

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: P333206-935

Luminaire Tested: **S125DIP-S850D365U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333206-935
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-S850D365U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4064.3 lumens
Efficiency: N/A
Efficacy: 116.1 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

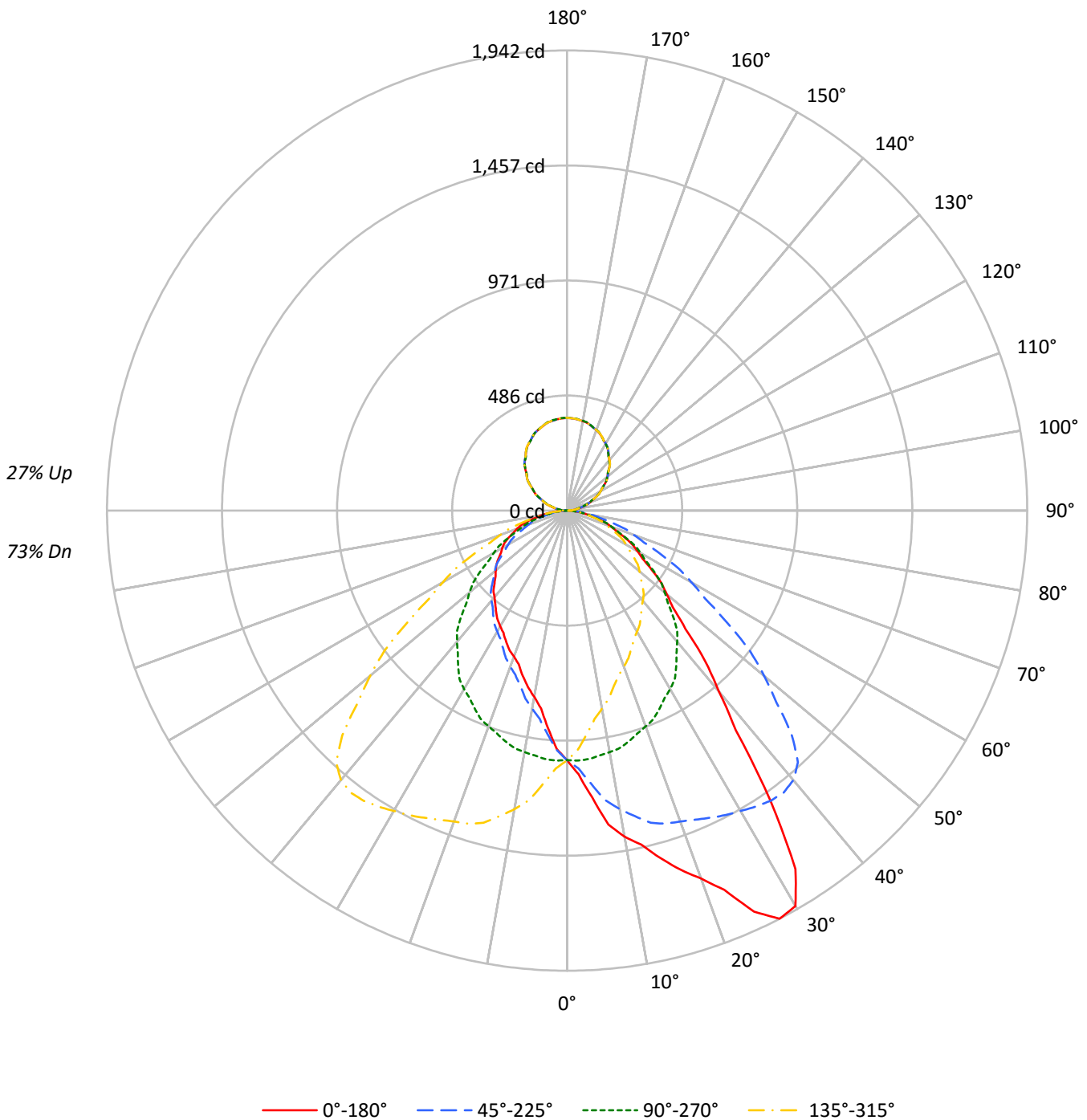
Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	99	95	92	98	94	91	88	85	82	80	77	75	73	69	67	66	62
2	94	87	81	75	89	83	77	72	75	71	67	68	64	61	61	58	56	53
3	86	77	69	63	82	73	66	61	66	61	56	60	56	52	54	51	48	45
4	79	68	60	54	75	65	58	52	59	53	48	54	49	45	49	45	42	39
5	73	61	53	46	69	58	51	45	53	47	42	48	43	39	44	40	36	34
6	67	55	46	40	64	52	45	39	48	42	37	44	39	34	40	36	32	30
7	62	50	41	36	59	48	40	35	44	37	33	40	35	31	37	32	29	26
8	58	45	37	32	55	43	36	31	40	34	29	37	31	27	34	29	26	24
9	54	41	34	28	51	40	33	28	37	30	26	34	28	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	29	24	21	19

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



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CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	2.5
10°-20°	301.9	7.4
20°-30°	490.2	12.1
30°-40°	598.0	14.7
40°-50°	544.0	13.4
50°-60°	433.3	10.7
60°-70°	301.8	7.4
70°-80°	160.9	4.0
80°-90°	41.5	1.0
90°-100°	26.2	0.6
100°-110°	77.3	1.9
110°-120°	131.0	3.2
120°-130°	172.4	4.2
130°-140°	193.2	4.8
140°-150°	189.3	4.7
150°-160°	159.0	3.9
160°-170°	105.7	2.6
170°-180°	37.0	0.9
0°-30°	893.6	22.0
0°-40°	1491.6	36.7
0°-60°	2468.9	60.7
0°-90°	2973.1	73.2
90°-120°	234.5	5.8
90°-150°	789.5	19.4
90°-180°	1091.0	26.8
0°-180°	4064.3	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°	7	0	7	0	7	5
95°	26	20	26	20	26	27
105°	76	69	76	69	76	80
115°	132	131	132	131	132	131
125°	193	191	193	191	193	172
135°	250	249	250	249	250	193
145°	303	302	303	302	303	189
155°	345	345	345	345	345	159
165°	374	375	374	375	374	106
175°	389	390	389	390	389	37
180°	391	391	391	391	391	



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	10.1	10.7	11.0	11.0	11.3	11.3	12.7	12.6	13.5	14.6	15.9
90°	7.3	7.1	6.9	6.7	6.5	6.2	5.9	5.5	5.2	4.9	4.4
92.5°	14.4	14.2	14.0	13.9	13.8	13.4	13.0	12.6	12.1	11.7	11.1
95°	26.2	26.0	25.9	25.7	25.7	25.3	24.9	24.4	23.9	23.4	22.7
97.5°	39.7	39.6	39.5	39.4	39.3	39.1	38.7	38.2	37.8	37.3	36.3
100°	49.9	49.8	49.7	49.5	49.3	49.0	48.4	47.8	47.2	46.6	45.7
102.5°	60.1	59.9	59.8	59.6	59.4	59.0	58.3	57.6	57.0	56.3	55.9
