

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: P331294-927

Luminaire Tested: **SA2XXDIP-C485D530U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331294-927
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-C485D530U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

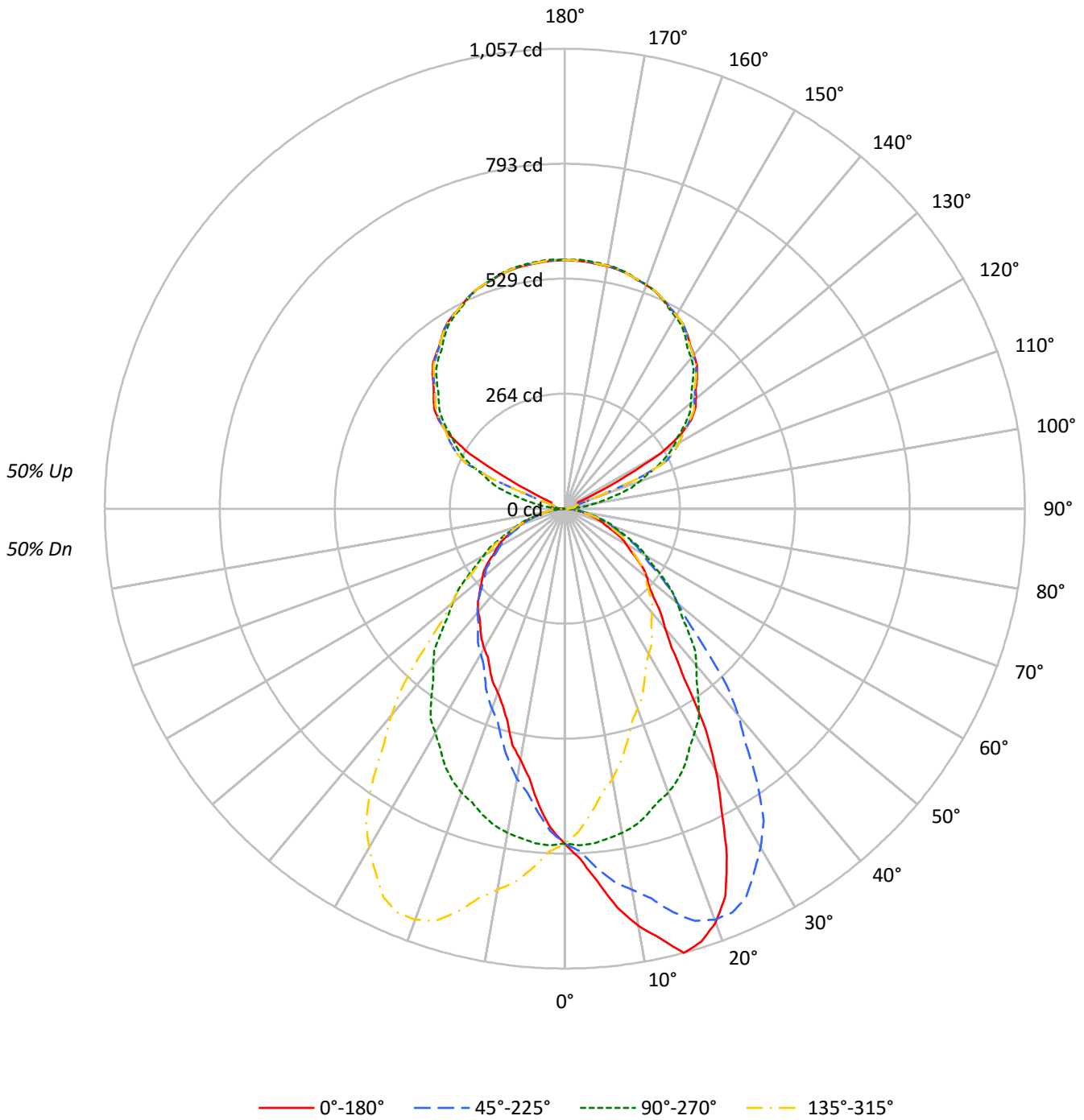
Lumens per Lamp: N/A
Luminaire Lumens: 3374.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.8
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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50				
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43				
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	43	42	37				
3	82	73	66	61	76	68	62	57	58	53	50	49	46	43	40	38	36	32				
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28				
5	70	58	50	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25				
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22				
7	60	48	40	34	55	44	37	33	38	33	29	33	29	26	28	25	22	20				
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18				
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	21	18	16				
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	17	15				

