

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: P331665-935

Luminaire Tested: **SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331665-935
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-C485D925U935-4F0-1E-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

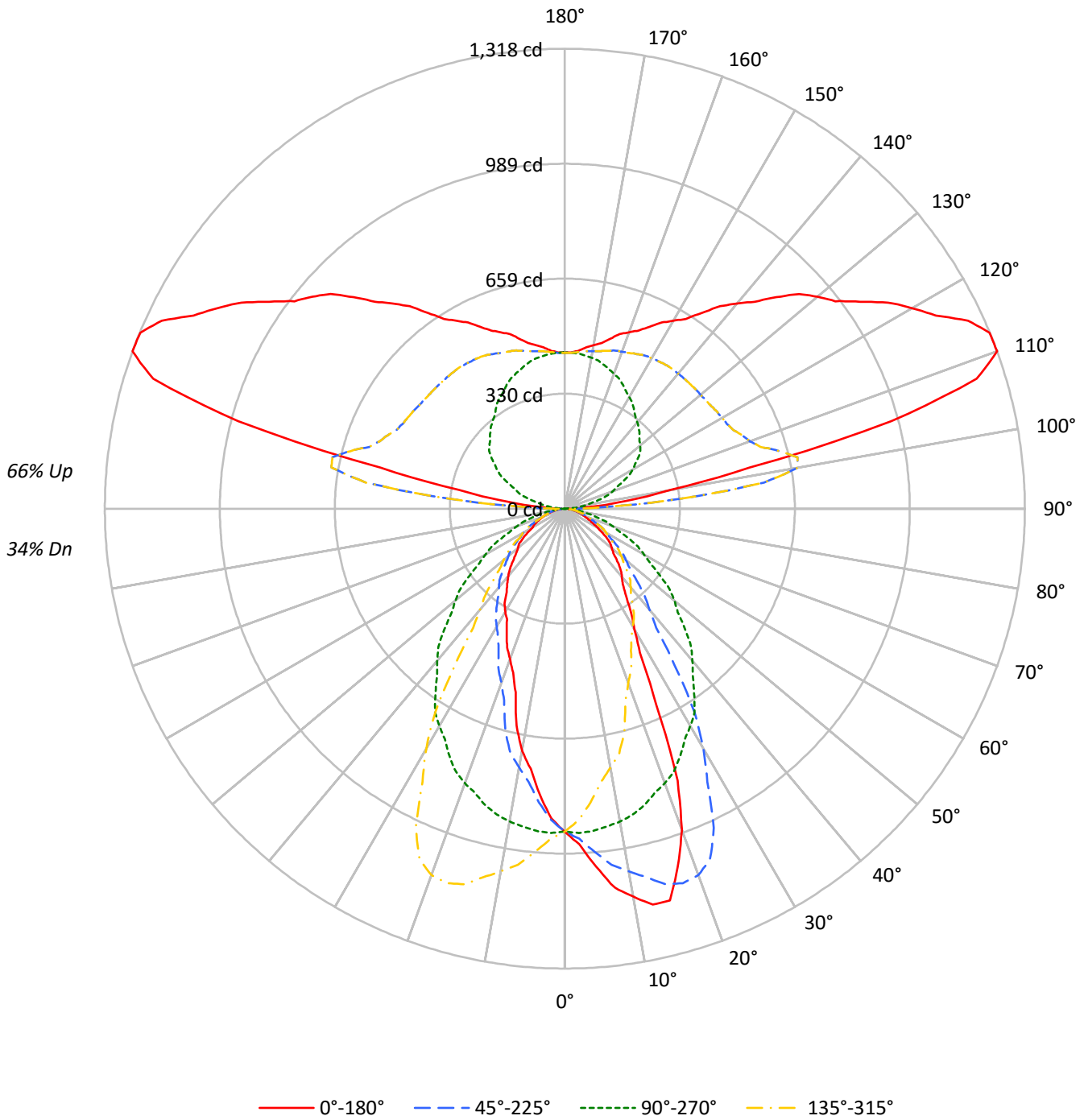
Lumens per Lamp: N/A
Luminaire Lumens: 4712.7 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

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°	14941	14941	14941	14941
5°	16686	15034	13331	15034
10°	18513	14929	11555	14929
15°	19423	14710	9105	14710
20°	16838	14385	7878	14385
25°	11043	13942	7035	13942
30°	7433	13403	6367	13403
35°	6022	12727	5742	12727
40°	5354	11989	5313	11989
45°	4845	11125	4743	11125
50°	4411	10263	4393	10263
55°	4144	9315	4090	9315
60°	3468	8441	3426	8441
65°	2923	7664	3316	7664
70°	2705	6845	3125	6845
75°	2533	5958	2888	5958
80°	2334	4900	2566	4900
85°	2130	3872	2260	3872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	1.9
10°-20°	244.4	5.2
20°-30°	315.0	6.7
30°-40°	299.3	6.4
40°-50°	256.4	5.4
50°-60°	195.3	4.1
60°-70°	123.4	2.6
70°-80°	61.6	1.3
80°-90°	20.1	0.4
90°-100°	178.7	3.8
100°-110°	606.3	12.9
110°-120°	644.1	13.7
120°-130°	530.2	11.3
130°-140°	425.8	9.0
140°-150°	321.8	6.8
150°-160°	226.1	4.8
160°-170°	133.1	2.8
170°-180°	43.3	0.9
0°-30°	647.1	13.7
0°-40°	946.4	20.1
0°-60°	1398.1	29.7
0°-90°	1603.3	34.0
90°-120°	1429.1	30.3
90°-150°	2706.8	57.4
90°-180°	3109.0	66.0
0°-180°	4712.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	1030	928	822	928	1030	102
15°	1162	880	545	880	1162	313
25°	620	783	395	783	620	294
35°	306	646	291	646	306	195
45°	212	487	208	487	212	164
55°	147	331	145	331	147	129
65°	76	201	87	201	76	78
75°	41	96	46	96	41	43
85°	12	21	12	21	12	13
90°	28	1	28	1	28	16
95°	98	30	98	30	98	127
105°	968	105	968	105	968	937
115°	1274	185	1274	185	1274	1248
125°	1034	258	1034	258	1034	934
135°	857	302	857	302	857	666
145°	684	345	684	345	684	434
155°	575	393	575	393	575	268
165°	504	428	504	428	504	144
175°	455	446	455	446	455	44
180°	447	447	447	447	447	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	962.9	963.7	964.5	962.7	962.7	961.1	957.8	955.2	948.0	946.9	946.9
5°	1029.5	1028.9	1030.2	1026.0	1020.2	1018.9	1012.8	1004.8	996.4	987.1	985.2
7.5°	1095.8	1094.8	1092.3	1091.5	1087.1	1077.4	1067.6	1057.0	1043.2	1029.6	1022.8
10°	1129.2	1139.8	1133.4	1122.1	1124.4	1109.3	1101.2	1087.4	1075.8	1055.6	1051.1
12.5°	1162.1	1166.3	1164.2	1157.9	1155.0	1144.5	1133.7	1121.6	1100.3	1082.1	1066.3
15°	1162.0	1168.1	1169.8	1167.8	1169.4	1168.7	1163.0	1153.0	1134.4	1114.4	1097.1
17.5°	1076.2	1080.5	1091.0	1098.1	1107.2	1126.2	1135.6	1139.3	1136.4	1125.1	1112.8
20°	980.0	972.9	1002.5	1017.6	1030.5	1062.6	1090.3	1100.9	1117.9	1117.7	1114.4
22.5°	843.7	845.3	873.4	891.3	928.9	961.0	992.6	1032.5	1065.5	1087.3	1100.0
25°	619.9	632.1	660.1	684.5	726.3	786.2	840.5	903.5	962.9	1010.0	1054.6
27.5°	465.5	466.5	488.6	511.3	536.1	585.0	653.5	728.8	813.6	883.5	964.0
30°	398.7	396.7	406.1	419.9	441.2	479.1	530.5	604.5	689.1	794.5	888.4
32.5°	351.4	351.5	358.5	368.8	386.3	411.9	447.2	507.2	587.2	690.9	800.9
