

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: P331966-927

Luminaire Tested: **S123DIP-S775D585U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331966-927  
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-S775D585U927-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4264.6 lumens  
Efficiency: N/A  
Efficacy: 105.8 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

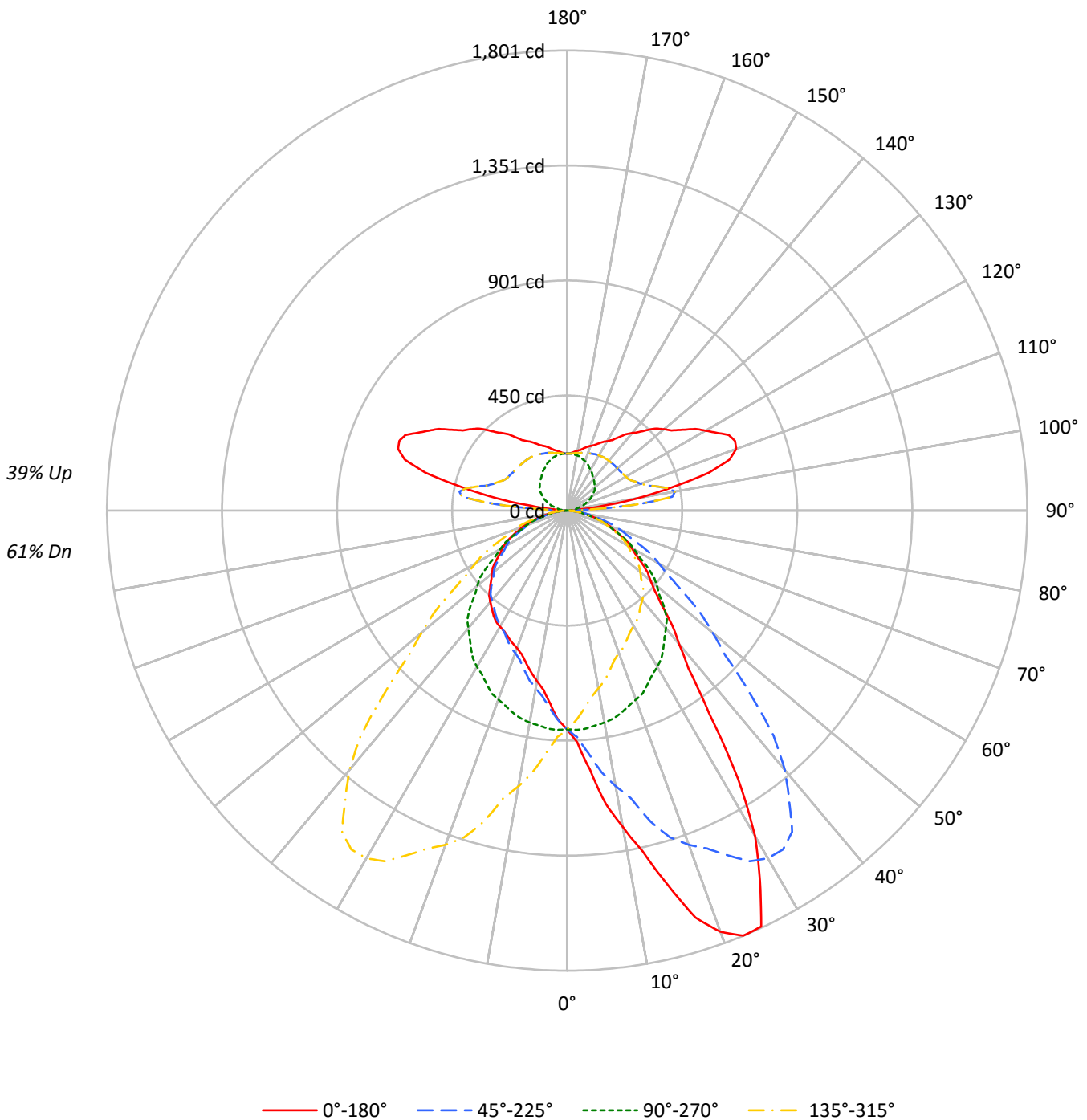
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	96	92	89	94	90	87	84	79	76	74	68	67	65	59	58	56	52
2	92	84	78	73	86	79	74	69	69	65	62	60	57	55	52	50	48	44
3	84	74	67	61	78	70	64	58	62	56	52	54	50	47	46	44	41	37
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	38	36	32
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	44	39	34	39	34	31	34	30	28	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	25	22
8	56	44	36	31	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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

