

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331314-927

Luminaire Tested: **SA2XXDIP-C485D925U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331314-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4562.9 lumens  
Efficiency: N/A  
Efficacy: 102.5 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

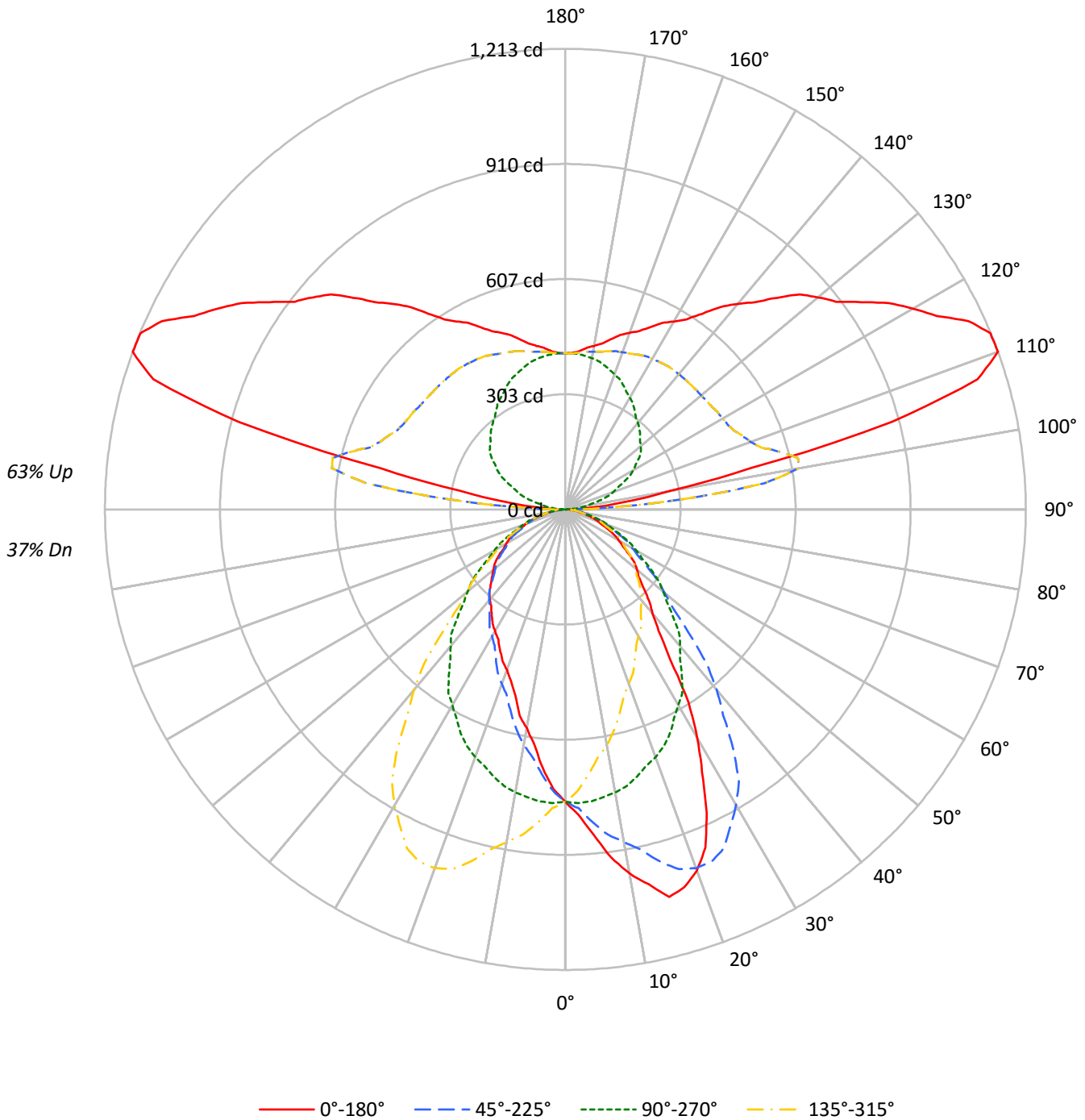
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12429	12429	12429	12429
5°	13935	12511	11086	12511
10°	15967	12408	9594	12408
15°	17665	12179	8476	12179
20°	17395	11936	7727	11936
25°	15684	11610	7252	11610
30°	12961	11091	6906	11091
35°	9447	10549	6660	10549
40°	7546	9908	6521	9908
45°	6594	9168	6336	9168
50°	6199	8450	6212	8450
55°	5714	7721	6046	7721
60°	5238	6946	5790	6946
65°	4768	6250	5540	6250
70°	4329	5570	5169	5570
75°	3843	4816	4579	4816
80°	3301	3989	3682	3989
85°	2964	2964	2186	2964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.3	1.6
10°-20°	213.1	4.7
20°-30°	309.3	6.8
30°-40°	326.4	7.2
40°-50°	289.0	6.3
50°-60°	230.6	5.1
60°-70°	156.8	3.4
70°-80°	80.4	1.8
80°-90°	23.1	0.5
90°-100°	164.4	3.6
100°-110°	557.8	12.2
110°-120°	592.6	13.0
120°-130°	487.8	10.7
130°-140°	391.8	8.6
140°-150°	296.0	6.5
150°-160°	208.1	4.6
160°-170°	122.5	2.7
170°-180°	39.9	0.9
0°-30°	595.8	13.1
0°-40°	922.2	20.2
0°-60°	1441.8	31.6
0°-90°	1702.0	37.3
90°-120°	1314.8	28.8
90°-150°	2490.5	54.6
90°-180°	2861.0	62.7
0°-180°	4562.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	770	770	770	770	770	
5°	860	772	684	772	860	86
15°	1057	729	507	729	1057	292
25°	880	652	407	652	880	398
35°	479	535	338	535	479	312
45°	289	402	278	402	289	227
55°	203	274	215	274	203	182
65°	125	164	145	164	125	124
75°	62	77	73	77	62	66
85°	16	16	12	16	16	18
90°	26	1	26	1	26	15
95°	90	28	90	28	90	117
105°	891	96	891	96	891	862
115°	1172	170	1172	170	1172	1148
125°	951	237	951	237	951	859
135°	788	278	788	278	788	612
145°	629	318	629	318	629	400
155°	529	361	529	361	529	247
165°	464	394	464	394	464	133
175°	418	410	418	410	418	41
180°	411	411	411	411	411	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	805.3	805.6	806.0	802.2	801.8	801.8	798.4	795.6	792.3	787.7	788.2
5°	859.8	863.0	864.2	860.6	855.3	854.7	849.7	841.4	833.7	827.5	823.1
7.5°	924.7	926.0	923.1	918.5	914.5	907.4	898.0	888.8	876.0	864.2	855.5
10°	973.9	975.7	970.7	963.8	958.2	950.0	936.4	922.4	905.6	889.3	876.3
12.5°	1011.3	1015.7	1009.2	1008.4	998.7	987.4	971.1	964.1	940.4	917.7	903.7
15°	1056.8	1056.5	1057.1	1051.5	1044.3	1042.6	1025.4	1006.8	973.4	960.0	936.9
17.5°	1043.6	1048.1	1050.2	1050.1	1050.0	1048.8	1043.3	1031.6	1014.8	993.2	966.6
20°	1012.4	1018.3	1019.2	1026.0	1029.8	1034.9	1037.0	1033.7	1023.3	1005.3	982.2
22.5°	964.1	965.7	968.5	979.1	987.5	1000.1	1006.6	1017.6	1013.6	1004.8	985.6
25°	880.4	877.5	887.8	893.2	912.4	932.5	947.0	963.0	977.2	985.8	980.2
27.5°	780.0	775.5	791.1	805.2	820.8	842.6	865.1	891.8	914.0	941.8	951.3
30°	695.2	697.9	712.7	727.8	751.5	782.2	807.6	836.9	868.6	899.7	921.2
32.5°	603.9	614.1	623.4	646.6	667.4	701.7	739.0	775.6	815.2	850.4	883.8
35°	479.3	491.1	504.1	521.0	550.2	584.3	620.7	670.1	724.0	772.1	811.8
37.5°	403.4	401.6	409.0	421.2	444.9	472.4	514.2	563.1	626.5	683.1	739.0
40°	358.0	356.8	362.1	373.4	391.4	411.5	448.2	491.1	550.0	619.2	685.8
42.5°	326.7	327.4	330.4	338.3	350.7	367.3	394.7	431.3	485.1	550.3	621.9
45°	288.8	290.8	294.1	297.9	305.0	318.6	334.0	360.0	402.7	457.1	527.5
47.5°	261.4	261.5	264.7	268.2	272.4	280.0	292.6	309.0	339.0	383.3	443.9
50°	246.8	244.6	247.0	249.7	254.1	259.4	267.8	283.1	303.2	339.1	389.6
52.5°	228.8	228.8	230.9	232.0	235.9	241.2	248.8	259.4	277.7	305.7	347.3
55°	203.0	204.5	205.7	207.4	211.0	214.8	220.7	227.8	242.0	263.0	293.7
57.5°	178.7	179.2	180.4	183.7	186.0	189.5	195.1	201.6	210.8	226.4	249.5
60°	162.2	162.2	164.5	166.0	168.9	172.5	176.9	183.2	191.4	204.1	222.8
62.5°	146.9	146.7	147.7	150.1	152.3	155.7	160.1	165.4	173.2	184.5	199.8
65°	124.8	124.3	126.0	126.6	129.0	132.2	135.8	141.4	147.7	155.9	169.5
67.5°	103.5	104.3	105.2	106.3	107.7	111.1	113.4	117.4	122.6	129.5	138.8
70°	91.7	91.7	91.7	92.6	94.3	96.2	98.5	101.8	106.8	112.7	121.0
72.5°	78.4	79.4	80.3	79.9	82.1	83.1	86.0	87.8	92.6	96.4	103.7
75°	61.6	61.6	61.6	63.0	63.9	64.8	66.5	68.4	70.7	75.4	79.3
77.5°	45.9	45.8	46.1	46.4	47.4	48.5	49.0	50.6	52.8	55.0	58.2
80°	35.5	36.1	36.4	37.0	37.0	37.5	37.9	39.9	41.4	42.9	45.0
82.5°	27.5	27.6	27.6	27.7	28.0	28.4	29.1	29.8	30.3	31.5	33.1
85°	16.0	15.7	15.7	16.2	16.0	16.0	16.6	17.2	17.2	17.4	18.4
87.5°	11.4	11.4	11.6	11.4	11.4	11.5	11.2	11.2	11.6	12.0	12.1
90°	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3	26.1	26.9	26.1
92.5°	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9	86.8	102.7	101.3
