

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: P331314

Luminaire Tested: **S122DIP-S485D925U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331314
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D925U835-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5759.9 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

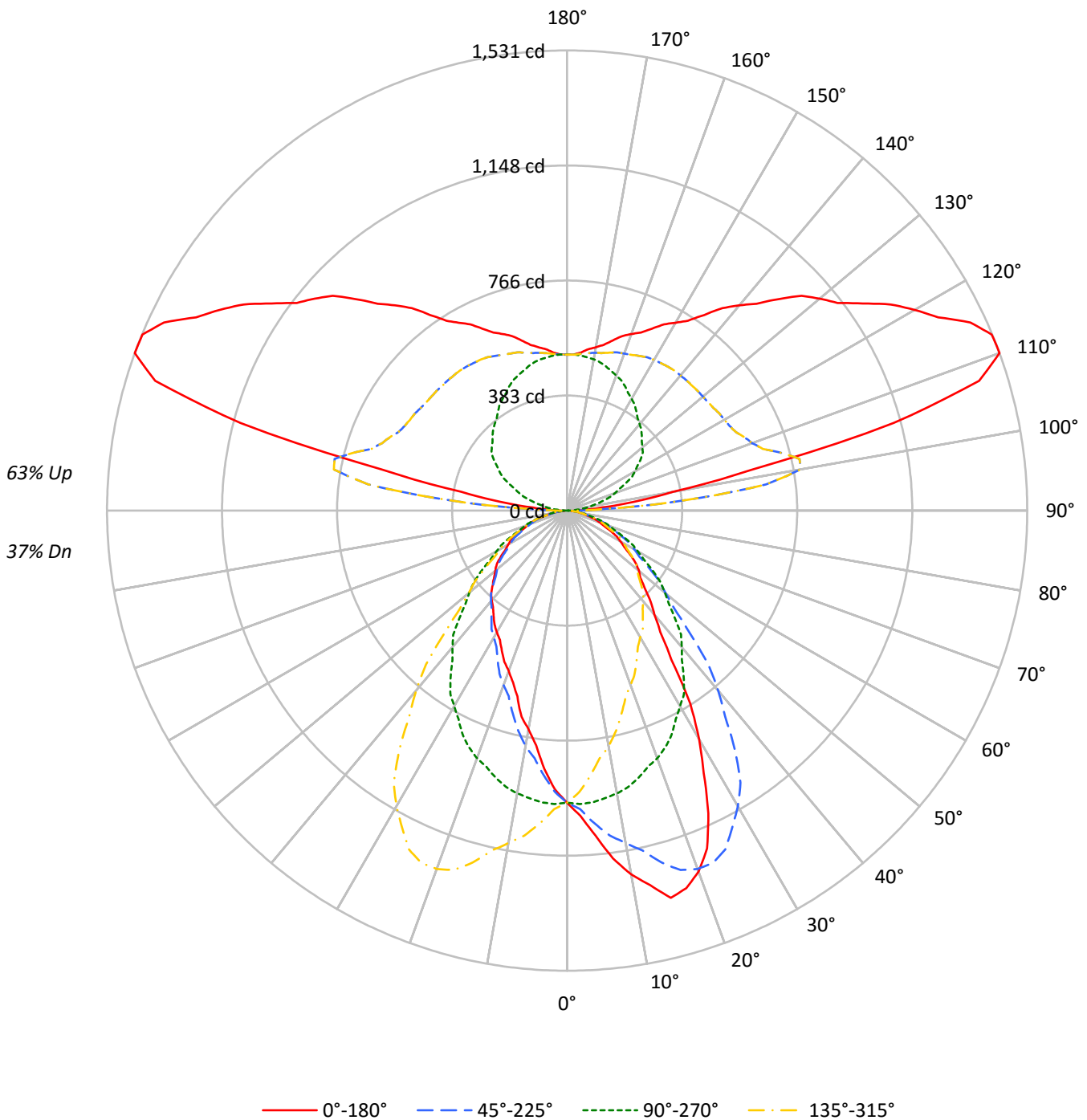
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																										
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37								
1	95	91	87	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32								
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27								
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24								
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	29	26	25	21								
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18								
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16								
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	14								
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	17	16	13								
9	49	38	30	26	45	35	28	24	29	24	21	24	20	17	18	16	14	12								
10	46	34	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13	11								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15689	15689	15689	15689
5°	17590	15793	13994	15793
10°	20156	15662	12111	15662
15°	22298	15375	10700	15375
20°	21959	15067	9754	15067
25°	19800	14656	9155	14656
30°	16362	14001	8718	14001
35°	11925	13316	8406	13316
40°	9525	12507	8233	12507
45°	8323	11572	7999	11572
50°	7824	10665	7842	10665
55°	7212	9745	7631	9745
60°	6610	8767	7308	8767
65°	6021	7889	6991	7889
70°	5467	7034	6524	7034
75°	4847	6082	5777	6082
80°	4166	5040	4649	5040
85°	3742	3742	2760	3742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.6
10°-20°	269.0	4.7
20°-30°	390.5	6.8
30°-40°	412.0	7.2
40°-50°	364.8	6.3
50°-60°	291.1	5.1
60°-70°	197.9	3.4
70°-80°	101.5	1.8
80°-90°	29.1	0.5
90°-100°	207.5	3.6
100°-110°	704.2	12.2
110°-120°	748.1	13.0
120°-130°	615.8	10.7
130°-140°	494.5	8.6
140°-150°	373.7	6.5
150°-160°	262.6	4.6
160°-170°	154.6	2.7
170°-180°	50.3	0.9
0°-30°	752.0	13.1
0°-40°	1164.1	20.2
0°-60°	1820.1	31.6
0°-90°	2148.5	37.3
90°-120°	1659.8	28.8
90°-150°	3143.8	54.6
90°-180°	3611.0	62.7
0°-180°	5759.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	972	972	972	972	972	
5°	1085	974	863	974	1085	108
15°	1334	920	640	920	1334	368
25°	1111	823	514	823	1111	502
35°	605	676	426	676	605	393
45°	364	507	350	507	364	287
55°	256	346	271	346	256	230
65°	158	206	183	206	158	157
75°	78	98	93	98	78	83
85°	20	20	15	20	20	23
90°	33	1	33	1	33	19
95°	114	35	114	35	114	148
105°	1125	122	1125	122	1125	1088
115°	1480	215	1480	215	1480	1449
125°	1201	299	1201	299	1201	1085
135°	995	351	995	351	995	773
145°	794	401	794	401	794	505
155°	668	456	668	456	668	312
165°	586	497	586	497	586	168
175°	528	518	528	518	528	51
180°	519	519	519	519	519	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	1016.6	1016.9	1017.4	1012.7	1012.1	1012.1	1007.9	1004.3	1000.1	994.4	995.0
5°	1085.3	1089.4	1090.9	1086.4	1079.7	1078.9	1072.6	1062.1	1052.4	1044.6	1039.0
7.5°	1167.3	1168.9	1165.3	1159.4	1154.4	1145.4	1133.6	1122.0	1105.8	1090.9	1079.9
10°	1229.4	1231.7	1225.3	1216.7	1209.6	1199.2	1182.0	1164.4	1143.2	1122.6	1106.2
12.5°	1276.6	1282.2	1274.0	1272.9	1260.7	1246.4	1225.9	1217.0	1187.1	1158.5	1140.8
15°	1334.0	1333.6	1334.4	1327.3	1318.3	1316.1	1294.4	1270.9	1228.7	1211.9	1182.7
17.5°	1317.4	1323.1	1325.7	1325.6	1325.4	1324.0	1317.0	1302.2	1281.0	1253.8	1220.2
20°	1278.0	1285.4	1286.6	1295.2	1300.0	1306.4	1309.0	1304.9	1291.8	1269.0	1239.9
22.5°	1217.0	1219.1	1222.6	1236.0	1246.5	1262.4	1270.7	1284.5	1279.5	1268.4	1244.1
25°	1111.4	1107.7	1120.7	1127.5	1151.7	1177.1	1195.4	1215.6	1233.5	1244.4	1237.3
27.5°	984.6	979.0	998.6	1016.4	1036.1	1063.6	1092.1	1125.8	1153.8	1188.9	1200.9
30°	877.6	881.0	899.7	918.7	948.6	987.4	1019.5	1056.5	1096.5	1135.7	1162.9
32.5°	762.3	775.2	787.0	816.2	842.5	885.8	932.9	979.1	1029.0	1073.5	1115.7
35°	605.0	619.9	636.4	657.7	694.6	737.6	783.5	845.9	913.9	974.7	1024.8
37.5°	509.2	506.9	516.3	531.7	561.6	596.3	649.1	710.8	790.8	862.3	932.9
40°	451.9	450.4	457.1	471.3	494.1	519.5	565.8	619.9	694.3	781.6	865.7
42.5°	412.4	413.3	417.1	427.1	442.7	463.6	498.3	544.4	612.4	694.7	785.0
45°	364.5	367.1	371.2	376.1	385.0	402.2	421.6	454.5	508.3	577.0	665.9
47.5°	330.0	330.1	334.2	338.5	343.8	353.5	369.4	390.0	427.9	483.9	560.3
50°	311.5	308.8	311.8	315.2	320.8	327.5	338.0	357.4	382.8	428.0	491.8
52.5°	288.8	288.8	291.5	292.8	297.8	304.5	314.1	327.5	350.5	385.9	438.4
55°	256.2	258.1	259.6	261.8	266.3	271.1	278.6	287.6	305.5	332.0	370.8
57.5°	225.6	226.2	227.7	231.9	234.8	239.2	246.3	254.5	266.1	285.8	315.0
