

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: P333215-935

Luminaire Tested: **S125DIP-S850D590U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333215-935  
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-S850D590U935-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4734.9 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct

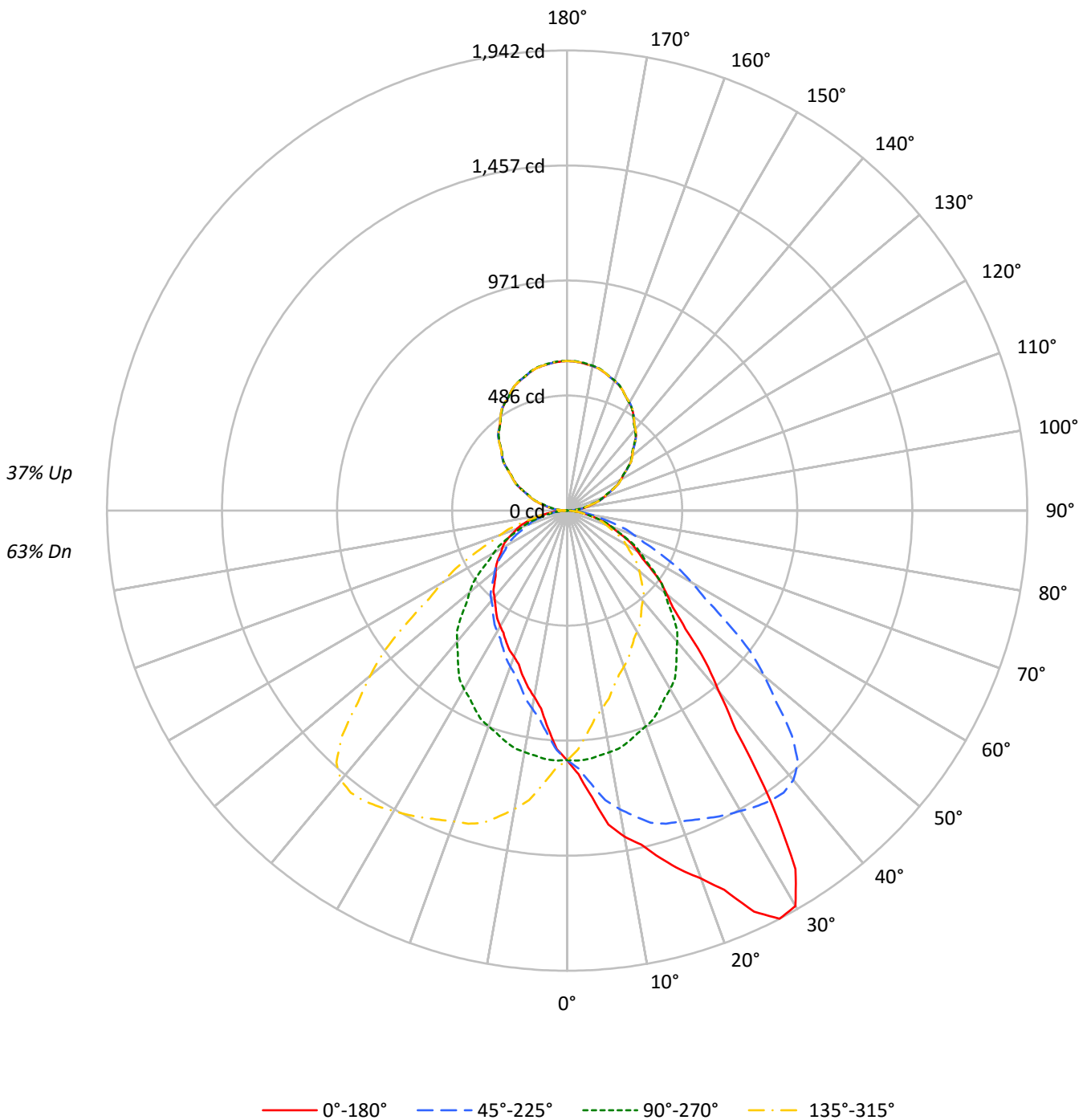
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	60	59	58	53
2	92	85	79	73	86	80	74	70	70	66	63	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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

	0°	90°	180°	270°
0°	6803	6803	6803	6803
5°	7878	6825	5977	6825
10°	9165	6790	5237	6790
15°	10146	6740	4831	6740
20°	11357	6661	4504	6661
25°	13304	6572	4345	6572
30°	14370	6485	4207	6485
35°	11815	6320	4117	6320
40°	8398	6091	4018	6091
45°	6452	5782	3961	5782
50°	5507	5399	3953	5399
55°	4904	5024	3987	5024
60°	4423	4614	4088	4614
65°	4085	4201	4195	4201
70°	3714	3773	4254	3773
75°	3281	3324	4217	3324
80°	2760	2708	3861	2708
85°	2186	1949	3112	1949



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	2.1
10°-20°	301.9	6.4
20°-30°	490.2	10.4
30°-40°	598.0	12.6
40°-50°	544.0	11.5
50°-60°	433.3	9.2
60°-70°	301.8	6.4
70°-80°	160.9	3.4
80°-90°	42.0	0.9
90°-100°	42.3	0.9
100°-110°	124.8	2.6
110°-120°	211.4	4.5
120°-130°	278.3	5.9
130°-140°	311.8	6.6
140°-150°	305.6	6.5
150°-160°	256.7	5.4
160°-170°	170.6	3.6
170°-180°	59.7	1.3
0°-30°	893.6	18.9
0°-40°	1491.6	31.5
0°-60°	2468.9	52.1
0°-90°	2973.7	62.8
90°-120°	378.5	8.0
90°-150°	1274.2	26.9
90°-180°	1761.0	37.2
0°-180°	4734.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1053	1053	1053	1053	1053	
5°	1215	1053	922	1053	1215	122
15°	1517	1008	722	1008	1517	434
25°	1867	922	610	922	1867	853
35°	1499	802	522	802	1499	917
45°	706	633	434	633	706	565
55°	436	446	354	446	436	392
65°	267	275	274	275	267	265
75°	132	133	169	133	132	142
85°	30	26	42	26	30	34
90°	12	0	12	0	12	8
95°	42	32	42	32	42	43
105°	122	112	122	112	122	129
115°	214	212	214	212	214	211
125°	311	309	311	309	311	278
135°	403	402	403	402	403	311
145°	489	487	489	487	489	305
155°	557	557	557	557	557	256
165°	604	606	604	606	604	170
175°	627	630	627	630	627	60
180°	631	631	631	631	631	



