

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: P333278-940

Luminaire Tested: **S125DIP-S1090D1035U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333278-940  
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-S1090D1035U940-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 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: 7195.9 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse

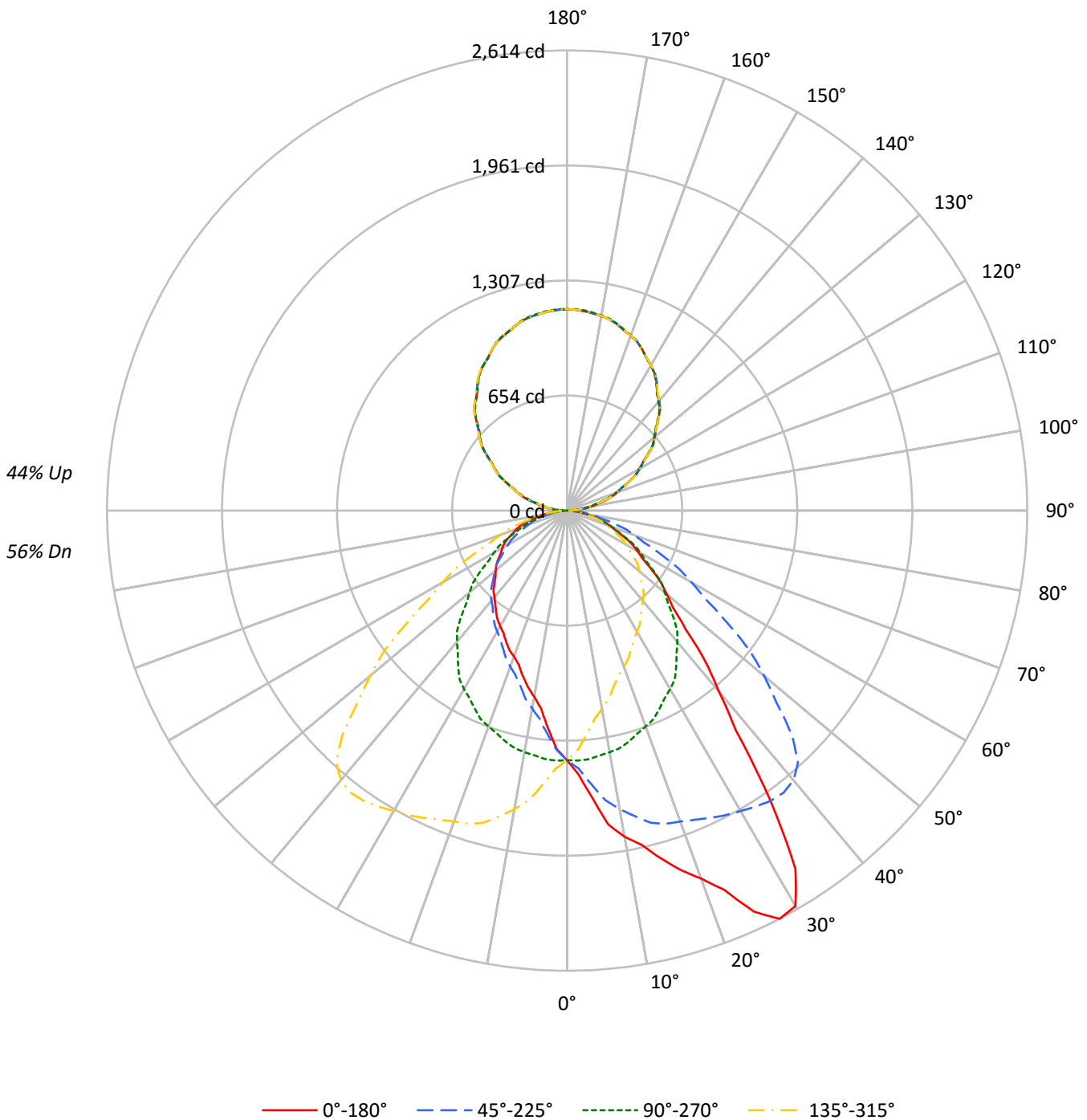
Input Watts (W): 60.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	55	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	69	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	39	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	32	28	25	23
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	26	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	9158	9158	9158	9158
5°	10605	9189	8045	9189
10°	12338	9141	7050	9141
15°	13658	9074	6503	9074
20°	15289	8968	6064	8968
25°	17910	8848	5850	8848
30°	19345	8730	5665	8730
35°	15906	8508	5542	8508
40°	11306	8200	5409	8200
45°	8685	7784	5332	7784
50°	7414	7268	5322	7268
55°	6600	6764	5368	6764
60°	5955	6212	5504	6212
65°	5500	5656	5647	5656
70°	5000	5080	5729	5080
75°	4414	4474	5677	4474
80°	3715	3649	5192	3649
85°	2942	2631	4187	2631



TEST NUMBER: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	1.9
10°-20°	406.4	5.6
20°-30°	660.0	9.2
30°-40°	805.0	11.2
40°-50°	732.3	10.2
50°-60°	583.3	8.1
60°-70°	406.3	5.6
70°-80°	216.7	3.0
80°-90°	57.2	0.8
90°-100°	76.6	1.1
100°-110°	226.3	3.1
110°-120°	383.2	5.3
120°-130°	504.3	7.0
130°-140°	565.1	7.9
140°-150°	553.9	7.7
150°-160°	465.2	6.5
160°-170°	309.2	4.3
170°-180°	108.2	1.5
0°-30°	1202.9	16.7
0°-40°	2008.0	27.9
0°-60°	3323.6	46.2
0°-90°	4003.8	55.6
90°-120°	686.1	9.5
90°-150°	2309.5	32.1
90°-180°	3192.0	44.4
0°-180°	7195.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1636	1417	1241	1417	1636	165
15°	2043	1357	973	1357	2043	585
25°	2513	1242	821	1242	2513	1148
35°	2017	1079	703	1079	2017	1235
45°	951	852	584	852	951	761
55°	586	601	477	601	586	528
65°	360	370	370	370	360	357
75°	177	179	228	179	177	191
85°	40	36	56	36	40	46
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1499.9	1497.9	1496.0	1492.1	1495.0	1486.8	1483.0	1476.2	1468.0	1465.2	1461.8
5°	1635.8	1638.9	1641.9	1629.2	1630.4	1622.0	1602.8	1587.1	1574.5	1558.2	1546.8
7.5°	1799.6	1792.4	1791.9	1783.7	1769.6	1758.3	1738.0	1712.3	1687.4	1658.9	1635.5
10°	1881.4	1882.0	1876.6	1867.0	1851.9	1841.1	1814.6	1789.3	1758.6	1722.5	1696.7
