

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: P331312-930

Luminaire Tested: **SA2XXDIP-C485D925U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331312-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C485D925U930-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

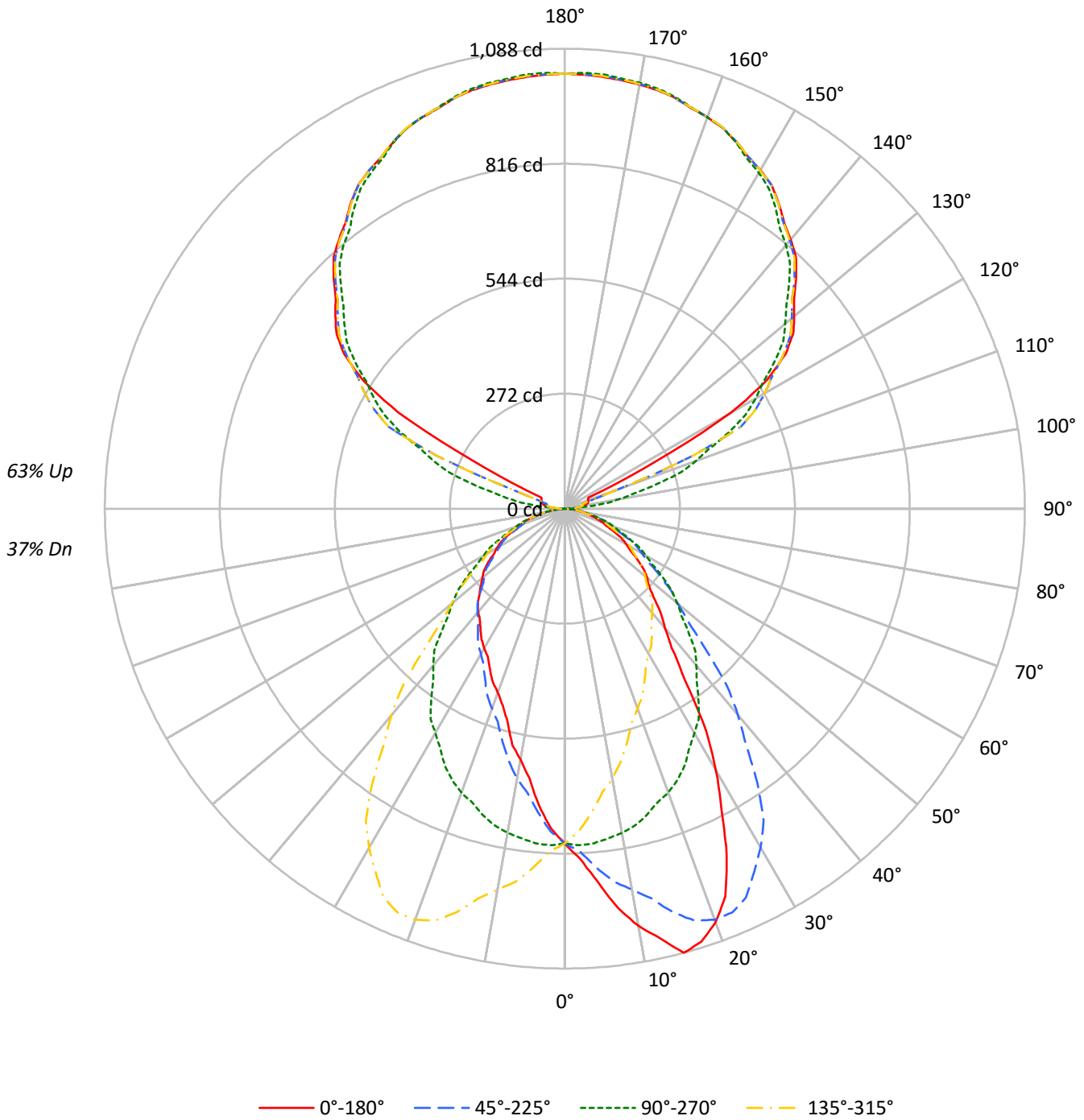
Lumens per Lamp: N/A  
Luminaire Lumens: 4766.1 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Indirect

