

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: P331665-930

Luminaire Tested: **SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331665-930
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: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

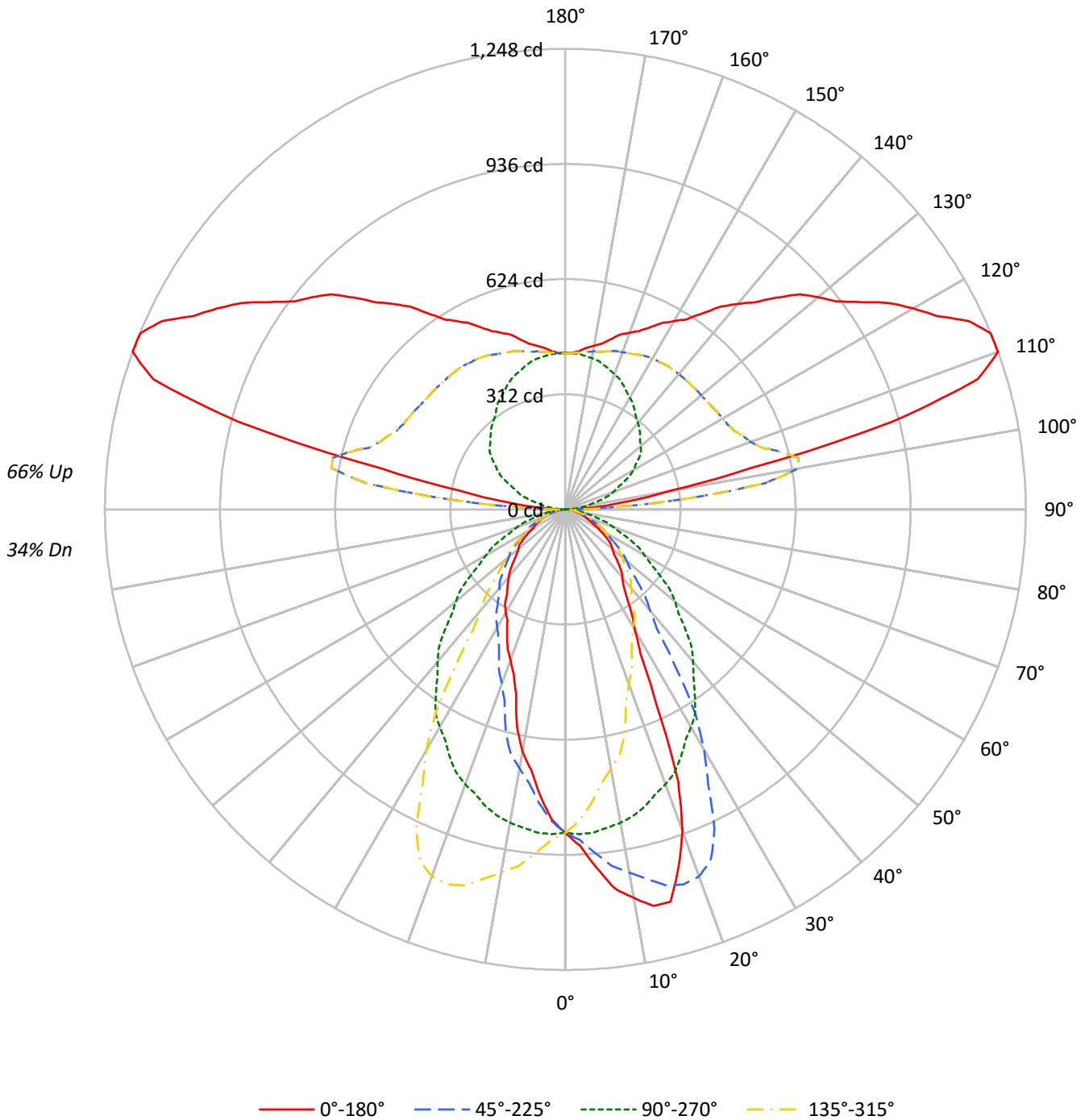
Lumens per Lamp: N/A
Luminaire Lumens: 4462.5 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36	30
2	87	80	74	69	78	72	68	63	58	55	52	45	43	41	34	32	31	26
3	79	71	64	58	72	64	58	54	52	48	45	41	38	36	30	29	27	22
4	73	63	55	50	66	57	51	46	47	42	38	37	34	31	27	25	24	20
5	67	56	49	43	60	51	45	40	42	37	33	33	30	27	25	23	21	18
6	62	51	43	38	56	46	40	35	38	33	29	30	27	24	23	21	19	16
7	57	46	38	33	52	42	35	31	35	30	26	28	24	22	21	19	17	14
8	53	42	34	29	48	38	32	27	32	27	23	25	22	19	20	17	16	13
9	50	38	31	26	45	35	29	24	29	24	21	23	20	18	18	16	14	12
10	46	35	28	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14149	14149	14149	14149
5°	15801	14237	12624	14237
10°	17531	14137	10942	14137
15°	18392	13929	8622	13929
20°	15945	13622	7459	13622
25°	10457	13201	6661	13201
30°	7040	12693	6027	12693
35°	5702	12051	5436	12051
40°	5069	11352	5031	11352
45°	4590	10533	4491	10533
50°	4175	9718	4160	9718
55°	3924	8819	3873	8819
60°	3284	7992	3242	7992
65°	2770	7259	3140	7259
70°	2559	6482	2960	6482
75°	2395	5639	2739	5639
80°	2204	4640	2436	4640
85°	2019	3668	2149	3668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.9
10°-20°	231.5	5.2
20°-30°	298.2	6.7
30°-40°	283.4	6.4
40°-50°	242.8	5.4
50°-60°	184.9	4.1
60°-70°	116.9	2.6
70°-80°	58.4	1.3
80°-90°	19.0	0.4
90°-100°	169.2	3.8
100°-110°	574.1	12.9
110°-120°	609.9	13.7
120°-130°	502.1	11.3
130°-140°	403.2	9.0
140°-150°	304.7	6.8
150°-160°	214.1	4.8
160°-170°	126.0	2.8
170°-180°	41.0	0.9
0°-30°	612.8	13.7
0°-40°	896.2	20.1
0°-60°	1323.9	29.7
0°-90°	1518.2	34.0
90°-120°	1353.2	30.3
90°-150°	2563.1	57.4
90°-180°	2944.0	66.0
0°-180°	4462.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	876	876	876	876	876	
5°	975	878	779	878	975	96
15°	1100	833	516	833	1100	297
25°	587	741	374	741	587	279
35°	289	611	276	611	289	185
45°	201	461	197	461	201	156
55°	139	313	138	313	139	122
65°	72	190	82	190	72	74
75°	38	90	44	90	38	41
85°	11	20	12	20	11	12
90°	27	1	27	1	27	15
95°	93	28	93	28	93	121
105°	917	99	917	99	917	887
115°	1207	175	1207	175	1207	1182
125°	979	244	979	244	979	885
135°	811	286	811	286	811	630
145°	648	327	648	327	648	411
155°	544	372	544	372	544	254
165°	478	405	478	405	478	137
175°	430	422	430	422	430	42
180°	423	423	423	423	423	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	911.8	912.6	913.3	911.6	911.6	910.1	906.9	904.5	897.6	896.7	896.7
5°	974.9	974.3	975.5	971.5	966.0	964.8	959.0	951.5	943.5	934.7	932.9
7.5°	1037.6	1036.7	1034.3	1033.6	1029.4	1020.2	1010.9	1000.9	987.8	974.9	968.5
10°	1069.3	1079.3	1073.3	1062.6	1064.7	1050.4	1042.8	1029.7	1018.7	999.6	995.3
12.5°	1100.4	1104.4	1102.4	1096.4	1093.7	1083.8	1073.5	1062.1	1041.9	1024.7	1009.7
15°	1100.3	1106.1	1107.7	1105.8	1107.3	1106.7	1101.2	1091.8	1074.2	1055.2	1038.9
17.5°	1019.1	1023.1	1033.1	1039.8	1048.4	1066.4	1075.3	1078.8	1076.1	1065.4	1053.8
20°	928.0	921.3	949.3	963.6	975.8	1006.2	1032.4	1042.4	1058.6	1058.3	1055.2
22.5°	798.9	800.5	827.0	844.0	879.6	910.0	939.9	977.7	1008.9	1029.6	1041.6
25°	587.0	598.6	625.1	648.2	687.8	744.4	795.9	855.6	911.8	956.3	998.7
27.5°	440.8	441.7	462.7	484.1	507.6	554.0	618.8	690.1	770.4	836.6	912.8
30°	377.6	375.7	384.6	397.6	417.8	453.6	502.4	572.4	652.5	752.4	841.2
32.5°	332.7	332.8	339.5	349.2	365.8	390.0	423.5	480.3	556.0	654.2	758.4
35°	289.3	288.9	293.8	300.8	307.8	323.3	346.2	376.0	428.1	519.8	626.3
37.5°	258.0	259.4	261.8	266.2	273.9	282.5	296.3	316.3	353.4	407.6	497.1
40°	240.5	241.2	244.5	248.2	252.7	259.4	270.7	286.8	313.9	357.1	422.6
42.5°	224.5	225.0	227.5	230.8	234.4	241.2	250.5	264.4	286.4	320.1	374.1
45°	201.0	201.0	203.1	204.6	208.6	214.7	222.3	233.8	249.1	274.0	310.0
47.5°	178.9	179.0	180.3	183.0	185.5	190.2	197.7	207.2	218.3	237.6	268.2
50°	166.2	166.6	167.5	169.6	171.1	175.4	181.2	189.4	201.0	215.9	241.4
52.5°	156.0	155.8	156.9	157.9	158.9	162.0	166.3	173.6	183.9	196.9	218.1
55°	139.4	138.2	140.1	141.5	142.5	143.7	146.1	150.7	159.6	170.5	186.3
57.5°	118.7	118.2	119.5	120.9	123.8	127.1	129.1	132.1	136.6	144.5	160.2
60°	101.7	101.7	104.4	105.3	108.7	112.9	117.2	119.7	124.3	129.4	141.0
62.5°	86.6	86.8	88.1	89.0	90.9	96.1	102.2	107.5	111.8	116.8	124.4
65°	72.5	73.1	73.1	73.7	74.9	76.1	78.5	82.8	90.4	97.4	103.2
67.5°	61.5	61.7	61.9	62.5	62.8	64.1	65.1	67.0	68.7	75.4	82.6
70°	54.2	55.1	54.8	55.4	55.7	56.3	57.6	58.5	61.2	62.7	67.0
72.5°	47.4	48.0	48.0	48.3	49.2	49.2	50.2	51.1	52.9	54.2	56.5
75°	38.4	38.1	38.4	39.0	39.3	39.5	39.5	40.8	41.7	43.0	44.4