105°	75.5	75.3	75.1	74.8	74.6	74.4	74.0	73.5	73.1	72.8	72.3
107.5°	91.2	91.2	91.2	91.2	91.3	91.1	90.9	90.7	90.5	90.3	90.0
110°	102.9	102.9	103.0	103.1	103.1	103.1	102.9	102.6	102.5	102.3	102.0



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	114.3	114.4	114.5	114.7	114.8	114.8	114.7	114.6	114.5	114.4	114.2
115°	132.3	132.4	132.5	132.6	132.7	132.7	132.8	132.9	132.9	133.0	132.9
117.5°	150.0	150.3	150.6	150.8	151.1	151.2	151.2	151.1	151.0	151.0	150.8
120°	162.2	162.5	162.7	163.0	163.2	163.4	163.4	163.4	163.4	163.4	163.3
122.5°	174.4	174.6	174.8	175.0	175.2	175.4	175.4	175.5	175.6	175.6	175.4
125°	192.6	192.7	192.8	192.9	192.9	193.0	193.1	193.3	193.4	193.6	193.5
127.5°	210.2	210.3	210.4	210.6	210.7	210.8	210.9	210.9	211.0	211.0	211.0
130°	221.9	222.0	222.1	222.2	222.4	222.5	222.6	222.7	222.7	222.7	222.7
132.5°	232.8	233.0	233.2	233.3	233.6	233.7	233.8	233.8	233.8	233.9	234.0
135°	249.9	250.1	250.4	250.6	250.9	251.1	251.1	251.1	251.1	251.1	251.0
137.5°	266.5	266.8	267.2	267.5	267.9	268.0	267.9	267.9	267.8	267.7	267.5
140°	277.2	277.6	277.9	278.3	278.6	278.7	278.5	278.4	278.3	278.1	277.9
142.5°	287.5	287.8	288.1	288.4	288.8	289.0	288.9	288.8	288.7	288.6	288.3
145°	302.8	303.0	303.2	303.4	303.6	303.7	303.7	303.7	303.7	303.7	303.5
147.5°	315.9	316.3	316.8	317.3	317.7	317.9	317.7	317.5	317.4	317.2	317.0
150°	325.6	325.7	325.9	326.1	326.1	326.2	326.2	326.2	326.2	326.2	326.0
152.5°	333.6	333.9	334.2	334.4	334.6	334.7	334.5	334.3	334.2	334.0	333.9
155°	345.1	345.4	345.8	346.1	346.5	346.5	346.2	345.9	345.7	345.4	345.3
157.5°	354.6	355.1	355.5	356.0	356.5	356.5	356.3	355.9	355.7	355.4	355.3
160°	361.2	361.5	361.9	362.2	362.6	362.6	362.3	362.1	361.8	361.5	361.4
162.5°	366.8	367.2	367.6	368.0	368.4	368.4	368.1	367.7	367.5	367.1	367.1
165°	374.3	374.7	375.1	375.5	375.9	376.0	375.7	375.5	375.2	374.9	374.9
167.5°	380.3	380.6	381.1	381.5	381.9	381.9	381.5	381.2	380.7	380.3	380.3
170°	383.4	383.9	384.4	384.9	385.3	385.4	385.0	384.5	384.2	383.7	383.7
172.5°	386.1	386.5	386.9	387.4	387.8	387.8	387.4	387.0	386.6	386.2	386.2
175°	388.6	389.1	389.5	390.0	390.5	390.5	390.1	389.7	389.3	388.9	388.9
177.5°	390.0	390.5	390.8	391.2	391.6	391.6	391.3	391.0	390.6	390.3	390.4
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	16.5	15.7	14.2	13.0	11.1	9.9	9.5	9.7	8.8	8.5	9.0
90°	4.0	3.4	3.0	2.5	1.9	1.4	0.9	0.3	0.9	1.4	1.9
92.5°	10.5	9.9	9.4	8.9	8.5	8.1	7.7	7.4	7.7	8.1	8.5
95°	22.0	21.4	20.8	20.3	20.1	20.1	19.9	19.8	19.9	20.1	20.1
97.5°	35.5	34.5	33.6	33.1	33.1	33.0	32.9	32.9	32.9	33.0	33.1
