

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: P331957-927

Luminaire Tested: **S123DIP-S775D365U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331957-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D365U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 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: 3625.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

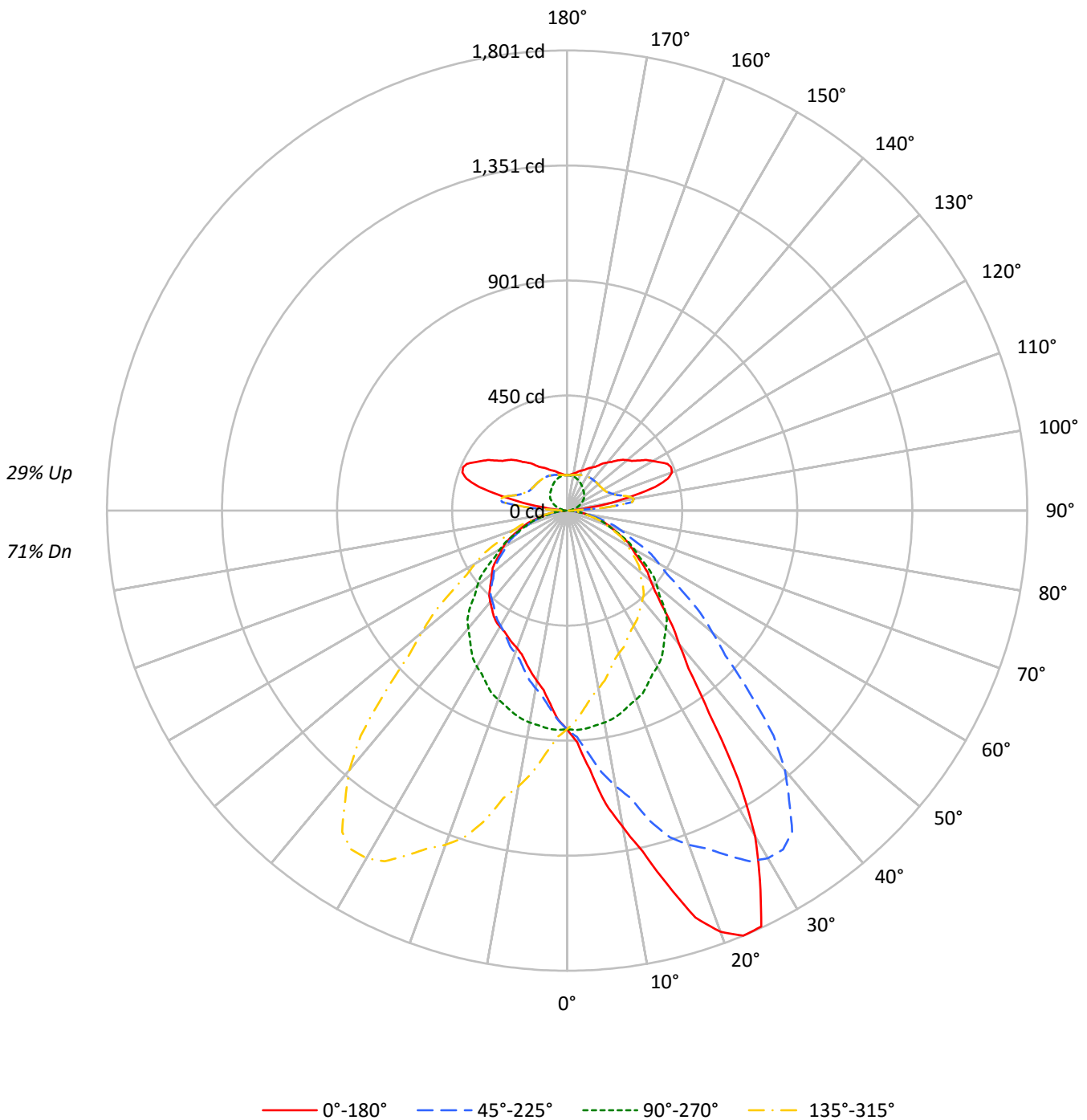
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	95	91	97	94	90	87	84	82	79	76	74	72	68	66	65	61
2	94	87	80	75	89	82	77	72	74	70	66	67	63	61	60	57	55	52
3	86	76	69	63	81	73	66	61	66	60	56	59	55	52	53	50	47	44
4	79	68	60	54	75	65	58	52	59	53	48	53	48	45	48	44	41	38
5	73	61	53	46	69	58	51	45	53	47	42	48	43	39	43	39	36	33
6	67	55	46	41	63	52	45	39	48	41	37	43	38	34	39	35	32	29
7	62	50	41	36	59	47	40	35	43	37	33	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	29	51	40	33	28	36	30	26	33	28	25	31	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9214	9214	9214	9214
5°	10988	9253	8200	9253
10°	13753	9206	7406	9206
15°	16868	9132	6896	9132
20°	20095	9016	6565	9016
25°	21338	8875	6492	8875
30°	18288	8772	6527	8772
35°	12720	8627	6594	8627
40°	9580	8455	6573	8455
45°	7954	8202	6491	8202
50°	7125	7681	6430	7681
55°	6662	7122	6351	7122
60°	6250	6536	6286	6536
65°	5873	5957	6082	5957
70°	5508	5297	5794	5297
75°	4932	4637	5311	4637
80°	4320	3806	4575	3806
85°	3384	2766	3075	2766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	2.3
10°-20°	270.4	7.5
20°-30°	453.8	12.5
30°-40°	513.8	14.2
40°-50°	460.8	12.7
50°-60°	371.8	10.3
60°-70°	259.1	7.1
70°-80°	136.2	3.8
80°-90°	34.4	0.9
90°-100°	77.0	2.1
100°-110°	217.9	6.0
110°-120°	214.4	5.9
120°-130°	171.0	4.7
130°-140°	134.8	3.7
140°-150°	100.6	2.8
150°-160°	70.1	1.9
160°-170°	41.2	1.1
170°-180°	13.4	0.4
0°-30°	808.5	22.3
0°-40°	1322.3	36.5
0°-60°	2154.9	59.4
0°-90°	2584.6	71.3
90°-120°	509.3	14.0
90°-150°	915.7	25.3
90°-180°	1040.0	28.7
0°-180°	3625.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	856	856	856	856	856	
5°	1017	856	759	856	1017	105
15°	1514	820	619	820	1514	437
25°	1797	747	547	747	1797	788
35°	968	656	502	656	968	629
45°	522	539	426	539	522	413
55°	355	380	338	380	355	319
65°	231	234	239	234	231	230
75°	119	112	128	112	119	127
85°	27	22	25	22	27	33
90°	8	1	8	1	8	6
95°	32	10	32	10	32	59
105°	356	32	356	32	356	351
115°	433	57	433	57	433	421
125°	342	80	342	80	342	309
135°	277	94	277	94	277	215
145°	216	107	216	107	216	138
155°	179	121	179	121	179	84
165°	156	132	156	132	156	45
175°	141	138	141	138	141	14
180°	138	138	138	138	138	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	908.4	907.8	906.1	907.4	904.8	901.1	900.8	897.5	887.8	887.2	884.6
5°	1016.9	1013.6	1013.2	1012.7	1006.9	999.1	984.1	982.9	963.0	953.0	941.0
7.5°	1157.4	1159.1	1153.1	1147.8	1130.0	1118.3	1102.3	1081.8	1057.4	1032.6	1016.1
10°	1258.3	1271.9	1255.0	1243.3	1232.6	1212.2	1188.6	1159.1	1129.7	1095.3	1069.1
12.5°	1366.4	1373.2	1369.8	1358.8	1342.0	1311.1	1269.2	1236.8	1209.7	1152.3	1129.2
15°	1513.7	1539.1	1522.9	1485.5	1486.4	1456.9	1402.2	1342.0	1310.1	1259.9	1191.5
17.5°	1670.6	1673.8	1666.9	1635.9	1615.1	1574.6	1524.1	1466.5	1401.8	1341.0	1268.4
20°	1754.3	1751.8	1737.3	1721.1	1685.4	1653.9	1598.8	1534.5	1451.5	1391.8	1312.6
22.5°	1800.7	1796.6	1789.7	1776.2	1746.4	1712.6	1663.1	1592.8	1513.9	1431.6	1340.1
25°	1796.6	1802.0	1802.8	1799.0	1788.7	1768.4	1729.4	1673.4	1594.6	1488.8	1393.4
27.5°	1634.0	1641.6	1663.8	1683.5	1705.4	1727.8	1724.8	1697.0	1638.7	1547.4	1430.8
30°	1471.4	1454.8	1495.9	1547.8	1583.0	1645.2	1680.1	1682.1	1649.3	1571.0	1457.3
32.5°	1245.8	1264.1	1282.2	1346.0	1423.1	1492.9	1562.3	1618.1	1624.4	1572.3	1472.9
35°	968.0	990.8	1024.0	1057.1	1140.1	1211.4	1333.3	1439.5	1524.1	1535.3	1474.3
37.5°	780.0	791.3	812.3	845.5	899.8	984.4	1078.7	1212.9	1335.5	1426.6	1430.6
40°	681.8	685.2	708.8	734.0	778.0	847.7	932.7	1051.3	1198.1	1325.5	1378.6
42.5°	608.2	615.4	625.5	649.7	684.8	737.2	816.3	914.3	1048.8	1195.4	1299.3
45°	522.5	530.8	537.1	553.3	578.1	613.4	668.5	758.1	860.5	1011.9	1151.7
47.5°	466.0	466.7	471.3	483.5	500.4	526.9	565.9	623.4	717.5	840.2	983.7
50°	425.5	432.1	433.8	443.3	456.6	476.1	508.4	557.4	634.5	742.4	874.3
52.5°	397.0	398.9	403.6	410.5	422.1	437.3	465.3	503.7	564.2	656.1	777.4
55°	355.0	355.0	359.6	365.0	371.6	385.2	403.9	432.1	478.2	549.5	649.9
57.5°	316.2	318.2	321.5	323.1	328.8	337.9	353.4	374.9	409.2	464.1	543.8
60°	290.3	294.1	293.7	296.9	301.9	309.0	322.3	339.7	370.3	414.3	481.5
62.5°	267.8	267.5	267.4	271.4	276.4	283.1	291.7	306.8	332.9	371.9	429.0
65°	230.6	229.7	232.7	235.1	236.8	241.8	248.4	261.7	279.1	308.2	352.5
67.5°	197.6	195.2	196.8	197.6	200.4	204.3	210.5	218.7	232.6	255.9	289.3
70°	175.0	172.9	172.5	173.3	175.9	178.7	183.3	191.2	204.1	222.7	247.2
72.5°	151.8	150.4	150.3	152.1	153.3	155.2	158.4	165.6	175.9	189.9	212.7