12.5°	1943.0	1945.5	1938.8	1925.7	1918.3	1894.1	1873.4	1843.3	1806.8	1777.9	1738.6
15°	2042.7	2036.1	2031.3	2015.0	2002.4	1977.1	1944.0	1912.7	1872.9	1836.3	1799.6
17.5°	2138.8	2144.0	2135.0	2120.2	2081.0	2051.5	2007.1	1964.3	1914.8	1865.5	1821.7
20°	2224.5	2229.3	2215.5	2189.6	2142.6	2113.2	2054.8	1999.4	1942.2	1879.0	1830.9
22.5°	2331.4	2327.5	2308.8	2269.5	2228.8	2174.3	2111.1	2043.7	1972.0	1900.7	1836.7
25°	2513.4	2488.1	2476.6	2428.0	2374.4	2294.3	2207.6	2108.9	2019.8	1925.4	1843.5
27.5°	2614.2	2606.3	2593.5	2559.6	2503.3	2417.7	2315.5	2195.2	2069.6	1950.3	1843.2
30°	2594.0	2595.2	2596.4	2585.6	2549.5	2485.1	2383.4	2254.0	2104.7	1970.5	1846.5
32.5°	2414.9	2436.8	2457.7	2482.5	2492.7	2480.3	2416.6	2299.7	2146.1	1993.6	1844.6
35°	2017.4	2024.1	2092.0	2159.5	2250.9	2322.0	2369.5	2317.7	2188.3	2013.2	1842.3
37.5°	1573.1	1605.5	1652.6	1728.8	1860.8	1979.1	2131.1	2201.0	2159.3	2019.6	1838.1
40°	1341.0	1371.0	1401.8	1479.3	1590.7	1733.9	1906.7	2054.1	2088.5	1999.4	1823.6
42.5°	1161.8	1185.7	1219.8	1278.1	1371.2	1498.1	1663.0	1855.7	1974.3	1940.6	1793.3
45°	950.9	966.0	992.5	1038.8	1106.3	1205.5	1351.2	1561.8	1745.4	1806.2	1721.4
47.5°	814.0	813.9	834.5	866.5	915.1	999.4	1107.1	1272.2	1468.3	1613.4	1606.6
50°	737.9	734.9	751.1	778.8	817.3	873.3	976.2	1108.0	1296.4	1460.7	1506.5
52.5°	672.4	672.8	682.8	703.2	735.5	783.3	860.1	979.0	1140.0	1308.6	1394.7
55°	586.2	583.8	595.2	609.1	632.6	663.9	719.3	810.1	940.7	1106.8	1218.8
57.5°	507.2	513.9	518.4	528.1	547.6	568.6	615.2	681.9	785.5	928.1	1046.4
60°	461.0	467.6	471.3	480.9	496.5	514.6	550.7	604.8	692.1	814.9	932.3
62.5°	419.6	424.8	426.0	434.6	447.5	465.0	493.4	539.0	607.9	715.2	830.2
65°	359.9	359.9	362.3	371.3	377.4	393.0	414.6	447.8	503.2	586.8	684.9
67.5°	302.4	305.2	304.7	308.6	314.1	326.4	341.9	369.2	410.2	471.3	549.7
70°	264.8	267.2	266.6	269.7	275.6	283.5	296.1	322.0	351.5	403.9	471.3
72.5°	231.1	232.1	230.5	234.5	238.1	245.0	259.0	272.9	300.4	344.6	400.0
75°	176.9	178.2	179.3	181.7	185.4	189.0	196.2	210.1	228.1	261.2	296.8
77.5°	132.7	130.4	133.2	132.9	134.9	137.7	144.1	151.4	166.2	187.2	214.6
80°	99.9	100.5	100.5	101.1	104.2	105.9	111.4	116.7	128.2	143.8	163.1
82.5°	72.9	74.5	73.6	74.6	77.1	78.5	81.5	86.0	92.6	104.9	118.8
85°	39.7	36.7	37.9	39.1	39.1	39.7	42.1	44.0	47.5	52.3	57.8
87.5°	15.9	16.7	17.0	16.9	17.3	17.1	18.8	18.6	19.9	21.1	22.8
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1458.9	1455.5	1451.7	1444.9	1436.7	1432.4	1425.7	1421.4	1412.6	1405.4	1397.8