100°	44.8	43.9	43.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
102.5°	55.4	54.9	54.5	54.2	53.9	53.6	53.4	53.0	53.4	53.6	53.9
105°	71.9	71.5	71.1	70.8	70.4	70.1	69.7	69.4	69.7	70.1	70.4
107.5°	89.7	89.4	89.1	88.8	88.4	88.1	87.7	87.4	87.7	88.1	88.4
110°	101.9	101.6	101.4	101.2	100.8	100.5	100.1	99.8	100.1	100.5	100.8



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	113.9	113.7	113.4	113.1	113.0	112.8	112.6	112.4	112.6	112.8	113.0
115°	132.7	132.6	132.4	132.2	132.0	131.7	131.4	131.1	131.4	131.7	132.0
117.5°	150.8	150.7	150.5	150.4	150.2	150.2	150.0	149.9	150.0	150.2	150.2
120°	163.2	163.2	163.2	162.9	162.6	162.3	162.0	161.6	162.0	162.3	162.6
122.5°	175.2	175.0	174.9	174.7	174.6	174.5	174.4	174.3	174.4	174.5	174.6
125°	193.4	193.4	193.3	193.0	192.6	192.3	191.8	191.4	191.8	192.3	192.6
127.5°	210.9	210.9	210.8	210.6	210.3	210.2	209.9	209.7	209.9	210.2	210.3
130°	222.5	222.3	222.2	222.0	221.6	221.3	220.9	220.6	220.9	221.3	221.6
132.5°	234.0	234.0	234.1	233.8	233.2	232.7	232.1	231.6	232.1	232.7	233.2
135°	250.9	250.9	250.8	250.6	250.1	249.8	249.3	248.9	249.3	249.8	250.1
137.5°	267.3	267.3	267.1	266.8	266.4	266.0	265.6	265.3	265.6	266.0	266.4
140°	277.8	277.5	277.3	277.1	276.7	276.4	276.0	275.7	276.0	276.4	276.7
142.5°	288.1	287.8	287.6	287.3	287.1	286.7	286.5	286.2	286.5	286.7	287.1
145°	303.3	303.1	302.9	302.6	302.4	302.1	301.9	301.6	301.9	302.1	302.4
147.5°	316.9	316.8	316.6	316.4	316.2	316.1	316.0	315.8	316.0	316.1	316.2
150°	325.7	325.4	325.1	325.0	325.1	325.2	325.3	325.3	325.3	325.2	325.1
152.5°	333.8	333.7	333.6	333.5	333.4	333.3	333.2	333.1	333.2	333.3	333.4
155°	345.3	345.2	345.1	345.1	345.1	345.1	345.1	345.1	345.1	345.1	345.1
157.5°	355.3	355.2	355.2	355.2	355.3	355.5	355.7	355.8	355.7	355.5	355.3
160°	361.4	361.4	361.3	361.4	361.5	361.7	362.0	362.1	362.0	361.7	361.5
162.5°	367.1	367.0	367.0	367.1	367.3	367.5	367.6	367.7	367.6	367.5	367.3
165°	374.8	374.7	374.6	374.7	374.8	375.0	375.1	375.2	375.1	375.0	374.8
167.5°	380.3	380.3	380.3	380.5	380.7	381.0	381.3	381.5	381.3	381.0	380.7
170°	383.7	383.7	383.7	383.8	384.2	384.4	384.7	385.0	384.7	384.4	384.2
172.5°	386.2	386.2	386.2	386.3	386.6	386.8	387.1	387.4	387.1	386.8	386.6
175°	388.9	388.9	388.9	389.1	389.3	389.6	389.9	390.1	389.9	389.6	389.3
177.5°	390.5	390.5	390.5	390.6	390.9	391.1	391.3	391.5	391.3	391.1	390.9
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	9.5	10.2	10.0	10.4	10.5	11.4	11.0	12.6	13.3	14.1	13.8
90°	2.5	3.0	3.4	4.0	4.4	4.9	5.2	5.5	5.9	6.2	6.5