60°	204.7	204.7	207.6	209.5	213.2	217.7	223.3	231.2	241.6	257.7	281.2
62.5°	185.5	185.2	186.4	189.5	192.3	196.5	202.1	208.8	218.6	232.9	252.2
65°	157.6	156.9	159.1	159.8	162.8	166.9	171.4	178.5	186.4	196.8	214.0
67.5°	130.7	131.6	132.8	134.2	135.9	140.2	143.2	148.2	154.8	163.5	175.2
70°	115.8	115.8	115.8	116.9	119.1	121.4	124.4	128.5	134.8	142.3	152.7
72.5°	99.0	100.2	101.4	100.8	103.6	104.9	108.5	110.8	116.9	121.7	130.9
75°	77.7	77.7	77.7	79.5	80.7	81.8	84.0	86.3	89.3	95.2	100.1
77.5°	58.0	57.8	58.2	58.6	59.8	61.2	61.8	63.9	66.6	69.4	73.5
80°	44.8	45.6	45.9	46.7	46.7	47.4	47.8	50.4	52.3	54.2	56.8
82.5°	34.7	34.8	34.9	35.0	35.3	35.8	36.7	37.6	38.2	39.8	41.8
85°	20.2	19.8	19.8	20.5	20.2	20.2	20.9	21.7	21.7	22.0	23.2
87.5°	14.4	14.4	14.7	14.4	14.4	14.5	14.1	14.2	14.7	15.2	15.3
90°	32.9	32.9	32.9	32.9	32.9	31.9	29.9	31.9	32.9	33.9	32.9
92.5°	55.3	56.9	56.1	59.3	60.1	66.3	74.7	87.0	109.6	129.7	127.9
95°	113.8	112.8	115.8	123.8	136.7	158.7	200.6	261.5	342.3	391.2	346.3
97.5°	224.0	232.3	246.9	271.5	319.2	391.2	499.2	610.2	700.6	667.9	503.0
100°	357.3	375.3	404.2	447.1	530.0	650.7	787.4	911.2	932.2	788.4	542.9
102.5°	628.8	653.1	689.2	762.5	852.5	980.5	1080.5	1108.4	1018.4	792.4	527.8
105°	1124.8	1138.7	1181.7	1243.5	1305.4	1338.4	1325.4	1212.6	1005.0	739.5	498.0
107.5°	1436.8	1455.3	1463.9	1467.3	1459.5	1411.2	1307.4	1137.6	917.4	682.9	483.2
110°	1531.0	1532.0	1523.0	1504.0	1461.1	1379.3	1251.5	1072.9	862.3	655.7	480.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1529.4	1524.0	1507.0	1475.3	1415.6	1321.8	1185.3	1013.8	824.0	638.1	480.8
115°	1480.1	1471.1	1445.1	1399.2	1328.4	1225.6	1094.8	941.1	776.5	618.8	485.0
117.5°	1392.0	1384.5	1357.1	1308.6	1236.4	1139.9	1021.4	886.4	746.5	609.4	492.2
120°	1335.4	1325.4	1296.4	1249.5	1179.7	1088.8	983.1	859.3	730.6	603.8	497.0
122.5°	1276.3	1267.9	1242.1	1196.0	1133.4	1051.3	951.1	837.7	717.0	600.6	502.6
125°	1200.6	1192.6	1167.7	1129.8	1071.9	997.0	909.2	806.4	697.6	594.8	511.0
127.5°	1134.4	1128.0	1106.4	1070.9	1020.4	951.3	868.5	775.5	679.7	591.4	519.6
130°	1096.8	1088.8	1068.9	1035.0	986.1	920.2	841.3	755.5	667.7	589.8	526.0
132.5°	1057.7	1050.5	1032.2	998.2	950.1	888.2	815.8	736.3	658.1	589.0	532.3
135°	995.0	991.0	973.1	940.1	897.2	841.3	775.5	709.6	644.7	587.8	539.9
137.5°	933.6	927.6	911.8	883.5	844.3	795.6	743.3	688.2	635.3	587.6	546.7
140°	891.2	885.3	870.3	844.3	812.4	768.5	722.6	674.7	629.8	586.8	549.9
142.5°	848.9	847.7	834.4	810.8	780.5	743.7	704.2	663.5	624.2	586.8	552.3
145°	794.4	791.4	781.5	764.5	740.5	711.6	680.7	647.7	616.8	584.8	554.9
147.5°	748.7	746.9	740.1	726.6	706.8	685.6	661.5	635.5	609.2	581.3	555.7
150°	721.6	720.6	714.6	702.6	687.6	669.7	648.7	626.8	602.8	578.9	554.9
152.5°	698.4	698.2	693.8	683.4	671.7	656.1	638.3	618.0	597.2	574.9	553.3
155°	667.7	669.7	665.7	658.7	647.7	636.7	621.8	605.8	586.8	567.9	550.9
157.5°	641.5	641.5	639.7	633.9	626.2	617.6	605.0	591.6	577.1	560.7	546.3
160°	624.8	624.8	623.8	618.8	611.8	604.8	593.8	582.8	569.9	555.9	543.9
162.5°	608.8	609.6	608.6	605.2	598.2	592.8	583.4	574.1	563.5	551.9	541.5
165°	585.8	586.8	586.8	582.8	578.9	574.9	567.9	560.9	552.9	543.9	536.9
167.5°	564.7	565.9	566.1	563.9	562.1	558.5	553.7	548.3	542.5	536.9	532.3
170°	551.9	553.9	554.9	551.9	550.9	548.9	544.9	541.9	536.9	532.9	530.0
172.5°	541.5	542.7	543.7	542.3	541.3	540.1	536.9	534.7	531.4	528.2	526.8
175°	528.0	530.0	531.0	530.0	530.0	529.0	528.0	527.0	524.0	523.0	522.0
177.5°	519.8	521.4	522.2	522.2	522.2	522.2	521.4	521.4	519.8	519.0	519.8
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	997.1	994.7	993.2	987.9	983.1	978.3	976.8	977.4	970.8	964.6	961.9
5°	1036.0	1028.5	1021.4	1011.3	999.4	986.3	979.6	974.4	961.3	947.1	938.9
7.5°	1070.8	1060.1	1046.4	1027.5	1010.1	989.5	976.4	964.9	945.7	925.7	913.5
10°	1092.0	1077.4	1059.9	1036.7	1015.4	990.4	972.9	955.3	932.9	909.0	894.1
12.5°	1110.2	1090.6	1073.3	1043.6	1018.4	987.1	966.3	941.6	918.0	889.6	874.9
15°	1153.6	1117.4	1084.5	1050.9	1019.9	976.2	953.1	919.8	888.8	853.7	836.9
17.5°	1187.1	1146.4	1094.7	1052.0	1015.8	967.4	933.4	893.6	856.9	816.8	794.0
20°	1206.3	1159.6	1103.9	1053.2	1009.8	954.6	917.6	876.9	833.9	788.7	764.1
22.5°	1217.6	1168.6	1113.5	1048.7	997.9	944.1	897.6	853.0	809.4	760.7	734.8
25°	1221.2	1176.4	1118.1	1044.9	982.9	922.1	866.0	822.7	770.1	724.5	686.8
27.5°	1203.4	1171.3	1115.3	1037.9	965.7	894.5	832.1	783.0	727.4	678.0	640.0
30°	1181.6	1162.9	1108.4	1030.7	951.9	875.4	806.7	751.0	695.8	645.7	606.9
32.5°	1147.9	1143.8	1095.9	1020.6	937.3	851.2	780.1	723.8	662.6	613.4	576.4
35°	1081.5	1099.5	1069.2	997.9	909.7	816.8	739.8	675.6	612.1	565.0	530.3
37.5°	992.7	1037.2	1029.3	964.6	872.5	779.3	694.3	627.2	566.7	519.2	485.1
40°	931.4	988.2	996.4	939.2	846.3	750.3	660.3	593.4	534.4	491.1	456.7