	0°	90°	180°	270°
0°	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	2.0
10°-20°	270.4	6.3
20°-30°	453.8	10.6
30°-40°	513.8	12.0
40°-50°	460.8	10.8
50°-60°	371.8	8.7
60°-70°	259.1	6.1
70°-80°	136.2	3.2
80°-90°	35.0	0.8
90°-100°	124.2	2.9
100°-110°	351.7	8.2
110°-120°	346.0	8.1
120°-130°	276.0	6.5
130°-140°	217.6	5.1
140°-150°	162.4	3.8
150°-160°	113.2	2.7
160°-170°	66.5	1.6
170°-180°	21.6	0.5
0°-30°	808.5	19.0
0°-40°	1322.3	31.0
0°-60°	2154.9	50.5
0°-90°	2585.3	60.6
90°-120°	822.0	19.3
90°-150°	1478.0	34.7
90°-180°	1679.0	39.4
0°-180°	4264.6	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°	13	1	13	1	13	8
95°	52	15	52	15	52	94
105°	575	52	575	52	575	567
115°	699	93	699	93	699	679
125°	551	129	551	129	551	500
135°	447	151	447	151	447	347
145°	349	172	349	172	349	222
155°	290	196	290	196	290	135
165°	252	214	252	214	252	72
175°	227	223	227	223	227	22
180°	223	223	223	223	223	



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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°	12.6	12.0	12.3	12.5	12.3	12.4	12.6	12.9	13.2	13.5	13.6
90°	13.1	13.5	13.1	12.7	13.1	12.2	11.7	11.3	10.9	11.3	9.9
92.5°	21.8	22.6	22.1	23.5	24.3	26.7	30.2	38.0	52.4	69.5	76.4
95°	52.4	54.2	57.4	61.5	70.0	86.3	110.3	162.6	217.3	267.9	238.6
97.5°	142.7	146.6	158.8	179.1	212.5	266.5	324.8	405.5	444.3	415.3	304.0
100°	283.3	282.9	300.5	333.4	379.1	443.2	496.1	532.7	516.9	427.9	289.1
102.5°	415.6	426.0	440.7	466.8	502.3	543.0	573.9	575.0	520.5	404.4	267.5
105°	574.7	577.0	591.4	608.6	629.4	641.2	632.6	587.4	493.0	363.3	240.8
107.5°	666.4	670.5	675.4	681.2	680.8	664.7	625.2	551.8	444.7	326.9	223.9
110°	703.9	704.9	705.8	702.2	689.5	657.9	600.9	517.8	414.3	306.3	217.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	711.5	711.4	708.0	696.7	673.6	633.0	569.1	484.2	387.9	292.6	213.7
115°	699.0	696.7	687.7	667.8	633.9	584.7	518.2	439.7	356.1	277.9	212.4
117.5°	659.0	656.0	642.9	620.2	584.9	534.9	475.2	407.3	336.8	269.2	213.2
120°	625.8	623.1	612.3	586.9	551.3	505.6	451.4	390.4	326.7	265.2	214.6
122.5°	594.7	591.3	579.3	556.6	524.8	482.4	432.2	377.0	318.4	262.7	217.1
125°	551.3	548.1	536.8	516.9	488.0	451.9	408.4	359.2	307.7	259.4	220.9
127.5°	515.5	512.5	502.3	485.4	459.6	426.7	387.6	343.6	298.3	257.7	225.3
130°	495.2	491.6	482.1	465.9	441.9	411.1	374.5	333.9	293.3	256.7	228.1
132.5°	475.3	472.8	464.4	448.1	425.6	396.3	362.3	324.9	288.5	256.3	230.4
135°	446.9	443.7	435.5	422.0	399.9	374.1	344.8	312.7	282.4	255.7	233.6
137.5°	416.8	414.7	407.8	394.1	375.5	353.2	327.9	301.6	277.1	254.8	235.8
140°	395.8	396.2	389.0	376.4	359.2	339.8	318.1	295.1	273.8	254.4	237.2
142.5°	376.3	376.8	370.3	359.0	344.4	327.5	308.7	288.9	270.9	253.7	238.3
145°	349.3	348.4	344.8	335.3	324.0	310.9	296.4	281.5	267.0	252.5	239.0
147.5°	327.0	326.7	323.2	316.8	308.2	299.0	287.2	275.4	263.2	250.9	239.0
150°	314.0	314.0	311.3	306.3	299.6	291.0	281.5	271.1	260.7	249.4	239.0
152.5°	303.2	303.2	301.6	296.9	291.6	284.5	276.1	267.1	257.9	247.6	238.0
155°	289.6	289.1	288.3	284.6	280.6	275.2	268.4	261.2	253.5	244.5	236.8
157.5°	277.3	277.3	276.6	273.9	270.4	266.2	260.9	254.8	248.6	241.6	235.2
160°	269.3	269.7	269.7	267.0	263.9	260.7	256.2	251.2	245.3	239.5	234.5
162.5°	262.1	262.5	262.5	260.2	258.1	255.3	251.1	246.9	242.1	237.3	233.1
165°	252.5	252.5	253.0	251.2	249.4	247.2	244.0	241.3	237.7	234.1	230.9
167.5°	243.5	243.5	244.0	242.7	241.9	240.3	238.4	236.4	233.5	230.8	228.7
170°	238.1	238.1	238.6	237.7	237.2	236.3	234.5	233.1	230.9	228.6	227.3
172.5°	233.1	233.5	234.2	233.3	233.2	232.7	231.2	230.3	228.4	226.8	226.2
175°	227.3	227.8	228.1	227.8	227.8	227.8	226.8	226.4	225.5	224.6	224.6
177.5°	223.9	223.9	224.7	224.3	224.7	224.7	224.3	223.9	223.6	223.2	223.6
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



