

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: P331957-940

Luminaire Tested: **S123DIP-S775D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331957-940
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-S775D365U940-4F0-1E-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: 4080.5 lumens
Efficiency: N/A
Efficacy: 116.6 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

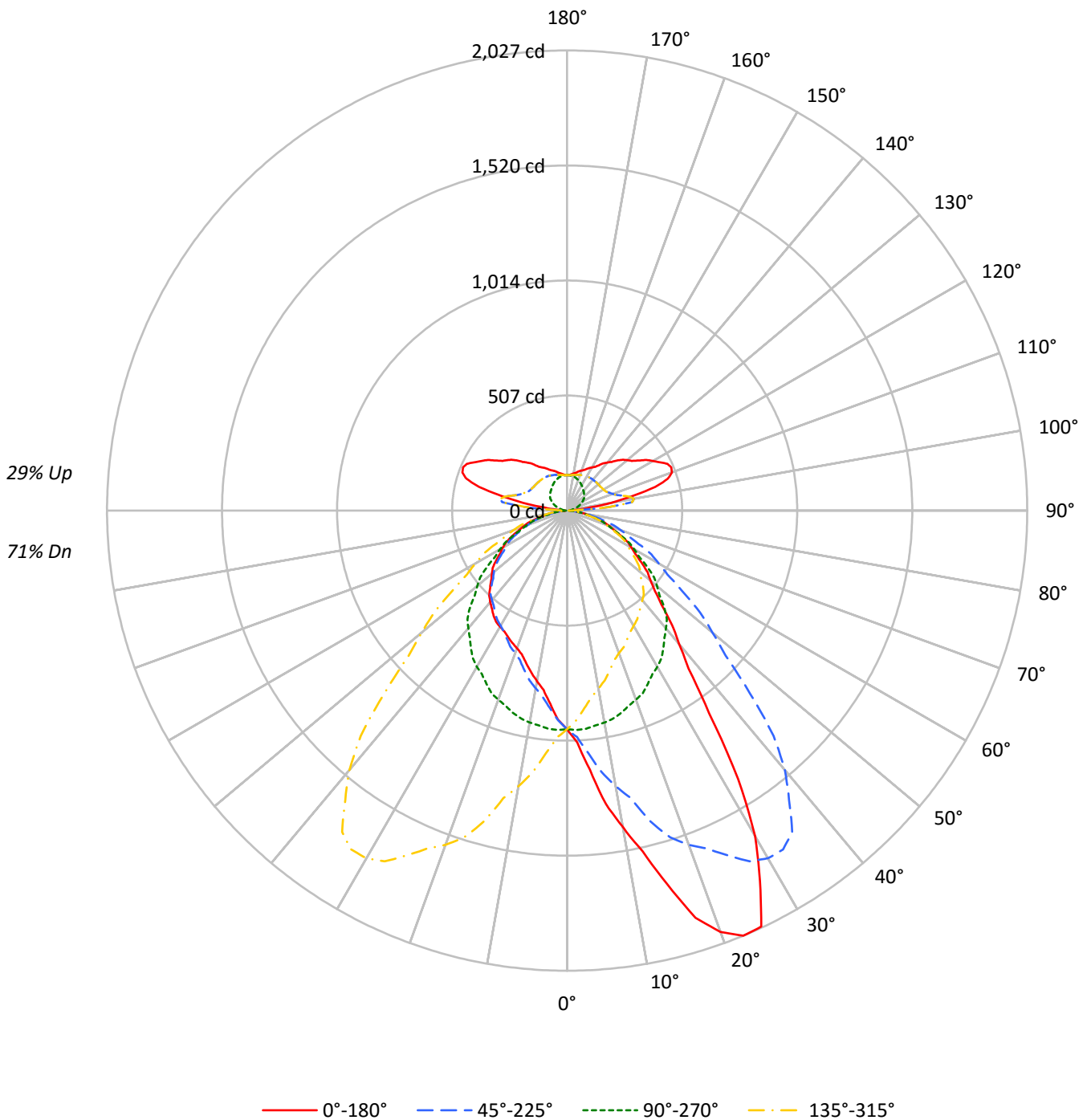
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	76	76	76	76	76	76	76	76	76	71																			
1	103	99	95	91	97	94	90	87	84	82	79	76	74	72	68	66	65	65	65	65	65	65	65	65	65	65	65	61																		
2	94	87	80	75	89	82	77	72	74	70	66	67	63	61	60	57	55	55	55	55	55	55	55	55	55	55	55	52																		
3	86	76	69	63	81	73	66	61	66	60	56	59	55	52	53	50	47	47	47	47	47	47	47	47	47	47	47	44																		
4	79	68	60	54	75	65	58	52	59	53	48	53	48	45	48	44	41	41	41	41	41	41	41	41	41	41	41	41	38																	
5	73	61	53	46	69	58	51	45	53	47	42	48	43	39	43	39	36	36	36	36	36	36	36	36	36	36	36	36	33																	
6	67	55	46	41	63	52	45	39	48	41	37	43	38	34	39	35	32	32	32	32	32	32	32	32	32	32	32	32	29																	
7	62	50	41	36	59	47	40	35	43	37	33	40	34	30	36	32	28	28	28	28	28	28	28	28	28	28	28	28	26																	
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	25	25	25	25	25	23																	
9	54	41	34	29	51	40	33	28	36	30	26	33	28	25	31	26	23	23	23	23	23	23	23	23	23	23	23	23	21																	
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	21	21	21	21	21	19																	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12369	10416	9231	10416
10°	15481	10364	8337	10364
15°	18988	10280	7762	10280
20°	22620	10149	7391	10149
25°	24018	9991	7308	9991
30°	20586	9875	7346	9875
35°	14318	9711	7423	9711
40°	10784	9517	7399	9517
45°	8954	9232	7305	9232
50°	8020	8646	7239	8646
55°	7499	8015	7148	8015
60°	7035	7356	7076	7356
65°	6612	6706	6849	6706
70°	6200	5964	6521	5964
75°	5552	5224	5976	5224
80°	4866	4283	5151	4283
85°	3816	3112	3458	3112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	2.3
10°-20°	304.3	7.5
20°-30°	510.8	12.5
30°-40°	578.4	14.2
40°-50°	518.7	12.7
50°-60°	418.6	10.3
60°-70°	291.7	7.1
70°-80°	153.3	3.8
80°-90°	38.7	0.9
90°-100°	86.6	2.1
100°-110°	245.3	6.0
110°-120°	241.3	5.9
120°-130°	192.5	4.7
130°-140°	151.8	3.7
140°-150°	113.3	2.8
150°-160°	78.9	1.9
160°-170°	46.4	1.1
170°-180°	15.1	0.4
0°-30°	910.1	22.3
0°-40°	1488.4	36.5
0°-60°	2425.7	59.4
0°-90°	2909.3	71.3
90°-120°	573.2	14.0
90°-150°	1030.7	25.3
90°-180°	1171.0	28.7
0°-180°	4080.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	964	964	964	964	964	
5°	1145	964	854	964	1145	119
15°	1704	922	696	922	1704	492
25°	2022	841	615	841	2022	887
35°	1090	739	565	739	1090	708
45°	588	606	480	606	588	465
55°	400	427	381	427	400	359
65°	260	263	269	263	260	259
75°	134	126	144	126	134	143
85°	31	25	28	25	31	37
90°	9	1	9	1	9	6
95°	37	11	37	11	37	66
105°	401	37	401	37	401	395
115°	488	65	488	65	488	474
125°	384	90	384	90	384	348
135°	312	105	312	105	312	242
145°	244	120	244	120	244	155
155°	202	136	202	136	202	94
165°	176	149	176	149	176	50
175°	158	155	158	155	158	15
180°	156	156	156	156	156	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1022.5	1021.8	1019.9	1021.5	1018.4	1014.3	1014.0	1010.2	999.3	998.6	995.7
5°	1144.7	1140.9	1140.5	1140.0	1133.5	1124.6	1107.8	1106.3	1084.0	1072.7	1059.3
7.5°	1302.8	1304.8	1298.0	1292.0	1272.0	1258.8	1240.8	1217.7	1190.3	1162.3	1143.7
10°	1416.4	1431.7	1412.6	1399.5	1387.4	1364.5	1337.9	1304.8	1271.7	1232.9	1203.5
12.5°	1538.1	1545.7	1541.9	1529.6	1510.6	1475.9	1428.7	1392.1	1361.6	1297.1	1271.0
15°	1703.9	1732.4	1714.2	1672.1	1673.1	1639.9	1578.3	1510.6	1474.7	1418.2	1341.2
17.5°	1880.5	1884.1	1876.3	1841.4	1818.0	1772.5	1715.6	1650.7	1577.9	1509.5	1427.8
20°	1974.7	1971.8	1955.5	1937.3	1897.2	1861.7	1799.7	1727.2	1633.9	1566.6	1477.5
22.5°	2026.9	2022.3	2014.6	1999.3	1965.9	1927.8	1872.1	1793.0	1704.1	1611.5	1508.5
25°	2022.3	2028.4	2029.3	2025.1	2013.4	1990.6	1946.7	1883.6	1794.9	1675.9	1568.5
27.5°	1839.3	1847.9	1872.9	1895.0	1919.7	1944.9	1941.5	1910.2	1844.6	1741.9	1610.5
30°	1656.3	1637.6	1683.8	1742.2	1781.9	1851.9	1891.1	1893.5	1856.5	1768.4	1640.4
32.5°	1402.3	1422.9	1443.3	1515.1	1601.9	1680.5	1758.5	1821.4	1828.5	1769.9	1658.0
35°	1089.6	1115.3	1152.6	1189.9	1283.4	1363.6	1500.8	1620.3	1715.6	1728.2	1659.6
37.5°	878.0	890.7	914.4	951.7	1012.8	1108.0	1214.2	1365.3	1503.2	1605.9	1610.3
40°	767.5	771.2	797.8	826.3	875.7	954.2	1049.9	1183.4	1348.6	1492.0	1551.8
42.5°	684.6	692.8	704.1	731.4	770.8	829.8	918.8	1029.1	1180.6	1345.6	1462.5
45°	588.2	597.5	604.6	622.8	650.8	690.5	752.5	853.4	968.7	1139.1	1296.4