75°	118.6	118.6	118.6	119.0	120.3	121.9	124.5	128.2	136.0	146.0	161.3
77.5°	88.9	88.8	88.3	88.2	90.1	90.9	91.4	94.9	99.3	106.0	117.2
80°	69.7	67.6	68.4	69.7	70.5	70.9	72.2	73.0	76.8	80.5	88.3
82.5°	51.7	50.0	50.1	52.1	52.3	52.7	53.9	55.1	56.5	59.9	64.1
85°	27.4	27.4	27.8	27.8	28.2	27.8	29.0	29.5	29.5	31.5	34.0
87.5°	11.6	10.9	11.2	11.5	11.2	11.5	11.7	12.0	12.3	12.7	12.8
90°	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0	6.7	7.0	6.2
92.5°	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6	32.5	43.0	47.4
95°	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8	134.7	166.0	147.8
97.5°	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2	275.2	257.3	188.4
100°	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0	320.3	265.1	179.2
102.5°	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2	322.5	250.6	165.7
105°	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9	305.4	225.1	149.2
107.5°	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8	275.5	202.6	138.7
110°	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8	256.7	189.8	134.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0	240.3	181.3	132.4
115°	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4	220.6	172.1	131.6
117.5°	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4	208.7	166.8	132.1
120°	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9	202.4	164.3	133.0
122.5°	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6	197.3	162.8	134.5
125°	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5	190.7	160.7	136.9
127.5°	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9	184.8	159.7	139.6
130°	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8	181.6	159.0	141.4
132.5°	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3	178.8	158.8	142.8
135°	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7	175.0	158.4	144.7
137.5°	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8	171.7	157.8	146.1
140°	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8	169.6	157.6	146.9
142.5°	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0	167.9	157.2	147.7
145°	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4	165.4	156.5	148.1
147.5°	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6	163.1	155.4	148.1
150°	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9	161.5	154.6	148.1
152.5°	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5	159.7	153.4	147.4
155°	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8	157.0	151.5	146.7
157.5°	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9	154.0	149.7	145.8
160°	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7	152.0	148.4	145.3
162.5°	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0	150.0	147.0	144.4
165°	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5	147.3	145.0	143.1
167.5°	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5	144.7	143.0	141.7
170°	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4	143.1	141.6	140.9
172.5°	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7	141.5	140.5	140.1
175°	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2	139.7	139.1	139.1
177.5°	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7	138.6	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	882.5	879.9	877.2	872.6	868.6	862.9	861.3	859.3	853.3	848.0	844.1
5°	936.4	926.5	912.0	898.7	888.0	873.4	865.1	856.4	844.0	832.7	823.6
7.5°	992.8	973.3	950.7	926.3	903.6	881.7	864.0	848.3	830.8	814.4	801.5
10°	1037.6	1009.4	977.9	943.9	914.9	886.7	863.0	842.3	819.9	800.4	784.3
12.5°	1088.7	1046.9	1003.5	962.2	927.8	888.7	860.1	833.7	808.3	784.8	766.7
15°	1149.2	1096.1	1044.7	987.9	935.6	886.7	852.7	819.5	790.0	766.0	742.8
17.5°	1204.3	1144.1	1076.3	1007.3	944.2	886.2	838.6	801.1	764.2	734.8	711.7
20°	1235.5	1167.0	1090.3	1018.6	948.9	884.2	831.9	787.1	747.3	716.2	690.1
22.5°	1262.3	1182.3	1102.9	1026.2	948.6	878.8	819.7	773.6	730.4	700.0	672.2
25°	1290.2	1194.4	1114.8	1024.8	938.1	865.9	799.5	747.3	704.2	668.5	639.9
27.5°	1314.1	1193.6	1099.1	1002.3	921.7	849.4	778.5	722.5	676.7	637.9	608.9
30°	1330.0	1195.2	1082.8	987.1	905.8	831.1	762.2	705.8	657.7	618.4	591.0
32.5°	1340.0	1194.2	1067.9	965.8	880.5	814.5	744.7	686.3	636.8	598.1	571.7
35°	1345.8	1186.9	1042.2	921.9	839.8	775.5	717.1	656.5	604.7	568.5	538.8
37.5°	1334.2	1171.6	1012.3	879.6	789.7	726.4	677.2	625.7	576.1	536.3	510.6
40°	1315.9	1161.7	989.1	849.8	755.2	694.3	652.4	601.7	552.8	515.1	491.0
42.5°	1281.0	1141.4	963.5	816.6	719.4	658.4	619.9	577.6	531.2	495.8	471.8
45°	1196.0	1097.3	925.3	766.8	666.5	603.4	569.4	538.8	496.9	462.4	441.6
47.5°	1078.1	1031.1	869.8	714.3	611.2	550.6	515.2	490.5	459.9	432.1	412.3
50°	996.2	976.7	832.3	678.5	574.4	515.1	481.1	458.7	436.7	408.9	390.7
52.5°	901.6	913.6	788.5	641.4	536.9	478.6	446.6	428.8	408.8	386.0	370.1
55°	768.5	812.0	712.9	578.9	481.1	425.5	395.2	379.5	367.9	350.9	337.2