5°	1532.9	1517.3	1502.9	1484.2	1463.7	1450.5	1434.9	1417.4	1399.4	1380.6	1360.2
7.5°	1609.6	1581.9	1551.8	1519.5	1487.8	1458.7	1430.8	1403.6	1378.0	1347.2	1321.1
10°	1661.2	1626.2	1588.9	1545.0	1502.3	1464.9	1427.0	1393.9	1360.2	1324.1	1292.2
12.5°	1712.6	1666.2	1613.5	1565.2	1513.8	1468.7	1424.2	1381.9	1339.5	1299.6	1262.3
15°	1749.0	1708.1	1659.3	1590.7	1532.9	1471.0	1411.9	1357.2	1306.0	1261.5	1214.6
17.5°	1773.0	1720.2	1667.9	1602.0	1526.3	1457.0	1390.2	1327.5	1269.8	1213.4	1168.1
20°	1777.3	1723.1	1668.4	1603.9	1526.3	1446.9	1380.1	1304.8	1242.9	1184.5	1129.1
22.5°	1775.8	1714.5	1654.8	1588.6	1512.9	1439.7	1358.9	1282.2	1215.0	1157.5	1099.7
25°	1762.3	1696.7	1622.0	1555.2	1480.6	1402.9	1321.1	1241.6	1173.0	1107.4	1050.3
27.5°	1751.0	1665.8	1581.4	1503.4	1431.4	1360.2	1281.8	1200.5	1124.4	1057.9	1004.1
30°	1737.0	1643.7	1548.5	1467.3	1393.3	1324.1	1250.1	1170.6	1091.2	1026.2	968.4
32.5°	1724.5	1615.8	1515.4	1426.9	1348.5	1281.2	1213.0	1137.4	1059.4	993.5	935.7
35°	1700.2	1574.5	1459.6	1359.6	1275.9	1206.8	1149.6	1079.1	1007.5	943.7	888.3
37.5°	1669.6	1520.3	1397.0	1292.2	1200.5	1127.6	1074.3	1020.3	951.5	890.0	840.0
40°	1645.5	1481.8	1351.2	1244.0	1149.0	1073.1	1023.8	972.6	915.4	858.3	805.3
42.5°	1615.2	1447.2	1304.9	1189.6	1095.5	1021.6	969.8	926.4	875.9	822.6	773.5
45°	1559.4	1384.3	1230.2	1106.3	1011.1	938.3	884.8	852.2	814.3	763.8	722.2
47.5°	1477.5	1308.8	1149.4	1021.5	923.4	855.9	805.7	774.5	747.8	710.2	672.5
50°	1404.7	1252.5	1091.2	964.2	866.1	798.1	751.7	723.4	700.5	671.6	639.8
52.5°	1323.4	1181.7	1033.8	908.3	811.2	744.1	698.7	673.9	654.8	634.1	602.7
55°	1194.1	1073.7	936.5	817.3	727.6	662.0	622.3	600.7	585.1	569.4	550.1
57.5°	1051.7	957.5	836.0	727.0	644.4	584.8	547.7	526.6	514.4	506.4	495.1
60°	951.5	870.9	766.2	666.8	586.2	533.2	497.1	480.9	470.6	464.0	455.6
62.5°	858.6	792.4	695.4	604.8	534.2	484.1	451.9	436.1	426.3	423.1	416.2
65°	721.7	670.5	590.4	515.2	455.0	412.2	385.2	370.1	364.1	360.5	361.1
67.5°	586.7	555.5	491.2	427.0	379.1	343.2	321.6	310.0	306.9	302.1	302.0
70°	504.4	480.9	426.7	370.8	328.0	300.3	281.1	269.0	266.0	263.6	263.1
72.5°	431.7	411.1	364.1	319.2	280.8	256.5	240.6	233.4	228.5	227.0	226.9
75°	324.4	313.0	275.6	240.1	213.7	196.8	186.0	179.3	175.8	175.1	175.8
77.5°	230.6	220.6	196.9	171.7	155.1	142.3	133.1	130.8	126.7	126.9	126.3
80°	173.3	166.7	151.7	131.8	118.0	107.1	102.3	98.1	96.9	95.1	96.9
82.5°	125.6	118.6	108.3	95.7	84.3	77.8	72.9	71.6	70.9	70.1	70.4
85°	62.0	62.6	56.5	46.9	42.1	38.5	35.5	35.5	34.9	34.3	34.9
