

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: P331305-940

Luminaire Tested: **S122DIP-S485D725U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331305-940
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-S485D725U940-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4437.3 lumens
Efficiency: N/A
Efficacy: 115.6 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: General Diffuse

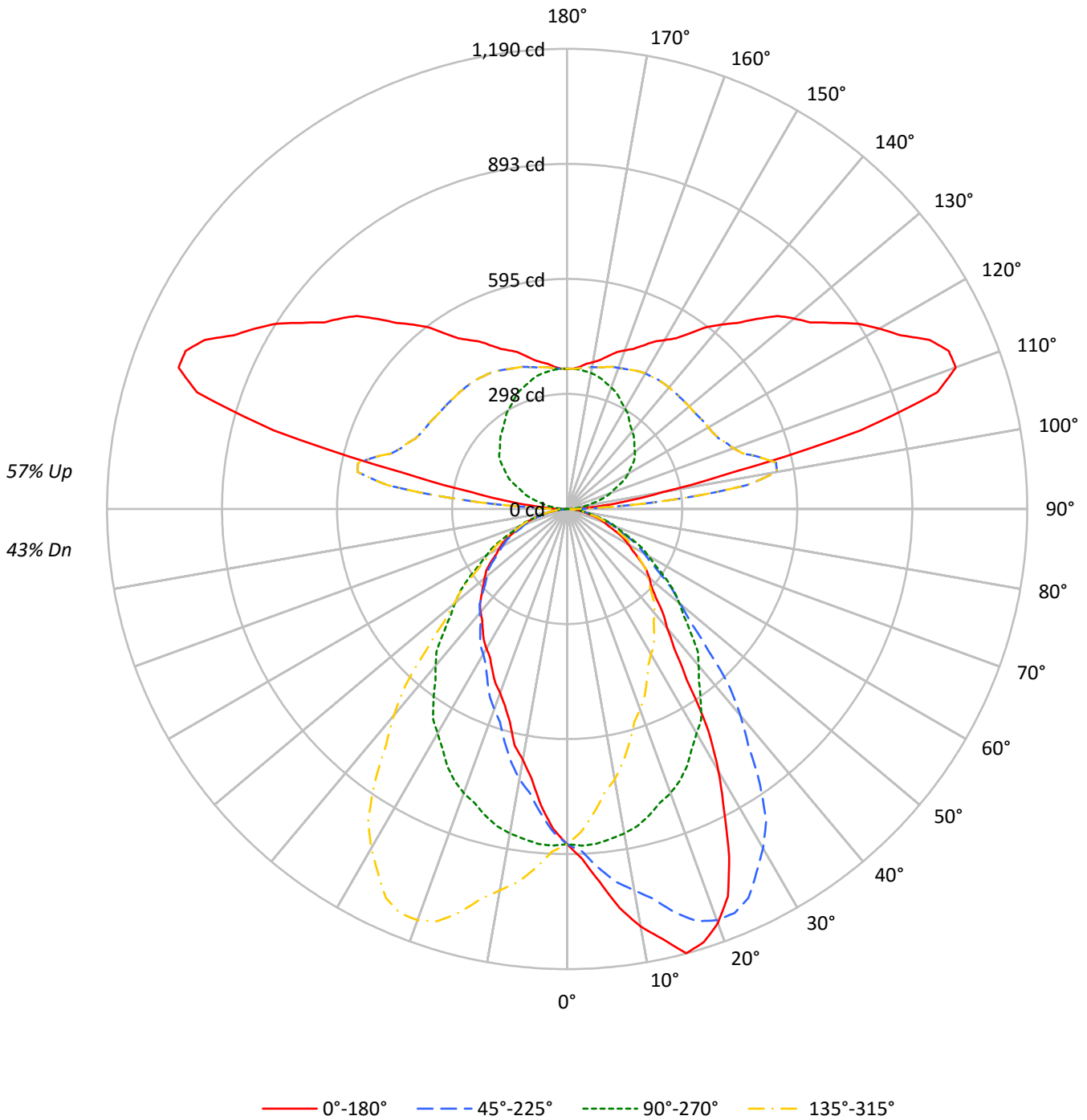
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

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	0	
RCR																						
0	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37				
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27				
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24				
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	26	24	21				
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19				
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17				
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	22	20	18	15				
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14				
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13990	13990	13990	13990
5°	15686	14083	12478	14083
10°	17974	13967	10799	13967
15°	19883	13710	9541	13710
20°	19581	13435	8698	13435
25°	17655	13069	8165	13069
30°	14590	12486	7774	12486
35°	10634	11874	7496	11874
40°	8494	11152	7341	11152
45°	7421	10319	7133	10319
50°	6978	9510	6993	9510
55°	6432	8690	6804	8690
60°	5893	7818	6516	7818
65°	5368	7033	6235	7033
70°	4877	6274	5816	6274
75°	4323	5421	5153	5421
80°	3710	4491	4147	4491
85°	3335	3335	2464	3335



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.9
10°-20°	239.9	5.4
20°-30°	348.2	7.8
30°-40°	367.4	8.3
40°-50°	325.3	7.3
50°-60°	259.6	5.9
60°-70°	176.5	4.0
70°-80°	90.5	2.0
80°-90°	25.1	0.6
90°-100°	144.9	3.3
100°-110°	491.8	11.1
110°-120°	522.5	11.8
120°-130°	430.1	9.7
130°-140°	345.4	7.8
140°-150°	261.0	5.9
150°-160°	183.4	4.1
160°-170°	108.0	2.4
170°-180°	35.1	0.8
0°-30°	670.6	15.1
0°-40°	1038.0	23.4
0°-60°	1623.0	36.6
0°-90°	1915.0	43.2
90°-120°	1159.2	26.1
90°-150°	2195.7	49.5
90°-180°	2522.0	56.8
0°-180°	4437.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	866	866	866	866	866	
5°	968	869	770	869	968	97
15°	1190	820	571	820	1190	328
25°	991	734	458	734	991	448
35°	540	602	380	602	540	351
45°	325	452	312	452	325	256
55°	228	309	242	309	228	205
65°	140	184	163	184	140	140
75°	69	87	83	87	69	74
85°	18	18	13	18	18	20
90°	23	1	23	1	23	13
95°	80	24	80	24	80	103
105°	786	85	786	85	786	760
115°	1034	150	1034	150	1034	1012
125°	839	209	839	209	839	758
135°	695	245	695	245	695	540
145°	555	280	555	280	555	352
155°	466	318	466	318	466	218
165°	409	347	409	347	409	117
175°	369	362	369	362	369	36
180°	362	362	362	362	362	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	906.5	906.8	907.2	903.0	902.5	902.5	898.8	895.5	891.8	886.7	887.3
5°	967.8	971.4	972.8	968.8	962.8	962.1	956.4	947.1	938.4	931.5	926.5
7.5°	1040.9	1042.3	1039.1	1033.8	1029.4	1021.4	1010.8	1000.5	986.1	972.8	963.0
10°	1096.3	1098.3	1092.6	1084.9	1078.6	1069.3	1054.0	1038.3	1019.4	1001.0	986.4
12.5°	1138.4	1143.4	1136.0	1135.1	1124.2	1111.4	1093.1	1085.2	1058.5	1033.0	1017.3
15°	1189.5	1189.2	1189.9	1183.6	1175.5	1173.6	1154.2	1133.3	1095.6	1080.7	1054.6
17.5°	1174.7	1179.8	1182.1	1182.1	1181.9	1180.6	1174.4	1161.2	1142.3	1118.0	1088.1
20°	1139.6	1146.2	1147.3	1154.9	1159.2	1164.9	1167.2	1163.6	1151.9	1131.6	1105.6
22.5°	1085.2	1087.1	1090.2	1102.2	1111.5	1125.7	1133.1	1145.4	1140.9	1131.0	1109.4
25°	991.0	987.7	999.3	1005.4	1027.0	1049.6	1066.0	1084.0	1099.9	1109.6	1103.3
27.5°	878.0	873.0	890.5	906.3	923.9	948.4	973.8	1003.9	1028.9	1060.2	1070.9
30°	782.6	785.6	802.3	819.2	845.9	880.5	909.1	942.1	977.8	1012.7	1037.0
32.5°	679.8	691.3	701.8	727.8	751.3	789.9	831.9	873.1	917.6	957.3	994.9
35°	539.5	552.8	567.5	586.5	619.4	657.7	698.7	754.3	814.9	869.2	913.8
37.5°	454.1	452.0	460.4	474.1	500.8	531.7	578.8	633.8	705.2	768.9	831.9
40°	403.0	401.6	407.6	420.3	440.6	463.2	504.5	552.8	619.1	697.0	772.0
42.5°	367.7	368.5	371.9	380.8	394.8	413.4	444.3	485.4	546.1	619.5	700.0
45°	325.0	327.3	331.0	335.4	343.3	358.6	375.9	405.3	453.3	514.5	593.8
47.5°	294.3	294.4	298.0	301.8	306.6	315.2	329.4	347.8	381.6	431.5	499.6
50°	277.8	275.4	278.0	281.1	286.1	292.0	301.4	318.7	341.3	381.7	438.5
52.5°	257.5	257.5	259.9	261.1	265.6	271.5	280.1	292.0	312.5	344.1	390.9
55°	228.5	230.2	231.5	233.4	237.5	241.7	248.4	256.5	272.4	296.0	330.6
57.5°	201.2	201.7	203.0	206.8	209.4	213.3	219.6	226.9	237.3	254.9	280.9
60°	182.5	182.5	185.1	186.8	190.1	194.1	199.1	206.2	215.4	229.8	250.7
62.5°	165.4	165.1	166.2	169.0	171.5	175.2	180.2	186.2	194.9	207.7	224.9