57.5°	643.8	699.3	631.1	514.7	426.3	378.3	349.3	332.1	324.6	315.8	305.0
60°	569.8	624.6	572.7	471.5	389.4	343.8	318.1	303.6	296.1	289.9	280.7
62.5°	503.8	559.2	515.6	427.8	353.2	310.9	288.6	274.4	268.5	265.3	257.5
65°	413.0	460.7	431.7	359.6	301.5	264.2	243.8	233.9	228.5	227.3	222.3
67.5°	336.2	372.5	351.3	298.3	252.5	220.3	203.0	194.6	190.4	190.0	186.3
70°	285.7	319.7	303.6	255.5	216.1	190.8	175.9	168.3	165.9	165.5	163.4
72.5°	246.6	270.3	257.5	217.3	186.9	163.9	153.0	145.1	142.4	142.9	141.5
75°	182.4	200.3	192.8	165.1	140.6	125.6	116.5	111.5	109.1	110.4	108.7
77.5°	131.3	142.6	135.9	116.6	101.6	90.7	84.1	81.0	78.7	78.7	77.9
80°	99.1	105.8	102.0	90.4	78.0	68.8	63.5	61.4	60.1	59.7	59.3
82.5°	70.6	76.2	71.9	63.8	55.4	49.9	46.9	44.1	43.3	43.5	43.0
85°	35.6	37.7	36.0	31.1	27.8	25.3	23.6	22.4	21.5	21.9	21.2
87.5°	13.3	13.5	12.4	10.9	10.1	9.0	8.9	8.1	7.5	7.6	7.4
90°	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6	1.1	1.7	2.5
92.5°	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5	5.1	7.5	9.7
95°	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5	10.4	13.5	18.2
97.5°	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2	16.5	18.9	23.1
100°	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8	21.0	23.0	26.9
102.5°	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4	25.9	27.6	31.4
105°	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5	33.4	35.0	38.3
107.5°	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0	40.8	42.5	45.7
110°	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3	46.2	47.6	50.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3	51.1	52.5	55.6
115°	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4	58.5	60.2	63.0
117.5°	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5	65.8	67.2	69.8
120°	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4	70.3	71.7	74.5
122.5°	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7	74.5	75.9	79.0
125°	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8	80.3	82.0	85.1
127.5°	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4	85.2	87.4	90.5
130°	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4	88.2	90.7	94.0
132.5°	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6	90.6	93.4	97.4
135°	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5	94.6	97.7	101.9
137.5°	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2	98.4	101.4	105.8
140°	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7	101.1	103.9	108.4
142.5°	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3	103.5	106.5	110.6
145°	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6	107.5	110.0	114.2
147.5°	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1	111.5	114.0	117.6
150°	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9	114.2	116.5	120.1
152.5°	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8	116.9	119.1	122.3
155°	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2	121.2	122.9	125.7
157.5°	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7	124.9	126.3	128.7
160°	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4	127.4	128.5	130.7
162.5°	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4	129.4	130.3	132.1
165°	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4	132.1	132.7	134.1
167.5°	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7	134.4	134.7	135.7
170°	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0	135.5	135.8	136.6
172.5°	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0	136.6	136.7	137.3
175°	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0	137.8	137.4	138.0
177.5°	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6	138.3	138.1	138.3
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P331957-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	841.7	839.4	836.1	831.1	827.1	820.8	820.8	821.8	821.8	821.5	820.8
5°	816.2	809.9	802.5	793.8	784.7	775.5	773.9	770.6	768.1	766.4	764.3
7.5°	789.3	778.2	767.3	755.1	744.0	734.8	728.4	723.1	719.7	716.1	713.4
10°	771.0	757.2	744.4	731.6	717.5	706.3	699.3	694.3	690.5	687.2	685.6
12.5°	749.4	733.7	719.5	707.3	691.9	680.4	673.7	671.4	666.9	660.0	656.3
15°	717.9	703.4	686.3	667.7	660.2	646.1	638.3	634.5	632.0	626.6	625.0
17.5°	690.9	671.9	652.8	638.9	625.0	613.6	609.2	604.6	601.3	596.8	595.6
20°	669.4	652.4	634.9	620.0	605.5	593.0	589.3	586.0	582.7	580.6	578.9
22.5°	647.5	630.5	616.0	602.1	586.6	578.5	574.4	570.8	568.4	567.0	565.4
25°	616.7	601.7	585.6	573.1	560.7	555.3	552.8	550.7	549.1	547.0	546.6
27.5°	589.1	572.9	559.8	548.2	539.2	534.7	532.3	531.3	531.7	532.4	532.9
30°	568.5	553.7	542.9	532.9	524.7	520.5	520.1	520.1	521.7	522.1	523.0
32.5°	549.7	537.4	526.6	517.0	510.7	507.9	509.5	509.5	510.8	511.8	513.3
35°	522.1	511.4	503.0	494.8	489.4	490.6	491.5	492.3	494.3	496.9	498.5
37.5°	495.8	486.5	477.8	471.3	468.9	471.1	473.1	474.8	477.3	479.2	480.9