87.5°	23.5	22.2	20.1	18.3	15.6	13.8	13.0	13.2	12.0	11.9	12.7
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1393.4	1388.1	1383.8	1374.1	1368.9	1361.6	1355.8	1362.1	1355.4	1358.3	1354.0
5°	1350.0	1333.1	1321.1	1303.6	1288.6	1274.7	1264.5	1262.7	1257.8	1255.4	1248.2
7.5°	1297.7	1276.7	1256.0	1233.1	1213.8	1194.2	1181.7	1171.4	1164.5	1155.5	1149.3
10°	1266.9	1238.6	1214.6	1186.9	1162.8	1141.7	1124.9	1116.4	1108.7	1097.2	1093.0
12.5°	1228.9	1199.6	1170.3	1140.7	1117.5	1094.0	1079.6	1066.8	1061.4	1048.6	1047.2
15°	1183.3	1139.3	1110.4	1080.3	1048.5	1029.2	1017.2	1003.3	997.3	988.3	981.6
17.5°	1128.8	1089.6	1053.5	1022.3	995.0	978.7	963.9	954.3	944.0	938.1	927.2
20°	1089.4	1052.0	1015.9	982.8	961.8	943.1	931.0	922.0	911.2	908.2	897.4
22.5°	1056.1	1014.9	980.3	952.5	929.5	908.5	895.5	889.3	881.8	872.5	870.4
25°	1002.1	959.4	929.9	902.2	881.7	862.5	853.5	845.6	838.4	831.8	829.4
27.5°	955.4	917.2	882.2	857.2	839.4	821.8	813.9	804.3	799.1	793.7	787.2
30°	922.7	883.5	852.8	828.8	809.5	793.9	785.4	778.8	774.0	769.2	765.5
32.5°	888.9	852.7	823.0	799.4	780.2	768.3	760.9	756.2	750.9	745.1	740.6
35°	844.5	804.7	775.8	755.4	740.3	731.3	722.8	718.6	712.6	712.6	707.8
37.5°	794.2	759.9	734.4	715.8	702.2	694.2	685.0	682.2	678.3	675.7	674.0
40°	764.4	732.5	708.4	689.7	675.3	668.7	661.5	656.7	654.2	651.2	650.0
42.5°	733.5	703.1	680.0	662.8	650.2	644.6	637.8	634.5	629.6	625.7	625.0
45°	686.7	657.2	636.1	622.3	611.4	604.8	600.7	593.4	591.0	586.2	585.6
47.5°	642.3	614.0	593.3	582.0	572.5	567.0	560.4	553.2	550.5	548.0	547.8
50°	609.1	583.2	563.9	553.1	544.1	536.3	529.7	524.9	523.0	523.0	524.2
52.5°	575.4	553.3	537.0	523.7	515.2	506.8	500.8	497.8	495.1	498.0	500.2
55°	526.0	503.7	491.7	479.1	470.6	461.0	458.0	456.8	455.0	459.9	462.3
57.5°	473.8	458.2	444.1	431.5	423.9	418.4	414.3	413.6	417.0	419.3	427.0
60°	440.6	422.5	409.8	400.2	391.2	387.6	386.4	385.2	387.6	394.2	404.5
62.5°	403.9	389.3	375.7	368.5	361.9	355.8	355.6	356.3	361.1	368.7	378.9
65°	350.3	337.6	328.6	320.2	314.8	311.1	312.4	314.8	320.2	330.4	341.9
67.5°	295.8	287.1	279.0	272.2	267.0	267.0	268.2	271.8	278.2	290.0	300.4
70°	260.6	251.0	244.3	241.4	237.1	234.7	238.4	244.3	249.8	260.6	269.7
72.5°	225.4	217.3	212.1	210.1	208.2	206.3	207.5	214.0	221.3	232.2	242.6
75°	173.3	170.3	166.7	164.3	162.5	163.7	164.9	170.9	176.9	188.4	200.5
77.5°	126.5	123.4	121.2	120.6	119.7	120.3	123.6	128.0	133.9	142.3	151.4
80°	95.7	94.5	93.3	92.6	92.6	93.3	98.1	101.1	106.6	114.3	121.5
82.5°	69.7	68.9	68.8	68.6	69.1	69.2	72.1	76.1	80.5	86.4	92.6