35°	305.5	305.1	310.3	317.7	325.0	341.5	365.6	397.1	452.1	548.9	661.4
37.5°	272.5	274.0	276.5	281.1	289.2	298.3	312.9	334.0	373.2	430.4	525.0
40°	254.0	254.7	258.2	262.1	266.9	274.0	285.9	302.9	331.5	377.1	446.3
42.5°	237.0	237.6	240.2	243.7	247.5	254.7	264.5	279.2	302.5	338.0	395.1
45°	212.2	212.2	214.5	216.0	220.2	226.7	234.7	246.9	263.0	289.4	327.4
47.5°	188.9	189.0	190.5	193.2	195.9	200.9	208.8	218.8	230.5	250.9	283.3
50°	175.6	175.9	176.8	179.1	180.7	185.2	191.3	200.0	212.2	228.0	254.9
52.5°	164.7	164.5	165.7	166.8	167.8	171.1	175.6	183.3	194.2	207.9	230.3
55°	147.2	145.9	147.9	149.5	150.5	151.8	154.3	159.2	168.5	180.0	196.7
57.5°	125.4	124.8	126.2	127.7	130.7	134.2	136.4	139.5	144.3	152.6	169.2
60°	107.4	107.4	110.3	111.2	114.8	119.2	123.8	126.4	131.2	136.6	148.9
62.5°	91.4	91.7	93.1	94.0	96.0	101.5	107.9	113.5	118.0	123.3	131.4
65°	76.5	77.1	77.1	77.8	79.1	80.4	82.9	87.5	95.5	102.9	109.0
67.5°	64.9	65.2	65.3	66.0	66.3	67.7	68.7	70.8	72.6	79.6	87.2
70°	57.3	58.2	57.9	58.5	58.8	59.5	60.8	61.7	64.7	66.2	70.8
72.5°	50.0	50.7	50.7	51.1	51.9	52.0	53.0	54.0	55.9	57.3	59.7
75°	40.6	40.2	40.6	41.2	41.5	41.8	41.8	43.0	44.1	45.4	46.9
77.5°	31.3	31.6	31.5	31.6	31.6	32.2	32.1	32.7	33.7	34.4	35.1
80°	25.1	25.4	25.1	25.4	25.7	26.0	25.7	26.0	27.0	27.6	27.6
82.5°	19.5	19.5	19.7	19.7	19.8	19.9	20.3	20.4	21.1	20.9	21.2
85°	11.5	11.3	11.3	11.3	11.5	11.9	11.5	11.5	11.9	11.9	11.9
87.5°	9.8	10.1	10.1	10.1	10.1	9.9	9.6	10.2	10.1	10.5	10.1
90°	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5	28.3	29.2	28.3
92.5°	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9	94.4	111.7	110.1
95°	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2	294.7	336.8	298.2
97.5°	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4	603.2	575.1	433.1
100°	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5	802.6	678.8	467.4
102.5°	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3	876.8	682.3	454.4
105°	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0	865.3	636.7	428.8
107.5°	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5	789.9	588.0	416.0
110°	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8	742.4	564.6	413.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9	709.5	549.4	414.0
115°	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3	668.6	532.8	417.6
117.5°	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2	642.7	524.7	423.8
120°	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9	629.0	519.9	427.9
122.5°	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3	617.3	517.1	432.7
125°	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3	600.6	512.1	440.0
127.5°	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7	585.2	509.2	447.4
130°	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5	574.9	507.8	452.9
132.5°	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0	566.6	507.1	458.3
135°	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0	555.1	506.1	464.9
137.5°	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5	547.0	505.9	470.7
140°	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9	542.3	505.2	473.5