42.5°	865.7	932.0	954.6	908.8	817.6	719.8	629.8	560.6	502.2	460.0	429.6
45°	755.5	843.3	884.0	857.8	769.7	669.6	577.0	506.8	453.8	414.2	390.6
47.5°	652.5	748.4	803.2	793.9	716.4	617.3	525.8	458.4	406.8	375.2	354.1
50°	579.6	678.2	744.3	747.3	678.2	580.0	488.1	424.6	377.2	347.7	330.5
52.5°	516.3	610.4	682.5	698.3	635.5	541.1	454.3	391.2	349.4	322.3	306.9
55°	433.6	513.1	593.1	622.2	571.8	482.1	401.8	346.2	307.0	288.3	274.9
57.5°	360.5	426.8	500.6	532.8	501.7	425.0	349.7	301.4	269.6	253.2	242.9
60°	321.9	374.2	439.9	478.4	451.5	383.2	317.4	271.5	245.4	230.8	221.1
62.5°	286.1	332.4	387.9	423.1	408.5	344.0	285.2	244.6	222.1	208.4	201.4
65°	236.0	272.6	315.6	348.1	338.4	289.4	241.3	206.5	188.6	177.8	172.2
67.5°	194.3	220.8	250.6	279.0	271.2	236.5	197.9	170.8	157.4	148.1	144.8
70°	168.1	188.2	214.7	237.5	231.2	202.8	172.2	149.0	137.4	129.6	126.2
72.5°	143.0	159.5	179.8	198.4	194.1	170.5	145.0	127.5	118.6	111.4	108.6
75°	107.9	120.6	133.0	145.3	144.2	125.9	110.9	97.5	90.4	84.8	83.7
77.5°	79.7	86.8	95.2	102.5	100.5	90.0	78.3	70.6	65.4	61.6	61.0
80°	60.9	65.0	71.0	76.2	73.6	69.1	59.8	54.2	50.4	46.7	45.2
82.5°	44.1	48.3	51.8	54.7	52.7	48.5	42.7	38.9	36.7	34.1	33.5
85°	23.2	25.4	26.9	27.6	26.9	24.3	21.7	20.2	18.3	17.2	16.8
87.5°	14.4	13.0	12.0	12.0	10.7	10.3	8.3	6.8	7.1	7.6	7.4
90°	26.9	20.0	15.0	12.0	10.0	8.0	4.0	1.0	4.0	8.0	10.0
92.5°	99.6	67.9	45.3	35.9	29.1	24.8	17.6	12.2	17.6	24.8	29.1
95°	230.5	143.7	97.8	73.9	57.9	48.9	38.9	34.9	38.9	48.9	57.9
97.5°	310.6	189.6	131.9	104.8	86.4	72.9	62.3	56.9	62.3	72.9	86.4
100°	327.4	205.6	152.7	124.8	104.8	88.8	79.8	76.8	79.8	88.8	104.8
102.5°	328.2	220.0	171.1	143.1	122.4	106.4	97.4	95.2	97.4	106.4	122.4
105°	333.3	244.5	197.6	169.7	147.7	132.7	125.8	121.8	125.8	132.7	147.7
107.5°	347.1	269.7	224.2	196.0	174.3	160.5	153.7	150.5	153.7	160.5	174.3
110°	358.3	286.4	242.5	213.6	192.6	179.6	173.7	169.7	173.7	179.6	192.6



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	370.3	302.4	260.1	230.3	210.2	198.0	191.2	187.2	191.2	198.0	210.2
115°	388.2	327.4	284.4	257.5	237.5	225.6	219.6	214.6	219.6	225.6	237.5
117.5°	407.4	350.3	310.6	282.6	263.5	252.9	246.9	242.9	246.9	252.9	263.5
120°	420.2	366.3	327.4	299.4	279.4	270.5	264.5	260.5	264.5	270.5	279.4
122.5°	431.3	381.4	344.9	316.2	296.2	286.4	280.4	277.3	280.4	286.4	296.2
125°	449.1	404.2	368.3	340.3	320.4	308.4	302.4	299.4	302.4	308.4	320.4
127.5°	465.7	425.4	390.4	361.7	342.5	329.3	321.0	317.0	321.0	329.3	342.5
130°	476.1	438.1	403.2	375.3	355.3	341.3	331.3	327.4	331.3	341.3	355.3
132.5°	486.4	449.3	416.0	388.0	367.3	352.5	341.7	336.9	341.7	352.5	367.3
135°	500.0	465.1	433.1	405.2	382.2	367.3	355.3	351.3	355.3	367.3	382.2
137.5°	510.4	477.9	446.3	420.4	397.6	381.6	369.7	364.9	369.7	381.6	397.6
140°	516.0	485.0	455.1	429.2	407.2	391.2	379.3	375.3	379.3	391.2	407.2
142.5°	520.8	490.6	461.5	437.1	416.0	400.0	388.8	385.6	388.8	400.0	416.0
145°	527.0	499.0	472.1	450.1	430.2	415.2	405.2	401.2	405.2	415.2	430.2
147.5°	530.4	505.8	480.5	460.9	444.3	430.5	421.0	418.0	421.0	430.5	444.3
150°	531.9	509.0	486.0	468.1	453.1	440.1	432.1	429.2	432.1	440.1	453.1
152.5°	532.7	512.2	491.6	475.3	461.1	449.7	441.7	440.3	441.7	449.7	461.1
155°	533.9	517.0	500.0	485.0	474.1	463.1	457.1	456.1	457.1	463.1	474.1
157.5°	533.9	520.4	506.0	493.4	484.6	475.1	470.3	469.3	470.3	475.1	484.6
160°	533.9	522.0	510.0	499.0	491.0	483.0	479.1	478.1	479.1	483.0	491.0
162.5°	533.1	522.8	512.4	503.8	496.6	490.2	486.2	486.8	486.2	490.2	496.6
165°	531.0	524.0	515.0	509.0	504.0	498.0	496.0	497.0	496.0	498.0	504.0
167.5°	529.6	523.8	517.2	513.4	509.8	506.0	504.2	505.4	504.2	506.0	509.8
170°	528.0	523.0	518.0	515.0	513.0	510.0	509.0	511.0	509.0	510.0	513.0
172.5°	525.6	522.2	518.8	516.6	515.4	512.4	513.0	514.2	513.0	512.4	515.4
175°	523.0	521.0	519.0	518.0	518.0	516.0	517.0	518.0	517.0	516.0	518.0
177.5°	521.4	519.8	519.0	519.0	519.0	517.4	518.2	519.8	518.2	517.4	519.0
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	958.9	957.1	950.8	947.5	942.2	937.1	933.8	935.3	936.5	935.9	935.0
5°	931.4	924.3	913.5	904.1	897.4	885.1	879.9	877.3	875.0	872.4	869.8
7.5°	898.7	887.5	872.0	858.7	846.1	830.8	822.1	816.8	811.4	805.5	800.3
10°	875.4	859.7	843.3	824.6	809.7	795.8	783.5	775.3	767.8	760.7	755.5
12.5°	850.9	832.8	812.5	787.0	770.5	750.7	748.9	734.4	722.7	718.3	712.2
15°	811.9	786.5	760.7	730.5	717.4	699.5	688.3	677.1	667.0	659.9	658.0
17.5°	767.6	734.7	709.1	687.4	666.0	647.6	637.3	628.3	620.0	610.5	609.3
20°	733.8	705.5	677.5	658.4	636.4	617.7	605.0	596.0	588.9	583.3	578.5
22.5°	701.9	670.8	645.2	624.3	602.6	587.5	577.5	568.9	563.0	556.8	552.2
25°	650.6	626.3	598.3	574.8	556.8	547.1	538.9	531.4	527.7	523.6	518.4
27.5°	605.7	578.7	552.5	534.3	518.5	509.9	504.1	499.0	495.5	493.1	490.1