92.5°	8.9	9.4	9.9	10.5	11.1	11.7	12.1	12.6	13.0	13.4	13.8
95°	20.3	20.8	21.4	22.0	22.7	23.4	23.9	24.4	24.9	25.3	25.7
97.5°	33.1	33.6	34.5	35.5	36.3	37.3	37.8	38.2	38.7	39.1	39.3
100°	42.6	43.0	43.9	44.8	45.7	46.6	47.2	47.8	48.4	49.0	49.3
102.5°	54.2	54.5	54.9	55.4	55.9	56.3	57.0	57.6	58.3	59.0	59.4
105°	70.8	71.1	71.5	71.9	72.3	72.8	73.1	73.5	74.0	74.4	74.6
107.5°	88.8	89.1	89.4	89.7	90.0	90.3	90.5	90.7	90.9	91.1	91.3
110°	101.2	101.4	101.6	101.9	102.0	102.3	102.5	102.6	102.9	103.1	103.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	113.1	113.4	113.7	113.9	114.2	114.4	114.5	114.6	114.7	114.8	114.8
115°	132.2	132.4	132.6	132.7	132.9	133.0	132.9	132.9	132.8	132.7	132.7
117.5°	150.4	150.5	150.7	150.8	150.8	151.0	151.0	151.1	151.2	151.2	151.1
120°	162.9	163.2	163.2	163.2	163.3	163.4	163.4	163.4	163.4	163.4	163.2
122.5°	174.7	174.9	175.0	175.2	175.4	175.6	175.6	175.5	175.4	175.4	175.2
125°	193.0	193.3	193.4	193.4	193.5	193.6	193.4	193.3	193.1	193.0	192.9
127.5°	210.6	210.8	210.9	210.9	211.0	211.0	211.0	210.9	210.9	210.8	210.7
130°	222.0	222.2	222.3	222.5	222.7	222.7	222.7	222.7	222.6	222.5	222.4
132.5°	233.8	234.1	234.0	234.0	234.0	233.9	233.8	233.8	233.8	233.7	233.6
135°	250.6	250.8	250.9	250.9	251.0	251.1	251.1	251.1	251.1	251.1	250.9
137.5°	266.8	267.1	267.3	267.3	267.5	267.7	267.8	267.9	267.9	268.0	267.9
140°	277.1	277.3	277.5	277.8	277.9	278.1	278.3	278.4	278.5	278.7	278.6
142.5°	287.3	287.6	287.8	288.1	288.3	288.6	288.7	288.8	288.9	289.0	288.8
145°	302.6	302.9	303.1	303.3	303.5	303.7	303.7	303.7	303.7	303.7	303.6
147.5°	316.4	316.6	316.8	316.9	317.0	317.2	317.4	317.5	317.7	317.9	317.7
150°	325.0	325.1	325.4	325.7	326.0	326.2	326.2	326.2	326.2	326.2	326.1
152.5°	333.5	333.6	333.7	333.8	333.9	334.0	334.2	334.3	334.5	334.7	334.6
155°	345.1	345.1	345.2	345.3	345.3	345.4	345.7	345.9	346.2	346.5	346.5
157.5°	355.2	355.2	355.2	355.3	355.3	355.4	355.7	355.9	356.3	356.5	356.5
160°	361.4	361.3	361.4	361.4	361.4	361.5	361.8	362.1	362.3	362.6	362.6
162.5°	367.1	367.0	367.0	367.1	367.1	367.1	367.5	367.7	368.1	368.4	368.4
165°	374.7	374.6	374.7	374.8	374.9	374.9	375.2	375.5	375.7	376.0	375.9
167.5°	380.5	380.3	380.3	380.3	380.3	380.3	380.7	381.2	381.5	381.9	381.9
170°	383.8	383.7	383.7	383.7	383.7	383.7	384.2	384.5	385.0	385.4	385.3
172.5°	386.3	386.2	386.2	386.2	386.2	386.2	386.6	387.0	387.4	387.8	387.8
175°	389.1	388.9	388.9	388.9	388.9	388.9	389.3	389.7	390.1	390.5	390.5
177.5°	390.6	390.5	390.5	390.5	390.4	390.3	390.6	391.0	391.3	391.6	391.6