142.5°	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3	537.4	505.2	475.5
145°	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7	531.1	503.5	477.8
147.5°	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2	524.5	500.5	478.5
150°	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7	519.0	498.4	477.8
152.5°	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1	514.2	495.0	476.4
155°	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6	505.2	489.0	474.3
157.5°	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4	496.9	482.8	470.4
160°	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8	490.7	478.6	468.3
162.5°	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3	485.2	475.2	466.2
165°	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9	476.0	468.3	462.3
167.5°	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1	467.1	462.3	458.3
170°	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6	462.3	458.8	456.3
172.5°	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4	457.5	454.8	453.6
175°	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7	451.2	450.3	449.4
177.5°	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9	447.5	446.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	947.4	945.5	943.7	939.0	936.7	931.5	930.7	930.5	923.9	917.4	915.6
5°	980.0	974.9	967.2	958.1	948.8	939.2	932.7	927.6	914.7	902.5	895.4
7.5°	1012.8	1001.8	988.4	971.4	957.2	941.2	929.4	918.8	900.5	883.0	871.2
10°	1037.2	1019.3	1001.6	978.1	959.8	941.8	925.1	910.6	890.0	866.9	850.4
12.5°	1052.4	1032.6	1008.2	985.3	961.6	938.7	916.3	897.7	873.6	849.6	830.1
15°	1073.0	1051.7	1022.2	989.4	958.8	928.9	903.2	880.0	848.5	819.9	796.1
17.5°	1089.8	1060.5	1028.7	990.8	955.5	917.5	884.3	854.7	819.7	785.1	757.2
20°	1095.1	1066.2	1029.5	991.6	949.8	905.1	869.4	837.2	799.6	762.0	729.9
22.5°	1091.7	1069.3	1028.5	983.1	940.3	893.5	853.3	815.9	774.2	735.8	698.5
25°	1069.1	1061.4	1022.8	973.3	924.4	870.0	823.5	782.6	735.0	693.9	653.3
27.5°	1016.2	1032.9	1008.9	956.1	901.8	843.5	791.2	744.7	695.3	648.9	608.6
30°	965.3	1003.5	993.2	944.3	883.6	826.3	767.5	718.9	666.2	618.6	578.8
32.5°	895.5	958.7	968.8	927.9	865.0	802.1	740.5	692.2	637.1	586.9	548.1
35°	784.5	879.1	922.5	896.4	833.4	765.6	701.9	645.7	590.3	540.8	502.2
37.5°	652.1	780.8	853.3	855.1	797.2	726.7	657.4	601.5	544.8	496.3	454.5
40°	566.2	705.8	800.0	820.9	772.0	695.8	625.7	568.8	513.5	465.9	418.0
42.5°	489.0	628.1	743.9	780.2	741.4	665.7	595.4	535.9	482.1	437.0	388.1
45°	395.5	517.0	644.6	709.6	688.1	617.9	543.7	487.2	436.6	397.7	350.8
47.5°	333.6	419.3	542.8	630.7	630.3	566.3	493.3	439.0	392.2	355.8	317.7
50°	298.3	373.0	477.5	577.1	585.5	531.8	462.4	408.6	365.0	326.7	296.1
52.5°	266.7	328.2	422.1	517.7	541.5	495.0	427.7	378.1	335.6	300.4	274.2
55°	225.4	272.9	344.4	433.8	469.8	437.0	377.1	330.9	296.4	266.9	244.4
57.5°	190.6	226.4	283.6	355.6	397.5	376.9	327.6	290.0	260.5	233.8	216.0
60°	168.8	198.0	246.6	306.8	353.0	338.5	296.4	261.4	236.3	213.2	196.5
62.5°	148.3	173.4	215.0	263.8	306.3	300.2	265.9	236.4	214.5	193.4	179.3
65°	119.2	137.6	170.0	208.4	242.5	245.3	220.6	200.6	181.0	164.3	151.8