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	2.2
10°-20°	213.1	6.3
20°-30°	309.3	9.2
30°-40°	326.4	9.7
40°-50°	289.0	8.6
50°-60°	230.6	6.8
60°-70°	156.8	4.6
70°-80°	80.4	2.4
80°-90°	20.8	0.6
90°-100°	19.1	0.6
100°-110°	69.9	2.1
110°-120°	186.8	5.5
120°-130°	308.4	9.1
130°-140°	328.0	9.7
140°-150°	304.8	9.0
150°-160°	245.1	7.3
160°-170°	157.9	4.7
170°-180°	54.4	1.6
0°-30°	595.8	17.7
0°-40°	922.2	27.3
0°-60°	1441.8	42.7
0°-90°	1699.7	50.4
90°-120°	275.8	8.2
90°-150°	1217.0	36.1
90°-180°	1674.0	49.6
0°-180°	3374.1	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°	11	0	11	0	11	6
95°	18	27	18	27	18	17
105°	31	126	31	126	31	33
115°	34	238	34	238	34	85
125°	354	336	354	336	354	306
135°	430	416	430	416	430	331
145°	490	482	490	482	490	306
155°	532	531	532	531	532	245
165°	558	560	558	560	558	158
175°	569	573	569	573	569	54
180°	571	571	571	571	571	



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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°	8.4	8.3	8.6	8.2	8.2	8.4	8.3	8.0	8.2	8.3	8.4
90°	11.2	11.0	10.8	10.6	10.5	10.1	9.7	9.2	8.7	8.2	7.5
92.5°	11.2	11.1	10.9	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.2
95°	17.7	17.9	18.0	18.1	18.1	18.0	17.5	17.0	16.6	16.2	15.4
97.5°	23.8	23.6	23.5	23.4	23.3	23.1	22.7	22.3	21.9	21.5	20.1
100°	27.7	27.5	27.3	27.2	26.9	26.5	25.7	25.0	24.3	23.5	22.0
102.5°	29.7	29.4	29.2	28.9	28.7	28.0	27.1	26.1	25.2	24.2	37.3
105°	31.4	31.1	30.7	30.3	29.9	29.2	28.3	27.3	26.2	25.2	50.3
107.5°	32.3	31.9	31.6	31.2	30.9	31.2	32.2	33.3	34.3	35.3	65.4
110°	32.6	32.3	31.9	31.5	31.2	35.6	44.8	53.9	63.1	72.3	98.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	33.0	32.7	32.4	32.1	31.8	48.4	81.9	115.4	148.9	182.5	189.0
115°	33.9	40.5	47.1	53.7	60.4	84.9	127.5	170.0	212.5	255.1	252.8
117.5°	138.4	160.2	181.9	203.6	225.4	241.4	251.7	262.0	272.3	282.5	281.0
120°	252.2	264.6	277.0	289.4	301.8	307.4	306.3	305.2	304.1	303.0	301.3
122.5°	314.7	317.1	319.5	321.9	324.3	325.2	324.6	323.8	323.2	322.6	320.8
125°	353.5	353.2	352.9	352.7	352.4	351.9	351.3	350.6	350.0	349.4	347.6
127.5°	378.0	377.9	377.9	377.8	377.7	377.2	376.3	375.3	374.4	373.5	372.2
130°	393.2	393.2	393.3	393.4	393.6	393.1	392.1	391.0	390.1	389.0	388.0
132.5°	408.1	408.1	408.2	408.3	408.4	408.1	407.2	406.3	405.4	404.6	403.5
135°	429.5	429.8	429.9	430.1	430.3	429.9	429.0	428.1	427.1	426.2	425.4
137.5°	449.2	449.5	449.7	450.0	450.4	450.1	449.2	448.3	447.4	446.5	445.5
140°	461.4	461.8	462.3	462.7	463.2	463.0	462.2	461.4	460.6	459.7	458.7
142.5°	473.2	473.7	474.2	474.7	475.2	475.0	474.2	473.5	472.7	472.0	470.8
145°	489.9	490.4	490.8	491.3	491.7	491.6	491.0	490.4	489.7	489.1	487.5
147.5°	504.5	504.9	505.3	505.7	506.0	506.0	505.6	505.1	504.6	504.1	502.6
150°	513.5	513.9	514.4	514.8	515.3	515.2	514.7	514.1	513.6	513.0	511.6
152.5°	521.1	521.7	522.3	522.9	523.5	523.6	523.0	522.4	521.9	521.3	519.9
155°	531.6	532.4	533.1	533.9	534.6	534.7	534.2	533.6	533.1	532.5	531.4
157.5°	541.3	542.0	542.7	543.4	544.2	544.2	543.6	543.0	542.3	541.8	541.0
160°	546.9	547.6	548.3	548.9	549.5	549.5	549.0	548.4	548.0	547.4	546.8
162.5°	551.6	552.4	553.2	554.0	554.8	554.8	554.2	553.6	552.9	552.3	551.8
165°	558.5	559.2	559.8	560.5	561.1	561.1	560.5	559.8	559.2	558.5	558.3
167.5°	562.9	563.7	564.6	565.4	566.3	566.3	565.7	565.0	564.4	563.7	563.5
170°	565.5	566.4	567.2	568.0	568.9	568.9	568.3	567.7	567.0	566.4	566.2
172.5°	567.5	568.4	569.2	570.1	570.8	570.9	570.3	569.7	569.0	568.4	568.2
175°	569.3	570.2	571.1	572.0	573.0	573.1	572.4	571.8	571.2	570.5	570.3
177.5°	570.4	571.0	571.6	572.4	573.0	573.1	572.6	572.0	571.6	571.0	570.9
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