77.5°	29.6	29.9	29.8	29.9	29.9	30.5	30.4	31.0	31.9	32.5	33.3
80°	23.7	24.1	23.7	24.1	24.4	24.6	24.4	24.6	25.6	26.2	26.2
82.5°	18.4	18.4	18.7	18.7	18.8	18.8	19.2	19.3	20.0	19.8	20.1
85°	10.9	10.7	10.7	10.7	10.9	11.3	10.9	10.9	11.3	11.3	11.3
87.5°	9.3	9.5	9.5	9.5	9.5	9.4	9.0	9.6	9.5	9.9	9.5
90°	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0	26.8	27.6	26.8
92.5°	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9	89.4	105.7	104.3
95°	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2	279.1	318.9	282.3
97.5°	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5	571.2	544.5	410.1
100°	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9	760.0	642.8	442.6
102.5°	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7	830.3	646.0	430.3
105°	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6	819.4	602.9	406.0
107.5°	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5	748.0	556.8	394.0
110°	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7	703.0	534.6	391.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6	671.8	520.2	392.0
115°	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3	633.1	504.5	395.4
117.5°	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7	608.6	496.8	401.3
120°	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6	595.7	492.3	405.2
122.5°	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0	584.6	489.7	409.8
125°	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5	568.8	484.9	416.6
127.5°	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3	554.2	482.2	423.6
130°	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0	544.4	480.9	428.8
132.5°	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3	536.5	480.2	434.0
135°	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5	525.6	479.2	440.2
137.5°	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1	518.0	479.1	445.7
140°	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1	513.5	478.4	448.3
142.5°	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0	508.9	478.4	450.3
145°	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1	502.9	476.8	452.4
147.5°	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1	496.7	473.9	453.1
150°	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0	491.5	472.0	452.4
152.5°	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9	486.9	468.7	451.1
155°	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9	478.4	463.0	449.1
157.5°	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3	470.5	457.1	445.4
160°	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2	464.6	453.2	443.4
162.5°	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1	459.4	450.0	441.5
165°	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3	450.8	443.4	437.7
167.5°	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0	442.3	437.7	434.0
170°	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8	437.7	434.5	432.1
172.5°	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9	433.3	430.6	429.5
175°	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7	427.2	426.4	425.6
177.5°	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1	423.8	423.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	897.2	895.3	893.6	889.2	887.0	882.1	881.3	881.1	874.8	868.7	867.0
5°	928.0	923.2	915.8	907.3	898.5	889.3	883.2	878.4	866.2	854.6	847.9
7.5°	959.0	948.6	936.0	919.8	906.4	891.3	880.1	870.0	852.7	836.2	825.0
10°	982.2	965.2	948.4	926.2	908.8	891.8	876.0	862.3	842.8	820.8	805.3
12.5°	996.5	977.8	954.7	933.0	910.5	888.8	867.6	850.0	827.2	804.5	786.0
15°	1016.0	995.9	967.9	936.9	907.9	879.6	855.2	833.3	803.5	776.4	753.8
17.5°	1031.9	1004.2	974.1	938.2	904.7	868.8	837.4	809.3	776.2	743.5	717.0
20°	1037.0	1009.6	974.9	939.0	899.4	857.0	823.3	792.8	757.2	721.5	691.1
22.5°	1033.8	1012.5	973.9	930.9	890.4	846.1	808.0	772.6	733.1	696.8	661.5
25°	1012.4	1005.0	968.5	921.6	875.3	823.9	779.8	741.0	696.0	657.0	618.6
27.5°	962.2	978.0	955.4	905.4	853.9	798.7	749.2	705.2	658.4	614.5	576.3
30°	914.0	950.2	940.4	894.2	836.7	782.4	726.8	680.8	630.9	585.8	548.0
32.5°	848.0	907.8	917.4	878.6	819.1	759.5	701.2	655.4	603.3	555.8	519.0
35°	742.9	832.4	873.5	848.8	789.1	725.0	664.6	611.4	559.0	512.1	475.6
37.5°	617.5	739.4	808.0	809.7	754.9	688.1	622.5	569.6	515.9	469.9	430.4
40°	536.1	668.3	757.5	777.3	731.0	658.8	592.5	538.6	486.2	441.2	395.8
42.5°	463.1	594.8	704.4	738.8	702.1	630.4	563.8	507.4	456.5	413.8	367.5
45°	374.5	489.6	610.4	672.0	651.6	585.1	514.9	461.3	413.4	376.6	332.2
47.5°	315.9	397.1	514.0	597.2	596.8	536.2	467.1	415.7	371.4	336.9	300.8
50°	282.5	353.2	452.2	546.5	554.4	503.6	437.8	386.9	345.6	309.3	280.4
52.5°	252.6	310.8	399.7	490.2	512.7	468.7	405.0	358.0	317.8	284.5	259.7
55°	213.4	258.4	326.1	410.7	444.8	413.8	357.1	313.3	280.7	252.7	231.4
