

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: P331657-927

Luminaire Tested: **SA2XXRDIP-C485D725U927-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331657-927
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: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3768.4 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

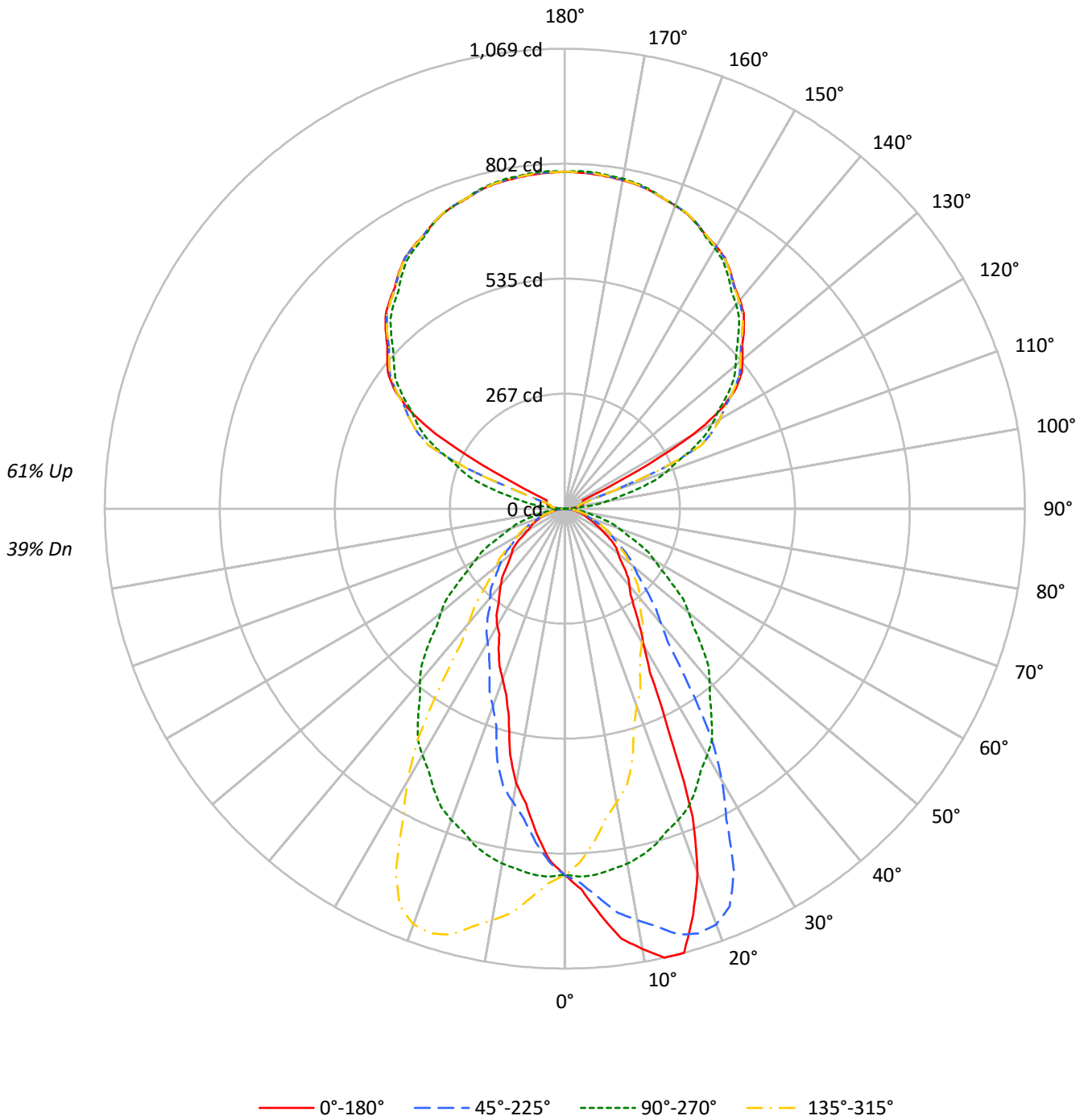
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	88	85	87	84	81	78	69	66	65	55	53	52	42	41	40	34
2	88	81	75	70	80	74	69	65	61	57	54	49	46	44	37	36	35	30
3	81	72	65	59	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	47	49	44	40	39	36	33	31	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	29	28	26	24	20
6	63	52	44	38	57	47	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	28	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	25	31	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13747	13747	13747	13747
5°	15352	13833	12266	13833
10°	17033	13736	10632	13736
15°	17870	13534	8376	13534
20°	15493	13235	7247	13235
25°	10162	12827	6472	12827
30°	6840	12333	5858	12333
35°	5541	11710	5282	11710
40°	4926	11030	4890	11030
45°	4459	10234	4364	10234
50°	4057	9445	4042	9445
55°	3814	8569	3764	8569
60°	3190	7766	3152	7766
65°	2690	7053	3053	7053
70°	2488	6297	2875	6297
75°	2327	5483	2658	5483
80°	2148	4510	2362	4510
85°	1964	3575	2075	3575



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	2.1
10°-20°	224.9	6.0
20°-30°	289.8	7.7
30°-40°	275.4	7.3
40°-50°	235.9	6.3
50°-60°	179.7	4.8
60°-70°	113.6	3.0
70°-80°	56.7	1.5
80°-90°	16.7	0.4
90°-100°	26.1	0.7
100°-110°	95.8	2.5
110°-120°	256.1	6.8
120°-130°	422.7	11.2
130°-140°	449.6	11.9
140°-150°	417.8	11.1
150°-160°	335.9	8.9
160°-170°	216.5	5.7
170°-180°	74.5	2.0
0°-30°	595.4	15.8
0°-40°	870.8	23.1
0°-60°	1286.4	34.1
0°-90°	1473.3	39.1
90°-120°	378.0	10.0
90°-150°	1668.1	44.3
90°-180°	2295.0	60.9
0°-180°	3768.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	851	851	851	851	851	
5°	947	854	757	854	947	93
15°	1069	810	501	810	1069	288
25°	570	720	363	720	570	271
35°	281	594	268	594	281	180
45°	195	448	191	448	195	151
55°	136	304	134	304	136	119
65°	70	185	80	185	70	72
75°	37	88	43	88	37	40
85°	11	19	11	19	11	12
90°	15	1	15	1	15	7
95°	24	37	24	37	24	23
105°	43	172	43	172	43	45
115°	46	326	46	326	46	116
125°	484	461	484	461	484	419
135°	589	570	589	570	589	454
145°	672	661	672	661	672	420
155°	729	728	729	728	729	336
165°	766	767	766	767	766	216
175°	780	785	780	785	780	74
180°	783	783	783	783	783	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	886.0	886.7	887.4	885.7	885.7	884.3	881.2	878.8	872.2	871.2	871.2
5°	947.2	946.7	947.8	944.0	938.7	937.5	931.8	924.5	916.8	908.2	906.4
7.5°	1008.2	1007.3	1005.0	1004.2	1000.2	991.3	982.2	972.6	959.8	947.3	941.0
10°	1038.9	1048.7	1042.8	1032.5	1034.5	1020.6	1013.2	1000.5	989.8	971.2	967.1
12.5°	1069.2	1073.1	1071.2	1065.3	1062.7	1053.0	1043.1	1032.0	1012.3	995.6	981.0
15°	1069.1	1074.8	1076.3	1074.4	1075.9	1075.3	1070.0	1060.8	1043.7	1025.3	1009.4
17.5°	990.2	994.1	1003.8	1010.3	1018.7	1036.2	1044.8	1048.2	1045.6	1035.1	1023.9
20°	901.7	895.2	922.4	936.3	948.2	977.7	1003.1	1012.9	1028.6	1028.3	1025.3
22.5°	776.3	777.8	803.6	820.1	854.7	884.2	913.2	950.0	980.3	1000.4	1012.1
25°	570.4	581.6	607.4	629.8	668.3	723.3	773.3	831.3	886.0	929.2	970.3
27.5°	428.3	429.2	449.6	470.4	493.2	538.3	601.3	670.5	748.5	812.9	886.9
30°	366.9	365.0	373.7	386.3	405.9	440.8	488.1	556.2	634.0	731.0	817.4
32.5°	323.3	323.4	329.9	339.3	355.5	379.0	411.5	466.7	540.3	635.6	736.9
35°	281.1	280.7	285.5	292.3	299.0	314.2	336.4	365.4	416.0	505.0	608.6
37.5°	250.7	252.1	254.4	258.6	266.1	274.5	287.9	307.3	343.3	396.0	483.0
40°	233.7	234.3	237.6	241.1	245.6	252.1	263.0	278.7	305.0	347.0	410.6
42.5°	218.1	218.6	221.0	224.3	227.8	234.3	243.4	256.9	278.3	311.0	363.5
45°	195.3	195.3	197.3	198.8	202.6	208.6	215.9	227.2	242.0	266.3	301.2
47.5°	173.8	173.9	175.2	177.8	180.2	184.8	192.1	201.3	212.1	230.8	260.6
50°	161.5	161.8	162.7	164.8	166.3	170.4	176.0	184.0	195.3	209.8	234.6
52.5°	151.5	151.4	152.5	153.4	154.4	157.4	161.6	168.7	178.7	191.3	211.9
55°	135.5	134.3	136.1	137.5	138.5	139.7	142.0	146.5	155.0	165.6	181.0
57.5°	115.3	114.9	116.1	117.5	120.3	123.5	125.5	128.3	132.8	140.4	155.7
60°	98.8	98.8	101.5	102.3	105.6	109.7	113.9	116.3	120.7	125.7	137.0
62.5°	84.1	84.4	85.6	86.5	88.3	93.4	99.3	104.4	108.6	113.4	120.9
65°	70.4	71.0	71.0	71.6	72.8	74.0	76.3	80.5	87.9	94.7	100.3
67.5°	59.7	60.0	60.1	60.7	61.0	62.3	63.2	65.1	66.8	73.3	80.2
70°	52.7	53.6	53.2	53.9	54.1	54.7	55.9	56.8	59.5	60.9	65.1
72.5°	46.0	46.7	46.7	47.0	47.8	47.8	48.8	49.7	51.4	52.7	54.9
