

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: P331304-940

Luminaire Tested: **S122DIP-S485D725U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331304-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
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-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

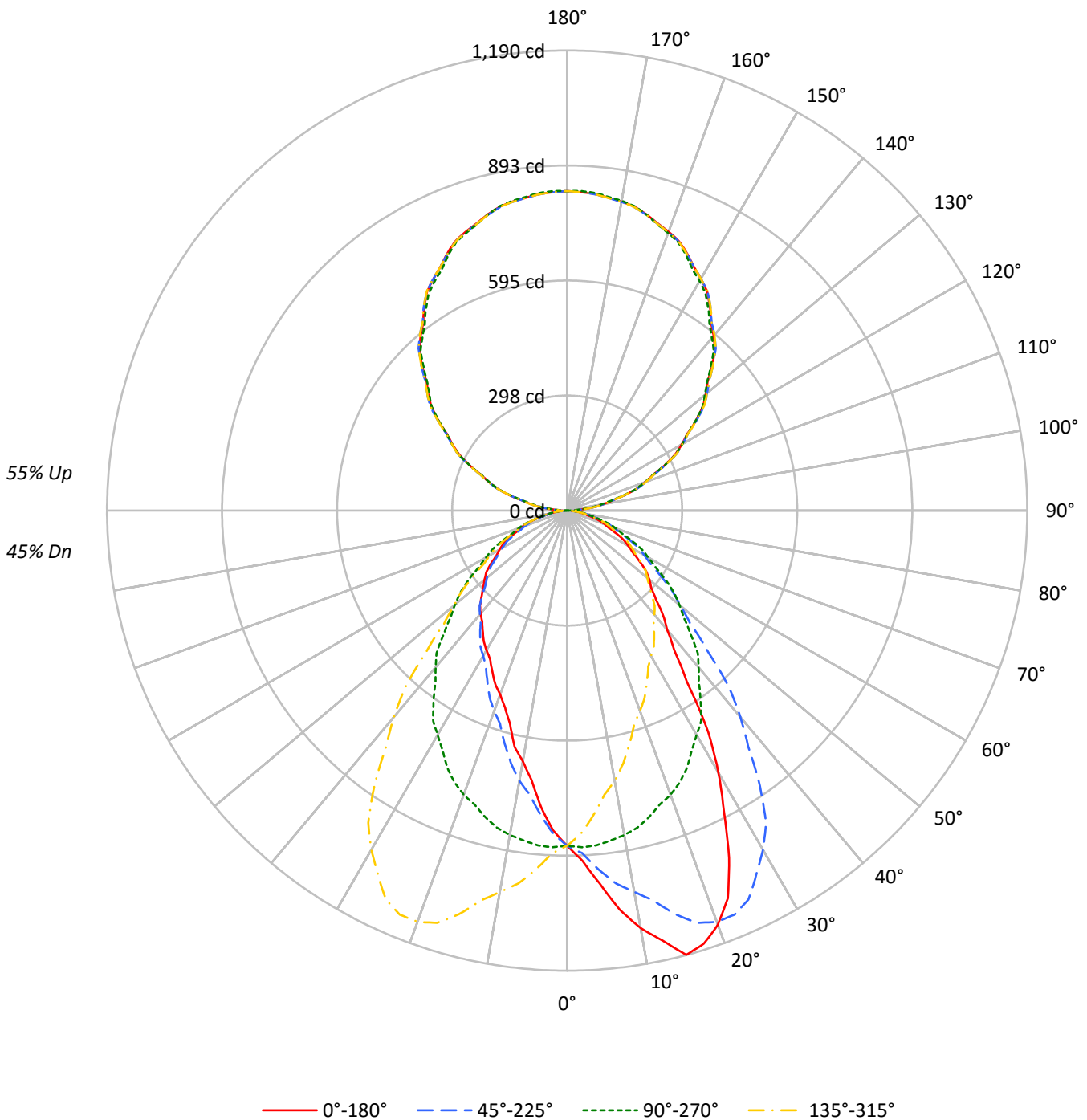
Lumens per Lamp: N/A  
Luminaire Lumens: 4224.5 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (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