40°	476.9	469.8	461.6	455.7	456.6	457.9	459.5	461.6	463.7	464.9	466.6
42.5°	459.3	451.9	445.7	440.8	442.0	443.6	444.6	445.7	448.1	450.3	451.3
45°	432.5	426.7	421.0	418.0	418.9	419.7	420.5	421.8	423.8	425.5	426.0
47.5°	402.4	398.4	394.5	391.7	393.0	392.7	393.7	396.4	397.0	398.1	400.4
50°	383.2	379.5	374.9	374.1	374.1	374.1	374.5	377.8	377.8	379.5	381.1
52.5°	361.9	359.6	356.6	355.1	354.5	354.5	356.2	357.9	358.5	360.9	362.6
55°	330.5	328.0	325.6	324.3	323.4	324.3	327.6	328.4	330.5	331.8	333.0
57.5°	297.8	295.9	293.9	293.2	293.0	294.1	296.0	298.4	299.0	302.8	304.7
60°	276.2	273.3	271.6	271.6	270.8	274.6	273.7	277.9	278.7	281.1	284.1
62.5°	254.0	250.1	249.4	249.4	250.6	251.7	252.8	254.6	256.8	259.9	262.2
65°	218.2	216.1	219.0	218.6	217.7	220.2	220.2	222.3	224.7	227.7	232.3
67.5°	184.2	183.2	183.4	183.4	184.7	186.1	187.2	189.0	192.0	195.1	198.0
70°	161.3	162.6	160.5	162.2	163.4	163.8	164.6	167.2	170.5	172.5	175.9
72.5°	139.1	139.0	139.3	139.9	141.2	141.9	142.8	145.6	149.2	151.0	153.6
75°	107.0	106.5	107.8	107.8	109.9	110.7	111.5	112.8	116.1	118.6	120.6
77.5°	78.1	78.7	78.3	79.8	79.2	79.4	81.9	83.2	83.5	88.4	89.5
80°	58.9	59.7	60.1	60.5	61.0	60.1	63.1	64.2	64.2	67.2	69.2
82.5°	42.3	42.8	43.9	44.3	44.4	45.2	45.5	46.3	47.4	48.6	51.3
85°	21.2	22.4	22.8	22.4	22.8	21.9	23.2	23.6	24.1	24.1	24.1
87.5°	7.3	7.7	7.5	8.0	7.8	8.4	8.3	7.7	7.8	8.8	7.6
90°	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0	7.3	7.5	8.1
92.5°	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6	18.7	16.5	15.1
95°	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8	68.3	53.5	43.4
97.5°	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2	201.2	165.1	131.7
100°	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0	307.4	274.6	234.9
102.5°	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2	355.5	336.4	311.2
105°	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9	391.9	397.2	390.0
107.5°	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8	387.3	411.9	421.8
110°	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8	372.3	407.6	427.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0	352.6	392.1	417.3
115°	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4	321.1	362.3	392.8
117.5°	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4	294.5	331.4	362.3
120°	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9	279.6	313.2	341.5
122.5°	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6	267.8	298.9	325.2
125°	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5	253.1	280.0	302.4
127.5°	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9	240.1	264.4	284.8
130°	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8	232.1	254.8	273.8
132.5°	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3	224.4	245.6	263.7
135°	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7	213.6	231.8	247.7
137.5°	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8	203.1	218.8	232.7
140°	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8	197.1	210.5	222.5
142.5°	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0	191.2	202.9	213.3
145°	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4	183.6	192.6	200.7
147.5°	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6	178.0	185.2	191.0
150°	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9	174.4	180.3	185.6
152.5°	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5	171.0	176.3	180.7
155°	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8	166.3	170.5	173.8
157.5°	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9	161.6	164.9	167.5
160°	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7	158.8	161.5	163.5
162.5°	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0	155.6	158.2	159.9
165°	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5	151.1	153.1	154.6
167.5°	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5	147.7	148.9	149.9
170°	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4	145.3	146.4	146.9
172.5°	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7	143.3	144.2	144.5
175°	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2	140.5	141.1	141.1
177.5°	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7	138.9	139.2	139.2
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



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CATALOG NUMBER: S123DIP-S775D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	818.5	818.2	820.5	818.8	820.5	818.2	818.5	820.8	821.5	821.8	821.8
5°	761.8	763.1	758.9	758.9	758.9	763.1	761.8	764.3	766.4	768.1	770.6
7.5°	711.4	709.6	709.7	707.5	709.7	709.6	711.4	713.4	716.1	719.7	723.1
10°	680.6	678.1	677.2	677.6	677.2	678.1	680.6	685.6	687.2	690.5	694.3
12.5°	655.0	654.5	649.0	649.1	649.0	654.5	655.0	656.3	660.0	666.9	671.4
15°	625.0	617.1	616.2	618.8	616.2	617.1	625.0	625.0	626.6	632.0	634.5