30°	574.0	546.7	526.2	508.3	495.2	486.6	482.9	479.9	475.8	474.3	472.8
32.5°	543.5	519.0	501.4	485.9	473.4	467.8	464.4	461.7	458.5	457.0	454.0
35°	500.4	479.9	462.7	454.1	444.0	439.2	436.6	432.8	429.9	428.4	428.0
37.5°	459.9	442.0	430.7	419.7	415.4	412.4	408.9	406.3	405.4	405.2	404.8
40°	433.6	419.0	408.9	400.0	398.1	393.6	390.6	388.4	388.4	388.8	388.4
42.5°	409.7	396.6	387.7	380.0	377.8	375.1	372.1	372.0	372.6	373.8	372.6
45°	373.5	364.1	357.8	354.0	349.9	347.3	346.9	348.1	348.4	348.8	349.9
47.5°	340.1	333.9	328.2	324.1	322.3	321.8	321.4	323.3	325.1	325.8	327.5
50°	320.4	313.3	308.5	305.9	304.4	303.6	304.4	306.6	308.1	310.0	311.1
52.5°	298.3	293.3	290.0	287.9	287.3	287.8	287.9	290.5	292.9	293.5	294.1
55°	267.8	264.0	263.3	259.9	261.4	261.0	262.9	264.4	266.6	268.9	269.3
57.5°	237.3	234.3	232.3	232.6	233.0	234.7	236.2	238.9	241.3	243.6	243.9
60°	217.0	215.5	214.4	214.4	215.1	217.4	219.2	221.8	223.3	224.8	225.9
62.5°	198.5	197.0	195.8	196.4	198.4	199.7	201.9	203.3	204.8	206.3	206.8
65°	169.2	168.4	169.6	170.3	170.7	172.5	175.2	176.3	177.8	178.5	181.1
67.5°	142.2	142.4	142.2	143.3	145.4	145.9	148.3	151.0	151.3	152.7	154.4
70°	124.0	124.7	125.5	126.2	128.1	128.8	130.7	131.8	133.3	134.4	135.6
72.5°	107.3	107.4	108.2	108.0	109.6	111.2	112.8	113.9	115.4	116.8	117.9
75°	82.5	82.5	83.3	83.7	85.5	87.4	87.0	87.8	89.3	90.8	91.5
77.5°	60.3	59.5	60.3	60.6	61.2	62.8	63.1	64.2	65.9	65.4	66.2
80°	45.9	44.8	45.9	46.3	46.3	48.2	48.2	48.9	50.0	48.9	50.0
82.5°	32.8	32.3	33.1	33.2	33.8	33.8	34.4	34.6	35.7	35.2	35.7
85°	16.4	16.1	16.4	16.1	16.4	16.8	16.8	16.4	16.4	17.2	16.1
87.5°	7.5	7.8	8.5	9.9	10.8	10.7	10.2	10.0	9.6	9.4	9.6
90°	12.0	15.0	20.0	26.9	32.9	33.9	32.9	31.9	29.9	31.9	32.9
92.5°	35.9	45.3	67.9	99.6	127.9	129.7	109.6	87.0	74.7	66.3	60.1
95°	73.9	97.8	143.7	230.5	346.3	391.2	342.3	261.5	200.6	158.7	136.7
97.5°	104.8	131.9	189.6	310.6	503.0	667.9	700.6	610.2	499.2	391.2	319.2
100°	124.8	152.7	205.6	327.4	542.9	788.4	932.2	911.2	787.4	650.7	530.0
102.5°	143.1	171.1	220.0	328.2	527.8	792.4	1018.4	1108.4	1080.5	980.5	852.5
105°	169.7	197.6	244.5	333.3	498.0	739.5	1005.0	1212.6	1325.4	1338.4	1305.4
107.5°	196.0	224.2	269.7	347.1	483.2	682.9	917.4	1137.6	1307.4	1411.2	1459.5
110°	213.6	242.5	286.4	358.3	480.1	655.7	862.3	1072.9	1251.5	1379.3	1461.1



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	230.3	260.1	302.4	370.3	480.8	638.1	824.0	1013.8	1185.3	1321.8	1415.6
115°	257.5	284.4	327.4	388.2	485.0	618.8	776.5	941.1	1094.8	1225.6	1328.4
117.5°	282.6	310.6	350.3	407.4	492.2	609.4	746.5	886.4	1021.4	1139.9	1236.4
120°	299.4	327.4	366.3	420.2	497.0	603.8	730.6	859.3	983.1	1088.8	1179.7
122.5°	316.2	344.9	381.4	431.3	502.6	600.6	717.0	837.7	951.1	1051.3	1133.4
125°	340.3	368.3	404.2	449.1	511.0	594.8	697.6	806.4	909.2	997.0	1071.9
127.5°	361.7	390.4	425.4	465.7	519.6	591.4	679.7	775.5	868.5	951.3	1020.4
130°	375.3	403.2	438.1	476.1	526.0	589.8	667.7	755.5	841.3	920.2	986.1
132.5°	388.0	416.0	449.3	486.4	532.3	589.0	658.1	736.3	815.8	888.2	950.1
135°	405.2	433.1	465.1	500.0	539.9	587.8	644.7	709.6	775.5	841.3	897.2
137.5°	420.4	446.3	477.9	510.4	546.7	587.6	635.3	688.2	743.3	795.6	844.3
140°	429.2	455.1	485.0	516.0	549.9	586.8	629.8	674.7	722.6	768.5	812.4
142.5°	437.1	461.5	490.6	520.8	552.3	586.8	624.2	663.5	704.2	743.7	780.5
145°	450.1	472.1	499.0	527.0	554.9	584.8	616.8	647.7	680.7	711.6	740.5
147.5°	460.9	480.5	505.8	530.4	555.7	581.3	609.2	635.5	661.5	685.6	706.8
150°	468.1	486.0	509.0	531.9	554.9	578.9	602.8	626.8	648.7	669.7	687.6
152.5°	475.3	491.6	512.2	532.7	553.3	574.9	597.2	618.0	638.3	656.1	671.7
155°	485.0	500.0	517.0	533.9	550.9	567.9	586.8	605.8	621.8	636.7	647.7
157.5°	493.4	506.0	520.4	533.9	546.3	560.7	577.1	591.6	605.0	617.6	626.2
160°	499.0	510.0	522.0	533.9	543.9	555.9	569.9	582.8	593.8	604.8	611.8
162.5°	503.8	512.4	522.8	533.1	541.5	551.9	563.5	574.1	583.4	592.8	598.2
165°	509.0	515.0	524.0	531.0	536.9	543.9	552.9	560.9	567.9	574.9	578.9
167.5°	513.4	517.2	523.8	529.6	532.3	536.9	542.5	548.3	553.7	558.5	562.1
170°	515.0	518.0	523.0	528.0	530.0	532.9	536.9	541.9	544.9	548.9	550.9
172.5°	516.6	518.8	522.2	525.6	526.8	528.2	531.4	534.7	536.9	540.1	541.3
175°	518.0	519.0	521.0	523.0	522.0	523.0	524.0	527.0	528.0	529.0	530.0
177.5°	519.0	519.0	519.8	521.4	519.8	519.0	519.8	521.4	521.4	522.2	522.2
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	932.0	931.4	931.4	928.7	931.4	931.4	932.0	935.0	935.9	936.5	935.3
5°	864.6	863.4	861.6	863.4	861.6	863.4	864.6	869.8	872.4	875.0	877.3
7.5°	797.9	793.4	792.7	788.3	792.7	793.4	797.9	800.3	805.5	811.4	816.8
10°	749.2	746.2	745.8	738.7	745.8	746.2	749.2	755.5	760.7	767.8	775.3
12.5°	712.1	704.9	706.4	702.3	706.4	704.9	712.1	712.2	718.3	722.7	734.4