57.5°	180.5	214.3	268.6	336.7	376.4	356.9	310.2	274.6	246.7	221.4	204.6
60°	159.9	187.5	233.5	290.5	334.3	320.6	280.7	247.5	223.8	201.9	186.1
62.5°	140.4	164.2	203.6	249.8	290.0	284.3	251.8	223.9	203.1	183.1	169.7
65°	112.9	130.3	161.0	197.3	229.6	232.3	208.9	190.0	171.4	155.6	143.7
67.5°	89.9	101.3	122.9	153.4	177.7	186.3	171.9	157.5	142.8	130.5	120.3
70°	75.8	85.0	100.8	125.5	147.7	156.8	148.5	137.3	124.5	114.5	105.7
72.5°	61.5	70.4	82.0	100.1	119.2	129.1	126.2	118.1	107.7	99.4	91.1
75°	46.3	49.0	56.9	69.1	84.1	92.5	94.7	90.4	82.2	75.8	70.9
77.5°	34.2	35.9	39.6	46.1	55.8	63.3	66.5	66.0	60.3	56.7	52.1
80°	27.4	28.3	30.2	32.9	40.2	47.8	49.9	49.9	46.0	44.4	39.9
82.5°	20.8	21.5	22.6	24.1	27.6	34.2	36.5	37.0	34.5	32.5	28.9
85°	11.9	11.6	12.1	13.1	13.7	15.5	19.2	19.8	19.2	16.7	15.8
87.5°	8.6	7.7	6.8	6.1	6.0	6.0	6.5	7.3	6.8	6.7	6.5
90°	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8	3.3	6.5	8.2
92.5°	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9	14.3	20.2	23.7
95°	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5	31.7	39.9	47.2
97.5°	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4	50.8	59.4	70.4
100°	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6	65.1	72.4	85.4
102.5°	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6	79.4	86.7	99.8
105°	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3	102.6	108.2	120.4
107.5°	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7	125.3	130.9	142.1
110°	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4	141.6	146.4	157.0



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6	155.9	161.4	171.4
115°	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0	179.0	183.9	193.6
117.5°	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0	201.3	206.2	214.8
120°	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4	215.6	220.5	227.8
122.5°	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1	228.6	233.5	241.5
125°	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1	246.5	251.4	261.2
127.5°	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4	261.7	268.5	279.2
130°	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9	270.1	278.3	289.7
132.5°	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7	278.6	287.4	299.5
135°	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4	289.7	299.5	311.6
137.5°	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5	301.4	311.1	324.2
140°	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0	309.2	318.9	332.0
142.5°	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4	317.0	326.1	339.2
145°	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1	330.4	338.5	350.7
147.5°	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8	343.2	351.0	362.2
150°	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9	352.3	358.8	369.4
152.5°	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0	360.1	366.6	375.9
155°	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9	372.7	377.6	386.5
157.5°	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6	383.4	387.3	395.1
160°	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8	390.6	393.8	400.3
162.5°	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9	396.4	399.7	404.9
165°	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2	404.4	406.0	410.9
167.5°	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1	411.1	412.5	415.6
170°	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6	415.0	415.8	418.2
172.5°	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2	418.2	417.8	420.2
175°	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3	421.5	420.7	422.3
177.5°	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8	422.5	421.8	423.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	863.8	862.1	858.9	854.1	851.2	846.0	842.6	844.6	845.1	844.6	844.1
5°	840.7	834.2	825.4	816.8	808.9	800.5	795.6	793.4	789.1	786.8	785.5
7.5°	812.5	801.5	789.0	774.2	761.6	748.4	741.6	738.3	729.5	724.8	720.6
10°	791.6	774.2	761.7	742.2	730.4	713.1	701.2	701.5	689.6	682.9	678.0
12.5°	768.5	749.4	728.6	711.1	694.6	680.7	666.3	660.6	647.9	641.5	628.4
15°	730.1	707.8	686.0	662.2	645.5	623.9	603.2	577.9	557.5	539.8	534.9
17.5°	688.2	660.7	638.7	610.8	582.1	545.8	521.8	507.1	494.8	485.5	478.6
20°	659.5	631.4	608.1	566.0	527.3	502.6	485.0	473.8	461.0	450.9	445.4
22.5°	629.2	600.1	568.1	521.1	491.1	471.2	455.5	442.5	433.9	426.1	421.1
25°	586.4	554.4	501.7	469.4	445.2	424.4	413.4	405.5	396.4	385.7	380.9
27.5°	541.1	490.2	452.4	428.4	405.2	391.8	381.9	370.1	361.9	357.1	352.0
30°	507.2	456.4	426.9	400.6	384.3	369.3	357.8	351.1	343.2	334.9	331.6
32.5°	469.4	428.8	400.6	378.8	362.1	349.4	340.2	329.4	323.7	318.6	311.6
35°	422.6	391.8	366.0	348.3	332.5	322.1	311.4	305.1	294.7	290.5	287.7
