

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: P331966-940

Luminaire Tested: **S123DIP-S775D585U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331966-940
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-S775D585U940-4F0-1E-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: 4800.4 lumens
Efficiency: N/A
Efficacy: 119.1 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

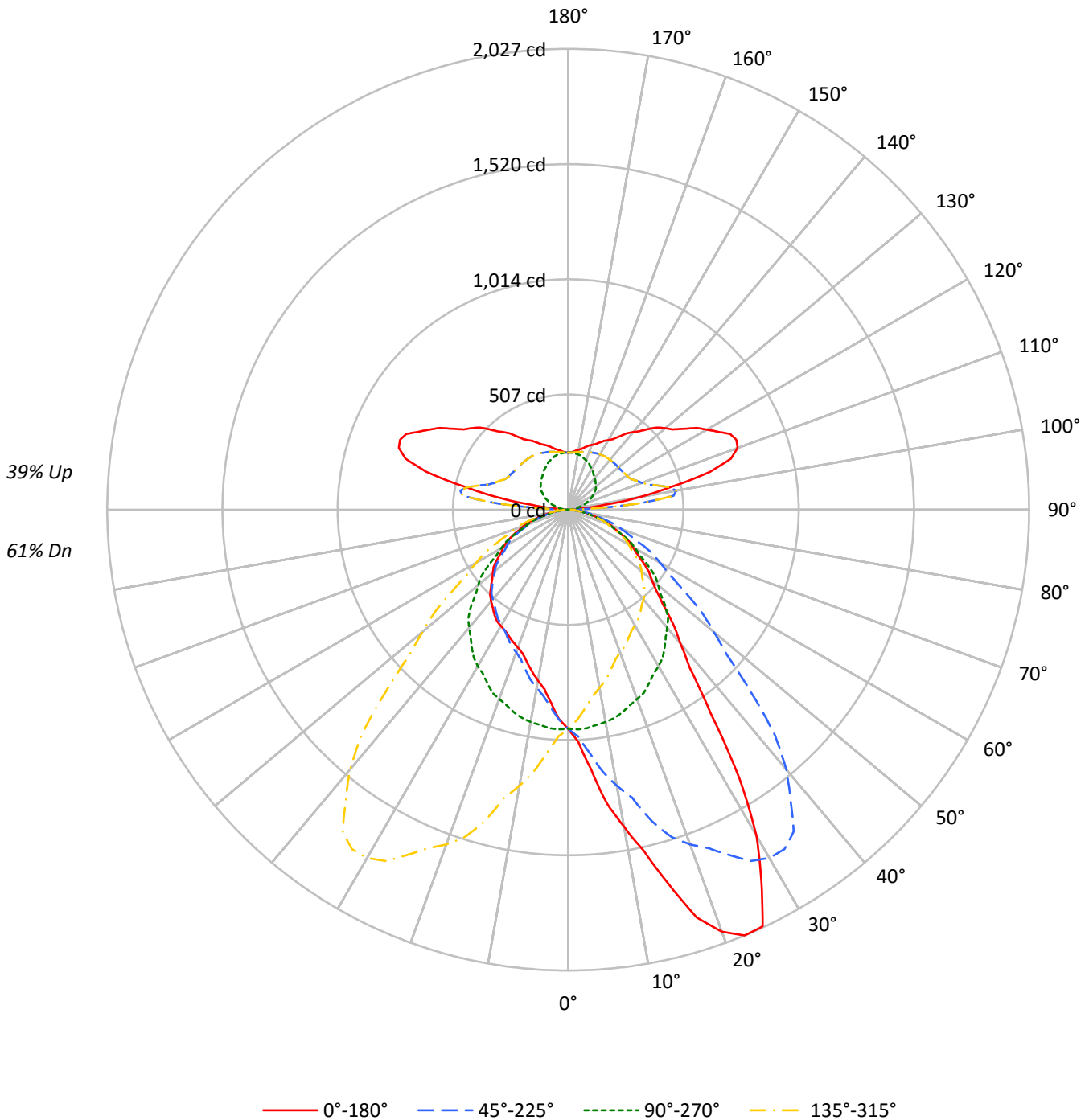
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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	2.0
10°-20°	304.3	6.3
20°-30°	510.8	10.6
30°-40°	578.4	12.0
40°-50°	518.7	10.8
50°-60°	418.6	8.7
60°-70°	291.7	6.1
70°-80°	153.3	3.2
80°-90°	39.4	0.8
90°-100°	139.8	2.9
100°-110°	395.9	8.2
110°-120°	389.5	8.1
120°-130°	310.7	6.5
130°-140°	244.9	5.1
140°-150°	182.8	3.8
150°-160°	127.4	2.7
160°-170°	74.9	1.6
170°-180°	24.4	0.5
0°-30°	910.1	19.0
0°-40°	1488.4	31.0
0°-60°	2425.7	50.5
0°-90°	2910.1	60.6
90°-120°	925.2	19.3
90°-150°	1663.7	34.7
90°-180°	1890.0	39.4
0°-180°	4800.4	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°	15	1	15	1	15	9
95°	59	17	59	17	59	106
105°	647	59	647	59	647	638
115°	787	104	787	104	787	764
125°	620	145	620	145	620	562
135°	503	170	503	170	503	390
145°	393	194	393	194	393	250
155°	326	220	326	220	326	152
165°	284	241	284	241	284	81
175°	256	251	256	251	256	25
180°	251	251	251	251	251	