17.5°	594.8	590.7	591.0	589.7	591.0	590.7	594.8	595.6	596.8	601.3	604.6
20°	578.9	576.5	576.1	573.1	576.1	576.5	578.9	578.9	580.6	582.7	586.0
22.5°	564.4	563.6	563.8	560.5	563.8	563.6	564.4	565.4	567.0	568.4	570.8
25°	546.2	548.3	546.6	546.6	546.6	548.3	546.2	546.6	547.0	549.1	550.7
27.5°	533.9	533.9	533.0	533.0	533.0	533.9	533.9	532.9	532.4	531.7	531.3
30°	524.7	524.2	525.1	525.1	525.1	524.2	524.7	523.0	522.1	521.7	520.1
32.5°	515.3	515.9	516.1	516.4	516.1	515.9	515.3	513.3	511.8	510.8	509.5
35°	501.0	501.4	502.6	501.8	502.6	501.4	501.0	498.5	496.9	494.3	492.3
37.5°	481.6	483.5	483.1	483.7	483.1	483.5	481.6	480.9	479.2	477.3	474.8
40°	467.0	468.3	467.8	467.8	467.8	468.3	467.0	466.6	464.9	463.7	461.6
42.5°	452.0	453.0	451.9	451.2	451.9	453.0	452.0	451.3	450.3	448.1	445.7
45°	427.5	426.7	428.0	426.4	428.0	426.7	427.5	426.0	425.5	423.8	421.8
47.5°	400.2	401.0	401.4	402.6	401.4	401.0	400.2	400.4	398.1	397.0	396.4
50°	382.0	384.4	384.4	384.0	384.4	384.4	382.0	381.1	379.5	377.8	377.8
52.5°	364.0	365.2	366.9	366.8	366.9	365.2	364.0	362.6	360.9	358.5	357.9
55°	336.4	337.2	338.0	338.4	338.0	337.2	336.4	333.0	331.8	330.5	328.4
57.5°	307.6	307.3	309.3	309.9	309.3	307.3	307.6	304.7	302.8	299.0	298.4
60°	287.4	287.4	290.7	292.0	290.7	287.4	287.4	284.1	281.1	278.7	277.9
62.5°	265.9	267.2	270.5	268.7	270.5	267.2	265.9	262.2	259.9	256.8	254.6
65°	234.3	237.7	237.3	238.8	237.3	237.7	234.3	232.3	227.7	224.7	222.3
67.5°	201.4	203.4	206.4	206.7	206.4	203.4	201.4	198.0	195.1	192.0	189.0
70°	179.2	181.3	182.9	184.1	182.9	181.3	179.2	175.9	172.5	170.5	167.2
72.5°	157.6	158.7	162.6	160.9	162.6	158.7	157.6	153.6	151.0	149.2	145.6
75°	123.6	126.5	129.0	127.7	129.0	126.5	123.6	120.6	118.6	116.1	112.8
77.5°	91.4	94.3	95.5	94.4	95.5	94.3	91.4	89.5	88.4	83.5	83.2
80°	72.2	71.8	74.2	73.8	74.2	71.8	72.2	69.2	67.2	64.2	64.2
82.5°	52.9	52.5	53.6	53.9	53.6	52.5	52.9	51.3	48.6	47.4	46.3
85°	25.7	26.9	25.3	24.9	25.3	26.9	25.7	24.1	24.1	24.1	23.6
87.5°	7.5	7.6	7.3	7.0	7.3	7.6	7.5	7.6	8.8	7.8	7.7
90°	7.8	8.1	8.4	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0
92.5°	14.6	13.7	14.0	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6
95°	38.1	35.6	33.6	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8
97.5°	111.0	98.4	90.8	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2
100°	206.6	186.2	175.2	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0
102.5°	289.2	273.1	264.0	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2
105°	377.1	366.5	357.5	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9
107.5°	422.1	418.4	415.4	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8
110°	435.1	437.3	436.7	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8



TEST NUMBER: P331957-927

CATALOG NUMBER: S123DIP-S775D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	431.7	438.6	440.8	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0
115°	413.8	426.0	431.7	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4
117.5°	384.3	398.4	406.4	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4
120°	363.6	379.3	386.0	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9
122.5°	344.8	358.9	366.3	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6
125°	320.3	332.6	339.6	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5
127.5°	300.7	311.2	317.6	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9
130°	288.6	298.7	304.6	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8
132.5°	277.7	287.7	292.9	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3
135°	261.5	269.9	274.9	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7
137.5°	244.2	252.7	256.9	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8
140°	233.2	241.1	245.5	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8
142.5°	222.4	229.4	233.4	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0
145°	207.7	213.6	215.9	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4
147.5°	196.3	200.3	202.4	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6
150°	189.8	192.9	194.6	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9
152.5°	183.9	186.8	187.8	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5
155°	176.3	178.6	179.2	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8
157.5°	169.7	171.3	171.8	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9
160°	165.4	167.2	167.2	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7
162.5°	161.2	162.6	162.6	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0
165°	155.7	156.8	156.5	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5
167.5°	150.4	151.1	150.9	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5
170°	147.3	147.8	147.5	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4
172.5°	144.6	145.1	144.7	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7
175°	141.1	141.4	141.1	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2