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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°	14.0	14.0	12.8	11.2	10.5	9.2	9.0	8.2	7.7	7.8	7.8
90°	8.6	7.2	5.9	5.0	4.0	2.7	1.8	0.9	1.8	2.7	4.0
92.5°	57.4	37.9	26.1	19.4	15.6	12.1	8.3	5.6	8.3	12.1	15.6
95°	164.5	97.1	58.7	41.1	29.4	21.7	16.7	15.4	16.7	21.7	29.4
97.5°	180.5	104.6	67.9	48.8	37.2	30.6	26.7	26.2	26.7	30.6	37.2
100°	170.3	103.5	71.9	54.2	43.4	37.1	33.9	33.4	33.9	37.1	43.4
102.5°	161.7	104.9	76.5	60.4	50.6	44.7	41.8	41.0	41.8	44.7	50.6
105°	155.4	108.9	84.5	70.5	61.9	56.5	53.8	52.4	53.8	56.5	61.9
107.5°	155.0	116.3	94.9	81.9	73.8	68.5	65.9	64.5	65.9	68.5	73.8
110°	156.8	122.5	102.1	89.4	81.8	76.8	74.5	73.2	74.5	76.8	81.8





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	160.4	128.6	109.7	97.4	89.8	84.8	82.5	81.1	82.5	84.8	89.8
115°	166.3	138.7	121.5	109.3	101.6	97.1	94.4	92.6	94.4	97.1	101.6
117.5°	174.0	149.5	132.5	121.2	112.6	108.4	106.2	104.1	106.2	108.4	112.6
120°	179.8	156.3	140.1	128.8	120.2	115.7	113.4	112.1	113.4	115.7	120.2
122.5°	185.3	163.6	147.7	135.6	127.4	122.6	120.3	118.9	120.3	122.6	127.4
125°	193.8	174.0	158.1	145.9	137.4	132.4	129.7	128.8	129.7	132.4	137.4
127.5°	200.9	183.0	167.7	155.5	146.0	141.0	137.6	136.3	137.6	141.0	146.0
130°	205.6	188.4	173.5	161.3	151.8	146.4	142.4	141.0	142.4	146.4	151.8
132.5°	209.9	193.1	178.6	166.8	157.2	150.8	146.3	144.6	146.3	150.8	157.2
135°	215.6	200.2	186.2	174.0	164.5	157.7	152.7	150.9	152.7	157.7	164.5
137.5°	219.7	205.0	191.5	180.3	170.9	163.7	158.8	156.9	158.8	163.7	170.9
140°	221.9	208.3	195.2	183.9	174.8	167.6	163.1	160.9	163.1	167.6	174.8
142.5°	224.0	210.8	198.1	187.5	178.5	172.0	167.1	165.2	167.1	172.0	178.5
145°	226.4	214.2	202.4	192.0	184.3	177.6	173.5	172.1	173.5	177.6	184.3
147.5°	227.8	216.9	206.1	197.3	189.9	184.0	180.0	179.2	180.0	184.0	189.9
150°	228.1	218.7	208.3	200.2	193.8	188.0	184.3	183.9	184.3	188.0	193.8
152.5°	228.9	219.8	210.8	203.0	197.5	192.3	188.7	188.6	188.7	192.3	197.5
155°	229.1	221.9	214.2	207.9	202.9	198.4	195.7	195.7	195.7	198.4	202.9
157.5°	229.6	223.0	216.9	212.0	207.8	203.7	201.6	201.2	201.6	203.7	207.8
160°	229.6	224.1	218.7	214.2	211.0	207.4	205.6	205.6	205.6	207.4	211.0
162.5°	229.2	224.5	219.8	215.9	213.2	210.3	208.8	208.8	208.8	210.3	213.2
165°	228.1	225.0	221.4	218.2	216.4	214.2	213.3	213.7	213.3	214.2	216.4
167.5°	227.4	224.9	222.3	220.3	219.0	217.3	216.9	217.5	216.9	217.3	219.0
170°	226.4	224.6	222.3	221.4	220.5	219.1	218.7	219.6	218.7	219.1	220.5
172.5°	226.0	224.6	222.7	222.1	221.6	220.6	220.5	221.0	220.5	220.6	221.6
175°	225.0	224.1	223.2	222.8	222.8	221.9	222.3	222.8	222.3	221.9	222.8
177.5°	224.3	223.6	223.2	223.2	223.2	222.8	223.2	223.6	223.2	222.8	223.2
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P331966-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-A4