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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°	14.2	13.5	13.8	14.1	13.8	13.9	14.2	14.5	14.8	15.2	15.3
90°	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8	12.2	12.8	11.1
92.5°	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8	59.0	78.2	86.1
95°	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1	244.6	301.6	268.6
97.5°	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5	500.1	467.4	342.1
100°	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7	581.8	481.6	325.5
102.5°	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3	585.9	455.2	301.1
105°	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2	554.9	408.9	271.1
107.5°	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1	500.6	368.0	252.0
110°	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8	466.4	344.8	244.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0	436.7	329.4	240.6
115°	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9	400.8	312.8	239.1
117.5°	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5	379.2	303.0	240.0
120°	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4	367.7	298.5	241.6
122.5°	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4	358.4	295.7	244.4
125°	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3	346.3	291.9	248.7
127.5°	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8	335.8	290.1	253.6
130°	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9	330.1	288.9	256.8
132.5°	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7	324.8	288.5	259.3
135°	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0	317.9	287.8	263.0
137.5°	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5	311.9	286.8	265.4
140°	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2	308.2	286.3	267.0
142.5°	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2	305.0	285.5	268.2
145°	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8	300.6	284.3	269.0
147.5°	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0	296.3	282.4	269.0
150°	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1	293.5	280.7	269.0
152.5°	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7	290.3	278.7	267.9
155°	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0	285.3	275.2	266.5
157.5°	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9	279.8	272.0	264.7
160°	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8	276.2	269.6	263.9
162.5°	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9	272.5	267.2	262.3
165°	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6	267.5	263.5	259.9
167.5°	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1	262.8	259.8	257.4
170°	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4	259.9	257.3	255.8
172.5°	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2	257.1	255.3	254.6
175°	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9	253.8	252.8	252.8
177.5°	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1	251.6	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



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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°	15.8	15.8	14.4	12.7	11.8	10.3	10.1	9.2	8.6	8.8	8.7
90°	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0	2.1	3.0	4.5
92.5°	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3	9.4	13.6	17.6
95°	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3	18.8	24.4	33.1
97.5°	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5	30.1	34.4	41.9
100°	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6	38.2	41.7	48.9
102.5°	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2	47.1	50.3	57.0
105°	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0	60.5	63.6	69.6
107.5°	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6	74.2	77.1	83.1
110°	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4	83.9	86.5	92.0