15°	647.9	647.9	646.5	640.1	646.5	647.9	647.9	658.0	659.9	667.0	677.1
17.5°	601.9	601.1	597.5	599.3	597.5	601.1	601.9	609.3	610.5	620.0	628.3
20°	574.4	572.1	567.7	567.7	567.7	572.1	574.4	578.5	583.3	588.9	596.0
22.5°	548.4	548.2	543.5	545.0	543.5	548.2	548.4	552.2	556.8	563.0	568.9
25°	518.0	515.0	512.8	513.9	512.8	515.0	518.0	518.4	523.6	527.7	531.4
27.5°	489.2	487.5	487.4	484.3	487.4	487.5	489.2	490.1	493.1	495.5	499.0
30°	472.4	468.7	469.4	467.6	469.4	468.7	472.4	472.8	474.3	475.8	479.9
32.5°	453.3	452.0	451.2	449.6	451.2	452.0	453.3	454.0	457.0	458.5	461.7
35°	427.2	427.6	425.7	426.5	425.7	427.6	427.2	428.0	428.4	429.9	432.8
37.5°	404.5	405.7	404.8	405.0	404.8	405.7	404.5	404.8	405.2	405.4	406.3
40°	389.5	389.5	389.5	390.6	389.5	389.5	389.5	388.4	388.8	388.4	388.4
42.5°	375.2	374.6	374.0	373.9	374.0	374.6	375.2	372.6	373.8	372.6	372.0
45°	350.7	351.8	352.2	350.3	352.2	351.8	350.7	349.9	348.8	348.4	348.1
47.5°	328.5	328.6	328.5	330.1	328.5	328.6	328.5	327.5	325.8	325.1	323.3
50°	313.0	312.2	313.0	312.2	313.0	312.2	313.0	311.1	310.0	308.1	306.6
52.5°	296.5	296.7	296.2	296.1	296.2	296.7	296.5	294.1	293.5	292.9	290.5
55°	270.8	271.5	271.1	271.1	271.1	271.5	270.8	269.3	268.9	266.6	264.4
57.5°	244.1	244.8	245.3	243.6	245.3	244.8	244.1	243.9	243.6	241.3	238.9
60°	225.6	227.4	227.1	226.3	227.1	227.4	225.6	225.9	224.8	223.3	221.8
62.5°	208.5	209.2	209.1	209.0	209.1	209.2	208.5	206.8	206.3	204.8	203.3
65°	182.2	183.0	181.9	183.0	181.9	183.0	182.2	181.1	178.5	177.8	176.3
67.5°	153.9	154.2	155.0	155.5	155.0	154.2	153.9	154.4	152.7	151.3	151.0
70°	136.3	135.9	137.1	138.2	137.1	135.9	136.3	135.6	134.4	133.3	131.8
72.5°	117.8	118.6	118.2	119.1	118.2	118.6	117.8	117.9	116.8	115.4	113.9
75°	90.8	91.9	91.5	92.6	91.5	91.9	90.8	91.5	90.8	89.3	87.8
77.5°	65.6	65.7	65.6	66.2	65.6	65.7	65.6	66.2	65.4	65.9	64.2
80°	50.0	49.3	48.5	50.0	48.5	49.3	50.0	50.0	48.9	50.0	48.9
82.5°	34.8	35.3	34.5	34.5	34.5	35.3	34.8	35.7	35.2	35.7	34.6
85°	16.1	15.7	14.9	14.9	14.9	15.7	16.1	16.1	17.2	16.4	16.4
87.5°	9.6	9.3	9.3	9.0	9.3	9.3	9.6	9.6	9.4	9.6	10.0
90°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	31.9	29.9	31.9
92.5°	59.3	56.1	56.9	55.3	56.9	56.1	59.3	60.1	66.3	74.7	87.0
95°	123.8	115.8	112.8	113.8	112.8	115.8	123.8	136.7	158.7	200.6	261.5
97.5°	271.5	246.9	232.3	224.0	232.3	246.9	271.5	319.2	391.2	499.2	610.2
100°	447.1	404.2	375.3	357.3	375.3	404.2	447.1	530.0	650.7	787.4	911.2
102.5°	762.5	689.2	653.1	628.8	653.1	689.2	762.5	852.5	980.5	1080.5	1108.4
105°	1243.5	1181.7	1138.7	1124.8	1138.7	1181.7	1243.5	1305.4	1338.4	1325.4	1212.6
107.5°	1467.3	1463.9	1455.3	1436.8	1455.3	1463.9	1467.3	1459.5	1411.2	1307.4	1137.6
110°	1504.0	1523.0	1532.0	1531.0	1532.0	1523.0	1504.0	1461.1	1379.3	1251.5	1072.9



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1475.3	1507.0	1524.0	1529.4	1524.0	1507.0	1475.3	1415.6	1321.8	1185.3	1013.8
115°	1399.2	1445.1	1471.1	1480.1	1471.1	1445.1	1399.2	1328.4	1225.6	1094.8	941.1
117.5°	1308.6	1357.1	1384.5	1392.0	1384.5	1357.1	1308.6	1236.4	1139.9	1021.4	886.4
120°	1249.5	1296.4	1325.4	1335.4	1325.4	1296.4	1249.5	1179.7	1088.8	983.1	859.3
122.5°	1196.0	1242.1	1267.9	1276.3	1267.9	1242.1	1196.0	1133.4	1051.3	951.1	837.7
125°	1129.8	1167.7	1192.6	1200.6	1192.6	1167.7	1129.8	1071.9	997.0	909.2	806.4
127.5°	1070.9	1106.4	1128.0	1134.4	1128.0	1106.4	1070.9	1020.4	951.3	868.5	775.5
130°	1035.0	1068.9	1088.8	1096.8	1088.8	1068.9	1035.0	986.1	920.2	841.3	755.5
132.5°	998.2	1032.2	1050.5	1057.7	1050.5	1032.2	998.2	950.1	888.2	815.8	736.3
135°	940.1	973.1	991.0	995.0	991.0	973.1	940.1	897.2	841.3	775.5	709.6
137.5°	883.5	911.8	927.6	933.6	927.6	911.8	883.5	844.3	795.6	743.3	688.2
140°	844.3	870.3	885.3	891.2	885.3	870.3	844.3	812.4	768.5	722.6	674.7
142.5°	810.8	834.4	847.7	848.9	847.7	834.4	810.8	780.5	743.7	704.2	663.5
145°	764.5	781.5	791.4	794.4	791.4	781.5	764.5	740.5	711.6	680.7	647.7
147.5°	726.6	740.1	746.9	748.7	746.9	740.1	726.6	706.8	685.6	661.5	635.5
150°	702.6	714.6	720.6	721.6	720.6	714.6	702.6	687.6	669.7	648.7	626.8
152.5°	683.4	693.8	698.2	698.4	698.2	693.8	683.4	671.7	656.1	638.3	618.0
155°	658.7	665.7	669.7	667.7	669.7	665.7	658.7	647.7	636.7	621.8	605.8
157.5°	633.9	639.7	641.5	641.5	641.5	639.7	633.9	626.2	617.6	605.0	591.6
160°	618.8	623.8	624.8	624.8	624.8	623.8	618.8	611.8	604.8	593.8	582.8
162.5°	605.2	608.6	609.6	608.8	609.6	608.6	605.2	598.2	592.8	583.4	574.1
165°	582.8	586.8	586.8	585.8	586.8	586.8	582.8	578.9	574.9	567.9	560.9
167.5°	563.9	566.1	565.9	564.7	565.9	566.1	563.9	562.1	558.5	553.7	548.3
170°	551.9	554.9	553.9	551.9	553.9	554.9	551.9	550.9	548.9	544.9	541.9
172.5°	542.3	543.7	542.7	541.5	542.7	543.7	542.3	541.3	540.1	536.9	534.7
175°	530.0	531.0	530.0	528.0	530.0	531.0	530.0	530.0	529.0	528.0	527.0