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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37				37
1	95	91	87	84	86	83	80	77	67	65	63	53	51	50	39	38	38				32	
2	87	80	74	69	79	73	68	64	59	56	53	47	44	42	35	34	32				27	
3	79	70	64	58	72	64	58	53	52	48	45	41	39	36	31	29	28				23	
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	24				20	
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	26	23	21				18	
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19				16	
7	57	45	38	32	52	42	35	30	34	29	26	28	24	21	21	19	17				14	
8	53	41	34	29	48	38	31	27	31	26	23	25	22	19	20	17	15				13	
9	49	38	30	25	45	35	28	24	29	24	20	23	20	17	18	16	14				12	
10	46	34	27	23	42	32	26	21	26	22	18	22	18	16	17	14	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	1.6
10°-20°	219.3	4.6
20°-30°	318.3	6.7
30°-40°	335.9	7.0
40°-50°	297.4	6.2
50°-60°	237.4	5.0
60°-70°	161.3	3.4
70°-80°	82.7	1.7
80°-90°	22.5	0.5
90°-100°	34.3	0.7
100°-110°	125.9	2.6
110°-120°	336.5	7.1
120°-130°	555.4	11.7
130°-140°	590.7	12.4
140°-150°	549.0	11.5
150°-160°	441.4	9.3
160°-170°	284.5	6.0
170°-180°	97.9	2.1
0°-30°	613.1	12.9
0°-40°	949.1	19.9
0°-60°	1483.9	31.1
0°-90°	1750.4	36.7
90°-120°	496.7	10.4
90°-150°	2191.9	46.0
90°-180°	3016.0	63.3
0°-180°	4766.1	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°	20	1	20	1	20	10
95°	32	48	32	48	32	30
105°	57	226	57	226	57	59
115°	61	428	61	428	61	153
125°	637	605	637	605	637	551
135°	774	749	774	749	774	596
145°	882	869	882	869	882	552
155°	958	957	958	957	958	442
165°	1006	1008	1006	1008	1006	284
175°	1025	1031	1025	1031	1025	98
180°	1029	1029	1029	1029	1029	



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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°	10.4	10.3	10.4	10.2	10.1	10.2	10.0	9.6	9.7	9.8	9.8
90°	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6	15.7	14.9	13.5
92.5°	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1	17.7	17.3	16.6
95°	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7	29.8	29.0	27.9
97.5°	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2	39.5	38.9	36.2
100°	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1	43.8	42.5	39.6
102.5°	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0	45.3	43.6	67.2
105°	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1	47.2	45.4	90.6
107.5°	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8	61.7	63.6	117.7
110°	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2	113.7	130.3	178.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0	268.3	328.6	340.5
115°	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2	382.8	459.4	455.3
117.5°	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8	490.3	508.8	506.1
120°	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8	547.8	545.8	542.8
122.5°	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3	582.1	581.0	577.7
125°	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5	630.4	629.2	626.1
127.5°	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0	674.3	672.7	670.3
130°	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3	702.5	700.7	698.9
132.5°	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8	730.3	728.6	726.8
135°	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0	769.3	767.7	766.2
137.5°	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4	805.8	804.2	802.5
140°	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0	829.5	828.0	826.2
142.5°	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7	851.4	850.0	848.0
145°	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2	882.0	880.8	878.1
147.5°	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7	908.8	908.0	905.2
150°	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0	925.0	924.1	921.5
152.5°	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9	940.0	939.0	936.5
155°	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1	960.0	959.0	957.1
157.5°	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0	976.9	975.8	974.4
160°	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8	986.8	985.9	984.9
162.5°	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0	995.9	994.8	993.9
165°	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0	1005.5
167.5°	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7	1016.5	1015.4	1014.9
170°	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5	1021.2	1020.1	1019.8
172.5°	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0	1024.8	1023.7	1023.4
175°	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9	1028.7	1027.5	1027.2
177.5°	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3	1029.4	1028.4	1028.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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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°	9.8	9.5	9.2	9.4	8.3	7.9	6.6	5.5	5.6	5.8	5.6
90°	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7	2.5	4.4	6.2
92.5°	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0	14.8	14.7	14.5
95°	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4	43.0	37.5	32.0
97.5°	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0	80.6	65.3	49.9
100°	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8	109.1	86.4	63.8
102.5°	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1	166.3	161.5	156.7
105°	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3	231.3	236.3	241.2
107.5°	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3	293.3	297.3	301.3
110°	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9	333.4	336.8	340.3





TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9	371.0	374.1	377.2
115°	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1	431.0	433.7	436.6
117.5°	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9	485.0	488.2	491.4
120°	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2	523.7	526.2	528.6
122.5°	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6	557.2	559.8	562.4
125°	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4	607.5	609.7	611.8
127.5°	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3	653.8	656.2	658.5
130°	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6	683.2	685.8	688.5
132.5°	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4	712.6	714.9	717.1
135°	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1	751.7	754.4	757.0
137.5°	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2	790.1	792.0	793.8
140°	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8	815.2	816.5	817.8
142.5°	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3	836.5	837.7	838.9
145°	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9	868.8	868.6	868.5
147.5°	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3	897.6	897.1	896.4
150°	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4	916.2	915.0	913.9
152.5°	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4	932.1	930.8	929.6
155°	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8	955.4	953.8	952.4
157.5°	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1	973.9	972.7	971.3
160°	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	984.9	983.9	982.8
162.5°	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4	994.4	993.4	992.4
165°	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2	1007.2	1006.2	1005.2
167.5°	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7	1016.8	1015.8	1014.7
170°	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1	1022.1	1021.1	1020.1
172.5°	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6	1025.6	1024.7	1023.7
175°	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3	1030.1	1029.0	1027.8
177.5°	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0	1031.1	1030.2	1029.2
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**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°	5.7	5.8	5.9	6.1	6.1	6.1	6.0	6.2	6.4	6.1	6.2
90°	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6	17.4	18.2	18.8
92.5°	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1	18.6	19.0	19.3
95°	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7	31.6	32.4	32.7
97.5°	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2	40.8	41.5	41.9
100°	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1	46.4	47.8	48.6
102.5°	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0	48.8	50.5	51.6
105°	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1	50.9	52.7	54.0
107.5°	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8	58.0	56.2	55.6
110°	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2	80.6	64.1	56.2



TEST NUMBER: P331312-930  
 CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0	147.6	87.2	57.3
115°	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2	229.6	153.0	108.7
117.5°	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8	453.3	434.7	405.9
120°	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8	551.8	553.8	543.6
122.5°	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3	584.5	585.7	584.2
125°	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5	632.7	633.8	634.6
127.5°	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0	677.8	679.5	680.3
130°	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3	706.1	707.9	708.8
132.5°	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8	733.4	734.9	735.6
135°	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0	772.7	774.3	774.9
137.5°	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4	809.0	810.7	811.2
140°	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0	832.5	834.0	834.3
142.5°	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7	854.1	855.5	855.7
145°	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2	884.4	885.5	885.7
147.5°	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7	910.5	911.4	911.5
150°	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0	927.1	928.1	928.1
152.5°	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9	941.9	942.9	942.9
155°	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1	962.1	963.0	962.9
157.5°	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0	979.1	980.2	980.2
160°	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8	988.9	989.9	989.8
162.5°	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0	998.2	999.3	999.1
165°	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6
167.5°	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7	1018.8	1020.0	1019.8
170°	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5	1023.6	1024.7	1024.6
172.5°	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0	1027.2	1028.3	1028.2
175°	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9	1031.0	1032.2	1031.9
177.5°	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3	1031.3	1032.2	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**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°	6.3	6.1	6.1	6.0	6.1	6.1	6.3	6.2	6.1	6.4	6.2
90°	19.1	19.4	19.8	20.1	19.8	19.4	19.1	18.8	18.2	17.4	16.6
92.5°	19.5	19.7	19.9	20.1	19.9	19.7	19.5	19.3	19.0	18.6	18.1
95°	32.5	32.4	32.2	32.0	32.2	32.4	32.5	32.7	32.4	31.6	30.7
97.5°	42.2	42.3	42.6	42.7	42.6	42.3	42.2	41.9	41.5	40.8	40.2
100°	48.9	49.2	49.6	49.9	49.6	49.2	48.9	48.6	47.8	46.4	45.1
102.5°	52.1	52.5	53.0	53.5	53.0	52.5	52.1	51.6	50.5	48.8	47.0
105°	54.6	55.3	55.9	56.6	55.9	55.3	54.6	54.0	52.7	50.9	49.1
107.5°	56.3	56.9	57.6	58.2	57.6	56.9	56.3	55.6	56.2	58.0	59.8
110°	56.8	57.5	58.1	58.9	58.1	57.5	56.8	56.2	64.1	80.6	97.2