95°	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2	271.2	309.9	274.3
97.5°	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4	555.0	529.1	398.5
100°	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8	738.5	624.6	430.1
102.5°	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1	806.8	627.7	418.1
105°	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6	796.1	585.8	394.5
107.5°	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2	726.7	541.0	382.8
110°	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9	683.1	519.4	380.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1	652.8	505.5	380.9
115°	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5	615.1	490.2	384.2
117.5°	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2	591.4	482.8	389.9
120°	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7	578.8	478.3	393.7
122.5°	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6	568.0	475.8	398.2
125°	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8	552.6	471.2	404.8
127.5°	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3	538.4	468.5	411.6
130°	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5	528.9	467.2	416.7
132.5°	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3	521.3	466.6	421.7
135°	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1	510.7	465.6	427.7
137.5°	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2	503.3	465.5	433.1
140°	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5	498.9	464.9	435.6
142.5°	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6	494.5	464.9	437.5
145°	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1	488.6	463.3	439.6
147.5°	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4	482.6	460.5	440.2
150°	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5	477.5	458.6	439.6
152.5°	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6	473.1	455.4	438.3
155°	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9	464.9	449.9	436.4
157.5°	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7	457.2	444.2	432.8
160°	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7	451.5	440.4	430.9
162.5°	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8	446.4	437.2	429.0
165°	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3	438.0	430.9	425.3
167.5°	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4	429.8	425.3	421.7
170°	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3	425.3	422.2	419.9
172.5°	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6	421.0	418.4	417.3
175°	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5	415.1	414.3	413.5
177.5°	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0	411.8	411.1	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	789.9	788.0	786.8	782.6	778.8	775.0	773.8	774.3	769.1	764.1	762.0
5°	820.7	814.8	809.1	801.1	791.7	781.3	776.0	771.9	761.5	750.3	743.8
7.5°	848.3	839.8	828.9	814.0	800.2	783.9	773.5	764.4	749.2	733.3	723.7
10°	865.1	853.5	839.6	821.3	804.4	784.6	770.7	756.8	739.0	720.1	708.3
12.5°	879.5	864.0	850.2	826.7	806.8	782.0	765.5	745.9	727.2	704.7	693.1
15°	913.9	885.2	859.1	832.5	807.9	773.3	755.0	728.6	704.1	676.3	663.0
17.5°	940.4	908.2	867.2	833.4	804.7	766.4	739.4	707.9	678.8	647.1	629.0
20°	955.6	918.6	874.5	834.3	799.9	756.2	726.9	694.7	660.6	624.8	605.3
22.5°	964.6	925.7	882.1	830.8	790.5	747.9	711.1	675.7	641.2	602.6	582.1
25°	967.4	931.9	885.7	827.8	778.6	730.5	686.0	651.7	610.1	573.9	544.1
27.5°	953.3	927.9	883.5	822.2	765.0	708.6	659.2	620.3	576.2	537.1	507.0
30°	936.0	921.2	878.1	816.5	754.1	693.5	639.1	594.9	551.2	511.5	480.8
32.5°	909.3	906.1	868.2	808.5	742.5	674.3	618.0	573.4	524.9	485.9	456.6
35°	856.7	871.0	847.0	790.5	720.6	647.1	586.1	535.2	484.9	447.6	420.1
37.5°	786.4	821.7	815.4	764.1	691.2	617.3	550.0	496.9	448.9	411.3	384.3
40°	737.8	782.8	789.3	744.0	670.4	594.4	523.1	470.1	423.3	389.0	361.8
42.5°	685.8	738.3	756.2	719.9	647.7	570.2	498.9	444.1	397.8	364.4	340.3
45°	598.5	668.0	700.3	679.5	609.7	530.4	457.1	401.5	359.5	328.1	309.4
47.5°	516.9	592.9	636.3	628.9	567.5	489.0	416.5	363.1	322.3	297.2	280.5
50°	459.1	537.3	589.6	592.0	537.3	459.5	386.7	336.4	298.8	275.4	261.8
52.5°	409.0	483.5	540.7	553.2	503.4	428.6	359.9	309.9	276.8	255.3	243.1
55°	343.5	406.5	469.8	492.9	453.0	381.9	318.3	274.3	243.2	228.4	217.8
57.5°	285.6	338.1	396.6	422.1	397.4	336.7	277.0	238.8	213.6	200.6	192.4
60°	255.0	296.4	348.5	379.0	357.7	303.6	251.4	215.1	194.4	182.8	175.2
62.5°	226.6	263.3	307.3	335.2	323.6	272.5	225.9	193.8	175.9	165.1	159.5
65°	187.0	215.9	250.0	275.8	268.1	229.3	191.2	163.6	149.4	140.9	136.4
67.5°	153.9	174.9	198.5	221.0	214.8	187.4	156.8	135.3	124.7	117.3	114.7
