

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: P331313-930

Luminaire Tested: **S122DIP-S485D925U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331313-930
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-S485D925U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4447.7 lumens
Efficiency: N/A
Efficacy: 99.9 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

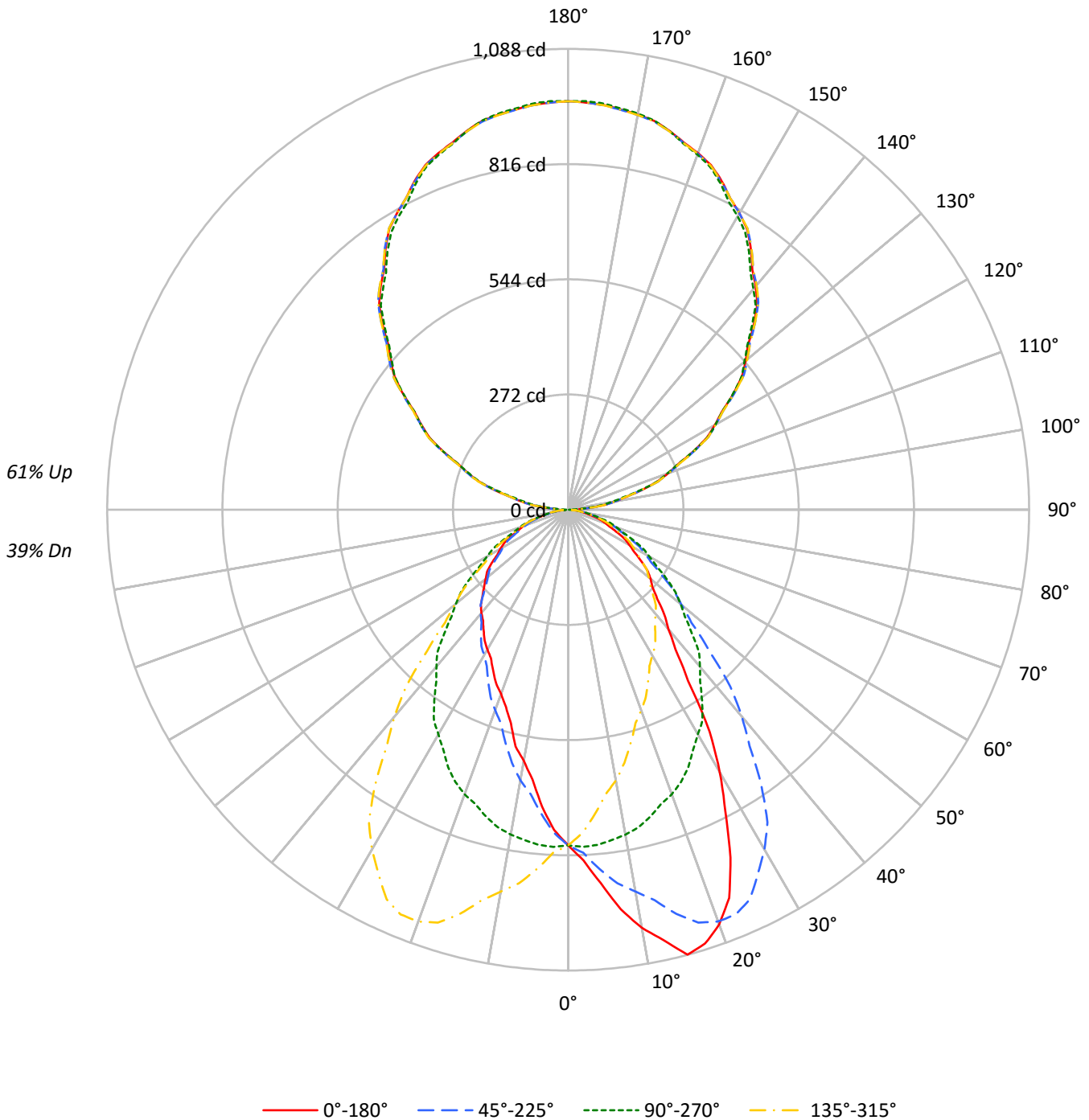
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39				
1	96	92	88	85	87	84	80	78	68	66	64	54	53	52	42	41	40	34				
2	87	80	75	70	79	73	68	64	60	57	54	48	46	44	37	35	34	29				
3	80	71	64	58	73	65	59	54	53	49	46	43	40	37	33	31	29	25				
4	73	63	55	50	67	58	51	46	48	43	39	38	35	32	30	28	26	22				
5	67	56	49	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19				
6	62	51	43	37	56	46	40	35	39	34	30	31	28	25	25	22	20	17				
7	58	46	38	33	52	42	35	31	35	30	26	29	25	22	23	20	18	15				
8	53	42	34	29	49	38	32	27	32	27	23	26	23	20	21	18	16	14				
9	50	38	31	26	45	35	29	24	29	24	21	24	21	18	19	17	15	13				
10	46	35	28	23	42	32	26	22	27	22	19	22	19	16	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12791	12791	12791	12791
5°	14340	12875	11408	12875
10°	16433	12770	9875	12770
15°	18180	12535	8724	12535
20°	17904	12283	7952	12283
25°	16142	11948	7464	11948
30°	13340	11415	7107	11415
35°	9723	10857	6853	10857
40°	7765	10197	6713	10197
45°	6786	9435	6521	9435
50°	6380	8696	6393	8696
55°	5880	7947	6221	7947
60°	5389	7149	5958	7149
65°	4909	6434	5700	6434
70°	4456	5736	5320	5736
75°	3949	4959	4710	4959
80°	3394	4110	3794	4110
85°	3057	3057	2242	3057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	1.7
10°-20°	219.3	4.9
20°-30°	318.3	7.2
30°-40°	335.9	7.6
40°-50°	297.4	6.7
50°-60°	237.4	5.3
60°-70°	161.3	3.6
70°-80°	82.7	1.9
80°-90°	23.8	0.5
90°-100°	61.1	1.4
100°-110°	189.8	4.3
110°-120°	324.3	7.3
120°-130°	426.5	9.6
130°-140°	478.7	10.8
140°-150°	469.4	10.6
150°-160°	393.7	8.9
160°-170°	261.1	5.9
170°-180°	91.3	2.1
0°-30°	613.1	13.8
0°-40°	949.1	21.3
0°-60°	1483.9	33.4
0°-90°	1751.7	39.4
90°-120°	575.2	12.9
90°-150°	1949.8	43.8
90°-180°	2696.0	60.6
0°-180°	4447.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	792	792	792	792	792	
5°	885	794	704	794	885	88
15°	1088	750	522	750	1088	300
25°	906	671	419	671	906	410
35°	493	551	348	551	493	321
45°	297	413	286	413	297	234
55°	209	282	221	282	209	187
65°	128	168	149	168	128	128
75°	63	80	76	80	63	68
85°	16	16	12	16	16	19
90°	28	1	28	1	28	13
95°	50	42	50	42	50	56
105°	181	175	181	175	181	190
115°	326	326	326	326	326	321
125°	475	474	475	474	475	424
135°	620	613	620	613	620	477
145°	752	744	752	744	752	469
155°	857	850	857	850	857	394
165°	926	925	926	925	926	261
175°	959	962	959	962	959	91
180°	964	964	964	964	964	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	828.8	829.1	829.5	825.7	825.2	825.2	821.7	818.8	815.4	810.7	811.2
5°	884.8	888.2	889.4	885.7	880.3	879.6	874.5	865.9	858.0	851.7	847.1
7.5°	951.7	953.0	950.1	945.3	941.2	933.8	924.2	914.8	901.6	889.4	880.4
10°	1002.3	1004.2	999.0	992.0	986.2	977.7	963.7	949.3	932.1	915.3	901.9
12.5°	1040.8	1045.4	1038.7	1037.8	1027.8	1016.2	999.5	992.2	967.8	944.5	930.1
15°	1087.6	1087.3	1087.9	1082.1	1074.8	1073.0	1055.3	1036.2	1001.8	988.1	964.3
17.5°	1074.1	1078.7	1080.8	1080.8	1080.6	1079.5	1073.7	1061.7	1044.4	1022.2	994.8
20°	1042.0	1048.0	1049.0	1056.0	1059.9	1065.1	1067.2	1063.9	1053.2	1034.6	1010.9
22.5°	992.2	993.9	996.8	1007.7	1016.3	1029.2	1036.0	1047.3	1043.2	1034.1	1014.3
25°	906.1	903.1	913.7	919.2	939.0	959.7	974.6	991.1	1005.7	1014.6	1008.8
27.5°	802.7	798.2	814.2	828.7	844.7	867.2	890.4	917.9	940.7	969.3	979.1
30°	715.5	718.3	733.5	749.0	773.4	805.0	831.2	861.4	894.0	925.9	948.1
32.5°	621.5	632.0	641.6	665.4	686.9	722.2	760.6	798.3	838.9	875.2	909.6
35°	493.3	505.4	518.9	536.2	566.3	601.4	638.8	689.7	745.1	794.7	835.5
37.5°	415.2	413.3	420.9	433.5	457.9	486.2	529.2	579.5	644.7	703.0	760.6
40°	368.4	367.2	372.7	384.3	402.8	423.5	461.3	505.4	566.1	637.2	705.8
42.5°	336.2	337.0	340.1	348.2	360.9	378.0	406.3	443.8	499.3	566.4	640.0
45°	297.2	299.3	302.6	306.6	313.9	327.9	343.7	370.6	414.4	470.4	542.9
47.5°	269.0	269.1	272.5	276.0	280.3	288.2	301.2	318.0	348.9	394.5	456.8
50°	254.0	251.8	254.2	257.0	261.5	267.0	275.6	291.4	312.1	348.9	401.0
52.5°	235.5	235.5	237.7	238.7	242.8	248.3	256.1	267.0	285.8	314.6	357.4
55°	208.9	210.4	211.7	213.4	217.1	221.0	227.1	234.5	249.1	270.7	302.3
57.5°	183.9	184.4	185.6	189.1	191.4	195.0	200.8	207.5	217.0	233.0	256.8
60°	166.9	166.9	169.3	170.8	173.8	177.5	182.1	188.5	197.0	210.1	229.3
62.5°	151.2	151.0	152.0	154.5	156.8	160.2	164.8	170.2	178.2	189.9	205.6
65°	128.5	127.9	129.7	130.3	132.7	136.1	139.7	145.5	152.0	160.5	174.5