37.5°	382.9	356.2	336.9	318.3	305.7	294.3	287.8	277.6	273.1	267.2	261.4
40°	360.4	334.3	315.8	300.5	286.5	277.9	269.8	261.5	254.9	252.1	245.1
42.5°	337.6	316.3	297.7	281.0	271.7	262.6	252.3	246.2	239.2	234.8	230.5
45°	306.0	287.1	271.3	257.6	247.2	237.8	231.1	221.0	217.1	208.2	204.6
47.5°	278.2	260.7	245.6	232.5	222.4	216.3	206.5	198.6	192.3	186.9	182.2
50°	258.4	243.9	229.3	217.7	208.6	199.7	189.7	185.7	175.9	173.3	170.5
52.5°	240.4	226.6	213.2	201.9	192.7	184.2	175.3	170.2	163.5	160.8	158.8
55°	215.2	201.9	189.1	179.0	169.9	161.0	155.6	149.2	146.1	144.0	141.5
57.5°	189.9	177.9	168.0	157.9	148.7	141.7	135.3	131.5	128.3	125.6	122.6
60°	173.8	162.2	153.4	144.0	134.6	128.8	123.9	119.4	115.7	111.5	110.2
62.5°	156.8	146.7	138.6	129.4	121.2	115.9	111.3	107.0	102.6	96.4	94.7
65°	133.4	125.5	116.9	109.3	102.0	96.9	90.1	85.3	83.4	82.8	82.5
67.5°	112.2	104.7	97.3	89.6	82.9	78.1	74.7	73.9	72.7	72.3	71.5
70°	98.0	91.1	83.7	76.4	70.0	69.1	67.9	66.7	65.1	64.6	63.9
72.5°	85.4	78.1	70.8	65.0	62.2	61.1	59.8	58.6	57.6	57.0	56.7
75°	65.5	58.8	53.9	51.8	50.2	49.3	47.5	46.6	46.0	45.1	44.8
77.5°	47.1	43.4	41.1	39.8	38.2	37.2	36.2	35.2	34.6	34.4	33.9
80°	36.0	34.1	32.6	30.7	30.2	28.9	28.6	27.7	28.0	27.1	27.1
82.5°	27.9	25.6	24.3	23.5	22.8	21.9	21.5	21.1	21.2	20.5	20.5
85°	14.3	13.7	13.1	12.5	12.5	11.6	11.9	11.6	11.6	10.9	10.7
87.5°	6.6	6.8	7.2	8.3	9.3	9.2	9.0	8.6	8.3	8.6	8.6
90°	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0	24.4	26.0	26.8
92.5°	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9	60.9	54.1	49.0
95°	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2	163.5	129.4	111.5
97.5°	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5	407.0	318.9	260.2
100°	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9	642.0	530.5	432.1
102.5°	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7	880.9	799.4	695.0
105°	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6	1080.6	1091.2	1064.3
107.5°	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5	1065.9	1150.6	1189.9
110°	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7	1020.3	1124.5	1191.2



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6	966.4	1077.7	1154.1
115°	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3	892.6	999.2	1083.0
117.5°	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7	832.7	929.4	1008.0
120°	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6	801.5	887.7	961.8
122.5°	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0	775.4	857.1	924.1
125°	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5	741.3	812.9	873.9
127.5°	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3	708.1	775.6	831.9
130°	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0	685.9	750.2	804.0
132.5°	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3	665.1	724.1	774.6
135°	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5	632.3	685.9	731.5
137.5°	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1	606.0	648.7	688.4
140°	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1	589.1	626.6	662.3
142.5°	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0	574.1	606.3	636.3
145°	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1	555.0	580.2	603.7
147.5°	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1	539.3	559.0	576.3
150°	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0	528.9	546.0	560.6
152.5°	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9	520.4	534.9	547.6
155°	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9	507.0	519.1	528.1
157.5°	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3	493.3	503.5	510.5
160°	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2	484.1	493.1	498.8
162.5°	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1	475.6	483.3	487.7
165°	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3	463.0	468.7	472.0
167.5°	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0	451.4	455.3	458.3
170°	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8	444.3	447.5	449.1
172.5°	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9	437.7	440.3	441.3
175°	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7	430.5	431.3	432.1
177.5°	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1	425.1	425.7	425.7
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	841.4	841.9	841.1	841.6	841.1	841.9	841.4	844.1	844.6	845.1	844.6
5°	784.0	780.3	779.8	778.9	779.8	780.3	784.0	785.5	786.8	789.1	793.4
7.5°	715.4	714.9	713.4	711.2	713.4	714.9	715.4	720.6	724.8	729.5	738.3
10°	671.3	669.8	669.5	667.4	669.5	669.8	671.3	678.0	682.9	689.6	701.5
12.5°	619.7	609.9	608.9	603.6	608.9	609.9	619.7	628.4	641.5	647.9	660.6
15°	527.7	525.8	519.8	515.8	519.8	525.8	527.7	534.9	539.8	557.5	577.9