65°	140.5	139.9	141.9	142.5	145.2	148.8	152.8	159.2	166.2	175.5	190.8
67.5°	116.5	117.3	118.4	119.7	121.2	125.0	127.7	132.2	138.0	145.8	156.2
70°	103.3	103.3	103.3	104.2	106.2	108.3	110.9	114.6	120.2	126.9	136.2
72.5°	88.3	89.3	90.4	89.9	92.4	93.5	96.8	98.8	104.2	108.5	116.7
75°	69.3	69.3	69.3	70.9	72.0	72.9	74.9	77.0	79.6	84.9	89.3
77.5°	51.7	51.5	51.9	52.3	53.3	54.6	55.1	57.0	59.4	61.9	65.5
80°	39.9	40.7	40.9	41.6	41.6	42.3	42.6	44.9	46.6	48.3	50.6
82.5°	30.9	31.0	31.1	31.2	31.5	31.9	32.7	33.5	34.1	35.5	37.3
85°	18.0	17.7	17.7	18.3	18.0	18.0	18.6	19.4	19.4	19.6	20.7
87.5°	11.5	11.5	11.8	11.5	11.5	11.7	11.4	11.4	11.8	12.2	12.3
90°	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3	23.0	23.7	23.0
92.5°	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8	76.5	90.6	89.3
95°	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6	239.1	273.2	241.9
97.5°	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1	489.4	466.5	351.3
100°	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4	651.0	550.6	379.2
102.5°	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2	711.2	553.5	368.6
105°	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9	702.0	516.5	347.9
107.5°	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5	640.7	476.9	337.5
110°	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3	602.3	458.0	335.3



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1	575.5	445.7	335.8
115°	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3	542.3	432.2	338.8
117.5°	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1	521.4	425.6	343.8
120°	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1	510.2	421.7	347.1
122.5°	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1	500.8	419.5	351.1
125°	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2	487.2	415.4	356.9
127.5°	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6	474.7	413.0	362.9
130°	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6	466.4	412.0	367.4
132.5°	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2	459.7	411.4	371.8
135°	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6	450.3	410.5	377.1
137.5°	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7	443.7	410.5	381.8
140°	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2	439.9	409.8	384.1
142.5°	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4	436.0	409.8	385.8
145°	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4	430.8	408.5	387.5
147.5°	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9	425.5	406.0	388.2
150°	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7	421.0	404.3	387.5
152.5°	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6	417.1	401.5	386.5
155°	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1	409.8	396.6	384.8
157.5°	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2	403.1	391.6	381.6
160°	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1	398.1	388.3	379.9
162.5°	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9	393.5	385.5	378.3
165°	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7	386.2	379.9	375.1
167.5°	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0	378.9	375.1	371.8
170°	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5	375.1	372.2	370.1
172.5°	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4	371.1	368.9	367.9
175°	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0	366.0	365.2	364.5
177.5°	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2	363.0	362.5	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	889.1	887.0	885.6	880.9	876.6	872.4	871.0	871.6	865.7	860.1	857.7
5°	923.8	917.1	910.8	901.8	891.2	879.5	873.5	868.9	857.2	844.5	837.2
7.5°	954.8	945.3	933.1	916.2	900.7	882.3	870.7	860.4	843.3	825.5	814.6
10°	973.7	960.7	945.1	924.4	905.4	883.2	867.5	851.9	831.9	810.6	797.3
12.5°	990.0	972.5	957.1	930.6	908.1	880.2	861.7	839.6	818.6	793.3	780.2
15°	1028.7	996.4	967.1	937.1	909.5	870.5	849.9	820.2	792.6	761.3	746.3
17.5°	1058.5	1022.3	976.2	938.1	905.8	862.6	832.3	796.8	764.1	728.3	708.0
20°	1075.7	1034.0	984.4	939.1	900.4	851.2	818.2	781.9	743.6	703.3	681.4
22.5°	1085.7	1042.1	992.9	935.1	889.8	841.9	800.4	760.6	721.8	678.3	655.2
25°	1089.0	1049.0	997.0	931.7	876.5	822.2	772.2	733.6	686.7	646.0	612.4
27.5°	1073.1	1044.5	994.5	925.5	861.1	797.6	742.0	698.2	648.6	604.6	570.7
30°	1053.6	1037.0	988.4	919.1	848.8	780.6	719.3	669.7	620.5	575.8	541.2
32.5°	1023.6	1019.9	977.2	910.1	835.8	759.0	695.6	645.4	590.8	547.0	514.0
35°	964.4	980.4	953.4	889.8	811.2	728.3	659.7	602.4	545.8	503.8	472.9
37.5°	885.2	924.9	917.8	860.1	778.0	694.9	619.1	559.3	505.3	463.0	432.6
40°	830.5	881.2	888.5	837.5	754.7	669.1	588.8	529.1	476.5	437.9	407.2
42.5°	772.0	831.1	851.2	810.4	729.1	641.9	561.6	499.9	447.8	410.2	383.1