67.5°	95.0	106.9	129.8	162.0	187.6	196.7	181.6	166.3	150.8	137.8	127.0
70°	80.1	89.7	106.4	132.5	155.9	165.6	156.9	145.0	131.5	120.9	111.6
72.5°	64.9	74.3	86.6	105.7	125.9	136.3	133.3	124.7	113.7	105.0	96.2
75°	48.9	51.7	60.1	73.0	88.8	97.7	100.0	95.5	86.8	80.1	74.9
77.5°	36.2	37.9	41.8	48.6	58.9	66.9	70.3	69.7	63.7	59.8	55.0
80°	28.9	29.9	31.9	34.7	42.4	50.5	52.7	52.7	48.6	46.9	42.1
82.5°	22.0	22.7	23.8	25.5	29.1	36.1	38.6	39.1	36.4	34.4	30.6
85°	12.6	12.2	12.8	13.9	14.5	16.4	20.2	20.9	20.2	17.7	16.7
87.5°	9.0	8.1	7.2	6.5	6.4	6.3	6.9	7.7	7.1	7.1	6.9
90°	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9	3.4	6.9	8.6
92.5°	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5	15.2	21.4	25.1
95°	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0	33.5	42.1	49.9
97.5°	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0	53.6	62.8	74.4
100°	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1	68.7	76.5	90.2
102.5°	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0	83.9	91.6	105.4
105°	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9	108.3	114.3	127.2
107.5°	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6	132.3	138.2	150.1
110°	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1	149.6	154.6	165.8



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2	164.6	170.5	181.0
115°	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8	189.1	194.2	204.5
117.5°	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1	212.6	217.7	226.9
120°	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3	227.7	232.9	240.6
122.5°	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8	241.4	246.6	255.0
125°	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8	260.4	265.5	275.9
127.5°	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9	276.4	283.5	294.9
130°	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9	285.2	293.9	305.9
132.5°	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1	294.2	303.5	316.2
135°	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5	305.9	316.2	329.1
137.5°	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2	318.3	328.6	342.3
140°	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1	326.6	336.8	350.6
142.5°	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0	334.8	344.4	358.2
145°	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4	348.9	357.5	370.4
147.5°	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9	362.5	370.7	382.5
150°	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5	372.0	378.9	390.1
152.5°	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1	380.3	387.2	397.0
155°	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7	393.6	398.7	408.2
157.5°	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1	404.9	409.1	417.2
160°	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6	412.5	415.9	422.8
162.5°	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1	418.6	422.1	427.6
165°	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9	427.1	428.8	433.9
167.5°	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1	434.1	435.7	438.9