177.5°	522.2	522.2	521.4	519.8	521.4	522.2	522.2	522.2	522.2	521.4	521.4
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	933.8	937.1	942.2	947.5	950.8	957.1	958.9	961.9	964.6	970.8	977.4
5°	879.9	885.1	897.4	904.1	913.5	924.3	931.4	938.9	947.1	961.3	974.4
7.5°	822.1	830.8	846.1	858.7	872.0	887.5	898.7	913.5	925.7	945.7	964.9
10°	783.5	795.8	809.7	824.6	843.3	859.7	875.4	894.1	909.0	932.9	955.3
12.5°	748.9	750.7	770.5	787.0	812.5	832.8	850.9	874.9	889.6	918.0	941.6
15°	688.3	699.5	717.4	730.5	760.7	786.5	811.9	836.9	853.7	888.8	919.8
17.5°	637.3	647.6	666.0	687.4	709.1	734.7	767.6	794.0	816.8	856.9	893.6
20°	605.0	617.7	636.4	658.4	677.5	705.5	733.8	764.1	788.7	833.9	876.9
22.5°	577.5	587.5	602.6	624.3	645.2	670.8	701.9	734.8	760.7	809.4	853.0
25°	538.9	547.1	556.8	574.8	598.3	626.3	650.6	686.8	724.5	770.1	822.7
27.5°	504.1	509.9	518.5	534.3	552.5	578.7	605.7	640.0	678.0	727.4	783.0
30°	482.9	486.6	495.2	508.3	526.2	546.7	574.0	606.9	645.7	695.8	751.0
32.5°	464.4	467.8	473.4	485.9	501.4	519.0	543.5	576.4	613.4	662.6	723.8
35°	436.6	439.2	444.0	454.1	462.7	479.9	500.4	530.3	565.0	612.1	675.6
37.5°	408.9	412.4	415.4	419.7	430.7	442.0	459.9	485.1	519.2	566.7	627.2
40°	390.6	393.6	398.1	400.0	408.9	419.0	433.6	456.7	491.1	534.4	593.4
42.5°	372.1	375.1	377.8	380.0	387.7	396.6	409.7	429.6	460.0	502.2	560.6
45°	346.9	347.3	349.9	354.0	357.8	364.1	373.5	390.6	414.2	453.8	506.8
47.5°	321.4	321.8	322.3	324.1	328.2	333.9	340.1	354.1	375.2	406.8	458.4
50°	304.4	303.6	304.4	305.9	308.5	313.3	320.4	330.5	347.7	377.2	424.6
52.5°	287.9	287.8	287.3	287.9	290.0	293.3	298.3	306.9	322.3	349.4	391.2
55°	262.9	261.0	261.4	259.9	263.3	264.0	267.8	274.9	288.3	307.0	346.2
57.5°	236.2	234.7	233.0	232.6	232.3	234.3	237.3	242.9	253.2	269.6	301.4
60°	219.2	217.4	215.1	214.4	214.4	215.5	217.0	221.1	230.8	245.4	271.5
62.5°	201.9	199.7	198.4	196.4	195.8	197.0	198.5	201.4	208.4	222.1	244.6
65°	175.2	172.5	170.7	170.3	169.6	168.4	169.2	172.2	177.8	188.6	206.5
67.5°	148.3	145.9	145.4	143.3	142.2	142.4	142.2	144.8	148.1	157.4	170.8
70°	130.7	128.8	128.1	126.2	125.5	124.7	124.0	126.2	129.6	137.4	149.0
72.5°	112.8	111.2	109.6	108.0	108.2	107.4	107.3	108.6	111.4	118.6	127.5
75°	87.0	87.4	85.5	83.7	83.3	82.5	82.5	83.7	84.8	90.4	97.5
77.5°	63.1	62.8	61.2	60.6	60.3	59.5	60.3	61.0	61.6	65.4	70.6
80°	48.2	48.2	46.3	46.3	45.9	44.8	45.9	45.2	46.7	50.4	54.2
82.5°	34.4	33.8	33.8	33.2	33.1	32.3	32.8	33.5	34.1	36.7	38.9
85°	16.8	16.8	16.4	16.1	16.4	16.1	16.4	16.8	17.2	18.3	20.2
87.5°	10.2	10.7	10.8	9.9	8.5	7.8	7.5	7.4	7.6	7.1	6.8
90°	32.9	33.9	32.9	26.9	20.0	15.0	12.0	10.0	8.0	4.0	1.0
92.5°	109.6	129.7	127.9	99.6	67.9	45.3	35.9	29.1	24.8	17.6	12.2
95°	342.3	391.2	346.3	230.5	143.7	97.8	73.9	57.9	48.9	38.9	34.9
97.5°	700.6	667.9	503.0	310.6	189.6	131.9	104.8	86.4	72.9	62.3	56.9
100°	932.2	788.4	542.9	327.4	205.6	152.7	124.8	104.8	88.8	79.8	76.8
102.5°	1018.4	792.4	527.8	328.2	220.0	171.1	143.1	122.4	106.4	97.4	95.2
105°	1005.0	739.5	498.0	333.3	244.5	197.6	169.7	147.7	132.7	125.8	121.8
107.5°	917.4	682.9	483.2	347.1	269.7	224.2	196.0	174.3	160.5	153.7	150.5
110°	862.3	655.7	480.1	358.3	286.4	242.5	213.6	192.6	179.6	173.7	169.7



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	824.0	638.1	480.8	370.3	302.4	260.1	230.3	210.2	198.0	191.2	187.2
115°	776.5	618.8	485.0	388.2	327.4	284.4	257.5	237.5	225.6	219.6	214.6
117.5°	746.5	609.4	492.2	407.4	350.3	310.6	282.6	263.5	252.9	246.9	242.9
120°	730.6	603.8	497.0	420.2	366.3	327.4	299.4	279.4	270.5	264.5	260.5
122.5°	717.0	600.6	502.6	431.3	381.4	344.9	316.2	296.2	286.4	280.4	277.3
125°	697.6	594.8	511.0	449.1	404.2	368.3	340.3	320.4	308.4	302.4	299.4
127.5°	679.7	591.4	519.6	465.7	425.4	390.4	361.7	342.5	329.3	321.0	317.0
130°	667.7	589.8	526.0	476.1	438.1	403.2	375.3	355.3	341.3	331.3	327.4
132.5°	658.1	589.0	532.3	486.4	449.3	416.0	388.0	367.3	352.5	341.7	336.9
135°	644.7	587.8	539.9	500.0	465.1	433.1	405.2	382.2	367.3	355.3	351.3
137.5°	635.3	587.6	546.7	510.4	477.9	446.3	420.4	397.6	381.6	369.7	364.9
140°	629.8	586.8	549.9	516.0	485.0	455.1	429.2	407.2	391.2	379.3	375.3
142.5°	624.2	586.8	552.3	520.8	490.6	461.5	437.1	416.0	400.0	388.8	385.6
145°	616.8	584.8	554.9	527.0	499.0	472.1	450.1	430.2	415.2	405.2	401.2
147.5°	609.2	581.3	555.7	530.4	505.8	480.5	460.9	444.3	430.5	421.0	418.0
150°	602.8	578.9	554.9	531.9	509.0	486.0	468.1	453.1	440.1	432.1	429.2
152.5°	597.2	574.9	553.3	532.7	512.2	491.6	475.3	461.1	449.7	441.7	440.3
155°	586.8	567.9	550.9	533.9	517.0	500.0	485.0	474.1	463.1	457.1	456.1
157.5°	577.1	560.7	546.3	533.9	520.4	506.0	493.4	484.6	475.1	470.3	469.3
160°	569.9	555.9	543.9	533.9	522.0	510.0	499.0	491.0	483.0	479.1	478.1
162.5°	563.5	551.9	541.5	533.1	522.8	512.4	503.8	496.6	490.2	486.2	486.8