75°	37.3	37.0	37.3	37.9	38.2	38.4	38.4	39.6	40.6	41.7	43.2
77.5°	28.8	29.1	29.0	29.1	29.1	29.6	29.5	30.1	31.0	31.6	32.3
80°	23.1	23.4	23.1	23.4	23.7	23.9	23.7	23.9	24.9	25.4	25.4
82.5°	17.9	17.9	18.1	18.1	18.2	18.3	18.7	18.8	19.4	19.3	19.5
85°	10.6	10.4	10.4	10.4	10.6	10.9	10.6	10.6	10.9	10.9	10.9
87.5°	6.8	7.1	7.0	7.0	6.9	6.8	6.7	6.8	6.4	6.5	6.1
90°	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6	12.0	11.3	10.3
92.5°	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8	13.5	13.2	12.7
95°	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4	22.7	22.1	21.2
97.5°	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6	30.1	29.5	27.6
100°	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3	33.3	32.3	30.2
102.5°	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8	34.5	33.2	31.1
105°	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3	36.0	34.5	32.9
107.5°	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6	47.0	48.4	49.6
110°	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0	86.6	99.2	135.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3	204.2	250.1	259.1
115°	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1	291.4	349.7	346.5
117.5°	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1	373.2	387.3	385.1
120°	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4	416.8	415.3	413.1
122.5°	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9	443.0	442.1	439.7
125°	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6	479.7	478.9	476.4
127.5°	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5	513.3	511.9	510.2
130°	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0	534.6	533.2	531.9
132.5°	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9	555.7	554.5	553.2
135°	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8	585.5	584.2	583.1
137.5°	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5	613.2	612.0	610.7
140°	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4	631.3	630.2	628.8
142.5°	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0	647.9	646.9	645.3
145°	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2	671.3	670.3	668.2
147.5°	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3	691.7	691.0	688.9
150°	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7	704.0	703.2	701.2
152.5°	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1	715.3	714.5	712.6
155°	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4	730.6	729.8	728.3
157.5°	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3	743.5	742.6	741.5
160°	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8	751.1	750.3	749.5
162.5°	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8	758.0	757.1	756.5
165°	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3	766.4	765.6	765.2
167.5°	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5	773.6	772.7	772.4
170°	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1	777.2	776.3	776.1
172.5°	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9	780.0	779.0	778.8
175°	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8	782.9	782.0	781.7
177.5°	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1	783.4	782.7	782.6
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	871.7	869.9	868.2	864.0	861.8	857.1	856.3	856.1	850.0	844.1	842.4
5°	901.7	897.0	889.9	881.5	873.0	864.1	858.2	853.5	841.6	830.4	823.9
7.5°	931.8	921.7	909.4	893.7	880.7	866.0	855.2	845.3	828.5	812.5	801.6
10°	954.3	937.8	921.5	899.9	883.0	866.5	851.1	837.8	818.9	797.6	782.4
12.5°	968.3	950.1	927.6	906.6	884.7	863.6	843.0	825.9	803.7	781.7	763.7
15°	987.2	967.7	940.5	910.3	882.2	854.7	831.0	809.7	780.7	754.4	732.5
17.5°	1002.7	975.7	946.5	911.6	879.1	844.1	813.7	786.4	754.2	722.4	696.6
20°	1007.6	981.0	947.2	912.4	873.9	832.7	799.9	770.3	735.7	701.1	671.5
22.5°	1004.5	983.8	946.3	904.5	865.1	822.1	785.1	750.7	712.3	677.0	642.7
25°	983.7	976.5	941.0	895.5	850.5	800.5	757.6	720.0	676.3	638.4	601.1
27.5°	934.9	950.3	928.3	879.7	829.7	776.1	727.9	685.2	639.7	597.1	559.9
30°	888.1	923.3	913.8	868.9	812.9	760.3	706.2	661.5	613.0	569.2	532.5
32.5°	823.9	882.1	891.4	853.7	795.9	738.0	681.3	636.8	586.2	540.0	504.3
35°	721.8	808.8	848.7	824.7	766.8	704.4	645.8	594.1	543.1	497.6	462.1
37.5°	600.0	718.4	785.1	786.7	733.5	668.6	604.8	553.4	501.3	456.6	418.2
40°	520.9	649.4	736.0	755.3	710.3	640.2	575.7	523.3	472.5	428.6	384.6
42.5°	450.0	577.9	684.4	717.9	682.1	612.5	547.8	493.1	443.5	402.1	357.1
45°	363.8	475.7	593.1	652.9	633.1	568.5	500.3	448.2	401.7	365.9	322.7
47.5°	307.0	385.8	499.4	580.3	579.9	521.0	453.8	403.9	360.8	327.3	292.3