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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	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	45	39				
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33				
3	81	72	65	60	74	67	60	56	56	51	48	46	43	40	37	35	33	29				
4	75	64	57	51	68	59	53	47	50	45	41	41	38	35	33	31	29	25				
5	69	57	50	44	63	53	46	41	45	40	36	37	34	30	30	28	25	22				
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20				
7	59	47	39	34	54	43	36	32	37	32	28	31	27	24	25	22	20	18				
8	54	42	35	30	50	39	33	28	34	29	25	28	24	21	23	20	18	16				
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14				
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.5	2.0
10°-20°	239.9	5.7
20°-30°	348.2	8.2
30°-40°	367.4	8.7
40°-50°	325.3	7.7
50°-60°	259.6	6.1
60°-70°	176.5	4.2
70°-80°	90.5	2.1
80°-90°	25.1	0.6
90°-100°	52.3	1.2
100°-110°	162.5	3.8
110°-120°	277.9	6.6
120°-130°	365.4	8.6
130°-140°	410.1	9.7
140°-150°	402.1	9.5
150°-160°	337.3	8.0
160°-170°	223.7	5.3
170°-180°	78.2	1.9
0°-30°	670.6	15.9
0°-40°	1038.0	24.6
0°-60°	1623.0	38.4
0°-90°	1915.0	45.3
90°-120°	492.7	11.7
90°-150°	1670.3	39.5
90°-180°	2309.0	54.7
0°-180°	4224.5	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°	24	1	24	1	24	11
95°	43	36	43	36	43	48
105°	155	150	155	150	155	163
115°	279	279	279	279	279	275
125°	407	406	407	406	407	363
135°	531	525	531	525	531	409
145°	644	637	644	637	644	402
155°	734	728	734	728	734	338
165°	793	792	793	792	793	224
175°	822	825	822	825	822	78
180°	826	826	826	826	826	



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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°	11.7	11.6	11.9	11.6	11.5	11.9	11.9	11.7	12.0	12.3	11.9
90°	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8	24.1	24.4	21.0
92.5°	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3	22.2	22.2	21.4
95°	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6	44.6	44.6	44.3
97.5°	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	74.4
100°	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	95.7
102.5°	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3	119.1	119.0	118.4
105°	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0	153.6	153.4	153.0
107.5°	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4	191.3	191.1	191.1
110°	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8	216.8	216.8	216.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2	242.6	243.0	243.1
115°	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2	281.4	281.6	281.9
117.5°	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1	319.4	319.8	320.7
120°	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3	344.3	344.3	345.5
122.5°	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3	370.7	371.0	371.9
125°	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9	409.4	409.8	410.3
127.5°	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4	446.9	447.5	448.0
130°	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0	472.3	472.6	472.9
132.5°	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9	497.6	498.2	498.1
135°	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6	533.8	533.9	533.6
137.5°	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8	568.9	569.0	568.6
140°	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5	592.5	592.5	591.7
142.5°	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9	613.8	613.7	613.1
145°	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4	646.3	646.1	645.2
147.5°	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9	674.6	674.3	673.7
150°	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0	692.6	692.1	691.5
152.5°	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1	710.5	710.0	709.2
155°	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1	733.3	732.5	732.1
157.5°	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3	754.2	753.1	752.9
160°	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9	767.0	766.0	765.9
162.5°	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3	778.2	777.1	777.0
165°	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0	792.9	791.8	791.8
167.5°	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1	805.0	803.9	804.0
170°	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8	811.7	810.6	810.7
172.5°	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8	816.7	815.6	815.8
175°	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2	822.2	821.1	821.4
177.5°	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7	825.0	824.3	824.5
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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**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°	11.5	10.8	10.2	10.2	9.0	8.6	7.1	6.0	6.1	6.2	6.1
90°	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7	2.6	4.5	6.2
92.5°	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4	13.7	15.2	16.5
95°	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2	37.8	39.3	40.9
97.5°	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3	67.6	68.9	70.3
100°	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5	89.8	91.0	92.2
102.5°	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9	112.9	114.0	114.9
105°	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9	150.3	150.8	151.2
107.5°	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1	188.8	189.4	190.1
110°	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6	213.5	214.5	215.3





TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3	240.3	241.2	242.1
115°	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8	279.7	280.6	281.6
117.5°	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1	319.3	320.6	321.8
120°	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	345.5	346.8	348.0
122.5°	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3	369.8	371.3	372.7
125°	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6	407.1	408.4	409.8
127.5°	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0	443.8	445.6	447.4
130°	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9	466.9	469.0	470.9
132.5°	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5	492.2	493.8	495.4
135°	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9	526.6	528.2	529.9
137.5°	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0	562.3	563.7	565.2
140°	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7	584.1	585.5	586.8
142.5°	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0	606.4	607.8	609.2
145°	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0	638.1	639.3	640.3
147.5°	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7	666.9	668.2	669.5
150°	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2	686.1	687.0	688.0
152.5°	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4	703.4	704.3	705.3
155°	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3	728.8	729.3	729.8
157.5°	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6	750.8	751.2	751.4
160°	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9	764.2	764.6	764.8
162.5°	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1	776.2	776.3	776.3
165°	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5	792.4	792.2	792.0
167.5°	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1	805.7	805.2	804.8
170°	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4	813.0	812.4	812.0
172.5°	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4	818.0	817.5	817.0
175°	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6	824.1	823.6	823.1
177.5°	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1	826.7	826.3	825.9
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**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	6.4	6.9	7.5	7.9	8.4	8.0	7.9	7.8	7.3	7.3
90°	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8	23.5	23.2	23.1
92.5°	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3	22.4	22.4	22.5
95°	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6	44.6	44.6	44.5
97.5°	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0	75.0	75.0	75.0
100°	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2	96.2	96.2	96.1
102.5°	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3	119.4	119.6	119.5
105°	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0	154.3	154.6	154.7
107.5°	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4	191.5	191.6	191.4
110°	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.8	216.5



TEST NUMBER: P331304-940

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2	241.8	241.5	241.1
115°	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2	281.2	281.0	280.6
117.5°	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1	318.7	318.3	317.9
120°	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3	344.3	344.3	344.1
122.5°	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3	370.0	369.6	369.3
125°	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9	408.4	408.0	407.7
127.5°	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4	445.8	445.2	444.7
130°	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0	471.6	471.4	470.8
132.5°	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9	496.1	495.5	494.9
135°	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6	533.4	533.2	533.0
137.5°	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8	568.6	568.6	568.2
140°	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5	592.5	592.5	592.1
142.5°	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9	614.0	614.1	613.9
145°	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4	646.6	646.8	646.5
147.5°	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9	675.3	675.6	675.6
150°	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0	693.5	694.0	694.0
152.5°	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1	711.8	712.3	712.3
155°	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1	734.9	735.7	735.8
157.5°	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3	756.3	757.4	757.5
160°	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9	768.8	769.7	769.9
162.5°	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3	780.3	781.4	781.5
165°	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0	795.0	796.1	796.3
167.5°	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1	807.2	808.2	808.4
170°	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8	813.9	814.9	815.0
172.5°	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8	818.9	819.9	820.0
175°	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2	824.3	825.4	825.5
177.5°	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7	826.5	827.2	827.2
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**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°	7.3	7.0	7.1	6.9	7.1	7.0	7.3	7.3	7.3	7.8	7.9
90°	23.3	23.4	23.5	23.7	23.5	23.4	23.3	23.1	23.2	23.5	23.8
92.5°	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.4	22.4	22.3
95°	44.1	43.9	43.5	43.2	43.5	43.9	44.1	44.5	44.6	44.6	44.6
97.5°	75.0	74.9	74.9	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
100°	95.9	95.8	95.7	95.5	95.7	95.8	95.9	96.1	96.2	96.2	96.2
102.5°	119.4	119.2	119.0	118.9	119.0	119.2	119.4	119.5	119.6	119.4	119.3
105°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.6	154.3	154.0
107.5°	190.6	189.9	189.2	188.5	189.2	189.9	190.6	191.4	191.6	191.5	191.4
110°	216.1	215.6	215.2	214.6	215.2	215.6	216.1	216.5	216.8	216.8	216.8