45°	673.7	752.0	788.3	764.9	686.3	597.1	514.5	451.9	404.7	369.3	348.3
47.5°	581.8	667.4	716.2	707.9	638.8	550.5	468.9	408.8	362.7	334.6	315.8
50°	516.8	604.8	663.7	666.4	604.8	517.2	435.2	378.6	336.4	310.0	294.7
52.5°	460.4	544.3	608.6	622.7	566.7	482.5	405.1	348.8	311.6	287.4	273.7
55°	386.6	457.5	528.9	554.8	509.9	429.9	358.3	308.7	273.8	257.1	245.1
57.5°	321.5	380.6	446.4	475.1	447.4	379.0	311.8	268.8	240.4	225.8	216.6
60°	287.0	333.7	392.3	426.6	402.6	341.7	283.0	242.1	218.8	205.8	197.2
62.5°	255.1	296.4	345.9	377.3	364.3	306.7	254.3	218.1	198.0	185.8	179.6
65°	210.4	243.1	281.4	310.4	301.8	258.1	215.2	184.1	168.2	158.5	153.6
67.5°	173.3	196.9	223.5	248.8	241.8	210.9	176.5	152.3	140.4	132.1	129.1
70°	149.9	167.8	191.5	211.8	206.2	180.8	153.6	132.9	122.5	115.6	112.5
72.5°	127.5	142.2	160.3	176.9	173.1	152.0	129.3	113.7	105.8	99.3	96.8
75°	96.2	107.5	118.6	129.6	128.6	112.3	98.9	86.9	80.6	75.6	74.6
77.5°	71.1	77.4	84.9	91.4	89.6	80.3	69.8	63.0	58.3	54.9	54.4
80°	54.3	58.0	63.3	67.9	65.6	61.6	53.3	48.3	44.9	41.6	40.3
82.5°	39.3	43.1	46.2	48.8	47.0	43.2	38.1	34.7	32.7	30.4	29.9
85°	20.7	22.6	24.0	24.6	24.0	21.7	19.4	18.0	16.3	15.3	15.0
87.5°	11.8	10.8	10.1	10.2	9.1	8.8	7.2	6.0	6.2	6.4	6.2
90°	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7	2.8	5.6	7.0
92.5°	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5	12.3	17.3	20.3
95°	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4	27.2	34.2	40.4
97.5°	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8	43.5	50.9	60.4
100°	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7	55.7	62.1	73.2
102.5°	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5	68.0	74.3	85.4
105°	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1	87.8	92.7	103.2
107.5°	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1	107.4	112.1	121.7
110°	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5	121.3	125.5	134.6



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7	133.6	138.3	146.8
115°	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9	153.4	157.6	165.9
117.5°	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7	172.5	176.6	184.0
120°	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9	184.8	188.9	195.2
122.5°	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7	195.9	200.0	206.9
125°	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1	211.2	215.3	223.7
127.5°	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4	224.2	230.1	239.2
130°	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6	231.4	238.4	248.2
132.5°	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3	238.7	246.2	256.5
135°	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4	248.2	256.5	267.0
137.5°	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9	258.2	266.5	277.7
140°	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1	264.8	273.2	284.4
142.5°	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3	271.6	279.4	290.5
145°	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2	283.0	290.0	300.4
147.5°	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9	294.0	300.7	310.3
150°	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7	301.8	307.4	316.5
152.5°	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6	308.5	314.1	322.0
155°	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5	319.2	323.4	331.1
157.5°	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8	328.4	331.8	338.5
160°	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9	334.6	337.3	343.0
162.5°	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0	339.6	342.4	346.9
165°	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1	346.4	347.9	352.0
167.5°	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0	352.1	353.4	356.1
170°	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9	355.5	356.1	358.3
172.5°	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1	358.3	357.8	360.0
175°	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8	361.1	360.3	361.8
177.5°	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0	361.9	361.3	362.5
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	855.1	853.5	847.8	844.9	840.2	835.6	832.7	834.0	835.1	834.6	833.7
5°	830.5	824.2	814.6	806.2	800.2	789.3	784.6	782.3	780.2	777.9	775.6
7.5°	801.4	791.4	777.6	765.7	754.5	740.8	733.1	728.3	723.5	718.3	713.6
10°	780.6	766.6	752.0	735.3	722.0	709.6	698.7	691.3	684.7	678.3	673.7
12.5°	758.8	742.6	724.5	701.8	687.1	669.4	667.8	654.9	644.4	640.5	635.1
15°	724.0	701.3	678.3	651.4	639.7	623.8	613.8	603.8	594.8	588.4	586.7
17.5°	684.5	655.1	632.3	613.0	593.9	577.5	568.3	560.3	552.9	544.4	543.3
20°	654.3	629.1	604.1	587.1	567.5	550.8	539.5	531.5	525.1	520.1	515.9
22.5°	625.9	598.2	575.3	556.7	537.3	523.9	515.0	507.3	502.0	496.5	492.4