50°	274.5	343.2	439.3	531.0	538.7	489.3	425.4	376.0	335.8	300.6	272.4
52.5°	245.4	302.0	388.4	476.3	498.2	455.4	393.5	347.8	308.8	276.4	252.3
55°	207.4	251.1	316.9	399.1	432.2	402.0	347.0	304.4	272.7	245.6	224.8
57.5°	175.4	208.3	260.9	327.2	365.8	346.7	301.4	266.8	239.7	215.1	198.8
60°	155.3	182.2	226.9	282.3	324.8	311.5	272.7	240.5	217.5	196.1	180.8
62.5°	136.4	159.5	197.8	242.7	281.8	276.2	244.6	217.5	197.3	177.9	164.9
65°	109.7	126.6	156.5	191.7	223.1	225.7	203.0	184.6	166.5	151.1	139.7
67.5°	87.4	98.4	119.5	149.1	172.6	181.0	167.1	153.0	138.7	126.8	116.8
70°	73.7	82.5	97.9	121.9	143.5	152.3	144.3	133.4	121.0	111.2	102.7
72.5°	59.7	68.4	79.7	97.3	115.8	125.4	122.6	114.7	104.6	96.6	88.5
75°	45.0	47.6	55.3	67.2	81.7	89.9	92.0	87.9	79.9	73.7	68.9
77.5°	33.3	34.9	38.5	44.8	54.2	61.6	64.6	64.2	58.6	55.1	50.6
80°	26.6	27.5	29.3	31.9	39.1	46.4	48.5	48.5	44.7	43.2	38.7
82.5°	20.2	20.9	21.9	23.4	26.8	33.2	35.5	36.0	33.5	31.6	28.1
85°	11.6	11.2	11.8	12.8	13.3	15.1	18.6	19.3	18.6	16.2	15.4
87.5°	5.9	5.9	5.7	5.2	5.2	5.1	6.1	7.0	6.3	5.9	5.7
90°	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6	2.0	3.3	4.8
92.5°	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4	11.3	11.2	11.1
95°	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8	32.7	28.5	24.4
97.5°	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1	61.4	49.7	37.9
100°	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3	83.0	65.8	48.6
102.5°	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2	126.6	122.9	119.3
105°	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3	176.0	179.8	183.6
107.5°	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2	223.2	226.3	229.3
110°	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0	253.7	256.4	259.0



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0	282.4	284.7	287.1
115°	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8	328.0	330.1	332.2
117.5°	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8	369.2	371.5	373.9
120°	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6	398.5	400.4	402.3
122.5°	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1	424.1	426.0	428.0
125°	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7	462.3	464.0	465.6
127.5°	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7	497.6	499.4	501.1
130°	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9	520.0	522.0	523.9
132.5°	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6	542.3	544.1	545.7
135°	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1	572.1	574.1	576.2
137.5°	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9	601.3	602.7	604.1
140°	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4	620.4	621.4	622.4
142.5°	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7	636.6	637.5	638.4
145°	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3	661.2	661.1	660.9
147.5°	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7	683.2	682.7	682.2
150°	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2	697.3	696.4	695.5
152.5°	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3	709.4	708.4	707.4
155°	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2	727.1	725.9	724.8
157.5°	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1	741.2	740.2	739.3
160°	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	749.5	748.8	748.0
162.5°	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6	756.8	756.1	755.3
165°	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3	766.5	765.8	765.0
167.5°	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5	773.8	773.0	772.3
170°	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6	777.8	777.1	776.3
172.5°	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3	780.5	779.8	779.0
175°	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8	783.9	783.1	782.2
177.5°	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4	784.7	784.0	783.3
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	839.3	837.7	834.6	829.9	827.0	822.0	818.7	820.6	821.1	820.6	820.1
5°	816.8	810.6	802.0	793.7	786.0	777.8	773.0	771.0	766.8	764.5	763.3
7.5°	789.5	778.8	766.7	752.3	740.0	727.1	720.6	717.3	708.8	704.3	700.2
10°	769.1	752.3	740.1	721.2	709.7	692.8	681.3	681.6	670.0	663.5	658.8
12.5°	746.7	728.2	708.0	690.9	674.9	661.4	647.5	641.8	629.5	623.3	610.5
15°	709.4	687.8	666.5	643.4	627.2	606.2	586.1	561.5	541.7	524.5	519.8
17.5°	668.7	642.0	620.6	593.5	565.6	530.3	507.0	492.7	480.8	471.7	465.0
20°	640.8	613.5	590.8	549.9	512.4	488.4	471.3	460.3	447.9	438.2	432.8
22.5°	611.4	583.0	552.0	506.4	477.1	457.9	442.6	430.0	421.6	414.0	409.2
25°	569.7	538.7	487.5	456.1	432.5	412.4	401.7	394.0	385.2	374.8	370.1