17.5°	475.0	469.0	467.2	466.4	467.2	469.0	475.0	478.6	485.5	494.8	507.1
20°	441.2	435.7	434.8	434.1	434.8	435.7	441.2	445.4	450.9	461.0	473.8
22.5°	417.8	412.1	409.7	407.9	409.7	412.1	417.8	421.1	426.1	433.9	442.5
25°	377.8	375.7	374.5	373.9	374.5	375.7	377.8	380.9	385.7	396.4	405.5
27.5°	346.6	341.9	341.0	339.4	341.0	341.9	346.6	352.0	357.1	361.9	370.1
30°	328.8	327.3	325.1	323.3	325.1	327.3	328.8	331.6	334.9	343.2	351.1
32.5°	307.9	306.6	304.7	303.9	304.7	306.6	307.9	311.6	318.6	323.7	329.4
35°	284.7	280.4	278.6	275.8	278.6	280.4	284.7	287.7	290.5	294.7	305.1
37.5°	260.2	257.9	255.4	256.2	255.4	257.9	260.2	261.4	267.2	273.1	277.6
40°	241.2	239.6	239.0	238.7	239.0	239.6	241.2	245.1	252.1	254.9	261.5
42.5°	226.0	221.8	220.2	220.2	220.2	221.8	226.0	230.5	234.8	239.2	246.2
45°	203.1	199.1	196.4	196.7	196.4	199.1	203.1	204.6	208.2	217.1	221.0
47.5°	179.6	179.4	177.7	178.3	177.7	179.4	179.6	182.2	186.9	192.3	198.6
50°	168.4	166.6	165.3	165.6	165.3	166.6	168.4	170.5	173.3	175.9	185.7
52.5°	157.7	156.0	155.1	156.4	155.1	156.0	157.7	158.8	160.8	163.5	170.2
55°	140.1	138.2	137.9	137.6	137.9	138.2	140.1	141.5	144.0	146.1	149.2
57.5°	120.4	119.2	117.3	116.6	117.3	119.2	120.4	122.6	125.6	128.3	131.5
60°	106.2	103.8	100.8	100.4	100.8	103.8	106.2	110.2	111.5	115.7	119.4
62.5°	93.4	92.9	92.3	92.2	92.3	92.9	93.4	94.7	96.4	102.6	107.0
65°	81.9	81.6	81.9	82.2	81.9	81.6	81.9	82.5	82.8	83.4	85.3
67.5°	71.3	70.8	70.3	70.5	70.3	70.8	71.3	71.5	72.3	72.7	73.9
70°	63.3	63.0	62.7	62.7	62.7	63.0	63.3	63.9	64.6	65.1	66.7
72.5°	55.5	55.4	55.2	55.0	55.2	55.4	55.5	56.7	57.0	57.6	58.6
75°	44.4	43.9	43.9	43.9	43.9	43.9	44.4	44.8	45.1	46.0	46.6
77.5°	33.8	33.6	33.3	33.0	33.3	33.6	33.8	33.9	34.4	34.6	35.2
80°	26.8	26.5	26.2	26.2	26.2	26.5	26.8	27.1	27.1	28.0	27.7
82.5°	20.5	20.1	20.1	19.8	20.1	20.1	20.5	20.5	20.5	21.2	21.1
85°	10.9	11.3	10.9	11.6	10.9	11.3	10.9	10.7	10.9	11.6	11.6
87.5°	8.6	8.3	8.6	8.3	8.6	8.3	8.6	8.6	8.6	8.3	8.6
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0
92.5°	48.3	45.7	46.4	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9
95°	100.9	94.4	92.0	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2
97.5°	221.4	201.3	189.4	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5
100°	364.5	329.5	306.0	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9
102.5°	621.7	561.9	532.5	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7
105°	1013.8	963.4	928.4	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6
107.5°	1196.3	1193.5	1186.5	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5
110°	1226.2	1241.7	1249.0	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1202.8	1228.7	1242.5	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6
115°	1140.8	1178.2	1199.4	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3
117.5°	1066.9	1106.4	1128.8	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7
120°	1018.7	1057.0	1080.6	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6
122.5°	975.1	1012.7	1033.7	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0
125°	921.1	952.0	972.3	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5
127.5°	873.1	902.0	919.7	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3
130°	843.8	871.5	887.7	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0
132.5°	813.8	841.6	856.5	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3
135°	766.5	793.4	808.0	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5
137.5°	720.3	743.4	756.3	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1
140°	688.4	709.6	721.8	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1
142.5°	661.0	680.3	691.1	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0
145°	623.3	637.2	645.2	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1
147.5°	592.4	603.4	608.9	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1
150°	572.8	582.6	587.5	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0
152.5°	557.2	565.7	569.2	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9
155°	537.0	542.7	546.0	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9
157.5°	516.8	521.5	523.0	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3
160°	504.5	508.6	509.4	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2
162.5°	493.4	496.2	497.0	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1
165°	475.2	478.4	478.4	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3
167.5°	459.7	461.5	461.4	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0
170°	450.0	452.4	451.6	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8
172.5°	442.1	443.3	442.5	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9
175°	432.1	432.9	432.1	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7