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1114.1	1112.7	1111.3	1108.4	1110.5	1104.5	1101.6	1096.6	1090.5	1088.4	1085.9
5°	1215.1	1217.4	1219.6	1210.2	1211.2	1204.9	1190.6	1179.0	1169.6	1157.5	1149.0
7.5°	1336.8	1331.5	1331.0	1325.0	1314.5	1306.1	1291.1	1272.0	1253.4	1232.3	1214.9
10°	1397.6	1398.0	1394.0	1386.8	1375.7	1367.6	1348.0	1329.1	1306.4	1279.5	1260.3
12.5°	1443.4	1445.2	1440.1	1430.5	1425.0	1407.0	1391.5	1369.2	1342.1	1320.7	1291.4
15°	1517.4	1512.4	1508.9	1496.8	1487.5	1468.7	1444.1	1420.8	1391.3	1364.0	1336.8
17.5°	1588.7	1592.7	1586.0	1574.9	1545.8	1523.9	1490.9	1459.1	1422.4	1385.8	1353.2
20°	1652.4	1656.0	1645.7	1626.5	1591.6	1569.7	1526.3	1485.2	1442.7	1395.8	1360.0
22.5°	1731.8	1729.0	1715.1	1685.8	1655.6	1615.1	1568.1	1518.1	1464.9	1411.9	1364.3
25°	1867.0	1848.2	1839.7	1803.5	1763.8	1704.3	1639.9	1566.6	1500.4	1430.2	1369.4
27.5°	1941.9	1936.0	1926.6	1901.3	1859.5	1796.0	1720.0	1630.6	1537.3	1448.7	1369.2
30°	1926.9	1927.8	1928.7	1920.6	1893.9	1846.0	1770.5	1674.3	1563.4	1463.7	1371.7
32.5°	1793.9	1810.2	1825.7	1844.1	1851.6	1842.5	1795.1	1708.3	1594.2	1480.9	1370.2
35°	1498.6	1503.6	1554.0	1604.1	1672.1	1724.8	1760.1	1721.7	1625.6	1495.5	1368.5
37.5°	1168.5	1192.7	1227.6	1284.2	1382.2	1470.1	1583.0	1635.0	1604.0	1500.2	1365.4
40°	996.1	1018.5	1041.2	1098.9	1181.6	1288.1	1416.3	1525.9	1551.3	1485.2	1354.6
42.5°	863.1	880.7	906.0	949.4	1018.6	1112.8	1235.4	1378.5	1466.6	1441.6	1332.1
45°	706.4	717.6	737.3	771.6	821.7	895.5	1003.7	1160.2	1296.5	1341.7	1278.7
47.5°	604.6	604.5	619.8	643.6	679.8	742.4	822.4	945.0	1090.7	1198.4	1193.4
50°	548.1	545.9	557.9	578.5	607.1	648.7	725.1	823.0	963.0	1085.0	1119.0
52.5°	499.5	499.7	507.1	522.4	546.3	581.9	638.9	727.2	846.8	972.1	1036.0
55°	435.5	433.7	442.1	452.5	469.8	493.1	534.3	601.8	698.8	822.2	905.3
57.5°	376.8	381.7	385.1	392.3	406.7	422.3	457.0	506.5	583.5	689.4	777.3
60°	342.4	347.4	350.1	357.2	368.9	382.3	409.1	449.4	514.1	605.4	692.5
62.5°	311.7	315.6	316.4	322.9	332.3	345.4	366.5	400.3	451.5	531.3	616.7
65°	267.3	267.3	269.1	275.9	280.3	292.0	308.1	332.6	373.8	435.9	508.8
67.5°	224.6	226.8	226.3	229.3	233.4	242.4	253.9	274.2	304.7	350.1	408.4
70°	196.7	198.5	198.0	200.3	204.7	210.6	220.0	239.2	261.1	300.0	350.1
72.5°	171.7	172.4	171.3	174.2	176.8	181.9	192.4	202.7	223.2	256.0	297.1
75°	131.5	132.3	133.2	135.0	137.7	140.3	145.8	156.0	169.4	194.1	220.4
77.5°	98.5	96.9	99.0	98.8	100.2	102.3	107.0	112.4	123.5	139.1	159.5
80°	74.2	74.6	74.6	75.1	77.3	78.7	82.7	86.7	95.2	106.9	121.1
82.5°	54.2	55.4	54.7	55.4	57.3	58.3	60.5	63.8	68.8	77.9	88.3
85°	29.5	27.3	28.2	29.1	29.1	29.5	31.3	32.6	35.3	38.9	42.9
87.5°	10.9	11.6	11.9	11.8	12.1	12.1	13.3	13.3	14.2	15.2	16.4
90°	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0	8.4	7.8	7.1
92.5°	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3	19.5	18.9	17.9
95°	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3	38.6	37.8	36.8
97.5°	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6	61.0	60.2	58.7
100°	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1	76.1	75.2	73.7
102.5°	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0	92.0	90.8	90.1
105°	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7	118.0	117.4	116.8
107.5°	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5	146.1	145.8	145.3
110°	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7	165.4	165.1	164.7