47.5°	524.5	525.3	530.5	544.2	563.3	593.1	636.9	701.8	807.6	945.7	1107.3
50°	478.9	486.4	488.3	499.0	514.0	535.9	572.3	627.4	714.3	835.6	984.1
52.5°	446.8	449.1	454.3	462.1	475.1	492.2	523.8	566.9	635.1	738.5	875.0
55°	399.6	399.6	404.7	410.8	418.3	433.6	454.7	486.4	538.2	618.6	731.6
57.5°	355.9	358.2	361.9	363.7	370.1	380.3	397.8	422.0	460.6	522.4	612.2
60°	326.8	331.0	330.6	334.2	339.8	347.8	362.7	382.4	416.9	466.4	542.0
62.5°	301.4	301.1	301.0	305.5	311.1	318.7	328.3	345.4	374.7	418.6	483.0
65°	259.6	258.6	261.9	264.7	266.5	272.2	279.6	294.5	314.1	346.9	396.8
67.5°	222.4	219.7	221.5	222.4	225.6	230.0	236.9	246.2	261.8	288.0	325.7
70°	197.0	194.7	194.2	195.1	198.0	201.2	206.3	215.2	229.7	250.7	278.2
72.5°	170.9	169.2	169.2	171.2	172.5	174.7	178.3	186.5	198.0	213.7	239.4
75°	133.5	133.5	133.5	133.9	135.4	137.2	140.1	144.3	153.1	164.3	181.6
77.5°	100.0	100.0	99.4	99.3	101.4	102.3	102.9	106.8	111.7	119.3	131.9
80°	78.5	76.1	77.0	78.5	79.4	79.8	81.2	82.1	86.4	90.6	99.4
82.5°	58.2	56.3	56.4	58.7	58.9	59.3	60.7	62.0	63.6	67.4	72.1
85°	30.9	30.9	31.3	31.3	31.7	31.3	32.6	33.2	33.2	35.5	38.3
87.5°	13.0	12.3	12.7	12.9	12.7	12.9	13.2	13.6	13.8	14.3	14.4
90°	9.1	9.5	9.1	8.8	9.1	8.5	8.2	7.8	7.6	7.8	7.0
92.5°	15.2	15.8	15.4	16.4	16.9	18.5	21.0	26.6	36.6	48.4	53.3
95°	36.6	37.8	40.0	42.9	48.9	60.2	76.9	113.4	151.6	186.9	166.4
97.5°	99.5	102.2	110.8	124.9	148.2	185.8	226.5	282.8	309.8	289.6	212.0
100°	197.6	197.2	209.6	232.6	264.4	309.2	346.0	371.5	360.5	298.5	201.7
102.5°	289.8	297.1	307.4	325.6	350.4	378.7	400.2	401.0	363.0	282.0	186.5
105°	400.8	402.4	412.5	424.5	439.0	447.1	441.1	409.7	343.8	253.3	168.0
107.5°	464.8	467.6	471.0	475.1	474.8	463.6	436.0	384.8	310.1	228.0	156.1
110°	491.0	491.6	492.2	489.7	480.9	458.8	419.1	361.1	289.0	213.7	151.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	496.2	496.1	493.7	485.9	469.8	441.4	396.9	337.7	270.5	204.0	149.0
115°	487.5	485.9	479.6	465.7	442.1	407.8	361.4	306.6	248.3	193.8	148.1
117.5°	459.6	457.4	448.4	432.6	407.9	373.0	331.4	284.1	234.9	187.7	148.6
120°	436.4	434.5	427.0	409.3	384.4	352.6	314.8	272.2	227.8	184.9	149.7
122.5°	414.7	412.3	404.0	388.2	366.0	336.4	301.4	263.0	222.0	183.2	151.4
125°	384.4	382.3	374.3	360.5	340.4	315.1	284.9	250.5	214.6	180.8	154.1
127.5°	359.4	357.5	350.4	338.5	320.6	297.6	270.3	239.7	208.0	179.8	157.1
130°	345.4	342.9	336.3	324.9	308.2	286.8	261.3	232.8	204.5	179.0	159.2
132.5°	331.5	329.8	323.9	312.5	296.9	276.4	252.6	226.6	201.3	178.7	160.7
135°	311.7	309.4	303.8	294.4	278.8	260.9	240.4	218.0	197.0	178.3	162.9
137.5°	290.7	289.2	284.5	274.8	261.9	246.3	228.6	210.3	193.2	177.6	164.4
140°	276.1	276.3	271.3	262.5	250.5	236.9	221.9	205.8	190.9	177.5	165.4
142.5°	262.4	262.7	258.2	250.4	240.1	228.4	215.3	201.5	189.0	176.9	166.2
145°	243.6	243.0	240.4	233.8	226.0	216.8	206.7	196.4	186.2	176.1	166.7
147.5°	228.1	227.8	225.4	221.0	215.0	208.5	200.4	192.1	183.6	175.0	166.7
150°	219.0	219.0	217.1	213.7	208.9	203.0	196.4	189.0	181.8	174.0	166.7
152.5°	211.4	211.4	210.3	207.1	203.4	198.4	192.5	186.3	179.8	172.7	165.9
155°	202.0	201.7	201.1	198.5	195.6	191.9	187.2	182.2	176.7	170.5	165.1
157.5°	193.3	193.4	192.9	191.0	188.6	185.6	181.9	177.7	173.3	168.5	164.1
160°	187.8	188.2	188.2	186.2	184.0	181.8	178.7	175.2	171.1	167.0	163.5
162.5°	182.8	183.1	183.1	181.5	180.0	178.1	175.1	172.2	168.8	165.5	162.6
165°	176.1	176.1	176.5	175.2	174.0	172.4	170.1	168.3	165.8	163.3	161.0
167.5°	169.9	169.9	170.1	169.2	168.7	167.6	166.3	164.9	162.8	161.0	159.5
170°	166.0	166.0	166.4	165.8	165.4	164.8	163.5	162.6	161.0	159.4	158.5
172.5°	162.6	162.8	163.4	162.7	162.6	162.3	161.3	160.6	159.3	158.2	157.7
175°	158.5	158.8	159.2	158.8	158.8	158.8	158.2	157.8	157.2	156.6	156.6
177.5°	156.1	156.1	156.7	156.4	156.7	156.7	156.4	156.1	156.0	155.7	156.0
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	993.4	990.4	987.4	982.2	977.8	971.3	969.5	967.2	960.6	954.6	950.1
5°	1054.1	1042.9	1026.5	1011.6	999.5	983.1	973.8	964.0	950.0	937.4	927.1
7.5°	1117.6	1095.6	1070.1	1042.7	1017.1	992.5	972.6	954.8	935.2	916.7	902.2
10°	1168.0	1136.2	1100.8	1062.5	1029.8	998.1	971.4	948.2	922.9	901.0	882.8
12.5°	1225.5	1178.5	1129.5	1083.1	1044.4	1000.3	968.1	938.4	909.8	883.4	863.0
15°	1293.6	1233.9	1175.9	1112.0	1053.2	998.1	959.8	922.5	889.3	862.2	836.1
17.5°	1355.6	1287.9	1211.6	1133.8	1062.8	997.6	944.0	901.7	860.2	827.2	801.1
20°	1390.7	1313.7	1227.3	1146.6	1068.1	995.2	936.5	886.0	841.2	806.2	776.8
22.5°	1420.9	1330.8	1241.4	1155.1	1067.7	989.3	922.7	870.8	822.2	787.9	756.6
25°	1452.3	1344.4	1254.8	1153.5	1056.0	974.7	900.0	841.2	792.6	752.5	720.3
27.5°	1479.2	1343.5	1237.2	1128.2	1037.5	956.1	876.3	813.2	761.7	718.1	685.4