27.5°	525.8	476.3	439.6	416.3	393.7	380.6	371.1	359.6	351.6	347.0	342.1
30°	492.8	443.5	414.8	389.3	373.4	358.9	347.6	341.1	333.4	325.4	322.2
32.5°	456.1	416.7	389.2	368.0	351.8	339.5	330.6	320.0	314.5	309.6	302.8
35°	410.6	380.7	355.6	338.4	323.1	313.0	302.6	296.4	286.4	282.3	279.6
37.5°	372.0	346.1	327.3	309.3	297.1	286.0	279.6	269.7	265.4	259.6	254.0
40°	350.2	324.8	306.8	292.0	278.4	270.1	262.1	254.1	247.6	244.9	238.1
42.5°	328.0	307.3	289.2	273.1	264.0	255.2	245.1	239.2	232.4	228.1	223.9
45°	297.3	279.0	263.6	250.3	240.2	231.1	224.5	214.8	211.0	202.3	198.8
47.5°	270.3	253.3	238.6	225.9	216.1	210.2	200.7	193.0	186.9	181.6	177.1
50°	251.1	236.9	222.8	211.5	202.6	194.1	184.3	180.5	171.0	168.3	165.6
52.5°	233.6	220.1	207.2	196.1	187.3	179.0	170.3	165.3	158.9	156.2	154.3
55°	209.1	196.1	183.7	174.0	165.1	156.5	151.1	145.0	142.0	139.9	137.5
57.5°	184.5	172.9	163.3	153.4	144.5	137.7	131.5	127.8	124.7	122.0	119.1
60°	168.9	157.6	149.1	139.9	130.8	125.2	120.4	116.0	112.4	108.3	107.1
62.5°	152.3	142.5	134.7	125.7	117.7	112.6	108.1	103.9	99.7	93.6	92.0
65°	129.6	121.9	113.6	106.2	99.1	94.1	87.5	82.9	81.0	80.5	80.2
67.5°	109.0	101.7	94.6	87.1	80.6	75.9	72.6	71.9	70.7	70.3	69.5
70°	95.2	88.5	81.4	74.2	68.0	67.2	66.0	64.8	63.3	62.7	62.1
72.5°	82.9	75.9	68.8	63.1	60.4	59.3	58.1	57.0	56.0	55.4	55.1
75°	63.6	57.1	52.4	50.3	48.8	47.9	46.2	45.2	44.7	43.8	43.5
77.5°	45.8	42.1	39.9	38.7	37.1	36.1	35.2	34.2	33.6	33.4	33.0
80°	34.9	33.1	31.7	29.9	29.3	28.1	27.8	26.9	27.3	26.3	26.3
82.5°	27.1	24.9	23.6	22.8	22.2	21.2	20.9	20.5	20.6	20.0	20.0
85°	13.9	13.3	12.8	12.1	12.1	11.2	11.6	11.2	11.2	10.6	10.4
87.5°	5.7	5.7	5.5	5.6	5.9	5.8	5.9	5.9	5.9	6.1	5.9
90°	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6	13.2	13.9	14.3
92.5°	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8	14.1	14.4	14.7
95°	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4	24.0	24.6	24.9
97.5°	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6	31.1	31.6	31.9
100°	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3	35.3	36.4	37.0
102.5°	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8	37.2	38.4	39.3
105°	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3	38.7	40.1	41.0
107.5°	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6	44.1	42.8	42.3
110°	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0	61.4	48.8	42.8



TEST NUMBER: P331657-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3	112.3	66.4	43.6
115°	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1	174.8	116.5	82.7
117.5°	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1	344.9	330.8	308.9
120°	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4	419.9	421.4	413.7
122.5°	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9	444.8	445.8	444.6
125°	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6	481.5	482.4	483.0
127.5°	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5	515.8	517.1	517.8
130°	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0	537.4	538.8	539.4
132.5°	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9	558.1	559.3	559.8
135°	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8	588.0	589.3	589.8
137.5°	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5	615.7	617.0	617.3
140°	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4	633.5	634.7	634.9
142.5°	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0	650.0	651.0	651.3
145°	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2	673.0	673.9	674.0
147.5°	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3	693.0	693.6	693.7
150°	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7	705.5	706.2	706.3
152.5°	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1	716.8	717.6	717.6
155°	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4	732.1	732.9	732.8
157.5°	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3	745.1	746.0	745.9
160°	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8	752.6	753.3	753.2
162.5°	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8	759.6	760.5	760.4
165°	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3	768.3	769.1	769.1
167.5°	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5	775.4	776.3	776.1
170°	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1	779.0	779.9	779.7
172.5°	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9	781.7	782.6	782.4
175°	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8	784.7	785.5	785.4
177.5°	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1	784.8	785.5	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	817.5	818.0	817.3	817.8	817.3	818.0	817.5	820.1	820.6	821.1	820.6