165°	552.9	543.9	536.9	531.0	524.0	515.0	509.0	504.0	498.0	496.0	497.0
167.5°	542.5	536.9	532.3	529.6	523.8	517.2	513.4	509.8	506.0	504.2	505.4
170°	536.9	532.9	530.0	528.0	523.0	518.0	515.0	513.0	510.0	509.0	511.0
172.5°	531.4	528.2	526.8	525.6	522.2	518.8	516.6	515.4	512.4	513.0	514.2
175°	524.0	523.0	522.0	523.0	521.0	519.0	518.0	518.0	516.0	517.0	518.0
177.5°	519.8	519.0	519.8	521.4	519.8	519.0	519.0	519.0	517.4	518.2	519.8
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



TEST NUMBER: P331314

CATALOG NUMBER: S122DIP-S485D925U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	976.8	978.3	983.1	987.9	993.2	994.7	997.1	995.0	994.4	1000.1	1004.3
5°	979.6	986.3	999.4	1011.3	1021.4	1028.5	1036.0	1039.0	1044.6	1052.4	1062.1
7.5°	976.4	989.5	1010.1	1027.5	1046.4	1060.1	1070.8	1079.9	1090.9	1105.8	1122.0
10°	972.9	990.4	1015.4	1036.7	1059.9	1077.4	1092.0	1106.2	1122.6	1143.2	1164.4
12.5°	966.3	987.1	1018.4	1043.6	1073.3	1090.6	1110.2	1140.8	1158.5	1187.1	1217.0
15°	953.1	976.2	1019.9	1050.9	1084.5	1117.4	1153.6	1182.7	1211.9	1228.7	1270.9
17.5°	933.4	967.4	1015.8	1052.0	1094.7	1146.4	1187.1	1220.2	1253.8	1281.0	1302.2
20°	917.6	954.6	1009.8	1053.2	1103.9	1159.6	1206.3	1239.9	1269.0	1291.8	1304.9
22.5°	897.6	944.1	997.9	1048.7	1113.5	1168.6	1217.6	1244.1	1268.4	1279.5	1284.5
25°	866.0	922.1	982.9	1044.9	1118.1	1176.4	1221.2	1237.3	1244.4	1233.5	1215.6
27.5°	832.1	894.5	965.7	1037.9	1115.3	1171.3	1203.4	1200.9	1188.9	1153.8	1125.8
30°	806.7	875.4	951.9	1030.7	1108.4	1162.9	1181.6	1162.9	1135.7	1096.5	1056.5
32.5°	780.1	851.2	937.3	1020.6	1095.9	1143.8	1147.9	1115.7	1073.5	1029.0	979.1
35°	739.8	816.8	909.7	997.9	1069.2	1099.5	1081.5	1024.8	974.7	913.9	845.9
37.5°	694.3	779.3	872.5	964.6	1029.3	1037.2	992.7	932.9	862.3	790.8	710.8
40°	660.3	750.3	846.3	939.2	996.4	988.2	931.4	865.7	781.6	694.3	619.9
42.5°	629.8	719.8	817.6	908.8	954.6	932.0	865.7	785.0	694.7	612.4	544.4
45°	577.0	669.6	769.7	857.8	884.0	843.3	755.5	665.9	577.0	508.3	454.5
47.5°	525.8	617.3	716.4	793.9	803.2	748.4	652.5	560.3	483.9	427.9	390.0
50°	488.1	580.0	678.2	747.3	744.3	678.2	579.6	491.8	428.0	382.8	357.4
52.5°	454.3	541.1	635.5	698.3	682.5	610.4	516.3	438.4	385.9	350.5	327.5
55°	401.8	482.1	571.8	622.2	593.1	513.1	433.6	370.8	332.0	305.5	287.6
57.5°	349.7	425.0	501.7	532.8	500.6	426.8	360.5	315.0	285.8	266.1	254.5
60°	317.4	383.2	451.5	478.4	439.9	374.2	321.9	281.2	257.7	241.6	231.2
62.5°	285.2	344.0	408.5	423.1	387.9	332.4	286.1	252.2	232.9	218.6	208.8
65°	241.3	289.4	338.4	348.1	315.6	272.6	236.0	214.0	196.8	186.4	178.5
67.5°	197.9	236.5	271.2	279.0	250.6	220.8	194.3	175.2	163.5	154.8	148.2
70°	172.2	202.8	231.2	237.5	214.7	188.2	168.1	152.7	142.3	134.8	128.5
72.5°	145.0	170.5	194.1	198.4	179.8	159.5	143.0	130.9	121.7	116.9	110.8
75°	110.9	125.9	144.2	145.3	133.0	120.6	107.9	100.1	95.2	89.3	86.3
77.5°	78.3	90.0	100.5	102.5	95.2	86.8	79.7	73.5	69.4	66.6	63.9
80°	59.8	69.1	73.6	76.2	71.0	65.0	60.9	56.8	54.2	52.3	50.4
82.5°	42.7	48.5	52.7	54.7	51.8	48.3	44.1	41.8	39.8	38.2	37.6
85°	21.7	24.3	26.9	27.6	26.9	25.4	23.2	23.2	22.0	21.7	21.7
87.5°	8.3	10.3	10.7	12.0	12.0	13.0	14.4	15.3	15.2	14.7	14.2
90°	4.0	8.0	10.0	12.0	15.0	20.0	26.9	32.9	33.9	32.9	31.9
92.5°	17.6	24.8	29.1	35.9	45.3	67.9	99.6	127.9	129.7	109.6	87.0
95°	38.9	48.9	57.9	73.9	97.8	143.7	230.5	346.3	391.2	342.3	261.5
97.5°	62.3	72.9	86.4	104.8	131.9	189.6	310.6	503.0	667.9	700.6	610.2
100°	79.8	88.8	104.8	124.8	152.7	205.6	327.4	542.9	788.4	932.2	911.2
102.5°	97.4	106.4	122.4	143.1	171.1	220.0	328.2	527.8	792.4	1018.4	1108.4
105°	125.8	132.7	147.7	169.7	197.6	244.5	333.3	498.0	739.5	1005.0	1212.6
107.5°	153.7	160.5	174.3	196.0	224.2	269.7	347.1	483.2	682.9	917.4	1137.6
110°	173.7	179.6	192.6	213.6	242.5	286.4	358.3	480.1	655.7	862.3	1072.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	191.2	198.0	210.2	230.3	260.1	302.4	370.3	480.8	638.1	824.0	1013.8
115°	219.6	225.6	237.5	257.5	284.4	327.4	388.2	485.0	618.8	776.5	941.1
117.5°	246.9	252.9	263.5	282.6	310.6	350.3	407.4	492.2	609.4	746.5	886.4
120°	264.5	270.5	279.4	299.4	327.4	366.3	420.2	497.0	603.8	730.6	859.3
122.5°	280.4	286.4	296.2	316.2	344.9	381.4	431.3	502.6	600.6	717.0	837.7
125°	302.4	308.4	320.4	340.3	368.3	404.2	449.1	511.0	594.8	697.6	806.4
127.5°	321.0	329.3	342.5	361.7	390.4	425.4	465.7	519.6	591.4	679.7	775.5
130°	331.3	341.3	355.3	375.3	403.2	438.1	476.1	526.0	589.8	667.7	755.5
132.5°	341.7	352.5	367.3	388.0	416.0	449.3	486.4	532.3	589.0	658.1	736.3
135°	355.3	367.3	382.2	405.2	433.1	465.1	500.0	539.9	587.8	644.7	709.6
137.5°	369.7	381.6	397.6	420.4	446.3	477.9	510.4	546.7	587.6	635.3	688.2
140°	379.3	391.2	407.2	429.2	455.1	485.0	516.0	549.9	586.8	629.8	674.7
142.5°	388.8	400.0	416.0	437.1	461.5	490.6	520.8	552.3	586.8	624.2	663.5