**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°	7.6	8.2	8.1	8.7	8.6	9.2	9.1	8.6	8.6	9.7	8.6
90°	5.0	5.9	7.2	8.6	9.9	11.3	10.9	11.3	11.7	12.2	13.1
92.5°	19.4	26.1	37.9	57.4	76.4	69.5	52.4	38.0	30.2	26.7	24.3
95°	41.1	58.7	97.1	164.5	238.6	267.9	217.3	162.6	110.3	86.3	70.0
97.5°	48.8	67.9	104.6	180.5	304.0	415.3	444.3	405.5	324.8	266.5	212.5
100°	54.2	71.9	103.5	170.3	289.1	427.9	516.9	532.7	496.1	443.2	379.1
102.5°	60.4	76.5	104.9	161.7	267.5	404.4	520.5	575.0	573.9	543.0	502.3
105°	70.5	84.5	108.9	155.4	240.8	363.3	493.0	587.4	632.6	641.2	629.4
107.5°	81.9	94.9	116.3	155.0	223.9	326.9	444.7	551.8	625.2	664.7	680.8
110°	89.4	102.1	122.5	156.8	217.3	306.3	414.3	517.8	600.9	657.9	689.5



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	97.4	109.7	128.6	160.4	213.7	292.6	387.9	484.2	569.1	633.0	673.6
115°	109.3	121.5	138.7	166.3	212.4	277.9	356.1	439.7	518.2	584.7	633.9
117.5°	121.2	132.5	149.5	174.0	213.2	269.2	336.8	407.3	475.2	534.9	584.9
120°	128.8	140.1	156.3	179.8	214.6	265.2	326.7	390.4	451.4	505.6	551.3
122.5°	135.6	147.7	163.6	185.3	217.1	262.7	318.4	377.0	432.2	482.4	524.8
125°	145.9	158.1	174.0	193.8	220.9	259.4	307.7	359.2	408.4	451.9	488.0
127.5°	155.5	167.7	183.0	200.9	225.3	257.7	298.3	343.6	387.6	426.7	459.6
130°	161.3	173.5	188.4	205.6	228.1	256.7	293.3	333.9	374.5	411.1	441.9
132.5°	166.8	178.6	193.1	209.9	230.4	256.3	288.5	324.9	362.3	396.3	425.6
135°	174.0	186.2	200.2	215.6	233.6	255.7	282.4	312.7	344.8	374.1	399.9
137.5°	180.3	191.5	205.0	219.7	235.8	254.8	277.1	301.6	327.9	353.2	375.5
140°	183.9	195.2	208.3	221.9	237.2	254.4	273.8	295.1	318.1	339.8	359.2
142.5°	187.5	198.1	210.8	224.0	238.3	253.7	270.9	288.9	308.7	327.5	344.4
145°	192.0	202.4	214.2	226.4	239.0	252.5	267.0	281.5	296.4	310.9	324.0
147.5°	197.3	206.1	216.9	227.8	239.0	250.9	263.2	275.4	287.2	299.0	308.2
150°	200.2	208.3	218.7	228.1	239.0	249.4	260.7	271.1	281.5	291.0	299.6
152.5°	203.0	210.8	219.8	228.9	238.0	247.6	257.9	267.1	276.1	284.5	291.6
155°	207.9	214.2	221.9	229.1	236.8	244.5	253.5	261.2	268.4	275.2	280.6
157.5°	212.0	216.9	223.0	229.6	235.2	241.6	248.6	254.8	260.9	266.2	270.4
160°	214.2	218.7	224.1	229.6	234.5	239.5	245.3	251.2	256.2	260.7	263.9
162.5°	215.9	219.8	224.5	229.2	233.1	237.3	242.1	246.9	251.1	255.3	258.1
165°	218.2	221.4	225.0	228.1	230.9	234.1	237.7	241.3	244.0	247.2	249.4
167.5°	220.3	222.3	224.9	227.4	228.7	230.8	233.5	236.4	238.4	240.3	241.9
170°	221.4	222.3	224.6	226.4	227.3	228.6	230.9	233.1	234.5	236.3	237.2
172.5°	222.1	222.7	224.6	226.0	226.2	226.8	228.4	230.3	231.2	232.7	233.2
175°	222.8	223.2	224.1	225.0	224.6	224.6	225.5	226.4	226.8	227.8	227.8
177.5°	223.2	223.2	223.6	224.3	223.6	223.2	223.6	223.9	224.3	224.7	224.7
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P331966-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-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°	8.5	8.6	8.3	7.9	8.3	8.6	8.5	8.6	9.7	8.6	8.6
90°	12.7	13.1	13.5	13.1	13.5	13.1	12.7	13.1	12.2	11.7	11.3
92.5°	23.5	22.1	22.6	21.8	22.6	22.1	23.5	24.3	26.7	30.2	38.0
95°	61.5	57.4	54.2	52.4	54.2	57.4	61.5	70.0	86.3	110.3	162.6
97.5°	179.1	158.8	146.6	142.7	146.6	158.8	179.1	212.5	266.5	324.8	405.5
100°	333.4	300.5	282.9	283.3	282.9	300.5	333.4	379.1	443.2	496.1	532.7
102.5°	466.8	440.7	426.0	415.6	426.0	440.7	466.8	502.3	543.0	573.9	575.0
105°	608.6	591.4	577.0	574.7	577.0	591.4	608.6	629.4	641.2	632.6	587.4
107.5°	681.2	675.4	670.5	666.4	670.5	675.4	681.2	680.8	664.7	625.2	551.8
110°	702.2	705.8	704.9	703.9	704.9	705.8	702.2	689.5	657.9	600.9	517.8