67.5°	106.6	107.3	108.3	109.4	110.8	114.3	116.8	120.8	126.2	133.3	142.8
70°	94.4	94.4	94.4	95.3	97.1	99.0	101.4	104.8	109.9	116.0	124.5
72.5°	80.7	81.7	82.7	82.2	84.5	85.5	88.5	90.3	95.3	99.2	106.7
75°	63.3	63.3	63.3	64.8	65.8	66.7	68.5	70.4	72.8	77.6	81.6
77.5°	47.3	47.1	47.5	47.8	48.8	49.9	50.4	52.1	54.3	56.6	59.9
80°	36.5	37.2	37.4	38.1	38.1	38.6	39.0	41.1	42.6	44.2	46.3
82.5°	28.3	28.4	28.5	28.5	28.8	29.2	29.9	30.7	31.1	32.4	34.1
85°	16.5	16.1	16.1	16.7	16.5	16.5	17.0	17.7	17.7	17.9	18.9
87.5°	11.9	11.8	12.1	11.7	11.7	12.0	12.1	11.9	12.2	12.6	12.0
90°	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7	28.1	28.5	24.5
92.5°	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0	25.9	25.8	24.9
95°	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	51.7
97.5°	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	86.8
100°	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3	112.3	112.3	111.8
102.5°	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3	139.1	139.0	138.3
105°	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7	179.4	179.0	178.6
107.5°	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4	223.2	223.1	223.1
110°	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1	253.1	253.1	253.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7	283.2	283.6	283.8
115°	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3	328.6	328.7	329.1
117.5°	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4	372.8	373.3	374.3
120°	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9	401.9	401.9	403.4
122.5°	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3	432.8	433.2	434.2
125°	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4	477.8	478.4	479.0
127.5°	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1	521.7	522.4	523.0
130°	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9	551.3	551.6	552.0
132.5°	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0	580.8	581.6	581.5
135°	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9	623.1	623.2	622.9
137.5°	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0	664.1	664.2	663.8
140°	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6	691.6	691.6	690.7
142.5°	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6	716.5	716.3	715.7
145°	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6	754.4	754.2	753.2
147.5°	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9	787.5	787.1	786.4
150°	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0	808.5	808.0	807.2
152.5°	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1	829.5	828.8	827.9
155°	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0	856.1	855.1	854.6
157.5°	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7	880.4	879.2	878.9
160°	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3	895.3	894.1	894.0
162.5°	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6	908.4	907.2	907.0
165°	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8	925.5	924.3	924.3
167.5°	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9	939.7	938.4	938.5
170°	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8	947.5	946.2	946.4
172.5°	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6	953.4	952.1	952.3
175°	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0	959.7	958.5	958.8
177.5°	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9	963.0	962.2	962.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	812.9	811.0	809.8	805.4	801.5	797.6	796.4	796.9	791.5	786.4	784.2
5°	844.7	838.5	832.7	824.5	814.8	804.1	798.7	794.4	783.7	772.2	765.5
7.5°	873.0	864.3	853.1	837.7	823.5	806.7	796.1	786.7	771.0	754.7	744.8
10°	890.3	878.4	864.1	845.2	827.9	807.5	793.2	778.9	760.6	741.1	729.0
12.5°	905.1	889.2	875.1	850.8	830.3	804.8	787.8	767.7	748.4	725.3	713.3
15°	940.5	911.0	884.2	856.8	831.5	795.9	777.1	749.9	724.6	696.0	682.3
17.5°	967.8	934.7	892.5	857.7	828.2	788.7	761.0	728.6	698.6	665.9	647.3
20°	983.5	945.4	900.0	858.7	823.3	778.3	748.1	714.9	679.9	643.0	623.0
22.5°	992.7	952.8	907.8	855.0	813.6	769.7	731.8	695.5	659.9	620.2	599.1
25°	995.6	959.1	911.6	851.9	801.4	751.8	706.0	670.7	627.9	590.7	559.9
27.5°	981.1	955.0	909.3	846.2	787.3	729.3	678.4	638.4	593.0	552.8	521.8
30°	963.4	948.1	903.7	840.3	776.1	713.7	657.7	612.3	567.3	526.4	494.8
32.5°	935.9	932.5	893.5	832.1	764.2	694.0	636.0	590.1	540.2	500.1	469.9
35°	881.7	896.4	871.7	813.6	741.7	665.9	603.2	550.8	499.0	460.6	432.4
37.5°	809.3	845.6	839.2	786.4	711.3	635.4	566.1	511.4	462.0	423.3	395.5
40°	759.4	805.7	812.4	765.7	690.0	611.7	538.3	483.8	435.7	400.4	372.3
42.5°	705.8	759.9	778.3	740.9	666.6	586.9	513.5	457.1	409.4	375.0	350.3
45°	616.0	687.5	720.7	699.4	627.5	545.9	470.4	413.2	370.0	337.7	318.5