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	57.8	58.4	58.9	59.4	58.9	58.4	57.8	57.3	87.2	147.6	208.0
115°	96.8	84.9	73.0	61.1	73.0	84.9	96.8	108.7	153.0	229.6	306.2
117.5°	366.7	327.6	288.5	249.3	288.5	327.6	366.7	405.9	434.7	453.3	471.8
120°	521.2	498.9	476.5	454.2	476.5	498.9	521.2	543.6	553.8	551.8	549.8
122.5°	579.8	575.4	571.1	566.8	571.1	575.4	579.8	584.2	585.7	584.5	583.3
125°	635.1	635.6	636.2	636.7	636.2	635.6	635.1	634.6	633.8	632.7	631.5
127.5°	680.4	680.5	680.6	680.7	680.6	680.5	680.4	680.3	679.5	677.8	676.0
130°	708.7	708.4	708.3	708.1	708.3	708.4	708.7	708.8	707.9	706.1	704.3
132.5°	735.4	735.2	735.1	734.9	735.1	735.2	735.4	735.6	734.9	733.4	731.8
135°	774.6	774.3	774.0	773.6	774.0	774.3	774.6	774.9	774.3	772.7	771.0
137.5°	810.7	810.1	809.5	808.9	809.5	810.1	810.7	811.2	810.7	809.0	807.4
140°	833.5	832.7	831.8	831.0	831.8	832.7	833.5	834.3	834.0	832.5	831.0
142.5°	854.9	854.1	853.3	852.4	853.3	854.1	854.9	855.7	855.5	854.1	852.7
145°	884.8	884.0	883.2	882.4	883.2	884.0	884.8	885.7	885.5	884.4	883.2
147.5°	910.8	910.1	909.4	908.7	909.4	910.1	910.8	911.5	911.4	910.5	909.7
150°	927.3	926.4	925.6	924.8	925.6	926.4	927.3	928.1	928.1	927.1	926.0
152.5°	941.8	940.7	939.6	938.5	939.6	940.7	941.8	942.9	942.9	941.9	940.9
155°	961.6	960.2	958.9	957.6	958.9	960.2	961.6	962.9	963.0	962.1	961.1
157.5°	978.8	977.5	976.2	975.0	976.2	977.5	978.8	980.2	980.2	979.1	978.0
160°	988.6	987.4	986.3	985.1	986.3	987.4	988.6	989.8	989.9	988.9	987.8
162.5°	997.8	996.3	994.9	993.4	994.9	996.3	997.8	999.1	999.3	998.2	997.0
165°	1009.4	1008.3	1007.1	1006.0	1007.1	1008.3	1009.4	1010.6	1010.6	1009.4	1008.3
167.5°	1018.3	1016.8	1015.4	1013.8	1015.4	1016.8	1018.3	1019.8	1020.0	1018.8	1017.7
170°	1023.1	1021.6	1020.1	1018.6	1020.1	1021.6	1023.1	1024.6	1024.7	1023.6	1022.5
172.5°	1026.6	1025.2	1023.7	1022.2	1023.7	1025.2	1026.6	1028.2	1028.3	1027.2	1026.0
175°	1030.3	1028.7	1027.0	1025.3	1027.0	1028.7	1030.3	1031.9	1032.2	1031.0	1029.9
177.5°	1030.9	1029.6	1028.4	1027.3	1028.4	1029.6	1030.9	1032.0	1032.2	1031.3	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**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°	6.0	6.1	6.1	6.1	5.9	5.8	5.7	5.6	5.8	5.6	5.5
90°	15.7	14.9	13.5	12.2	10.9	9.6	8.0	6.2	4.4	2.5	0.7
92.5°	17.7	17.3	16.6	16.0	15.3	14.6	14.3	14.5	14.7	14.8	15.0
95°	29.8	29.0	27.9	26.7	25.6	24.4	26.6	32.0	37.5	43.0	48.4
97.5°	39.5	38.9	36.2	33.5	30.8	28.1	34.5	49.9	65.3	80.6	96.0
100°	43.8	42.5	39.6	36.9	34.0	31.2	41.1	63.8	86.4	109.1	131.8
102.5°	45.3	43.6	67.2	90.7	114.2	137.8	151.9	156.7	161.5	166.3	171.1
105°	47.2	45.4	90.6	135.7	180.9	226.1	246.2	241.2	236.3	231.3	226.3
107.5°	61.7	63.6	117.7	171.9	226.1	280.3	305.4	301.3	297.3	293.3	289.3
110°	113.7	130.3	178.1	225.9	273.8	321.6	343.7	340.3	336.8	333.4	329.9



