

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: P333207-930

Luminaire Tested: **S125DIP-S850D365U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333207-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D365U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3887.0 lumens
Efficiency: N/A
Efficacy: 111.1 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

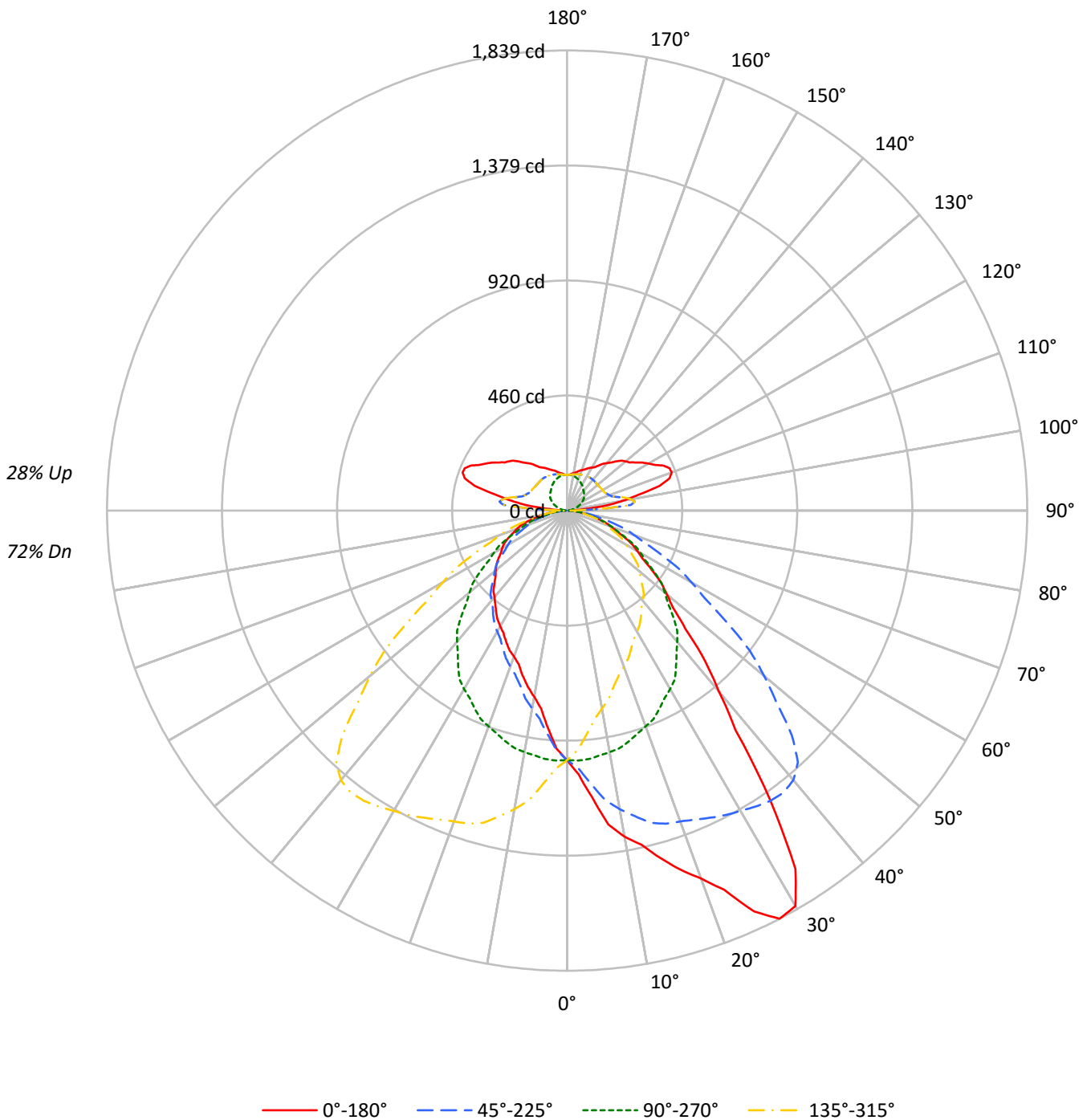
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72				
1	103	99	95	91	98	94	90	87	85	82	80	76	74	72	68	67	66	62				
2	94	87	80	75	89	82	77	72	75	70	66	67	64	61	61	58	56	52				
3	86	76	69	63	81	73	66	61	66	61	56	60	55	52	54	51	48	44				
4	79	68	60	54	75	65	57	52	59	53	48	53	49	45	48	44	41	38				
5	73	61	52	46	69	58	50	45	53	47	42	48	43	39	44	39	36	33				
6	67	55	46	40	63	52	45	39	48	41	37	44	38	34	40	35	32	29				
7	62	50	41	36	59	47	40	35	43	37	32	40	34	30	36	32	28	26				
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23				
9	54	41	34	28	51	40	32	28	36	30	26	34	28	24	31	26	23	21				
10	50	38	31	26	48	36	30	25	34	28	24	31	26	22	28	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6442	6442	6442	6442
5°	7459	6463	5659	6463
10°	8679	6430	4958	6430
15°	9607	6383	4574	6383
20°	10754	6308	4265	6308
25°	12598	6223	4115	6223
30°	13607	6141	3985	6141
35°	11188	5984	3899	5984
40°	7952	5767	3805	5767
45°	6109	5476	3751	5476
50°	5215	5112	3743	5112
55°	4644	4757	3775	4757
60°	4188	4370	3871	4370
65°	3869	3978	3972	3978
70°	3518	3573	4030	3573
75°	3107	3147	3992	3147
80°	2615	2566	3652	2566
85°	2075	1845	2949	1845



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	2.5
10°-20°	285.9	7.4
20°-30°	464.2	11.9
30°-40°	566.3	14.6
40°-50°	515.1	13.3
50°-60°	410.3	10.6
60°-70°	285.8	7.4
70°-80°	152.4	3.9
80°-90°	39.3	1.0
90°-100°	103.6	2.7
100°-110°	222.7	5.7
110°-120°	209.0	5.4
120°-130°	169.4	4.4
130°-140°	135.9	3.5
140°-150°	102.6	2.6
150°-160°	72.2	1.9
160°-170°	42.6	1.1
170°-180°	13.8	0.4
0°-30°	846.1	21.8
0°-40°	1412.4	36.3
0°-60°	2337.8	60.1
0°-90°	2815.3	72.4
90°-120°	535.3	13.8
90°-150°	943.1	24.3
90°-180°	1072.0	27.6
0°-180°	3887.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	997	997	997	997	997	
5°	1151	997	873	997	1151	116
15°	1437	955	684	955	1437	411
25°	1768	873	578	873	1768	807
35°	1419	759	494	759	1419	868
45°	669	600	411	600	669	535
55°	412	422	335	422	412	371
65°	253	260	260	260	253	251
75°	124	126	160	126	124	134
85°	28	25	40	25	28	32
90°	7	0	7	0	7	6
95°	68	10	68	10	68	96
105°	382	32	382	32	382	380
115°	425	58	425	58	425	416
125°	335	81	335	81	335	303
135°	278	94	278	94	278	216
145°	220	110	220	110	220	140
155°	184	126	184	126	184	86
165°	161	137	161	137	161	46
175°	145	143	145	143	145	14
180°	143	143	143	143	143	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1055.0	1053.6	1052.3	1049.5	1051.6	1045.9	1043.1	1038.4	1032.7	1030.6	1028.3
5°	1150.6	1152.8	1154.9	1146.0	1146.9	1140.9	1127.4	1116.4	1107.5	1096.1	1088.0
7.5°	1265.8	1260.8	1260.4	1254.7	1244.7	1236.8	1222.5	1204.4	1186.9	1166.9	1150.4
10°	1323.4	1323.8	1320.0	1313.2	1302.7	1295.0	1276.4	1258.6	1237.1	1211.6	1193.4
12.5°	1366.8	1368.5	1363.7	1354.5	1349.4	1332.3	1317.7	1296.6	1270.9	1250.6	1222.9
15°	1436.9	1432.2	1428.8	1417.4	1408.5	1390.7	1367.4	1345.4	1317.4	1291.6	1265.8
17.5°	1504.4	1508.1	1501.8	1491.3	1463.8	1443.0	1411.8	1381.6	1346.9	1312.2	1281.4
20°	1564.7	1568.1	1558.4	1540.2	1507.2	1486.4	1445.3	1406.4	1366.1	1321.7	1287.8
22.5°	1639.9	1637.2	1624.1	1596.4	1567.7	1529.4	1484.9	1437.5	1387.2	1336.9	1291.9
25°	1767.9	1750.1	1742.1	1707.8	1670.1	1613.8	1552.8	1483.4	1420.7	1354.3	1296.7
27.5°	1838.8	1833.3	1824.3	1800.4	1760.8	1700.6	1628.7	1544.1	1455.7	1371.8	1296.5
30°	1824.6	1825.5	1826.4	1818.7	1793.3	1748.0	1676.5	1585.4	1480.4	1386.0	1298.9
32.5°	1698.7	1714.1	1728.8	1746.2	1753.3	1744.7	1699.8	1617.6	1509.6	1402.3	1297.5
35°	1419.0	1423.8	1471.5	1519.0	1583.3	1633.3	1666.7	1630.4	1539.3	1416.1	1295.8
37.5°	1106.4	1129.4	1162.5	1216.0	1308.9	1392.0	1499.0	1548.2	1518.8	1420.6	1292.9
40°	943.2	964.4	985.9	1040.6	1118.9	1219.7	1341.2	1444.9	1469.0	1406.4	1282.7
42.5°	817.3	834.0	857.9	899.0	964.5	1053.7	1169.8	1305.4	1388.8	1365.1	1261.4
45°	668.9	679.5	698.1	730.7	778.1	848.0	950.4	1098.6	1227.7	1270.5	1210.8
47.5°	572.5	572.4	586.9	609.4	643.7	703.0	778.8	894.9	1032.8	1134.8	1130.1
50°	519.0	516.9	528.3	547.8	574.9	614.2	686.6	779.3	911.9	1027.4	1059.6
52.5°	473.0	473.2	480.2	494.6	517.3	551.0	605.0	688.6	801.8	920.5	981.0
55°	412.4	410.7	418.7	428.4	444.9	466.9	505.9	569.8	661.7	778.5	857.3
57.5°	356.8	361.4	364.7	371.5	385.1	399.9	432.8	479.6	552.5	652.8	736.1
60°	324.2	329.0	331.5	338.3	349.3	362.0	387.3	425.5	486.8	573.2	655.7
62.5°	295.1	298.8	299.6	305.7	314.7	327.1	347.1	379.0	427.5	503.1	584.0