5°	761.8	758.2	757.6	756.8	757.6	758.2	761.8	763.3	764.5	766.8	771.0
7.5°	695.1	694.6	693.2	691.0	693.2	694.6	695.1	700.2	704.3	708.8	717.3
10°	652.3	650.9	650.5	648.5	650.5	650.9	652.3	658.8	663.5	670.0	681.6
12.5°	602.1	592.6	591.6	586.5	591.6	592.6	602.1	610.5	623.3	629.5	641.8
15°	512.7	510.9	505.0	501.1	505.0	510.9	512.7	519.8	524.5	541.7	561.5
17.5°	461.5	455.7	453.9	453.1	453.9	455.7	461.5	465.0	471.7	480.8	492.7
20°	428.6	423.3	422.5	421.8	422.5	423.3	428.6	432.8	438.2	447.9	460.3
22.5°	405.9	400.4	398.1	396.3	398.1	400.4	405.9	409.2	414.0	421.6	430.0
25°	367.1	365.0	363.8	363.3	363.8	365.0	367.1	370.1	374.8	385.2	394.0
27.5°	336.8	332.2	331.3	329.8	331.3	332.2	336.8	342.1	347.0	351.6	359.6
30°	319.5	318.0	315.9	314.2	315.9	318.0	319.5	322.2	325.4	333.4	341.1
32.5°	299.1	297.9	296.0	295.2	296.0	297.9	299.1	302.8	309.6	314.5	320.0
35°	276.6	272.4	270.7	268.0	270.7	272.4	276.6	279.6	282.3	286.4	296.4
37.5°	252.8	250.6	248.1	249.0	248.1	250.6	252.8	254.0	259.6	265.4	269.7
40°	234.3	232.8	232.2	232.0	232.2	232.8	234.3	238.1	244.9	247.6	254.1
42.5°	219.6	215.6	214.0	214.0	214.0	215.6	219.6	223.9	228.1	232.4	239.2
45°	197.3	193.5	190.8	191.1	190.8	193.5	197.3	198.8	202.3	211.0	214.8
47.5°	174.5	174.4	172.7	173.3	172.7	174.4	174.5	177.1	181.6	186.9	193.0
50°	163.6	161.8	160.7	160.9	160.7	161.8	163.6	165.6	168.3	171.0	180.5
52.5°	153.2	151.6	150.7	151.9	150.7	151.6	153.2	154.3	156.2	158.9	165.3
55°	136.1	134.3	134.0	133.7	134.0	134.3	136.1	137.5	139.9	142.0	145.0
57.5°	117.0	115.8	114.0	113.3	114.0	115.8	117.0	119.1	122.0	124.7	127.8
60°	103.2	100.8	97.9	97.6	97.9	100.8	103.2	107.1	108.3	112.4	116.0
62.5°	90.7	90.2	89.7	89.6	89.7	90.2	90.7	92.0	93.6	99.7	103.9
65°	79.6	79.3	79.6	79.9	79.6	79.3	79.6	80.2	80.5	81.0	82.9
67.5°	69.3	68.8	68.3	68.5	68.3	68.8	69.3	69.5	70.3	70.7	71.9
70°	61.6	61.2	60.9	60.9	60.9	61.2	61.6	62.1	62.7	63.3	64.8
72.5°	53.9	53.9	53.6	53.4	53.6	53.9	53.9	55.1	55.4	56.0	57.0
75°	43.2	42.6	42.6	42.6	42.6	42.6	43.2	43.5	43.8	44.7	45.2
77.5°	32.9	32.6	32.3	32.1	32.3	32.6	32.9	33.0	33.4	33.6	34.2
80°	26.1	25.7	25.4	25.4	25.4	25.7	26.1	26.3	26.3	27.3	26.9
82.5°	19.9	19.6	19.5	19.3	19.5	19.6	19.9	20.0	20.0	20.6	20.5
85°	10.6	10.9	10.6	11.2	10.6	10.9	10.6	10.4	10.6	11.2	11.2
87.5°	6.0	5.8	6.1	5.9	6.1	5.8	6.0	5.9	6.1	5.9	5.9
90°	14.6	14.8	15.1	15.3	15.1	14.8	14.6	14.3	13.9	13.2	12.6
92.5°	14.8	15.0	15.1	15.3	15.1	15.0	14.8	14.7	14.4	14.1	13.8
95°	24.7	24.6	24.5	24.4	24.5	24.6	24.7	24.9	24.6	24.0	23.4
97.5°	32.1	32.2	32.4	32.6	32.4	32.2	32.1	31.9	31.6	31.1	30.6
100°	37.2	37.5	37.7	37.9	37.7	37.5	37.2	37.0	36.4	35.3	34.3
102.5°	39.6	40.0	40.3	40.7	40.3	40.0	39.6	39.3	38.4	37.2	35.8
105°	41.6	42.1	42.5	43.1	42.5	42.1	41.6	41.0	40.1	38.7	37.3
107.5°	42.8	43.3	43.8	44.3	43.8	43.3	42.8	42.3	42.8	44.1	45.6
110°	43.3	43.7	44.3	44.8	44.3	43.7	43.3	42.8	48.8	61.4	74.0



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	44.0	44.4	44.8	45.2	44.8	44.4	44.0	43.6	66.4	112.3	158.3
115°	73.7	64.6	55.5	46.5	55.5	64.6	73.7	82.7	116.5	174.8	233.1
117.5°	279.1	249.3	219.5	189.7	219.5	249.3	279.1	308.9	330.8	344.9	359.1
120°	396.6	379.7	362.7	345.7	362.7	379.7	396.6	413.7	421.4	419.9	418.4
122.5°	441.2	437.9	434.7	431.3	434.7	437.9	441.2	444.6	445.8	444.8	443.9
125°	483.4	483.8	484.1	484.5	484.1	483.8	483.4	483.0	482.4	481.5	480.6
127.5°	517.8	517.9	518.0	518.1	518.0	517.9	517.8	517.8	517.1	515.8	514.5
130°	539.3	539.2	539.0	538.9	539.0	539.2	539.3	539.4	538.8	537.4	536.0
132.5°	559.7	559.6	559.4	559.3	559.4	559.6	559.7	559.8	559.3	558.1	556.9
135°	589.5	589.3	589.0	588.7	589.0	589.3	589.5	589.8	589.3	588.0	586.8
137.5°	617.0	616.5	616.1	615.6	616.1	616.5	617.0	617.3	617.0	615.7	614.5
140°	634.3	633.7	633.0	632.4	633.0	633.7	634.3	634.9	634.7	633.5	632.4
142.5°	650.6	650.0	649.4	648.7	649.4	650.0	650.6	651.3	651.0	650.0	649.0
145°	673.4	672.8	672.2	671.5	672.2	672.8	673.4	674.0	673.9	673.0	672.2
147.5°	693.2	692.6	692.1	691.6	692.1	692.6	693.2	693.7	693.6	693.0	692.3
150°	705.7	705.0	704.4	703.8	704.4	705.0	705.7	706.3	706.2	705.5	704.7
152.5°	716.8	715.9	715.1	714.2	715.1	715.9	716.8	717.6	717.6	716.8	716.1
155°	731.7	730.8	729.8	728.7	729.8	730.8	731.7	732.8	732.9	732.1	731.4
157.5°	745.0	743.9	743.0	742.0	743.0	743.9	745.0	745.9	746.0	745.1	744.3
160°	752.3	751.5	750.6	749.7	750.6	751.5	752.3	753.2	753.3	752.6	751.8
162.5°	759.3	758.2	757.2	756.1	757.2	758.2	759.3	760.4	760.5	759.6	758.8
165°	768.3	767.3	766.4	765.6	766.4	767.3	768.3	769.1	769.1	768.3	767.3
167.5°	775.0	773.9	772.7	771.6	772.7	773.9	775.0	776.1	776.3	775.4	774.5
170°	778.6	777.4	776.3	775.2	776.3	777.4	778.6	779.7	779.9	779.0	778.1