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3	92.9	95.4	101.0
115°	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2	106.3	109.3	114.4
117.5°	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2	119.5	122.1	126.7
120°	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2	127.7	130.2	135.3
122.5°	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8	135.4	137.9	143.4
125°	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0	146.0	149.0	154.6
127.5°	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4	154.9	158.7	164.3
130°	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7	160.2	164.8	170.9
132.5°	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7	164.7	169.7	177.0
135°	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9	171.9	177.5	185.1
137.5°	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6	178.7	184.2	192.3
140°	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1	183.6	188.7	196.8
142.5°	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9	188.1	193.6	200.9
145°	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8	195.3	199.9	207.5
147.5°	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7	202.6	207.1	213.7
150°	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0	207.5	211.6	218.2
152.5°	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3	212.4	216.5	222.3
155°	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3	220.3	223.3	228.4
157.5°	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5	226.9	229.3	233.9
160°	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4	231.4	233.4	237.6
162.5°	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1	235.1	236.7	240.0
165°	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6	240.0	241.1	243.6
167.5°	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8	244.2	244.6	246.6
170°	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2	246.2	246.6	248.2
172.5°	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8	248.2	248.3	249.4
175°	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7	250.2	249.8	250.7
177.5°	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6	251.3	250.8	251.3
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-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°	8.6	9.2	9.1	9.8	9.7	10.3	10.3	9.6	9.7	11.0	9.6
90°	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8	13.2	13.7	14.7
92.5°	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8	34.0	30.1	27.4
95°	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1	124.1	97.1	78.8
97.5°	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5	365.6	300.0	239.2
100°	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7	558.5	498.9	426.7
102.5°	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3	646.0	611.3	565.4
105°	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2	712.0	721.8	708.5
107.5°	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1	703.7	748.2	766.3
110°	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8	676.5	740.6	776.1