177.5°	425.7	425.7	425.1	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331665-930
 CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	842.6	846.0	851.2	854.1	858.9	862.1	863.8	867.0	868.7	874.8	881.1
5°	795.6	800.5	808.9	816.8	825.4	834.2	840.7	847.9	854.6	866.2	878.4
7.5°	741.6	748.4	761.6	774.2	789.0	801.5	812.5	825.0	836.2	852.7	870.0
10°	701.2	713.1	730.4	742.2	761.7	774.2	791.6	805.3	820.8	842.8	862.3
12.5°	666.3	680.7	694.6	711.1	728.6	749.4	768.5	786.0	804.5	827.2	850.0
15°	603.2	623.9	645.5	662.2	686.0	707.8	730.1	753.8	776.4	803.5	833.3
17.5°	521.8	545.8	582.1	610.8	638.7	660.7	688.2	717.0	743.5	776.2	809.3
20°	485.0	502.6	527.3	566.0	608.1	631.4	659.5	691.1	721.5	757.2	792.8
22.5°	455.5	471.2	491.1	521.1	568.1	600.1	629.2	661.5	696.8	733.1	772.6
25°	413.4	424.4	445.2	469.4	501.7	554.4	586.4	618.6	657.0	696.0	741.0
27.5°	381.9	391.8	405.2	428.4	452.4	490.2	541.1	576.3	614.5	658.4	705.2
30°	357.8	369.3	384.3	400.6	426.9	456.4	507.2	548.0	585.8	630.9	680.8
32.5°	340.2	349.4	362.1	378.8	400.6	428.8	469.4	519.0	555.8	603.3	655.4
35°	311.4	322.1	332.5	348.3	366.0	391.8	422.6	475.6	512.1	559.0	611.4
37.5°	287.8	294.3	305.7	318.3	336.9	356.2	382.9	430.4	469.9	515.9	569.6
40°	269.8	277.9	286.5	300.5	315.8	334.3	360.4	395.8	441.2	486.2	538.6
42.5°	252.3	262.6	271.7	281.0	297.7	316.3	337.6	367.5	413.8	456.5	507.4
45°	231.1	237.8	247.2	257.6	271.3	287.1	306.0	332.2	376.6	413.4	461.3
47.5°	206.5	216.3	222.4	232.5	245.6	260.7	278.2	300.8	336.9	371.4	415.7
50°	189.7	199.7	208.6	217.7	229.3	243.9	258.4	280.4	309.3	345.6	386.9
52.5°	175.3	184.2	192.7	201.9	213.2	226.6	240.4	259.7	284.5	317.8	358.0
55°	155.6	161.0	169.9	179.0	189.1	201.9	215.2	231.4	252.7	280.7	313.3
57.5°	135.3	141.7	148.7	157.9	168.0	177.9	189.9	204.6	221.4	246.7	274.6
60°	123.9	128.8	134.6	144.0	153.4	162.2	173.8	186.1	201.9	223.8	247.5
62.5°	111.3	115.9	121.2	129.4	138.6	146.7	156.8	169.7	183.1	203.1	223.9
65°	90.1	96.9	102.0	109.3	116.9	125.5	133.4	143.7	155.6	171.4	190.0
67.5°	74.7	78.1	82.9	89.6	97.3	104.7	112.2	120.3	130.5	142.8	157.5
70°	67.9	69.1	70.0	76.4	83.7	91.1	98.0	105.7	114.5	124.5	137.3
72.5°	59.8	61.1	62.2	65.0	70.8	78.1	85.4	91.1	99.4	107.7	118.1
75°	47.5	49.3	50.2	51.8	53.9	58.8	65.5	70.9	75.8	82.2	90.4
77.5°	36.2	37.2	38.2	39.8	41.1	43.4	47.1	52.1	56.7	60.3	66.0
80°	28.6	28.9	30.2	30.7	32.6	34.1	36.0	39.9	44.4	46.0	49.9
82.5°	21.5	21.9	22.8	23.5	24.3	25.6	27.9	28.9	32.5	34.5	37.0
85°	11.9	11.6	12.5	12.5	13.1	13.7	14.3	15.8	16.7	19.2	19.8
87.5°	9.0	9.2	9.3	8.3	7.2	6.8	6.6	6.5	6.7	6.8	7.3
90°	26.8	27.6	26.8	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8
92.5°	89.4	105.7	104.3	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9
95°	279.1	318.9	282.3	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5
97.5°	571.2	544.5	410.1	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4
100°	760.0	642.8	442.6	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6
102.5°	830.3	646.0	430.3	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6
105°	819.4	602.9	406.0	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3
107.5°	748.0	556.8	394.0	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7
110°	703.0	534.6	391.4	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	671.8	520.2	392.0	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6
115°	633.1	504.5	395.4	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0
117.5°	608.6	496.8	401.3	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0
120°	595.7	492.3	405.2	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4
122.5°	584.6	489.7	409.8	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1
125°	568.8	484.9	416.6	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1
127.5°	554.2	482.2	423.6	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4
130°	544.4	480.9	428.8	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9
132.5°	536.5	480.2	434.0	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7
135°	525.6	479.2	440.2	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4
137.5°	518.0	479.1	445.7	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5
140°	513.5	478.4	448.3	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0
142.5°	508.9	478.4	450.3	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4
145°	502.9	476.8	452.4	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1
147.5°	496.7	473.9	453.1	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8
150°	491.5	472.0	452.4	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9
152.5°	486.9	468.7	451.1	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0
155°	478.4	463.0	449.1	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9
157.5°	470.5	457.1	445.4	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6