30°	1497.1	1345.4	1218.9	1111.1	1019.6	935.5	858.0	794.5	740.4	696.1	665.2
32.5°	1508.3	1344.3	1202.1	1087.2	991.1	916.9	838.2	772.5	716.8	673.2	643.5
35°	1514.8	1336.1	1173.1	1037.8	945.3	873.0	807.2	739.0	680.6	640.0	606.5
37.5°	1501.8	1318.8	1139.5	990.2	888.9	817.7	762.3	704.3	648.5	603.7	574.8
40°	1481.2	1307.6	1113.4	956.5	850.1	781.5	734.3	677.3	622.2	579.8	552.7
42.5°	1442.0	1284.8	1084.6	919.2	809.8	741.1	697.8	650.1	598.0	558.1	531.1
45°	1346.3	1235.2	1041.5	863.2	750.2	679.2	641.0	606.5	559.3	520.5	497.1
47.5°	1213.5	1160.7	979.1	804.1	688.0	619.7	580.0	552.1	517.7	486.4	464.0
50°	1121.3	1099.4	936.9	763.8	646.6	579.8	541.5	516.3	491.6	460.3	439.8
52.5°	1014.9	1028.4	887.6	721.9	604.3	538.7	502.7	482.7	460.2	434.5	416.6
55°	865.0	914.0	802.5	651.7	541.5	478.9	444.9	427.1	414.1	394.9	379.5
57.5°	724.7	787.1	710.4	579.3	479.8	425.9	393.2	373.8	365.4	355.4	343.3
60°	641.4	703.0	644.7	530.7	438.4	387.0	358.0	341.7	333.3	326.3	316.0
62.5°	567.1	629.5	580.4	481.5	397.6	350.0	324.9	308.9	302.3	298.6	289.9
65°	464.9	518.6	486.0	404.7	339.4	297.4	274.5	263.3	257.3	255.8	250.2
67.5°	378.4	419.3	395.5	335.7	284.3	248.0	228.5	219.0	214.4	213.9	209.7
70°	321.6	359.9	341.7	287.6	243.3	214.7	198.0	189.5	186.7	186.3	184.0
72.5°	277.6	304.3	289.8	244.6	210.4	184.5	172.2	163.4	160.2	160.9	159.3
75°	205.4	225.5	217.0	185.8	158.3	141.4	131.2	125.6	122.8	124.2	122.3
77.5°	147.8	160.5	152.9	131.3	114.3	102.1	94.6	91.1	88.6	88.5	87.7
80°	111.6	119.0	114.9	101.7	87.7	77.5	71.4	69.1	67.7	67.2	66.8
82.5°	79.5	85.8	80.9	71.9	62.3	56.2	52.8	49.7	48.7	49.0	48.4
85°	40.1	42.4	40.6	35.0	31.3	28.4	26.6	25.2	24.3	24.7	23.8
87.5°	15.0	15.2	13.9	12.3	11.4	10.1	10.0	9.1	8.5	8.6	8.4
90°	6.0	5.1	4.1	3.5	2.9	1.9	1.2	0.6	1.2	1.9	2.9
92.5°	40.0	26.5	18.2	13.6	10.9	8.5	5.8	3.9	5.8	8.5	10.9
95°	114.7	67.8	40.9	28.7	20.5	15.2	11.7	10.7	11.7	15.2	20.5
97.5°	125.8	72.9	47.3	34.1	25.9	21.3	18.5	18.3	18.5	21.3	25.9
100°	118.8	72.1	50.1	37.8	30.2	25.9	23.6	23.4	23.6	25.9	30.2
102.5°	112.7	73.2	53.4	42.1	35.3	31.1	29.2	28.6	29.2	31.1	35.3
105°	108.4	76.0	58.9	49.1	43.2	39.4	37.5	36.6	37.5	39.4	43.2
107.5°	108.1	81.1	66.2	57.1	51.5	47.8	45.9	45.0	45.9	47.8	51.5
110°	109.3	85.4	71.2	62.4	57.1	53.6	52.0	51.0	52.0	53.6	57.1



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.9	89.7	76.5	67.9	62.6	59.1	57.5	56.6	57.5	59.1	62.6
115°	115.9	96.8	84.8	76.2	70.9	67.8	65.9	64.6	65.9	67.8	70.9
117.5°	121.4	104.2	92.4	84.5	78.6	75.6	74.0	72.6	74.0	75.6	78.6
120°	125.4	109.1	97.6	89.8	83.8	80.7	79.1	78.1	79.1	80.7	83.8
122.5°	129.2	114.0	103.0	94.6	88.9	85.4	83.9	82.9	83.9	85.4	88.9
125°	135.2	121.4	110.3	101.7	95.8	92.3	90.4	89.8	90.4	92.3	95.8
127.5°	140.1	127.6	117.0	108.4	101.8	98.4	95.9	95.1	95.9	98.4	101.8
130°	143.4	131.4	121.0	112.5	105.8	102.1	99.2	98.4	99.2	102.1	105.8
132.5°	146.4	134.6	124.6	116.3	109.7	105.1	102.0	100.9	102.0	105.1	109.7
135°	150.3	139.6	129.8	121.4	114.7	109.9	106.5	105.2	106.5	109.9	114.7
137.5°	153.2	143.0	133.6	125.7	119.1	114.1	110.8	109.4	110.8	114.1	119.1
140°	154.7	145.3	136.2	128.2	122.0	116.9	113.8	112.2	113.8	116.9	122.0
142.5°	156.2	147.0	138.1	130.8	124.5	119.9	116.5	115.2	116.5	119.9	124.5
145°	157.8	149.4	141.2	133.9	128.6	123.9	121.0	120.0	121.0	123.9	128.6
147.5°	158.9	151.2	143.7	137.6	132.4	128.3	125.6	125.0	125.6	128.3	132.4
150°	159.2	152.5	145.3	139.6	135.2	131.1	128.6	128.2	128.6	131.1	135.2
152.5°	159.6	153.3	147.0	141.6	137.7	134.1	131.6	131.5	131.6	134.1	137.7
155°	159.8	154.7	149.4	145.0	141.5	138.3	136.4	136.4	136.4	138.3	141.5
157.5°	160.1	155.5	151.2	147.8	144.9	142.1	140.6	140.4	140.6	142.1	144.9
160°	160.1	156.3	152.5	149.4	147.1	144.6	143.4	143.4	143.4	144.6	147.1
162.5°	159.8	156.6	153.3	150.6	148.6	146.7	145.6	145.6	145.6	146.7	148.6
165°	159.2	156.9	154.4	152.2	151.0	149.4	148.7	149.0	148.7	149.4	151.0
167.5°	158.6	156.9	155.1	153.6	152.8	151.6	151.2	151.6	151.2	151.6	152.8
170°	157.8	156.6	155.1	154.4	153.7	152.8	152.5	153.1	152.5	152.8	153.7
172.5°	157.7	156.6	155.2	154.9	154.5	153.8	153.7	154.2	153.7	153.8	154.5
175°	156.9	156.3	155.7	155.3	155.3	154.7	155.1	155.3	155.1	154.7	155.3
177.5°	156.4	156.0	155.7	155.7	155.7	155.4	155.7	156.0	155.7	155.4	155.7
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	947.4	944.9	941.1	935.5	931.0	923.9	923.9	925.1	925.1	924.7	923.9
5°	918.7	911.7	903.3	893.5	883.2	873.0	871.1	867.4	864.6	862.7	860.3
7.5°	888.4	875.9	863.7	850.0	837.5	827.2	819.9	814.0	810.1	806.0	803.1
10°	867.8	852.4	837.9	823.5	807.6	795.0	787.1	781.5	777.3	773.6	771.7
12.5°	843.6	825.9	809.9	796.2	778.8	765.9	758.3	755.7	750.7	742.9	738.8
15°	808.1	791.8	772.6	751.6	743.2	727.3	718.5	714.3	711.4	705.3	703.5
17.5°	777.8	756.3	734.9	719.2	703.6	690.7	685.7	680.6	676.8	671.8	670.4