TEST NUMBER: P331966-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	696.7	708.0	711.4	711.5	711.4	708.0	696.7	673.6	633.0	569.1	484.2
115°	667.8	687.7	696.7	699.0	696.7	687.7	667.8	633.9	584.7	518.2	439.7
117.5°	620.2	642.9	656.0	659.0	656.0	642.9	620.2	584.9	534.9	475.2	407.3
120°	586.9	612.3	623.1	625.8	623.1	612.3	586.9	551.3	505.6	451.4	390.4
122.5°	556.6	579.3	591.3	594.7	591.3	579.3	556.6	524.8	482.4	432.2	377.0
125°	516.9	536.8	548.1	551.3	548.1	536.8	516.9	488.0	451.9	408.4	359.2
127.5°	485.4	502.3	512.5	515.5	512.5	502.3	485.4	459.6	426.7	387.6	343.6
130°	465.9	482.1	491.6	495.2	491.6	482.1	465.9	441.9	411.1	374.5	333.9
132.5°	448.1	464.4	472.8	475.3	472.8	464.4	448.1	425.6	396.3	362.3	324.9
135°	422.0	435.5	443.7	446.9	443.7	435.5	422.0	399.9	374.1	344.8	312.7
137.5°	394.1	407.8	414.7	416.8	414.7	407.8	394.1	375.5	353.2	327.9	301.6
140°	376.4	389.0	396.2	395.8	396.2	389.0	376.4	359.2	339.8	318.1	295.1
142.5°	359.0	370.3	376.8	376.3	376.8	370.3	359.0	344.4	327.5	308.7	288.9
145°	335.3	344.8	348.4	349.3	348.4	344.8	335.3	324.0	310.9	296.4	281.5
147.5°	316.8	323.2	326.7	327.0	326.7	323.2	316.8	308.2	299.0	287.2	275.4
150°	306.3	311.3	314.0	314.0	314.0	311.3	306.3	299.6	291.0	281.5	271.1
152.5°	296.9	301.6	303.2	303.2	303.2	301.6	296.9	291.6	284.5	276.1	267.1
155°	284.6	288.3	289.1	289.6	289.1	288.3	284.6	280.6	275.2	268.4	261.2
157.5°	273.9	276.6	277.3	277.3	277.3	276.6	273.9	270.4	266.2	260.9	254.8
160°	267.0	269.7	269.7	269.3	269.7	269.7	267.0	263.9	260.7	256.2	251.2
162.5°	260.2	262.5	262.5	262.1	262.5	262.5	260.2	258.1	255.3	251.1	246.9
165°	251.2	253.0	252.5	252.5	252.5	253.0	251.2	249.4	247.2	244.0	241.3
167.5°	242.7	244.0	243.5	243.5	243.5	244.0	242.7	241.9	240.3	238.4	236.4
170°	237.7	238.6	238.1	238.1	238.1	238.6	237.7	237.2	236.3	234.5	233.1
172.5°	233.3	234.2	233.5	233.1	233.5	234.2	233.3	233.2	232.7	231.2	230.3
175°	227.8	228.1	227.8	227.3	227.8	228.1	227.8	227.8	227.8	226.8	226.4
177.5°	224.3	224.7	223.9	223.9	223.9	224.7	224.3	224.7	224.7	224.3	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P331966-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-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°	9.1	9.2	8.6	8.7	8.1	8.2	7.6	7.8	7.8	7.7	8.2
90°	10.9	11.3	9.9	8.6	7.2	5.9	5.0	4.0	2.7	1.8	0.9
92.5°	52.4	69.5	76.4	57.4	37.9	26.1	19.4	15.6	12.1	8.3	5.6
95°	217.3	267.9	238.6	164.5	97.1	58.7	41.1	29.4	21.7	16.7	15.4
97.5°	444.3	415.3	304.0	180.5	104.6	67.9	48.8	37.2	30.6	26.7	26.2