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	240.8	240.4	240.1	239.8	240.1	240.4	240.8	241.1	241.5	241.8	242.2
115°	280.2	279.7	279.3	278.8	279.3	279.7	280.2	280.6	281.0	281.2	281.2
117.5°	317.4	316.9	316.5	316.0	316.5	316.9	317.4	317.9	318.3	318.7	319.1
120°	343.6	343.1	342.7	342.2	342.7	343.1	343.6	344.1	344.3	344.3	344.3
122.5°	368.9	368.5	368.2	367.9	368.2	368.5	368.9	369.3	369.6	370.0	370.3
125°	407.5	407.3	407.2	407.1	407.2	407.3	407.5	407.7	408.0	408.4	408.9
127.5°	444.3	443.7	443.3	442.7	443.3	443.7	444.3	444.7	445.2	445.8	446.4
130°	470.2	469.7	469.0	468.4	469.0	469.7	470.2	470.8	471.4	471.6	472.0
132.5°	494.4	493.9	493.4	492.9	493.4	493.9	494.4	494.9	495.5	496.1	496.9
135°	532.5	532.1	531.5	531.1	531.5	532.1	532.5	533.0	533.2	533.4	533.6
137.5°	567.6	566.9	566.3	565.7	566.3	566.9	567.6	568.2	568.6	568.6	568.8
140°	591.6	590.9	590.3	589.7	590.3	590.9	591.6	592.1	592.5	592.5	592.5
142.5°	613.2	612.6	612.1	611.4	612.1	612.6	613.2	613.9	614.1	614.0	613.9
145°	645.9	645.2	644.6	644.0	644.6	645.2	645.9	646.5	646.8	646.6	646.4
147.5°	674.9	674.3	673.8	673.2	673.8	674.3	674.9	675.6	675.6	675.3	674.9
150°	693.5	693.0	692.6	692.1	692.6	693.0	693.5	694.0	694.0	693.5	693.0
152.5°	711.8	711.1	710.5	710.0	710.5	711.1	711.8	712.3	712.3	711.8	711.1
155°	735.3	734.9	734.4	734.0	734.4	734.9	735.3	735.8	735.7	734.9	734.1
157.5°	756.8	756.1	755.3	754.6	755.3	756.1	756.8	757.5	757.4	756.3	755.3
160°	769.3	768.7	768.0	767.4	768.0	768.7	769.3	769.9	769.7	768.8	767.9
162.5°	780.8	780.1	779.3	778.6	779.3	780.1	780.8	781.5	781.4	780.3	779.3
165°	795.5	794.7	794.0	793.2	794.0	794.7	795.5	796.3	796.1	795.0	794.0
167.5°	807.6	806.8	806.0	805.2	806.0	806.8	807.6	808.4	808.2	807.2	806.1
170°	814.1	813.2	812.3	811.3	812.3	813.2	814.1	815.0	814.9	813.9	812.8
172.5°	819.1	818.1	817.3	816.4	817.3	818.1	819.1	820.0	819.9	818.9	817.8
175°	824.6	823.6	822.7	821.8	822.7	823.6	824.6	825.5	825.4	824.3	823.2
177.5°	826.5	825.7	825.0	824.3	825.0	825.7	826.5	827.2	827.2	826.5	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**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°	8.0	8.4	7.9	7.5	6.9	6.4	6.2	6.1	6.2	6.1	6.0
90°	24.1	24.4	21.0	17.6	14.2	10.8	8.1	6.2	4.5	2.6	0.7
92.5°	22.2	22.2	21.4	20.5	19.7	18.9	17.8	16.5	15.2	13.7	12.4
95°	44.6	44.6	44.3	44.0	43.7	43.3	42.4	40.9	39.3	37.8	36.2
97.5°	75.0	75.0	74.4	73.8	73.2	72.7	71.7	70.3	68.9	67.6	66.3
100°	96.2	96.2	95.7	95.2	94.8	94.3	93.5	92.2	91.0	89.8	88.5
102.5°	119.1	119.0	118.4	117.9	117.3	116.7	115.9	114.9	114.0	112.9	111.9
105°	153.6	153.4	153.0	152.8	152.4	152.1	151.7	151.2	150.8	150.3	149.9
107.5°	191.3	191.1	191.1	191.1	191.1	191.1	190.7	190.1	189.4	188.8	188.1
110°	216.8	216.8	216.8	216.8	216.8	216.8	216.3	215.3	214.5	213.5	212.6