70°	133.2	149.1	170.1	188.1	183.2	160.7	136.4	118.0	108.8	102.7	100.0
72.5°	113.3	126.4	142.4	157.2	153.8	135.1	114.9	101.0	94.0	88.2	86.0
75°	85.5	95.5	105.4	115.1	114.2	99.7	87.9	77.2	71.6	67.2	66.3
77.5°	63.1	68.8	75.4	81.2	79.6	71.3	62.0	55.9	51.8	48.8	48.3
80°	48.2	51.5	56.2	60.4	58.3	54.7	47.4	42.9	39.9	37.0	35.8
82.5°	34.9	38.3	41.0	43.3	41.7	38.4	33.8	30.8	29.1	27.0	26.5
85°	18.4	20.1	21.3	21.9	21.3	19.3	17.2	16.0	14.5	13.6	13.3
87.5°	11.4	10.3	9.5	9.5	8.5	8.2	6.6	5.4	5.6	6.0	5.9
90°	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8	3.2	6.3	7.9
92.5°	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7	13.9	19.6	23.1
95°	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6	30.8	38.7	45.9
97.5°	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1	49.4	57.8	68.4
100°	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8	63.2	70.3	83.0
102.5°	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4	77.2	84.3	97.0
105°	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5	99.7	105.1	117.0
107.5°	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2	121.8	127.1	138.1
110°	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4	137.6	142.3	152.6





TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3	151.5	156.9	166.5
115°	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0	174.0	178.7	188.1
117.5°	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4	195.6	200.3	208.7
120°	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4	209.5	214.3	221.3
122.5°	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7	222.1	226.9	234.6
125°	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2	239.6	244.3	253.8
127.5°	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1	254.3	260.9	271.3
130°	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4	262.4	270.4	281.5
132.5°	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9	270.7	279.2	291.0
135°	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3	281.5	291.0	302.8
137.5°	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1	292.9	302.3	315.0
140°	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3	300.5	309.9	322.6
142.5°	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5	308.0	316.9	329.5
145°	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8	321.0	328.9	340.8
147.5°	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1	333.5	341.0	352.0
150°	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0	342.3	348.6	358.9
152.5°	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8	349.9	356.2	365.3
155°	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3	362.1	366.9	375.6
157.5°	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8	372.6	376.4	383.9
160°	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7	379.5	382.6	389.0
162.5°	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6	385.2	388.3	393.4
165°	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7	392.9	394.5	399.3
167.5°	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4	399.4	400.8	403.9
170°	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8	403.2	404.0	406.4
172.5°	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3	406.4	405.9	408.3
175°	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4	409.6	408.8	410.4
177.5°	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8	410.5	409.9	411.1
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	759.6	758.2	753.2	750.6	746.4	742.4	739.7	740.9	741.9	741.4	740.7
5°	737.8	732.2	723.7	716.2	710.9	701.2	697.0	695.0	693.2	691.1	689.0
7.5°	711.9	703.1	690.8	680.2	670.3	658.1	651.3	647.1	642.8	638.1	634.0
10°	693.5	681.0	668.0	653.2	641.4	630.4	620.7	614.2	608.2	602.6	598.5
12.5°	674.1	659.7	643.6	623.4	610.4	594.7	593.3	581.8	572.5	569.0	564.2
15°	643.2	623.1	602.6	578.7	568.3	554.1	545.3	536.4	528.4	522.8	521.3
17.5°	608.1	582.0	561.7	544.5	527.6	513.0	504.9	497.7	491.2	483.6	482.7
20°	581.3	558.9	536.7	521.6	504.1	489.3	479.3	472.1	466.5	462.1	458.3
22.5°	556.0	531.4	511.1	494.6	477.4	465.4	457.5	450.7	446.0	441.1	437.4
25°	515.4	496.1	474.0	455.3	441.1	433.4	426.9	421.0	418.0	414.8	410.7
27.5°	479.8	458.4	437.7	423.3	410.7	403.9	399.3	395.3	392.5	390.6	388.2
30°	454.7	433.1	416.8	402.7	392.3	385.5	382.5	380.2	376.9	375.7	374.5
32.5°	430.6	411.1	397.2	384.9	375.0	370.6	367.9	365.8	363.2	362.0	359.7
35°	396.4	380.2	366.5	359.7	351.7	347.9	345.9	342.9	340.6	339.4	339.1
37.5°	364.3	350.1	341.2	332.5	329.1	326.7	323.9	321.9	321.2	321.0	320.7
40°	343.5	331.9	323.9	316.9	315.4	311.8	309.4	307.7	307.7	308.0	307.7
42.5°	324.6	314.2	307.1	301.0	299.3	297.1	294.8	294.7	295.2	296.1	295.2
45°	295.9	288.4	283.4	280.4	277.2	275.1	274.8	275.8	276.0	276.3	277.2
47.5°	269.4	264.5	260.0	256.7	255.3	254.9	254.6	256.1	257.5	258.1	259.4