25°	580.1	558.5	533.5	512.6	496.5	487.9	480.5	473.9	470.6	466.9	462.3
27.5°	540.1	516.0	492.7	476.4	462.4	454.7	449.5	445.0	441.8	439.7	437.0
30°	511.8	487.5	469.2	453.3	441.6	433.9	430.6	427.9	424.3	422.9	421.6
32.5°	484.6	462.8	447.1	433.3	422.1	417.1	414.1	411.7	408.8	407.5	404.8
35°	446.2	427.9	412.6	404.9	395.9	391.6	389.3	385.9	383.3	382.0	381.7
37.5°	410.1	394.1	384.1	374.3	370.4	367.7	364.6	362.3	361.5	361.3	361.0
40°	386.6	373.6	364.6	356.7	355.0	351.0	348.3	346.3	346.3	346.7	346.3
42.5°	365.3	353.7	345.7	338.9	336.9	334.5	331.8	331.7	332.3	333.3	332.3
45°	333.1	324.7	319.1	315.7	312.0	309.7	309.3	310.4	310.7	311.0	312.0
47.5°	303.3	297.7	292.7	289.0	287.4	287.0	286.6	288.3	289.9	290.5	292.0
50°	285.7	279.4	275.1	272.8	271.4	270.7	271.4	273.4	274.7	276.4	277.4
52.5°	266.0	261.5	258.6	256.7	256.2	256.6	256.7	259.0	261.2	261.7	262.3
55°	238.8	235.4	234.8	231.8	233.1	232.7	234.4	235.8	237.7	239.8	240.1
57.5°	211.6	208.9	207.1	207.4	207.8	209.3	210.6	213.0	215.2	217.2	217.5
60°	193.5	192.2	191.2	191.2	191.8	193.9	195.5	197.8	199.1	200.5	201.4
62.5°	177.0	175.7	174.6	175.1	176.9	178.1	180.0	181.3	182.6	184.0	184.4
65°	150.9	150.2	151.2	151.9	152.2	153.8	156.2	157.2	158.5	159.2	161.5
67.5°	126.8	127.0	126.8	127.8	129.7	130.1	132.2	134.6	134.9	136.2	137.7
70°	110.6	111.2	111.9	112.5	114.2	114.9	116.5	117.5	118.9	119.8	120.9
72.5°	95.7	95.8	96.5	96.3	97.7	99.2	100.6	101.6	102.9	104.2	105.1
75°	73.6	73.6	74.3	74.6	76.2	77.9	77.6	78.3	79.6	81.0	81.6
77.5°	53.8	53.1	53.8	54.0	54.6	56.0	56.3	57.2	58.8	58.3	59.0
80°	40.9	39.9	40.9	41.3	41.3	43.0	43.0	43.6	44.6	43.6	44.6
82.5°	29.2	28.8	29.5	29.6	30.1	30.1	30.7	30.9	31.8	31.4	31.8
85°	14.6	14.4	14.6	14.4	14.6	15.0	15.0	14.6	14.6	15.3	14.4
87.5°	6.2	6.3	6.8	7.8	8.3	8.2	7.8	7.7	7.4	7.1	7.2
90°	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3	21.0	22.3	23.0
92.5°	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8	52.2	46.3	42.0
95°	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6	140.1	110.8	95.5
97.5°	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1	348.7	273.2	222.9
100°	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4	550.0	454.5	370.1
102.5°	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2	754.7	684.7	595.4
105°	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9	925.7	934.8	911.8
107.5°	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5	913.1	985.6	1019.4
110°	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3	874.1	963.3	1020.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1	827.8	923.2	988.7
115°	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3	764.6	856.0	927.7
117.5°	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1	713.4	796.2	863.5
120°	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1	686.6	760.5	823.9
122.5°	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1	664.3	734.2	791.6
125°	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2	635.0	696.3	748.6
127.5°	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6	606.5	664.4	712.7
130°	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6	587.6	642.7	688.7
132.5°	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2	569.8	620.4	663.6
135°	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6	541.6	587.6	626.6
137.5°	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7	519.2	555.7	589.7
140°	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2	504.7	536.7	567.4
142.5°	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4	491.9	519.4	545.1
145°	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4	475.4	497.0	517.2
147.5°	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9	462.0	478.8	493.7
150°	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7	453.1	467.7	480.3
152.5°	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6	445.9	458.3	469.1
155°	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1	434.3	444.7	452.4
157.5°	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2	422.6	431.3	437.3
160°	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1	414.7	422.4	427.3
162.5°	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9	407.5	414.0	417.9
165°	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7	396.6	401.5	404.3
167.5°	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0	386.7	390.0	392.6
170°	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5	380.6	383.3	384.8
172.5°	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4	375.1	377.3	378.1
175°	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0	368.7	369.4	370.1
177.5°	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2	364.2	364.7	364.7
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	831.1	830.5	830.5	828.1	830.5	830.5	831.1	833.7	834.6	835.1	834.0