160°	464.6	453.2	443.4	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8
162.5°	459.4	450.0	441.5	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9
165°	450.8	443.4	437.7	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2
167.5°	442.3	437.7	434.0	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1
170°	437.7	434.5	432.1	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6
172.5°	433.3	430.6	429.5	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2
175°	427.2	426.4	425.6	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3
177.5°	423.8	423.1	423.8	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	881.3	882.1	887.0	889.2	893.6	895.3	897.2	896.7	896.7	897.6	904.5
5°	883.2	889.3	898.5	907.3	915.8	923.2	928.0	932.9	934.7	943.5	951.5
7.5°	880.1	891.3	906.4	919.8	936.0	948.6	959.0	968.5	974.9	987.8	1000.9
10°	876.0	891.8	908.8	926.2	948.4	965.2	982.2	995.3	999.6	1018.7	1029.7
12.5°	867.6	888.8	910.5	933.0	954.7	977.8	996.5	1009.7	1024.7	1041.9	1062.1
15°	855.2	879.6	907.9	936.9	967.9	995.9	1016.0	1038.9	1055.2	1074.2	1091.8
17.5°	837.4	868.8	904.7	938.2	974.1	1004.2	1031.9	1053.8	1065.4	1076.1	1078.8
20°	823.3	857.0	899.4	939.0	974.9	1009.6	1037.0	1055.2	1058.3	1058.6	1042.4
22.5°	808.0	846.1	890.4	930.9	973.9	1012.5	1033.8	1041.6	1029.6	1008.9	977.7
25°	779.8	823.9	875.3	921.6	968.5	1005.0	1012.4	998.7	956.3	911.8	855.6
27.5°	749.2	798.7	853.9	905.4	955.4	978.0	962.2	912.8	836.6	770.4	690.1
30°	726.8	782.4	836.7	894.2	940.4	950.2	914.0	841.2	752.4	652.5	572.4
32.5°	701.2	759.5	819.1	878.6	917.4	907.8	848.0	758.4	654.2	556.0	480.3
35°	664.6	725.0	789.1	848.8	873.5	832.4	742.9	626.3	519.8	428.1	376.0
37.5°	622.5	688.1	754.9	809.7	808.0	739.4	617.5	497.1	407.6	353.4	316.3
40°	592.5	658.8	731.0	777.3	757.5	668.3	536.1	422.6	357.1	313.9	286.8
42.5°	563.8	630.4	702.1	738.8	704.4	594.8	463.1	374.1	320.1	286.4	264.4
45°	514.9	585.1	651.6	672.0	610.4	489.6	374.5	310.0	274.0	249.1	233.8
47.5°	467.1	536.2	596.8	597.2	514.0	397.1	315.9	268.2	237.6	218.3	207.2
50°	437.8	503.6	554.4	546.5	452.2	353.2	282.5	241.4	215.9	201.0	189.4
52.5°	405.0	468.7	512.7	490.2	399.7	310.8	252.6	218.1	196.9	183.9	173.6
55°	357.1	413.8	444.8	410.7	326.1	258.4	213.4	186.3	170.5	159.6	150.7
57.5°	310.2	356.9	376.4	336.7	268.6	214.3	180.5	160.2	144.5	136.6	132.1
60°	280.7	320.6	334.3	290.5	233.5	187.5	159.9	141.0	129.4	124.3	119.7
62.5°	251.8	284.3	290.0	249.8	203.6	164.2	140.4	124.4	116.8	111.8	107.5
65°	208.9	232.3	229.6	197.3	161.0	130.3	112.9	103.2	97.4	90.4	82.8
67.5°	171.9	186.3	177.7	153.4	122.9	101.3	89.9	82.6	75.4	68.7	67.0
70°	148.5	156.8	147.7	125.5	100.8	85.0	75.8	67.0	62.7	61.2	58.5
72.5°	126.2	129.1	119.2	100.1	82.0	70.4	61.5	56.5	54.2	52.9	51.1
75°	94.7	92.5	84.1	69.1	56.9	49.0	46.3	44.4	43.0	41.7	40.8
77.5°	66.5	63.3	55.8	46.1	39.6	35.9	34.2	33.3	32.5	31.9	31.0
80°	49.9	47.8	40.2	32.9	30.2	28.3	27.4	26.2	26.2	25.6	24.6
82.5°	36.5	34.2	27.6	24.1	22.6	21.5	20.8	20.1	19.8	20.0	19.3
85°	19.2	15.5	13.7	13.1	12.1	11.6	11.9	11.3	11.3	11.3	10.9
87.5°	6.5	6.0	6.0	6.1	6.8	7.7	8.6	9.5	9.9	9.5	9.6
90°	3.3	6.5	8.2	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0
92.5°	14.3	20.2	23.7	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9
95°	31.7	39.9	47.2	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2
97.5°	50.8	59.4	70.4	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5
100°	65.1	72.4	85.4	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9
102.5°	79.4	86.7	99.8	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7
105°	102.6	108.2	120.4	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6
107.5°	125.3	130.9	142.1	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5
110°	141.6	146.4	157.0	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7



TEST NUMBER: P331665-930

CATALOG NUMBER: SA2XXRDIP-C485D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.9	161.4	171.4	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6
115°	179.0	183.9	193.6	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3
117.5°	201.3	206.2	214.8	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7
120°	215.6	220.5	227.8	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6
122.5°	228.6	233.5	241.5	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0
125°	246.5	251.4	261.2	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5
127.5°	261.7	268.5	279.2	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3
130°	270.1	278.3	289.7	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0
132.5°	278.6	287.4	299.5	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3
135°	289.7	299.5	311.6	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5
137.5°	301.4	311.1	324.2	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1