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	268.3	328.6	340.5	352.3	364.1	375.9	380.3	377.2	374.1	371.0	367.9
115°	382.8	459.4	455.3	451.2	447.0	442.9	439.4	436.6	433.7	431.0	428.1
117.5°	490.3	508.8	506.1	503.2	500.3	497.5	494.5	491.4	488.2	485.0	481.9
120°	547.8	545.8	542.8	539.8	536.9	533.9	531.2	528.6	526.2	523.7	521.2
122.5°	582.1	581.0	577.7	574.5	571.2	567.9	565.0	562.4	559.8	557.2	554.6
125°	630.4	629.2	626.1	622.9	619.8	616.6	614.0	611.8	609.7	607.5	605.4
127.5°	674.3	672.7	670.3	668.0	665.6	663.2	660.9	658.5	656.2	653.8	651.3
130°	702.5	700.7	698.9	697.0	695.2	693.4	691.1	688.5	685.8	683.2	680.6
132.5°	730.3	728.6	726.8	725.0	723.3	721.4	719.3	717.1	714.9	712.6	710.4
135°	769.3	767.7	766.2	764.8	763.2	761.7	759.7	757.0	754.4	751.7	749.1
137.5°	805.8	804.2	802.5	800.8	799.1	797.4	795.7	793.8	792.0	790.1	788.2
140°	829.5	828.0	826.2	824.3	822.6	820.8	819.1	817.8	816.5	815.2	813.8
142.5°	851.4	850.0	848.0	845.9	843.8	841.7	840.1	838.9	837.7	836.5	835.3
145°	882.0	880.8	878.1	875.2	872.5	869.6	868.3	868.5	868.6	868.8	868.9
147.5°	908.8	908.0	905.2	902.5	899.6	896.8	895.8	896.4	897.1	897.6	898.3
150°	925.0	924.1	921.5	918.8	916.2	913.5	912.7	913.9	915.0	916.2	917.4
152.5°	940.0	939.0	936.5	933.9	931.4	928.9	928.3	929.6	930.8	932.1	933.4
155°	960.0	959.0	957.1	955.1	953.1	951.1	950.9	952.4	953.8	955.4	956.8
157.5°	976.9	975.8	974.4	973.0	971.6	970.2	970.1	971.3	972.7	973.9	975.1
160°	986.8	985.9	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9
162.5°	995.9	994.8	993.9	993.0	992.2	991.3	991.4	992.4	993.4	994.4	995.4
165°	1007.1	1006.0	1005.5	1004.9	1004.4	1004.0	1004.2	1005.2	1006.2	1007.2	1008.2
167.5°	1016.5	1015.4	1014.9	1014.4	1014.0	1013.5	1013.7	1014.7	1015.8	1016.8	1017.7
170°	1021.2	1020.1	1019.8	1019.5	1019.1	1018.8	1019.1	1020.1	1021.1	1022.1	1023.1
172.5°	1024.8	1023.7	1023.4	1023.0	1022.7	1022.4	1022.7	1023.7	1024.7	1025.6	1026.6
175°	1028.7	1027.5	1027.2	1026.9	1026.5	1026.2	1026.6	1027.8	1029.0	1030.1	1031.3
177.5°	1029.4	1028.4	1028.3	1028.2	1028.1	1027.9	1028.3	1029.2	1030.2	1031.1	1032.0
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