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0	184.9	184.7	184.3
115°	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4	214.6	214.6	214.4
117.5°	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9	243.8	243.7	243.5
120°	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3	283.4	283.4	283.1
125°	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9	312.2	312.4	312.3
127.5°	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4	340.6	340.7	340.5
130°	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3	359.5	359.6	359.3
132.5°	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4	377.5	377.6	377.6
135°	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2	405.2	405.2	405.1
137.5°	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3	432.1	432.0	431.8
140°	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4	449.2	448.9	448.6
142.5°	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1	466.0	465.8	465.5
145°	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2	490.2	490.2	489.9
147.5°	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6	512.3	512.0	511.8
150°	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5	526.5	526.5	526.1
152.5°	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7	539.4	539.2	538.9
155°	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4	557.9	557.5	557.4
157.5°	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5	574.1	573.7	573.6
160°	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4	583.9	583.5	583.4
162.5°	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6	593.1	592.5	592.5
165°	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0	605.5	605.1	605.0
167.5°	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2	614.5	613.9	613.9
170°	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7	620.0	619.4	619.4
172.5°	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7	624.0	623.3	623.3
175°	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0	628.4	627.8	627.8
177.5°	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0	630.5	630.0	630.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1083.7	1081.2	1078.3	1073.3	1067.3	1064.0	1059.0	1055.8	1049.4	1044.0	1038.3
5°	1138.7	1127.0	1116.4	1102.5	1087.3	1077.5	1065.8	1052.8	1039.5	1025.6	1010.4
7.5°	1195.7	1175.1	1152.7	1128.7	1105.2	1083.6	1062.9	1042.6	1023.6	1000.7	981.4
10°	1233.9	1208.0	1180.3	1147.6	1115.9	1088.2	1060.1	1035.4	1010.4	983.6	959.8
12.5°	1272.2	1237.7	1198.5	1162.7	1124.5	1091.1	1057.9	1026.5	995.1	965.4	937.7
15°	1299.2	1268.8	1232.6	1181.6	1138.7	1092.7	1048.9	1008.1	970.2	937.1	902.2
17.5°	1317.0	1277.8	1239.0	1190.1	1133.8	1082.3	1032.7	986.1	943.2	901.3	867.7
20°	1320.3	1280.0	1239.3	1191.5	1133.8	1074.8	1025.2	969.2	923.3	879.9	838.7
22.5°	1319.1	1273.6	1229.2	1180.0	1123.8	1069.4	1009.4	952.4	902.5	859.8	816.9
25°	1309.1	1260.3	1204.9	1155.3	1099.8	1042.2	981.4	922.3	871.3	822.6	780.2
27.5°	1300.6	1237.4	1174.7	1116.8	1063.2	1010.4	952.2	891.7	835.3	785.8	745.8
30°	1290.3	1221.0	1150.3	1089.9	1035.0	983.6	928.6	869.6	810.5	762.2	719.4
32.5°	1281.0	1200.2	1125.7	1060.0	1001.7	951.7	901.0	844.9	787.0	738.0	695.0
35°	1263.0	1169.6	1084.2	1010.0	947.8	896.4	853.9	801.6	748.4	701.0	659.9
37.5°	1240.2	1129.3	1037.7	959.8	891.7	837.6	798.1	757.9	706.8	661.2	624.0
40°	1222.3	1100.7	1003.7	924.1	853.5	797.1	760.5	722.5	680.0	637.6	598.2
42.5°	1199.8	1075.0	969.4	883.7	813.7	758.9	720.4	688.1	650.7	611.1	574.5
45°	1158.4	1028.3	913.9	821.7	751.1	697.0	657.2	633.1	604.9	567.3	536.5
47.5°	1097.5	972.2	853.9	758.8	685.9	635.8	598.5	575.3	555.4	527.5	499.6
50°	1043.4	930.4	810.5	716.2	643.3	592.8	558.4	537.4	520.4	498.9	475.3
52.5°	983.0	877.8	768.0	674.8	602.6	552.8	519.1	500.6	486.5	471.1	447.7
55°	887.0	797.6	695.7	607.1	540.5	491.8	462.3	446.2	434.5	422.9	408.6
57.5°	781.2	711.3	621.0	540.1	478.7	434.4	406.8	391.2	382.2	376.2	367.7
60°	706.8	647.0	569.1	495.3	435.5	396.1	369.3	357.2	349.7	344.7	338.5
62.5°	637.8	588.7	516.5	449.2	396.8	359.6	335.7	324.0	316.7	314.3	309.1
65°	536.1	498.1	438.6	382.7	338.0	306.3	286.1	274.9	270.4	267.8	268.3
67.5°	435.8	412.7	364.9	317.3	281.5	254.9	238.8	230.2	228.0	224.5	224.4
70°	374.6	357.2	317.0	275.4	243.7	223.1	208.8	199.8	197.6	195.8	195.4
72.5°	320.6	305.4	270.4	237.1	208.6	190.5	178.7	173.4	169.7	168.7	168.6
75°	241.0	232.5	204.7	178.4	158.7	146.2	138.2	133.2	130.5	130.1	130.5
77.5°	171.3	163.9	146.3	127.6	115.2	105.7	98.9	97.2	94.2	94.3	93.8
80°	128.7	123.8	112.7	97.9	87.6	79.6	76.0	72.8	72.0	70.6	72.0
82.5°	93.3	88.1	80.5	71.1	62.6	57.8	54.2	53.2	52.7	52.0	52.3
85°	46.1	46.5	42.0	34.9	31.3	28.6	26.3	26.3	25.9	25.5	25.9
87.5°	17.0	16.1	14.6	13.3	11.4	10.1	9.6	9.7	8.9	8.7	9.2
90°	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5	1.4	2.2	3.1
92.5°	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9	12.5	13.1	13.7
95°	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9	32.1	32.4	32.5
97.5°	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0	53.1	53.2	53.3
100°	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
102.5°	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7	86.1	86.5	87.0
105°	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0	112.5	113.0	113.7
107.5°	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0	141.6	142.2	142.7
110°	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1	161.6	162.2	162.7





TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5	181.8	182.1	182.4
115°	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7	212.2	212.6	213.0
117.5°	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9	242.1	242.4	242.5
120°	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8	261.4	261.9	262.4
122.5°	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3	281.5	281.6	281.8
125°	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9	309.6	310.2	310.9
127.5°	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5	338.8	339.1	339.5
130°	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1	356.6	357.2	357.7
132.5°	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8	374.7	375.6	376.4
135°	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7	402.4	403.1	403.7
137.5°	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1	428.8	429.4	430.0
140°	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0	445.6	446.1	446.6
142.5°	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9	462.4	462.8	463.3
145°	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7	487.2	487.7	488.1
147.5°	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7	510.0	510.2	510.5
150°	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0	525.0	524.9	524.8
152.5°	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6	537.8	538.0	538.1
155°	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0	557.0	557.0	557.0
157.5°	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3	574.0	573.8	573.6
160°	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5	584.2	583.8	583.5
162.5°	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6	593.3	593.1	592.8
165°	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6	605.4	605.2	604.9
167.5°	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9	615.4	614.9	614.5
170°	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3	620.9	620.4	620.0
172.5°	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3	624.8	624.4	624.0
175°	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6	629.2	628.8	628.4
177.5°	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0	631.6	631.3	630.9
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1035.1	1031.1	1027.9	1020.8	1016.8	1011.5	1007.2	1011.8	1006.9	1009.0	1005.7
5°	1002.8	990.3	981.4	968.4	957.2	946.9	939.4	938.0	934.4	932.6	927.2
7.5°	964.0	948.3	933.0	916.0	901.6	887.1	877.8	870.1	865.0	858.3	853.8
10°	941.1	920.1	902.2	881.7	863.8	848.1	835.6	829.3	823.5	815.0	811.9
12.5°	912.8	891.1	869.3	847.3	830.2	812.7	801.9	792.5	788.5	778.9	777.9
15°	879.0	846.4	824.8	802.5	778.8	764.5	755.5	745.3	740.8	734.1	729.2
17.5°	838.5	809.4	782.6	759.4	739.1	727.0	715.9	708.9	701.2	696.8	688.8
20°	809.3	781.5	754.7	730.0	714.5	700.6	691.6	684.9	676.9	674.7	666.6
22.5°	784.5	754.0	728.2	707.6	690.4	674.9	665.1	660.6	655.0	648.2	646.5
25°	744.4	712.6	690.8	670.2	655.0	640.7	634.0	628.2	622.8	617.9	616.0
27.5°	709.7	681.3	655.3	636.7	623.5	610.4	604.5	597.4	593.6	589.6	584.8
30°	685.4	656.3	633.5	615.6	601.3	589.7	583.4	578.5	575.0	571.4	568.7
32.5°	660.3	633.4	611.3	593.8	579.5	570.8	565.2	561.7	557.8	553.5	550.1
35°	627.2	597.7	576.3	561.1	549.9	543.2	536.9	533.8	529.3	529.3	525.7
37.5°	590.0	564.5	545.5	531.7	521.7	515.7	508.9	506.7	503.9	502.0	500.8
40°	567.8	544.1	526.2	512.4	501.6	496.7	491.4	487.8	485.9	483.7	482.8
42.5°	544.9	522.3	505.1	492.3	483.0	478.8	473.8	471.3	467.7	464.8	464.3
45°	510.1	488.2	472.6	462.3	454.3	449.4	446.2	440.8	439.0	435.5	435.0
47.5°	477.1	456.1	440.7	432.3	425.2	421.2	416.3	411.0	408.9	407.1	406.9
50°	452.5	433.3	418.9	410.9	404.2	398.4	393.4	389.9	388.5	388.5	389.4
52.5°	427.4	411.0	398.9	389.1	382.7	376.5	372.0	369.8	367.7	369.9	371.5
55°	390.7	374.2	365.2	355.9	349.7	342.4	340.3	339.3	338.0	341.6	343.4
57.5°	352.0	340.4	329.8	320.6	315.0	310.8	307.8	307.2	309.7	311.4	317.3
60°	327.3	313.8	304.4	297.3	290.6	287.9	287.1	286.1	287.9	292.8	300.4
62.5°	300.1	289.2	279.1	273.7	268.8	264.3	264.2	264.7	268.3	273.9	281.5
65°	260.2	250.8	244.1	237.8	233.8	231.2	232.0	233.8	237.8	245.5	253.9
67.5°	219.7	213.3	207.2	202.2	198.3	198.3	199.2	201.9	206.6	215.4	223.2
70°	193.6	186.4	181.5	179.3	176.2	174.4	177.0	181.5	185.5	193.6	200.3
72.5°	167.5	161.4	157.6	156.0	154.7	153.3	154.1	158.9	164.5	172.5	180.3
75°	128.7	126.5	123.8	122.1	120.7	121.6	122.5	127.0	131.5	139.9	148.9
77.5°	93.9	91.6	90.1	89.6	88.9	89.3	91.9	95.1	99.5	105.7	112.4
80°	71.1	70.2	69.3	68.9	68.9	69.3	72.8	75.1	79.1	85.0	90.3
82.5°	51.7	51.2	51.1	51.0	51.3	51.4	53.6	56.5	59.8	64.2	68.9
85°	27.3	26.3	27.7	28.2	27.3	28.6	29.5	31.3	32.6	34.9	37.1
87.5°	9.7	10.6	10.4	10.9	11.1	12.0	11.7	13.3	14.0	14.9	14.6
90°	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.1	10.5
92.5°	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3	21.0	21.8	22.2
95°	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3	40.1	40.9	41.3
97.5°	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6	62.4	63.1	63.5
100°	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1	78.1	79.0	79.6
102.5°	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0	94.1	95.1	95.8
105°	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7	119.3	120.0	120.5
107.5°	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5	146.8	147.1	147.2
110°	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7	166.0	166.3	166.4