5°	771.0	769.9	768.3	769.9	768.3	769.9	771.0	775.6	777.9	780.2	782.3
7.5°	711.5	707.5	706.9	702.9	706.9	707.5	711.5	713.6	718.3	723.5	728.3
10°	668.1	665.4	665.0	658.7	665.0	665.4	668.1	673.7	678.3	684.7	691.3
12.5°	635.0	628.6	629.9	626.2	629.9	628.6	635.0	635.1	640.5	644.4	654.9
15°	577.7	577.7	576.5	570.8	576.5	577.7	577.7	586.7	588.4	594.8	603.8
17.5°	536.7	536.0	532.8	534.4	532.8	536.0	536.7	543.3	544.4	552.9	560.3
20°	512.2	510.1	506.2	506.2	506.2	510.1	512.2	515.9	520.1	525.1	531.5
22.5°	489.0	488.8	484.6	486.0	484.6	488.8	489.0	492.4	496.5	502.0	507.3
25°	461.9	459.2	457.3	458.3	457.3	459.2	461.9	462.3	466.9	470.6	473.9
27.5°	436.2	434.7	434.6	431.9	434.6	434.7	436.2	437.0	439.7	441.8	445.0
30°	421.2	417.9	418.6	417.0	418.6	417.9	421.2	421.6	422.9	424.3	427.9
32.5°	404.2	403.1	402.3	400.9	402.3	403.1	404.2	404.8	407.5	408.8	411.7
35°	380.9	381.3	379.6	380.3	379.6	381.3	380.9	381.7	382.0	383.3	385.9
37.5°	360.7	361.8	361.0	361.1	361.0	361.8	360.7	361.0	361.3	361.5	362.3
40°	347.3	347.3	347.3	348.3	347.3	347.3	347.3	346.3	346.7	346.3	346.3
42.5°	334.6	334.0	333.5	333.4	333.5	334.0	334.6	332.3	333.3	332.3	331.7
45°	312.7	313.7	314.1	312.4	314.1	313.7	312.7	312.0	311.0	310.7	310.4
47.5°	292.9	293.0	292.9	294.4	292.9	293.0	292.9	292.0	290.5	289.9	288.3
50°	279.1	278.4	279.1	278.4	279.1	278.4	279.1	277.4	276.4	274.7	273.4
52.5°	264.4	264.6	264.1	264.0	264.1	264.6	264.4	262.3	261.7	261.2	259.0
55°	241.5	242.1	241.7	241.7	241.7	242.1	241.5	240.1	239.8	237.7	235.8
57.5°	217.7	218.3	218.7	217.2	218.7	218.3	217.7	217.5	217.2	215.2	213.0
60°	201.2	202.8	202.5	201.8	202.5	202.8	201.2	201.4	200.5	199.1	197.8
62.5°	185.9	186.5	186.5	186.4	186.5	186.5	185.9	184.4	184.0	182.6	181.3
65°	162.5	163.2	162.2	163.2	162.2	163.2	162.5	161.5	159.2	158.5	157.2
67.5°	137.2	137.5	138.2	138.7	138.2	137.5	137.2	137.7	136.2	134.9	134.6
70°	121.5	121.2	122.3	123.2	122.3	121.2	121.5	120.9	119.8	118.9	117.5
72.5°	105.0	105.8	105.4	106.2	105.4	105.8	105.0	105.1	104.2	102.9	101.6
75°	81.0	81.9	81.6	82.6	81.6	81.9	81.0	81.6	81.0	79.6	78.3
77.5°	58.5	58.6	58.5	59.0	58.5	58.6	58.5	59.0	58.3	58.8	57.2
80°	44.6	44.0	43.2	44.6	43.2	44.0	44.6	44.6	43.6	44.6	43.6
82.5°	31.0	31.5	30.8	30.8	30.8	31.5	31.0	31.8	31.4	31.8	30.9
85°	14.4	14.0	13.3	13.3	13.3	14.0	14.4	14.4	15.3	14.6	14.6
87.5°	7.2	7.0	7.0	6.7	7.0	7.0	7.2	7.2	7.1	7.4	7.7
90°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.3	21.0	22.3
92.5°	41.4	39.1	39.8	38.6	39.8	39.1	41.4	42.0	46.3	52.2	60.8
95°	86.4	80.9	78.7	79.5	78.7	80.9	86.4	95.5	110.8	140.1	182.6
97.5°	189.6	172.5	162.3	156.4	162.3	172.5	189.6	222.9	273.2	348.7	426.1
100°	312.3	282.3	262.1	249.5	262.1	282.3	312.3	370.1	454.5	550.0	636.4
102.5°	532.5	481.3	456.1	439.2	456.1	481.3	532.5	595.4	684.7	754.7	774.2
105°	868.5	825.3	795.3	785.6	795.3	825.3	868.5	911.8	934.8	925.7	846.9
107.5°	1024.8	1022.4	1016.5	1003.4	1016.5	1022.4	1024.8	1019.4	985.6	913.1	794.5
110°	1050.4	1063.7	1070.0	1069.3	1070.0	1063.7	1050.4	1020.5	963.3	874.1	749.3



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1030.4	1052.6	1064.4	1068.2	1064.4	1052.6	1030.4	988.7	923.2	827.8	708.1
115°	977.2	1009.3	1027.4	1033.8	1027.4	1009.3	977.2	927.7	856.0	764.6	657.3
117.5°	914.0	947.9	967.0	972.2	967.0	947.9	914.0	863.5	796.2	713.4	619.1
120°	872.7	905.4	925.7	932.6	925.7	905.4	872.7	823.9	760.5	686.6	600.1
122.5°	835.4	867.5	885.6	891.4	885.6	867.5	835.4	791.6	734.2	664.3	585.1
125°	789.1	815.6	832.9	838.6	832.9	815.6	789.1	748.6	696.3	635.0	563.2
127.5°	748.0	772.8	787.8	792.3	787.8	772.8	748.0	712.7	664.4	606.5	541.6
130°	722.8	746.5	760.5	766.1	760.5	746.5	722.8	688.7	642.7	587.6	527.6
132.5°	697.2	720.9	733.7	738.7	733.7	720.9	697.2	663.6	620.4	569.8	514.2
135°	656.7	679.7	692.1	695.0	692.1	679.7	656.7	626.6	587.6	541.6	495.6
137.5°	617.1	636.9	647.8	652.0	647.8	636.9	617.1	589.7	555.7	519.2	480.7
140°	589.7	607.8	618.3	622.5	618.3	607.8	589.7	567.4	536.7	504.7	471.2
142.5°	566.3	582.7	592.1	592.9	592.1	582.7	566.3	545.1	519.4	491.9	463.4
145°	534.0	545.8	552.8	554.8	552.8	545.8	534.0	517.2	497.0	475.4	452.4
147.5°	507.5	516.9	521.7	522.9	521.7	516.9	507.5	493.7	478.8	462.0	443.9
150°	490.7	499.1	503.3	504.0	503.3	499.1	490.7	480.3	467.7	453.1	437.7
152.5°	477.3	484.6	487.7	487.8	487.7	484.6	477.3	469.1	458.3	445.9	431.6
155°	460.0	464.9	467.7	466.4	467.7	464.9	460.0	452.4	444.7	434.3	423.1
157.5°	442.7	446.8	448.1	448.1	448.1	446.8	442.7	437.3	431.3	422.6	413.2
160°	432.2	435.7	436.3	436.3	436.3	435.7	432.2	427.3	422.4	414.7	407.1
162.5°	422.7	425.1	425.8	425.2	425.8	425.1	422.7	417.9	414.0	407.5	400.9
165°	407.1	409.8	409.8	409.2	409.8	409.8	407.1	404.3	401.5	396.6	391.7