TEST NUMBER: P331312-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-A

**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°	6.6	7.9	8.3	9.4	9.2	9.5	9.8	9.8	9.8	9.7	9.6
90°	2.5	4.4	6.2	8.0	9.6	10.9	12.2	13.5	14.9	15.7	16.6
92.5°	14.8	14.7	14.5	14.3	14.6	15.3	16.0	16.6	17.3	17.7	18.1
95°	43.0	37.5	32.0	26.6	24.4	25.6	26.7	27.9	29.0	29.8	30.7
97.5°	80.6	65.3	49.9	34.5	28.1	30.8	33.5	36.2	38.9	39.5	40.2
100°	109.1	86.4	63.8	41.1	31.2	34.0	36.9	39.6	42.5	43.8	45.1
102.5°	166.3	161.5	156.7	151.9	137.8	114.2	90.7	67.2	43.6	45.3	47.0
105°	231.3	236.3	241.2	246.2	226.1	180.9	135.7	90.6	45.4	47.2	49.1
107.5°	293.3	297.3	301.3	305.4	280.3	226.1	171.9	117.7	63.6	61.7	59.8
110°	333.4	336.8	340.3	343.7	321.6	273.8	225.9	178.1	130.3	113.7	97.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	371.0	374.1	377.2	380.3	375.9	364.1	352.3	340.5	328.6	268.3	208.0
115°	431.0	433.7	436.6	439.4	442.9	447.0	451.2	455.3	459.4	382.8	306.2
117.5°	485.0	488.2	491.4	494.5	497.5	500.3	503.2	506.1	508.8	490.3	471.8
120°	523.7	526.2	528.6	531.2	533.9	536.9	539.8	542.8	545.8	547.8	549.8
122.5°	557.2	559.8	562.4	565.0	567.9	571.2	574.5	577.7	581.0	582.1	583.3
125°	607.5	609.7	611.8	614.0	616.6	619.8	622.9	626.1	629.2	630.4	631.5
127.5°	653.8	656.2	658.5	660.9	663.2	665.6	668.0	670.3	672.7	674.3	676.0
130°	683.2	685.8	688.5	691.1	693.4	695.2	697.0	698.9	700.7	702.5	704.3
132.5°	712.6	714.9	717.1	719.3	721.4	723.3	725.0	726.8	728.6	730.3	731.8
135°	751.7	754.4	757.0	759.7	761.7	763.2	764.8	766.2	767.7	769.3	771.0
137.5°	790.1	792.0	793.8	795.7	797.4	799.1	800.8	802.5	804.2	805.8	807.4
140°	815.2	816.5	817.8	819.1	820.8	822.6	824.3	826.2	828.0	829.5	831.0
142.5°	836.5	837.7	838.9	840.1	841.7	843.8	845.9	848.0	850.0	851.4	852.7
145°	868.8	868.6	868.5	868.3	869.6	872.5	875.2	878.1	880.8	882.0	883.2
147.5°	897.6	897.1	896.4	895.8	896.8	899.6	902.5	905.2	908.0	908.8	909.7
150°	916.2	915.0	913.9	912.7	913.5	916.2	918.8	921.5	924.1	925.0	926.0
152.5°	932.1	930.8	929.6	928.3	928.9	931.4	933.9	936.5	939.0	940.0	940.9
155°	955.4	953.8	952.4	950.9	951.1	953.1	955.1	957.1	959.0	960.0	961.1
157.5°	973.9	972.7	971.3	970.1	970.2	971.6	973.0	974.4	975.8	976.9	978.0
160°	984.9	983.9	982.8	981.9	981.9	982.8	983.9	984.9	985.9	986.8	987.8
162.5°	994.4	993.4	992.4	991.4	991.3	992.2	993.0	993.9	994.8	995.9	997.0
165°	1007.2	1006.2	1005.2	1004.2	1004.0	1004.4	1004.9	1005.5	1006.0	1007.1	1008.3
167.5°	1016.8	1015.8	1014.7	1013.7	1013.5	1014.0	1014.4	1014.9	1015.4	1016.5	1017.7
170°	1022.1	1021.1	1020.1	1019.1	1018.8	1019.1	1019.5	1019.8	1020.1	1021.2	1022.5
172.5°	1025.6	1024.7	1023.7	1022.7	1022.4	1022.7	1023.0	1023.4	1023.7	1024.8	1026.0
175°	1030.1	1029.0	1027.8	1026.6	1026.2	1026.5	1026.9	1027.2	1027.5	1028.7	1029.9
177.5°	1031.1	1030.2	1029.2	1028.3	1027.9	1028.1	1028.2	1028.3	1028.4	1029.4	1030.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1