85°	36.7	35.5	37.3	37.9	36.7	38.5	39.7	42.1	44.0	46.9	49.9
87.5°	13.5	14.7	14.5	15.3	15.6	16.9	16.5	18.6	19.8	21.0	20.7
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1351.0	1354.4	1351.6	1355.4	1351.6	1354.4	1351.0	1354.0	1358.3	1355.4	1362.1
5°	1245.3	1239.8	1243.4	1241.0	1243.4	1239.8	1245.3	1248.2	1255.4	1257.8	1262.7
7.5°	1147.5	1142.4	1136.4	1133.6	1136.4	1142.4	1147.5	1149.3	1155.5	1164.5	1171.4
10°	1086.4	1079.8	1079.1	1075.0	1079.1	1079.8	1086.4	1093.0	1097.2	1108.7	1116.4
12.5°	1041.6	1035.5	1028.6	1026.8	1028.6	1035.5	1041.6	1047.2	1048.6	1061.4	1066.8
15°	978.0	973.2	969.0	972.6	969.0	973.2	978.0	981.6	988.3	997.3	1003.3
17.5°	925.1	921.2	920.5	916.1	920.5	921.2	925.1	927.2	938.1	944.0	954.3
20°	892.0	888.9	890.2	882.3	890.2	888.9	892.0	897.4	908.2	911.2	922.0
22.5°	865.5	859.6	858.9	857.3	858.9	859.6	865.5	870.4	872.5	881.8	889.3
25°	823.9	820.9	818.0	820.9	818.0	820.9	823.9	829.4	831.8	838.4	845.6
27.5°	787.7	784.1	783.3	783.6	783.3	784.1	787.7	787.2	793.7	799.1	804.3
30°	765.5	759.6	760.2	759.6	760.2	759.6	765.5	765.5	769.2	774.0	778.8
32.5°	741.5	737.4	736.6	735.5	736.6	737.4	741.5	740.6	745.1	750.9	756.2
35°	706.0	706.0	702.9	702.9	702.9	706.0	706.0	707.8	712.6	712.6	718.6
37.5°	672.6	672.0	670.2	670.5	670.2	672.0	672.6	674.0	675.7	678.3	682.2
40°	647.6	647.0	645.2	641.6	645.2	647.0	647.6	650.0	651.2	654.2	656.7
42.5°	623.5	621.5	620.6	619.5	620.6	621.5	623.5	625.0	625.7	629.6	634.5
45°	585.6	585.6	584.4	583.8	584.4	585.6	585.6	585.6	586.2	591.0	593.4
47.5°	548.8	549.8	552.1	551.8	552.1	549.8	548.8	547.8	548.0	550.5	553.2
50°	526.6	527.3	529.1	529.7	529.1	527.3	526.6	524.2	523.0	523.0	524.9
52.5°	502.0	505.6	507.8	507.5	507.8	505.6	502.0	500.2	498.0	495.1	497.8
55°	467.6	471.9	476.1	476.7	476.1	471.9	467.6	462.3	459.9	455.0	456.8
57.5°	433.5	439.4	443.9	445.4	443.9	439.4	433.5	427.0	419.3	417.0	413.6
60°	410.5	418.3	423.7	426.1	423.7	418.3	410.5	404.5	394.2	387.6	385.2
62.5°	388.3	397.1	402.5	403.0	402.5	397.1	388.3	378.9	368.7	361.1	356.3
65°	352.0	361.1	366.0	369.5	366.0	361.1	352.0	341.9	330.4	320.2	314.8
67.5°	313.1	322.1	327.4	330.3	327.4	322.1	313.1	300.4	290.0	278.2	271.8
70°	284.7	293.7	301.0	303.4	301.0	293.7	284.7	269.7	260.6	249.8	244.3
72.5°	256.7	264.8	270.6	273.5	270.6	264.8	256.7	242.6	232.2	221.3	214.0
75°	208.2	219.1	224.5	227.5	224.5	219.1	208.2	200.5	188.4	176.9	170.9
77.5°	160.6	170.4	173.7	175.2	173.7	170.4	160.6	151.4	142.3	133.9	128.0
80°	128.8	134.8	139.0	139.6	139.0	134.8	128.8	121.5	114.3	106.6	101.1
