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2	18.2	19.2	20.1
92.5°	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9	40.2	41.7	42.6
95°	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4	76.8	78.3	79.3
97.5°	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1	119.5	120.9	121.7
100°	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7	149.6	151.5	152.7
102.5°	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1	180.2	182.3	183.6
105°	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4	228.7	229.9	230.8
107.5°	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5	281.2	281.8	282.1
110°	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4	318.0	318.7	318.9



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4	354.7	355.0	355.0
115°	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8	410.6	410.4	410.2
117.5°	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2	467.4	467.6	467.2
120°	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3	505.3	505.3	504.9
122.5°	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6	542.4	542.2	541.9
125°	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7	597.2	596.8	596.4
127.5°	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2	652.1	651.9	651.5
130°	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3	688.2	688.0	687.7
132.5°	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0	722.8	722.6	722.2
135°	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3	776.3	776.3	775.9
137.5°	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2	828.4	828.7	828.3
140°	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9	861.3	861.8	861.4
142.5°	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0	893.2	893.4	893.1
145°	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1	939.1	939.1	938.8
147.5°	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8	982.4	982.9	982.4
150°	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7	1008.7	1008.7	1008.5
152.5°	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9	1034.3	1034.8	1034.7
155°	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7	1070.5	1071.4	1071.3
157.5°	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7	1101.5	1102.4	1102.1
160°	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6	1120.4	1121.2	1121.2
162.5°	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2	1138.2	1139.3	1139.2
165°	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9	1161.8	1162.6	1162.4
167.5°	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6	1179.8	1181.1	1181.0
170°	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1	1190.3	1191.6	1191.5
172.5°	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7	1197.9	1199.1	1199.1
175°	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1	1206.4	1207.6	1207.5
177.5°	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9	1209.9	1210.9	1210.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	25.9	25.4	25.5	26.9	25.5	25.4	25.9	24.6	25.0	23.7	22.2
90°	20.7	21.3	22.0	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2
92.5°	43.1	43.5	43.9	44.4	43.9	43.5	43.1	42.6	41.7	40.2	38.9
95°	79.6	80.1	80.5	81.0	80.5	80.1	79.6	79.3	78.3	76.8	75.4
97.5°	122.0	122.2	122.4	122.7	122.4	122.2	122.0	121.7	120.9	119.5	118.1
100°	153.1	153.4	153.9	154.3	153.9	153.4	153.1	152.7	151.5	149.6	147.7
102.5°	184.2	184.7	185.4	186.0	185.4	184.7	184.2	183.6	182.3	180.2	178.1