100°	516.9	427.9	289.1	170.3	103.5	71.9	54.2	43.4	37.1	33.9	33.4
102.5°	520.5	404.4	267.5	161.7	104.9	76.5	60.4	50.6	44.7	41.8	41.0
105°	493.0	363.3	240.8	155.4	108.9	84.5	70.5	61.9	56.5	53.8	52.4
107.5°	444.7	326.9	223.9	155.0	116.3	94.9	81.9	73.8	68.5	65.9	64.5
110°	414.3	306.3	217.3	156.8	122.5	102.1	89.4	81.8	76.8	74.5	73.2



TEST NUMBER: P331966-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	387.9	292.6	213.7	160.4	128.6	109.7	97.4	89.8	84.8	82.5	81.1
115°	356.1	277.9	212.4	166.3	138.7	121.5	109.3	101.6	97.1	94.4	92.6
117.5°	336.8	269.2	213.2	174.0	149.5	132.5	121.2	112.6	108.4	106.2	104.1
120°	326.7	265.2	214.6	179.8	156.3	140.1	128.8	120.2	115.7	113.4	112.1
122.5°	318.4	262.7	217.1	185.3	163.6	147.7	135.6	127.4	122.6	120.3	118.9
125°	307.7	259.4	220.9	193.8	174.0	158.1	145.9	137.4	132.4	129.7	128.8
127.5°	298.3	257.7	225.3	200.9	183.0	167.7	155.5	146.0	141.0	137.6	136.3
130°	293.3	256.7	228.1	205.6	188.4	173.5	161.3	151.8	146.4	142.4	141.0
132.5°	288.5	256.3	230.4	209.9	193.1	178.6	166.8	157.2	150.8	146.3	144.6
135°	282.4	255.7	233.6	215.6	200.2	186.2	174.0	164.5	157.7	152.7	150.9
137.5°	277.1	254.8	235.8	219.7	205.0	191.5	180.3	170.9	163.7	158.8	156.9
140°	273.8	254.4	237.2	221.9	208.3	195.2	183.9	174.8	167.6	163.1	160.9
142.5°	270.9	253.7	238.3	224.0	210.8	198.1	187.5	178.5	172.0	167.1	165.2
145°	267.0	252.5	239.0	226.4	214.2	202.4	192.0	184.3	177.6	173.5	172.1
147.5°	263.2	250.9	239.0	227.8	216.9	206.1	197.3	189.9	184.0	180.0	179.2
150°	260.7	249.4	239.0	228.1	218.7	208.3	200.2	193.8	188.0	184.3	183.9
152.5°	257.9	247.6	238.0	228.9	219.8	210.8	203.0	197.5	192.3	188.7	188.6
155°	253.5	244.5	236.8	229.1	221.9	214.2	207.9	202.9	198.4	195.7	195.7
157.5°	248.6	241.6	235.2	229.6	223.0	216.9	212.0	207.8	203.7	201.6	201.2
160°	245.3	239.5	234.5	229.6	224.1	218.7	214.2	211.0	207.4	205.6	205.6
162.5°	242.1	237.3	233.1	229.2	224.5	219.8	215.9	213.2	210.3	208.8	208.8
165°	237.7	234.1	230.9	228.1	225.0	221.4	218.2	216.4	214.2	213.3	213.7
167.5°	233.5	230.8	228.7	227.4	224.9	222.3	220.3	219.0	217.3	216.9	217.5
170°	230.9	228.6	227.3	226.4	224.6	222.3	221.4	220.5	219.1	218.7	219.6
172.5°	228.4	226.8	226.2	226.0	224.6	222.7	222.1	221.6	220.6	220.5	221.0
175°	225.5	224.6	224.6	225.0	224.1	223.2	222.8	222.8	221.9	222.3	222.8
177.5°	223.6	223.2	223.6	224.3	223.6	223.2	223.2	223.2	222.8	223.2	223.6
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P331966-927