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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°	8.5	8.3	8.2	8.5	7.5	7.4	6.2	5.3	5.2	5.2	4.9
90°	6.8	6.1	5.3	4.4	3.4	2.5	1.4	0.4	1.4	2.5	3.4
92.5°	8.9	8.5	8.2	8.0	8.1	8.2	8.2	8.3	8.2	8.2	8.1
95°	14.8	14.2	13.5	14.7	17.7	20.8	23.8	26.9	23.8	20.8	17.7
97.5°	18.6	17.1	15.6	19.2	27.7	36.3	44.8	53.3	44.8	36.3	27.7
100°	20.4	18.9	17.3	22.8	35.4	48.0	60.6	73.2	60.6	48.0	35.4
102.5°	50.4	63.5	76.4	84.4	87.0	89.7	92.4	95.0	92.4	89.7	87.0
105°	75.4	100.4	125.6	136.7	134.0	131.2	128.4	125.6	128.4	131.2	134.0
107.5°	95.5	125.6	155.6	169.5	167.3	165.1	162.9	160.7	162.9	165.1	167.3
110°	125.5	152.0	178.6	190.8	188.9	187.0	185.1	183.2	185.1	187.0	188.9



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	195.6	202.2	208.7	211.1	209.5	207.7	206.0	204.3	206.0	207.7	209.5
115°	250.5	248.2	245.9	244.0	242.4	240.8	239.2	237.7	239.2	240.8	242.4
117.5°	279.4	277.8	276.2	274.6	272.8	271.1	269.3	267.6	269.3	271.1	272.8
120°	299.8	298.1	296.4	294.9	293.5	292.2	290.7	289.4	290.7	292.2	293.5
122.5°	318.9	317.1	315.4	313.7	312.3	310.9	309.3	307.9	309.3	310.9	312.3
125°	345.9	344.1	342.4	340.9	339.7	338.5	337.3	336.1	337.3	338.5	339.7
127.5°	370.9	369.6	368.3	366.9	365.6	364.3	363.0	361.6	363.0	364.3	365.6
130°	387.0	386.0	385.0	383.7	382.3	380.8	379.3	377.9	379.3	380.8	382.3
132.5°	402.6	401.6	400.5	399.4	398.2	396.9	395.6	394.4	395.6	396.9	398.2
135°	424.6	423.7	422.9	421.8	420.3	418.8	417.4	415.9	417.4	418.8	420.3
137.5°	444.7	443.7	442.8	441.7	440.7	439.7	438.6	437.7	438.6	439.7	440.7
140°	457.7	456.7	455.7	454.8	454.1	453.4	452.6	451.9	452.6	453.4	454.1
142.5°	469.6	468.5	467.3	466.4	465.7	465.1	464.5	463.7	464.5	465.1	465.7
145°	485.9	484.4	482.8	482.1	482.2	482.3	482.4	482.4	482.4	482.3	482.2
147.5°	501.1	499.5	498.0	497.3	497.7	498.0	498.4	498.8	498.4	498.0	497.7
150°	510.1	508.7	507.2	506.8	507.4	508.0	508.7	509.3	508.7	508.0	507.4
152.5°	518.6	517.1	515.7	515.4	516.1	516.8	517.5	518.2	517.5	516.8	516.1
155°	530.3	529.2	528.1	527.9	528.8	529.6	530.4	531.2	530.4	529.6	528.8
157.5°	540.2	539.4	538.7	538.6	539.3	540.0	540.7	541.4	540.7	540.0	539.3
160°	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4	546.8	546.3	545.7
162.5°	551.4	550.9	550.4	550.5	551.0	551.5	552.1	552.6	552.1	551.5	551.0
165°	557.9	557.7	557.5	557.5	558.1	558.6	559.2	559.8	559.2	558.6	558.1
167.5°	563.2	562.9	562.7	562.8	563.4	564.0	564.5	565.1	564.5	564.0	563.4
170°	566.0	565.9	565.6	565.9	566.4	567.0	567.5	568.0	567.5	567.0	566.4
172.5°	568.0	567.8	567.6	567.8	568.4	568.9	569.5	570.1	569.5	568.9	568.4
175°	570.1	570.0	569.8	570.0	570.7	571.3	572.0	572.6	572.0	571.3	570.7
177.5°	570.8	570.8	570.7	570.9	571.5	572.0	572.5	573.0	572.5	572.0	571.5
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