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0	185.1	185.3	185.3
115°	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4	214.3	214.2	214.1
117.5°	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9	244.0	244.1	243.9
120°	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7	263.7	263.7	263.6
122.5°	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3	283.2	283.1	282.8
125°	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9	311.8	311.5	311.3
127.5°	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4	340.4	340.3	340.1
130°	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3	359.2	359.1	359.0
132.5°	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4	377.3	377.2	376.9
135°	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2	405.2	405.2	405.0
137.5°	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3	432.4	432.6	432.4
140°	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4	449.6	449.8	449.6
142.5°	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1	466.2	466.3	466.1
145°	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2	490.2	490.2	490.0
147.5°	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6	512.8	513.1	512.8
150°	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5	526.5	526.5	526.4
152.5°	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7	539.9	540.2	540.1
155°	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4	558.8	559.2	559.2
157.5°	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5	575.0	575.4	575.3
160°	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4	584.8	585.2	585.2
162.5°	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6	594.1	594.7	594.6
165°	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0	606.4	606.9	606.7
167.5°	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2	615.9	616.5	616.5
170°	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7	621.3	622.0	621.9
172.5°	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7	625.3	625.9	625.9
175°	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0	629.6	630.3	630.3
177.5°	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0	631.5	632.1	632.1
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1003.6	1006.1	1003.9	1006.9	1003.9	1006.1	1003.6	1005.7	1009.0	1006.9	1011.8
5°	925.0	921.0	923.7	921.9	923.7	921.0	925.0	927.2	932.6	934.4	938.0
7.5°	852.4	848.5	844.2	842.1	844.2	848.5	852.4	853.8	858.3	865.0	870.1
10°	807.0	802.0	801.6	798.5	801.6	802.0	807.0	811.9	815.0	823.5	829.3
12.5°	773.7	769.1	764.1	762.8	764.1	769.1	773.7	777.9	778.9	788.5	792.5
15°	726.5	722.9	719.8	722.5	719.8	722.9	726.5	729.2	734.1	740.8	745.3
17.5°	687.3	684.3	683.7	680.4	683.7	684.3	687.3	688.8	696.8	701.2	708.9
20°	662.5	660.3	661.2	655.4	661.2	660.3	662.5	666.6	674.7	676.9	684.9
22.5°	642.9	638.5	638.0	636.8	638.0	638.5	642.9	646.5	648.2	655.0	660.6
25°	612.1	609.8	607.6	609.8	607.6	609.8	612.1	616.0	617.9	622.8	628.2
27.5°	585.1	582.5	581.9	582.1	581.9	582.5	585.1	584.8	589.6	593.6	597.4
30°	568.7	564.2	564.6	564.2	564.6	564.2	568.7	568.7	571.4	575.0	578.5
32.5°	550.8	547.8	547.2	546.3	547.2	547.8	550.8	550.1	553.5	557.8	561.7
35°	524.4	524.4	522.2	522.2	522.2	524.4	524.4	525.7	529.3	529.3	533.8
37.5°	499.6	499.2	497.8	498.1	497.8	499.2	499.6	500.8	502.0	503.9	506.7
40°	481.0	480.6	479.2	476.6	479.2	480.6	481.0	482.8	483.7	485.9	487.8
42.5°	463.1	461.7	461.1	460.1	461.1	461.7	463.1	464.3	464.8	467.7	471.3
45°	435.0	435.0	434.1	433.7	434.1	435.0	435.0	435.0	435.5	439.0	440.8
47.5°	407.7	408.5	410.2	409.9	410.2	408.5	407.7	406.9	407.1	408.9	411.0
50°	391.2	391.7	393.0	393.4	393.0	391.7	391.2	389.4	388.5	388.5	389.9
52.5°	373.0	375.6	377.2	376.9	377.2	375.6	373.0	371.5	369.9	367.7	369.8
55°	347.4	350.5	353.6	354.1	353.6	350.5	347.4	343.4	341.6	338.0	339.3
57.5°	322.1	326.5	329.8	330.8	329.8	326.5	322.1	317.3	311.4	309.7	307.2
60°	304.9	310.7	314.8	316.5	314.8	310.7	304.9	300.4	292.8	287.9	286.1
62.5°	288.4	295.0	299.0	299.4	299.0	295.0	288.4	281.5	273.9	268.3	264.7
65°	261.6	268.3	271.8	274.5	271.8	268.3	261.6	253.9	245.5	237.8	233.8
67.5°	232.6	239.3	243.2	245.4	243.2	239.3	232.6	223.2	215.4	206.6	201.9
70°	211.5	218.2	223.5	225.3	223.5	218.2	211.5	200.3	193.6	185.5	181.5
72.5°	190.7	196.7	201.0	203.1	201.0	196.7	190.7	180.3	172.5	164.5	158.9
75°	154.7	162.7	166.8	169.0	166.8	162.7	154.7	148.9	139.9	131.5	127.0
77.5°	119.2	126.7	129.1	130.2	129.1	126.7	119.2	112.4	105.7	99.5	95.1
80°	95.7	100.1	103.2	103.8	103.2	100.1	95.7	90.3	85.0	79.1	75.1
82.5°	73.5	77.2	78.3	79.4	78.3	77.2	73.5	68.9	64.2	59.8	56.5
85°	40.2	42.0	42.4	42.0	42.4	42.0	40.2	37.1	34.9	32.6	31.3
87.5°	15.4	15.1	15.2	15.9	15.2	15.1	15.4	14.6	14.9	14.0	13.3
90°	10.8	11.1	11.5	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0
92.5°	22.5	22.7	22.9	23.2	22.9	22.7	22.5	22.2	21.8	21.0	20.3
95°	41.6	41.8	42.0	42.3	42.0	41.8	41.6	41.3	40.9	40.1	39.3
97.5°	63.6	63.8	63.9	64.1	63.9	63.8	63.6	63.5	63.1	62.4	61.6
100°	79.9	80.2	80.3	80.6	80.3	80.2	79.9	79.6	79.0	78.1	77.1
102.5°	96.2	96.4	96.8	97.0	96.8	96.4	96.2	95.8	95.1	94.1	93.0
105°	120.8	121.1	121.5	121.8	121.5	121.1	120.8	120.5	120.0	119.3	118.7
107.5°	147.2	147.2	147.1	147.1	147.1	147.2	147.2	147.2	147.1	146.8	146.5
110°	166.3	166.3	166.1	166.0	166.1	166.3	166.3	166.4	166.3	166.0	165.7