20°	753.5	734.3	714.7	697.9	681.5	667.5	663.3	659.6	655.9	653.5	651.7
22.5°	728.8	709.7	693.4	677.7	660.3	651.1	646.6	642.5	639.8	638.3	636.4
25°	694.2	677.3	659.2	645.2	631.2	625.1	622.2	619.9	618.0	615.7	615.3
27.5°	663.2	644.9	630.1	617.1	607.0	601.9	599.2	598.1	598.5	599.3	599.9
30°	640.0	623.2	611.1	599.9	590.6	585.9	585.4	585.4	587.3	587.7	588.7
32.5°	618.8	604.9	592.8	581.9	574.9	571.7	573.5	573.5	575.0	576.1	577.8
35°	587.7	575.6	566.2	557.0	550.9	552.2	553.2	554.1	556.4	559.3	561.2
37.5°	558.1	547.6	537.9	530.6	527.8	530.3	532.5	534.5	537.3	539.4	541.3
40°	536.8	528.9	519.6	513.0	514.0	515.4	517.3	519.6	521.9	523.3	525.2
42.5°	517.0	508.7	501.7	496.2	497.6	499.4	500.4	501.7	504.4	506.8	508.0
45°	486.9	480.4	473.9	470.6	471.5	472.4	473.3	474.7	477.1	478.9	479.5
47.5°	453.0	448.4	444.1	440.9	442.4	442.0	443.2	446.2	446.9	448.1	450.7
50°	431.3	427.1	422.0	421.1	421.1	421.1	421.5	425.3	425.3	427.1	429.0
52.5°	407.4	404.7	401.4	399.8	399.0	399.0	401.0	402.9	403.6	406.3	408.1
55°	372.0	369.3	366.5	365.1	364.1	365.1	368.8	369.7	372.0	373.4	374.9
57.5°	335.2	333.1	330.8	330.0	329.8	331.1	333.1	335.9	336.5	340.8	343.0
60°	310.9	307.6	305.8	305.8	304.9	309.1	308.1	312.8	313.7	316.5	319.8
62.5°	285.9	281.5	280.7	280.7	282.0	283.3	284.5	286.6	289.1	292.6	295.2
65°	245.6	243.3	246.5	246.0	245.0	247.9	247.9	250.2	253.0	256.3	261.4
67.5°	207.3	206.2	206.4	206.4	207.9	209.5	210.7	212.8	216.2	219.6	222.9
70°	181.6	183.0	180.7	182.5	184.0	184.4	185.3	188.2	191.9	194.2	198.0
72.5°	156.6	156.5	156.8	157.5	158.9	159.7	160.7	163.9	168.0	170.0	172.9
75°	120.5	119.9	121.4	121.4	123.7	124.7	125.6	127.0	130.7	133.5	135.8
77.5°	87.9	88.5	88.2	89.8	89.2	89.3	92.2	93.6	94.0	99.5	100.8
80°	66.3	67.2	67.7	68.1	68.7	67.7	71.0	72.3	72.3	75.6	77.9
82.5°	47.6	48.2	49.4	49.8	49.9	50.9	51.2	52.2	53.3	54.8	57.8
85°	23.8	25.2	25.7	25.2	25.7	24.7	26.1	26.6	27.1	27.1	27.1
87.5°	8.2	8.6	8.5	9.0	8.8	9.5	9.4	8.6	8.7	9.9	8.6
90°	3.5	4.1	5.1	6.0	7.0	7.8	7.6	7.8	8.2	8.5	9.1
92.5°	13.6	18.2	26.5	40.0	53.3	48.4	36.6	26.6	21.0	18.5	16.9
95°	28.7	40.9	67.8	114.7	166.4	186.9	151.6	113.4	76.9	60.2	48.9
97.5°	34.1	47.3	72.9	125.8	212.0	289.6	309.8	282.8	226.5	185.8	148.2
100°	37.8	50.1	72.1	118.8	201.7	298.5	360.5	371.5	346.0	309.2	264.4
102.5°	42.1	53.4	73.2	112.7	186.5	282.0	363.0	401.0	400.2	378.7	350.4
105°	49.1	58.9	76.0	108.4	168.0	253.3	343.8	409.7	441.1	447.1	439.0
107.5°	57.1	66.2	81.1	108.1	156.1	228.0	310.1	384.8	436.0	463.6	474.8
110°	62.4	71.2	85.4	109.3	151.6	213.7	289.0	361.1	419.1	458.8	480.9



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	67.9	76.5	89.7	111.9	149.0	204.0	270.5	337.7	396.9	441.4	469.8
115°	76.2	84.8	96.8	115.9	148.1	193.8	248.3	306.6	361.4	407.8	442.1
117.5°	84.5	92.4	104.2	121.4	148.6	187.7	234.9	284.1	331.4	373.0	407.9
120°	89.8	97.6	109.1	125.4	149.7	184.9	227.8	272.2	314.8	352.6	384.4
122.5°	94.6	103.0	114.0	129.2	151.4	183.2	222.0	263.0	301.4	336.4	366.0
125°	101.7	110.3	121.4	135.2	154.1	180.8	214.6	250.5	284.9	315.1	340.4
127.5°	108.4	117.0	127.6	140.1	157.1	179.8	208.0	239.7	270.3	297.6	320.6
130°	112.5	121.0	131.4	143.4	159.2	179.0	204.5	232.8	261.3	286.8	308.2
132.5°	116.3	124.6	134.6	146.4	160.7	178.7	201.3	226.6	252.6	276.4	296.9
135°	121.4	129.8	139.6	150.3	162.9	178.3	197.0	218.0	240.4	260.9	278.8
137.5°	125.7	133.6	143.0	153.2	164.4	177.6	193.2	210.3	228.6	246.3	261.9
140°	128.2	136.2	145.3	154.7	165.4	177.5	190.9	205.8	221.9	236.9	250.5
142.5°	130.8	138.1	147.0	156.2	166.2	176.9	189.0	201.5	215.3	228.4	240.1
145°	133.9	141.2	149.4	157.8	166.7	176.1	186.2	196.4	206.7	216.8	226.0
147.5°	137.6	143.7	151.2	158.9	166.7	175.0	183.6	192.1	200.4	208.5	215.0
150°	139.6	145.3	152.5	159.2	166.7	174.0	181.8	189.0	196.4	203.0	208.9
152.5°	141.6	147.0	153.3	159.6	165.9	172.7	179.8	186.3	192.5	198.4	203.4
155°	145.0	149.4	154.7	159.8	165.1	170.5	176.7	182.2	187.2	191.9	195.6
157.5°	147.8	151.2	155.5	160.1	164.1	168.5	173.3	177.7	181.9	185.6	188.6
160°	149.4	152.5	156.3	160.1	163.5	167.0	171.1	175.2	178.7	181.8	184.0
162.5°	150.6	153.3	156.6	159.8	162.6	165.5	168.8	172.2	175.1	178.1	180.0
165°	152.2	154.4	156.9	159.2	161.0	163.3	165.8	168.3	170.1	172.4	174.0
167.5°	153.6	155.1	156.9	158.6	159.5	161.0	162.8	164.9	166.3	167.6	168.7
170°	154.4	155.1	156.6	157.8	158.5	159.4	161.0	162.6	163.5	164.8	165.4
172.5°	154.9	155.2	156.6	157.7	157.7	158.2	159.3	160.6	161.3	162.3	162.6
175°	155.3	155.7	156.3	156.9	156.6	156.6	157.2	157.8	158.2	158.8	158.8
177.5°	155.7	155.7	156.0	156.4	156.0	155.7	156.0	156.1	156.4	156.7	156.7
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	921.3	921.0	923.5	921.7	923.5	921.0	921.3	923.9	924.7	925.1	925.1
5°	857.6	859.0	854.3	854.3	854.3	859.0	857.6	860.3	862.7	864.6	867.4