65°	253.2	253.2	254.9	261.2	265.5	276.5	291.7	315.0	353.9	412.8	481.8
67.5°	212.7	214.7	214.3	217.1	221.0	229.5	240.4	259.7	288.5	331.5	386.7
70°	186.3	187.9	187.5	189.6	193.9	199.4	208.3	226.5	247.2	284.1	331.5
72.5°	162.6	163.2	162.2	164.9	167.5	172.3	182.2	191.9	211.3	242.4	281.4
75°	124.5	125.3	126.1	127.8	130.4	132.9	138.0	147.7	160.5	183.8	208.7
77.5°	93.3	91.7	93.8	93.5	94.9	96.9	101.3	106.5	116.9	131.7	151.0
80°	70.3	70.7	70.7	71.1	73.2	74.5	78.4	82.1	90.2	101.2	114.7
82.5°	51.3	52.4	51.8	52.5	54.3	55.2	57.3	60.4	65.1	73.8	83.6
85°	28.0	25.8	26.7	27.6	27.6	28.0	29.6	30.9	33.4	36.9	40.6
87.5°	9.5	10.1	10.4	10.4	10.8	10.6	11.9	11.9	12.8	13.8	15.0
90°	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2	4.9	4.6	4.0
92.5°	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0	75.2	92.9	94.4
95°	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2	249.8	255.3	208.3
97.5°	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5	316.1	272.6	186.1
100°	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4	332.2	260.2	166.0
102.5°	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8	322.5	238.3	150.7
105°	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8	291.6	208.9	136.0
107.5°	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2	260.0	188.7	129.8
110°	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3	242.1	179.2	127.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4	228.7	173.7	127.9
115°	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6	214.1	167.7	128.8
117.5°	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3	205.4	164.8	130.7
120°	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0	200.6	163.4	132.6
122.5°	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8	196.4	162.2	134.1
125°	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7	190.8	160.8	136.9
127.5°	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5	185.6	160.1	139.9
130°	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7	182.1	159.6	141.8
132.5°	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9	179.4	159.6	143.8
135°	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5	176.0	159.6	146.7
137.5°	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2	173.1	160.0	149.3
140°	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7	171.7	160.2	150.4
142.5°	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7	170.6	160.5	151.1
145°	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8	168.8	160.2	151.8
147.5°	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1	167.1	159.5	152.1
150°	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0	165.7	158.7	152.1
152.5°	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7	164.0	157.8	151.9
155°	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2	161.3	156.2	151.2
157.5°	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8	158.8	154.4	150.5
160°	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5	156.8	153.3	149.9
162.5°	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9	154.9	151.9	149.1
165°	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4	152.1	149.9	148.1
167.5°	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1	149.4	147.8	146.5
170°	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3	147.8	146.7	145.8
172.5°	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2	146.2	145.3	144.9
175°	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0	144.1	143.8	143.8
177.5°	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4	143.2	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1026.2	1023.9	1021.1	1016.4	1010.6	1007.5	1002.8	999.8	993.7	988.6	983.2
5°	1078.2	1067.2	1057.1	1044.0	1029.6	1020.3	1009.3	996.9	984.3	971.2	956.8
7.5°	1132.2	1112.7	1091.5	1068.8	1046.5	1026.1	1006.5	987.2	969.3	947.6	929.3
10°	1168.4	1143.9	1117.6	1086.7	1056.7	1030.5	1003.8	980.5	956.8	931.4	908.9
12.5°	1204.7	1172.0	1134.9	1101.0	1064.8	1033.1	1001.8	972.0	942.2	914.1	887.9
15°	1230.3	1201.4	1167.2	1118.9	1078.2	1034.7	993.2	954.6	918.7	887.4	854.4
17.5°	1247.1	1210.0	1173.2	1126.9	1073.6	1024.8	977.9	933.8	893.2	853.5	821.7
20°	1250.2	1212.0	1173.5	1128.2	1073.6	1017.7	970.8	917.8	874.2	833.2	794.2
22.5°	1249.1	1206.0	1164.0	1117.4	1064.1	1012.7	955.9	901.9	854.6	814.2	773.6
25°	1239.6	1193.4	1140.9	1094.0	1041.5	986.8	929.3	873.3	825.1	778.9	738.7
27.5°	1231.6	1171.7	1112.3	1057.5	1006.8	956.8	901.6	844.4	790.9	744.1	706.2
30°	1221.8	1156.2	1089.2	1032.1	980.1	931.4	879.3	823.5	767.5	721.8	681.2
32.5°	1213.0	1136.5	1065.9	1003.7	948.5	901.2	853.2	800.1	745.2	698.8	658.1
35°	1196.0	1107.5	1026.6	956.3	897.5	848.8	808.6	759.0	708.7	663.8	624.8
37.5°	1174.4	1069.3	982.6	908.9	844.4	793.1	755.7	717.6	669.3	626.1	590.8
40°	1157.4	1042.3	950.4	875.1	808.2	754.8	720.2	684.1	643.9	603.7	566.5