167.5°	393.9	395.4	395.2	394.4	395.2	395.4	393.9	392.6	390.0	386.7	383.0
170°	385.5	387.5	386.8	385.5	386.8	387.5	385.5	384.8	383.3	380.6	378.5
172.5°	378.8	379.8	379.1	378.3	379.1	379.8	378.8	378.1	377.3	375.1	373.4
175°	370.1	370.9	370.1	368.7	370.1	370.9	370.1	370.1	369.4	368.7	368.0
177.5°	364.7	364.7	364.2	363.0	364.2	364.7	364.7	364.7	364.7	364.2	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	832.7	835.6	840.2	844.9	847.8	853.5	855.1	857.7	860.1	865.7	871.6
5°	784.6	789.3	800.2	806.2	814.6	824.2	830.5	837.2	844.5	857.2	868.9
7.5°	733.1	740.8	754.5	765.7	777.6	791.4	801.4	814.6	825.5	843.3	860.4
10°	698.7	709.6	722.0	735.3	752.0	766.6	780.6	797.3	810.6	831.9	851.9
12.5°	667.8	669.4	687.1	701.8	724.5	742.6	758.8	780.2	793.3	818.6	839.6
15°	613.8	623.8	639.7	651.4	678.3	701.3	724.0	746.3	761.3	792.6	820.2
17.5°	568.3	577.5	593.9	613.0	632.3	655.1	684.5	708.0	728.3	764.1	796.8
20°	539.5	550.8	567.5	587.1	604.1	629.1	654.3	681.4	703.3	743.6	781.9
22.5°	515.0	523.9	537.3	556.7	575.3	598.2	625.9	655.2	678.3	721.8	760.6
25°	480.5	487.9	496.5	512.6	533.5	558.5	580.1	612.4	646.0	686.7	733.6
27.5°	449.5	454.7	462.4	476.4	492.7	516.0	540.1	570.7	604.6	648.6	698.2
30°	430.6	433.9	441.6	453.3	469.2	487.5	511.8	541.2	575.8	620.5	669.7
32.5°	414.1	417.1	422.1	433.3	447.1	462.8	484.6	514.0	547.0	590.8	645.4
35°	389.3	391.6	395.9	404.9	412.6	427.9	446.2	472.9	503.8	545.8	602.4
37.5°	364.6	367.7	370.4	374.3	384.1	394.1	410.1	432.6	463.0	505.3	559.3
40°	348.3	351.0	355.0	356.7	364.6	373.6	386.6	407.2	437.9	476.5	529.1
42.5°	331.8	334.5	336.9	338.9	345.7	353.7	365.3	383.1	410.2	447.8	499.9
45°	309.3	309.7	312.0	315.7	319.1	324.7	333.1	348.3	369.3	404.7	451.9
47.5°	286.6	287.0	287.4	289.0	292.7	297.7	303.3	315.8	334.6	362.7	408.8
50°	271.4	270.7	271.4	272.8	275.1	279.4	285.7	294.7	310.0	336.4	378.6
52.5°	256.7	256.6	256.2	256.7	258.6	261.5	266.0	273.7	287.4	311.6	348.8
55°	234.4	232.7	233.1	231.8	234.8	235.4	238.8	245.1	257.1	273.8	308.7
57.5°	210.6	209.3	207.8	207.4	207.1	208.9	211.6	216.6	225.8	240.4	268.8
60°	195.5	193.9	191.8	191.2	191.2	192.2	193.5	197.2	205.8	218.8	242.1
62.5°	180.0	178.1	176.9	175.1	174.6	175.7	177.0	179.6	185.8	198.0	218.1
65°	156.2	153.8	152.2	151.9	151.2	150.2	150.9	153.6	158.5	168.2	184.1
67.5°	132.2	130.1	129.7	127.8	126.8	127.0	126.8	129.1	132.1	140.4	152.3
70°	116.5	114.9	114.2	112.5	111.9	111.2	110.6	112.5	115.6	122.5	132.9
72.5°	100.6	99.2	97.7	96.3	96.5	95.8	95.7	96.8	99.3	105.8	113.7
75°	77.6	77.9	76.2	74.6	74.3	73.6	73.6	74.6	75.6	80.6	86.9
77.5°	56.3	56.0	54.6	54.0	53.8	53.1	53.8	54.4	54.9	58.3	63.0
80°	43.0	43.0	41.3	41.3	40.9	39.9	40.9	40.3	41.6	44.9	48.3
82.5°	30.7	30.1	30.1	29.6	29.5	28.8	29.2	29.9	30.4	32.7	34.7
85°	15.0	15.0	14.6	14.4	14.6	14.4	14.6	15.0	15.3	16.3	18.0
87.5°	7.8	8.2	8.3	7.8	6.8	6.3	6.2	6.2	6.4	6.2	6.0
90°	23.0	23.7	23.0	18.8	13.9	10.4	8.4	7.0	5.6	2.8	0.7
92.5°	76.5	90.6	89.3	69.6	47.4	31.7	25.1	20.3	17.3	12.3	8.5
95°	239.1	273.2	241.9	161.0	100.4	68.3	51.5	40.4	34.2	27.2	24.4
97.5°	489.4	466.5	351.3	217.0	132.4	92.1	73.2	60.4	50.9	43.5	39.8
100°	651.0	550.6	379.2	228.6	143.6	106.6	87.1	73.2	62.1	55.7	53.7
102.5°	711.2	553.5	368.6	229.2	153.6	119.5	100.0	85.4	74.3	68.0	66.5
105°	702.0	516.5	347.9	232.8	170.8	138.0	118.5	103.2	92.7	87.8	85.1
107.5°	640.7	476.9	337.5	242.5	188.3	156.6	136.9	121.7	112.1	107.4	105.1
110°	602.3	458.0	335.3	250.2	200.0	169.4	149.2	134.6	125.5	121.3	118.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	575.5	445.7	335.8	258.6	211.2	181.6	160.9	146.8	138.3	133.6	130.7
115°	542.3	432.2	338.8	271.2	228.6	198.7	179.9	165.9	157.6	153.4	149.9
117.5°	521.4	425.6	343.8	284.5	244.7	217.0	197.4	184.0	176.6	172.5	169.7
120°	510.2	421.7	347.1	293.5	255.8	228.6	209.1	195.2	188.9	184.8	181.9
122.5°	500.8	419.5	351.1	301.3	266.4	240.9	220.8	206.9	200.0	195.9	193.7
125°	487.2	415.4	356.9	313.7	282.3	257.2	237.7	223.7	215.3	211.2	209.1
127.5°	474.7	413.0	362.9	325.2	297.1	272.7	252.6	239.2	230.1	224.2	221.4
130°	466.4	412.0	367.4	332.5	306.0	281.6	262.1	248.2	238.4	231.4	228.6
132.5°	459.7	411.4	371.8	339.7	313.8	290.5	271.0	256.5	246.2	238.7	235.3
135°	450.3	410.5	377.1	349.2	324.9	302.6	283.0	267.0	256.5	248.2	245.4
137.5°	443.7	410.5	381.8	356.5	333.8	311.7	293.6	277.7	266.5	258.2	254.9
140°	439.9	409.8	384.1	360.3	338.8	317.9	299.7	284.4	273.2	264.8	262.1
142.5°	436.0	409.8	385.8	363.7	342.7	322.4	305.3	290.5	279.4	271.6	269.3
145°	430.8	408.5	387.5	368.0	348.6	329.7	314.3	300.4	290.0	283.0	280.2
147.5°	425.5	406.0	388.2	370.4	353.3	335.6	321.9	310.3	300.7	294.0	291.9
150°	421.0	404.3	387.5	371.5	355.5	339.5	326.9	316.5	307.4	301.8	299.7
152.5°	417.1	401.5	386.5	372.1	357.8	343.4	331.9	322.0	314.1	308.5	307.6
155°	409.8	396.6	384.8	372.9	361.1	349.2	338.8	331.1	323.4	319.2	318.5