7.5°	800.8	798.7	798.9	796.4	798.9	798.7	800.8	803.1	806.0	810.1	814.0
10°	766.1	763.3	762.3	762.8	762.3	763.3	766.1	771.7	773.6	777.3	781.5
12.5°	737.3	736.7	730.6	730.7	730.6	736.7	737.3	738.8	742.9	750.7	755.7
15°	703.5	694.6	693.7	696.5	693.7	694.6	703.5	703.5	705.3	711.4	714.3
17.5°	669.6	664.9	665.2	663.8	665.2	664.9	669.6	670.4	671.8	676.8	680.6
20°	651.7	648.9	648.5	645.2	648.5	648.9	651.7	651.7	653.5	655.9	659.6
22.5°	635.3	634.4	634.6	631.0	634.6	634.4	635.3	636.4	638.3	639.8	642.5
25°	614.8	617.2	615.3	615.3	615.3	617.2	614.8	615.3	615.7	618.0	619.9
27.5°	601.0	600.9	599.9	599.9	599.9	600.9	601.0	599.9	599.3	598.5	598.1
30°	590.6	590.0	591.0	591.0	591.0	590.0	590.6	588.7	587.7	587.3	585.4
32.5°	580.1	580.8	580.9	581.3	580.9	580.8	580.1	577.8	576.1	575.0	573.5
35°	563.9	564.4	565.8	564.9	565.8	564.4	563.9	561.2	559.3	556.4	554.1
37.5°	542.1	544.2	543.8	544.5	543.8	544.2	542.1	541.3	539.4	537.3	534.5
40°	525.7	527.1	526.6	526.6	526.6	527.1	525.7	525.2	523.3	521.9	519.6
42.5°	508.8	509.9	508.6	507.9	508.6	509.9	508.8	508.0	506.8	504.4	501.7
45°	481.3	480.4	481.8	479.9	481.8	480.4	481.3	479.5	478.9	477.1	474.7
47.5°	450.5	451.4	451.8	453.2	451.8	451.4	450.5	450.7	448.1	446.9	446.2
50°	430.0	432.7	432.7	432.3	432.7	432.7	430.0	429.0	427.1	425.3	425.3
52.5°	409.7	411.1	413.0	412.9	413.0	411.1	409.7	408.1	406.3	403.6	402.9
55°	378.6	379.5	380.5	380.9	380.5	379.5	378.6	374.9	373.4	372.0	369.7
57.5°	346.3	345.9	348.1	348.8	348.1	345.9	346.3	343.0	340.8	336.5	335.9
60°	323.5	323.5	327.3	328.7	327.3	323.5	323.5	319.8	316.5	313.7	312.8
62.5°	299.3	300.8	304.4	302.5	304.4	300.8	299.3	295.2	292.6	289.1	286.6
65°	263.8	267.5	267.1	268.9	267.1	267.5	263.8	261.4	256.3	253.0	250.2
67.5°	226.7	229.0	232.4	232.6	232.4	229.0	226.7	222.9	219.6	216.2	212.8
70°	201.7	204.0	205.9	207.2	205.9	204.0	201.7	198.0	194.2	191.9	188.2
72.5°	177.4	178.6	183.1	181.1	183.1	178.6	177.4	172.9	170.0	168.0	163.9
75°	139.1	142.4	145.2	143.7	145.2	142.4	139.1	135.8	133.5	130.7	127.0
77.5°	102.9	106.1	107.5	106.3	107.5	106.1	102.9	100.8	99.5	94.0	93.6
80°	81.2	80.8	83.6	83.1	83.6	80.8	81.2	77.9	75.6	72.3	72.3
82.5°	59.6	59.1	60.4	60.7	60.4	59.1	59.6	57.8	54.8	53.3	52.2
85°	29.0	30.3	28.4	28.0	28.4	30.3	29.0	27.1	27.1	27.1	26.6
87.5°	8.5	8.6	8.2	7.8	8.2	8.6	8.5	8.6	9.9	8.7	8.6
90°	8.8	9.1	9.5	9.1	9.5	9.1	8.8	9.1	8.5	8.2	7.8
92.5°	16.4	15.4	15.8	15.2	15.8	15.4	16.4	16.9	18.5	21.0	26.6
95°	42.9	40.0	37.8	36.6	37.8	40.0	42.9	48.9	60.2	76.9	113.4
97.5°	124.9	110.8	102.2	99.5	102.2	110.8	124.9	148.2	185.8	226.5	282.8
100°	232.6	209.6	197.2	197.6	197.2	209.6	232.6	264.4	309.2	346.0	371.5
102.5°	325.6	307.4	297.1	289.8	297.1	307.4	325.6	350.4	378.7	400.2	401.0
105°	424.5	412.5	402.4	400.8	402.4	412.5	424.5	439.0	447.1	441.1	409.7
107.5°	475.1	471.0	467.6	464.8	467.6	471.0	475.1	474.8	463.6	436.0	384.8
110°	489.7	492.2	491.6	491.0	491.6	492.2	489.7	480.9	458.8	419.1	361.1



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	485.9	493.7	496.1	496.2	496.1	493.7	485.9	469.8	441.4	396.9	337.7
115°	465.7	479.6	485.9	487.5	485.9	479.6	465.7	442.1	407.8	361.4	306.6
117.5°	432.6	448.4	457.4	459.6	457.4	448.4	432.6	407.9	373.0	331.4	284.1
120°	409.3	427.0	434.5	436.4	434.5	427.0	409.3	384.4	352.6	314.8	272.2
122.5°	388.2	404.0	412.3	414.7	412.3	404.0	388.2	366.0	336.4	301.4	263.0
125°	360.5	374.3	382.3	384.4	382.3	374.3	360.5	340.4	315.1	284.9	250.5
127.5°	338.5	350.4	357.5	359.4	357.5	350.4	338.5	320.6	297.6	270.3	239.7
130°	324.9	336.3	342.9	345.4	342.9	336.3	324.9	308.2	286.8	261.3	232.8
132.5°	312.5	323.9	329.8	331.5	329.8	323.9	312.5	296.9	276.4	252.6	226.6
135°	294.4	303.8	309.4	311.7	309.4	303.8	294.4	278.8	260.9	240.4	218.0
137.5°	274.8	284.5	289.2	290.7	289.2	284.5	274.8	261.9	246.3	228.6	210.3
140°	262.5	271.3	276.3	276.1	276.3	271.3	262.5	250.5	236.9	221.9	205.8
142.5°	250.4	258.2	262.7	262.4	262.7	258.2	250.4	240.1	228.4	215.3	201.5
145°	233.8	240.4	243.0	243.6	243.0	240.4	233.8	226.0	216.8	206.7	196.4
147.5°	221.0	225.4	227.8	228.1	227.8	225.4	221.0	215.0	208.5	200.4	192.1
150°	213.7	217.1	219.0	219.0	219.0	217.1	213.7	208.9	203.0	196.4	189.0
152.5°	207.1	210.3	211.4	211.4	211.4	210.3	207.1	203.4	198.4	192.5	186.3
155°	198.5	201.1	201.7	202.0	201.7	201.1	198.5	195.6	191.9	187.2	182.2
157.5°	191.0	192.9	193.4	193.3	193.4	192.9	191.0	188.6	185.6	181.9	177.7
160°	186.2	188.2	188.2	187.8	188.2	188.2	186.2	184.0	181.8	178.7	175.2
162.5°	181.5	183.1	183.1	182.8	183.1	183.1	181.5	180.0	178.1	175.1	172.2
165°	175.2	176.5	176.1	176.1	176.1	176.5	175.2	174.0	172.4	170.1	168.3
167.5°	169.2	170.1	169.9	169.9	169.9	170.1	169.2	168.7	167.6	166.3	164.9
170°	165.8	166.4	166.0	166.0	166.0	166.4	165.8	165.4	164.8	163.5	162.6