50°	253.8	248.2	244.4	242.3	241.1	240.5	241.1	242.9	244.1	245.6	246.4
52.5°	236.3	232.3	229.7	228.1	227.6	228.0	228.1	230.1	232.0	232.5	233.0
55°	212.1	209.1	208.6	205.9	207.1	206.8	208.3	209.5	211.2	213.0	213.3
57.5°	188.0	185.6	184.0	184.3	184.6	185.9	187.1	189.3	191.2	193.0	193.2
60°	171.9	170.7	169.8	169.8	170.4	172.2	173.6	175.7	176.9	178.1	179.0
62.5°	157.2	156.1	155.1	155.6	157.2	158.2	159.9	161.1	162.2	163.4	163.8
65°	134.0	133.4	134.4	134.9	135.2	136.7	138.8	139.7	140.9	141.4	143.5
67.5°	112.6	112.8	112.6	113.5	115.2	115.6	117.5	119.6	119.9	121.0	122.3
70°	98.2	98.8	99.4	100.0	101.5	102.0	103.5	104.4	105.6	106.5	107.4
72.5°	85.0	85.1	85.7	85.6	86.8	88.1	89.4	90.2	91.4	92.5	93.4
75°	65.4	65.4	66.0	66.3	67.7	69.2	68.9	69.6	70.7	71.9	72.5
77.5°	47.8	47.1	47.8	48.0	48.5	49.7	50.0	50.9	52.2	51.8	52.4
80°	36.4	35.5	36.4	36.7	36.7	38.2	38.2	38.7	39.6	38.7	39.6
82.5°	26.0	25.6	26.2	26.3	26.8	26.8	27.3	27.4	28.3	27.9	28.3
85°	13.0	12.8	13.0	12.8	13.0	13.3	13.3	13.0	13.0	13.6	12.8
87.5°	5.9	6.2	6.7	7.8	8.6	8.5	8.1	7.9	7.6	7.4	7.6
90°	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3	23.7	25.3	26.1
92.5°	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9	59.2	52.5	47.6
95°	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2	158.9	125.7	108.3
97.5°	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4	395.5	309.9	252.9
100°	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8	623.8	515.5	419.9
102.5°	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1	856.0	776.7	675.3
105°	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6	1050.0	1060.3	1034.1
107.5°	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2	1035.7	1117.9	1156.2
110°	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9	991.4	1092.7	1157.5



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1	939.0	1047.1	1121.4
115°	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5	867.3	970.9	1052.3
117.5°	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2	809.1	903.0	979.5
120°	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7	778.8	862.5	934.5
122.5°	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6	753.4	832.8	897.9
125°	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8	720.3	789.8	849.1
127.5°	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3	688.0	753.6	808.3
130°	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5	666.5	729.0	781.2
132.5°	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3	646.3	703.6	752.7
135°	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1	614.3	666.5	710.7
137.5°	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2	588.8	630.3	668.8
140°	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5	572.4	608.8	643.6
142.5°	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6	557.9	589.1	618.3
145°	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1	539.2	563.7	586.6
147.5°	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4	524.0	543.1	559.9
150°	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5	513.9	530.5	544.7
152.5°	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6	505.6	519.8	532.1
155°	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9	492.6	504.4	513.1
157.5°	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7	479.3	489.3	496.1
160°	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7	470.4	479.1	484.7
162.5°	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8	462.2	469.6	473.9
165°	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3	449.9	455.4	458.6
167.5°	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4	438.6	442.4	445.3
170°	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3	431.7	434.8	436.4
172.5°	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6	425.3	427.9	428.8
175°	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5	418.3	419.1	419.9
177.5°	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0	413.0	413.7	413.7
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	738.3	737.8	737.8	735.7	737.8	737.8	738.3	740.7	741.4	741.9	740.9
5°	684.9	684.0	682.5	684.0	682.5	684.0	684.9	689.0	691.1	693.2	695.0
7.5°	632.1	628.5	628.0	624.5	628.0	628.5	632.1	634.0	638.1	642.8	647.1
10°	593.5	591.1	590.8	585.2	590.8	591.1	593.5	598.5	602.6	608.2	614.2
12.5°	564.1	558.4	559.6	556.3	559.6	558.4	564.1	564.2	569.0	572.5	581.8
15°	513.3	513.3	512.1	507.1	512.1	513.3	513.3	521.3	522.8	528.4	536.4
17.5°	476.8	476.2	473.3	474.8	473.3	476.2	476.8	482.7	483.6	491.2	497.7
20°	455.0	453.2	449.7	449.7	449.7	453.2	455.0	458.3	462.1	466.5	472.1
22.5°	434.4	434.3	430.6	431.7	430.6	434.3	434.4	437.4	441.1	446.0	450.7
25°	410.4	408.0	406.2	407.1	406.2	408.0	410.4	410.7	414.8	418.0	421.0