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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°	10.0	10.2	10.1	10.2	10.4	10.3	10.4
90°	17.4	18.2	18.8	19.1	19.4	19.8	20.1
92.5°	18.6	19.0	19.3	19.5	19.7	19.9	20.1
95°	31.6	32.4	32.7	32.5	32.4	32.2	32.0
97.5°	40.8	41.5	41.9	42.2	42.3	42.6	42.7
100°	46.4	47.8	48.6	48.9	49.2	49.6	49.9
102.5°	48.8	50.5	51.6	52.1	52.5	53.0	53.5
105°	50.9	52.7	54.0	54.6	55.3	55.9	56.6
107.5°	58.0	56.2	55.6	56.3	56.9	57.6	58.2
110°	80.6	64.1	56.2	56.8	57.5	58.1	58.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	147.6	87.2	57.3	57.8	58.4	58.9	59.4
115°	229.6	153.0	108.7	96.8	84.9	73.0	61.1
117.5°	453.3	434.7	405.9	366.7	327.6	288.5	249.3
120°	551.8	553.8	543.6	521.2	498.9	476.5	454.2
122.5°	584.5	585.7	584.2	579.8	575.4	571.1	566.8
125°	632.7	633.8	634.6	635.1	635.6	636.2	636.7
127.5°	677.8	679.5	680.3	680.4	680.5	680.6	680.7
130°	706.1	707.9	708.8	708.7	708.4	708.3	708.1
132.5°	733.4	734.9	735.6	735.4	735.2	735.1	734.9
135°	772.7	774.3	774.9	774.6	774.3	774.0	773.6
137.5°	809.0	810.7	811.2	810.7	810.1	809.5	808.9
140°	832.5	834.0	834.3	833.5	832.7	831.8	831.0
142.5°	854.1	855.5	855.7	854.9	854.1	853.3	852.4
145°	884.4	885.5	885.7	884.8	884.0	883.2	882.4
147.5°	910.5	911.4	911.5	910.8	910.1	909.4	908.7
150°	927.1	928.1	928.1	927.3	926.4	925.6	924.8
152.5°	941.9	942.9	942.9	941.8	940.7	939.6	938.5
155°	962.1	963.0	962.9	961.6	960.2	958.9	957.6
157.5°	979.1	980.2	980.2	978.8	977.5	976.2	975.0
160°	988.9	989.9	989.8	988.6	987.4	986.3	985.1
162.5°	998.2	999.3	999.1	997.8	996.3	994.9	993.4
165°	1009.4	1010.6	1010.6	1009.4	1008.3	1007.1	1006.0
167.5°	1018.8	1020.0	1019.8	1018.3	1016.8	1015.4	1013.8
170°	1023.6	1024.7	1024.6	1023.1	1021.6	1020.1	1018.6
172.5°	1027.2	1028.3	1028.2	1026.6	1025.2	1023.7	1022.2
175°	1031.0	1032.2	1031.9	1030.3	1028.7	1027.0	1025.3
177.5°	1031.3	1032.2	1032.0	1030.9	1029.6	1028.4	1027.3
180°	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1	1029.1

(END OF REPORT)