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	14.6	14.3	14.3	15.1	14.3	14.3	14.6	13.8	14.1	13.3	12.6
90°	6.7	6.9	7.1	7.3	7.1	6.9	6.7	6.5	6.2	5.9	5.5
92.5°	13.9	14.0	14.2	14.4	14.2	14.0	13.9	13.8	13.4	13.0	12.6
95°	25.7	25.9	26.0	26.2	26.0	25.9	25.7	25.7	25.3	24.9	24.4
97.5°	39.4	39.5	39.6	39.7	39.6	39.5	39.4	39.3	39.1	38.7	38.2
100°	49.5	49.7	49.8	49.9	49.8	49.7	49.5	49.3	49.0	48.4	47.8
102.5°	59.6	59.8	59.9	60.1	59.9	59.8	59.6	59.4	59.0	58.3	57.6
105°	74.8	75.1	75.3	75.5	75.3	75.1	74.8	74.6	74.4	74.0	73.5
107.5°	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.1	90.9	90.7
110°	103.1	103.0	102.9	102.9	102.9	103.0	103.1	103.1	103.1	102.9	102.6



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	114.7	114.5	114.4	114.3	114.4	114.5	114.7	114.8	114.8	114.7	114.6
115°	132.6	132.5	132.4	132.3	132.4	132.5	132.6	132.7	132.7	132.8	132.9
117.5°	150.8	150.6	150.3	150.0	150.3	150.6	150.8	151.1	151.2	151.2	151.1
120°	163.0	162.7	162.5	162.2	162.5	162.7	163.0	163.2	163.4	163.4	163.4
122.5°	175.0	174.8	174.6	174.4	174.6	174.8	175.0	175.2	175.4	175.4	175.5
125°	192.9	192.8	192.7	192.6	192.7	192.8	192.9	192.9	193.0	193.1	193.3
127.5°	210.6	210.4	210.3	210.2	210.3	210.4	210.6	210.7	210.8	210.9	210.9
130°	222.2	222.1	222.0	221.9	222.0	222.1	222.2	222.4	222.5	222.6	222.7
132.5°	233.3	233.2	233.0	232.8	233.0	233.2	233.3	233.6	233.7	233.8	233.8
135°	250.6	250.4	250.1	249.9	250.1	250.4	250.6	250.9	251.1	251.1	251.1
137.5°	267.5	267.2	266.8	266.5	266.8	267.2	267.5	267.9	268.0	267.9	267.9
140°	278.3	277.9	277.6	277.2	277.6	277.9	278.3	278.6	278.7	278.5	278.4
142.5°	288.4	288.1	287.8	287.5	287.8	288.1	288.4	288.8	289.0	288.9	288.8
145°	303.4	303.2	303.0	302.8	303.0	303.2	303.4	303.6	303.7	303.7	303.7
147.5°	317.3	316.8	316.3	315.9	316.3	316.8	317.3	317.7	317.9	317.7	317.5
150°	326.1	325.9	325.7	325.6	325.7	325.9	326.1	326.1	326.2	326.2	326.2
152.5°	334.4	334.2	333.9	333.6	333.9	334.2	334.4	334.6	334.7	334.5	334.3
155°	346.1	345.8	345.4	345.1	345.4	345.8	346.1	346.5	346.5	346.2	345.9
157.5°	356.0	355.5	355.1	354.6	355.1	355.5	356.0	356.5	356.5	356.3	355.9
160°	362.2	361.9	361.5	361.2	361.5	361.9	362.2	362.6	362.6	362.3	362.1
162.5°	368.0	367.6	367.2	366.8	367.2	367.6	368.0	368.4	368.4	368.1	367.7
165°	375.5	375.1	374.7	374.3	374.7	375.1	375.5	375.9	376.0	375.7	375.5
167.5°	381.5	381.1	380.6	380.3	380.6	381.1	381.5	381.9	381.9	381.5	381.2
170°	384.9	384.4	383.9	383.4	383.9	384.4	384.9	385.3	385.4	385.0	384.5