177.5°	138.9	139.2	138.7	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P331957-927

CATALOG NUMBER: S123DIP-S775D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	820.8	820.8	827.1	831.1	836.1	839.4	841.7	844.1	848.0	853.3	859.3
5°	773.9	775.5	784.7	793.8	802.5	809.9	816.2	823.6	832.7	844.0	856.4
7.5°	728.4	734.8	744.0	755.1	767.3	778.2	789.3	801.5	814.4	830.8	848.3
10°	699.3	706.3	717.5	731.6	744.4	757.2	771.0	784.3	800.4	819.9	842.3
12.5°	673.7	680.4	691.9	707.3	719.5	733.7	749.4	766.7	784.8	808.3	833.7
15°	638.3	646.1	660.2	667.7	686.3	703.4	717.9	742.8	766.0	790.0	819.5
17.5°	609.2	613.6	625.0	638.9	652.8	671.9	690.9	711.7	734.8	764.2	801.1
20°	589.3	593.0	605.5	620.0	634.9	652.4	669.4	690.1	716.2	747.3	787.1
22.5°	574.4	578.5	586.6	602.1	616.0	630.5	647.5	672.2	700.0	730.4	773.6
25°	552.8	555.3	560.7	573.1	585.6	601.7	616.7	639.9	668.5	704.2	747.3
27.5°	532.3	534.7	539.2	548.2	559.8	572.9	589.1	608.9	637.9	676.7	722.5
30°	520.1	520.5	524.7	532.9	542.9	553.7	568.5	591.0	618.4	657.7	705.8
32.5°	509.5	507.9	510.7	517.0	526.6	537.4	549.7	571.7	598.1	636.8	686.3
35°	491.5	490.6	489.4	494.8	503.0	511.4	522.1	538.8	568.5	604.7	656.5
37.5°	473.1	471.1	468.9	471.3	477.8	486.5	495.8	510.6	536.3	576.1	625.7
40°	459.5	457.9	456.6	455.7	461.6	469.8	476.9	491.0	515.1	552.8	601.7
42.5°	444.6	443.6	442.0	440.8	445.7	451.9	459.3	471.8	495.8	531.2	577.6
45°	420.5	419.7	418.9	418.0	421.0	426.7	432.5	441.6	462.4	496.9	538.8
47.5°	393.7	392.7	393.0	391.7	394.5	398.4	402.4	412.3	432.1	459.9	490.5
50°	374.5	374.1	374.1	374.1	374.9	379.5	383.2	390.7	408.9	436.7	458.7
52.5°	356.2	354.5	354.5	355.1	356.6	359.6	361.9	370.1	386.0	408.8	428.8
55°	327.6	324.3	323.4	324.3	325.6	328.0	330.5	337.2	350.9	367.9	379.5
57.5°	296.0	294.1	293.0	293.2	293.9	295.9	297.8	305.0	315.8	324.6	332.1
60°	273.7	274.6	270.8	271.6	271.6	273.3	276.2	280.7	289.9	296.1	303.6
62.5°	252.8	251.7	250.6	249.4	249.4	250.1	254.0	257.5	265.3	268.5	274.4
65°	220.2	220.2	217.7	218.6	219.0	216.1	218.2	222.3	227.3	228.5	233.9
67.5°	187.2	186.1	184.7	183.4	183.4	183.2	184.2	186.3	190.0	190.4	194.6
70°	164.6	163.8	163.4	162.2	160.5	162.6	161.3	163.4	165.5	165.9	168.3
72.5°	142.8	141.9	141.2	139.9	139.3	139.0	139.1	141.5	142.9	142.4	145.1
75°	111.5	110.7	109.9	107.8	107.8	106.5	107.0	108.7	110.4	109.1	111.5
77.5°	81.9	79.4	79.2	79.8	78.3	78.7	78.1	77.9	78.7	78.7	81.0
80°	63.1	60.1	61.0	60.5	60.1	59.7	58.9	59.3	59.7	60.1	61.4
82.5°	45.5	45.2	44.4	44.3	43.9	42.8	42.3	43.0	43.5	43.3	44.1
85°	23.2	21.9	22.8	22.4	22.8	22.4	21.2	21.2	21.9	21.5	22.4
87.5°	8.3	8.4	7.8	8.0	7.5	7.7	7.3	7.4	7.6	7.5	8.1
90°	6.7	7.0	6.2	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6
92.5°	32.5	43.0	47.4	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5
95°	134.7	166.0	147.8	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5
97.5°	275.2	257.3	188.4	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2
100°	320.3	265.1	179.2	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8
102.5°	322.5	250.6	165.7	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4
105°	305.4	225.1	149.2	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5
107.5°	275.5	202.6	138.7	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0
110°	256.7	189.8	134.7	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3



TEST NUMBER: P331957-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	240.3	181.3	132.4	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3
115°	220.6	172.1	131.6	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4
117.5°	208.7	166.8	132.1	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5
120°	202.4	164.3	133.0	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4
122.5°	197.3	162.8	134.5	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7
125°	190.7	160.7	136.9	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8
127.5°	184.8	159.7	139.6	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4
130°	181.6	159.0	141.4	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4
132.5°	178.8	158.8	142.8	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6
135°	175.0	158.4	144.7	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5
137.5°	171.7	157.8	146.1	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2
140°	169.6	157.6	146.9	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7
142.5°	167.9	157.2	147.7	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3
145°	165.4	156.5	148.1	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6
147.5°	163.1	155.4	148.1	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1
150°	161.5	154.6	148.1	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9
152.5°	159.7	153.4	147.4	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8
155°	157.0	151.5	146.7	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2