172.5°	162.7	163.4	162.8	162.6	162.8	163.4	162.7	162.6	162.3	161.3	160.6
175°	158.8	159.2	158.8	158.5	158.8	159.2	158.8	158.8	158.8	158.2	157.8
177.5°	156.4	156.7	156.1	156.1	156.1	156.7	156.4	156.7	156.7	156.4	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	923.9	923.9	931.0	935.5	941.1	944.9	947.4	950.1	954.6	960.6	967.2
5°	871.1	873.0	883.2	893.5	903.3	911.7	918.7	927.1	937.4	950.0	964.0
7.5°	819.9	827.2	837.5	850.0	863.7	875.9	888.4	902.2	916.7	935.2	954.8
10°	787.1	795.0	807.6	823.5	837.9	852.4	867.8	882.8	901.0	922.9	948.2
12.5°	758.3	765.9	778.8	796.2	809.9	825.9	843.6	863.0	883.4	909.8	938.4
15°	718.5	727.3	743.2	751.6	772.6	791.8	808.1	836.1	862.2	889.3	922.5
17.5°	685.7	690.7	703.6	719.2	734.9	756.3	777.8	801.1	827.2	860.2	901.7
20°	663.3	667.5	681.5	697.9	714.7	734.3	753.5	776.8	806.2	841.2	886.0
22.5°	646.6	651.1	660.3	677.7	693.4	709.7	728.8	756.6	787.9	822.2	870.8
25°	622.2	625.1	631.2	645.2	659.2	677.3	694.2	720.3	752.5	792.6	841.2
27.5°	599.2	601.9	607.0	617.1	630.1	644.9	663.2	685.4	718.1	761.7	813.2
30°	585.4	585.9	590.6	599.9	611.1	623.2	640.0	665.2	696.1	740.4	794.5
32.5°	573.5	571.7	574.9	581.9	592.8	604.9	618.8	643.5	673.2	716.8	772.5
35°	553.2	552.2	550.9	557.0	566.2	575.6	587.7	606.5	640.0	680.6	739.0
37.5°	532.5	530.3	527.8	530.6	537.9	547.6	558.1	574.8	603.7	648.5	704.3
40°	517.3	515.4	514.0	513.0	519.6	528.9	536.8	552.7	579.8	622.2	677.3
42.5°	500.4	499.4	497.6	496.2	501.7	508.7	517.0	531.1	558.1	598.0	650.1
45°	473.3	472.4	471.5	470.6	473.9	480.4	486.9	497.1	520.5	559.3	606.5
47.5°	443.2	442.0	442.4	440.9	444.1	448.4	453.0	464.0	486.4	517.7	552.1
50°	421.5	421.1	421.1	421.1	422.0	427.1	431.3	439.8	460.3	491.6	516.3
52.5°	401.0	399.0	399.0	399.8	401.4	404.7	407.4	416.6	434.5	460.2	482.7
55°	368.8	365.1	364.1	365.1	366.5	369.3	372.0	379.5	394.9	414.1	427.1
57.5°	333.1	331.1	329.8	330.0	330.8	333.1	335.2	343.3	355.4	365.4	373.8
60°	308.1	309.1	304.9	305.8	305.8	307.6	310.9	316.0	326.3	333.3	341.7
62.5°	284.5	283.3	282.0	280.7	280.7	281.5	285.9	289.9	298.6	302.3	308.9
65°	247.9	247.9	245.0	246.0	246.5	243.3	245.6	250.2	255.8	257.3	263.3
67.5°	210.7	209.5	207.9	206.4	206.4	206.2	207.3	209.7	213.9	214.4	219.0
70°	185.3	184.4	184.0	182.5	180.7	183.0	181.6	184.0	186.3	186.7	189.5
72.5°	160.7	159.7	158.9	157.5	156.8	156.5	156.6	159.3	160.9	160.2	163.4
75°	125.6	124.7	123.7	121.4	121.4	119.9	120.5	122.3	124.2	122.8	125.6
77.5°	92.2	89.3	89.2	89.8	88.2	88.5	87.9	87.7	88.5	88.6	91.1
80°	71.0	67.7	68.7	68.1	67.7	67.2	66.3	66.8	67.2	67.7	69.1
82.5°	51.2	50.9	49.9	49.8	49.4	48.2	47.6	48.4	49.0	48.7	49.7
85°	26.1	24.7	25.7	25.2	25.7	25.2	23.8	23.8	24.7	24.3	25.2
87.5°	9.4	9.5	8.8	9.0	8.5	8.6	8.2	8.4	8.6	8.5	9.1
90°	7.6	7.8	7.0	6.0	5.1	4.1	3.5	2.9	1.9	1.2	0.6
92.5°	36.6	48.4	53.3	40.0	26.5	18.2	13.6	10.9	8.5	5.8	3.9
95°	151.6	186.9	166.4	114.7	67.8	40.9	28.7	20.5	15.2	11.7	10.7
97.5°	309.8	289.6	212.0	125.8	72.9	47.3	34.1	25.9	21.3	18.5	18.3
100°	360.5	298.5	201.7	118.8	72.1	50.1	37.8	30.2	25.9	23.6	23.4
102.5°	363.0	282.0	186.5	112.7	73.2	53.4	42.1	35.3	31.1	29.2	28.6
105°	343.8	253.3	168.0	108.4	76.0	58.9	49.1	43.2	39.4	37.5	36.6
107.5°	310.1	228.0	156.1	108.1	81.1	66.2	57.1	51.5	47.8	45.9	45.0
110°	289.0	213.7	151.6	109.3	85.4	71.2	62.4	57.1	53.6	52.0	51.0



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	270.5	204.0	149.0	111.9	89.7	76.5	67.9	62.6	59.1	57.5	56.6
115°	248.3	193.8	148.1	115.9	96.8	84.8	76.2	70.9	67.8	65.9	64.6
117.5°	234.9	187.7	148.6	121.4	104.2	92.4	84.5	78.6	75.6	74.0	72.6
120°	227.8	184.9	149.7	125.4	109.1	97.6	89.8	83.8	80.7	79.1	78.1
122.5°	222.0	183.2	151.4	129.2	114.0	103.0	94.6	88.9	85.4	83.9	82.9
125°	214.6	180.8	154.1	135.2	121.4	110.3	101.7	95.8	92.3	90.4	89.8
127.5°	208.0	179.8	157.1	140.1	127.6	117.0	108.4	101.8	98.4	95.9	95.1
130°	204.5	179.0	159.2	143.4	131.4	121.0	112.5	105.8	102.1	99.2	98.4
132.5°	201.3	178.7	160.7	146.4	134.6	124.6	116.3	109.7	105.1	102.0	100.9
135°	197.0	178.3	162.9	150.3	139.6	129.8	121.4	114.7	109.9	106.5	105.2
137.5°	193.2	177.6	164.4	153.2	143.0	133.6	125.7	119.1	114.1	110.8	109.4
140°	190.9	177.5	165.4	154.7	145.3	136.2	128.2	122.0	116.9	113.8	112.2
142.5°	189.0	176.9	166.2	156.2	147.0	138.1	130.8	124.5	119.9	116.5	115.2
145°	186.2	176.1	166.7	157.8	149.4	141.2	133.9	128.6	123.9	121.0	120.0
147.5°	183.6	175.0	166.7	158.9	151.2	143.7	137.6	132.4	128.3	125.6	125.0
150°	181.8	174.0	166.7	159.2	152.5	145.3	139.6	135.2	131.1	128.6	128.2
152.5°	179.8	172.7	165.9	159.6	153.3	147.0	141.6	137.7	134.1	131.6	131.5
155°	176.7	170.5	165.1	159.8	154.7	149.4	145.0	141.5	138.3	136.4	136.4
157.5°	173.3	168.5	164.1	160.1	155.5	151.2	147.8	144.9	142.1	140.6	140.4
160°	171.1	167.0	163.5	160.1	156.3	152.5	149.4	147.1	144.6	143.4	143.4