82.5°	99.0	104.0	105.3	106.9	105.3	104.0	99.0	92.6	86.4	80.5	76.1
85°	54.1	56.5	57.2	56.5	57.2	56.5	54.1	49.9	46.9	44.0	42.1
87.5°	21.8	21.4	21.5	22.6	21.5	21.4	21.8	20.7	21.0	19.8	18.6
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1355.8	1361.6	1368.9	1374.1	1383.8	1388.1	1393.4	1397.8	1405.4	1412.6	1421.4
5°	1264.5	1274.7	1288.6	1303.6	1321.1	1333.1	1350.0	1360.2	1380.6	1399.4	1417.4
7.5°	1181.7	1194.2	1213.8	1233.1	1256.0	1276.7	1297.7	1321.1	1347.2	1378.0	1403.6
10°	1124.9	1141.7	1162.8	1186.9	1214.6	1238.6	1266.9	1292.2	1324.1	1360.2	1393.9
12.5°	1079.6	1094.0	1117.5	1140.7	1170.3	1199.6	1228.9	1262.3	1299.6	1339.5	1381.9
15°	1017.2	1029.2	1048.5	1080.3	1110.4	1139.3	1183.3	1214.6	1261.5	1306.0	1357.2
17.5°	963.9	978.7	995.0	1022.3	1053.5	1089.6	1128.8	1168.1	1213.4	1269.8	1327.5
20°	931.0	943.1	961.8	982.8	1015.9	1052.0	1089.4	1129.1	1184.5	1242.9	1304.8
22.5°	895.5	908.5	929.5	952.5	980.3	1014.9	1056.1	1099.7	1157.5	1215.0	1282.2
25°	853.5	862.5	881.7	902.2	929.9	959.4	1002.1	1050.3	1107.4	1173.0	1241.6
27.5°	813.9	821.8	839.4	857.2	882.2	917.2	955.4	1004.1	1057.9	1124.4	1200.5
30°	785.4	793.9	809.5	828.8	852.8	883.5	922.7	968.4	1026.2	1091.2	1170.6
32.5°	760.9	768.3	780.2	799.4	823.0	852.7	888.9	935.7	993.5	1059.4	1137.4
35°	722.8	731.3	740.3	755.4	775.8	804.7	844.5	888.3	943.7	1007.5	1079.1
37.5°	685.0	694.2	702.2	715.8	734.4	759.9	794.2	840.0	890.0	951.5	1020.3
40°	661.5	668.7	675.3	689.7	708.4	732.5	764.4	805.3	858.3	915.4	972.6
42.5°	637.8	644.6	650.2	662.8	680.0	703.1	733.5	773.5	822.6	875.9	926.4
45°	600.7	604.8	611.4	622.3	636.1	657.2	686.7	722.2	763.8	814.3	852.2
47.5°	560.4	567.0	572.5	582.0	593.3	614.0	642.3	672.5	710.2	747.8	774.5
50°	529.7	536.3	544.1	553.1	563.9	583.2	609.1	639.8	671.6	700.5	723.4
52.5°	500.8	506.8	515.2	523.7	537.0	553.3	575.4	602.7	634.1	654.8	673.9
55°	458.0	461.0	470.6	479.1	491.7	503.7	526.0	550.1	569.4	585.1	600.7
57.5°	414.3	418.4	423.9	431.5	444.1	458.2	473.8	495.1	506.4	514.4	526.6
60°	386.4	387.6	391.2	400.2	409.8	422.5	440.6	455.6	464.0	470.6	480.9
62.5°	355.6	355.8	361.9	368.5	375.7	389.3	403.9	416.2	423.1	426.3	436.1
65°	312.4	311.1	314.8	320.2	328.6	337.6	350.3	361.1	360.5	364.1	370.1
67.5°	268.2	267.0	267.0	272.2	279.0	287.1	295.8	302.0	302.1	306.9	310.0
70°	238.4	234.7	237.1	241.4	244.3	251.0	260.6	263.1	263.6	266.0	269.0
72.5°	207.5	206.3	208.2	210.1	212.1	217.3	225.4	226.9	227.0	228.5	233.4
75°	164.9	163.7	162.5	164.3	166.7	170.3	173.3	175.8	175.1	175.8	179.3