105°	231.5	232.1	232.7	233.4	232.7	232.1	231.5	230.8	229.9	228.7	227.4
107.5°	282.0	282.0	282.0	281.9	282.0	282.0	282.0	282.1	281.8	281.2	280.5
110°	318.7	318.5	318.3	318.0	318.3	318.5	318.7	318.9	318.7	318.0	317.4



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	354.6	354.2	353.8	353.5	353.8	354.2	354.6	355.0	355.0	354.7	354.4
115°	409.9	409.7	409.5	409.3	409.5	409.7	409.9	410.2	410.4	410.6	410.8
117.5°	466.4	465.6	464.8	463.9	464.8	465.6	466.4	467.2	467.6	467.4	467.2
120°	504.1	503.2	502.4	501.5	502.4	503.2	504.1	504.9	505.3	505.3	505.3
122.5°	541.2	540.5	539.9	539.2	539.9	540.5	541.2	541.9	542.2	542.4	542.6
125°	596.3	596.1	595.9	595.7	595.9	596.1	596.3	596.4	596.8	597.2	597.7
127.5°	651.1	650.6	650.3	649.9	650.3	650.6	651.1	651.5	651.9	652.1	652.2
130°	687.2	686.8	686.4	686.0	686.4	686.8	687.2	687.7	688.0	688.2	688.3
132.5°	721.6	721.0	720.5	719.8	720.5	721.0	721.6	722.2	722.6	722.8	723.0
135°	775.1	774.2	773.4	772.5	773.4	774.2	775.1	775.9	776.3	776.3	776.3
137.5°	827.3	826.2	825.2	824.2	825.2	826.2	827.3	828.3	828.7	828.4	828.2
140°	860.4	859.3	858.3	857.2	858.3	859.3	860.4	861.4	861.8	861.3	860.9
142.5°	892.0	891.0	889.9	888.8	889.9	891.0	892.0	893.1	893.4	893.2	893.0
145°	938.2	937.5	936.9	936.3	936.9	937.5	938.2	938.8	939.1	939.1	939.1
147.5°	981.0	979.6	978.2	976.8	978.2	979.6	981.0	982.4	982.9	982.4	981.8
150°	1008.1	1007.7	1007.3	1006.8	1007.3	1007.7	1008.1	1008.5	1008.7	1008.7	1008.7
152.5°	1034.0	1033.2	1032.5	1031.7	1032.5	1033.2	1034.0	1034.7	1034.8	1034.3	1033.9
155°	1070.3	1069.1	1068.1	1067.1	1068.1	1069.1	1070.3	1071.3	1071.4	1070.5	1069.7
157.5°	1100.8	1099.4	1098.0	1096.6	1098.0	1099.4	1100.8	1102.1	1102.4	1101.5	1100.7
160°	1120.1	1119.1	1118.0	1116.9	1118.0	1119.1	1120.1	1121.2	1121.2	1120.4	1119.6
162.5°	1137.9	1136.7	1135.5	1134.3	1135.5	1136.7	1137.9	1139.2	1139.3	1138.2	1137.2
165°	1161.2	1159.9	1158.7	1157.4	1158.7	1159.9	1161.2	1162.4	1162.6	1161.8	1160.9
167.5°	1179.8	1178.5	1177.1	1175.8	1177.1	1178.5	1179.8	1181.0	1181.1	1179.8	1178.6
170°	1190.1	1188.5	1187.1	1185.6	1187.1	1188.5	1190.1	1191.5	1191.6	1190.3	1189.1
172.5°	1197.8	1196.6	1195.2	1193.9	1195.2	1196.6	1197.8	1199.1	1199.1	1197.9	1196.7
175°	1206.1	1204.6	1203.1	1201.6	1203.1	1204.6	1206.1	1207.5	1207.6	1206.4	1205.1
177.5°	1209.7	1208.5	1207.3	1206.2	1207.3	1208.5	1209.7	1210.9	1210.9	1209.9	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	19.7	20.1	18.6	18.3	17.4	17.7	16.2	15.3	14.4	14.6	16.0
90°	16.1	15.1	13.6	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9
92.5°	37.5	36.1	34.3	32.5	30.7	28.9	27.4	26.3	25.1	23.9	22.8
95°	73.9	72.5	70.4	68.2	66.2	64.1	62.9	62.4	62.0	61.5	61.2
97.5°	116.8	115.4	112.4	109.6	106.7	103.9	102.3	102.2	102.0	101.8	101.6
100°	145.8	143.9	141.3	138.6	135.8	133.1	131.8	131.8	131.8	131.8	131.8
102.5°	176.2	174.1	172.7	171.4	169.9	168.5	167.5	166.6	165.8	164.9	164.1
105°	226.1	224.9	223.7	222.3	221.1	219.9	218.8	217.7	216.6	215.6	214.5
107.5°	279.9	279.3	278.3	277.4	276.4	275.4	274.5	273.4	272.3	271.3	270.2
110°	316.8	316.1	315.6	314.9	314.2	313.7	312.8	311.8	310.8	309.7	308.7



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	354.1	353.8	353.0	352.2	351.5	350.6	350.0	349.4	348.8	348.4	347.8
115°	411.0	411.2	410.8	410.4	409.9	409.5	408.9	408.1	407.3	406.4	405.6
117.5°	467.1	466.9	466.6	466.2	465.8	465.4	465.1	464.7	464.3	463.9	463.5