47.5°	532.0	610.2	654.8	647.3	584.1	503.3	428.7	373.7	331.7	305.9	288.7
50°	472.5	552.9	606.8	609.3	552.9	472.9	397.9	346.2	307.5	283.5	269.5
52.5°	420.9	497.7	556.4	569.3	518.1	441.2	370.4	318.9	284.9	262.8	250.2
55°	353.5	418.3	483.6	507.3	466.2	393.1	327.6	282.3	250.3	235.1	224.1
57.5°	293.9	348.0	408.1	434.4	409.0	346.5	285.1	245.7	219.8	206.4	198.0
60°	262.4	305.1	358.7	390.0	368.1	312.4	258.8	221.4	200.1	188.2	180.3
62.5°	233.3	271.0	316.3	345.0	333.0	280.5	232.5	199.4	181.1	169.9	164.2
65°	192.4	222.3	257.3	283.8	275.9	235.9	196.7	168.4	153.8	145.0	140.4
67.5°	158.4	180.0	204.3	227.5	221.1	192.8	161.3	139.3	128.3	120.7	118.1
70°	137.1	153.4	175.0	193.6	188.5	165.3	140.4	121.5	112.0	105.7	102.9
72.5°	116.6	130.0	146.6	161.8	158.2	139.0	118.2	104.0	96.7	90.8	88.5
75°	88.0	98.3	108.4	118.5	117.6	102.6	90.4	79.5	73.7	69.1	68.2
77.5°	65.0	70.8	77.6	83.6	81.9	73.4	63.8	57.6	53.3	50.2	49.7
80°	49.7	53.0	57.9	62.1	60.0	56.3	48.8	44.2	41.1	38.1	36.9
82.5°	36.0	39.4	42.2	44.6	43.0	39.5	34.8	31.7	29.9	27.8	27.3
85°	18.9	20.7	21.9	22.5	21.9	19.8	17.7	16.5	14.9	14.0	13.7
87.5°	11.4	10.6	9.8	9.7	8.6	8.1	6.7	5.5	5.7	5.9	5.9
90°	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8	3.0	5.1	7.3
92.5°	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5	16.1	17.7	19.2
95°	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3	44.1	45.9	47.7
97.5°	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3	78.9	80.5	82.1
100°	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3	104.8	106.2	107.7
102.5°	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7	131.8	133.0	134.1
105°	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0	175.5	176.0	176.6
107.5°	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5	220.3	221.1	221.9
110°	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2	249.2	250.3	251.4



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4	280.5	281.6	282.7
115°	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5	326.5	327.6	328.7
117.5°	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4	372.8	374.2	375.7
120°	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	403.4	404.8	406.3
122.5°	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9	431.6	433.4	435.1
125°	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5	475.2	476.8	478.4
127.5°	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0	518.0	520.2	522.2
130°	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7	545.0	547.4	549.8
132.5°	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7	574.5	576.5	578.4
135°	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7	614.7	616.6	618.6
137.5°	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8	656.4	658.0	659.7
140°	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2	681.8	683.5	685.1
142.5°	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2	707.8	709.5	711.1
145°	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6	744.9	746.2	747.5
147.5°	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0	778.5	780.1	781.5
150°	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8	800.9	801.9	803.1
152.5°	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9	821.1	822.1	823.2
155°	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3	850.8	851.3	851.9
157.5°	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1	876.4	876.9	877.2
160°	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8	892.1	892.4	892.8
162.5°	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0	906.1	906.2	906.3
165°	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1	925.0	924.7	924.5
167.5°	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0	940.5	940.0	939.4
170°	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5	948.9	948.4	947.9
172.5°	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4	954.8	954.3	953.7
175°	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5	962.0	961.4	960.9
177.5°	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5	965.0	964.6	964.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	781.8	780.3	775.2	772.5	768.2	764.0	761.3	762.5	763.5	763.0	762.3
5°	759.4	753.6	744.8	737.1	731.6	721.6	717.4	715.3	713.4	711.3	709.1
7.5°	732.7	723.6	710.9	700.1	689.8	677.4	670.3	665.9	661.5	656.7	652.5
10°	713.7	700.9	687.5	672.3	660.1	648.8	638.8	632.1	626.0	620.2	616.0
12.5°	693.7	679.0	662.4	641.6	628.2	612.0	610.6	598.8	589.2	585.6	580.7
15°	661.9	641.2	620.2	595.6	584.9	570.3	561.2	552.0	543.8	538.0	536.5
17.5°	625.8	599.0	578.1	560.4	543.0	528.0	519.6	512.3	505.5	497.7	496.8
20°	598.3	575.2	552.4	536.8	518.9	503.6	493.3	485.9	480.1	475.6	471.7
22.5°	572.3	546.9	526.0	509.0	491.3	479.0	470.8	463.8	459.0	454.0	450.2