157.5°	403.1	391.6	381.6	372.9	363.5	353.4	344.6	338.5	331.8	328.4	327.8
160°	398.1	388.3	379.9	372.9	364.5	356.1	348.6	343.0	337.3	334.6	333.9
162.5°	393.5	385.5	378.3	372.4	365.2	357.8	351.9	346.9	342.4	339.6	340.0
165°	386.2	379.9	375.1	370.9	366.0	359.7	355.5	352.0	347.9	346.4	347.1
167.5°	378.9	375.1	371.8	369.9	365.8	361.2	358.6	356.1	353.4	352.1	353.0
170°	375.1	372.2	370.1	368.7	365.2	361.8	359.7	358.3	356.1	355.5	356.9
172.5°	371.1	368.9	367.9	367.0	364.7	362.3	360.8	360.0	357.8	358.3	359.1
175°	366.0	365.2	364.5	365.2	363.8	362.5	361.8	361.8	360.3	361.1	361.8
177.5°	363.0	362.5	363.0	364.2	363.0	362.5	362.5	362.5	361.3	361.9	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	871.0	872.4	876.6	880.9	885.6	887.0	889.1	887.3	886.7	891.8	895.5
5°	873.5	879.5	891.2	901.8	910.8	917.1	923.8	926.5	931.5	938.4	947.1
7.5°	870.7	882.3	900.7	916.2	933.1	945.3	954.8	963.0	972.8	986.1	1000.5
10°	867.5	883.2	905.4	924.4	945.1	960.7	973.7	986.4	1001.0	1019.4	1038.3
12.5°	861.7	880.2	908.1	930.6	957.1	972.5	990.0	1017.3	1033.0	1058.5	1085.2
15°	849.9	870.5	909.5	937.1	967.1	996.4	1028.7	1054.6	1080.7	1095.6	1133.3
17.5°	832.3	862.6	905.8	938.1	976.2	1022.3	1058.5	1088.1	1118.0	1142.3	1161.2
20°	818.2	851.2	900.4	939.1	984.4	1034.0	1075.7	1105.6	1131.6	1151.9	1163.6
22.5°	800.4	841.9	889.8	935.1	992.9	1042.1	1085.7	1109.4	1131.0	1140.9	1145.4
25°	772.2	822.2	876.5	931.7	997.0	1049.0	1089.0	1103.3	1109.6	1099.9	1084.0
27.5°	742.0	797.6	861.1	925.5	994.5	1044.5	1073.1	1070.9	1060.2	1028.9	1003.9
30°	719.3	780.6	848.8	919.1	988.4	1037.0	1053.6	1037.0	1012.7	977.8	942.1
32.5°	695.6	759.0	835.8	910.1	977.2	1019.9	1023.6	994.9	957.3	917.6	873.1
35°	659.7	728.3	811.2	889.8	953.4	980.4	964.4	913.8	869.2	814.9	754.3
37.5°	619.1	694.9	778.0	860.1	917.8	924.9	885.2	831.9	768.9	705.2	633.8
40°	588.8	669.1	754.7	837.5	888.5	881.2	830.5	772.0	697.0	619.1	552.8
42.5°	561.6	641.9	729.1	810.4	851.2	831.1	772.0	700.0	619.5	546.1	485.4
45°	514.5	597.1	686.3	764.9	788.3	752.0	673.7	593.8	514.5	453.3	405.3
47.5°	468.9	550.5	638.8	707.9	716.2	667.4	581.8	499.6	431.5	381.6	347.8
50°	435.2	517.2	604.8	666.4	663.7	604.8	516.8	438.5	381.7	341.3	318.7
52.5°	405.1	482.5	566.7	622.7	608.6	544.3	460.4	390.9	344.1	312.5	292.0
55°	358.3	429.9	509.9	554.8	528.9	457.5	386.6	330.6	296.0	272.4	256.5
57.5°	311.8	379.0	447.4	475.1	446.4	380.6	321.5	280.9	254.9	237.3	226.9
60°	283.0	341.7	402.6	426.6	392.3	333.7	287.0	250.7	229.8	215.4	206.2
62.5°	254.3	306.7	364.3	377.3	345.9	296.4	255.1	224.9	207.7	194.9	186.2
65°	215.2	258.1	301.8	310.4	281.4	243.1	210.4	190.8	175.5	166.2	159.2
67.5°	176.5	210.9	241.8	248.8	223.5	196.9	173.3	156.2	145.8	138.0	132.2
70°	153.6	180.8	206.2	211.8	191.5	167.8	149.9	136.2	126.9	120.2	114.6
72.5°	129.3	152.0	173.1	176.9	160.3	142.2	127.5	116.7	108.5	104.2	98.8
75°	98.9	112.3	128.6	129.6	118.6	107.5	96.2	89.3	84.9	79.6	77.0
77.5°	69.8	80.3	89.6	91.4	84.9	77.4	71.1	65.5	61.9	59.4	57.0
80°	53.3	61.6	65.6	67.9	63.3	58.0	54.3	50.6	48.3	46.6	44.9
82.5°	38.1	43.2	47.0	48.8	46.2	43.1	39.3	37.3	35.5	34.1	33.5
85°	19.4	21.7	24.0	24.6	24.0	22.6	20.7	20.7	19.6	19.4	19.4
87.5°	7.2	8.8	9.1	10.2	10.1	10.8	11.8	12.3	12.2	11.8	11.4
90°	2.8	5.6	7.0	8.4	10.4	13.9	18.8	23.0	23.7	23.0	22.3
92.5°	12.3	17.3	20.3	25.1	31.7	47.4	69.6	89.3	90.6	76.5	60.8
95°	27.2	34.2	40.4	51.5	68.3	100.4	161.0	241.9	273.2	239.1	182.6
97.5°	43.5	50.9	60.4	73.2	92.1	132.4	217.0	351.3	466.5	489.4	426.1
100°	55.7	62.1	73.2	87.1	106.6	143.6	228.6	379.2	550.6	651.0	636.4
102.5°	68.0	74.3	85.4	100.0	119.5	153.6	229.2	368.6	553.5	711.2	774.2
105°	87.8	92.7	103.2	118.5	138.0	170.8	232.8	347.9	516.5	702.0	846.9
107.5°	107.4	112.1	121.7	136.9	156.6	188.3	242.5	337.5	476.9	640.7	794.5
110°	121.3	125.5	134.6	149.2	169.4	200.0	250.2	335.3	458.0	602.3	749.3



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	133.6	138.3	146.8	160.9	181.6	211.2	258.6	335.8	445.7	575.5	708.1
115°	153.4	157.6	165.9	179.9	198.7	228.6	271.2	338.8	432.2	542.3	657.3
117.5°	172.5	176.6	184.0	197.4	217.0	244.7	284.5	343.8	425.6	521.4	619.1
120°	184.8	188.9	195.2	209.1	228.6	255.8	293.5	347.1	421.7	510.2	600.1
122.5°	195.9	200.0	206.9	220.8	240.9	266.4	301.3	351.1	419.5	500.8	585.1
125°	211.2	215.3	223.7	237.7	257.2	282.3	313.7	356.9	415.4	487.2	563.2
127.5°	224.2	230.1	239.2	252.6	272.7	297.1	325.2	362.9	413.0	474.7	541.6
130°	231.4	238.4	248.2	262.1	281.6	306.0	332.5	367.4	412.0	466.4	527.6
132.5°	238.7	246.2	256.5	271.0	290.5	313.8	339.7	371.8	411.4	459.7	514.2
135°	248.2	256.5	267.0	283.0	302.6	324.9	349.2	377.1	410.5	450.3	495.6
137.5°	258.2	266.5	277.7	293.6	311.7	333.8	356.5	381.8	410.5	443.7	480.7
140°	264.8	273.2	284.4	299.7	317.9	338.8	360.3	384.1	409.8	439.9	471.2