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°	4.9	4.8	4.8	4.9	4.8	4.8	4.6	4.7	4.8	4.4	4.4
90°	4.4	5.3	6.1	6.8	7.5	8.2	8.7	9.2	9.7	10.1	10.5
92.5°	8.0	8.2	8.5	8.9	9.2	9.6	9.8	10.1	10.3	10.5	10.7
95°	14.7	13.5	14.2	14.8	15.4	16.2	16.6	17.0	17.5	18.0	18.1
97.5°	19.2	15.6	17.1	18.6	20.1	21.5	21.9	22.3	22.7	23.1	23.3
100°	22.8	17.3	18.9	20.4	22.0	23.5	24.3	25.0	25.7	26.5	26.9
102.5°	84.4	76.4	63.5	50.4	37.3	24.2	25.2	26.1	27.1	28.0	28.7
105°	136.7	125.6	100.4	75.4	50.3	25.2	26.2	27.3	28.3	29.2	29.9
107.5°	169.5	155.6	125.6	95.5	65.4	35.3	34.3	33.3	32.2	31.2	30.9
110°	190.8	178.6	152.0	125.5	98.9	72.3	63.1	53.9	44.8	35.6	31.2



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	211.1	208.7	202.2	195.6	189.0	182.5	148.9	115.4	81.9	48.4	31.8
115°	244.0	245.9	248.2	250.5	252.8	255.1	212.5	170.0	127.5	84.9	60.4
117.5°	274.6	276.2	277.8	279.4	281.0	282.5	272.3	262.0	251.7	241.4	225.4
120°	294.9	296.4	298.1	299.8	301.3	303.0	304.1	305.2	306.3	307.4	301.8
122.5°	313.7	315.4	317.1	318.9	320.8	322.6	323.2	323.8	324.6	325.2	324.3
125°	340.9	342.4	344.1	345.9	347.6	349.4	350.0	350.6	351.3	351.9	352.4
127.5°	366.9	368.3	369.6	370.9	372.2	373.5	374.4	375.3	376.3	377.2	377.7
130°	383.7	385.0	386.0	387.0	388.0	389.0	390.1	391.0	392.1	393.1	393.6
132.5°	399.4	400.5	401.6	402.6	403.5	404.6	405.4	406.3	407.2	408.1	408.4
135°	421.8	422.9	423.7	424.6	425.4	426.2	427.1	428.1	429.0	429.9	430.3
137.5°	441.7	442.8	443.7	444.7	445.5	446.5	447.4	448.3	449.2	450.1	450.4
140°	454.8	455.7	456.7	457.7	458.7	459.7	460.6	461.4	462.2	463.0	463.2
142.5°	466.4	467.3	468.5	469.6	470.8	472.0	472.7	473.5	474.2	475.0	475.2
145°	482.1	482.8	484.4	485.9	487.5	489.1	489.7	490.4	491.0	491.6	491.7
147.5°	497.3	498.0	499.5	501.1	502.6	504.1	504.6	505.1	505.6	506.0	506.0
150°	506.8	507.2	508.7	510.1	511.6	513.0	513.6	514.1	514.7	515.2	515.3
152.5°	515.4	515.7	517.1	518.6	519.9	521.3	521.9	522.4	523.0	523.6	523.5
155°	527.9	528.1	529.2	530.3	531.4	532.5	533.1	533.6	534.2	534.7	534.6
157.5°	538.6	538.7	539.4	540.2	541.0	541.8	542.3	543.0	543.6	544.2	544.2
160°	545.2	545.2	545.7	546.3	546.8	547.4	548.0	548.4	549.0	549.5	549.5
162.5°	550.5	550.4	550.9	551.4	551.8	552.3	552.9	553.6	554.2	554.8	554.8
165°	557.5	557.5	557.7	557.9	558.3	558.5	559.2	559.8	560.5	561.1	561.1
167.5°	562.8	562.7	562.9	563.2	563.5	563.7	564.4	565.0	565.7	566.3	566.3
170°	565.9	565.6	565.9	566.0	566.2	566.4	567.0	567.7	568.3	568.9	568.9
172.5°	567.8	567.6	567.8	568.0	568.2	568.4	569.0	569.7	570.3	570.9	570.8
175°	570.0	569.8	570.0	570.1	570.3	570.5	571.2	571.8	572.4	573.1	573.0
177.5°	570.9	570.7	570.8	570.8	570.9	571.0	571.6	572.0	572.6	573.1	573.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