42.5°	1136.1	1017.9	917.9	836.8	770.5	718.6	682.2	651.6	616.1	578.6	544.0
45°	1096.9	973.7	865.4	778.1	711.2	660.0	622.3	599.5	572.8	537.2	508.0
47.5°	1039.3	920.6	808.5	718.5	649.5	602.0	566.7	544.8	525.9	499.5	473.0
50°	988.1	881.0	767.5	678.2	609.2	561.3	528.8	508.8	492.8	472.5	450.0
52.5°	930.8	831.2	727.2	639.0	570.6	523.4	491.5	474.0	460.6	446.1	424.0
55°	839.9	755.3	658.8	574.9	511.8	465.7	437.7	422.5	411.5	400.5	386.9
57.5°	739.7	673.5	588.0	511.4	453.3	411.3	385.2	370.4	361.9	356.2	348.2
60°	669.3	612.6	538.9	469.0	412.4	375.1	349.7	338.3	331.1	326.4	320.5
62.5°	604.0	557.4	489.1	425.3	375.8	340.6	317.9	306.8	299.9	297.6	292.7
65°	507.6	471.7	415.3	362.4	320.1	290.0	270.9	260.3	256.1	253.6	254.0
67.5°	412.7	390.8	345.5	300.4	266.6	241.4	226.2	218.0	215.9	212.5	212.5
70°	354.7	338.3	300.2	260.8	230.7	211.2	197.7	189.2	187.1	185.4	185.0
72.5°	303.6	289.2	256.1	224.5	197.5	180.4	169.3	164.2	160.7	159.7	159.6
75°	228.2	220.1	193.9	168.9	150.3	138.4	130.9	126.1	123.6	123.2	123.6
77.5°	162.2	155.2	138.5	120.8	109.1	100.1	93.7	92.0	89.2	89.3	88.8
80°	121.9	117.2	106.7	92.7	83.0	75.3	72.0	69.0	68.2	66.9	68.2
82.5°	88.4	83.4	76.2	67.3	59.3	54.7	51.3	50.4	49.9	49.2	49.6
85°	43.6	44.0	39.8	33.0	29.6	27.1	24.9	24.9	24.5	24.1	24.5
87.5°	15.7	14.8	13.5	12.3	10.5	9.4	8.9	9.2	8.2	8.0	8.5
90°	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3	0.6	1.1	1.7
92.5°	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5	4.2	6.7	10.3
95°	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5	9.8	12.1	15.2
97.5°	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8	16.1	17.8	21.0
100°	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1	20.7	21.9	25.0
102.5°	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0	25.4	26.3	29.7
105°	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5	32.5	34.0	36.9
107.5°	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9	40.5	41.9	44.3
110°	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2	45.8	47.0	49.6



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5	51.1	52.0	54.6
115°	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2	58.8	59.7	62.2
117.5°	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1	66.0	66.9	69.5
120°	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7	70.6	71.7	74.4
122.5°	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6	75.2	76.1	78.8
125°	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7	81.3	82.7	85.3
127.5°	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4	86.3	88.1	91.5
130°	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5	89.4	91.6	95.4
132.5°	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7	91.9	94.7	98.8
135°	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5	95.6	99.1	103.7
137.5°	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2	100.1	103.3	107.9
140°	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0	102.9	106.3	111.0
142.5°	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3	105.8	109.1	113.7
145°	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1	110.6	113.5	117.6
147.5°	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1	115.4	118.0	121.7
150°	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1	118.7	120.7	124.5
152.5°	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4	121.7	123.5	126.8
155°	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6	125.6	127.3	130.2
157.5°	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5	129.4	130.8	133.2
160°	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0	131.7	132.8	134.9
162.5°	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0	133.8	134.9	136.7
165°	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1	136.6	137.5	138.8
167.5°	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3	138.9	139.5	140.2
170°	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6	140.3	140.6	141.2
172.5°	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5	141.0	141.3	141.9
175°	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6	142.0	142.4	142.6
177.5°	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2	142.7	142.7	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	980.2	976.4	973.4	966.6	962.9	957.8	953.7	958.1	953.4	955.4	952.4
5°	949.6	937.8	929.3	917.0	906.4	896.7	889.5	888.2	884.8	883.1	878.0
7.5°	912.8	898.0	883.5	867.4	853.8	840.0	831.2	823.9	819.1	812.8	808.5
10°	891.1	871.2	854.4	834.9	817.9	803.1	791.2	785.3	779.8	771.8	768.8
12.5°	864.4	843.8	823.1	802.3	786.1	769.6	759.4	750.4	746.7	737.5	736.6
15°	832.3	801.4	781.1	759.9	737.4	723.9	715.4	705.7	701.5	695.1	690.5
17.5°	794.0	766.5	741.0	719.1	699.9	688.4	677.9	671.2	664.0	659.8	652.2
20°	766.3	740.0	714.6	691.3	676.5	663.4	654.9	648.6	641.0	638.9	631.2