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.1	184.9	184.7	184.5	184.7	184.9	185.1	185.3	185.3	185.1	185.0
115°	214.0	213.9	213.8	213.7	213.8	213.9	214.0	214.1	214.2	214.3	214.4
117.5°	243.5	243.1	242.6	242.1	242.6	243.1	243.5	243.9	244.1	244.0	243.9
120°	263.1	262.7	262.3	261.8	262.3	262.7	263.1	263.6	263.7	263.7	263.7
122.5°	282.5	282.1	281.8	281.5	281.8	282.1	282.5	282.8	283.1	283.2	283.3
125°	311.3	311.2	311.0	310.9	311.0	311.2	311.3	311.3	311.5	311.8	311.9
127.5°	339.8	339.7	339.4	339.2	339.4	339.7	339.8	340.1	340.3	340.4	340.4
130°	358.7	358.5	358.3	358.1	358.3	358.5	358.7	359.0	359.1	359.2	359.3
132.5°	376.7	376.3	376.1	375.7	376.1	376.3	376.7	376.9	377.2	377.3	377.4
135°	404.6	404.2	403.7	403.3	403.7	404.2	404.6	405.0	405.2	405.2	405.2
137.5°	431.8	431.3	430.8	430.2	430.8	431.3	431.8	432.4	432.6	432.4	432.3
140°	449.1	448.6	448.0	447.5	448.0	448.6	449.1	449.6	449.8	449.6	449.4
142.5°	465.6	465.0	464.5	464.0	464.5	465.0	465.6	466.1	466.3	466.2	466.1
145°	489.7	489.4	489.0	488.7	489.0	489.4	489.7	490.0	490.2	490.2	490.2
147.5°	512.0	511.3	510.6	509.9	510.6	511.3	512.0	512.8	513.1	512.8	512.6
150°	526.2	526.0	525.8	525.6	525.8	526.0	526.2	526.4	526.5	526.5	526.5
152.5°	539.7	539.3	538.9	538.6	538.9	539.3	539.7	540.1	540.2	539.9	539.7
155°	558.6	558.1	557.5	557.0	557.5	558.1	558.6	559.2	559.2	558.8	558.4
157.5°	574.5	573.9	573.2	572.4	573.2	573.9	574.5	575.3	575.4	575.0	574.5
160°	584.7	584.1	583.6	583.1	583.6	584.1	584.7	585.2	585.2	584.8	584.4
162.5°	594.0	593.3	592.7	592.0	592.7	593.3	594.0	594.6	594.7	594.1	593.6
165°	606.1	605.5	604.8	604.2	604.8	605.5	606.1	606.7	606.9	606.4	606.0
167.5°	615.8	615.1	614.4	613.8	614.4	615.1	615.8	616.5	616.5	615.9	615.2
170°	621.2	620.4	619.7	618.9	619.7	620.4	621.2	621.9	622.0	621.3	620.7
172.5°	625.3	624.6	623.9	623.2	623.9	624.6	625.3	625.9	625.9	625.3	624.7
175°	629.6	628.8	628.0	627.2	628.0	628.8	629.6	630.3	630.3	629.6	629.0
177.5°	631.5	630.9	630.2	629.6	630.2	630.9	631.5	632.1	632.1	631.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1007.2	1011.5	1016.8	1020.8	1027.9	1031.1	1035.1	1038.3	1044.0	1049.4	1055.8
5°	939.4	946.9	957.2	968.4	981.4	990.3	1002.8	1010.4	1025.6	1039.5	1052.8
7.5°	877.8	887.1	901.6	916.0	933.0	948.3	964.0	981.4	1000.7	1023.6	1042.6
10°	835.6	848.1	863.8	881.7	902.2	920.1	941.1	959.8	983.6	1010.4	1035.4
12.5°	801.9	812.7	830.2	847.3	869.3	891.1	912.8	937.7	965.4	995.1	1026.5
15°	755.5	764.5	778.8	802.5	824.8	846.4	879.0	902.2	937.1	970.2	1008.1
17.5°	715.9	727.0	739.1	759.4	782.6	809.4	838.5	867.7	901.3	943.2	986.1
20°	691.6	700.6	714.5	730.0	754.7	781.5	809.3	838.7	879.9	923.3	969.2
22.5°	665.1	674.9	690.4	707.6	728.2	754.0	784.5	816.9	859.8	902.5	952.4
25°	634.0	640.7	655.0	670.2	690.8	712.6	744.4	780.2	822.6	871.3	922.3
27.5°	604.5	610.4	623.5	636.7	655.3	681.3	709.7	745.8	785.8	835.3	891.7
30°	583.4	589.7	601.3	615.6	633.5	656.3	685.4	719.4	762.2	810.5	869.6
32.5°	565.2	570.8	579.5	593.8	611.3	633.4	660.3	695.0	738.0	787.0	844.9
35°	536.9	543.2	549.9	561.1	576.3	597.7	627.2	659.9	701.0	748.4	801.6
37.5°	508.9	515.7	521.7	531.7	545.5	564.5	590.0	624.0	661.2	706.8	757.9
40°	491.4	496.7	501.6	512.4	526.2	544.1	567.8	598.2	637.6	680.0	722.5
42.5°	473.8	478.8	483.0	492.3	505.1	522.3	544.9	574.5	611.1	650.7	688.1
45°	446.2	449.4	454.3	462.3	472.6	488.2	510.1	536.5	567.3	604.9	633.1
47.5°	416.3	421.2	425.2	432.3	440.7	456.1	477.1	499.6	527.5	555.4	575.3
50°	393.4	398.4	404.2	410.9	418.9	433.3	452.5	475.3	498.9	520.4	537.4
52.5°	372.0	376.5	382.7	389.1	398.9	411.0	427.4	447.7	471.1	486.5	500.6
55°	340.3	342.4	349.7	355.9	365.2	374.2	390.7	408.6	422.9	434.5	446.2
57.5°	307.8	310.8	315.0	320.6	329.8	340.4	352.0	367.7	376.2	382.2	391.2
60°	287.1	287.9	290.6	297.3	304.4	313.8	327.3	338.5	344.7	349.7	357.2
62.5°	264.2	264.3	268.8	273.7	279.1	289.2	300.1	309.1	314.3	316.7	324.0
65°	232.0	231.2	233.8	237.8	244.1	250.8	260.2	268.3	267.8	270.4	274.9
67.5°	199.2	198.3	198.3	202.2	207.2	213.3	219.7	224.4	224.5	228.0	230.2
70°	177.0	174.4	176.2	179.3	181.5	186.4	193.6	195.4	195.8	197.6	199.8
72.5°	154.1	153.3	154.7	156.0	157.6	161.4	167.5	168.6	168.7	169.7	173.4
75°	122.5	121.6	120.7	122.1	123.8	126.5	128.7	130.5	130.1	130.5	133.2
77.5°	91.9	89.3	88.9	89.6	90.1	91.6	93.9	93.8	94.3	94.2	97.2
80°	72.8	69.3	68.9	68.9	69.3	70.2	71.1	72.0	70.6	72.0	72.8
82.5°	53.6	51.4	51.3	51.0	51.1	51.2	51.7	52.3	52.0	52.7	53.2
85°	29.5	28.6	27.3	28.2	27.7	26.3	27.3	25.9	25.5	25.9	26.3
87.5°	11.7	12.0	11.1	10.9	10.4	10.6	9.7	9.2	8.7	8.9	9.7
90°	8.4	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5
92.5°	19.5	18.9	17.9	17.0	16.0	15.1	14.3	13.7	13.1	12.5	11.9
95°	38.6	37.8	36.8	35.6	34.5	33.5	32.8	32.5	32.4	32.1	31.9
97.5°	61.0	60.2	58.7	57.2	55.7	54.2	53.4	53.3	53.2	53.1	53.0
100°	76.1	75.2	73.7	72.3	70.9	69.5	68.8	68.8	68.8	68.8	68.8
102.5°	92.0	90.8	90.1	89.5	88.7	88.0	87.4	87.0	86.5	86.1	85.7
105°	118.0	117.4	116.8	116.1	115.5	114.8	114.2	113.7	113.0	112.5	112.0
107.5°	146.1	145.8	145.3	144.7	144.3	143.8	143.3	142.7	142.2	141.6	141.0
110°	165.4	165.1	164.7	164.4	164.0	163.8	163.3	162.7	162.2	161.6	161.1