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**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°	9.0	9.2	10.5	11.2	12.8	14.0	14.0	13.6	13.5	13.2	12.9
90°	1.8	2.7	4.0	5.0	5.9	7.2	8.6	9.9	11.3	10.9	11.3
92.5°	8.3	12.1	15.6	19.4	26.1	37.9	57.4	76.4	69.5	52.4	38.0
95°	16.7	21.7	29.4	41.1	58.7	97.1	164.5	238.6	267.9	217.3	162.6
97.5°	26.7	30.6	37.2	48.8	67.9	104.6	180.5	304.0	415.3	444.3	405.5
100°	33.9	37.1	43.4	54.2	71.9	103.5	170.3	289.1	427.9	516.9	532.7
102.5°	41.8	44.7	50.6	60.4	76.5	104.9	161.7	267.5	404.4	520.5	575.0
105°	53.8	56.5	61.9	70.5	84.5	108.9	155.4	240.8	363.3	493.0	587.4
107.5°	65.9	68.5	73.8	81.9	94.9	116.3	155.0	223.9	326.9	444.7	551.8
110°	74.5	76.8	81.8	89.4	102.1	122.5	156.8	217.3	306.3	414.3	517.8





TEST NUMBER: P331966-927

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	82.5	84.8	89.8	97.4	109.7	128.6	160.4	213.7	292.6	387.9	484.2
115°	94.4	97.1	101.6	109.3	121.5	138.7	166.3	212.4	277.9	356.1	439.7
117.5°	106.2	108.4	112.6	121.2	132.5	149.5	174.0	213.2	269.2	336.8	407.3
120°	113.4	115.7	120.2	128.8	140.1	156.3	179.8	214.6	265.2	326.7	390.4
122.5°	120.3	122.6	127.4	135.6	147.7	163.6	185.3	217.1	262.7	318.4	377.0
125°	129.7	132.4	137.4	145.9	158.1	174.0	193.8	220.9	259.4	307.7	359.2
127.5°	137.6	141.0	146.0	155.5	167.7	183.0	200.9	225.3	257.7	298.3	343.6
130°	142.4	146.4	151.8	161.3	173.5	188.4	205.6	228.1	256.7	293.3	333.9
132.5°	146.3	150.8	157.2	166.8	178.6	193.1	209.9	230.4	256.3	288.5	324.9
135°	152.7	157.7	164.5	174.0	186.2	200.2	215.6	233.6	255.7	282.4	312.7
137.5°	158.8	163.7	170.9	180.3	191.5	205.0	219.7	235.8	254.8	277.1	301.6
140°	163.1	167.6	174.8	183.9	195.2	208.3	221.9	237.2	254.4	273.8	295.1
142.5°	167.1	172.0	178.5	187.5	198.1	210.8	224.0	238.3	253.7	270.9	288.9
145°	173.5	177.6	184.3	192.0	202.4	214.2	226.4	239.0	252.5	267.0	281.5
147.5°	180.0	184.0	189.9	197.3	206.1	216.9	227.8	239.0	250.9	263.2	275.4
150°	184.3	188.0	193.8	200.2	208.3	218.7	228.1	239.0	249.4	260.7	271.1
152.5°	188.7	192.3	197.5	203.0	210.8	219.8	228.9	238.0	247.6	257.9	267.1
155°	195.7	198.4	202.9	207.9	214.2	221.9	229.1	236.8	244.5	253.5	261.2
157.5°	201.6	203.7	207.8	212.0	216.9	223.0	229.6	235.2	241.6	248.6	254.8
160°	205.6	207.4	211.0	214.2	218.7	224.1	229.6	234.5	239.5	245.3	251.2
162.5°	208.8	210.3	213.2	215.9	219.8	224.5	229.2	233.1	237.3	242.1	246.9
165°	213.3	214.2	216.4	218.2	221.4	225.0	228.1	230.9	234.1	237.7	241.3
167.5°	216.9	217.3	219.0	220.3	222.3	224.9	227.4	228.7	230.8	233.5	236.4
170°	218.7	219.1	220.5	221.4	222.3	224.6	226.4	227.3	228.6	230.9	233.1
172.5°	220.5	220.6	221.6	222.1	222.7	224.6	226.0	226.2	226.8	228.4	230.3
175°	222.3	221.9	222.8	222.8	223.2	224.1	225.0	224.6	224.6	225.5	226.4
177.5°	223.2	222.8	223.2	223.2	223.2	223.6	224.3	223.6	223.2	223.6	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