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	242.6	243.0	243.1	243.3	243.3	243.4	243.1	242.1	241.2	240.3	239.3
115°	281.4	281.6	281.9	282.2	282.5	282.9	282.5	281.6	280.6	279.7	278.8
117.5°	319.4	319.8	320.7	321.6	322.4	323.2	323.1	321.8	320.6	319.3	318.1
120°	344.3	344.3	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3
122.5°	370.7	371.0	371.9	372.8	373.7	374.5	374.3	372.7	371.3	369.8	368.3
125°	409.4	409.8	410.3	410.7	411.3	411.7	411.3	409.8	408.4	407.1	405.6
127.5°	446.9	447.5	448.0	448.6	449.2	449.7	449.1	447.4	445.6	443.8	442.0
130°	472.3	472.6	472.9	473.1	473.5	473.8	473.0	470.9	469.0	466.9	464.9
132.5°	497.6	498.2	498.1	498.1	498.0	497.9	497.1	495.4	493.8	492.2	490.5
135°	533.8	533.9	533.6	533.2	533.0	532.6	531.6	529.9	528.2	526.6	524.9
137.5°	568.9	569.0	568.6	568.2	567.8	567.4	566.5	565.2	563.7	562.3	561.0
140°	592.5	592.5	591.7	590.9	590.1	589.3	588.3	586.8	585.5	584.1	582.7
142.5°	613.8	613.7	613.1	612.6	612.1	611.5	610.6	609.2	607.8	606.4	605.0
145°	646.3	646.1	645.2	644.3	643.4	642.4	641.4	640.3	639.3	638.1	637.0
147.5°	674.6	674.3	673.7	673.1	672.4	671.8	670.8	669.5	668.2	666.9	665.7
150°	692.6	692.1	691.5	690.9	690.3	689.6	688.8	688.0	687.0	686.1	685.2
152.5°	710.5	710.0	709.2	708.5	707.8	706.9	706.1	705.3	704.3	703.4	702.4
155°	733.3	732.5	732.1	731.6	731.1	730.7	730.2	729.8	729.3	728.8	728.3
157.5°	754.2	753.1	752.9	752.6	752.3	752.1	751.8	751.4	751.2	750.8	750.6
160°	767.0	766.0	765.9	765.7	765.5	765.4	765.2	764.8	764.6	764.2	763.9
162.5°	778.2	777.1	777.0	776.9	776.7	776.5	776.4	776.3	776.3	776.2	776.1
165°	792.9	791.8	791.8	791.8	791.8	791.8	791.8	792.0	792.2	792.4	792.5
167.5°	805.0	803.9	804.0	804.0	804.1	804.1	804.3	804.8	805.2	805.7	806.1
170°	811.7	810.6	810.7	810.9	811.1	811.2	811.5	812.0	812.4	813.0	813.4
172.5°	816.7	815.6	815.8	815.9	816.1	816.3	816.5	817.0	817.5	818.0	818.4
175°	822.2	821.1	821.4	821.7	822.0	822.3	822.7	823.1	823.6	824.1	824.6
177.5°	825.0	824.3	824.5	824.7	825.0	825.3	825.5	825.9	826.3	826.7	827.1
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**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°	7.1	8.6	9.0	10.2	10.2	10.8	11.5	11.9	12.3	12.0	11.7
90°	2.6	4.5	6.2	8.1	10.8	14.2	17.6	21.0	24.4	24.1	23.8
92.5°	13.7	15.2	16.5	17.8	18.9	19.7	20.5	21.4	22.2	22.2	22.3
95°	37.8	39.3	40.9	42.4	43.3	43.7	44.0	44.3	44.6	44.6	44.6
97.5°	67.6	68.9	70.3	71.7	72.7	73.2	73.8	74.4	75.0	75.0	75.0
100°	89.8	91.0	92.2	93.5	94.3	94.8	95.2	95.7	96.2	96.2	96.2
102.5°	112.9	114.0	114.9	115.9	116.7	117.3	117.9	118.4	119.0	119.1	119.3
105°	150.3	150.8	151.2	151.7	152.1	152.4	152.8	153.0	153.4	153.6	154.0
107.5°	188.8	189.4	190.1	190.7	191.1	191.1	191.1	191.1	191.1	191.3	191.4
110°	213.5	214.5	215.3	216.3	216.8	216.8	216.8	216.8	216.8	216.8	216.8