27.5°	387.5	386.2	386.1	383.7	386.1	386.2	387.5	388.2	390.6	392.5	395.3
30°	374.2	371.3	371.9	370.4	371.9	371.3	374.2	374.5	375.7	376.9	380.2
32.5°	359.1	358.1	357.4	356.2	357.4	358.1	359.1	359.7	362.0	363.2	365.8
35°	338.4	338.7	337.2	337.9	337.2	338.7	338.4	339.1	339.4	340.6	342.9
37.5°	320.4	321.4	320.7	320.8	320.7	321.4	320.4	320.7	321.0	321.2	321.9
40°	308.6	308.6	308.6	309.4	308.6	308.6	308.6	307.7	308.0	307.7	307.7
42.5°	297.2	296.8	296.3	296.2	296.3	296.8	297.2	295.2	296.1	295.2	294.7
45°	277.8	278.7	279.0	277.5	279.0	278.7	277.8	277.2	276.3	276.0	275.8
47.5°	260.2	260.3	260.2	261.5	260.2	260.3	260.2	259.4	258.1	257.5	256.1
50°	248.0	247.3	248.0	247.3	248.0	247.3	248.0	246.4	245.6	244.1	242.9
52.5°	234.9	235.0	234.6	234.6	234.6	235.0	234.9	233.0	232.5	232.0	230.1
55°	214.5	215.1	214.8	214.8	214.8	215.1	214.5	213.3	213.0	211.2	209.5
57.5°	193.4	193.9	194.3	193.0	194.3	193.9	193.4	193.2	193.0	191.2	189.3
60°	178.7	180.1	179.9	179.3	179.9	180.1	178.7	179.0	178.1	176.9	175.7
62.5°	165.2	165.7	165.6	165.6	165.6	165.7	165.2	163.8	163.4	162.2	161.1
65°	144.3	145.0	144.1	145.0	144.1	145.0	144.3	143.5	141.4	140.9	139.7
67.5°	121.9	122.2	122.8	123.2	122.8	122.2	121.9	122.3	121.0	119.9	119.6
70°	108.0	107.7	108.6	109.5	108.6	107.7	108.0	107.4	106.5	105.6	104.4
72.5°	93.3	94.0	93.6	94.3	93.6	94.0	93.3	93.4	92.5	91.4	90.2
75°	71.9	72.8	72.5	73.4	72.5	72.8	71.9	72.5	71.9	70.7	69.6
77.5°	52.0	52.0	52.0	52.4	52.0	52.0	52.0	52.4	51.8	52.2	50.9
80°	39.6	39.1	38.4	39.6	38.4	39.1	39.6	39.6	38.7	39.6	38.7
82.5°	27.6	28.0	27.3	27.3	27.3	28.0	27.6	28.3	27.9	28.3	27.4
85°	12.8	12.4	11.8	11.8	11.8	12.4	12.8	12.8	13.6	13.0	13.0
87.5°	7.6	7.4	7.4	7.1	7.4	7.4	7.6	7.6	7.4	7.6	7.9
90°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3
92.5°	47.0	44.4	45.1	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9
95°	98.1	91.7	89.4	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2
97.5°	215.1	195.6	184.0	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4
100°	354.2	320.2	297.3	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8
102.5°	604.0	546.0	517.4	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1
105°	985.1	936.1	902.1	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6
107.5°	1162.4	1159.7	1152.9	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2
110°	1191.4	1206.5	1213.6	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.7	1193.8	1207.3	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1
115°	1108.4	1144.8	1165.4	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5
117.5°	1036.6	1075.1	1096.8	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2
120°	989.8	1027.0	1050.0	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7
122.5°	947.5	984.0	1004.4	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6
125°	895.0	925.0	944.8	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8
127.5°	848.3	876.5	893.6	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3
130°	819.9	846.8	862.5	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5
132.5°	790.8	817.7	832.2	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3
135°	744.7	770.9	785.1	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1
137.5°	699.9	722.3	734.8	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2
140°	668.8	689.4	701.3	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5
142.5°	642.3	661.0	671.5	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6
145°	605.6	619.1	626.9	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1
147.5°	575.6	586.3	591.7	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4
150°	556.6	566.1	570.8	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5
152.5°	541.4	549.6	553.1	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6
155°	521.8	527.4	530.5	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9
157.5°	502.2	506.8	508.2	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7
160°	490.2	494.2	495.0	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7
162.5°	479.4	482.1	482.9	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8
165°	461.7	464.9	464.9	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3
167.5°	446.7	448.5	448.3	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4
170°	437.2	439.6	438.8	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3
172.5°	429.6	430.7	429.9	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6
175°	419.9	420.6	419.9	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5
177.5°	413.7	413.7	413.0	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	739.7	742.4	746.4	750.6	753.2	758.2	759.6	762.0	764.1	769.1	774.3
5°	697.0	701.2	710.9	716.2	723.7	732.2	737.8	743.8	750.3	761.5	771.9