172.5°	387.4	386.9	386.5	386.1	386.5	386.9	387.4	387.8	387.8	387.4	387.0
175°	390.0	389.5	389.1	388.6	389.1	389.5	390.0	390.5	390.5	390.1	389.7
177.5°	391.2	390.8	390.5	390.0	390.5	390.8	391.2	391.6	391.6	391.3	391.0
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	11.0	11.4	10.5	10.4	10.0	10.2	9.5	9.0	8.5	8.8	9.7
90°	5.2	4.9	4.4	4.0	3.4	3.0	2.5	1.9	1.4	0.9	0.3
92.5°	12.1	11.7	11.1	10.5	9.9	9.4	8.9	8.5	8.1	7.7	7.4
95°	23.9	23.4	22.7	22.0	21.4	20.8	20.3	20.1	20.1	19.9	19.8
97.5°	37.8	37.3	36.3	35.5	34.5	33.6	33.1	33.1	33.0	32.9	32.9
100°	47.2	46.6	45.7	44.8	43.9	43.0	42.6	42.6	42.6	42.6	42.6
102.5°	57.0	56.3	55.9	55.4	54.9	54.5	54.2	53.9	53.6	53.4	53.0
105°	73.1	72.8	72.3	71.9	71.5	71.1	70.8	70.4	70.1	69.7	69.4
107.5°	90.5	90.3	90.0	89.7	89.4	89.1	88.8	88.4	88.1	87.7	87.4
110°	102.5	102.3	102.0	101.9	101.6	101.4	101.2	100.8	100.5	100.1	99.8



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	114.5	114.4	114.2	113.9	113.7	113.4	113.1	113.0	112.8	112.6	112.4
115°	132.9	133.0	132.9	132.7	132.6	132.4	132.2	132.0	131.7	131.4	131.1
117.5°	151.0	151.0	150.8	150.8	150.7	150.5	150.4	150.2	150.2	150.0	149.9
120°	163.4	163.4	163.3	163.2	163.2	163.2	162.9	162.6	162.3	162.0	161.6
122.5°	175.6	175.6	175.4	175.2	175.0	174.9	174.7	174.6	174.5	174.4	174.3
125°	193.4	193.6	193.5	193.4	193.4	193.3	193.0	192.6	192.3	191.8	191.4
127.5°	211.0	211.0	211.0	210.9	210.9	210.8	210.6	210.3	210.2	209.9	209.7
130°	222.7	222.7	222.7	222.5	222.3	222.2	222.0	221.6	221.3	220.9	220.6
132.5°	233.8	233.9	234.0	234.0	234.0	234.1	233.8	233.2	232.7	232.1	231.6
135°	251.1	251.1	251.0	250.9	250.9	250.8	250.6	250.1	249.8	249.3	248.9
137.5°	267.8	267.7	267.5	267.3	267.3	267.1	266.8	266.4	266.0	265.6	265.3
140°	278.3	278.1	277.9	277.8	277.5	277.3	277.1	276.7	276.4	276.0	275.7
142.5°	288.7	288.6	288.3	288.1	287.8	287.6	287.3	287.1	286.7	286.5	286.2
145°	303.7	303.7	303.5	303.3	303.1	302.9	302.6	302.4	302.1	301.9	301.6
147.5°	317.4	317.2	317.0	316.9	316.8	316.6	316.4	316.2	316.1	316.0	315.8
150°	326.2	326.2	326.0	325.7	325.4	325.1	325.0	325.1	325.2	325.3	325.3
152.5°	334.2	334.0	333.9	333.8	333.7	333.6	333.5	333.4	333.3	333.2	333.1
155°	345.7	345.4	345.3	345.3	345.2	345.1	345.1	345.1	345.1	345.1	345.1
157.5°	355.7	355.4	355.3	355.3	355.2	355.2	355.2	355.3	355.5	355.7	355.8
160°	361.8	361.5	361.4	361.4	361.4	361.3	361.4	361.5	361.7	362.0	362.1
162.5°	367.5	367.1	367.1	367.1	367.0	367.0	367.1	367.3	367.5	367.6	367.7
165°	375.2	374.9	374.9	374.8	374.7	374.6	374.7	374.8	375.0	375.1	375.2