157.5°	154.0	149.7	145.8	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7
160°	152.0	148.4	145.3	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4
162.5°	150.0	147.0	144.4	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4
165°	147.3	145.0	143.1	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4
167.5°	144.7	143.0	141.7	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7
170°	143.1	141.6	140.9	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0
172.5°	141.5	140.5	140.1	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0
175°	139.7	139.1	139.1	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0
177.5°	138.6	138.3	138.6	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P331957-927

CATALOG NUMBER: S123DIP-S775D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	861.3	862.9	868.6	872.6	877.2	879.9	882.5	884.6	887.2	887.8	897.5
5°	865.1	873.4	888.0	898.7	912.0	926.5	936.4	941.0	953.0	963.0	982.9
7.5°	864.0	881.7	903.6	926.3	950.7	973.3	992.8	1016.1	1032.6	1057.4	1081.8
10°	863.0	886.7	914.9	943.9	977.9	1009.4	1037.6	1069.1	1095.3	1129.7	1159.1
12.5°	860.1	888.7	927.8	962.2	1003.5	1046.9	1088.7	1129.2	1152.3	1209.7	1236.8
15°	852.7	886.7	935.6	987.9	1044.7	1096.1	1149.2	1191.5	1259.9	1310.1	1342.0
17.5°	838.6	886.2	944.2	1007.3	1076.3	1144.1	1204.3	1268.4	1341.0	1401.8	1466.5
20°	831.9	884.2	948.9	1018.6	1090.3	1167.0	1235.5	1312.6	1391.8	1451.5	1534.5
22.5°	819.7	878.8	948.6	1026.2	1102.9	1182.3	1262.3	1340.1	1431.6	1513.9	1592.8
25°	799.5	865.9	938.1	1024.8	1114.8	1194.4	1290.2	1393.4	1488.8	1594.6	1673.4
27.5°	778.5	849.4	921.7	1002.3	1099.1	1193.6	1314.1	1430.8	1547.4	1638.7	1697.0
30°	762.2	831.1	905.8	987.1	1082.8	1195.2	1330.0	1457.3	1571.0	1649.3	1682.1
32.5°	744.7	814.5	880.5	965.8	1067.9	1194.2	1340.0	1472.9	1572.3	1624.4	1618.1
35°	717.1	775.5	839.8	921.9	1042.2	1186.9	1345.8	1474.3	1535.3	1524.1	1439.5
37.5°	677.2	726.4	789.7	879.6	1012.3	1171.6	1334.2	1430.6	1426.6	1335.5	1212.9
40°	652.4	694.3	755.2	849.8	989.1	1161.7	1315.9	1378.6	1325.5	1198.1	1051.3
42.5°	619.9	658.4	719.4	816.6	963.5	1141.4	1281.0	1299.3	1195.4	1048.8	914.3
45°	569.4	603.4	666.5	766.8	925.3	1097.3	1196.0	1151.7	1011.9	860.5	758.1
47.5°	515.2	550.6	611.2	714.3	869.8	1031.1	1078.1	983.7	840.2	717.5	623.4
50°	481.1	515.1	574.4	678.5	832.3	976.7	996.2	874.3	742.4	634.5	557.4
52.5°	446.6	478.6	536.9	641.4	788.5	913.6	901.6	777.4	656.1	564.2	503.7
55°	395.2	425.5	481.1	578.9	712.9	812.0	768.5	649.9	549.5	478.2	432.1
57.5°	349.3	378.3	426.3	514.7	631.1	699.3	643.8	543.8	464.1	409.2	374.9
60°	318.1	343.8	389.4	471.5	572.7	624.6	569.8	481.5	414.3	370.3	339.7
62.5°	288.6	310.9	353.2	427.8	515.6	559.2	503.8	429.0	371.9	332.9	306.8
65°	243.8	264.2	301.5	359.6	431.7	460.7	413.0	352.5	308.2	279.1	261.7
67.5°	203.0	220.3	252.5	298.3	351.3	372.5	336.2	289.3	255.9	232.6	218.7
70°	175.9	190.8	216.1	255.5	303.6	319.7	285.7	247.2	222.7	204.1	191.2
72.5°	153.0	163.9	186.9	217.3	257.5	270.3	246.6	212.7	189.9	175.9	165.6
75°	116.5	125.6	140.6	165.1	192.8	200.3	182.4	161.3	146.0	136.0	128.2
77.5°	84.1	90.7	101.6	116.6	135.9	142.6	131.3	117.2	106.0	99.3	94.9
80°	63.5	68.8	78.0	90.4	102.0	105.8	99.1	88.3	80.5	76.8	73.0
82.5°	46.9	49.9	55.4	63.8	71.9	76.2	70.6	64.1	59.9	56.5	55.1
85°	23.6	25.3	27.8	31.1	36.0	37.7	35.6	34.0	31.5	29.5	29.5
87.5°	8.9	9.0	10.1	10.9	12.4	13.5	13.3	12.8	12.7	12.3	12.0
90°	1.1	1.7	2.5	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0
92.5°	5.1	7.5	9.7	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6
95°	10.4	13.5	18.2	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8
97.5°	16.5	18.9	23.1	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2
100°	21.0	23.0	26.9	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0
102.5°	25.9	27.6	31.4	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2
105°	33.4	35.0	38.3	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9
107.5°	40.8	42.5	45.7	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8
110°	46.2	47.6	50.7	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8



TEST NUMBER: P331957-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.5	55.6	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0
115°	58.5	60.2	63.0	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4
117.5°	65.8	67.2	69.8	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4
120°	70.3	71.7	74.5	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9
122.5°	74.5	75.9	79.0	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6
125°	80.3	82.0	85.1	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5
127.5°	85.2	87.4	90.5	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9
130°	88.2	90.7	94.0	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8
132.5°	90.6	93.4	97.4	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3
135°	94.6	97.7	101.9	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7