7.5°	651.3	658.1	670.3	680.2	690.8	703.1	711.9	723.7	733.3	749.2	764.4
10°	620.7	630.4	641.4	653.2	668.0	681.0	693.5	708.3	720.1	739.0	756.8
12.5°	593.3	594.7	610.4	623.4	643.6	659.7	674.1	693.1	704.7	727.2	745.9
15°	545.3	554.1	568.3	578.7	602.6	623.1	643.2	663.0	676.3	704.1	728.6
17.5°	504.9	513.0	527.6	544.5	561.7	582.0	608.1	629.0	647.1	678.8	707.9
20°	479.3	489.3	504.1	521.6	536.7	558.9	581.3	605.3	624.8	660.6	694.7
22.5°	457.5	465.4	477.4	494.6	511.1	531.4	556.0	582.1	602.6	641.2	675.7
25°	426.9	433.4	441.1	455.3	474.0	496.1	515.4	544.1	573.9	610.1	651.7
27.5°	399.3	403.9	410.7	423.3	437.7	458.4	479.8	507.0	537.1	576.2	620.3
30°	382.5	385.5	392.3	402.7	416.8	433.1	454.7	480.8	511.5	551.2	594.9
32.5°	367.9	370.6	375.0	384.9	397.2	411.1	430.6	456.6	485.9	524.9	573.4
35°	345.9	347.9	351.7	359.7	366.5	380.2	396.4	420.1	447.6	484.9	535.2
37.5°	323.9	326.7	329.1	332.5	341.2	350.1	364.3	384.3	411.3	448.9	496.9
40°	309.4	311.8	315.4	316.9	323.9	331.9	343.5	361.8	389.0	423.3	470.1
42.5°	294.8	297.1	299.3	301.0	307.1	314.2	324.6	340.3	364.4	397.8	444.1
45°	274.8	275.1	277.2	280.4	283.4	288.4	295.9	309.4	328.1	359.5	401.5
47.5°	254.6	254.9	255.3	256.7	260.0	264.5	269.4	280.5	297.2	322.3	363.1
50°	241.1	240.5	241.1	242.3	244.4	248.2	253.8	261.8	275.4	298.8	336.4
52.5°	228.1	228.0	227.6	228.1	229.7	232.3	236.3	243.1	255.3	276.8	309.9
55°	208.3	206.8	207.1	205.9	208.6	209.1	212.1	217.8	228.4	243.2	274.3
57.5°	187.1	185.9	184.6	184.3	184.0	185.6	188.0	192.4	200.6	213.6	238.8
60°	173.6	172.2	170.4	169.8	169.8	170.7	171.9	175.2	182.8	194.4	215.1
62.5°	159.9	158.2	157.2	155.6	155.1	156.1	157.2	159.5	165.1	175.9	193.8
65°	138.8	136.7	135.2	134.9	134.4	133.4	134.0	136.4	140.9	149.4	163.6
67.5°	117.5	115.6	115.2	113.5	112.6	112.8	112.6	114.7	117.3	124.7	135.3
70°	103.5	102.0	101.5	100.0	99.4	98.8	98.2	100.0	102.7	108.8	118.0
72.5°	89.4	88.1	86.8	85.6	85.7	85.1	85.0	86.0	88.2	94.0	101.0
75°	68.9	69.2	67.7	66.3	66.0	65.4	65.4	66.3	67.2	71.6	77.2
77.5°	50.0	49.7	48.5	48.0	47.8	47.1	47.8	48.3	48.8	51.8	55.9
80°	38.2	38.2	36.7	36.7	36.4	35.5	36.4	35.8	37.0	39.9	42.9
82.5°	27.3	26.8	26.8	26.3	26.2	25.6	26.0	26.5	27.0	29.1	30.8
85°	13.3	13.3	13.0	12.8	13.0	12.8	13.0	13.3	13.6	14.5	16.0
87.5°	8.1	8.5	8.6	7.8	6.7	6.2	5.9	5.9	6.0	5.6	5.4
90°	26.1	26.9	26.1	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8
92.5°	86.8	102.7	101.3	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7
95°	271.2	309.9	274.3	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6
97.5°	555.0	529.1	398.5	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1
100°	738.5	624.6	430.1	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8
102.5°	806.8	627.7	418.1	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4
105°	796.1	585.8	394.5	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5
107.5°	726.7	541.0	382.8	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2
110°	683.1	519.4	380.3	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	652.8	505.5	380.9	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3
115°	615.1	490.2	384.2	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0
117.5°	591.4	482.8	389.9	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4
120°	578.8	478.3	393.7	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4
122.5°	568.0	475.8	398.2	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7
125°	552.6	471.2	404.8	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2
127.5°	538.4	468.5	411.6	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1
130°	528.9	467.2	416.7	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4
132.5°	521.3	466.6	421.7	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9
135°	510.7	465.6	427.7	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3
137.5°	503.3	465.5	433.1	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1
140°	498.9	464.9	435.6	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3
142.5°	494.5	464.9	437.5	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5
145°	488.6	463.3	439.6	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8
147.5°	482.6	460.5	440.2	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1
150°	477.5	458.6	439.6	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0
152.5°	473.1	455.4	438.3	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8
155°	464.9	449.9	436.4	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3
157.5°	457.2	444.2	432.8	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8
160°	451.5	440.4	430.9	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7
162.5°	446.4	437.2	429.0	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6
165°	438.0	430.9	425.3	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7