25°	530.4	510.6	487.8	468.6	454.0	446.1	439.4	433.3	430.2	426.9	422.7
27.5°	493.8	471.8	450.5	435.6	422.7	415.7	411.0	406.8	404.0	402.0	399.6
30°	468.0	445.7	429.0	414.4	403.7	396.7	393.7	391.3	387.9	386.7	385.5
32.5°	443.1	423.1	408.8	396.2	386.0	381.4	378.6	376.4	373.8	372.6	370.1
35°	408.0	391.3	377.2	370.2	362.0	358.1	356.0	352.9	350.5	349.3	348.9
37.5°	375.0	360.4	351.1	342.2	338.7	336.2	333.4	331.3	330.5	330.4	330.0
40°	353.5	341.6	333.4	326.1	324.6	320.9	318.5	316.7	316.7	317.0	316.7
42.5°	334.0	323.3	316.1	309.8	308.0	305.8	303.4	303.3	303.8	304.8	303.8
45°	304.5	296.9	291.7	288.6	285.3	283.2	282.8	283.8	284.1	284.4	285.3
47.5°	277.3	272.2	267.6	264.2	262.8	262.4	262.0	263.6	265.1	265.6	267.0
50°	261.2	255.4	251.5	249.4	248.2	247.5	248.2	250.0	251.2	252.7	253.6
52.5°	243.2	239.1	236.4	234.7	234.2	234.6	234.7	236.8	238.8	239.3	239.8
55°	218.3	215.2	214.7	211.9	213.1	212.8	214.3	215.6	217.4	219.2	219.6
57.5°	193.5	191.0	189.4	189.6	190.0	191.4	192.6	194.8	196.7	198.6	198.9
60°	176.9	175.7	174.8	174.8	175.4	177.2	178.7	180.8	182.1	183.3	184.2
62.5°	161.8	160.6	159.6	160.1	161.8	162.8	164.6	165.8	167.0	168.2	168.6
65°	137.9	137.3	138.3	138.8	139.2	140.6	142.8	143.7	145.0	145.5	147.7
67.5°	115.9	116.1	115.9	116.8	118.5	119.0	120.9	123.1	123.4	124.5	125.9
70°	101.1	101.7	102.3	102.9	104.4	105.0	106.6	107.5	108.7	109.6	110.6
72.5°	87.5	87.6	88.2	88.1	89.4	90.7	92.0	92.9	94.1	95.2	96.1
75°	67.3	67.3	67.9	68.2	69.7	71.3	70.9	71.6	72.8	74.0	74.6
77.5°	49.2	48.5	49.2	49.4	49.9	51.2	51.4	52.3	53.7	53.3	54.0
80°	37.4	36.5	37.4	37.7	37.7	39.3	39.3	39.9	40.8	39.9	40.8
82.5°	26.7	26.3	27.0	27.1	27.6	27.6	28.0	28.2	29.1	28.7	29.1
85°	13.4	13.1	13.4	13.1	13.4	13.7	13.7	13.4	13.4	14.0	13.1
87.5°	6.0	6.4	6.9	7.7	8.3	8.9	8.6	8.5	8.4	7.8	7.8
90°	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7	27.4	27.1	26.9
92.5°	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0	26.1	26.2	26.3
95°	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1	52.1	52.1	51.9
97.5°	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6	87.6	87.6	87.6
100°	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3	112.3	112.3	112.2
102.5°	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3	139.4	139.6	139.5
105°	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7	180.1	180.4	180.6
107.5°	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4	223.6	223.6	223.3
110°	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	253.1	252.7



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7	282.3	281.9	281.4
115°	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3	328.2	328.0	327.6
117.5°	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4	372.0	371.5	371.0
120°	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9	401.9	401.9	401.7
122.5°	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3	431.9	431.5	431.0
125°	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4	476.8	476.2	475.9
127.5°	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1	520.4	519.8	519.1
130°	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9	550.6	550.2	549.7
132.5°	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0	579.2	578.4	577.7
135°	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9	622.7	622.5	622.2
137.5°	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0	663.8	663.7	663.2
140°	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6	691.6	691.6	691.2
142.5°	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6	716.7	716.9	716.6
145°	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6	754.8	755.0	754.7
147.5°	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9	788.3	788.7	788.6
150°	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0	809.6	810.1	810.1
152.5°	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1	830.8	831.5	831.5
155°	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0	857.9	858.8	858.9
157.5°	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7	882.9	884.1	884.3
160°	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3	897.4	898.5	898.7
162.5°	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6	910.9	912.1	912.3
165°	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8	928.1	929.4	929.5
167.5°	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9	942.2	943.5	943.6
170°	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8	950.1	951.3	951.4
172.5°	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6	955.9	957.2	957.2
175°	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0	962.2	963.5	963.6
177.5°	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9	964.8	965.6	965.6
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	759.9	759.4	759.4	757.2	759.4	759.4	759.9	762.3	763.0	763.5	762.5