TEST NUMBER: P331304-940

CATALOG NUMBER: S122DIP-S485D725U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	240.3	241.2	242.1	243.1	243.4	243.3	243.3	243.1	243.0	242.6	242.2
115°	279.7	280.6	281.6	282.5	282.9	282.5	282.2	281.9	281.6	281.4	281.2
117.5°	319.3	320.6	321.8	323.1	323.2	322.4	321.6	320.7	319.8	319.4	319.1
120°	345.5	346.8	348.0	349.3	349.3	348.0	346.8	345.5	344.3	344.3	344.3
122.5°	369.8	371.3	372.7	374.3	374.5	373.7	372.8	371.9	371.0	370.7	370.3
125°	407.1	408.4	409.8	411.3	411.7	411.3	410.7	410.3	409.8	409.4	408.9
127.5°	443.8	445.6	447.4	449.1	449.7	449.2	448.6	448.0	447.5	446.9	446.4
130°	466.9	469.0	470.9	473.0	473.8	473.5	473.1	472.9	472.6	472.3	472.0
132.5°	492.2	493.8	495.4	497.1	497.9	498.0	498.1	498.1	498.2	497.6	496.9
135°	526.6	528.2	529.9	531.6	532.6	533.0	533.2	533.6	533.9	533.8	533.6
137.5°	562.3	563.7	565.2	566.5	567.4	567.8	568.2	568.6	569.0	568.9	568.8
140°	584.1	585.5	586.8	588.3	589.3	590.1	590.9	591.7	592.5	592.5	592.5
142.5°	606.4	607.8	609.2	610.6	611.5	612.1	612.6	613.1	613.7	613.8	613.9
145°	638.1	639.3	640.3	641.4	642.4	643.4	644.3	645.2	646.1	646.3	646.4
147.5°	666.9	668.2	669.5	670.8	671.8	672.4	673.1	673.7	674.3	674.6	674.9
150°	686.1	687.0	688.0	688.8	689.6	690.3	690.9	691.5	692.1	692.6	693.0
152.5°	703.4	704.3	705.3	706.1	706.9	707.8	708.5	709.2	710.0	710.5	711.1
155°	728.8	729.3	729.8	730.2	730.7	731.1	731.6	732.1	732.5	733.3	734.1
157.5°	750.8	751.2	751.4	751.8	752.1	752.3	752.6	752.9	753.1	754.2	755.3
160°	764.2	764.6	764.8	765.2	765.4	765.5	765.7	765.9	766.0	767.0	767.9
162.5°	776.2	776.3	776.3	776.4	776.5	776.7	776.9	777.0	777.1	778.2	779.3
165°	792.4	792.2	792.0	791.8	791.8	791.8	791.8	791.8	791.8	792.9	794.0
167.5°	805.7	805.2	804.8	804.3	804.1	804.1	804.0	804.0	803.9	805.0	806.1
170°	813.0	812.4	812.0	811.5	811.2	811.1	810.9	810.7	810.6	811.7	812.8
172.5°	818.0	817.5	817.0	816.5	816.3	816.1	815.9	815.8	815.6	816.7	817.8
175°	824.1	823.6	823.1	822.7	822.3	822.0	821.7	821.4	821.1	822.2	823.2
177.5°	826.7	826.3	825.9	825.5	825.3	825.0	824.7	824.5	824.3	825.0	825.7
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9