22.5°	742.9	714.0	689.6	670.0	653.8	639.0	629.8	625.6	620.3	613.8	612.2
25°	704.9	674.8	654.1	634.6	620.2	606.7	600.3	594.8	589.7	585.1	583.3
27.5°	672.1	645.1	620.5	602.9	590.4	578.0	572.4	565.7	562.1	558.3	553.8
30°	649.0	621.5	599.9	582.9	569.4	558.4	552.4	547.8	544.5	541.0	538.5
32.5°	625.3	599.8	578.9	562.3	548.8	540.5	535.2	531.9	528.2	524.1	520.9
35°	593.9	566.0	545.7	531.3	520.7	514.4	508.4	505.5	501.2	501.2	497.8
37.5°	558.6	534.5	516.6	503.4	494.0	488.3	481.8	479.8	477.1	475.3	474.2
40°	537.7	515.2	498.3	485.2	475.0	470.3	465.3	461.9	460.2	458.0	457.2
42.5°	516.0	494.6	478.3	466.2	457.4	453.4	448.7	446.3	442.9	440.1	439.6
45°	483.1	462.3	447.5	437.7	430.2	425.5	422.5	417.4	415.7	412.4	411.9
47.5°	451.8	431.9	417.4	409.4	402.7	398.8	394.2	389.1	387.2	385.5	385.3
50°	428.4	410.3	396.6	389.1	382.7	377.2	372.5	369.2	367.9	367.9	368.8
52.5°	404.7	389.2	377.7	368.4	362.4	356.5	352.2	350.2	348.2	350.3	351.8
55°	370.0	354.3	345.8	337.0	331.1	324.2	322.2	321.3	320.1	323.4	325.1
57.5°	333.3	322.3	312.3	303.5	298.2	294.3	291.5	290.9	293.3	294.9	300.4
60°	309.9	297.2	288.3	281.5	275.2	272.6	271.8	270.9	272.6	277.3	284.5
62.5°	284.1	273.9	264.2	259.2	254.5	250.3	250.1	250.6	254.0	259.3	266.5
65°	246.4	237.5	231.1	225.2	221.4	218.9	219.7	221.4	225.2	232.4	240.4
67.5°	208.1	201.9	196.2	191.4	187.8	187.8	188.7	191.2	195.7	204.0	211.3
70°	183.3	176.5	171.9	169.7	166.8	165.1	167.6	171.9	175.7	183.3	189.6
72.5°	158.6	152.9	149.2	147.7	146.5	145.1	145.9	150.5	155.7	163.3	170.7
75°	121.9	119.8	117.2	115.6	114.3	115.1	116.0	120.3	124.5	132.5	141.0
77.5°	88.9	86.7	85.3	84.9	84.1	84.5	87.0	90.1	94.2	100.1	106.5
80°	67.3	66.4	65.6	65.2	65.2	65.6	69.0	71.1	74.9	80.5	85.5
82.5°	49.0	48.5	48.3	48.3	48.6	48.7	50.7	53.5	56.7	60.8	65.2
85°	25.8	24.9	26.3	26.7	25.8	27.1	28.0	29.6	30.9	33.0	35.1
87.5°	9.0	9.7	9.5	9.9	9.9	10.8	10.4	11.9	12.6	13.4	13.1
90°	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2	5.5	5.8	6.4
92.5°	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0	37.0	27.9	23.6
95°	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2	163.4	127.9	103.7
97.5°	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5	277.9	243.3	209.6
100°	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4	340.3	310.6	280.6
102.5°	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8	378.5	364.4	344.1
105°	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8	400.2	412.9	409.8
107.5°	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2	380.9	413.4	428.5
110°	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3	359.1	399.7	424.1



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4	337.4	378.5	407.3
115°	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6	306.3	345.8	377.2
117.5°	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3	284.8	318.8	347.6
120°	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0	272.6	304.3	329.6
122.5°	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8	263.8	292.0	315.8
125°	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7	252.1	277.2	297.9
127.5°	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5	240.9	264.3	283.7
130°	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7	233.1	255.6	274.3
132.5°	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9	225.8	246.1	264.2
135°	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5	214.3	232.8	249.2
137.5°	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2	204.2	219.6	233.5
140°	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7	198.2	211.5	223.6
142.5°	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7	193.1	204.6	215.1
145°	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8	186.7	195.7	203.4
147.5°	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1	181.3	188.3	194.1
150°	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0	178.4	183.8	189.0
152.5°	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7	175.4	180.3	184.4
155°	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2	170.9	174.9	178.1
157.5°	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8	166.6	169.7	172.2
160°	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5	163.4	166.2	168.3
162.5°	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9	160.6	163.1	164.9
165°	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4	156.5	158.2	159.6
167.5°	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1	152.5	153.8	154.8
170°	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3	150.1	151.0	151.6
172.5°	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2	148.1	148.7	149.0
175°	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0	145.0	145.5	145.5
177.5°	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4	143.6	143.6	143.6