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°	4.5	4.3	4.4	4.1	4.4	4.3	4.5	4.4	4.4	4.8	4.7
90°	10.6	10.8	11.0	11.2	11.0	10.8	10.6	10.5	10.1	9.7	9.2
92.5°	10.9	10.9	11.1	11.2	11.1	10.9	10.9	10.7	10.5	10.3	10.1
95°	18.1	18.0	17.9	17.7	17.9	18.0	18.1	18.1	18.0	17.5	17.0
97.5°	23.4	23.5	23.6	23.8	23.6	23.5	23.4	23.3	23.1	22.7	22.3
100°	27.2	27.3	27.5	27.7	27.5	27.3	27.2	26.9	26.5	25.7	25.0
102.5°	28.9	29.2	29.4	29.7	29.4	29.2	28.9	28.7	28.0	27.1	26.1
105°	30.3	30.7	31.1	31.4	31.1	30.7	30.3	29.9	29.2	28.3	27.3
107.5°	31.2	31.6	31.9	32.3	31.9	31.6	31.2	30.9	31.2	32.2	33.3
110°	31.5	31.9	32.3	32.6	32.3	31.9	31.5	31.2	35.6	44.8	53.9



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	32.1	32.4	32.7	33.0	32.7	32.4	32.1	31.8	48.4	81.9	115.4
115°	53.7	47.1	40.5	33.9	40.5	47.1	53.7	60.4	84.9	127.5	170.0
117.5°	203.6	181.9	160.2	138.4	160.2	181.9	203.6	225.4	241.4	251.7	262.0
120°	289.4	277.0	264.6	252.2	264.6	277.0	289.4	301.8	307.4	306.3	305.2
122.5°	321.9	319.5	317.1	314.7	317.1	319.5	321.9	324.3	325.2	324.6	323.8
125°	352.7	352.9	353.2	353.5	353.2	352.9	352.7	352.4	351.9	351.3	350.6
127.5°	377.8	377.9	377.9	378.0	377.9	377.9	377.8	377.7	377.2	376.3	375.3
130°	393.4	393.3	393.2	393.2	393.2	393.3	393.4	393.6	393.1	392.1	391.0
132.5°	408.3	408.2	408.1	408.1	408.1	408.2	408.3	408.4	408.1	407.2	406.3
135°	430.1	429.9	429.8	429.5	429.8	429.9	430.1	430.3	429.9	429.0	428.1
137.5°	450.0	449.7	449.5	449.2	449.5	449.7	450.0	450.4	450.1	449.2	448.3
140°	462.7	462.3	461.8	461.4	461.8	462.3	462.7	463.2	463.0	462.2	461.4
142.5°	474.7	474.2	473.7	473.2	473.7	474.2	474.7	475.2	475.0	474.2	473.5
145°	491.3	490.8	490.4	489.9	490.4	490.8	491.3	491.7	491.6	491.0	490.4
147.5°	505.7	505.3	504.9	504.5	504.9	505.3	505.7	506.0	506.0	505.6	505.1
150°	514.8	514.4	513.9	513.5	513.9	514.4	514.8	515.3	515.2	514.7	514.1
152.5°	522.9	522.3	521.7	521.1	521.7	522.3	522.9	523.5	523.6	523.0	522.4
155°	533.9	533.1	532.4	531.6	532.4	533.1	533.9	534.6	534.7	534.2	533.6
157.5°	543.4	542.7	542.0	541.3	542.0	542.7	543.4	544.2	544.2	543.6	543.0
160°	548.9	548.3	547.6	546.9	547.6	548.3	548.9	549.5	549.5	549.0	548.4
162.5°	554.0	553.2	552.4	551.6	552.4	553.2	554.0	554.8	554.8	554.2	553.6
165°	560.5	559.8	559.2	558.5	559.2	559.8	560.5	561.1	561.1	560.5	559.8
167.5°	565.4	564.6	563.7	562.9	563.7	564.6	565.4	566.3	566.3	565.7	565.0
170°	568.0	567.2	566.4	565.5	566.4	567.2	568.0	568.9	568.9	568.3	567.7
172.5°	570.1	569.2	568.4	567.5	568.4	569.2	570.1	570.8	570.9	570.3	569.7
175°	572.0	571.1	570.2	569.3	570.2	571.1	572.0	573.0	573.1	572.4	571.8
177.5°	572.4	571.6	571.0	570.4	571.0	571.6	572.4	573.0	573.1	572.6	572.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