170°	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0	438.2	439.1	441.7
172.5°	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7	441.7	441.2	443.8
175°	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0	445.1	444.3	446.0
177.5°	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5	446.2	445.5	446.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	912.2	910.4	907.1	902.0	898.9	893.5	889.8	891.9	892.4	891.9	891.4
5°	887.8	881.0	871.7	862.6	854.3	845.3	840.2	837.9	833.4	830.9	829.6
7.5°	858.1	846.4	833.3	817.6	804.3	790.3	783.2	779.6	770.4	765.4	761.0
10°	835.9	817.6	804.4	783.9	771.4	753.0	740.5	740.8	728.2	721.2	716.0
12.5°	811.6	791.4	769.5	751.0	733.6	718.8	703.7	697.6	684.2	677.4	663.6
15°	771.0	747.5	724.4	699.3	681.7	658.8	637.0	610.3	588.8	570.1	564.9
17.5°	726.8	697.8	674.5	645.1	614.8	576.4	551.0	535.5	522.5	512.7	505.4
20°	696.5	666.8	642.1	597.7	556.9	530.8	512.2	500.3	486.8	476.2	470.4
22.5°	664.5	633.7	599.9	550.4	518.6	497.7	481.0	467.4	458.2	450.0	444.7
25°	619.2	585.5	529.9	495.8	470.1	448.2	436.6	428.3	418.6	407.3	402.3
27.5°	571.4	517.7	477.8	452.5	427.9	413.7	403.3	390.8	382.2	377.1	371.8
30°	535.6	482.0	450.8	423.1	405.8	390.0	377.8	370.7	362.4	353.7	350.2
32.5°	495.8	452.9	423.0	400.0	382.4	368.9	359.3	347.8	341.8	336.5	329.1
35°	446.3	413.8	386.5	367.8	351.1	340.2	328.9	322.2	311.3	306.8	303.8
37.5°	404.3	376.2	355.8	336.1	322.9	310.8	303.9	293.2	288.4	282.1	276.0
40°	380.6	353.0	333.5	317.4	302.6	293.5	284.9	276.2	269.1	266.2	258.8
42.5°	356.5	334.0	314.4	296.8	286.9	277.3	266.4	260.0	252.6	248.0	243.4
45°	323.1	303.2	286.5	272.0	261.1	251.2	244.0	233.4	229.3	219.9	216.0
47.5°	293.8	275.3	259.3	245.6	234.9	228.4	218.1	209.7	203.1	197.3	192.4
50°	272.9	257.5	242.1	229.9	220.2	210.9	200.4	196.1	185.8	183.0	180.0
52.5°	253.9	239.3	225.2	213.2	203.5	194.5	185.1	179.7	172.7	169.8	167.7
55°	227.3	213.2	199.7	189.1	179.4	170.0	164.3	157.6	154.3	152.1	149.5
57.5°	200.5	187.9	177.5	166.8	157.0	149.6	142.9	138.9	135.5	132.6	129.5
60°	183.6	171.3	162.0	152.1	142.2	136.0	130.9	126.1	122.2	117.7	116.4
62.5°	165.6	154.9	146.4	136.6	127.9	122.3	117.5	113.0	108.3	101.8	100.0
65°	140.9	132.5	123.5	115.5	107.7	102.3	95.1	90.1	88.1	87.5	87.1
67.5°	118.5	110.6	102.8	94.6	87.6	82.5	78.9	78.1	76.8	76.4	75.5
70°	103.5	96.2	88.4	80.7	74.0	73.0	71.7	70.4	68.8	68.2	67.5
72.5°	90.1	82.5	74.8	68.6	65.7	64.5	63.2	61.9	60.9	60.2	59.8
75°	69.1	62.1	56.9	54.7	53.0	52.1	50.2	49.2	48.6	47.6	47.3
77.5°	49.8	45.8	43.4	42.0	40.3	39.3	38.2	37.2	36.5	36.3	35.8
80°	38.0	36.0	34.4	32.5	31.9	30.6	30.2	29.3	29.6	28.6	28.6
82.5°	29.4	27.0	25.7	24.8	24.1	23.1	22.7	22.3	22.4	21.7	21.7
85°	15.2	14.5	13.9	13.2	13.2	12.2	12.6	12.2	12.2	11.5	11.3
87.5°	7.0	7.2	7.6	8.8	9.8	9.7	9.6	9.1	8.8	9.1	9.0
90°	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5	25.7	27.5	28.3
92.5°	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9	64.3	57.1	51.7
95°	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2	172.7	136.6	117.7
97.5°	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4	429.8	336.8	274.8
100°	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5	678.0	560.3	456.3