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	950.3	952.7	950.6	953.4	950.6	952.7	950.3	952.4	955.4	953.4	958.1
5°	875.9	872.1	874.7	872.9	874.7	872.1	875.9	878.0	883.1	884.8	888.2
7.5°	807.1	803.5	799.4	797.4	799.4	803.5	807.1	808.5	812.8	819.1	823.9
10°	764.2	759.5	759.0	756.1	759.0	759.5	764.2	768.8	771.8	779.8	785.3
12.5°	732.6	728.3	723.5	722.3	723.5	728.3	732.6	736.6	737.5	746.7	750.4
15°	687.9	684.5	681.6	684.1	681.6	684.5	687.9	690.5	695.1	701.5	705.7
17.5°	650.8	648.0	647.4	644.3	647.4	648.0	650.8	652.2	659.8	664.0	671.2
20°	627.4	625.3	626.1	620.6	626.1	625.3	627.4	631.2	638.9	641.0	648.6
22.5°	608.8	604.6	604.1	603.0	604.1	604.6	608.8	612.2	613.8	620.3	625.6
25°	579.6	577.5	575.4	577.5	575.4	577.5	579.6	583.3	585.1	589.7	594.8
27.5°	554.1	551.5	551.0	551.2	551.0	551.5	554.1	553.8	558.3	562.1	565.7
30°	538.5	534.3	534.7	534.3	534.7	534.3	538.5	538.5	541.0	544.5	547.8
32.5°	521.5	518.7	518.1	517.3	518.1	518.7	521.5	520.9	524.1	528.2	531.9
35°	496.6	496.6	494.5	494.5	494.5	496.6	496.6	497.8	501.2	501.2	505.5
37.5°	473.1	472.7	471.4	471.7	471.4	472.7	473.1	474.2	475.3	477.1	479.8
40°	455.5	455.1	453.8	451.3	453.8	455.1	455.5	457.2	458.0	460.2	461.9
42.5°	438.5	437.2	436.6	435.7	436.6	437.2	438.5	439.6	440.1	442.9	446.3
45°	411.9	411.9	411.1	410.7	411.1	411.9	411.9	411.9	412.4	415.7	417.4
47.5°	386.0	386.8	388.4	388.2	388.4	386.8	386.0	385.3	385.5	387.2	389.1
50°	370.4	370.9	372.1	372.5	372.1	370.9	370.4	368.8	367.9	367.9	369.2
52.5°	353.2	355.6	357.2	356.9	357.2	355.6	353.2	351.8	350.3	348.2	350.2
55°	329.0	331.9	334.8	335.3	334.8	331.9	329.0	325.1	323.4	320.1	321.3
57.5°	305.0	309.2	312.3	313.2	312.3	309.2	305.0	300.4	294.9	293.3	290.9
60°	288.7	294.2	298.1	299.7	298.1	294.2	288.7	284.5	277.3	272.6	270.9
62.5°	273.1	279.3	283.2	283.5	283.2	279.3	273.1	266.5	259.3	254.0	250.6
65°	247.7	254.0	257.4	259.9	257.4	254.0	247.7	240.4	232.4	225.2	221.4
67.5°	220.2	226.6	230.3	232.4	230.3	226.6	220.2	211.3	204.0	195.7	191.2
70°	200.2	206.6	211.7	213.4	211.7	206.6	200.2	189.6	183.3	175.7	171.9
72.5°	180.6	186.3	190.4	192.3	190.4	186.3	180.6	170.7	163.3	155.7	150.5
75°	146.5	154.1	157.9	160.0	157.9	154.1	146.5	141.0	132.5	124.5	120.3
77.5°	112.9	119.9	122.2	123.3	122.2	119.9	112.9	106.5	100.1	94.2	90.1
80°	90.6	94.8	97.8	98.2	97.8	94.8	90.6	85.5	80.5	74.9	71.1
82.5°	69.6	73.1	74.1	75.2	74.1	73.1	69.6	65.2	60.8	56.7	53.5
85°	38.1	39.8	40.2	39.8	40.2	39.8	38.1	35.1	33.0	30.9	29.6
87.5°	13.8	13.5	13.5	14.2	13.5	13.5	13.8	13.1	13.4	12.6	11.9
90°	6.4	6.4	6.6	6.6	6.6	6.4	6.4	6.4	5.8	5.5	5.2
92.5°	20.0	19.2	18.8	18.3	18.8	19.2	20.0	23.6	27.9	37.0	51.0
95°	83.2	74.6	72.3	67.8	72.3	74.6	83.2	103.7	127.9	163.4	207.2
97.5°	191.8	175.7	167.4	163.6	167.4	175.7	191.8	209.6	243.3	277.9	308.5
100°	260.7	240.0	229.3	224.8	229.3	240.0	260.7	280.6	310.6	340.3	354.4
102.5°	322.8	308.0	296.4	293.0	296.4	308.0	322.8	344.1	364.4	378.5	369.8
105°	400.5	391.0	385.2	381.8	385.2	391.0	400.5	409.8	412.9	400.2	360.8
107.5°	433.2	433.2	431.2	428.9	431.2	433.2	433.2	428.5	413.4	380.9	328.2
110°	437.1	442.5	444.6	444.6	444.6	442.5	437.1	424.1	399.7	359.1	304.3



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	426.2	435.7	440.7	442.8	440.7	435.7	426.2	407.3	378.5	337.4	285.4
115°	399.7	413.4	421.5	425.3	421.5	413.4	399.7	377.2	345.8	306.3	261.6
117.5°	370.1	384.4	392.4	394.7	392.4	384.4	370.1	347.6	318.8	284.8	246.3
120°	351.0	364.8	372.6	374.9	372.6	364.8	351.0	329.6	304.3	272.6	238.0
122.5°	334.8	347.5	355.3	357.3	355.3	347.5	334.8	315.8	292.0	263.8	231.8
125°	314.1	325.9	332.2	335.1	332.2	325.9	314.1	297.9	277.2	252.1	222.7
127.5°	298.4	308.8	314.8	316.1	314.8	308.8	298.4	283.7	264.3	240.9	213.5
130°	288.7	298.2	304.0	305.7	304.0	298.2	288.7	274.3	255.6	233.1	207.7
132.5°	278.6	288.0	293.3	295.3	293.3	288.0	278.6	264.2	246.1	225.8	201.9
135°	262.0	271.4	276.6	278.3	276.6	271.4	262.0	249.2	232.8	214.3	194.5
137.5°	244.8	253.5	258.3	260.2	258.3	253.5	244.8	233.5	219.6	204.2	188.2
140°	234.2	241.7	246.1	247.5	246.1	241.7	234.2	223.6	211.5	198.2	184.7
142.5°	224.1	230.5	234.6	235.8	234.6	230.5	224.1	215.1	204.6	193.1	181.7
145°	210.3	215.2	218.4	219.6	218.4	215.2	210.3	203.4	195.7	186.7	177.8
147.5°	199.6	203.5	205.3	205.9	205.3	203.5	199.6	194.1	188.3	181.3	174.1
150°	193.3	196.8	198.0	198.2	198.0	196.8	193.3	189.0	183.8	178.4	172.0
152.5°	188.0	190.8	191.9	192.2	191.9	190.8	188.0	184.4	180.3	175.4	169.7
155°	180.9	183.0	183.8	184.1	183.8	183.0	180.9	178.1	174.9	170.9	166.2
157.5°	174.5	176.1	176.9	176.8	176.9	176.1	174.5	172.2	169.7	166.6	162.8
160°	170.3	171.7	172.3	172.0	172.3	171.7	170.3	168.3	166.2	163.4	160.5
162.5°	166.4	167.5	167.7	167.6	167.7	167.5	166.4	164.9	163.1	160.6	157.9
165°	160.8	161.3	161.3	161.3	161.3	161.3	160.8	159.6	158.2	156.5	154.4