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°	4.6	4.8	4.8	4.9	4.8	4.8	4.9	4.9	5.2	5.2	5.3
90°	8.7	8.2	7.5	6.8	6.1	5.3	4.4	3.4	2.5	1.4	0.4
92.5°	9.8	9.6	9.2	8.9	8.5	8.2	8.0	8.1	8.2	8.2	8.3
95°	16.6	16.2	15.4	14.8	14.2	13.5	14.7	17.7	20.8	23.8	26.9
97.5°	21.9	21.5	20.1	18.6	17.1	15.6	19.2	27.7	36.3	44.8	53.3
100°	24.3	23.5	22.0	20.4	18.9	17.3	22.8	35.4	48.0	60.6	73.2
102.5°	25.2	24.2	37.3	50.4	63.5	76.4	84.4	87.0	89.7	92.4	95.0
105°	26.2	25.2	50.3	75.4	100.4	125.6	136.7	134.0	131.2	128.4	125.6
107.5°	34.3	35.3	65.4	95.5	125.6	155.6	169.5	167.3	165.1	162.9	160.7
110°	63.1	72.3	98.9	125.5	152.0	178.6	190.8	188.9	187.0	185.1	183.2



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	148.9	182.5	189.0	195.6	202.2	208.7	211.1	209.5	207.7	206.0	204.3
115°	212.5	255.1	252.8	250.5	248.2	245.9	244.0	242.4	240.8	239.2	237.7
117.5°	272.3	282.5	281.0	279.4	277.8	276.2	274.6	272.8	271.1	269.3	267.6
120°	304.1	303.0	301.3	299.8	298.1	296.4	294.9	293.5	292.2	290.7	289.4
122.5°	323.2	322.6	320.8	318.9	317.1	315.4	313.7	312.3	310.9	309.3	307.9
125°	350.0	349.4	347.6	345.9	344.1	342.4	340.9	339.7	338.5	337.3	336.1
127.5°	374.4	373.5	372.2	370.9	369.6	368.3	366.9	365.6	364.3	363.0	361.6
130°	390.1	389.0	388.0	387.0	386.0	385.0	383.7	382.3	380.8	379.3	377.9
132.5°	405.4	404.6	403.5	402.6	401.6	400.5	399.4	398.2	396.9	395.6	394.4
135°	427.1	426.2	425.4	424.6	423.7	422.9	421.8	420.3	418.8	417.4	415.9
137.5°	447.4	446.5	445.5	444.7	443.7	442.8	441.7	440.7	439.7	438.6	437.7
140°	460.6	459.7	458.7	457.7	456.7	455.7	454.8	454.1	453.4	452.6	451.9
142.5°	472.7	472.0	470.8	469.6	468.5	467.3	466.4	465.7	465.1	464.5	463.7
145°	489.7	489.1	487.5	485.9	484.4	482.8	482.1	482.2	482.3	482.4	482.4
147.5°	504.6	504.1	502.6	501.1	499.5	498.0	497.3	497.7	498.0	498.4	498.8
150°	513.6	513.0	511.6	510.1	508.7	507.2	506.8	507.4	508.0	508.7	509.3
152.5°	521.9	521.3	519.9	518.6	517.1	515.7	515.4	516.1	516.8	517.5	518.2
155°	533.1	532.5	531.4	530.3	529.2	528.1	527.9	528.8	529.6	530.4	531.2
157.5°	542.3	541.8	541.0	540.2	539.4	538.7	538.6	539.3	540.0	540.7	541.4
160°	548.0	547.4	546.8	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4
162.5°	552.9	552.3	551.8	551.4	550.9	550.4	550.5	551.0	551.5	552.1	552.6
165°	559.2	558.5	558.3	557.9	557.7	557.5	557.5	558.1	558.6	559.2	559.8
167.5°	564.4	563.7	563.5	563.2	562.9	562.7	562.8	563.4	564.0	564.5	565.1
170°	567.0	566.4	566.2	566.0	565.9	565.6	565.9	566.4	567.0	567.5	568.0
172.5°	569.0	568.4	568.2	568.0	567.8	567.6	567.8	568.4	568.9	569.5	570.1
175°	571.2	570.5	570.3	570.1	570.0	569.8	570.0	570.7	571.3	572.0	572.6
177.5°	571.6	571.0	570.9	570.8	570.8	570.7	570.9	571.5	572.0	572.5	573.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