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**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°	11.9	11.9	11.5	11.6	11.9	11.6	11.7
90°	23.5	23.2	23.1	23.3	23.4	23.5	23.7
92.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6
95°	44.6	44.6	44.5	44.1	43.9	43.5	43.2
97.5°	75.0	75.0	75.0	75.0	74.9	74.9	74.8
100°	96.2	96.2	96.1	95.9	95.8	95.7	95.5
102.5°	119.4	119.6	119.5	119.4	119.2	119.0	118.9
105°	154.3	154.6	154.7	154.7	154.7	154.7	154.7
107.5°	191.5	191.6	191.4	190.6	189.9	189.2	188.5
110°	216.8	216.8	216.5	216.1	215.6	215.2	214.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	241.8	241.5	241.1	240.8	240.4	240.1	239.8
115°	281.2	281.0	280.6	280.2	279.7	279.3	278.8
117.5°	318.7	318.3	317.9	317.4	316.9	316.5	316.0
120°	344.3	344.3	344.1	343.6	343.1	342.7	342.2
122.5°	370.0	369.6	369.3	368.9	368.5	368.2	367.9
125°	408.4	408.0	407.7	407.5	407.3	407.2	407.1
127.5°	445.8	445.2	444.7	444.3	443.7	443.3	442.7
130°	471.6	471.4	470.8	470.2	469.7	469.0	468.4
132.5°	496.1	495.5	494.9	494.4	493.9	493.4	492.9
135°	533.4	533.2	533.0	532.5	532.1	531.5	531.1
137.5°	568.6	568.6	568.2	567.6	566.9	566.3	565.7
140°	592.5	592.5	592.1	591.6	590.9	590.3	589.7
142.5°	614.0	614.1	613.9	613.2	612.6	612.1	611.4
145°	646.6	646.8	646.5	645.9	645.2	644.6	644.0
147.5°	675.3	675.6	675.6	674.9	674.3	673.8	673.2
150°	693.5	694.0	694.0	693.5	693.0	692.6	692.1
152.5°	711.8	712.3	712.3	711.8	711.1	710.5	710.0
155°	734.9	735.7	735.8	735.3	734.9	734.4	734.0
157.5°	756.3	757.4	757.5	756.8	756.1	755.3	754.6
160°	768.8	769.7	769.9	769.3	768.7	768.0	767.4
162.5°	780.3	781.4	781.5	780.8	780.1	779.3	778.6
165°	795.0	796.1	796.3	795.5	794.7	794.0	793.2
167.5°	807.2	808.2	808.4	807.6	806.8	806.0	805.2
170°	813.9	814.9	815.0	814.1	813.2	812.3	811.3
172.5°	818.9	819.9	820.0	819.1	818.1	817.3	816.4
175°	824.3	825.4	825.5	824.6	823.6	822.7	821.8
177.5°	826.5	827.2	827.2	826.5	825.7	825.0	824.3
180°	825.9	825.9	825.9	825.9	825.9	825.9	825.9

(END OF REPORT)