77.5°	123.6	120.3	119.7	120.6	121.2	123.4	126.5	126.3	126.9	126.7	130.8
80°	98.1	93.3	92.6	92.6	93.3	94.5	95.7	96.9	95.1	96.9	98.1
82.5°	72.1	69.2	69.1	68.6	68.8	68.9	69.7	70.4	70.1	70.9	71.6
85°	39.7	38.5	36.7	37.9	37.3	35.5	36.7	34.9	34.3	34.9	35.5
87.5°	16.5	16.9	15.6	15.3	14.5	14.7	13.5	12.7	11.9	12.0	13.2
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1425.7	1432.4	1436.7	1444.9	1451.7	1455.5	1458.9	1461.8	1465.2	1468.0	1476.2
5°	1434.9	1450.5	1463.7	1484.2	1502.9	1517.3	1532.9	1546.8	1558.2	1574.5	1587.1
7.5°	1430.8	1458.7	1487.8	1519.5	1551.8	1581.9	1609.6	1635.5	1658.9	1687.4	1712.3
10°	1427.0	1464.9	1502.3	1545.0	1588.9	1626.2	1661.2	1696.7	1722.5	1758.6	1789.3
12.5°	1424.2	1468.7	1513.8	1565.2	1613.5	1666.2	1712.6	1738.6	1777.9	1806.8	1843.3
15°	1411.9	1471.0	1532.9	1590.7	1659.3	1708.1	1749.0	1799.6	1836.3	1872.9	1912.7
17.5°	1390.2	1457.0	1526.3	1602.0	1667.9	1720.2	1773.0	1821.7	1865.5	1914.8	1964.3
20°	1380.1	1446.9	1526.3	1603.9	1668.4	1723.1	1777.3	1830.9	1879.0	1942.2	1999.4
22.5°	1358.9	1439.7	1512.9	1588.6	1654.8	1714.5	1775.8	1836.7	1900.7	1972.0	2043.7
25°	1321.1	1402.9	1480.6	1555.2	1622.0	1696.7	1762.3	1843.5	1925.4	2019.8	2108.9
27.5°	1281.8	1360.2	1431.4	1503.4	1581.4	1665.8	1751.0	1843.2	1950.3	2069.6	2195.2
30°	1250.1	1324.1	1393.3	1467.3	1548.5	1643.7	1737.0	1846.5	1970.5	2104.7	2254.0
32.5°	1213.0	1281.2	1348.5	1426.9	1515.4	1615.8	1724.5	1844.6	1993.6	2146.1	2299.7
35°	1149.6	1206.8	1275.9	1359.6	1459.6	1574.5	1700.2	1842.3	2013.2	2188.3	2317.7
37.5°	1074.3	1127.6	1200.5	1292.2	1397.0	1520.3	1669.6	1838.1	2019.6	2159.3	2201.0
40°	1023.8	1073.1	1149.0	1244.0	1351.2	1481.8	1645.5	1823.6	1999.4	2088.5	2054.1
42.5°	969.8	1021.6	1095.5	1189.6	1304.9	1447.2	1615.2	1793.3	1940.6	1974.3	1855.7
45°	884.8	938.3	1011.1	1106.3	1230.2	1384.3	1559.4	1721.4	1806.2	1745.4	1561.8
47.5°	805.7	855.9	923.4	1021.5	1149.4	1308.8	1477.5	1606.6	1613.4	1468.3	1272.2
50°	751.7	798.1	866.1	964.2	1091.2	1252.5	1404.7	1506.5	1460.7	1296.4	1108.0
52.5°	698.7	744.1	811.2	908.3	1033.8	1181.7	1323.4	1394.7	1308.6	1140.0	979.0
55°	622.3	662.0	727.6	817.3	936.5	1073.7	1194.1	1218.8	1106.8	940.7	810.1
57.5°	547.7	584.8	644.4	727.0	836.0	957.5	1051.7	1046.4	928.1	785.5	681.9
60°	497.1	533.2	586.2	666.8	766.2	870.9	951.5	932.3	814.9	692.1	604.8
62.5°	451.9	484.1	534.2	604.8	695.4	792.4	858.6	830.2	715.2	607.9	539.0
65°	385.2	412.2	455.0	515.2	590.4	670.5	721.7	684.9	586.8	503.2	447.8
67.5°	321.6	343.2	379.1	427.0	491.2	555.5	586.7	549.7	471.3	410.2	369.2