162.5°	168.8	165.5	162.6	159.8	156.6	153.3	150.6	148.6	146.7	145.6	145.6
165°	165.8	163.3	161.0	159.2	156.9	154.4	152.2	151.0	149.4	148.7	149.0
167.5°	162.8	161.0	159.5	158.6	156.9	155.1	153.6	152.8	151.6	151.2	151.6
170°	161.0	159.4	158.5	157.8	156.6	155.1	154.4	153.7	152.8	152.5	153.1
172.5°	159.3	158.2	157.7	157.7	156.6	155.2	154.9	154.5	153.8	153.7	154.2
175°	157.2	156.6	156.6	156.9	156.3	155.7	155.3	155.3	154.7	155.1	155.3
177.5°	156.0	155.7	156.0	156.4	156.0	155.7	155.7	155.7	155.4	155.7	156.0
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P331957-940

CATALOG NUMBER: S123DIP-S775D365U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	969.5	971.3	977.8	982.2	987.4	990.4	993.4	995.7	998.6	999.3	1010.2
5°	973.8	983.1	999.5	1011.6	1026.5	1042.9	1054.1	1059.3	1072.7	1084.0	1106.3
7.5°	972.6	992.5	1017.1	1042.7	1070.1	1095.6	1117.6	1143.7	1162.3	1190.3	1217.7
10°	971.4	998.1	1029.8	1062.5	1100.8	1136.2	1168.0	1203.5	1232.9	1271.7	1304.8
12.5°	968.1	1000.3	1044.4	1083.1	1129.5	1178.5	1225.5	1271.0	1297.1	1361.6	1392.1
15°	959.8	998.1	1053.2	1112.0	1175.9	1233.9	1293.6	1341.2	1418.2	1474.7	1510.6
17.5°	944.0	997.6	1062.8	1133.8	1211.6	1287.9	1355.6	1427.8	1509.5	1577.9	1650.7
20°	936.5	995.2	1068.1	1146.6	1227.3	1313.7	1390.7	1477.5	1566.6	1633.9	1727.2
22.5°	922.7	989.3	1067.7	1155.1	1241.4	1330.8	1420.9	1508.5	1611.5	1704.1	1793.0
25°	900.0	974.7	1056.0	1153.5	1254.8	1344.4	1452.3	1568.5	1675.9	1794.9	1883.6
27.5°	876.3	956.1	1037.5	1128.2	1237.2	1343.5	1479.2	1610.5	1741.9	1844.6	1910.2
30°	858.0	935.5	1019.6	1111.1	1218.9	1345.4	1497.1	1640.4	1768.4	1856.5	1893.5
32.5°	838.2	916.9	991.1	1087.2	1202.1	1344.3	1508.3	1658.0	1769.9	1828.5	1821.4
35°	807.2	873.0	945.3	1037.8	1173.1	1336.1	1514.8	1659.6	1728.2	1715.6	1620.3
37.5°	762.3	817.7	888.9	990.2	1139.5	1318.8	1501.8	1610.3	1605.9	1503.2	1365.3
40°	734.3	781.5	850.1	956.5	1113.4	1307.6	1481.2	1551.8	1492.0	1348.6	1183.4
42.5°	697.8	741.1	809.8	919.2	1084.6	1284.8	1442.0	1462.5	1345.6	1180.6	1029.1
45°	641.0	679.2	750.2	863.2	1041.5	1235.2	1346.3	1296.4	1139.1	968.7	853.4
47.5°	580.0	619.7	688.0	804.1	979.1	1160.7	1213.5	1107.3	945.7	807.6	701.8
50°	541.5	579.8	646.6	763.8	936.9	1099.4	1121.3	984.1	835.6	714.3	627.4
52.5°	502.7	538.7	604.3	721.9	887.6	1028.4	1014.9	875.0	738.5	635.1	566.9
55°	444.9	478.9	541.5	651.7	802.5	914.0	865.0	731.6	618.6	538.2	486.4
57.5°	393.2	425.9	479.8	579.3	710.4	787.1	724.7	612.2	522.4	460.6	422.0
60°	358.0	387.0	438.4	530.7	644.7	703.0	641.4	542.0	466.4	416.9	382.4
62.5°	324.9	350.0	397.6	481.5	580.4	629.5	567.1	483.0	418.6	374.7	345.4
65°	274.5	297.4	339.4	404.7	486.0	518.6	464.9	396.8	346.9	314.1	294.5
67.5°	228.5	248.0	284.3	335.7	395.5	419.3	378.4	325.7	288.0	261.8	246.2
70°	198.0	214.7	243.3	287.6	341.7	359.9	321.6	278.2	250.7	229.7	215.2
72.5°	172.2	184.5	210.4	244.6	289.8	304.3	277.6	239.4	213.7	198.0	186.5
75°	131.2	141.4	158.3	185.8	217.0	225.5	205.4	181.6	164.3	153.1	144.3
77.5°	94.6	102.1	114.3	131.3	152.9	160.5	147.8	131.9	119.3	111.7	106.8
80°	71.4	77.5	87.7	101.7	114.9	119.0	111.6	99.4	90.6	86.4	82.1
82.5°	52.8	56.2	62.3	71.9	80.9	85.8	79.5	72.1	67.4	63.6	62.0
85°	26.6	28.4	31.3	35.0	40.6	42.4	40.1	38.3	35.5	33.2	33.2
87.5°	10.0	10.1	11.4	12.3	13.9	15.2	15.0	14.4	14.3	13.8	13.6
90°	1.2	1.9	2.9	3.5	4.1	5.1	6.0	7.0	7.8	7.6	7.8
92.5°	5.8	8.5	10.9	13.6	18.2	26.5	40.0	53.3	48.4	36.6	26.6
95°	11.7	15.2	20.5	28.7	40.9	67.8	114.7	166.4	186.9	151.6	113.4
97.5°	18.5	21.3	25.9	34.1	47.3	72.9	125.8	212.0	289.6	309.8	282.8
100°	23.6	25.9	30.2	37.8	50.1	72.1	118.8	201.7	298.5	360.5	371.5
102.5°	29.2	31.1	35.3	42.1	53.4	73.2	112.7	186.5	282.0	363.0	401.0
105°	37.5	39.4	43.2	49.1	58.9	76.0	108.4	168.0	253.3	343.8	409.7
107.5°	45.9	47.8	51.5	57.1	66.2	81.1	108.1	156.1	228.0	310.1	384.8
110°	52.0	53.6	57.1	62.4	71.2	85.4	109.3	151.6	213.7	289.0	361.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	57.5	59.1	62.6	67.9	76.5	89.7	111.9	149.0	204.0	270.5	337.7
115°	65.9	67.8	70.9	76.2	84.8	96.8	115.9	148.1	193.8	248.3	306.6
117.5°	74.0	75.6	78.6	84.5	92.4	104.2	121.4	148.6	187.7	234.9	284.1
120°	79.1	80.7	83.8	89.8	97.6	109.1	125.4	149.7	184.9	227.8	272.2
122.5°	83.9	85.4	88.9	94.6	103.0	114.0	129.2	151.4	183.2	222.0	263.0
125°	90.4	92.3	95.8	101.7	110.3	121.4	135.2	154.1	180.8	214.6	250.5
127.5°	95.9	98.4	101.8	108.4	117.0	127.6	140.1	157.1	179.8	208.0	239.7
130°	99.2	102.1	105.8	112.5	121.0	131.4	143.4	159.2	179.0	204.5	232.8
132.5°	102.0	105.1	109.7	116.3	124.6	134.6	146.4	160.7	178.7	201.3	226.6
135°	106.5	109.9	114.7	121.4	129.8	139.6	150.3	162.9	178.3	197.0	218.0
137.5°	110.8	114.1	119.1	125.7	133.6	143.0	153.2	164.4	177.6	193.2	210.3
140°	113.8	116.9	122.0	128.2	136.2	145.3	154.7	165.4	177.5	190.9	205.8