5°	704.9	703.9	702.5	703.9	702.5	703.9	704.9	709.1	711.3	713.4	715.3
7.5°	650.5	646.9	646.3	642.7	646.3	646.9	650.5	652.5	656.7	661.5	665.9
10°	610.8	608.4	608.1	602.3	608.1	608.4	610.8	616.0	620.2	626.0	632.1
12.5°	580.6	574.7	575.9	572.6	575.9	574.7	580.6	580.7	585.6	589.2	598.8
15°	528.2	528.2	527.1	521.9	527.1	528.2	528.2	536.5	538.0	543.8	552.0
17.5°	490.7	490.1	487.1	488.6	487.1	490.1	490.7	496.8	497.7	505.5	512.3
20°	468.3	466.4	462.8	462.8	462.8	466.4	468.3	471.7	475.6	480.1	485.9
22.5°	447.1	446.9	443.1	444.3	443.1	446.9	447.1	450.2	454.0	459.0	463.8
25°	422.3	419.9	418.1	419.0	418.1	419.9	422.3	422.7	426.9	430.2	433.3
27.5°	398.8	397.5	397.4	394.8	397.4	397.5	398.8	399.6	402.0	404.0	406.8
30°	385.1	382.1	382.7	381.2	382.7	382.1	385.1	385.5	386.7	387.9	391.3
32.5°	369.6	368.5	367.9	366.6	367.9	368.5	369.6	370.1	372.6	373.8	376.4
35°	348.3	348.6	347.1	347.7	347.1	348.6	348.3	348.9	349.3	350.5	352.9
37.5°	329.8	330.8	330.0	330.2	330.0	330.8	329.8	330.0	330.4	330.5	331.3
40°	317.6	317.6	317.6	318.5	317.6	317.6	317.6	316.7	317.0	316.7	316.7
42.5°	305.9	305.4	304.9	304.8	304.9	305.4	305.9	303.8	304.8	303.8	303.3
45°	285.9	286.8	287.1	285.6	287.1	286.8	285.9	285.3	284.4	284.1	283.8
47.5°	267.8	267.9	267.8	269.1	267.8	267.9	267.8	267.0	265.6	265.1	263.6
50°	255.2	254.5	255.2	254.5	255.2	254.5	255.2	253.6	252.7	251.2	250.0
52.5°	241.7	241.9	241.5	241.4	241.5	241.9	241.7	239.8	239.3	238.8	236.8
55°	220.8	221.4	221.0	221.0	221.0	221.4	220.8	219.6	219.2	217.4	215.6
57.5°	199.0	199.6	200.0	198.6	200.0	199.6	199.0	198.9	198.6	196.7	194.8
60°	183.9	185.4	185.2	184.5	185.2	185.4	183.9	184.2	183.3	182.1	180.8
62.5°	170.0	170.6	170.5	170.4	170.5	170.6	170.0	168.6	168.2	167.0	165.8
65°	148.5	149.2	148.3	149.2	148.3	149.2	148.5	147.7	145.5	145.0	143.7
67.5°	125.5	125.7	126.4	126.8	126.4	125.7	125.5	125.9	124.5	123.4	123.1
70°	111.1	110.8	111.8	112.7	111.8	110.8	111.1	110.6	109.6	108.7	107.5
72.5°	96.0	96.7	96.4	97.1	96.4	96.7	96.0	96.1	95.2	94.1	92.9
75°	74.0	74.9	74.6	75.5	74.6	74.9	74.0	74.6	74.0	72.8	71.6
77.5°	53.5	53.6	53.5	54.0	53.5	53.6	53.5	54.0	53.3	53.7	52.3
80°	40.8	40.2	39.5	40.8	39.5	40.2	40.8	40.8	39.9	40.8	39.9
82.5°	28.4	28.8	28.1	28.1	28.1	28.8	28.4	29.1	28.7	29.1	28.2
85°	13.1	12.8	12.1	12.1	12.1	12.8	13.1	13.1	14.0	13.4	13.4
87.5°	7.8	7.7	7.7	7.5	7.7	7.7	7.8	7.8	7.8	8.4	8.5
90°	27.1	27.3	27.5	27.6	27.5	27.3	27.1	26.9	27.1	27.4	27.7
92.5°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.2	26.1	26.0
95°	51.5	51.2	50.8	50.5	50.8	51.2	51.5	51.9	52.1	52.1	52.1
97.5°	87.5	87.5	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.6	87.6
100°	112.0	111.9	111.6	111.5	111.6	111.9	112.0	112.2	112.3	112.3	112.3
102.5°	139.3	139.2	139.0	138.8	139.0	139.2	139.3	139.5	139.6	139.4	139.3
105°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.4	180.1	179.7
107.5°	222.5	221.7	220.9	220.0	220.9	221.7	222.5	223.3	223.6	223.6	223.4
110°	252.3	251.7	251.1	250.6	251.1	251.7	252.3	252.7	253.1	253.1	253.1



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	281.1	280.7	280.3	279.9	280.3	280.7	281.1	281.4	281.9	282.3	282.7
115°	327.1	326.5	326.0	325.5	326.0	326.5	327.1	327.6	328.0	328.2	328.3
117.5°	370.6	370.0	369.4	368.9	369.4	370.0	370.6	371.0	371.5	372.0	372.4
120°	401.1	400.6	400.1	399.5	400.1	400.6	401.1	401.7	401.9	401.9	401.9
122.5°	430.6	430.2	429.8	429.4	429.8	430.2	430.6	431.0	431.5	431.9	432.3
125°	475.7	475.5	475.3	475.2	475.3	475.5	475.7	475.9	476.2	476.8	477.4
127.5°	518.5	518.0	517.4	516.8	517.4	518.0	518.5	519.1	519.8	520.4	521.1
130°	548.9	548.2	547.5	546.7	547.5	548.2	548.9	549.7	550.2	550.6	550.9
132.5°	577.2	576.6	576.0	575.4	576.0	576.6	577.2	577.7	578.4	579.2	580.0
135°	621.6	621.1	620.5	620.0	620.5	621.1	621.6	622.2	622.5	622.7	622.9
137.5°	662.5	661.8	661.0	660.3	661.0	661.8	662.5	663.2	663.7	663.8	664.0
140°	690.5	689.7	689.1	688.4	689.1	689.7	690.5	691.2	691.6	691.6	691.6
142.5°	715.9	715.2	714.4	713.7	714.4	715.2	715.9	716.6	716.9	716.7	716.6
145°	754.0	753.3	752.5	751.8	752.5	753.3	754.0	754.7	755.0	754.8	754.6
147.5°	787.9	787.2	786.5	785.8	786.5	787.2	787.9	788.6	788.7	788.3	787.9
150°	809.6	809.0	808.5	808.0	808.5	809.0	809.6	810.1	810.1	809.6	809.0
152.5°	830.8	830.1	829.5	828.8	829.5	830.1	830.8	831.5	831.5	830.8	830.1
155°	858.3	857.9	857.3	856.7	857.3	857.9	858.3	858.9	858.8	857.9	857.0
157.5°	883.5	882.6	881.7	880.8	881.7	882.6	883.5	884.3	884.1	882.9	881.7
160°	898.0	897.2	896.5	895.8	896.5	897.2	898.0	898.7	898.5	897.4	896.3
162.5°	911.4	910.5	909.7	908.8	909.7	910.5	911.4	912.3	912.1	910.9	909.6
165°	928.6	927.7	926.8	925.9	926.8	927.7	928.6	929.5	929.4	928.1	926.8
167.5°	942.7	941.8	940.9	939.9	940.9	941.8	942.7	943.6	943.5	942.2	940.9