70°	281.1	300.3	328.0	370.8	426.7	480.9	504.4	471.3	403.9	351.5	322.0
72.5°	240.6	256.5	280.8	319.2	364.1	411.1	431.7	400.0	344.6	300.4	272.9
75°	186.0	196.8	213.7	240.1	275.6	313.0	324.4	296.8	261.2	228.1	210.1
77.5°	133.1	142.3	155.1	171.7	196.9	220.6	230.6	214.6	187.2	166.2	151.4
80°	102.3	107.1	118.0	131.8	151.7	166.7	173.3	163.1	143.8	128.2	116.7
82.5°	72.9	77.8	84.3	95.7	108.3	118.6	125.6	118.8	104.9	92.6	86.0
85°	35.5	38.5	42.1	46.9	56.5	62.6	62.0	57.8	52.3	47.5	44.0
87.5°	13.0	13.8	15.6	18.3	20.1	22.2	23.5	22.8	21.1	19.9	18.6
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1483.0	1486.8	1495.0	1492.1	1496.0	1497.9	1499.9
5°	1602.8	1622.0	1630.4	1629.2	1641.9	1638.9	1635.8
7.5°	1738.0	1758.3	1769.6	1783.7	1791.9	1792.4	1799.6
10°	1814.6	1841.1	1851.9	1867.0	1876.6	1882.0	1881.4
12.5°	1873.4	1894.1	1918.3	1925.7	1938.8	1945.5	1943.0
15°	1944.0	1977.1	2002.4	2015.0	2031.3	2036.1	2042.7
17.5°	2007.1	2051.5	2081.0	2120.2	2135.0	2144.0	2138.8
20°	2054.8	2113.2	2142.6	2189.6	2215.5	2229.3	2224.5
22.5°	2111.1	2174.3	2228.8	2269.5	2308.8	2327.5	2331.4
25°	2207.6	2294.3	2374.4	2428.0	2476.6	2488.1	2513.4
27.5°	2315.5	2417.7	2503.3	2559.6	2593.5	2606.3	2614.2
30°	2383.4	2485.1	2549.5	2585.6	2596.4	2595.2	2594.0
32.5°	2416.6	2480.3	2492.7	2482.5	2457.7	2436.8	2414.9
35°	2369.5	2322.0	2250.9	2159.5	2092.0	2024.1	2017.4
37.5°	2131.1	1979.1	1860.8	1728.8	1652.6	1605.5	1573.1
40°	1906.7	1733.9	1590.7	1479.3	1401.8	1371.0	1341.0
42.5°	1663.0	1498.1	1371.2	1278.1	1219.8	1185.7	1161.8
45°	1351.2	1205.5	1106.3	1038.8	992.5	966.0	950.9
47.5°	1107.1	999.4	915.1	866.5	834.5	813.9	814.0
50°	976.2	873.3	817.3	778.8	751.1	734.9	737.9
52.5°	860.1	783.3	735.5	703.2	682.8	672.8	672.4
55°	719.3	663.9	632.6	609.1	595.2	583.8	586.2
57.5°	615.2	568.6	547.6	528.1	518.4	513.9	507.2
60°	550.7	514.6	496.5	480.9	471.3	467.6	461.0
62.5°	493.4	465.0	447.5	434.6	426.0	424.8	419.6
65°	414.6	393.0	377.4	371.3	362.3	359.9	359.9
67.5°	341.9	326.4	314.1	308.6	304.7	305.2	302.4
70°	296.1	283.5	275.6	269.7	266.6	267.2	264.8
72.5°	259.0	245.0	238.1	234.5	230.5	232.1	231.1
75°	196.2	189.0	185.4	181.7	179.3	178.2	176.9
77.5°	144.1	137.7	134.9	132.9	133.2	130.4	132.7
80°	111.4	105.9	104.2	101.1	100.5	100.5	99.9
82.5°	81.5	78.5	77.1	74.6	73.6	74.5	72.9
85°	42.1	39.7	39.1	39.1	37.9	36.7	39.7
87.5°	18.8	17.1	17.3	16.9	17.0	16.7	15.9
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: P333278-940

CATALOG NUMBER: S125DIP-S1090D1035U940-4F0-1E-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)