167.5°	380.7	380.3	380.3	380.3	380.3	380.3	380.5	380.7	381.0	381.3	381.5
170°	384.2	383.7	383.7	383.7	383.7	383.7	383.8	384.2	384.4	384.7	385.0
172.5°	386.6	386.2	386.2	386.2	386.2	386.2	386.3	386.6	386.8	387.1	387.4
175°	389.3	388.9	388.9	388.9	388.9	388.9	389.1	389.3	389.6	389.9	390.1
177.5°	390.6	390.3	390.4	390.5	390.5	390.5	390.6	390.9	391.1	391.3	391.5
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	9.5	9.9	11.1	13.0	14.2	15.7	16.5	15.9	14.6	13.5	12.6
90°	0.9	1.4	1.9	2.5	3.0	3.4	4.0	4.4	4.9	5.2	5.5
92.5°	7.7	8.1	8.5	8.9	9.4	9.9	10.5	11.1	11.7	12.1	12.6
95°	19.9	20.1	20.1	20.3	20.8	21.4	22.0	22.7	23.4	23.9	24.4
97.5°	32.9	33.0	33.1	33.1	33.6	34.5	35.5	36.3	37.3	37.8	38.2
100°	42.6	42.6	42.6	42.6	43.0	43.9	44.8	45.7	46.6	47.2	47.8
102.5°	53.4	53.6	53.9	54.2	54.5	54.9	55.4	55.9	56.3	57.0	57.6
105°	69.7	70.1	70.4	70.8	71.1	71.5	71.9	72.3	72.8	73.1	73.5
107.5°	87.7	88.1	88.4	88.8	89.1	89.4	89.7	90.0	90.3	90.5	90.7
110°	100.1	100.5	100.8	101.2	101.4	101.6	101.9	102.0	102.3	102.5	102.6



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	112.6	112.8	113.0	113.1	113.4	113.7	113.9	114.2	114.4	114.5	114.6
115°	131.4	131.7	132.0	132.2	132.4	132.6	132.7	132.9	133.0	132.9	132.9
117.5°	150.0	150.2	150.2	150.4	150.5	150.7	150.8	150.8	151.0	151.0	151.1
120°	162.0	162.3	162.6	162.9	163.2	163.2	163.2	163.3	163.4	163.4	163.4
122.5°	174.4	174.5	174.6	174.7	174.9	175.0	175.2	175.4	175.6	175.6	175.5
125°	191.8	192.3	192.6	193.0	193.3	193.4	193.4	193.5	193.6	193.4	193.3
127.5°	209.9	210.2	210.3	210.6	210.8	210.9	210.9	211.0	211.0	211.0	210.9
130°	220.9	221.3	221.6	222.0	222.2	222.3	222.5	222.7	222.7	222.7	222.7
132.5°	232.1	232.7	233.2	233.8	234.1	234.0	234.0	234.0	233.9	233.8	233.8
135°	249.3	249.8	250.1	250.6	250.8	250.9	250.9	251.0	251.1	251.1	251.1
137.5°	265.6	266.0	266.4	266.8	267.1	267.3	267.3	267.5	267.7	267.8	267.9
140°	276.0	276.4	276.7	277.1	277.3	277.5	277.8	277.9	278.1	278.3	278.4
142.5°	286.5	286.7	287.1	287.3	287.6	287.8	288.1	288.3	288.6	288.7	288.8
145°	301.9	302.1	302.4	302.6	302.9	303.1	303.3	303.5	303.7	303.7	303.7
147.5°	316.0	316.1	316.2	316.4	316.6	316.8	316.9	317.0	317.2	317.4	317.5
150°	325.3	325.2	325.1	325.0	325.1	325.4	325.7	326.0	326.2	326.2	326.2
152.5°	333.2	333.3	333.4	333.5	333.6	333.7	333.8	333.9	334.0	334.2	334.3
155°	345.1	345.1	345.1	345.1	345.1	345.2	345.3	345.3	345.4	345.7	345.9
157.5°	355.7	355.5	355.3	355.2	355.2	355.2	355.3	355.3	355.4	355.7	355.9
160°	362.0	361.7	361.5	361.4	361.3	361.4	361.4	361.4	361.5	361.8	362.1