120°	505.3	505.3	505.1	504.9	504.6	504.4	503.9	502.8	501.7	500.7	499.6
122.5°	542.8	542.9	542.4	541.9	541.3	540.7	540.4	540.0	539.6	539.2	538.9
125°	598.0	598.5	598.2	598.0	597.9	597.7	596.9	595.7	594.4	593.1	591.9
127.5°	652.4	652.7	652.4	652.1	652.0	651.7	651.2	650.4	649.8	649.0	648.4
130°	688.6	688.8	688.3	688.0	687.6	687.1	686.4	685.3	684.3	683.2	682.2
132.5°	723.2	723.4	723.5	723.6	723.7	723.8	722.9	721.2	719.5	717.8	716.0
135°	776.3	776.3	776.1	775.9	775.7	775.5	774.8	773.5	772.2	771.0	769.8
137.5°	827.9	827.6	827.3	826.8	826.3	825.9	825.0	823.8	822.6	821.3	820.2
140°	860.4	860.1	859.4	858.8	858.2	857.5	856.7	855.6	854.6	853.6	852.5
142.5°	892.7	892.4	891.6	890.9	890.0	889.3	888.4	887.5	886.6	885.8	884.9
145°	939.1	939.1	938.5	937.8	937.3	936.6	935.9	935.0	934.2	933.4	932.6
147.5°	981.4	980.9	980.3	979.9	979.4	978.9	978.4	978.0	977.5	977.0	976.6
150°	1008.7	1008.7	1007.9	1007.1	1006.3	1005.4	1005.1	1005.3	1005.5	1005.7	1005.9
152.5°	1033.3	1032.8	1032.5	1032.2	1031.8	1031.5	1031.1	1030.9	1030.6	1030.3	1030.0
155°	1068.8	1068.0	1067.8	1067.6	1067.4	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
157.5°	1099.9	1099.1	1098.9	1098.6	1098.4	1098.3	1098.3	1098.8	1099.3	1099.8	1100.2
160°	1118.7	1117.9	1117.7	1117.5	1117.3	1117.1	1117.3	1117.9	1118.5	1119.2	1119.7
162.5°	1136.2	1135.2	1135.2	1135.1	1135.1	1135.0	1135.3	1135.7	1136.1	1136.6	1137.1
165°	1160.2	1159.3	1159.0	1158.9	1158.7	1158.5	1158.6	1159.0	1159.4	1159.8	1160.3
167.5°	1177.3	1176.0	1176.0	1176.0	1176.0	1176.0	1176.5	1177.3	1178.2	1178.9	1179.8
170°	1187.9	1186.6	1186.6	1186.6	1186.6	1186.6	1187.0	1187.9	1188.6	1189.5	1190.3
172.5°	1195.3	1194.1	1194.1	1194.1	1194.1	1194.1	1194.6	1195.3	1196.2	1197.0	1197.9
175°	1203.8	1202.6	1202.6	1202.6	1202.6	1202.6	1203.0	1203.8	1204.7	1205.5	1206.4
177.5°	1208.0	1206.9	1207.1	1207.2	1207.4	1207.6	1208.0	1208.6	1209.4	1210.0	1210.7
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.8	16.7	18.9	22.1	24.1	26.9	28.3	27.4	25.4	23.8	22.2
90°	2.6	4.2	5.9	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2
92.5°	23.9	25.1	26.3	27.4	28.9	30.7	32.5	34.3	36.1	37.5	38.9
95°	61.5	62.0	62.4	62.9	64.1	66.2	68.2	70.4	72.5	73.9	75.4
97.5°	101.8	102.0	102.2	102.3	103.9	106.7	109.6	112.4	115.4	116.8	118.1
100°	131.8	131.8	131.8	131.8	133.1	135.8	138.6	141.3	143.9	145.8	147.7
102.5°	164.9	165.8	166.6	167.5	168.5	169.9	171.4	172.7	174.1	176.2	178.1
105°	215.6	216.6	217.7	218.8	219.9	221.1	222.3	223.7	224.9	226.1	227.4
107.5°	271.3	272.3	273.4	274.5	275.4	276.4	277.4	278.3	279.3	279.9	280.5
110°	309.7	310.8	311.8	312.8	313.7	314.2	314.9	315.6	316.1	316.8	317.4





TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	348.4	348.8	349.4	350.0	350.6	351.5	352.2	353.0	353.8	354.1	354.4
115°	406.4	407.3	408.1	408.9	409.5	409.9	410.4	410.8	411.2	411.0	410.8
117.5°	463.9	464.3	464.7	465.1	465.4	465.8	466.2	466.6	466.9	467.1	467.2
120°	500.7	501.7	502.8	503.9	504.4	504.6	504.9	505.1	505.3	505.3	505.3
122.5°	539.2	539.6	540.0	540.4	540.7	541.3	541.9	542.4	542.9	542.8	542.6
125°	593.1	594.4	595.7	596.9	597.7	597.9	598.0	598.2	598.5	598.0	597.7
127.5°	649.0	649.8	650.4	651.2	651.7	652.0	652.1	652.4	652.7	652.4	652.2
130°	683.2	684.3	685.3	686.4	687.1	687.6	688.0	688.3	688.8	688.6	688.3
132.5°	717.8	719.5	721.2	722.9	723.8	723.7	723.6	723.5	723.4	723.2	723.0
135°	771.0	772.2	773.5	774.8	775.5	775.7	775.9	776.1	776.3	776.3	776.3