172.5°	781.3	780.2	779.0	777.9	779.0	780.2	781.3	782.4	782.6	781.7	780.9
175°	784.1	782.8	781.6	780.3	781.6	782.8	784.1	785.4	785.5	784.7	783.8
177.5°	784.5	783.6	782.7	781.8	782.7	783.6	784.5	785.4	785.5	784.8	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	818.7	822.0	827.0	829.9	834.6	837.7	839.3	842.4	844.1	850.0	856.1
5°	773.0	777.8	786.0	793.7	802.0	810.6	816.8	823.9	830.4	841.6	853.5
7.5°	720.6	727.1	740.0	752.3	766.7	778.8	789.5	801.6	812.5	828.5	845.3
10°	681.3	692.8	709.7	721.2	740.1	752.3	769.1	782.4	797.6	818.9	837.8
12.5°	647.5	661.4	674.9	690.9	708.0	728.2	746.7	763.7	781.7	803.7	825.9
15°	586.1	606.2	627.2	643.4	666.5	687.8	709.4	732.5	754.4	780.7	809.7
17.5°	507.0	530.3	565.6	593.5	620.6	642.0	668.7	696.6	722.4	754.2	786.4
20°	471.3	488.4	512.4	549.9	590.8	613.5	640.8	671.5	701.1	735.7	770.3
22.5°	442.6	457.9	477.1	506.4	552.0	583.0	611.4	642.7	677.0	712.3	750.7
25°	401.7	412.4	432.5	456.1	487.5	538.7	569.7	601.1	638.4	676.3	720.0
27.5°	371.1	380.6	393.7	416.3	439.6	476.3	525.8	559.9	597.1	639.7	685.2
30°	347.6	358.9	373.4	389.3	414.8	443.5	492.8	532.5	569.2	613.0	661.5
32.5°	330.6	339.5	351.8	368.0	389.2	416.7	456.1	504.3	540.0	586.2	636.8
35°	302.6	313.0	323.1	338.4	355.6	380.7	410.6	462.1	497.6	543.1	594.1
37.5°	279.6	286.0	297.1	309.3	327.3	346.1	372.0	418.2	456.6	501.3	553.4
40°	262.1	270.1	278.4	292.0	306.8	324.8	350.2	384.6	428.6	472.5	523.3
42.5°	245.1	255.2	264.0	273.1	289.2	307.3	328.0	357.1	402.1	443.5	493.1
45°	224.5	231.1	240.2	250.3	263.6	279.0	297.3	322.7	365.9	401.7	448.2
47.5°	200.7	210.2	216.1	225.9	238.6	253.3	270.3	292.3	327.3	360.8	403.9
50°	184.3	194.1	202.6	211.5	222.8	236.9	251.1	272.4	300.6	335.8	376.0
52.5°	170.3	179.0	187.3	196.1	207.2	220.1	233.6	252.3	276.4	308.8	347.8
55°	151.1	156.5	165.1	174.0	183.7	196.1	209.1	224.8	245.6	272.7	304.4
57.5°	131.5	137.7	144.5	153.4	163.3	172.9	184.5	198.8	215.1	239.7	266.8
60°	120.4	125.2	130.8	139.9	149.1	157.6	168.9	180.8	196.1	217.5	240.5
62.5°	108.1	112.6	117.7	125.7	134.7	142.5	152.3	164.9	177.9	197.3	217.5
65°	87.5	94.1	99.1	106.2	113.6	121.9	129.6	139.7	151.1	166.5	184.6
67.5°	72.6	75.9	80.6	87.1	94.6	101.7	109.0	116.8	126.8	138.7	153.0
70°	66.0	67.2	68.0	74.2	81.4	88.5	95.2	102.7	111.2	121.0	133.4
72.5°	58.1	59.3	60.4	63.1	68.8	75.9	82.9	88.5	96.6	104.6	114.7
75°	46.2	47.9	48.8	50.3	52.4	57.1	63.6	68.9	73.7	79.9	87.9
77.5°	35.2	36.1	37.1	38.7	39.9	42.1	45.8	50.6	55.1	58.6	64.2
80°	27.8	28.1	29.3	29.9	31.7	33.1	34.9	38.7	43.2	44.7	48.5
82.5°	20.9	21.2	22.2	22.8	23.6	24.9	27.1	28.1	31.6	33.5	36.0
85°	11.6	11.2	12.1	12.1	12.8	13.3	13.9	15.4	16.2	18.6	19.3
87.5°	5.9	5.8	5.9	5.6	5.5	5.7	5.7	5.7	5.9	6.3	7.0
90°	12.0	11.3	10.3	9.3	8.3	7.3	6.1	4.8	3.3	2.0	0.6
92.5°	13.5	13.2	12.7	12.1	11.6	11.2	10.9	11.1	11.2	11.3	11.4
95°	22.7	22.1	21.2	20.4	19.5	18.5	20.2	24.4	28.5	32.7	36.8
97.5°	30.1	29.5	27.6	25.5	23.4	21.4	26.2	37.9	49.7	61.4	73.1
100°	33.3	32.3	30.2	28.0	25.9	23.8	31.3	48.6	65.8	83.0	100.3
102.5°	34.5	33.2	51.1	69.0	86.9	104.8	115.6	119.3	122.9	126.6	130.2
105°	36.0	34.5	68.9	103.3	137.7	172.1	187.4	183.6	179.8	176.0	172.3
107.5°	47.0	48.4	89.6	130.9	172.1	213.3	232.4	229.3	226.3	223.2	220.2
110°	86.6	99.2	135.5	172.0	208.3	244.7	261.6	259.0	256.4	253.7	251.0



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	204.2	250.1	259.1	268.1	277.1	286.1	289.4	287.1	284.7	282.4	280.0
115°	291.4	349.7	346.5	343.3	340.2	337.1	334.4	332.2	330.1	328.0	325.8
117.5°	373.2	387.3	385.1	382.9	380.8	378.6	376.3	373.9	371.5	369.2	366.8
120°	416.8	415.3	413.1	410.8	408.6	406.3	404.3	402.3	400.4	398.5	396.6
122.5°	443.0	442.1	439.7	437.2	434.7	432.2	430.0	428.0	426.0	424.1	422.1
125°	479.7	478.9	476.4	474.0	471.7	469.3	467.2	465.6	464.0	462.3	460.7
127.5°	513.3	511.9	510.2	508.3	506.6	504.8	503.0	501.1	499.4	497.6	495.7
130°	534.6	533.2	531.9	530.4	529.1	527.7	526.0	523.9	522.0	520.0	517.9
132.5°	555.7	554.5	553.2	551.8	550.4	549.0	547.5	545.7	544.1	542.3	540.6
135°	585.5	584.2	583.1	581.9	580.8	579.7	578.1	576.2	574.1	572.1	570.1
137.5°	613.2	612.0	610.7	609.4	608.2	606.9	605.5	604.1	602.7	601.3	599.9
140°	631.3	630.2	628.8	627.4	626.0	624.6	623.4	622.4	621.4	620.4	619.4
142.5°	647.9	646.9	645.3	643.7	642.1	640.6	639.3	638.4	637.5	636.6	635.7
145°	671.3	670.3	668.2	666.1	663.9	661.8	660.8	660.9	661.1	661.2	661.3
147.5°	691.7	691.0	688.9	686.7	684.7	682.5	681.8	682.2	682.7	683.2	683.7
150°	704.0	703.2	701.2	699.2	697.2	695.2	694.6	695.5	696.4	697.3	698.2
152.5°	715.3	714.5	712.6	710.7	708.8	706.9	706.5	707.4	708.4	709.4	710.3
155°	730.6	729.8	728.3	726.8	725.3	723.8	723.7	724.8	725.9	727.1	728.2