145°	405.2	415.2	430.2	450.1	472.1	499.0	527.0	554.9	584.8	616.8	647.7
147.5°	421.0	430.5	444.3	460.9	480.5	505.8	530.4	555.7	581.3	609.2	635.5
150°	432.1	440.1	453.1	468.1	486.0	509.0	531.9	554.9	578.9	602.8	626.8
152.5°	441.7	449.7	461.1	475.3	491.6	512.2	532.7	553.3	574.9	597.2	618.0
155°	457.1	463.1	474.1	485.0	500.0	517.0	533.9	550.9	567.9	586.8	605.8
157.5°	470.3	475.1	484.6	493.4	506.0	520.4	533.9	546.3	560.7	577.1	591.6
160°	479.1	483.0	491.0	499.0	510.0	522.0	533.9	543.9	555.9	569.9	582.8
162.5°	486.2	490.2	496.6	503.8	512.4	522.8	533.1	541.5	551.9	563.5	574.1
165°	496.0	498.0	504.0	509.0	515.0	524.0	531.0	536.9	543.9	552.9	560.9
167.5°	504.2	506.0	509.8	513.4	517.2	523.8	529.6	532.3	536.9	542.5	548.3
170°	509.0	510.0	513.0	515.0	518.0	523.0	528.0	530.0	532.9	536.9	541.9
172.5°	513.0	512.4	515.4	516.6	518.8	522.2	525.6	526.8	528.2	531.4	534.7
175°	517.0	516.0	518.0	518.0	519.0	521.0	523.0	522.0	523.0	524.0	527.0
177.5°	518.2	517.4	519.0	519.0	519.0	519.8	521.4	519.8	519.0	519.8	521.4
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	971.7	971.7	971.7	971.7	971.7	971.7	971.7
2.5°	1007.9	1012.1	1012.1	1012.7	1017.4	1016.9	1016.6
5°	1072.6	1078.9	1079.7	1086.4	1090.9	1089.4	1085.3
7.5°	1133.6	1145.4	1154.4	1159.4	1165.3	1168.9	1167.3
10°	1182.0	1199.2	1209.6	1216.7	1225.3	1231.7	1229.4
12.5°	1225.9	1246.4	1260.7	1272.9	1274.0	1282.2	1276.6
15°	1294.4	1316.1	1318.3	1327.3	1334.4	1333.6	1334.0
17.5°	1317.0	1324.0	1325.4	1325.6	1325.7	1323.1	1317.4
20°	1309.0	1306.4	1300.0	1295.2	1286.6	1285.4	1278.0
22.5°	1270.7	1262.4	1246.5	1236.0	1222.6	1219.1	1217.0
25°	1195.4	1177.1	1151.7	1127.5	1120.7	1107.7	1111.4
27.5°	1092.1	1063.6	1036.1	1016.4	998.6	979.0	984.6
30°	1019.5	987.4	948.6	918.7	899.7	881.0	877.6
32.5°	932.9	885.8	842.5	816.2	787.0	775.2	762.3
35°	783.5	737.6	694.6	657.7	636.4	619.9	605.0
37.5°	649.1	596.3	561.6	531.7	516.3	506.9	509.2
40°	565.8	519.5	494.1	471.3	457.1	450.4	451.9
42.5°	498.3	463.6	442.7	427.1	417.1	413.3	412.4
45°	421.6	402.2	385.0	376.1	371.2	367.1	364.5
47.5°	369.4	353.5	343.8	338.5	334.2	330.1	330.0
50°	338.0	327.5	320.8	315.2	311.8	308.8	311.5
52.5°	314.1	304.5	297.8	292.8	291.5	288.8	288.8
55°	278.6	271.1	266.3	261.8	259.6	258.1	256.2
57.5°	246.3	239.2	234.8	231.9	227.7	226.2	225.6
60°	223.3	217.7	213.2	209.5	207.6	204.7	204.7
62.5°	202.1	196.5	192.3	189.5	186.4	185.2	185.5
65°	171.4	166.9	162.8	159.8	159.1	156.9	157.6
67.5°	143.2	140.2	135.9	134.2	132.8	131.6	130.7
70°	124.4	121.4	119.1	116.9	115.8	115.8	115.8
72.5°	108.5	104.9	103.6	100.8	101.4	100.2	99.0
75°	84.0	81.8	80.7	79.5	77.7	77.7	77.7
77.5°	61.8	61.2	59.8	58.6	58.2	57.8	58.0
80°	47.8	47.4	46.7	46.7	45.9	45.6	44.8
82.5°	36.7	35.8	35.3	35.0	34.9	34.8	34.7
85°	20.9	20.2	20.2	20.5	19.8	19.8	20.2
87.5°	14.1	14.5	14.4	14.4	14.7	14.4	14.4
90°	29.9	31.9	32.9	32.9	32.9	32.9	32.9
92.5°	74.7	66.3	60.1	59.3	56.1	56.9	55.3
95°	200.6	158.7	136.7	123.8	115.8	112.8	113.8
97.5°	499.2	391.2	319.2	271.5	246.9	232.3	224.0
100°	787.4	650.7	530.0	447.1	404.2	375.3	357.3
102.5°	1080.5	980.5	852.5	762.5	689.2	653.1	628.8
105°	1325.4	1338.4	1305.4	1243.5	1181.7	1138.7	1124.8
107.5°	1307.4	1411.2	1459.5	1467.3	1463.9	1455.3	1436.8
110°	1251.5	1379.3	1461.1	1504.0	1523.0	1532.0	1531.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1185.3	1321.8	1415.6	1475.3	1507.0	1524.0	1529.4
115°	1094.8	1225.6	1328.4	1399.2	1445.1	1471.1	1480.1
117.5°	1021.4	1139.9	1236.4	1308.6	1357.1	1384.5	1392.0
120°	983.1	1088.8	1179.7	1249.5	1296.4	1325.4	1335.4
122.5°	951.1	1051.3	1133.4	1196.0	1242.1	1267.9	1276.3
125°	909.2	997.0	1071.9	1129.8	1167.7	1192.6	1200.6
127.5°	868.5	951.3	1020.4	1070.9	1106.4	1128.0	1134.4
130°	841.3	920.2	986.1	1035.0	1068.9	1088.8	1096.8
132.5°	815.8	888.2	950.1	998.2	1032.2	1050.5	1057.7
135°	775.5	841.3	897.2	940.1	973.1	991.0	995.0
137.5°	743.3	795.6	844.3	883.5	911.8	927.6	933.6
140°	722.6	768.5	812.4	844.3	870.3	885.3	891.2
142.5°	704.2	743.7	780.5	810.8	834.4	847.7	848.9
145°	680.7	711.6	740.5	764.5	781.5	791.4	794.4
147.5°	661.5	685.6	706.8	726.6	740.1	746.9	748.7
150°	648.7	669.7	687.6	702.6	714.6	720.6	721.6
152.5°	638.3	656.1	671.7	683.4	693.8	698.2	698.4
155°	621.8	636.7	647.7	658.7	665.7	669.7	667.7
157.5°	605.0	617.6	626.2	633.9	639.7	641.5	641.5
160°	593.8	604.8	611.8	618.8	623.8	624.8	624.8
162.5°	583.4	592.8	598.2	605.2	608.6	609.6	608.8
165°	567.9	574.9	578.9	582.8	586.8	586.8	585.8
167.5°	553.7	558.5	562.1	563.9	566.1	565.9	564.7
170°	544.9	548.9	550.9	551.9	554.9	553.9	551.9
172.5°	536.9	540.1	541.3	542.3	543.7	542.7	541.5
175°	528.0	529.0	530.0	530.0	531.0	530.0	528.0
177.5°	521.4	522.2	522.2	522.2	522.2	521.4	519.8
180°	519.0	519.0	519.0	519.0	519.0	519.0	519.0

(END OF REPORT)