167.5°	429.8	425.3	421.7	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4
170°	425.3	422.2	419.9	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8
172.5°	421.0	418.4	417.3	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3
175°	415.1	414.3	413.5	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4
177.5°	411.8	411.1	411.8	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	773.8	775.0	778.8	782.6	786.8	788.0	789.9	788.2	787.7	792.3	795.6
5°	776.0	781.3	791.7	801.1	809.1	814.8	820.7	823.1	827.5	833.7	841.4
7.5°	773.5	783.9	800.2	814.0	828.9	839.8	848.3	855.5	864.2	876.0	888.8
10°	770.7	784.6	804.4	821.3	839.6	853.5	865.1	876.3	889.3	905.6	922.4
12.5°	765.5	782.0	806.8	826.7	850.2	864.0	879.5	903.7	917.7	940.4	964.1
15°	755.0	773.3	807.9	832.5	859.1	885.2	913.9	936.9	960.0	973.4	1006.8
17.5°	739.4	766.4	804.7	833.4	867.2	908.2	940.4	966.6	993.2	1014.8	1031.6
20°	726.9	756.2	799.9	834.3	874.5	918.6	955.6	982.2	1005.3	1023.3	1033.7
22.5°	711.1	747.9	790.5	830.8	882.1	925.7	964.6	985.6	1004.8	1013.6	1017.6
25°	686.0	730.5	778.6	827.8	885.7	931.9	967.4	980.2	985.8	977.2	963.0
27.5°	659.2	708.6	765.0	822.2	883.5	927.9	953.3	951.3	941.8	914.0	891.8
30°	639.1	693.5	754.1	816.5	878.1	921.2	936.0	921.2	899.7	868.6	836.9
32.5°	618.0	674.3	742.5	808.5	868.2	906.1	909.3	883.8	850.4	815.2	775.6
35°	586.1	647.1	720.6	790.5	847.0	871.0	856.7	811.8	772.1	724.0	670.1
37.5°	550.0	617.3	691.2	764.1	815.4	821.7	786.4	739.0	683.1	626.5	563.1
40°	523.1	594.4	670.4	744.0	789.3	782.8	737.8	685.8	619.2	550.0	491.1
42.5°	498.9	570.2	647.7	719.9	756.2	738.3	685.8	621.9	550.3	485.1	431.3
45°	457.1	530.4	609.7	679.5	700.3	668.0	598.5	527.5	457.1	402.7	360.0
47.5°	416.5	489.0	567.5	628.9	636.3	592.9	516.9	443.9	383.3	339.0	309.0
50°	386.7	459.5	537.3	592.0	589.6	537.3	459.1	389.6	339.1	303.2	283.1
52.5°	359.9	428.6	503.4	553.2	540.7	483.5	409.0	347.3	305.7	277.7	259.4
55°	318.3	381.9	453.0	492.9	469.8	406.5	343.5	293.7	263.0	242.0	227.8
57.5°	277.0	336.7	397.4	422.1	396.6	338.1	285.6	249.5	226.4	210.8	201.6
60°	251.4	303.6	357.7	379.0	348.5	296.4	255.0	222.8	204.1	191.4	183.2
62.5°	225.9	272.5	323.6	335.2	307.3	263.3	226.6	199.8	184.5	173.2	165.4
65°	191.2	229.3	268.1	275.8	250.0	215.9	187.0	169.5	155.9	147.7	141.4
67.5°	156.8	187.4	214.8	221.0	198.5	174.9	153.9	138.8	129.5	122.6	117.4
70°	136.4	160.7	183.2	188.1	170.1	149.1	133.2	121.0	112.7	106.8	101.8
72.5°	114.9	135.1	153.8	157.2	142.4	126.4	113.3	103.7	96.4	92.6	87.8
75°	87.9	99.7	114.2	115.1	105.4	95.5	85.5	79.3	75.4	70.7	68.4
77.5°	62.0	71.3	79.6	81.2	75.4	68.8	63.1	58.2	55.0	52.8	50.6
80°	47.4	54.7	58.3	60.4	56.2	51.5	48.2	45.0	42.9	41.4	39.9
82.5°	33.8	38.4	41.7	43.3	41.0	38.3	34.9	33.1	31.5	30.3	29.8
85°	17.2	19.3	21.3	21.9	21.3	20.1	18.4	18.4	17.4	17.2	17.2
87.5°	6.6	8.2	8.5	9.5	9.5	10.3	11.4	12.1	12.0	11.6	11.2
90°	3.2	6.3	7.9	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3
92.5°	13.9	19.6	23.1	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9
95°	30.8	38.7	45.9	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2
97.5°	49.4	57.8	68.4	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4
100°	63.2	70.3	83.0	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8
102.5°	77.2	84.3	97.0	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1
105°	99.7	105.1	117.0	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6
107.5°	121.8	127.1	138.1	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2
110°	137.6	142.3	152.6	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9





TEST NUMBER: P331314-927

CATALOG NUMBER: SA2XXDIP-C485D925U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	151.5	156.9	166.5	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1
115°	174.0	178.7	188.1	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5
117.5°	195.6	200.3	208.7	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2
120°	209.5	214.3	221.3	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7
122.5°	222.1	226.9	234.6	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6
125°	239.6	244.3	253.8	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8
127.5°	254.3	260.9	271.3	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3
130°	262.4	270.4	281.5	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5
132.5°	270.7	279.2	291.0	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3
135°	281.5	291.0	302.8	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1
137.5°	292.9	302.3	315.0	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2
140°	300.5	309.9	322.6	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5
142.5°	308.0	316.9	329.5	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6