157.5°	743.5	742.6	741.5	740.5	739.4	738.3	738.3	739.3	740.2	741.2	742.1
160°	751.1	750.3	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3
162.5°	758.0	757.1	756.5	755.7	755.1	754.5	754.5	755.3	756.1	756.8	757.6
165°	766.4	765.6	765.2	764.9	764.5	764.1	764.2	765.0	765.8	766.5	767.3
167.5°	773.6	772.7	772.4	772.0	771.7	771.3	771.5	772.3	773.0	773.8	774.5
170°	777.2	776.3	776.1	775.9	775.6	775.3	775.6	776.3	777.1	777.8	778.6
172.5°	780.0	779.0	778.8	778.6	778.3	778.1	778.3	779.0	779.8	780.5	781.3
175°	782.9	782.0	781.7	781.5	781.3	781.0	781.3	782.2	783.1	783.9	784.8
177.5°	783.4	782.7	782.6	782.5	782.4	782.3	782.6	783.3	784.0	784.7	785.4
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	856.3	857.1	861.8	864.0	868.2	869.9	871.7	871.2	871.2	872.2	878.8
5°	858.2	864.1	873.0	881.5	889.9	897.0	901.7	906.4	908.2	916.8	924.5
7.5°	855.2	866.0	880.7	893.7	909.4	921.7	931.8	941.0	947.3	959.8	972.6
10°	851.1	866.5	883.0	899.9	921.5	937.8	954.3	967.1	971.2	989.8	1000.5
12.5°	843.0	863.6	884.7	906.6	927.6	950.1	968.3	981.0	995.6	1012.3	1032.0
15°	831.0	854.7	882.2	910.3	940.5	967.7	987.2	1009.4	1025.3	1043.7	1060.8
17.5°	813.7	844.1	879.1	911.6	946.5	975.7	1002.7	1023.9	1035.1	1045.6	1048.2
20°	799.9	832.7	873.9	912.4	947.2	981.0	1007.6	1025.3	1028.3	1028.6	1012.9
22.5°	785.1	822.1	865.1	904.5	946.3	983.8	1004.5	1012.1	1000.4	980.3	950.0
25°	757.6	800.5	850.5	895.5	941.0	976.5	983.7	970.3	929.2	886.0	831.3
27.5°	727.9	776.1	829.7	879.7	928.3	950.3	934.9	886.9	812.9	748.5	670.5
30°	706.2	760.3	812.9	868.9	913.8	923.3	888.1	817.4	731.0	634.0	556.2
32.5°	681.3	738.0	795.9	853.7	891.4	882.1	823.9	736.9	635.6	540.3	466.7
35°	645.8	704.4	766.8	824.7	848.7	808.8	721.8	608.6	505.0	416.0	365.4
37.5°	604.8	668.6	733.5	786.7	785.1	718.4	600.0	483.0	396.0	343.3	307.3
40°	575.7	640.2	710.3	755.3	736.0	649.4	520.9	410.6	347.0	305.0	278.7
42.5°	547.8	612.5	682.1	717.9	684.4	577.9	450.0	363.5	311.0	278.3	256.9
45°	500.3	568.5	633.1	652.9	593.1	475.7	363.8	301.2	266.3	242.0	227.2
47.5°	453.8	521.0	579.9	580.3	499.4	385.8	307.0	260.6	230.8	212.1	201.3
50°	425.4	489.3	538.7	531.0	439.3	343.2	274.5	234.6	209.8	195.3	184.0
52.5°	393.5	455.4	498.2	476.3	388.4	302.0	245.4	211.9	191.3	178.7	168.7
55°	347.0	402.0	432.2	399.1	316.9	251.1	207.4	181.0	165.6	155.0	146.5
57.5°	301.4	346.7	365.8	327.2	260.9	208.3	175.4	155.7	140.4	132.8	128.3
60°	272.7	311.5	324.8	282.3	226.9	182.2	155.3	137.0	125.7	120.7	116.3
62.5°	244.6	276.2	281.8	242.7	197.8	159.5	136.4	120.9	113.4	108.6	104.4
65°	203.0	225.7	223.1	191.7	156.5	126.6	109.7	100.3	94.7	87.9	80.5
67.5°	167.1	181.0	172.6	149.1	119.5	98.4	87.4	80.2	73.3	66.8	65.1
70°	144.3	152.3	143.5	121.9	97.9	82.5	73.7	65.1	60.9	59.5	56.8
72.5°	122.6	125.4	115.8	97.3	79.7	68.4	59.7	54.9	52.7	51.4	49.7
75°	92.0	89.9	81.7	67.2	55.3	47.6	45.0	43.2	41.7	40.6	39.6
77.5°	64.6	61.6	54.2	44.8	38.5	34.9	33.3	32.3	31.6	31.0	30.1
80°	48.5	46.4	39.1	31.9	29.3	27.5	26.6	25.4	25.4	24.9	23.9
82.5°	35.5	33.2	26.8	23.4	21.9	20.9	20.2	19.5	19.3	19.4	18.8
85°	18.6	15.1	13.3	12.8	11.8	11.2	11.6	10.9	10.9	10.9	10.6
87.5°	6.1	5.1	5.2	5.2	5.7	5.9	5.9	6.1	6.5	6.4	6.8
90°	2.0	3.3	4.8	6.1	7.3	8.3	9.3	10.3	11.3	12.0	12.6
92.5°	11.3	11.2	11.1	10.9	11.2	11.6	12.1	12.7	13.2	13.5	13.8
95°	32.7	28.5	24.4	20.2	18.5	19.5	20.4	21.2	22.1	22.7	23.4
97.5°	61.4	49.7	37.9	26.2	21.4	23.4	25.5	27.6	29.5	30.1	30.6
100°	83.0	65.8	48.6	31.3	23.8	25.9	28.0	30.2	32.3	33.3	34.3
102.5°	126.6	122.9	119.3	115.6	104.8	86.9	69.0	51.1	33.2	34.5	35.8
105°	176.0	179.8	183.6	187.4	172.1	137.7	103.3	68.9	34.5	36.0	37.3
107.5°	223.2	226.3	229.3	232.4	213.3	172.1	130.9	89.6	48.4	47.0	45.6
110°	253.7	256.4	259.0	261.6	244.7	208.3	172.0	135.5	99.2	86.6	74.0



TEST NUMBER: P331657-927

CATALOG NUMBER: SA2XXRDIP-C485D725U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.4	284.7	287.1	289.4	286.1	277.1	268.1	259.1	250.1	204.2	158.3
115°	328.0	330.1	332.2	334.4	337.1	340.2	343.3	346.5	349.7	291.4	233.1
117.5°	369.2	371.5	373.9	376.3	378.6	380.8	382.9	385.1	387.3	373.2	359.1
120°	398.5	400.4	402.3	404.3	406.3	408.6	410.8	413.1	415.3	416.8	418.4
122.5°	424.1	426.0	428.0	430.0	432.2	434.7	437.2	439.7	442.1	443.0	443.9
125°	462.3	464.0	465.6	467.2	469.3	471.7	474.0	476.4	478.9	479.7	480.6
127.5°	497.6	499.4	501.1	503.0	504.8	506.6	508.3	510.2	511.9	513.3	514.5
130°	520.0	522.0	523.9	526.0	527.7	529.1	530.4	531.9	533.2	534.6	536.0
132.5°	542.3	544.1	545.7	547.5	549.0	550.4	551.8	553.2	554.5	555.7	556.9
135°	572.1	574.1	576.2	578.1	579.7	580.8	581.9	583.1	584.2	585.5	586.8
137.5°	601.3	602.7	604.1	605.5	606.9	608.2	609.4	610.7	612.0	613.2	614.5