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0	640.6	712.5	758.2
115°	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9	583.4	658.2	713.5
117.5°	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5	534.9	602.1	658.4
120°	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4	508.1	569.1	620.5
122.5°	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4	486.5	543.1	590.8
125°	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3	459.8	508.6	549.3
127.5°	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8	436.3	480.4	517.4
130°	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9	421.6	462.8	497.4
132.5°	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7	407.8	446.1	479.1
135°	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0	388.1	421.2	450.1
137.5°	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5	369.1	397.5	422.7
140°	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2	358.0	382.5	404.3
142.5°	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2	347.5	368.6	387.6
145°	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8	333.7	349.9	364.7
147.5°	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0	323.3	336.5	347.0
150°	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1	316.8	327.5	337.2
152.5°	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7	310.8	320.2	328.2
155°	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0	302.1	309.8	315.8
157.5°	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9	293.6	299.6	304.3
160°	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8	288.4	293.5	297.0
162.5°	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9	282.7	287.4	290.5
165°	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6	274.6	278.2	280.7
167.5°	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1	268.4	270.5	272.3
170°	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4	263.9	266.0	267.0
172.5°	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2	260.3	261.9	262.5
175°	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9	255.3	256.4	256.4
177.5°	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1	252.4	252.9	252.9
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-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°	9.5	9.6	9.4	8.9	9.4	9.6	9.5	9.6	11.0	9.7	9.6
90°	14.3	14.7	15.2	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8
92.5°	26.5	24.9	25.4	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8
95°	69.2	64.6	61.0	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1
97.5°	201.6	178.7	165.0	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5
100°	375.3	338.2	318.4	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7
102.5°	525.5	496.1	479.5	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3
105°	685.1	665.8	649.5	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2
107.5°	766.8	760.3	754.7	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1
110°	790.4	794.4	793.4	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	784.3	796.9	800.8	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0
115°	751.7	774.1	784.3	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9
117.5°	698.1	723.7	738.4	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5
120°	660.7	689.2	701.3	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4
122.5°	626.5	652.1	665.6	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4
125°	581.8	604.2	617.0	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3
127.5°	546.4	565.4	576.9	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8
130°	524.4	542.7	553.4	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9
132.5°	504.4	522.7	532.2	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7
135°	475.0	490.3	499.4	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0
137.5°	443.6	459.1	466.8	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5
140°	423.7	437.9	446.0	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2
142.5°	404.1	416.8	424.1	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2
145°	377.4	388.1	392.2	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8
147.5°	356.6	363.8	367.7	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0
150°	344.8	350.4	353.5	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1
152.5°	334.2	339.5	341.3	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7
155°	320.4	324.5	325.5	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0
157.5°	308.4	311.4	312.2	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9
160°	300.6	303.6	303.6	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8
162.5°	292.8	295.5	295.5	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9
165°	282.8	284.8	284.3	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6
167.5°	273.2	274.6	274.1	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1
170°	267.5	268.6	268.0	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4
172.5°	262.6	263.7	262.8	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2
175°	256.4	256.8	256.4	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9
177.5°	252.4	252.9	252.1	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-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°	10.3	10.3	9.7	9.8	9.1	9.2	8.6	8.7	8.8	8.6	9.2
90°	12.2	12.8	11.1	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0
92.5°	59.0	78.2	86.1	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3
95°	244.6	301.6	268.6	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3
97.5°	500.1	467.4	342.1	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5
100°	581.8	481.6	325.5	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6
102.5°	585.9	455.2	301.1	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2
105°	554.9	408.9	271.1	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0
107.5°	500.6	368.0	252.0	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6
110°	466.4	344.8	244.6	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	436.7	329.4	240.6	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3
115°	400.8	312.8	239.1	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2
117.5°	379.2	303.0	240.0	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2
120°	367.7	298.5	241.6	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2
122.5°	358.4	295.7	244.4	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8
125°	346.3	291.9	248.7	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0
127.5°	335.8	290.1	253.6	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4
130°	330.1	288.9	256.8	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7
132.5°	324.8	288.5	259.3	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7
135°	317.9	287.8	263.0	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9
137.5°	311.9	286.8	265.4	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6
140°	308.2	286.3	267.0	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1
142.5°	305.0	285.5	268.2	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9
145°	300.6	284.3	269.0	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8
147.5°	296.3	282.4	269.0	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7
150°	293.5	280.7	269.0	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0
152.5°	290.3	278.7	267.9	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3
155°	285.3	275.2	266.5	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3
157.5°	279.8	272.0	264.7	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5
160°	276.2	269.6	263.9	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4
162.5°	272.5	267.2	262.3	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1
165°	267.5	263.5	259.9	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6
167.5°	262.8	259.8	257.4	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8
170°	259.9	257.3	255.8	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2
172.5°	257.1	255.3	254.6	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8
175°	253.8	252.8	252.8	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7
177.5°	251.6	251.3	251.6	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-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°	10.1	10.3	11.8	12.7	14.4	15.8	15.8	15.3	15.2	14.8	14.5
90°	2.1	3.0	4.5	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8
92.5°	9.4	13.6	17.6	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8
95°	18.8	24.4	33.1	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1
97.5°	30.1	34.4	41.9	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5
100°	38.2	41.7	48.9	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7
102.5°	47.1	50.3	57.0	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3
105°	60.5	63.6	69.6	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2
107.5°	74.2	77.1	83.1	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1
110°	83.9	86.5	92.0	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8