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°	6.2	7.4	7.5	8.5	8.2	8.3	8.5	8.4	8.3	8.2	8.0
90°	1.4	2.5	3.4	4.4	5.3	6.1	6.8	7.5	8.2	8.7	9.2
92.5°	8.2	8.2	8.1	8.0	8.2	8.5	8.9	9.2	9.6	9.8	10.1
95°	23.8	20.8	17.7	14.7	13.5	14.2	14.8	15.4	16.2	16.6	17.0
97.5°	44.8	36.3	27.7	19.2	15.6	17.1	18.6	20.1	21.5	21.9	22.3
100°	60.6	48.0	35.4	22.8	17.3	18.9	20.4	22.0	23.5	24.3	25.0
102.5°	92.4	89.7	87.0	84.4	76.4	63.5	50.4	37.3	24.2	25.2	26.1
105°	128.4	131.2	134.0	136.7	125.6	100.4	75.4	50.3	25.2	26.2	27.3
107.5°	162.9	165.1	167.3	169.5	155.6	125.6	95.5	65.4	35.3	34.3	33.3
110°	185.1	187.0	188.9	190.8	178.6	152.0	125.5	98.9	72.3	63.1	53.9



TEST NUMBER: P331294-927

CATALOG NUMBER: SA2XXDIP-C485D530U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.0	207.7	209.5	211.1	208.7	202.2	195.6	189.0	182.5	148.9	115.4
115°	239.2	240.8	242.4	244.0	245.9	248.2	250.5	252.8	255.1	212.5	170.0
117.5°	269.3	271.1	272.8	274.6	276.2	277.8	279.4	281.0	282.5	272.3	262.0
120°	290.7	292.2	293.5	294.9	296.4	298.1	299.8	301.3	303.0	304.1	305.2
122.5°	309.3	310.9	312.3	313.7	315.4	317.1	318.9	320.8	322.6	323.2	323.8
125°	337.3	338.5	339.7	340.9	342.4	344.1	345.9	347.6	349.4	350.0	350.6
127.5°	363.0	364.3	365.6	366.9	368.3	369.6	370.9	372.2	373.5	374.4	375.3
130°	379.3	380.8	382.3	383.7	385.0	386.0	387.0	388.0	389.0	390.1	391.0
132.5°	395.6	396.9	398.2	399.4	400.5	401.6	402.6	403.5	404.6	405.4	406.3
135°	417.4	418.8	420.3	421.8	422.9	423.7	424.6	425.4	426.2	427.1	428.1
137.5°	438.6	439.7	440.7	441.7	442.8	443.7	444.7	445.5	446.5	447.4	448.3
140°	452.6	453.4	454.1	454.8	455.7	456.7	457.7	458.7	459.7	460.6	461.4
142.5°	464.5	465.1	465.7	466.4	467.3	468.5	469.6	470.8	472.0	472.7	473.5
145°	482.4	482.3	482.2	482.1	482.8	484.4	485.9	487.5	489.1	489.7	490.4
147.5°	498.4	498.0	497.7	497.3	498.0	499.5	501.1	502.6	504.1	504.6	505.1
150°	508.7	508.0	507.4	506.8	507.2	508.7	510.1	511.6	513.0	513.6	514.1
152.5°	517.5	516.8	516.1	515.4	515.7	517.1	518.6	519.9	521.3	521.9	522.4
155°	530.4	529.6	528.8	527.9	528.1	529.2	530.3	531.4	532.5	533.1	533.6
157.5°	540.7	540.0	539.3	538.6	538.7	539.4	540.2	541.0	541.8	542.3	543.0
160°	546.8	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4	548.0	548.4
162.5°	552.1	551.5	551.0	550.5	550.4	550.9	551.4	551.8	552.3	552.9	553.6
165°	559.2	558.6	558.1	557.5	557.5	557.7	557.9	558.3	558.5	559.2	559.8
167.5°	564.5	564.0	563.4	562.8	562.7	562.9	563.2	563.5	563.7	564.4	565.0
170°	567.5	567.0	566.4	565.9	565.6	565.9	566.0	566.2	566.4	567.0	567.7
172.5°	569.5	568.9	568.4	567.8	567.6	567.8	568.0	568.2	568.4	569.0	569.7
175°	572.0	571.3	570.7	570.0	569.8	570.0	570.1	570.3	570.5	571.2	571.8
177.5°	572.5	572.0	571.5	570.9	570.7	570.8	570.8	570.9	571.0	571.6	572.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