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	184.9	184.7	184.3	183.8	183.5	183.0	182.7	182.4	182.1	181.8	181.5
115°	214.6	214.6	214.4	214.2	214.0	213.8	213.4	213.0	212.6	212.2	211.7
117.5°	243.8	243.7	243.5	243.3	243.1	243.0	242.7	242.5	242.4	242.1	241.9
120°	263.7	263.7	263.6	263.6	263.5	263.3	263.0	262.4	261.9	261.4	260.8
122.5°	283.4	283.4	283.1	282.8	282.6	282.2	282.1	281.8	281.6	281.5	281.3
125°	312.2	312.4	312.3	312.2	312.0	311.9	311.6	310.9	310.2	309.6	308.9
127.5°	340.6	340.7	340.5	340.4	340.3	340.2	339.9	339.5	339.1	338.8	338.5
130°	359.5	359.6	359.3	359.1	358.9	358.7	358.3	357.7	357.2	356.6	356.1
132.5°	377.5	377.6	377.6	377.7	377.7	377.8	377.4	376.4	375.6	374.7	373.8
135°	405.2	405.2	405.1	405.0	404.9	404.8	404.4	403.7	403.1	402.4	401.7
137.5°	432.1	432.0	431.8	431.5	431.4	431.1	430.7	430.0	429.4	428.8	428.1
140°	449.2	448.9	448.6	448.3	448.0	447.6	447.2	446.6	446.1	445.6	445.0
142.5°	466.0	465.8	465.5	465.0	464.6	464.2	463.7	463.3	462.8	462.4	461.9
145°	490.2	490.2	489.9	489.6	489.2	488.9	488.5	488.1	487.7	487.2	486.7
147.5°	512.3	512.0	511.8	511.5	511.2	510.9	510.7	510.5	510.2	510.0	509.7
150°	526.5	526.5	526.1	525.6	525.2	524.8	524.6	524.8	524.9	525.0	525.0
152.5°	539.4	539.2	538.9	538.7	538.6	538.4	538.2	538.1	538.0	537.8	537.6
155°	557.9	557.5	557.4	557.2	557.2	557.1	557.0	557.0	557.0	557.0	557.0
157.5°	574.1	573.7	573.6	573.5	573.3	573.3	573.3	573.6	573.8	574.0	574.3
160°	583.9	583.5	583.4	583.3	583.2	583.1	583.2	583.5	583.8	584.2	584.5
162.5°	593.1	592.5	592.5	592.5	592.5	592.5	592.5	592.8	593.1	593.3	593.6
165°	605.5	605.1	605.0	604.9	604.8	604.7	604.8	604.9	605.2	605.4	605.6
167.5°	614.5	613.9	613.9	613.9	613.9	613.9	614.1	614.5	614.9	615.4	615.9
170°	620.0	619.4	619.4	619.4	619.4	619.4	619.6	620.0	620.4	620.9	621.3
172.5°	624.0	623.3	623.3	623.3	623.3	623.3	623.5	624.0	624.4	624.8	625.3
175°	628.4	627.8	627.8	627.8	627.8	627.8	627.9	628.4	628.8	629.2	629.6
177.5°	630.5	630.0	630.1	630.2	630.3	630.3	630.5	630.9	631.3	631.6	632.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1059.0	1064.0	1067.3	1073.3	1078.3	1081.2	1083.7	1085.9	1088.4	1090.5	1096.6
5°	1065.8	1077.5	1087.3	1102.5	1116.4	1127.0	1138.7	1149.0	1157.5	1169.6	1179.0
7.5°	1062.9	1083.6	1105.2	1128.7	1152.7	1175.1	1195.7	1214.9	1232.3	1253.4	1272.0
10°	1060.1	1088.2	1115.9	1147.6	1180.3	1208.0	1233.9	1260.3	1279.5	1306.4	1329.1
12.5°	1057.9	1091.1	1124.5	1162.7	1198.5	1237.7	1272.2	1291.4	1320.7	1342.1	1369.2
15°	1048.9	1092.7	1138.7	1181.6	1232.6	1268.8	1299.2	1336.8	1364.0	1391.3	1420.8
17.5°	1032.7	1082.3	1133.8	1190.1	1239.0	1277.8	1317.0	1353.2	1385.8	1422.4	1459.1
20°	1025.2	1074.8	1133.8	1191.5	1239.3	1280.0	1320.3	1360.0	1395.8	1442.7	1485.2
22.5°	1009.4	1069.4	1123.8	1180.0	1229.2	1273.6	1319.1	1364.3	1411.9	1464.9	1518.1
25°	981.4	1042.2	1099.8	1155.3	1204.9	1260.3	1309.1	1369.4	1430.2	1500.4	1566.6
27.5°	952.2	1010.4	1063.2	1116.8	1174.7	1237.4	1300.6	1369.2	1448.7	1537.3	1630.6
30°	928.6	983.6	1035.0	1089.9	1150.3	1221.0	1290.3	1371.7	1463.7	1563.4	1674.3
32.5°	901.0	951.7	1001.7	1060.0	1125.7	1200.2	1281.0	1370.2	1480.9	1594.2	1708.3
35°	853.9	896.4	947.8	1010.0	1084.2	1169.6	1263.0	1368.5	1495.5	1625.6	1721.7
37.5°	798.1	837.6	891.7	959.8	1037.7	1129.3	1240.2	1365.4	1500.2	1604.0	1635.0
40°	760.5	797.1	853.5	924.1	1003.7	1100.7	1222.3	1354.6	1485.2	1551.3	1525.9
42.5°	720.4	758.9	813.7	883.7	969.4	1075.0	1199.8	1332.1	1441.6	1466.6	1378.5
45°	657.2	697.0	751.1	821.7	913.9	1028.3	1158.4	1278.7	1341.7	1296.5	1160.2
47.5°	598.5	635.8	685.9	758.8	853.9	972.2	1097.5	1193.4	1198.4	1090.7	945.0
50°	558.4	592.8	643.3	716.2	810.5	930.4	1043.4	1119.0	1085.0	963.0	823.0
52.5°	519.1	552.8	602.6	674.8	768.0	877.8	983.0	1036.0	972.1	846.8	727.2
55°	462.3	491.8	540.5	607.1	695.7	797.6	887.0	905.3	822.2	698.8	601.8
57.5°	406.8	434.4	478.7	540.1	621.0	711.3	781.2	777.3	689.4	583.5	506.5
60°	369.3	396.1	435.5	495.3	569.1	647.0	706.8	692.5	605.4	514.1	449.4
62.5°	335.7	359.6	396.8	449.2	516.5	588.7	637.8	616.7	531.3	451.5	400.3
65°	286.1	306.3	338.0	382.7	438.6	498.1	536.1	508.8	435.9	373.8	332.6
67.5°	238.8	254.9	281.5	317.3	364.9	412.7	435.8	408.4	350.1	304.7	274.2
70°	208.8	223.1	243.7	275.4	317.0	357.2	374.6	350.1	300.0	261.1	239.2
72.5°	178.7	190.5	208.6	237.1	270.4	305.4	320.6	297.1	256.0	223.2	202.7
75°	138.2	146.2	158.7	178.4	204.7	232.5	241.0	220.4	194.1	169.4	156.0
77.5°	98.9	105.7	115.2	127.6	146.3	163.9	171.3	159.5	139.1	123.5	112.4
80°	76.0	79.6	87.6	97.9	112.7	123.8	128.7	121.1	106.9	95.2	86.7
82.5°	54.2	57.8	62.6	71.1	80.5	88.1	93.3	88.3	77.9	68.8	63.8
85°	26.3	28.6	31.3	34.9	42.0	46.5	46.1	42.9	38.9	35.3	32.6
87.5°	9.6	10.1	11.4	13.3	14.6	16.1	17.0	16.4	15.2	14.2	13.3
90°	1.4	2.2	3.1	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0
92.5°	12.5	13.1	13.7	14.3	15.1	16.0	17.0	17.9	18.9	19.5	20.3
95°	32.1	32.4	32.5	32.8	33.5	34.5	35.6	36.8	37.8	38.6	39.3
97.5°	53.1	53.2	53.3	53.4	54.2	55.7	57.2	58.7	60.2	61.0	61.6
100°	68.8	68.8	68.8	68.8	69.5	70.9	72.3	73.7	75.2	76.1	77.1
102.5°	86.1	86.5	87.0	87.4	88.0	88.7	89.5	90.1	90.8	92.0	93.0
105°	112.5	113.0	113.7	114.2	114.8	115.5	116.1	116.8	117.4	118.0	118.7
107.5°	141.6	142.2	142.7	143.3	143.8	144.3	144.7	145.3	145.8	146.1	146.5
110°	161.6	162.2	162.7	163.3	163.8	164.0	164.4	164.7	165.1	165.4	165.7





TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	181.8	182.1	182.4	182.7	183.0	183.5	183.8	184.3	184.7	184.9	185.0
115°	212.2	212.6	213.0	213.4	213.8	214.0	214.2	214.4	214.6	214.6	214.4
117.5°	242.1	242.4	242.5	242.7	243.0	243.1	243.3	243.5	243.7	243.8	243.9
120°	261.4	261.9	262.4	263.0	263.3	263.5	263.6	263.6	263.7	263.7	263.7
122.5°	281.5	281.6	281.8	282.1	282.2	282.6	282.8	283.1	283.4	283.4	283.3
125°	309.6	310.2	310.9	311.6	311.9	312.0	312.2	312.3	312.4	312.2	311.9
127.5°	338.8	339.1	339.5	339.9	340.2	340.3	340.4	340.5	340.7	340.6	340.4
130°	356.6	357.2	357.7	358.3	358.7	358.9	359.1	359.3	359.6	359.5	359.3
132.5°	374.7	375.6	376.4	377.4	377.8	377.7	377.7	377.6	377.6	377.5	377.4
135°	402.4	403.1	403.7	404.4	404.8	404.9	405.0	405.1	405.2	405.2	405.2
137.5°	428.8	429.4	430.0	430.7	431.1	431.4	431.5	431.8	432.0	432.1	432.3
140°	445.6	446.1	446.6	447.2	447.6	448.0	448.3	448.6	448.9	449.2	449.4
142.5°	462.4	462.8	463.3	463.7	464.2	464.6	465.0	465.5	465.8	466.0	466.1
145°	487.2	487.7	488.1	488.5	488.9	489.2	489.6	489.9	490.2	490.2	490.2
147.5°	510.0	510.2	510.5	510.7	510.9	511.2	511.5	511.8	512.0	512.3	512.6
150°	525.0	524.9	524.8	524.6	524.8	525.2	525.6	526.1	526.5	526.5	526.5
152.5°	537.8	538.0	538.1	538.2	538.4	538.6	538.7	538.9	539.2	539.4	539.7
155°	557.0	557.0	557.0	557.0	557.1	557.2	557.2	557.4	557.5	557.9	558.4
157.5°	574.0	573.8	573.6	573.3	573.3	573.3	573.5	573.6	573.7	574.1	574.5
160°	584.2	583.8	583.5	583.2	583.1	583.2	583.3	583.4	583.5	583.9	584.4
162.5°	593.3	593.1	592.8	592.5	592.5	592.5	592.5	592.5	592.5	593.1	593.6
165°	605.4	605.2	604.9	604.8	604.7	604.8	604.9	605.0	605.1	605.5	606.0
167.5°	615.4	614.9	614.5	614.1	613.9	613.9	613.9	613.9	613.9	614.5	615.2
170°	620.9	620.4	620.0	619.6	619.4	619.4	619.4	619.4	619.4	620.0	620.7
172.5°	624.8	624.4	624.0	623.5	623.3	623.3	623.3	623.3	623.3	624.0	624.7
175°	629.2	628.8	628.4	627.9	627.8	627.8	627.8	627.8	627.8	628.4	629.0
177.5°	631.6	631.3	630.9	630.5	630.3	630.3	630.2	630.1	630.0	630.5	631.0
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2	631.2