140°	620.4	621.4	622.4	623.4	624.6	626.0	627.4	628.8	630.2	631.3	632.4
142.5°	636.6	637.5	638.4	639.3	640.6	642.1	643.7	645.3	646.9	647.9	649.0
145°	661.2	661.1	660.9	660.8	661.8	663.9	666.1	668.2	670.3	671.3	672.2
147.5°	683.2	682.7	682.2	681.8	682.5	684.7	686.7	688.9	691.0	691.7	692.3
150°	697.3	696.4	695.5	694.6	695.2	697.2	699.2	701.2	703.2	704.0	704.7
152.5°	709.4	708.4	707.4	706.5	706.9	708.8	710.7	712.6	714.5	715.3	716.1
155°	727.1	725.9	724.8	723.7	723.8	725.3	726.8	728.3	729.8	730.6	731.4
157.5°	741.2	740.2	739.3	738.3	738.3	739.4	740.5	741.5	742.6	743.5	744.3
160°	749.5	748.8	748.0	747.3	747.3	748.0	748.8	749.5	750.3	751.1	751.8
162.5°	756.8	756.1	755.3	754.5	754.5	755.1	755.7	756.5	757.1	758.0	758.8
165°	766.5	765.8	765.0	764.2	764.1	764.5	764.9	765.2	765.6	766.4	767.3
167.5°	773.8	773.0	772.3	771.5	771.3	771.7	772.0	772.4	772.7	773.6	774.5
170°	777.8	777.1	776.3	775.6	775.3	775.6	775.9	776.1	776.3	777.2	778.1
172.5°	780.5	779.8	779.0	778.3	778.1	778.3	778.6	778.8	779.0	780.0	780.9
175°	783.9	783.1	782.2	781.3	781.0	781.3	781.5	781.7	782.0	782.9	783.8
177.5°	784.7	784.0	783.3	782.6	782.3	782.4	782.5	782.6	782.7	783.4	784.1
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2	783.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	881.2	884.3	885.7	885.7	887.4	886.7	886.0
5°	931.8	937.5	938.7	944.0	947.8	946.7	947.2
7.5°	982.2	991.3	1000.2	1004.2	1005.0	1007.3	1008.2
10°	1013.2	1020.6	1034.5	1032.5	1042.8	1048.7	1038.9
12.5°	1043.1	1053.0	1062.7	1065.3	1071.2	1073.1	1069.2
15°	1070.0	1075.3	1075.9	1074.4	1076.3	1074.8	1069.1
17.5°	1044.8	1036.2	1018.7	1010.3	1003.8	994.1	990.2
20°	1003.1	977.7	948.2	936.3	922.4	895.2	901.7
22.5°	913.2	884.2	854.7	820.1	803.6	777.8	776.3
25°	773.3	723.3	668.3	629.8	607.4	581.6	570.4
27.5°	601.3	538.3	493.2	470.4	449.6	429.2	428.3
30°	488.1	440.8	405.9	386.3	373.7	365.0	366.9
32.5°	411.5	379.0	355.5	339.3	329.9	323.4	323.3
35°	336.4	314.2	299.0	292.3	285.5	280.7	281.1
37.5°	287.9	274.5	266.1	258.6	254.4	252.1	250.7
40°	263.0	252.1	245.6	241.1	237.6	234.3	233.7
42.5°	243.4	234.3	227.8	224.3	221.0	218.6	218.1
45°	215.9	208.6	202.6	198.8	197.3	195.3	195.3
47.5°	192.1	184.8	180.2	177.8	175.2	173.9	173.8
50°	176.0	170.4	166.3	164.8	162.7	161.8	161.5
52.5°	161.6	157.4	154.4	153.4	152.5	151.4	151.5
55°	142.0	139.7	138.5	137.5	136.1	134.3	135.5
57.5°	125.5	123.5	120.3	117.5	116.1	114.9	115.3
60°	113.9	109.7	105.6	102.3	101.5	98.8	98.8
62.5°	99.3	93.4	88.3	86.5	85.6	84.4	84.1
65°	76.3	74.0	72.8	71.6	71.0	71.0	70.4
67.5°	63.2	62.3	61.0	60.7	60.1	60.0	59.7
70°	55.9	54.7	54.1	53.9	53.2	53.6	52.7
72.5°	48.8	47.8	47.8	47.0	46.7	46.7	46.0
75°	38.4	38.4	38.2	37.9	37.3	37.0	37.3
77.5°	29.5	29.6	29.1	29.1	29.0	29.1	28.8
80°	23.7	23.9	23.7	23.4	23.1	23.4	23.1
82.5°	18.7	18.3	18.2	18.1	18.1	17.9	17.9
85°	10.6	10.9	10.6	10.4	10.4	10.4	10.6
87.5°	6.7	6.8	6.9	7.0	7.0	7.1	6.8
90°	13.2	13.9	14.3	14.6	14.8	15.1	15.3
92.5°	14.1	14.4	14.7	14.8	15.0	15.1	15.3
95°	24.0	24.6	24.9	24.7	24.6	24.5	24.4
97.5°	31.1	31.6	31.9	32.1	32.2	32.4	32.6
100°	35.3	36.4	37.0	37.2	37.5	37.7	37.9
102.5°	37.2	38.4	39.3	39.6	40.0	40.3	40.7
105°	38.7	40.1	41.0	41.6	42.1	42.5	43.1
107.5°	44.1	42.8	42.3	42.8	43.3	43.8	44.3
110°	61.4	48.8	42.8	43.3	43.7	44.3	44.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	112.3	66.4	43.6	44.0	44.4	44.8	45.2
115°	174.8	116.5	82.7	73.7	64.6	55.5	46.5
117.5°	344.9	330.8	308.9	279.1	249.3	219.5	189.7
120°	419.9	421.4	413.7	396.6	379.7	362.7	345.7
122.5°	444.8	445.8	444.6	441.2	437.9	434.7	431.3
125°	481.5	482.4	483.0	483.4	483.8	484.1	484.5
127.5°	515.8	517.1	517.8	517.8	517.9	518.0	518.1
130°	537.4	538.8	539.4	539.3	539.2	539.0	538.9
132.5°	558.1	559.3	559.8	559.7	559.6	559.4	559.3
135°	588.0	589.3	589.8	589.5	589.3	589.0	588.7
137.5°	615.7	617.0	617.3	617.0	616.5	616.1	615.6
140°	633.5	634.7	634.9	634.3	633.7	633.0	632.4
142.5°	650.0	651.0	651.3	650.6	650.0	649.4	648.7
145°	673.0	673.9	674.0	673.4	672.8	672.2	671.5
147.5°	693.0	693.6	693.7	693.2	692.6	692.1	691.6
150°	705.5	706.2	706.3	705.7	705.0	704.4	703.8
152.5°	716.8	717.6	717.6	716.8	715.9	715.1	714.2
155°	732.1	732.9	732.8	731.7	730.8	729.8	728.7
157.5°	745.1	746.0	745.9	745.0	743.9	743.0	742.0
160°	752.6	753.3	753.2	752.3	751.5	750.6	749.7
162.5°	759.6	760.5	760.4	759.3	758.2	757.2	756.1
165°	768.3	769.1	769.1	768.3	767.3	766.4	765.6
167.5°	775.4	776.3	776.1	775.0	773.9	772.7	771.6
170°	779.0	779.9	779.7	778.6	777.4	776.3	775.2
172.5°	781.7	782.6	782.4	781.3	780.2	779.0	777.9
175°	784.7	785.5	785.4	784.1	782.8	781.6	780.3
177.5°	784.8	785.5	785.4	784.5	783.6	782.7	781.8
180°	783.2	783.2	783.2	783.2	783.2	783.2	783.2

(END OF REPORT)