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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°	8.3	8.4	8.2	8.2	8.6	8.3	8.4
90°	9.7	10.1	10.5	10.6	10.8	11.0	11.2
92.5°	10.3	10.5	10.7	10.9	10.9	11.1	11.2
95°	17.5	18.0	18.1	18.1	18.0	17.9	17.7
97.5°	22.7	23.1	23.3	23.4	23.5	23.6	23.8
100°	25.7	26.5	26.9	27.2	27.3	27.5	27.7
102.5°	27.1	28.0	28.7	28.9	29.2	29.4	29.7
105°	28.3	29.2	29.9	30.3	30.7	31.1	31.4
107.5°	32.2	31.2	30.9	31.2	31.6	31.9	32.3
110°	44.8	35.6	31.2	31.5	31.9	32.3	32.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	81.9	48.4	31.8	32.1	32.4	32.7	33.0
115°	127.5	84.9	60.4	53.7	47.1	40.5	33.9
117.5°	251.7	241.4	225.4	203.6	181.9	160.2	138.4
120°	306.3	307.4	301.8	289.4	277.0	264.6	252.2
122.5°	324.6	325.2	324.3	321.9	319.5	317.1	314.7
125°	351.3	351.9	352.4	352.7	352.9	353.2	353.5
127.5°	376.3	377.2	377.7	377.8	377.9	377.9	378.0
130°	392.1	393.1	393.6	393.4	393.3	393.2	393.2
132.5°	407.2	408.1	408.4	408.3	408.2	408.1	408.1
135°	429.0	429.9	430.3	430.1	429.9	429.8	429.5
137.5°	449.2	450.1	450.4	450.0	449.7	449.5	449.2
140°	462.2	463.0	463.2	462.7	462.3	461.8	461.4
142.5°	474.2	475.0	475.2	474.7	474.2	473.7	473.2
145°	491.0	491.6	491.7	491.3	490.8	490.4	489.9
147.5°	505.6	506.0	506.0	505.7	505.3	504.9	504.5
150°	514.7	515.2	515.3	514.8	514.4	513.9	513.5
152.5°	523.0	523.6	523.5	522.9	522.3	521.7	521.1
155°	534.2	534.7	534.6	533.9	533.1	532.4	531.6
157.5°	543.6	544.2	544.2	543.4	542.7	542.0	541.3
160°	549.0	549.5	549.5	548.9	548.3	547.6	546.9
162.5°	554.2	554.8	554.8	554.0	553.2	552.4	551.6
165°	560.5	561.1	561.1	560.5	559.8	559.2	558.5
167.5°	565.7	566.3	566.3	565.4	564.6	563.7	562.9
170°	568.3	568.9	568.9	568.0	567.2	566.4	565.5
172.5°	570.3	570.9	570.8	570.1	569.2	568.4	567.5
175°	572.4	573.1	573.0	572.0	571.1	570.2	569.3
177.5°	572.6	573.1	573.0	572.4	571.6	571.0	570.4
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3

(END OF REPORT)