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3	1053.3
2.5°	1101.6	1104.5	1110.5	1108.4	1111.3	1112.7	1114.1
5°	1190.6	1204.9	1211.2	1210.2	1219.6	1217.4	1215.1
7.5°	1291.1	1306.1	1314.5	1325.0	1331.0	1331.5	1336.8
10°	1348.0	1367.6	1375.7	1386.8	1394.0	1398.0	1397.6
12.5°	1391.5	1407.0	1425.0	1430.5	1440.1	1445.2	1443.4
15°	1444.1	1468.7	1487.5	1496.8	1508.9	1512.4	1517.4
17.5°	1490.9	1523.9	1545.8	1574.9	1586.0	1592.7	1588.7
20°	1526.3	1569.7	1591.6	1626.5	1645.7	1656.0	1652.4
22.5°	1568.1	1615.1	1655.6	1685.8	1715.1	1729.0	1731.8
25°	1639.9	1704.3	1763.8	1803.5	1839.7	1848.2	1867.0
27.5°	1720.0	1796.0	1859.5	1901.3	1926.6	1936.0	1941.9
30°	1770.5	1846.0	1893.9	1920.6	1928.7	1927.8	1926.9
32.5°	1795.1	1842.5	1851.6	1844.1	1825.7	1810.2	1793.9
35°	1760.1	1724.8	1672.1	1604.1	1554.0	1503.6	1498.6
37.5°	1583.0	1470.1	1382.2	1284.2	1227.6	1192.7	1168.5
40°	1416.3	1288.1	1181.6	1098.9	1041.2	1018.5	996.1
42.5°	1235.4	1112.8	1018.6	949.4	906.0	880.7	863.1
45°	1003.7	895.5	821.7	771.6	737.3	717.6	706.4
47.5°	822.4	742.4	679.8	643.6	619.8	604.5	604.6
50°	725.1	648.7	607.1	578.5	557.9	545.9	548.1
52.5°	638.9	581.9	546.3	522.4	507.1	499.7	499.5
55°	534.3	493.1	469.8	452.5	442.1	433.7	435.5
57.5°	457.0	422.3	406.7	392.3	385.1	381.7	376.8
60°	409.1	382.3	368.9	357.2	350.1	347.4	342.4
62.5°	366.5	345.4	332.3	322.9	316.4	315.6	311.7
65°	308.1	292.0	280.3	275.9	269.1	267.3	267.3
67.5°	253.9	242.4	233.4	229.3	226.3	226.8	224.6
70°	220.0	210.6	204.7	200.3	198.0	198.5	196.7
72.5°	192.4	181.9	176.8	174.2	171.3	172.4	171.7
75°	145.8	140.3	137.7	135.0	133.2	132.3	131.5
77.5°	107.0	102.3	100.2	98.8	99.0	96.9	98.5
80°	82.7	78.7	77.3	75.1	74.6	74.6	74.2
82.5°	60.5	58.3	57.3	55.4	54.7	55.4	54.2
85°	31.3	29.5	29.1	29.1	28.2	27.3	29.5
87.5°	13.3	12.1	12.1	11.8	11.9	11.6	10.9
90°	9.5	10.1	10.5	10.8	11.1	11.5	11.8
92.5°	21.0	21.8	22.2	22.5	22.7	22.9	23.2
95°	40.1	40.9	41.3	41.6	41.8	42.0	42.3
97.5°	62.4	63.1	63.5	63.6	63.8	63.9	64.1
100°	78.1	79.0	79.6	79.9	80.2	80.3	80.6
102.5°	94.1	95.1	95.8	96.2	96.4	96.8	97.0
105°	119.3	120.0	120.5	120.8	121.1	121.5	121.8
107.5°	146.8	147.1	147.2	147.2	147.2	147.1	147.1
110°	166.0	166.3	166.4	166.3	166.3	166.1	166.0



TEST NUMBER: P333215-935

CATALOG NUMBER: S125DIP-S850D590U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	185.1	185.3	185.3	185.1	184.9	184.7	184.5
115°	214.3	214.2	214.1	214.0	213.9	213.8	213.7
117.5°	244.0	244.1	243.9	243.5	243.1	242.6	242.1
120°	263.7	263.7	263.6	263.1	262.7	262.3	261.8
122.5°	283.2	283.1	282.8	282.5	282.1	281.8	281.5
125°	311.8	311.5	311.3	311.3	311.2	311.0	310.9
127.5°	340.4	340.3	340.1	339.8	339.7	339.4	339.2
130°	359.2	359.1	359.0	358.7	358.5	358.3	358.1
132.5°	377.3	377.2	376.9	376.7	376.3	376.1	375.7
135°	405.2	405.2	405.0	404.6	404.2	403.7	403.3
137.5°	432.4	432.6	432.4	431.8	431.3	430.8	430.2
140°	449.6	449.8	449.6	449.1	448.6	448.0	447.5
142.5°	466.2	466.3	466.1	465.6	465.0	464.5	464.0
145°	490.2	490.2	490.0	489.7	489.4	489.0	488.7
147.5°	512.8	513.1	512.8	512.0	511.3	510.6	509.9
150°	526.5	526.5	526.4	526.2	526.0	525.8	525.6
152.5°	539.9	540.2	540.1	539.7	539.3	538.9	538.6
155°	558.8	559.2	559.2	558.6	558.1	557.5	557.0
157.5°	575.0	575.4	575.3	574.5	573.9	573.2	572.4
160°	584.8	585.2	585.2	584.7	584.1	583.6	583.1
162.5°	594.1	594.7	594.6	594.0	593.3	592.7	592.0
165°	606.4	606.9	606.7	606.1	605.5	604.8	604.2
167.5°	615.9	616.5	616.5	615.8	615.1	614.4	613.8
170°	621.3	622.0	621.9	621.2	620.4	619.7	618.9
172.5°	625.3	625.9	625.9	625.3	624.6	623.9	623.2
175°	629.6	630.3	630.3	629.6	628.8	628.0	627.2
177.5°	631.5	632.1	632.1	631.5	630.9	630.2	629.6
180°	631.2	631.2	631.2	631.2	631.2	631.2	631.2

(END OF REPORT)