167.5°	155.4	155.9	155.6	155.6	155.6	155.9	155.4	154.8	153.8	152.5	151.1
170°	152.1	152.5	152.5	152.1	152.5	152.5	152.1	151.6	151.0	150.1	149.3
172.5°	149.1	149.7	149.2	148.9	149.2	149.7	149.1	149.0	148.7	148.1	147.2
175°	145.5	145.8	145.2	145.0	145.2	145.8	145.5	145.5	145.5	145.0	145.0
177.5°	143.4	143.6	142.9	142.9	142.9	143.6	143.4	143.6	143.6	143.6	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	953.7	957.8	962.9	966.6	973.4	976.4	980.2	983.2	988.6	993.7	999.8
5°	889.5	896.7	906.4	917.0	929.3	937.8	949.6	956.8	971.2	984.3	996.9
7.5°	831.2	840.0	853.8	867.4	883.5	898.0	912.8	929.3	947.6	969.3	987.2
10°	791.2	803.1	817.9	834.9	854.4	871.2	891.1	908.9	931.4	956.8	980.5
12.5°	759.4	769.6	786.1	802.3	823.1	843.8	864.4	887.9	914.1	942.2	972.0
15°	715.4	723.9	737.4	759.9	781.1	801.4	832.3	854.4	887.4	918.7	954.6
17.5°	677.9	688.4	699.9	719.1	741.0	766.5	794.0	821.7	853.5	893.2	933.8
20°	654.9	663.4	676.5	691.3	714.6	740.0	766.3	794.2	833.2	874.2	917.8
22.5°	629.8	639.0	653.8	670.0	689.6	714.0	742.9	773.6	814.2	854.6	901.9
25°	600.3	606.7	620.2	634.6	654.1	674.8	704.9	738.7	778.9	825.1	873.3
27.5°	572.4	578.0	590.4	602.9	620.5	645.1	672.1	706.2	744.1	790.9	844.4
30°	552.4	558.4	569.4	582.9	599.9	621.5	649.0	681.2	721.8	767.5	823.5
32.5°	535.2	540.5	548.8	562.3	578.9	599.8	625.3	658.1	698.8	745.2	800.1
35°	508.4	514.4	520.7	531.3	545.7	566.0	593.9	624.8	663.8	708.7	759.0
37.5°	481.8	488.3	494.0	503.4	516.6	534.5	558.6	590.8	626.1	669.3	717.6
40°	465.3	470.3	475.0	485.2	498.3	515.2	537.7	566.5	603.7	643.9	684.1
42.5°	448.7	453.4	457.4	466.2	478.3	494.6	516.0	544.0	578.6	616.1	651.6
45°	422.5	425.5	430.2	437.7	447.5	462.3	483.1	508.0	537.2	572.8	599.5
47.5°	394.2	398.8	402.7	409.4	417.4	431.9	451.8	473.0	499.5	525.9	544.8
50°	372.5	377.2	382.7	389.1	396.6	410.3	428.4	450.0	472.5	492.8	508.8
52.5°	352.2	356.5	362.4	368.4	377.7	389.2	404.7	424.0	446.1	460.6	474.0
55°	322.2	324.2	331.1	337.0	345.8	354.3	370.0	386.9	400.5	411.5	422.5
57.5°	291.5	294.3	298.2	303.5	312.3	322.3	333.3	348.2	356.2	361.9	370.4
60°	271.8	272.6	275.2	281.5	288.3	297.2	309.9	320.5	326.4	331.1	338.3
62.5°	250.1	250.3	254.5	259.2	264.2	273.9	284.1	292.7	297.6	299.9	306.8
65°	219.7	218.9	221.4	225.2	231.1	237.5	246.4	254.0	253.6	256.1	260.3
67.5°	188.7	187.8	187.8	191.4	196.2	201.9	208.1	212.5	212.5	215.9	218.0
70°	167.6	165.1	166.8	169.7	171.9	176.5	183.3	185.0	185.4	187.1	189.2
72.5°	145.9	145.1	146.5	147.7	149.2	152.9	158.6	159.6	159.7	160.7	164.2
75°	116.0	115.1	114.3	115.6	117.2	119.8	121.9	123.6	123.2	123.6	126.1
77.5°	87.0	84.5	84.1	84.9	85.3	86.7	88.9	88.8	89.3	89.2	92.0
80°	69.0	65.6	65.2	65.2	65.6	66.4	67.3	68.2	66.9	68.2	69.0
82.5°	50.7	48.7	48.6	48.3	48.3	48.5	49.0	49.6	49.2	49.9	50.4
85°	28.0	27.1	25.8	26.7	26.3	24.9	25.8	24.5	24.1	24.5	24.9
87.5°	10.4	10.8	9.9	9.9	9.5	9.7	9.0	8.5	8.0	8.2	9.2
90°	4.9	4.6	4.0	3.8	3.2	2.9	2.3	1.7	1.1	0.6	0.3
92.5°	75.2	92.9	94.4	65.7	39.4	23.6	15.2	10.3	6.7	4.2	3.5
95°	249.8	255.3	208.3	128.8	65.4	34.6	21.6	15.2	12.1	9.8	9.5
97.5°	316.1	272.6	186.1	102.8	56.3	36.0	26.7	21.0	17.8	16.1	15.8
100°	332.2	260.2	166.0	93.4	55.9	39.2	30.6	25.0	21.9	20.7	20.1
102.5°	322.5	238.3	150.7	89.4	58.0	43.1	34.7	29.7	26.3	25.4	25.0
105°	291.6	208.9	136.0	87.9	62.2	49.6	41.5	36.9	34.0	32.5	32.5
107.5°	260.0	188.7	129.8	90.5	68.6	56.3	49.1	44.3	41.9	40.5	39.9
110°	242.1	179.2	127.9	93.1	73.2	61.4	53.9	49.6	47.0	45.8	45.2



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	228.7	173.7	127.9	96.3	77.5	66.2	58.9	54.6	52.0	51.1	50.5
115°	214.1	167.7	128.8	101.1	84.5	73.8	66.5	62.2	59.7	58.8	58.2
117.5°	205.4	164.8	130.7	106.6	91.5	81.4	74.4	69.5	66.9	66.0	65.1
120°	200.6	163.4	132.6	110.4	96.5	86.4	79.2	74.4	71.7	70.6	69.7
122.5°	196.4	162.2	134.1	114.5	101.3	91.3	84.1	78.8	76.1	75.2	74.6
125°	190.8	160.8	136.9	120.2	107.8	98.2	90.7	85.3	82.7	81.3	80.7
127.5°	185.6	160.1	139.9	125.3	113.9	104.8	97.3	91.5	88.1	86.3	85.4
130°	182.1	159.6	141.8	128.8	117.8	108.9	101.4	95.4	91.6	89.4	88.5
132.5°	179.4	159.6	143.8	131.8	121.6	112.6	105.1	98.8	94.7	91.9	90.7
135°	176.0	159.6	146.7	136.0	126.5	117.6	109.8	103.7	99.1	95.6	94.5
137.5°	173.1	160.0	149.3	139.1	130.0	121.9	113.9	107.9	103.3	100.1	99.2
140°	171.7	160.2	150.4	141.2	132.6	124.2	116.4	111.0	106.3	102.9	102.0
142.5°	170.6	160.5	151.1	142.4	134.1	126.3	119.0	113.7	109.1	105.8	105.3
145°	168.8	160.2	151.8	144.1	136.9	129.4	122.8	117.6	113.5	110.6	110.1
147.5°	167.1	159.5	152.1	145.1	138.6	132.0	126.2	121.7	118.0	115.4	115.1
150°	165.7	158.7	152.1	145.8	139.7	133.4	128.5	124.5	120.7	118.7	118.1
152.5°	164.0	157.8	151.9	146.3	140.9	135.0	130.6	126.8	123.5	121.7	121.4
155°	161.3	156.2	151.2	146.7	142.0	137.1	133.1	130.2	127.3	125.6	125.6
157.5°	158.8	154.4	150.5	146.9	143.0	138.8	135.7	133.2	130.8	129.4	129.5