TEST NUMBER: P331966-940

CATALOG NUMBER: S123DIP-S775D585U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	92.9	95.4	101.0	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0
115°	106.3	109.3	114.4	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9
117.5°	119.5	122.1	126.7	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5
120°	127.7	130.2	135.3	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4
122.5°	135.4	137.9	143.4	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4
125°	146.0	149.0	154.6	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3
127.5°	154.9	158.7	164.3	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8
130°	160.2	164.8	170.9	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9
132.5°	164.7	169.7	177.0	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7
135°	171.9	177.5	185.1	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0
137.5°	178.7	184.2	192.3	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5
140°	183.6	188.7	196.8	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2
142.5°	188.1	193.6	200.9	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2
145°	195.3	199.9	207.5	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8
147.5°	202.6	207.1	213.7	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0
150°	207.5	211.6	218.2	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1
152.5°	212.4	216.5	222.3	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7
155°	220.3	223.3	228.4	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0
157.5°	226.9	229.3	233.9	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9
160°	231.4	233.4	237.6	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8
162.5°	235.1	236.7	240.0	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9
165°	240.0	241.1	243.6	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6
167.5°	244.2	244.6	246.6	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1
170°	246.2	246.6	248.2	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4
172.5°	248.2	248.3	249.4	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2
175°	250.2	249.8	250.7	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9
177.5°	251.3	250.8	251.3	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



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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°	14.2	13.9	13.8	14.1	13.8	13.5	14.2
90°	13.2	13.7	14.7	14.3	14.7	15.2	14.7
92.5°	34.0	30.1	27.4	26.5	24.9	25.4	24.5
95°	124.1	97.1	78.8	69.2	64.6	61.0	59.0
97.5°	365.6	300.0	239.2	201.6	178.7	165.0	160.6
100°	558.5	498.9	426.7	375.3	338.2	318.4	318.9
102.5°	646.0	611.3	565.4	525.5	496.1	479.5	467.8
105°	712.0	721.8	708.5	685.1	665.8	649.5	646.9
107.5°	703.7	748.2	766.3	766.8	760.3	754.7	750.1
110°	676.5	740.6	776.1	790.4	794.4	793.4	792.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	640.6	712.5	758.2	784.3	796.9	800.8	800.9
115°	583.4	658.2	713.5	751.7	774.1	784.3	786.8
117.5°	534.9	602.1	658.4	698.1	723.7	738.4	741.8
120°	508.1	569.1	620.5	660.7	689.2	701.3	704.5
122.5°	486.5	543.1	590.8	626.5	652.1	665.6	669.4
125°	459.8	508.6	549.3	581.8	604.2	617.0	620.5
127.5°	436.3	480.4	517.4	546.4	565.4	576.9	580.2
130°	421.6	462.8	497.4	524.4	542.7	553.4	557.4
132.5°	407.8	446.1	479.1	504.4	522.7	532.2	535.0
135°	388.1	421.2	450.1	475.0	490.3	499.4	503.0
137.5°	369.1	397.5	422.7	443.6	459.1	466.8	469.1
140°	358.0	382.5	404.3	423.7	437.9	446.0	445.5
142.5°	347.5	368.6	387.6	404.1	416.8	424.1	423.6
145°	333.7	349.9	364.7	377.4	388.1	392.2	393.2
147.5°	323.3	336.5	347.0	356.6	363.8	367.7	368.1
150°	316.8	327.5	337.2	344.8	350.4	353.5	353.5
152.5°	310.8	320.2	328.2	334.2	339.5	341.3	341.3
155°	302.1	309.8	315.8	320.4	324.5	325.5	326.0
157.5°	293.6	299.6	304.3	308.4	311.4	312.2	312.1
160°	288.4	293.5	297.0	300.6	303.6	303.6	303.1
162.5°	282.7	287.4	290.5	292.8	295.5	295.5	295.0
165°	274.6	278.2	280.7	282.8	284.8	284.3	284.3
167.5°	268.4	270.5	272.3	273.2	274.6	274.1	274.1
170°	263.9	266.0	267.0	267.5	268.6	268.0	268.0
172.5°	260.3	261.9	262.5	262.6	263.7	262.8	262.3
175°	255.3	256.4	256.4	256.4	256.8	256.4	255.8
177.5°	252.4	252.9	252.9	252.4	252.9	252.1	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3

(END OF REPORT)