142.5°	271.6	279.4	290.5	305.3	322.4	342.7	363.7	385.8	409.8	436.0	463.4
145°	283.0	290.0	300.4	314.3	329.7	348.6	368.0	387.5	408.5	430.8	452.4
147.5°	294.0	300.7	310.3	321.9	335.6	353.3	370.4	388.2	406.0	425.5	443.9
150°	301.8	307.4	316.5	326.9	339.5	355.5	371.5	387.5	404.3	421.0	437.7
152.5°	308.5	314.1	322.0	331.9	343.4	357.8	372.1	386.5	401.5	417.1	431.6
155°	319.2	323.4	331.1	338.8	349.2	361.1	372.9	384.8	396.6	409.8	423.1
157.5°	328.4	331.8	338.5	344.6	353.4	363.5	372.9	381.6	391.6	403.1	413.2
160°	334.6	337.3	343.0	348.6	356.1	364.5	372.9	379.9	388.3	398.1	407.1
162.5°	339.6	342.4	346.9	351.9	357.8	365.2	372.4	378.3	385.5	393.5	400.9
165°	346.4	347.9	352.0	355.5	359.7	366.0	370.9	375.1	379.9	386.2	391.7
167.5°	352.1	353.4	356.1	358.6	361.2	365.8	369.9	371.8	375.1	378.9	383.0
170°	355.5	356.1	358.3	359.7	361.8	365.2	368.7	370.1	372.2	375.1	378.5
172.5°	358.3	357.8	360.0	360.8	362.3	364.7	367.0	367.9	368.9	371.1	373.4
175°	361.1	360.3	361.8	361.8	362.5	363.8	365.2	364.5	365.2	366.0	368.0
177.5°	361.9	361.3	362.5	362.5	362.5	363.0	364.2	363.0	362.5	363.0	364.2
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	866.5	866.5	866.5	866.5	866.5	866.5	866.5
2.5°	898.8	902.5	902.5	903.0	907.2	906.8	906.5
5°	956.4	962.1	962.8	968.8	972.8	971.4	967.8
7.5°	1010.8	1021.4	1029.4	1033.8	1039.1	1042.3	1040.9
10°	1054.0	1069.3	1078.6	1084.9	1092.6	1098.3	1096.3
12.5°	1093.1	1111.4	1124.2	1135.1	1136.0	1143.4	1138.4
15°	1154.2	1173.6	1175.5	1183.6	1189.9	1189.2	1189.5
17.5°	1174.4	1180.6	1181.9	1182.1	1182.1	1179.8	1174.7
20°	1167.2	1164.9	1159.2	1154.9	1147.3	1146.2	1139.6
22.5°	1133.1	1125.7	1111.5	1102.2	1090.2	1087.1	1085.2
25°	1066.0	1049.6	1027.0	1005.4	999.3	987.7	991.0
27.5°	973.8	948.4	923.9	906.3	890.5	873.0	878.0
30°	909.1	880.5	845.9	819.2	802.3	785.6	782.6
32.5°	831.9	789.9	751.3	727.8	701.8	691.3	679.8
35°	698.7	657.7	619.4	586.5	567.5	552.8	539.5
37.5°	578.8	531.7	500.8	474.1	460.4	452.0	454.1
40°	504.5	463.2	440.6	420.3	407.6	401.6	403.0
42.5°	444.3	413.4	394.8	380.8	371.9	368.5	367.7
45°	375.9	358.6	343.3	335.4	331.0	327.3	325.0
47.5°	329.4	315.2	306.6	301.8	298.0	294.4	294.3
50°	301.4	292.0	286.1	281.1	278.0	275.4	277.8
52.5°	280.1	271.5	265.6	261.1	259.9	257.5	257.5
55°	248.4	241.7	237.5	233.4	231.5	230.2	228.5
57.5°	219.6	213.3	209.4	206.8	203.0	201.7	201.2
60°	199.1	194.1	190.1	186.8	185.1	182.5	182.5
62.5°	180.2	175.2	171.5	169.0	166.2	165.1	165.4
65°	152.8	148.8	145.2	142.5	141.9	139.9	140.5
67.5°	127.7	125.0	121.2	119.7	118.4	117.3	116.5
70°	110.9	108.3	106.2	104.2	103.3	103.3	103.3
72.5°	96.8	93.5	92.4	89.9	90.4	89.3	88.3
75°	74.9	72.9	72.0	70.9	69.3	69.3	69.3
77.5°	55.1	54.6	53.3	52.3	51.9	51.5	51.7
80°	42.6	42.3	41.6	41.6	40.9	40.7	39.9
82.5°	32.7	31.9	31.5	31.2	31.1	31.0	30.9
85°	18.6	18.0	18.0	18.3	17.7	17.7	18.0
87.5°	11.4	11.7	11.5	11.5	11.8	11.5	11.5
90°	21.0	22.3	23.0	23.0	23.0	23.0	23.0
92.5°	52.2	46.3	42.0	41.4	39.1	39.8	38.6
95°	140.1	110.8	95.5	86.4	80.9	78.7	79.5
97.5°	348.7	273.2	222.9	189.6	172.5	162.3	156.4
100°	550.0	454.5	370.1	312.3	282.3	262.1	249.5
102.5°	754.7	684.7	595.4	532.5	481.3	456.1	439.2
105°	925.7	934.8	911.8	868.5	825.3	795.3	785.6
107.5°	913.1	985.6	1019.4	1024.8	1022.4	1016.5	1003.4
110°	874.1	963.3	1020.5	1050.4	1063.7	1070.0	1069.3



TEST NUMBER: P331305-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	827.8	923.2	988.7	1030.4	1052.6	1064.4	1068.2
115°	764.6	856.0	927.7	977.2	1009.3	1027.4	1033.8
117.5°	713.4	796.2	863.5	914.0	947.9	967.0	972.2
120°	686.6	760.5	823.9	872.7	905.4	925.7	932.6
122.5°	664.3	734.2	791.6	835.4	867.5	885.6	891.4
125°	635.0	696.3	748.6	789.1	815.6	832.9	838.6
127.5°	606.5	664.4	712.7	748.0	772.8	787.8	792.3
130°	587.6	642.7	688.7	722.8	746.5	760.5	766.1
132.5°	569.8	620.4	663.6	697.2	720.9	733.7	738.7
135°	541.6	587.6	626.6	656.7	679.7	692.1	695.0
137.5°	519.2	555.7	589.7	617.1	636.9	647.8	652.0
140°	504.7	536.7	567.4	589.7	607.8	618.3	622.5
142.5°	491.9	519.4	545.1	566.3	582.7	592.1	592.9
145°	475.4	497.0	517.2	534.0	545.8	552.8	554.8
147.5°	462.0	478.8	493.7	507.5	516.9	521.7	522.9
150°	453.1	467.7	480.3	490.7	499.1	503.3	504.0
152.5°	445.9	458.3	469.1	477.3	484.6	487.7	487.8
155°	434.3	444.7	452.4	460.0	464.9	467.7	466.4
157.5°	422.6	431.3	437.3	442.7	446.8	448.1	448.1
160°	414.7	422.4	427.3	432.2	435.7	436.3	436.3
162.5°	407.5	414.0	417.9	422.7	425.1	425.8	425.2
165°	396.6	401.5	404.3	407.1	409.8	409.8	409.2
167.5°	386.7	390.0	392.6	393.9	395.4	395.2	394.4
170°	380.6	383.3	384.8	385.5	387.5	386.8	385.5
172.5°	375.1	377.3	378.1	378.8	379.8	379.1	378.3
175°	368.7	369.4	370.1	370.1	370.9	370.1	368.7
177.5°	364.2	364.7	364.7	364.7	364.7	364.2	363.0
180°	362.5	362.5	362.5	362.5	362.5	362.5	362.5

(END OF REPORT)