170°	950.3	949.3	948.1	947.1	948.1	949.3	950.3	951.4	951.3	950.1	948.8
172.5°	956.2	955.1	954.0	952.9	954.0	955.1	956.2	957.2	957.2	955.9	954.6
175°	962.5	961.4	960.3	959.3	960.3	961.4	962.5	963.6	963.5	962.2	961.0
177.5°	964.8	963.9	963.0	962.2	963.0	963.9	964.8	965.6	965.6	964.8	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	761.3	764.0	768.2	772.5	775.2	780.3	781.8	784.2	786.4	791.5	796.9
5°	717.4	721.6	731.6	737.1	744.8	753.6	759.4	765.5	772.2	783.7	794.4
7.5°	670.3	677.4	689.8	700.1	710.9	723.6	732.7	744.8	754.7	771.0	786.7
10°	638.8	648.8	660.1	672.3	687.5	700.9	713.7	729.0	741.1	760.6	778.9
12.5°	610.6	612.0	628.2	641.6	662.4	679.0	693.7	713.3	725.3	748.4	767.7
15°	561.2	570.3	584.9	595.6	620.2	641.2	661.9	682.3	696.0	724.6	749.9
17.5°	519.6	528.0	543.0	560.4	578.1	599.0	625.8	647.3	665.9	698.6	728.6
20°	493.3	503.6	518.9	536.8	552.4	575.2	598.3	623.0	643.0	679.9	714.9
22.5°	470.8	479.0	491.3	509.0	526.0	546.9	572.3	599.1	620.2	659.9	695.5
25°	439.4	446.1	454.0	468.6	487.8	510.6	530.4	559.9	590.7	627.9	670.7
27.5°	411.0	415.7	422.7	435.6	450.5	471.8	493.8	521.8	552.8	593.0	638.4
30°	393.7	396.7	403.7	414.4	429.0	445.7	468.0	494.8	526.4	567.3	612.3
32.5°	378.6	381.4	386.0	396.2	408.8	423.1	443.1	469.9	500.1	540.2	590.1
35°	356.0	358.1	362.0	370.2	377.2	391.3	408.0	432.4	460.6	499.0	550.8
37.5°	333.4	336.2	338.7	342.2	351.1	360.4	375.0	395.5	423.3	462.0	511.4
40°	318.5	320.9	324.6	326.1	333.4	341.6	353.5	372.3	400.4	435.7	483.8
42.5°	303.4	305.8	308.0	309.8	316.1	323.3	334.0	350.3	375.0	409.4	457.1
45°	282.8	283.2	285.3	288.6	291.7	296.9	304.5	318.5	337.7	370.0	413.2
47.5°	262.0	262.4	262.8	264.2	267.6	272.2	277.3	288.7	305.9	331.7	373.7
50°	248.2	247.5	248.2	249.4	251.5	255.4	261.2	269.5	283.5	307.5	346.2
52.5°	234.7	234.6	234.2	234.7	236.4	239.1	243.2	250.2	262.8	284.9	318.9
55°	214.3	212.8	213.1	211.9	214.7	215.2	218.3	224.1	235.1	250.3	282.3
57.5°	192.6	191.4	190.0	189.6	189.4	191.0	193.5	198.0	206.4	219.8	245.7
60°	178.7	177.2	175.4	174.8	174.8	175.7	176.9	180.3	188.2	200.1	221.4
62.5°	164.6	162.8	161.8	160.1	159.6	160.6	161.8	164.2	169.9	181.1	199.4
65°	142.8	140.6	139.2	138.8	138.3	137.3	137.9	140.4	145.0	153.8	168.4
67.5°	120.9	119.0	118.5	116.8	115.9	116.1	115.9	118.1	120.7	128.3	139.3
70°	106.6	105.0	104.4	102.9	102.3	101.7	101.1	102.9	105.7	112.0	121.5
72.5°	92.0	90.7	89.4	88.1	88.2	87.6	87.5	88.5	90.8	96.7	104.0
75°	70.9	71.3	69.7	68.2	67.9	67.3	67.3	68.2	69.1	73.7	79.5
77.5°	51.4	51.2	49.9	49.4	49.2	48.5	49.2	49.7	50.2	53.3	57.6
80°	39.3	39.3	37.7	37.7	37.4	36.5	37.4	36.9	38.1	41.1	44.2
82.5°	28.0	27.6	27.6	27.1	27.0	26.3	26.7	27.3	27.8	29.9	31.7
85°	13.7	13.7	13.4	13.1	13.4	13.1	13.4	13.7	14.0	14.9	16.5
87.5°	8.6	8.9	8.3	7.7	6.9	6.4	6.0	5.9	5.9	5.7	5.5
90°	28.1	28.5	24.5	20.5	16.6	12.6	9.5	7.3	5.1	3.0	0.8
92.5°	25.9	25.8	24.9	24.0	23.1	22.1	20.9	19.2	17.7	16.1	14.5
95°	52.1	52.1	51.7	51.4	51.0	50.6	49.6	47.7	45.9	44.1	42.3
97.5°	87.6	87.6	86.8	86.2	85.5	84.8	83.6	82.1	80.5	78.9	77.3
100°	112.3	112.3	111.8	111.2	110.6	110.1	109.1	107.7	106.2	104.8	103.3
102.5°	139.1	139.0	138.3	137.6	136.9	136.2	135.3	134.1	133.0	131.8	130.7
105°	179.4	179.0	178.6	178.3	177.9	177.6	177.1	176.6	176.0	175.5	175.0
107.5°	223.2	223.1	223.1	223.1	223.1	223.1	222.7	221.9	221.1	220.3	219.5
110°	253.1	253.1	253.1	253.1	253.1	253.1	252.5	251.4	250.3	249.2	248.2



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.2	283.6	283.8	283.9	284.1	284.2	283.7	282.7	281.6	280.5	279.4
115°	328.6	328.7	329.1	329.5	329.8	330.1	329.8	328.7	327.6	326.5	325.5
117.5°	372.8	373.3	374.3	375.3	376.3	377.3	377.2	375.7	374.2	372.8	371.4
120°	401.9	401.9	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9
122.5°	432.8	433.2	434.2	435.2	436.2	437.2	436.8	435.1	433.4	431.6	429.9
125°	477.8	478.4	479.0	479.5	480.0	480.6	480.0	478.4	476.8	475.2	473.5
127.5°	521.7	522.4	523.0	523.7	524.3	525.0	524.2	522.2	520.2	518.0	516.0
130°	551.3	551.6	552.0	552.4	552.7	553.1	552.1	549.8	547.4	545.0	542.7
132.5°	580.8	581.6	581.5	581.5	581.4	581.3	580.3	578.4	576.5	574.5	572.7
135°	623.1	623.2	622.9	622.5	622.2	621.8	620.6	618.6	616.6	614.7	612.7
137.5°	664.1	664.2	663.8	663.3	662.8	662.3	661.3	659.7	658.0	656.4	654.8
140°	691.6	691.6	690.7	689.7	688.8	687.9	686.7	685.1	683.5	681.8	680.2
142.5°	716.5	716.3	715.7	715.1	714.4	713.9	712.7	711.1	709.5	707.8	706.2
145°	754.4	754.2	753.2	752.0	751.0	749.9	748.7	747.5	746.2	744.9	743.6
147.5°	787.5	787.1	786.4	785.6	785.0	784.2	783.1	781.5	780.1	778.5	777.0
150°	808.5	808.0	807.2	806.5	805.8	805.0	804.1	803.1	801.9	800.9	799.8
152.5°	829.5	828.8	827.9	827.0	826.1	825.3	824.3	823.2	822.1	821.1	819.9
155°	856.1	855.1	854.6	854.0	853.5	853.0	852.4	851.9	851.3	850.8	850.3