137.5°	98.4	101.4	105.8	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8
140°	101.1	103.9	108.4	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8
142.5°	103.5	106.5	110.6	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0
145°	107.5	110.0	114.2	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4
147.5°	111.5	114.0	117.6	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6
150°	114.2	116.5	120.1	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9
152.5°	116.9	119.1	122.3	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5
155°	121.2	122.9	125.7	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8
157.5°	124.9	126.3	128.7	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9
160°	127.4	128.5	130.7	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7
162.5°	129.4	130.3	132.1	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0
165°	132.1	132.7	134.1	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5
167.5°	134.4	134.7	135.7	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5
170°	135.5	135.8	136.6	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4
172.5°	136.6	136.7	137.3	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7
175°	137.8	137.4	138.0	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2
177.5°	138.3	138.1	138.3	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	900.8	901.1	904.8	907.4	906.1	907.8	908.4
5°	984.1	999.1	1006.9	1012.7	1013.2	1013.6	1016.9
7.5°	1102.3	1118.3	1130.0	1147.8	1153.1	1159.1	1157.4
10°	1188.6	1212.2	1232.6	1243.3	1255.0	1271.9	1258.3
12.5°	1269.2	1311.1	1342.0	1358.8	1369.8	1373.2	1366.4
15°	1402.2	1456.9	1486.4	1485.5	1522.9	1539.1	1513.7
17.5°	1524.1	1574.6	1615.1	1635.9	1666.9	1673.8	1670.6
20°	1598.8	1653.9	1685.4	1721.1	1737.3	1751.8	1754.3
22.5°	1663.1	1712.6	1746.4	1776.2	1789.7	1796.6	1800.7
25°	1729.4	1768.4	1788.7	1799.0	1802.8	1802.0	1796.6
27.5°	1724.8	1727.8	1705.4	1683.5	1663.8	1641.6	1634.0
30°	1680.1	1645.2	1583.0	1547.8	1495.9	1454.8	1471.4
32.5°	1562.3	1492.9	1423.1	1346.0	1282.2	1264.1	1245.8
35°	1333.3	1211.4	1140.1	1057.1	1024.0	990.8	968.0
37.5°	1078.7	984.4	899.8	845.5	812.3	791.3	780.0
40°	932.7	847.7	778.0	734.0	708.8	685.2	681.8
42.5°	816.3	737.2	684.8	649.7	625.5	615.4	608.2
45°	668.5	613.4	578.1	553.3	537.1	530.8	522.5
47.5°	565.9	526.9	500.4	483.5	471.3	466.7	466.0
50°	508.4	476.1	456.6	443.3	433.8	432.1	425.5
52.5°	465.3	437.3	422.1	410.5	403.6	398.9	397.0
55°	403.9	385.2	371.6	365.0	359.6	355.0	355.0
57.5°	353.4	337.9	328.8	323.1	321.5	318.2	316.2
60°	322.3	309.0	301.9	296.9	293.7	294.1	290.3
62.5°	291.7	283.1	276.4	271.4	267.4	267.5	267.8
65°	248.4	241.8	236.8	235.1	232.7	229.7	230.6
67.5°	210.5	204.3	200.4	197.6	196.8	195.2	197.6
70°	183.3	178.7	175.9	173.3	172.5	172.9	175.0
72.5°	158.4	155.2	153.3	152.1	150.3	150.4	151.8
75°	124.5	121.9	120.3	119.0	118.6	118.6	118.6
77.5°	91.4	90.9	90.1	88.2	88.3	88.8	88.9
80°	72.2	70.9	70.5	69.7	68.4	67.6	69.7
82.5°	53.9	52.7	52.3	52.1	50.1	50.0	51.7
85°	29.0	27.8	28.2	27.8	27.8	27.4	27.4
87.5°	11.7	11.5	11.2	11.5	11.2	10.9	11.6
90°	7.3	7.5	8.1	7.8	8.1	8.4	8.1
92.5°	18.7	16.5	15.1	14.6	13.7	14.0	13.5
95°	68.3	53.5	43.4	38.1	35.6	33.6	32.5
97.5°	201.2	165.1	131.7	111.0	98.4	90.8	88.4
100°	307.4	274.6	234.9	206.6	186.2	175.2	175.5
102.5°	355.5	336.4	311.2	289.2	273.1	264.0	257.5
105°	391.9	397.2	390.0	377.1	366.5	357.5	356.1
107.5°	387.3	411.9	421.8	422.1	418.4	415.4	412.9
110°	372.3	407.6	427.2	435.1	437.3	436.7	436.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.6	392.1	417.3	431.7	438.6	440.8	440.8
115°	321.1	362.3	392.8	413.8	426.0	431.7	433.1
117.5°	294.5	331.4	362.3	384.3	398.4	406.4	408.3
120°	279.6	313.2	341.5	363.6	379.3	386.0	387.7
122.5°	267.8	298.9	325.2	344.8	358.9	366.3	368.4
125°	253.1	280.0	302.4	320.3	332.6	339.6	341.5
127.5°	240.1	264.4	284.8	300.7	311.2	317.6	319.3
130°	232.1	254.8	273.8	288.6	298.7	304.6	306.8
132.5°	224.4	245.6	263.7	277.7	287.7	292.9	294.5
135°	213.6	231.8	247.7	261.5	269.9	274.9	276.9
137.5°	203.1	218.8	232.7	244.2	252.7	256.9	258.3
140°	197.1	210.5	222.5	233.2	241.1	245.5	245.3
142.5°	191.2	202.9	213.3	222.4	229.4	233.4	233.1
145°	183.6	192.6	200.7	207.7	213.6	215.9	216.4
147.5°	178.0	185.2	191.0	196.3	200.3	202.4	202.6
150°	174.4	180.3	185.6	189.8	192.9	194.6	194.6
152.5°	171.0	176.3	180.7	183.9	186.8	187.8	187.8
155°	166.3	170.5	173.8	176.3	178.6	179.2	179.4
157.5°	161.6	164.9	167.5	169.7	171.3	171.8	171.7
160°	158.8	161.5	163.5	165.4	167.2	167.2	166.8
162.5°	155.6	158.2	159.9	161.2	162.6	162.6	162.4
165°	151.1	153.1	154.6	155.7	156.8	156.5	156.5
167.5°	147.7	148.9	149.9	150.4	151.1	150.9	150.9
170°	145.3	146.4	146.9	147.3	147.8	147.5	147.5
172.5°	143.3	144.2	144.5	144.6	145.1	144.7	144.4
175°	140.5	141.1	141.1	141.1	141.4	141.1	140.9
177.5°	138.9	139.2	139.2	138.9	139.2	138.7	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3

(END OF REPORT)