160°	156.8	153.3	149.9	146.9	143.5	139.7	137.1	134.9	132.8	131.7	132.0
162.5°	154.9	151.9	149.1	146.8	144.0	140.6	138.5	136.7	134.9	133.8	134.0
165°	152.1	149.9	148.1	146.3	144.1	141.8	140.1	138.8	137.5	136.6	137.1
167.5°	149.4	147.8	146.5	145.7	144.1	142.2	141.0	140.2	139.5	138.9	139.3
170°	147.8	146.7	145.8	145.2	144.1	142.6	141.8	141.2	140.6	140.3	140.6
172.5°	146.2	145.3	144.9	144.8	143.8	142.6	142.2	141.9	141.3	141.0	141.5
175°	144.1	143.8	143.8	144.1	143.5	142.6	142.6	142.6	142.4	142.0	142.6
177.5°	143.2	142.9	142.9	143.4	143.2	142.7	142.7	142.9	142.7	142.7	143.2
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1002.8	1007.5	1010.6	1016.4	1021.1	1023.9	1026.2	1028.3	1030.6	1032.7	1038.4
5°	1009.3	1020.3	1029.6	1044.0	1057.1	1067.2	1078.2	1088.0	1096.1	1107.5	1116.4
7.5°	1006.5	1026.1	1046.5	1068.8	1091.5	1112.7	1132.2	1150.4	1166.9	1186.9	1204.4
10°	1003.8	1030.5	1056.7	1086.7	1117.6	1143.9	1168.4	1193.4	1211.6	1237.1	1258.6
12.5°	1001.8	1033.1	1064.8	1101.0	1134.9	1172.0	1204.7	1222.9	1250.6	1270.9	1296.6
15°	993.2	1034.7	1078.2	1118.9	1167.2	1201.4	1230.3	1265.8	1291.6	1317.4	1345.4
17.5°	977.9	1024.8	1073.6	1126.9	1173.2	1210.0	1247.1	1281.4	1312.2	1346.9	1381.6
20°	970.8	1017.7	1073.6	1128.2	1173.5	1212.0	1250.2	1287.8	1321.7	1366.1	1406.4
22.5°	955.9	1012.7	1064.1	1117.4	1164.0	1206.0	1249.1	1291.9	1336.9	1387.2	1437.5
25°	929.3	986.8	1041.5	1094.0	1140.9	1193.4	1239.6	1296.7	1354.3	1420.7	1483.4
27.5°	901.6	956.8	1006.8	1057.5	1112.3	1171.7	1231.6	1296.5	1371.8	1455.7	1544.1
30°	879.3	931.4	980.1	1032.1	1089.2	1156.2	1221.8	1298.9	1386.0	1480.4	1585.4
32.5°	853.2	901.2	948.5	1003.7	1065.9	1136.5	1213.0	1297.5	1402.3	1509.6	1617.6
35°	808.6	848.8	897.5	956.3	1026.6	1107.5	1196.0	1295.8	1416.1	1539.3	1630.4
37.5°	755.7	793.1	844.4	908.9	982.6	1069.3	1174.4	1292.9	1420.6	1518.8	1548.2
40°	720.2	754.8	808.2	875.1	950.4	1042.3	1157.4	1282.7	1406.4	1469.0	1444.9
42.5°	682.2	718.6	770.5	836.8	917.9	1017.9	1136.1	1261.4	1365.1	1388.8	1305.4
45°	622.3	660.0	711.2	778.1	865.4	973.7	1096.9	1210.8	1270.5	1227.7	1098.6
47.5°	566.7	602.0	649.5	718.5	808.5	920.6	1039.3	1130.1	1134.8	1032.8	894.9
50°	528.8	561.3	609.2	678.2	767.5	881.0	988.1	1059.6	1027.4	911.9	779.3
52.5°	491.5	523.4	570.6	639.0	727.2	831.2	930.8	981.0	920.5	801.8	688.6
55°	437.7	465.7	511.8	574.9	658.8	755.3	839.9	857.3	778.5	661.7	569.8
57.5°	385.2	411.3	453.3	511.4	588.0	673.5	739.7	736.1	652.8	552.5	479.6
60°	349.7	375.1	412.4	469.0	538.9	612.6	669.3	655.7	573.2	486.8	425.5
62.5°	317.9	340.6	375.8	425.3	489.1	557.4	604.0	584.0	503.1	427.5	379.0
65°	270.9	290.0	320.1	362.4	415.3	471.7	507.6	481.8	412.8	353.9	315.0
67.5°	226.2	241.4	266.6	300.4	345.5	390.8	412.7	386.7	331.5	288.5	259.7
70°	197.7	211.2	230.7	260.8	300.2	338.3	354.7	331.5	284.1	247.2	226.5
72.5°	169.3	180.4	197.5	224.5	256.1	289.2	303.6	281.4	242.4	211.3	191.9
75°	130.9	138.4	150.3	168.9	193.9	220.1	228.2	208.7	183.8	160.5	147.7
77.5°	93.7	100.1	109.1	120.8	138.5	155.2	162.2	151.0	131.7	116.9	106.5
80°	72.0	75.3	83.0	92.7	106.7	117.2	121.9	114.7	101.2	90.2	82.1
82.5°	51.3	54.7	59.3	67.3	76.2	83.4	88.4	83.6	73.8	65.1	60.4
85°	24.9	27.1	29.6	33.0	39.8	44.0	43.6	40.6	36.9	33.4	30.9
87.5°	8.9	9.4	10.5	12.3	13.5	14.8	15.7	15.0	13.8	12.8	11.9
90°	0.6	1.1	1.7	2.3	2.9	3.2	3.8	4.0	4.6	4.9	5.2
92.5°	4.2	6.7	10.3	15.2	23.6	39.4	65.7	94.4	92.9	75.2	51.0
95°	9.8	12.1	15.2	21.6	34.6	65.4	128.8	208.3	255.3	249.8	207.2
97.5°	16.1	17.8	21.0	26.7	36.0	56.3	102.8	186.1	272.6	316.1	308.5
100°	20.7	21.9	25.0	30.6	39.2	55.9	93.4	166.0	260.2	332.2	354.4
102.5°	25.4	26.3	29.7	34.7	43.1	58.0	89.4	150.7	238.3	322.5	369.8
105°	32.5	34.0	36.9	41.5	49.6	62.2	87.9	136.0	208.9	291.6	360.8
107.5°	40.5	41.9	44.3	49.1	56.3	68.6	90.5	129.8	188.7	260.0	328.2
110°	45.8	47.0	49.6	53.9	61.4	73.2	93.1	127.9	179.2	242.1	304.3



TEST NUMBER: P333207-930

CATALOG NUMBER: S125DIP-S850D365U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.0	54.6	58.9	66.2	77.5	96.3	127.9	173.7	228.7	285.4
115°	58.8	59.7	62.2	66.5	73.8	84.5	101.1	128.8	167.7	214.1	261.6
117.5°	66.0	66.9	69.5	74.4	81.4	91.5	106.6	130.7	164.8	205.4	246.3
120°	70.6	71.7	74.4	79.2	86.4	96.5	110.4	132.6	163.4	200.6	238.0
122.5°	75.2	76.1	78.8	84.1	91.3	101.3	114.5	134.1	162.2	196.4	231.8
125°	81.3	82.7	85.3	90.7	98.2	107.8	120.2	136.9	160.8	190.8	222.7
127.5°	86.3	88.1	91.5	97.3	104.8	113.9	125.3	139.9	160.1	185.6	213.5
130°	89.4	91.6	95.4	101.4	108.9	117.8	128.8	141.8	159.6	182.1	207.7
132.5°	91.9	94.7	98.8	105.1	112.6	121.6	131.8	143.8	159.6	179.4	201.9
135°	95.6	99.1	103.7	109.8	117.6	126.5	136.0	146.7	159.6	176.0	194.5
137.5°	100.1	103.3	107.9	113.9	121.9	130.0	139.1	149.3	160.0	173.1	188.2
140°	102.9	106.3	111.0	116.4	124.2	132.6	141.2	150.4	160.2	171.7	184.7