157.5°	880.4	879.2	878.9	878.6	878.2	877.9	877.6	877.2	876.9	876.4	876.1
160°	895.3	894.1	894.0	893.8	893.6	893.5	893.2	892.8	892.4	892.1	891.8
162.5°	908.4	907.2	907.0	906.9	906.7	906.4	906.4	906.3	906.2	906.1	906.0
165°	925.5	924.3	924.3	924.3	924.3	924.3	924.4	924.5	924.7	925.0	925.1
167.5°	939.7	938.4	938.5	938.5	938.6	938.6	938.9	939.4	940.0	940.5	941.0
170°	947.5	946.2	946.4	946.6	946.8	947.0	947.3	947.9	948.4	948.9	949.5
172.5°	953.4	952.1	952.3	952.4	952.7	952.8	953.2	953.7	954.3	954.8	955.4
175°	959.7	958.5	958.8	959.2	959.5	959.9	960.3	960.9	961.4	962.0	962.5
177.5°	963.0	962.2	962.5	962.8	963.0	963.4	963.7	964.2	964.6	965.0	965.5
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	796.4	797.6	801.5	805.4	809.8	811.0	812.9	811.2	810.7	815.4	818.8
5°	798.7	804.1	814.8	824.5	832.7	838.5	844.7	847.1	851.7	858.0	865.9
7.5°	796.1	806.7	823.5	837.7	853.1	864.3	873.0	880.4	889.4	901.6	914.8
10°	793.2	807.5	827.9	845.2	864.1	878.4	890.3	901.9	915.3	932.1	949.3
12.5°	787.8	804.8	830.3	850.8	875.1	889.2	905.1	930.1	944.5	967.8	992.2
15°	777.1	795.9	831.5	856.8	884.2	911.0	940.5	964.3	988.1	1001.8	1036.2
17.5°	761.0	788.7	828.2	857.7	892.5	934.7	967.8	994.8	1022.2	1044.4	1061.7
20°	748.1	778.3	823.3	858.7	900.0	945.4	983.5	1010.9	1034.6	1053.2	1063.9
22.5°	731.8	769.7	813.6	855.0	907.8	952.8	992.7	1014.3	1034.1	1043.2	1047.3
25°	706.0	751.8	801.4	851.9	911.6	959.1	995.6	1008.8	1014.6	1005.7	991.1
27.5°	678.4	729.3	787.3	846.2	909.3	955.0	981.1	979.1	969.3	940.7	917.9
30°	657.7	713.7	776.1	840.3	903.7	948.1	963.4	948.1	925.9	894.0	861.4
32.5°	636.0	694.0	764.2	832.1	893.5	932.5	935.9	909.6	875.2	838.9	798.3
35°	603.2	665.9	741.7	813.6	871.7	896.4	881.7	835.5	794.7	745.1	689.7
37.5°	566.1	635.4	711.3	786.4	839.2	845.6	809.3	760.6	703.0	644.7	579.5
40°	538.3	611.7	690.0	765.7	812.4	805.7	759.4	705.8	637.2	566.1	505.4
42.5°	513.5	586.9	666.6	740.9	778.3	759.9	705.8	640.0	566.4	499.3	443.8
45°	470.4	545.9	627.5	699.4	720.7	687.5	616.0	542.9	470.4	414.4	370.6
47.5°	428.7	503.3	584.1	647.3	654.8	610.2	532.0	456.8	394.5	348.9	318.0
50°	397.9	472.9	552.9	609.3	606.8	552.9	472.5	401.0	348.9	312.1	291.4
52.5°	370.4	441.2	518.1	569.3	556.4	497.7	420.9	357.4	314.6	285.8	267.0
55°	327.6	393.1	466.2	507.3	483.6	418.3	353.5	302.3	270.7	249.1	234.5
57.5°	285.1	346.5	409.0	434.4	408.1	348.0	293.9	256.8	233.0	217.0	207.5
60°	258.8	312.4	368.1	390.0	358.7	305.1	262.4	229.3	210.1	197.0	188.5
62.5°	232.5	280.5	333.0	345.0	316.3	271.0	233.3	205.6	189.9	178.2	170.2
65°	196.7	235.9	275.9	283.8	257.3	222.3	192.4	174.5	160.5	152.0	145.5
67.5°	161.3	192.8	221.1	227.5	204.3	180.0	158.4	142.8	133.3	126.2	120.8
70°	140.4	165.3	188.5	193.6	175.0	153.4	137.1	124.5	116.0	109.9	104.8
72.5°	118.2	139.0	158.2	161.8	146.6	130.0	116.6	106.7	99.2	95.3	90.3
75°	90.4	102.6	117.6	118.5	108.4	98.3	88.0	81.6	77.6	72.8	70.4
77.5°	63.8	73.4	81.9	83.6	77.6	70.8	65.0	59.9	56.6	54.3	52.1
80°	48.8	56.3	60.0	62.1	57.9	53.0	49.7	46.3	44.2	42.6	41.1
82.5°	34.8	39.5	43.0	44.6	42.2	39.4	36.0	34.1	32.4	31.1	30.7
85°	17.7	19.8	21.9	22.5	21.9	20.7	18.9	18.9	17.9	17.7	17.7
87.5°	6.7	8.1	8.6	9.7	9.8	10.6	11.4	12.0	12.6	12.2	11.9
90°	3.0	5.1	7.3	9.5	12.6	16.6	20.5	24.5	28.5	28.1	27.7
92.5°	16.1	17.7	19.2	20.9	22.1	23.1	24.0	24.9	25.8	25.9	26.0
95°	44.1	45.9	47.7	49.6	50.6	51.0	51.4	51.7	52.1	52.1	52.1
97.5°	78.9	80.5	82.1	83.6	84.8	85.5	86.2	86.8	87.6	87.6	87.6
100°	104.8	106.2	107.7	109.1	110.1	110.6	111.2	111.8	112.3	112.3	112.3
102.5°	131.8	133.0	134.1	135.3	136.2	136.9	137.6	138.3	139.0	139.1	139.3
105°	175.5	176.0	176.6	177.1	177.6	177.9	178.3	178.6	179.0	179.4	179.7
107.5°	220.3	221.1	221.9	222.7	223.1	223.1	223.1	223.1	223.1	223.2	223.4
110°	249.2	250.3	251.4	252.5	253.1	253.1	253.1	253.1	253.1	253.1	253.1



TEST NUMBER: P331313-930

CATALOG NUMBER: S122DIP-S485D925U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.5	281.6	282.7	283.7	284.2	284.1	283.9	283.8	283.6	283.2	282.7
115°	326.5	327.6	328.7	329.8	330.1	329.8	329.5	329.1	328.7	328.6	328.3
117.5°	372.8	374.2	375.7	377.2	377.3	376.3	375.3	374.3	373.3	372.8	372.4
120°	403.4	404.8	406.3	407.7	407.7	406.3	404.8	403.4	401.9	401.9	401.9
122.5°	431.6	433.4	435.1	436.8	437.2	436.2	435.2	434.2	433.2	432.8	432.3
125°	475.2	476.8	478.4	480.0	480.6	480.0	479.5	479.0	478.4	477.8	477.4
127.5°	518.0	520.2	522.2	524.2	525.0	524.3	523.7	523.0	522.4	521.7	521.1
130°	545.0	547.4	549.8	552.1	553.1	552.7	552.4	552.0	551.6	551.3	550.9
132.5°	574.5	576.5	578.4	580.3	581.3	581.4	581.5	581.5	581.6	580.8	580.0
135°	614.7	616.6	618.6	620.6	621.8	622.2	622.5	622.9	623.2	623.1	622.9
137.5°	656.4	658.0	659.7	661.3	662.3	662.8	663.3	663.8	664.2	664.1	664.0