142.5°	116.5	119.9	124.5	130.8	138.1	147.0	156.2	166.2	176.9	189.0	201.5
145°	121.0	123.9	128.6	133.9	141.2	149.4	157.8	166.7	176.1	186.2	196.4
147.5°	125.6	128.3	132.4	137.6	143.7	151.2	158.9	166.7	175.0	183.6	192.1
150°	128.6	131.1	135.2	139.6	145.3	152.5	159.2	166.7	174.0	181.8	189.0
152.5°	131.6	134.1	137.7	141.6	147.0	153.3	159.6	165.9	172.7	179.8	186.3
155°	136.4	138.3	141.5	145.0	149.4	154.7	159.8	165.1	170.5	176.7	182.2
157.5°	140.6	142.1	144.9	147.8	151.2	155.5	160.1	164.1	168.5	173.3	177.7
160°	143.4	144.6	147.1	149.4	152.5	156.3	160.1	163.5	167.0	171.1	175.2
162.5°	145.6	146.7	148.6	150.6	153.3	156.6	159.8	162.6	165.5	168.8	172.2
165°	148.7	149.4	151.0	152.2	154.4	156.9	159.2	161.0	163.3	165.8	168.3
167.5°	151.2	151.6	152.8	153.6	155.1	156.9	158.6	159.5	161.0	162.8	164.9
170°	152.5	152.8	153.7	154.4	155.1	156.6	157.8	158.5	159.4	161.0	162.6
172.5°	153.7	153.8	154.5	154.9	155.2	156.6	157.7	157.7	158.2	159.3	160.6
175°	155.1	154.7	155.3	155.3	155.7	156.3	156.9	156.6	156.6	157.2	157.8
177.5°	155.7	155.4	155.7	155.7	155.7	156.0	156.4	156.0	155.7	156.0	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1014.0	1014.3	1018.4	1021.5	1019.9	1021.8	1022.5
5°	1107.8	1124.6	1133.5	1140.0	1140.5	1140.9	1144.7
7.5°	1240.8	1258.8	1272.0	1292.0	1298.0	1304.8	1302.8
10°	1337.9	1364.5	1387.4	1399.5	1412.6	1431.7	1416.4
12.5°	1428.7	1475.9	1510.6	1529.6	1541.9	1545.7	1538.1
15°	1578.3	1639.9	1673.1	1672.1	1714.2	1732.4	1703.9
17.5°	1715.6	1772.5	1818.0	1841.4	1876.3	1884.1	1880.5
20°	1799.7	1861.7	1897.2	1937.3	1955.5	1971.8	1974.7
22.5°	1872.1	1927.8	1965.9	1999.3	2014.6	2022.3	2026.9
25°	1946.7	1990.6	2013.4	2025.1	2029.3	2028.4	2022.3
27.5°	1941.5	1944.9	1919.7	1895.0	1872.9	1847.9	1839.3
30°	1891.1	1851.9	1781.9	1742.2	1683.8	1637.6	1656.3
32.5°	1758.5	1680.5	1601.9	1515.1	1443.3	1422.9	1402.3
35°	1500.8	1363.6	1283.4	1189.9	1152.6	1115.3	1089.6
37.5°	1214.2	1108.0	1012.8	951.7	914.4	890.7	878.0
40°	1049.9	954.2	875.7	826.3	797.8	771.2	767.5
42.5°	918.8	829.8	770.8	731.4	704.1	692.8	684.6
45°	752.5	690.5	650.8	622.8	604.6	597.5	588.2
47.5°	636.9	593.1	563.3	544.2	530.5	525.3	524.5
50°	572.3	535.9	514.0	499.0	488.3	486.4	478.9
52.5°	523.8	492.2	475.1	462.1	454.3	449.1	446.8
55°	454.7	433.6	418.3	410.8	404.7	399.6	399.6
57.5°	397.8	380.3	370.1	363.7	361.9	358.2	355.9
60°	362.7	347.8	339.8	334.2	330.6	331.0	326.8
62.5°	328.3	318.7	311.1	305.5	301.0	301.1	301.4
65°	279.6	272.2	266.5	264.7	261.9	258.6	259.6
67.5°	236.9	230.0	225.6	222.4	221.5	219.7	222.4
70°	206.3	201.2	198.0	195.1	194.2	194.7	197.0
72.5°	178.3	174.7	172.5	171.2	169.2	169.2	170.9
75°	140.1	137.2	135.4	133.9	133.5	133.5	133.5
77.5°	102.9	102.3	101.4	99.3	99.4	100.0	100.0
80°	81.2	79.8	79.4	78.5	77.0	76.1	78.5
82.5°	60.7	59.3	58.9	58.7	56.4	56.3	58.2
85°	32.6	31.3	31.7	31.3	31.3	30.9	30.9
87.5°	13.2	12.9	12.7	12.9	12.7	12.3	13.0
90°	8.2	8.5	9.1	8.8	9.1	9.5	9.1
92.5°	21.0	18.5	16.9	16.4	15.4	15.8	15.2
95°	76.9	60.2	48.9	42.9	40.0	37.8	36.6
97.5°	226.5	185.8	148.2	124.9	110.8	102.2	99.5
100°	346.0	309.2	264.4	232.6	209.6	197.2	197.6
102.5°	400.2	378.7	350.4	325.6	307.4	297.1	289.8
105°	441.1	447.1	439.0	424.5	412.5	402.4	400.8
107.5°	436.0	463.6	474.8	475.1	471.0	467.6	464.8
110°	419.1	458.8	480.9	489.7	492.2	491.6	491.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	396.9	441.4	469.8	485.9	493.7	496.1	496.2
115°	361.4	407.8	442.1	465.7	479.6	485.9	487.5
117.5°	331.4	373.0	407.9	432.6	448.4	457.4	459.6
120°	314.8	352.6	384.4	409.3	427.0	434.5	436.4
122.5°	301.4	336.4	366.0	388.2	404.0	412.3	414.7
125°	284.9	315.1	340.4	360.5	374.3	382.3	384.4
127.5°	270.3	297.6	320.6	338.5	350.4	357.5	359.4
130°	261.3	286.8	308.2	324.9	336.3	342.9	345.4
132.5°	252.6	276.4	296.9	312.5	323.9	329.8	331.5
135°	240.4	260.9	278.8	294.4	303.8	309.4	311.7
137.5°	228.6	246.3	261.9	274.8	284.5	289.2	290.7
140°	221.9	236.9	250.5	262.5	271.3	276.3	276.1
142.5°	215.3	228.4	240.1	250.4	258.2	262.7	262.4
145°	206.7	216.8	226.0	233.8	240.4	243.0	243.6
147.5°	200.4	208.5	215.0	221.0	225.4	227.8	228.1
150°	196.4	203.0	208.9	213.7	217.1	219.0	219.0
152.5°	192.5	198.4	203.4	207.1	210.3	211.4	211.4
155°	187.2	191.9	195.6	198.5	201.1	201.7	202.0
157.5°	181.9	185.6	188.6	191.0	192.9	193.4	193.3
160°	178.7	181.8	184.0	186.2	188.2	188.2	187.8
162.5°	175.1	178.1	180.0	181.5	183.1	183.1	182.8
165°	170.1	172.4	174.0	175.2	176.5	176.1	176.1
167.5°	166.3	167.6	168.7	169.2	170.1	169.9	169.9
170°	163.5	164.8	165.4	165.8	166.4	166.0	166.0
172.5°	161.3	162.3	162.6	162.7	163.4	162.8	162.6
175°	158.2	158.8	158.8	158.8	159.2	158.8	158.5
177.5°	156.4	156.7	156.7	156.4	156.7	156.1	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7

(END OF REPORT)