142.5°	105.8	109.1	113.7	119.0	126.3	134.1	142.4	151.1	160.5	170.6	181.7
145°	110.6	113.5	117.6	122.8	129.4	136.9	144.1	151.8	160.2	168.8	177.8
147.5°	115.4	118.0	121.7	126.2	132.0	138.6	145.1	152.1	159.5	167.1	174.1
150°	118.7	120.7	124.5	128.5	133.4	139.7	145.8	152.1	158.7	165.7	172.0
152.5°	121.7	123.5	126.8	130.6	135.0	140.9	146.3	151.9	157.8	164.0	169.7
155°	125.6	127.3	130.2	133.1	137.1	142.0	146.7	151.2	156.2	161.3	166.2
157.5°	129.4	130.8	133.2	135.7	138.8	143.0	146.9	150.5	154.4	158.8	162.8
160°	131.7	132.8	134.9	137.1	139.7	143.5	146.9	149.9	153.3	156.8	160.5
162.5°	133.8	134.9	136.7	138.5	140.6	144.0	146.8	149.1	151.9	154.9	157.9
165°	136.6	137.5	138.8	140.1	141.8	144.1	146.3	148.1	149.9	152.1	154.4
167.5°	138.9	139.5	140.2	141.0	142.2	144.1	145.7	146.5	147.8	149.4	151.1
170°	140.3	140.6	141.2	141.8	142.6	144.1	145.2	145.8	146.7	147.8	149.3
172.5°	141.0	141.3	141.9	142.2	142.6	143.8	144.8	144.9	145.3	146.2	147.2
175°	142.0	142.4	142.6	142.6	142.6	143.5	144.1	143.8	143.8	144.1	145.0
177.5°	142.7	142.7	142.9	142.7	142.7	143.2	143.4	142.9	142.9	143.2	143.4
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9	142.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.1	1045.9	1051.6	1049.5	1052.3	1053.6	1055.0
5°	1127.4	1140.9	1146.9	1146.0	1154.9	1152.8	1150.6
7.5°	1222.5	1236.8	1244.7	1254.7	1260.4	1260.8	1265.8
10°	1276.4	1295.0	1302.7	1313.2	1320.0	1323.8	1323.4
12.5°	1317.7	1332.3	1349.4	1354.5	1363.7	1368.5	1366.8
15°	1367.4	1390.7	1408.5	1417.4	1428.8	1432.2	1436.9
17.5°	1411.8	1443.0	1463.8	1491.3	1501.8	1508.1	1504.4
20°	1445.3	1486.4	1507.2	1540.2	1558.4	1568.1	1564.7
22.5°	1484.9	1529.4	1567.7	1596.4	1624.1	1637.2	1639.9
25°	1552.8	1613.8	1670.1	1707.8	1742.1	1750.1	1767.9
27.5°	1628.7	1700.6	1760.8	1800.4	1824.3	1833.3	1838.8
30°	1676.5	1748.0	1793.3	1818.7	1826.4	1825.5	1824.6
32.5°	1699.8	1744.7	1753.3	1746.2	1728.8	1714.1	1698.7
35°	1666.7	1633.3	1583.3	1519.0	1471.5	1423.8	1419.0
37.5°	1499.0	1392.0	1308.9	1216.0	1162.5	1129.4	1106.4
40°	1341.2	1219.7	1118.9	1040.6	985.9	964.4	943.2
42.5°	1169.8	1053.7	964.5	899.0	857.9	834.0	817.3
45°	950.4	848.0	778.1	730.7	698.1	679.5	668.9
47.5°	778.8	703.0	643.7	609.4	586.9	572.4	572.5
50°	686.6	614.2	574.9	547.8	528.3	516.9	519.0
52.5°	605.0	551.0	517.3	494.6	480.2	473.2	473.0
55°	505.9	466.9	444.9	428.4	418.7	410.7	412.4
57.5°	432.8	399.9	385.1	371.5	364.7	361.4	356.8
60°	387.3	362.0	349.3	338.3	331.5	329.0	324.2
62.5°	347.1	327.1	314.7	305.7	299.6	298.8	295.1
65°	291.7	276.5	265.5	261.2	254.9	253.2	253.2
67.5°	240.4	229.5	221.0	217.1	214.3	214.7	212.7
70°	208.3	199.4	193.9	189.6	187.5	187.9	186.3
72.5°	182.2	172.3	167.5	164.9	162.2	163.2	162.6
75°	138.0	132.9	130.4	127.8	126.1	125.3	124.5
77.5°	101.3	96.9	94.9	93.5	93.8	91.7	93.3
80°	78.4	74.5	73.2	71.1	70.7	70.7	70.3
82.5°	57.3	55.2	54.3	52.5	51.8	52.4	51.3
85°	29.6	28.0	27.6	27.6	26.7	25.8	28.0
87.5°	11.9	10.6	10.8	10.4	10.4	10.1	9.5
90°	5.5	5.8	6.4	6.4	6.4	6.6	6.6
92.5°	37.0	27.9	23.6	20.0	19.2	18.8	18.3
95°	163.4	127.9	103.7	83.2	74.6	72.3	67.8
97.5°	277.9	243.3	209.6	191.8	175.7	167.4	163.6
100°	340.3	310.6	280.6	260.7	240.0	229.3	224.8
102.5°	378.5	364.4	344.1	322.8	308.0	296.4	293.0
105°	400.2	412.9	409.8	400.5	391.0	385.2	381.8
107.5°	380.9	413.4	428.5	433.2	433.2	431.2	428.9
110°	359.1	399.7	424.1	437.1	442.5	444.6	444.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.4	378.5	407.3	426.2	435.7	440.7	442.8
115°	306.3	345.8	377.2	399.7	413.4	421.5	425.3
117.5°	284.8	318.8	347.6	370.1	384.4	392.4	394.7
120°	272.6	304.3	329.6	351.0	364.8	372.6	374.9
122.5°	263.8	292.0	315.8	334.8	347.5	355.3	357.3
125°	252.1	277.2	297.9	314.1	325.9	332.2	335.1
127.5°	240.9	264.3	283.7	298.4	308.8	314.8	316.1
130°	233.1	255.6	274.3	288.7	298.2	304.0	305.7
132.5°	225.8	246.1	264.2	278.6	288.0	293.3	295.3
135°	214.3	232.8	249.2	262.0	271.4	276.6	278.3
137.5°	204.2	219.6	233.5	244.8	253.5	258.3	260.2
140°	198.2	211.5	223.6	234.2	241.7	246.1	247.5
142.5°	193.1	204.6	215.1	224.1	230.5	234.6	235.8
145°	186.7	195.7	203.4	210.3	215.2	218.4	219.6
147.5°	181.3	188.3	194.1	199.6	203.5	205.3	205.9
150°	178.4	183.8	189.0	193.3	196.8	198.0	198.2
152.5°	175.4	180.3	184.4	188.0	190.8	191.9	192.2
155°	170.9	174.9	178.1	180.9	183.0	183.8	184.1
157.5°	166.6	169.7	172.2	174.5	176.1	176.9	176.8
160°	163.4	166.2	168.3	170.3	171.7	172.3	172.0
162.5°	160.6	163.1	164.9	166.4	167.5	167.7	167.6
165°	156.5	158.2	159.6	160.8	161.3	161.3	161.3
167.5°	152.5	153.8	154.8	155.4	155.9	155.6	155.6
170°	150.1	151.0	151.6	152.1	152.5	152.5	152.1
172.5°	148.1	148.7	149.0	149.1	149.7	149.2	148.9
175°	145.0	145.5	145.5	145.5	145.8	145.2	145.0
177.5°	143.6	143.6	143.6	143.4	143.6	142.9	142.9
180°	142.9	142.9	142.9	142.9	142.9	142.9	142.9

(END OF REPORT)