140°	681.8	683.5	685.1	686.7	687.9	688.8	689.7	690.7	691.6	691.6	691.6
142.5°	707.8	709.5	711.1	712.7	713.9	714.4	715.1	715.7	716.3	716.5	716.6
145°	744.9	746.2	747.5	748.7	749.9	751.0	752.0	753.2	754.2	754.4	754.6
147.5°	778.5	780.1	781.5	783.1	784.2	785.0	785.6	786.4	787.1	787.5	787.9
150°	800.9	801.9	803.1	804.1	805.0	805.8	806.5	807.2	808.0	808.5	809.0
152.5°	821.1	822.1	823.2	824.3	825.3	826.1	827.0	827.9	828.8	829.5	830.1
155°	850.8	851.3	851.9	852.4	853.0	853.5	854.0	854.6	855.1	856.1	857.0
157.5°	876.4	876.9	877.2	877.6	877.9	878.2	878.6	878.9	879.2	880.4	881.7
160°	892.1	892.4	892.8	893.2	893.5	893.6	893.8	894.0	894.1	895.3	896.3
162.5°	906.1	906.2	906.3	906.4	906.4	906.7	906.9	907.0	907.2	908.4	909.6
165°	925.0	924.7	924.5	924.4	924.3	924.3	924.3	924.3	924.3	925.5	926.8
167.5°	940.5	940.0	939.4	938.9	938.6	938.6	938.5	938.5	938.4	939.7	940.9
170°	948.9	948.4	947.9	947.3	947.0	946.8	946.6	946.4	946.2	947.5	948.8
172.5°	954.8	954.3	953.7	953.2	952.8	952.7	952.4	952.3	952.1	953.4	954.6
175°	962.0	961.4	960.9	960.3	959.9	959.5	959.2	958.8	958.5	959.7	961.0
177.5°	965.0	964.6	964.2	963.7	963.4	963.0	962.8	962.5	962.2	963.0	963.9
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2	964.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	821.7	825.2	825.2	825.7	829.5	829.1	828.8
5°	874.5	879.6	880.3	885.7	889.4	888.2	884.8
7.5°	924.2	933.8	941.2	945.3	950.1	953.0	951.7
10°	963.7	977.7	986.2	992.0	999.0	1004.2	1002.3
12.5°	999.5	1016.2	1027.8	1037.8	1038.7	1045.4	1040.8
15°	1055.3	1073.0	1074.8	1082.1	1087.9	1087.3	1087.6
17.5°	1073.7	1079.5	1080.6	1080.8	1080.8	1078.7	1074.1
20°	1067.2	1065.1	1059.9	1056.0	1049.0	1048.0	1042.0
22.5°	1036.0	1029.2	1016.3	1007.7	996.8	993.9	992.2
25°	974.6	959.7	939.0	919.2	913.7	903.1	906.1
27.5°	890.4	867.2	844.7	828.7	814.2	798.2	802.7
30°	831.2	805.0	773.4	749.0	733.5	718.3	715.5
32.5°	760.6	722.2	686.9	665.4	641.6	632.0	621.5
35°	638.8	601.4	566.3	536.2	518.9	505.4	493.3
37.5°	529.2	486.2	457.9	433.5	420.9	413.3	415.2
40°	461.3	423.5	402.8	384.3	372.7	367.2	368.4
42.5°	406.3	378.0	360.9	348.2	340.1	337.0	336.2
45°	343.7	327.9	313.9	306.6	302.6	299.3	297.2
47.5°	301.2	288.2	280.3	276.0	272.5	269.1	269.0
50°	275.6	267.0	261.5	257.0	254.2	251.8	254.0
52.5°	256.1	248.3	242.8	238.7	237.7	235.5	235.5
55°	227.1	221.0	217.1	213.4	211.7	210.4	208.9
57.5°	200.8	195.0	191.4	189.1	185.6	184.4	183.9
60°	182.1	177.5	173.8	170.8	169.3	166.9	166.9
62.5°	164.8	160.2	156.8	154.5	152.0	151.0	151.2
65°	139.7	136.1	132.7	130.3	129.7	127.9	128.5
67.5°	116.8	114.3	110.8	109.4	108.3	107.3	106.6
70°	101.4	99.0	97.1	95.3	94.4	94.4	94.4
72.5°	88.5	85.5	84.5	82.2	82.7	81.7	80.7
75°	68.5	66.7	65.8	64.8	63.3	63.3	63.3
77.5°	50.4	49.9	48.8	47.8	47.5	47.1	47.3
80°	39.0	38.6	38.1	38.1	37.4	37.2	36.5
82.5°	29.9	29.2	28.8	28.5	28.5	28.4	28.3
85°	17.0	16.5	16.5	16.7	16.1	16.1	16.5
87.5°	12.1	12.0	11.7	11.7	12.1	11.8	11.9
90°	27.4	27.1	26.9	27.1	27.3	27.5	27.6
92.5°	26.1	26.2	26.3	26.3	26.3	26.3	26.3
95°	52.1	52.1	51.9	51.5	51.2	50.8	50.5
97.5°	87.6	87.6	87.6	87.5	87.5	87.4	87.4
100°	112.3	112.3	112.2	112.0	111.9	111.6	111.5
102.5°	139.4	139.6	139.5	139.3	139.2	139.0	138.8
105°	180.1	180.4	180.6	180.6	180.6	180.6	180.6
107.5°	223.6	223.6	223.3	222.5	221.7	220.9	220.0
110°	253.1	253.1	252.7	252.3	251.7	251.1	250.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	282.3	281.9	281.4	281.1	280.7	280.3	279.9
115°	328.2	328.0	327.6	327.1	326.5	326.0	325.5
117.5°	372.0	371.5	371.0	370.6	370.0	369.4	368.9
120°	401.9	401.9	401.7	401.1	400.6	400.1	399.5
122.5°	431.9	431.5	431.0	430.6	430.2	429.8	429.4
125°	476.8	476.2	475.9	475.7	475.5	475.3	475.2
127.5°	520.4	519.8	519.1	518.5	518.0	517.4	516.8
130°	550.6	550.2	549.7	548.9	548.2	547.5	546.7
132.5°	579.2	578.4	577.7	577.2	576.6	576.0	575.4
135°	622.7	622.5	622.2	621.6	621.1	620.5	620.0
137.5°	663.8	663.7	663.2	662.5	661.8	661.0	660.3
140°	691.6	691.6	691.2	690.5	689.7	689.1	688.4
142.5°	716.7	716.9	716.6	715.9	715.2	714.4	713.7
145°	754.8	755.0	754.7	754.0	753.3	752.5	751.8
147.5°	788.3	788.7	788.6	787.9	787.2	786.5	785.8
150°	809.6	810.1	810.1	809.6	809.0	808.5	808.0
152.5°	830.8	831.5	831.5	830.8	830.1	829.5	828.8
155°	857.9	858.8	858.9	858.3	857.9	857.3	856.7
157.5°	882.9	884.1	884.3	883.5	882.6	881.7	880.8
160°	897.4	898.5	898.7	898.0	897.2	896.5	895.8
162.5°	910.9	912.1	912.3	911.4	910.5	909.7	908.8
165°	928.1	929.4	929.5	928.6	927.7	926.8	925.9
167.5°	942.2	943.5	943.6	942.7	941.8	940.9	939.9
170°	950.1	951.3	951.4	950.3	949.3	948.1	947.1
172.5°	955.9	957.2	957.2	956.2	955.1	954.0	952.9
175°	962.2	963.5	963.6	962.5	961.4	960.3	959.3
177.5°	964.8	965.6	965.6	964.8	963.9	963.0	962.2
180°	964.2	964.2	964.2	964.2	964.2	964.2	964.2

(END OF REPORT)