162.5°	367.6	367.5	367.3	367.1	367.0	367.0	367.1	367.1	367.1	367.5	367.7
165°	375.1	375.0	374.8	374.7	374.6	374.7	374.8	374.9	374.9	375.2	375.5
167.5°	381.3	381.0	380.7	380.5	380.3	380.3	380.3	380.3	380.3	380.7	381.2
170°	384.7	384.4	384.2	383.8	383.7	383.7	383.7	383.7	383.7	384.2	384.5
172.5°	387.1	386.8	386.6	386.3	386.2	386.2	386.2	386.2	386.2	386.6	387.0
175°	389.9	389.6	389.3	389.1	388.9	388.9	388.9	388.9	388.9	389.3	389.7
177.5°	391.3	391.1	390.9	390.6	390.5	390.5	390.5	390.4	390.3	390.6	391.0
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-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°	12.7	11.3	11.3	11.0	11.0	10.7	10.1
90°	5.9	6.2	6.5	6.7	6.9	7.1	7.3
92.5°	13.0	13.4	13.8	13.9	14.0	14.2	14.4
95°	24.9	25.3	25.7	25.7	25.9	26.0	26.2
97.5°	38.7	39.1	39.3	39.4	39.5	39.6	39.7
100°	48.4	49.0	49.3	49.5	49.7	49.8	49.9
102.5°	58.3	59.0	59.4	59.6	59.8	59.9	60.1
105°	74.0	74.4	74.6	74.8	75.1	75.3	75.5
107.5°	90.9	91.1	91.3	91.2	91.2	91.2	91.2
110°	102.9	103.1	103.1	103.1	103.0	102.9	102.9



TEST NUMBER: P333206-935

CATALOG NUMBER: S125DIP-S850D365U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	114.7	114.8	114.8	114.7	114.5	114.4	114.3
115°	132.8	132.7	132.7	132.6	132.5	132.4	132.3
117.5°	151.2	151.2	151.1	150.8	150.6	150.3	150.0
120°	163.4	163.4	163.2	163.0	162.7	162.5	162.2
122.5°	175.4	175.4	175.2	175.0	174.8	174.6	174.4
125°	193.1	193.0	192.9	192.9	192.8	192.7	192.6
127.5°	210.9	210.8	210.7	210.6	210.4	210.3	210.2
130°	222.6	222.5	222.4	222.2	222.1	222.0	221.9
132.5°	233.8	233.7	233.6	233.3	233.2	233.0	232.8
135°	251.1	251.1	250.9	250.6	250.4	250.1	249.9
137.5°	267.9	268.0	267.9	267.5	267.2	266.8	266.5
140°	278.5	278.7	278.6	278.3	277.9	277.6	277.2
142.5°	288.9	289.0	288.8	288.4	288.1	287.8	287.5
145°	303.7	303.7	303.6	303.4	303.2	303.0	302.8
147.5°	317.7	317.9	317.7	317.3	316.8	316.3	315.9
150°	326.2	326.2	326.1	326.1	325.9	325.7	325.6
152.5°	334.5	334.7	334.6	334.4	334.2	333.9	333.6
155°	346.2	346.5	346.5	346.1	345.8	345.4	345.1
157.5°	356.3	356.5	356.5	356.0	355.5	355.1	354.6
160°	362.3	362.6	362.6	362.2	361.9	361.5	361.2
162.5°	368.1	368.4	368.4	368.0	367.6	367.2	366.8
165°	375.7	376.0	375.9	375.5	375.1	374.7	374.3
167.5°	381.5	381.9	381.9	381.5	381.1	380.6	380.3
170°	385.0	385.4	385.3	384.9	384.4	383.9	383.4
172.5°	387.4	387.8	387.8	387.4	386.9	386.5	386.1
175°	390.1	390.5	390.5	390.0	389.5	389.1	388.6
177.5°	391.3	391.6	391.6	391.2	390.8	390.5	390.0
180°	391.1	391.1	391.1	391.1	391.1	391.1	391.1

(END OF REPORT)