137.5°	821.3	822.6	823.8	825.0	825.9	826.3	826.8	827.3	827.6	827.9	828.2
140°	853.6	854.6	855.6	856.7	857.5	858.2	858.8	859.4	860.1	860.4	860.9
142.5°	885.8	886.6	887.5	888.4	889.3	890.0	890.9	891.6	892.4	892.7	893.0
145°	933.4	934.2	935.0	935.9	936.6	937.3	937.8	938.5	939.1	939.1	939.1
147.5°	977.0	977.5	978.0	978.4	978.9	979.4	979.9	980.3	980.9	981.4	981.8
150°	1005.7	1005.5	1005.3	1005.1	1005.4	1006.3	1007.1	1007.9	1008.7	1008.7	1008.7
152.5°	1030.3	1030.6	1030.9	1031.1	1031.5	1031.8	1032.2	1032.5	1032.8	1033.3	1033.9
155°	1067.1	1067.1	1067.1	1067.1	1067.1	1067.4	1067.6	1067.8	1068.0	1068.8	1069.7
157.5°	1099.8	1099.3	1098.8	1098.3	1098.3	1098.4	1098.6	1098.9	1099.1	1099.9	1100.7
160°	1119.2	1118.5	1117.9	1117.3	1117.1	1117.3	1117.5	1117.7	1117.9	1118.7	1119.6
162.5°	1136.6	1136.1	1135.7	1135.3	1135.0	1135.1	1135.1	1135.2	1135.2	1136.2	1137.2
165°	1159.8	1159.4	1159.0	1158.6	1158.5	1158.7	1158.9	1159.0	1159.3	1160.2	1160.9
167.5°	1178.9	1178.2	1177.3	1176.5	1176.0	1176.0	1176.0	1176.0	1176.0	1177.3	1178.6
170°	1189.5	1188.6	1187.9	1187.0	1186.6	1186.6	1186.6	1186.6	1186.6	1187.9	1189.1
172.5°	1197.0	1196.2	1195.3	1194.6	1194.1	1194.1	1194.1	1194.1	1194.1	1195.3	1196.7
175°	1205.5	1204.7	1203.8	1203.0	1202.6	1202.6	1202.6	1202.6	1202.6	1203.8	1205.1
177.5°	1210.0	1209.4	1208.6	1208.0	1207.6	1207.4	1207.2	1207.1	1206.9	1208.0	1208.9
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	22.4	20.3	20.5	20.0	20.2	19.7	18.7
90°	18.2	19.2	20.1	20.7	21.3	22.0	22.6
92.5°	40.2	41.7	42.6	43.1	43.5	43.9	44.4
95°	76.8	78.3	79.3	79.6	80.1	80.5	81.0
97.5°	119.5	120.9	121.7	122.0	122.2	122.4	122.7
100°	149.6	151.5	152.7	153.1	153.4	153.9	154.3
102.5°	180.2	182.3	183.6	184.2	184.7	185.4	186.0
105°	228.7	229.9	230.8	231.5	232.1	232.7	233.4
107.5°	281.2	281.8	282.1	282.0	282.0	282.0	281.9
110°	318.0	318.7	318.9	318.7	318.5	318.3	318.0



TEST NUMBER: P333323-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	354.7	355.0	355.0	354.6	354.2	353.8	353.5
115°	410.6	410.4	410.2	409.9	409.7	409.5	409.3
117.5°	467.4	467.6	467.2	466.4	465.6	464.8	463.9
120°	505.3	505.3	504.9	504.1	503.2	502.4	501.5
122.5°	542.4	542.2	541.9	541.2	540.5	539.9	539.2
125°	597.2	596.8	596.4	596.3	596.1	595.9	595.7
127.5°	652.1	651.9	651.5	651.1	650.6	650.3	649.9
130°	688.2	688.0	687.7	687.2	686.8	686.4	686.0
132.5°	722.8	722.6	722.2	721.6	721.0	720.5	719.8
135°	776.3	776.3	775.9	775.1	774.2	773.4	772.5
137.5°	828.4	828.7	828.3	827.3	826.2	825.2	824.2
140°	861.3	861.8	861.4	860.4	859.3	858.3	857.2
142.5°	893.2	893.4	893.1	892.0	891.0	889.9	888.8
145°	939.1	939.1	938.8	938.2	937.5	936.9	936.3
147.5°	982.4	982.9	982.4	981.0	979.6	978.2	976.8
150°	1008.7	1008.7	1008.5	1008.1	1007.7	1007.3	1006.8
152.5°	1034.3	1034.8	1034.7	1034.0	1033.2	1032.5	1031.7
155°	1070.5	1071.4	1071.3	1070.3	1069.1	1068.1	1067.1
157.5°	1101.5	1102.4	1102.1	1100.8	1099.4	1098.0	1096.6
160°	1120.4	1121.2	1121.2	1120.1	1119.1	1118.0	1116.9
162.5°	1138.2	1139.3	1139.2	1137.9	1136.7	1135.5	1134.3
165°	1161.8	1162.6	1162.4	1161.2	1159.9	1158.7	1157.4
167.5°	1179.8	1181.1	1181.0	1179.8	1178.5	1177.1	1175.8
170°	1190.3	1191.6	1191.5	1190.1	1188.5	1187.1	1185.6
172.5°	1197.9	1199.1	1199.1	1197.8	1196.6	1195.2	1193.9
175°	1206.4	1207.6	1207.5	1206.1	1204.6	1203.1	1201.6
177.5°	1209.9	1210.9	1210.9	1209.7	1208.5	1207.3	1206.2
180°	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2	1209.2

(END OF REPORT)