145°	321.0	328.9	340.8	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1
147.5°	333.5	341.0	352.0	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4
150°	342.3	348.6	358.9	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5
152.5°	349.9	356.2	365.3	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6
155°	362.1	366.9	375.6	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9
157.5°	372.6	376.4	383.9	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7
160°	379.5	382.6	389.0	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7
162.5°	385.2	388.3	393.4	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8
165°	392.9	394.5	399.3	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3
167.5°	399.4	400.8	403.9	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4
170°	403.2	404.0	406.4	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3
172.5°	406.4	405.9	408.3	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6
175°	409.6	408.8	410.4	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5
177.5°	410.5	409.9	411.1	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331314-927

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	769.8	769.8	769.8	769.8	769.8	769.8	769.8
2.5°	798.4	801.8	801.8	802.2	806.0	805.6	805.3
5°	849.7	854.7	855.3	860.6	864.2	863.0	859.8
7.5°	898.0	907.4	914.5	918.5	923.1	926.0	924.7
10°	936.4	950.0	958.2	963.8	970.7	975.7	973.9
12.5°	971.1	987.4	998.7	1008.4	1009.2	1015.7	1011.3
15°	1025.4	1042.6	1044.3	1051.5	1057.1	1056.5	1056.8
17.5°	1043.3	1048.8	1050.0	1050.1	1050.2	1048.1	1043.6
20°	1037.0	1034.9	1029.8	1026.0	1019.2	1018.3	1012.4
22.5°	1006.6	1000.1	987.5	979.1	968.5	965.7	964.1
25°	947.0	932.5	912.4	893.2	887.8	877.5	880.4
27.5°	865.1	842.6	820.8	805.2	791.1	775.5	780.0
30°	807.6	782.2	751.5	727.8	712.7	697.9	695.2
32.5°	739.0	701.7	667.4	646.6	623.4	614.1	603.9
35°	620.7	584.3	550.2	521.0	504.1	491.1	479.3
37.5°	514.2	472.4	444.9	421.2	409.0	401.6	403.4
40°	448.2	411.5	391.4	373.4	362.1	356.8	358.0
42.5°	394.7	367.3	350.7	338.3	330.4	327.4	326.7
45°	334.0	318.6	305.0	297.9	294.1	290.8	288.8
47.5°	292.6	280.0	272.4	268.2	264.7	261.5	261.4
50°	267.8	259.4	254.1	249.7	247.0	244.6	246.8
52.5°	248.8	241.2	235.9	232.0	230.9	228.8	228.8
55°	220.7	214.8	211.0	207.4	205.7	204.5	203.0
57.5°	195.1	189.5	186.0	183.7	180.4	179.2	178.7
60°	176.9	172.5	168.9	166.0	164.5	162.2	162.2
62.5°	160.1	155.7	152.3	150.1	147.7	146.7	146.9
65°	135.8	132.2	129.0	126.6	126.0	124.3	124.8
67.5°	113.4	111.1	107.7	106.3	105.2	104.3	103.5
70°	98.5	96.2	94.3	92.6	91.7	91.7	91.7
72.5°	86.0	83.1	82.1	79.9	80.3	79.4	78.4
75°	66.5	64.8	63.9	63.0	61.6	61.6	61.6
77.5°	49.0	48.5	47.4	46.4	46.1	45.8	45.9
80°	37.9	37.5	37.0	37.0	36.4	36.1	35.5
82.5°	29.1	28.4	28.0	27.7	27.6	27.6	27.5
85°	16.6	16.0	16.0	16.2	15.7	15.7	16.0
87.5°	11.2	11.5	11.4	11.4	11.6	11.4	11.4
90°	23.7	25.3	26.1	26.1	26.1	26.1	26.1
92.5°	59.2	52.5	47.6	47.0	44.4	45.1	43.8
95°	158.9	125.7	108.3	98.1	91.7	89.4	90.2
97.5°	395.5	309.9	252.9	215.1	195.6	184.0	177.4
100°	623.8	515.5	419.9	354.2	320.2	297.3	283.0
102.5°	856.0	776.7	675.3	604.0	546.0	517.4	498.1
105°	1050.0	1060.3	1034.1	985.1	936.1	902.1	891.0
107.5°	1035.7	1117.9	1156.2	1162.4	1159.7	1152.9	1138.2
110°	991.4	1092.7	1157.5	1191.4	1206.5	1213.6	1212.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	939.0	1047.1	1121.4	1168.7	1193.8	1207.3	1211.6
115°	867.3	970.9	1052.3	1108.4	1144.8	1165.4	1172.5
117.5°	809.1	903.0	979.5	1036.6	1075.1	1096.8	1102.7
120°	778.8	862.5	934.5	989.8	1027.0	1050.0	1057.9
122.5°	753.4	832.8	897.9	947.5	984.0	1004.4	1011.1
125°	720.3	789.8	849.1	895.0	925.0	944.8	951.1
127.5°	688.0	753.6	808.3	848.3	876.5	893.6	898.7
130°	666.5	729.0	781.2	819.9	846.8	862.5	868.9
132.5°	646.3	703.6	752.7	790.8	817.7	832.2	837.9
135°	614.3	666.5	710.7	744.7	770.9	785.1	788.2
137.5°	588.8	630.3	668.8	699.9	722.3	734.8	739.6
140°	572.4	608.8	643.6	668.8	689.4	701.3	706.0
142.5°	557.9	589.1	618.3	642.3	661.0	671.5	672.5
145°	539.2	563.7	586.6	605.6	619.1	626.9	629.3
147.5°	524.0	543.1	559.9	575.6	586.3	591.7	593.1
150°	513.9	530.5	544.7	556.6	566.1	570.8	571.6
152.5°	505.6	519.8	532.1	541.4	549.6	553.1	553.3
155°	492.6	504.4	513.1	521.8	527.4	530.5	528.9
157.5°	479.3	489.3	496.1	502.2	506.8	508.2	508.2
160°	470.4	479.1	484.7	490.2	494.2	495.0	495.0
162.5°	462.2	469.6	473.9	479.4	482.1	482.9	482.3
165°	449.9	455.4	458.6	461.7	464.9	464.9	464.1
167.5°	438.6	442.4	445.3	446.7	448.5	448.3	447.3
170°	431.7	434.8	436.4	437.2	439.6	438.8	437.2
172.5°	425.3	427.9	428.8	429.6	430.7	429.9	429.0
175°	418.3	419.1	419.9	419.9	420.6	419.9	418.3
177.5°	413.0	413.7	413.7	413.7	413.7	413.0	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1

(END OF REPORT)