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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°	12.6	12.4	12.3	12.5	12.3	12.0	12.6
90°	11.7	12.2	13.1	12.7	13.1	13.5	13.1
92.5°	30.2	26.7	24.3	23.5	22.1	22.6	21.8
95°	110.3	86.3	70.0	61.5	57.4	54.2	52.4
97.5°	324.8	266.5	212.5	179.1	158.8	146.6	142.7
100°	496.1	443.2	379.1	333.4	300.5	282.9	283.3
102.5°	573.9	543.0	502.3	466.8	440.7	426.0	415.6
105°	632.6	641.2	629.4	608.6	591.4	577.0	574.7
107.5°	625.2	664.7	680.8	681.2	675.4	670.5	666.4
110°	600.9	657.9	689.5	702.2	705.8	704.9	703.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	569.1	633.0	673.6	696.7	708.0	711.4	711.5
115°	518.2	584.7	633.9	667.8	687.7	696.7	699.0
117.5°	475.2	534.9	584.9	620.2	642.9	656.0	659.0
120°	451.4	505.6	551.3	586.9	612.3	623.1	625.8
122.5°	432.2	482.4	524.8	556.6	579.3	591.3	594.7
125°	408.4	451.9	488.0	516.9	536.8	548.1	551.3
127.5°	387.6	426.7	459.6	485.4	502.3	512.5	515.5
130°	374.5	411.1	441.9	465.9	482.1	491.6	495.2
132.5°	362.3	396.3	425.6	448.1	464.4	472.8	475.3
135°	344.8	374.1	399.9	422.0	435.5	443.7	446.9
137.5°	327.9	353.2	375.5	394.1	407.8	414.7	416.8
140°	318.1	339.8	359.2	376.4	389.0	396.2	395.8
142.5°	308.7	327.5	344.4	359.0	370.3	376.8	376.3
145°	296.4	310.9	324.0	335.3	344.8	348.4	349.3
147.5°	287.2	299.0	308.2	316.8	323.2	326.7	327.0
150°	281.5	291.0	299.6	306.3	311.3	314.0	314.0
152.5°	276.1	284.5	291.6	296.9	301.6	303.2	303.2
155°	268.4	275.2	280.6	284.6	288.3	289.1	289.6
157.5°	260.9	266.2	270.4	273.9	276.6	277.3	277.3
160°	256.2	260.7	263.9	267.0	269.7	269.7	269.3
162.5°	251.1	255.3	258.1	260.2	262.5	262.5	262.1
165°	244.0	247.2	249.4	251.2	253.0	252.5	252.5
167.5°	238.4	240.3	241.9	242.7	244.0	243.5	243.5
170°	234.5	236.3	237.2	237.7	238.6	238.1	238.1
172.5°	231.2	232.7	233.2	233.3	234.2	233.5	233.1
175°	226.8	227.8	227.8	227.8	228.1	227.8	227.3
177.5°	224.3	224.7	224.7	224.3	224.7	223.9	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2

(END OF REPORT)