140°	309.2	318.9	332.0	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1
142.5°	317.0	326.1	339.2	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0
145°	330.4	338.5	350.7	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1
147.5°	343.2	351.0	362.2	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1
150°	352.3	358.8	369.4	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0
152.5°	360.1	366.6	375.9	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9
155°	372.7	377.6	386.5	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9
157.5°	383.4	387.3	395.1	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3
160°	390.6	393.8	400.3	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2
162.5°	396.4	399.7	404.9	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1
165°	404.4	406.0	410.9	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3
167.5°	411.1	412.5	415.6	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0
170°	415.0	415.8	418.2	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8
172.5°	418.2	417.8	420.2	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9
175°	421.5	420.7	422.3	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7
177.5°	422.5	421.8	423.1	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	906.9	910.1	911.6	911.6	913.3	912.6	911.8
5°	959.0	964.8	966.0	971.5	975.5	974.3	974.9
7.5°	1010.9	1020.2	1029.4	1033.6	1034.3	1036.7	1037.6
10°	1042.8	1050.4	1064.7	1062.6	1073.3	1079.3	1069.3
12.5°	1073.5	1083.8	1093.7	1096.4	1102.4	1104.4	1100.4
15°	1101.2	1106.7	1107.3	1105.8	1107.7	1106.1	1100.3
17.5°	1075.3	1066.4	1048.4	1039.8	1033.1	1023.1	1019.1
20°	1032.4	1006.2	975.8	963.6	949.3	921.3	928.0
22.5°	939.9	910.0	879.6	844.0	827.0	800.5	798.9
25°	795.9	744.4	687.8	648.2	625.1	598.6	587.0
27.5°	618.8	554.0	507.6	484.1	462.7	441.7	440.8
30°	502.4	453.6	417.8	397.6	384.6	375.7	377.6
32.5°	423.5	390.0	365.8	349.2	339.5	332.8	332.7
35°	346.2	323.3	307.8	300.8	293.8	288.9	289.3
37.5°	296.3	282.5	273.9	266.2	261.8	259.4	258.0
40°	270.7	259.4	252.7	248.2	244.5	241.2	240.5
42.5°	250.5	241.2	234.4	230.8	227.5	225.0	224.5
45°	222.3	214.7	208.6	204.6	203.1	201.0	201.0
47.5°	197.7	190.2	185.5	183.0	180.3	179.0	178.9
50°	181.2	175.4	171.1	169.6	167.5	166.6	166.2
52.5°	166.3	162.0	158.9	157.9	156.9	155.8	156.0
55°	146.1	143.7	142.5	141.5	140.1	138.2	139.4
57.5°	129.1	127.1	123.8	120.9	119.5	118.2	118.7
60°	117.2	112.9	108.7	105.3	104.4	101.7	101.7
62.5°	102.2	96.1	90.9	89.0	88.1	86.8	86.6
65°	78.5	76.1	74.9	73.7	73.1	73.1	72.5
67.5°	65.1	64.1	62.8	62.5	61.9	61.7	61.5
70°	57.6	56.3	55.7	55.4	54.8	55.1	54.2
72.5°	50.2	49.2	49.2	48.3	48.0	48.0	47.4
75°	39.5	39.5	39.3	39.0	38.4	38.1	38.4
77.5°	30.4	30.5	29.9	29.9	29.8	29.9	29.6
80°	24.4	24.6	24.4	24.1	23.7	24.1	23.7
82.5°	19.2	18.8	18.8	18.7	18.7	18.4	18.4
85°	10.9	11.3	10.9	10.7	10.7	10.7	10.9
87.5°	9.0	9.4	9.5	9.5	9.5	9.5	9.3
90°	24.4	26.0	26.8	26.8	26.8	26.8	26.8
92.5°	60.9	54.1	49.0	48.3	45.7	46.4	45.1
95°	163.5	129.4	111.5	100.9	94.4	92.0	92.8
97.5°	407.0	318.9	260.2	221.4	201.3	189.4	182.6
100°	642.0	530.5	432.1	364.5	329.5	306.0	291.3
102.5°	880.9	799.4	695.0	621.7	561.9	532.5	512.7
105°	1080.6	1091.2	1064.3	1013.8	963.4	928.4	917.0
107.5°	1065.9	1150.6	1189.9	1196.3	1193.5	1186.5	1171.4
110°	1020.3	1124.5	1191.2	1226.2	1241.7	1249.0	1248.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	966.4	1077.7	1154.1	1202.8	1228.7	1242.5	1246.9
115°	892.6	999.2	1083.0	1140.8	1178.2	1199.4	1206.7
117.5°	832.7	929.4	1008.0	1066.9	1106.4	1128.8	1134.9
120°	801.5	887.7	961.8	1018.7	1057.0	1080.6	1088.8
122.5°	775.4	857.1	924.1	975.1	1012.7	1033.7	1040.6
125°	741.3	812.9	873.9	921.1	952.0	972.3	978.8
127.5°	708.1	775.6	831.9	873.1	902.0	919.7	924.9
130°	685.9	750.2	804.0	843.8	871.5	887.7	894.2
132.5°	665.1	724.1	774.6	813.8	841.6	856.5	862.3
135°	632.3	685.9	731.5	766.5	793.4	808.0	811.2
137.5°	606.0	648.7	688.4	720.3	743.4	756.3	761.2
140°	589.1	626.6	662.3	688.4	709.6	721.8	726.6
142.5°	574.1	606.3	636.3	661.0	680.3	691.1	692.1
145°	555.0	580.2	603.7	623.3	637.2	645.2	647.7
147.5°	539.3	559.0	576.3	592.4	603.4	608.9	610.4
150°	528.9	546.0	560.6	572.8	582.6	587.5	588.3
152.5°	520.4	534.9	547.6	557.2	565.7	569.2	569.4
155°	507.0	519.1	528.1	537.0	542.7	546.0	544.4
157.5°	493.3	503.5	510.5	516.8	521.5	523.0	523.0
160°	484.1	493.1	498.8	504.5	508.6	509.4	509.4
162.5°	475.6	483.3	487.7	493.4	496.2	497.0	496.4
165°	463.0	468.7	472.0	475.2	478.4	478.4	477.6
167.5°	451.4	455.3	458.3	459.7	461.5	461.4	460.4
170°	444.3	447.5	449.1	450.0	452.4	451.6	450.0
172.5°	437.7	440.3	441.3	442.1	443.3	442.5	441.5
175°	430.5	431.3	432.1	432.1	432.9	432.1	430.5
177.5°	425.1	425.7	425.7	425.7	425.7	425.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1

(END OF REPORT)