102.5°	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3	930.3	844.2	734.0
105°	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0	1141.2	1152.4	1123.9
107.5°	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5	1125.7	1215.0	1256.6
110°	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8	1077.5	1187.6	1258.0



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9	1020.5	1138.1	1218.8
115°	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3	942.6	1055.2	1143.8
117.5°	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2	879.4	981.5	1064.5
120°	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9	846.4	937.5	1015.7
122.5°	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3	818.9	905.2	975.9
125°	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3	782.8	858.4	922.9
127.5°	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7	747.8	819.1	878.6
130°	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5	724.4	792.3	849.0
132.5°	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0	702.4	764.7	818.0
135°	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0	667.7	724.4	772.5
137.5°	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5	640.0	685.0	726.9
140°	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9	622.2	661.7	699.5
142.5°	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3	606.3	640.3	672.0
145°	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7	586.1	612.7	637.6
147.5°	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2	569.6	590.3	608.6
150°	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7	558.5	576.6	592.0
152.5°	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1	549.6	564.9	578.3
155°	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6	535.4	548.2	557.7
157.5°	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4	520.9	531.8	539.2
160°	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8	511.3	520.7	526.8
162.5°	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3	502.3	510.4	515.1
165°	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9	489.0	495.0	498.4
167.5°	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1	476.7	480.9	484.0
170°	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6	469.2	472.6	474.3
172.5°	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4	462.3	465.0	466.1
175°	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7	454.6	455.5	456.3
177.5°	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9	448.9	449.6	449.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	888.6	889.1	888.3	888.8	888.3	889.1	888.6	891.4	891.9	892.4	891.9
5°	827.9	824.1	823.5	822.5	823.5	824.1	827.9	829.6	830.9	833.4	837.9
7.5°	755.5	754.9	753.4	751.1	753.4	754.9	755.5	761.0	765.4	770.4	779.6
10°	708.9	707.4	707.1	704.8	707.1	707.4	708.9	716.0	721.2	728.2	740.8
12.5°	654.4	644.1	643.0	637.4	643.0	644.1	654.4	663.6	677.4	684.2	697.6
15°	557.2	555.3	548.9	544.7	548.9	555.3	557.2	564.9	570.1	588.8	610.3
17.5°	501.6	495.3	493.4	492.5	493.4	495.3	501.6	505.4	512.7	522.5	535.5
20°	465.9	460.1	459.2	458.5	459.2	460.1	465.9	470.4	476.2	486.8	500.3
22.5°	441.2	435.1	432.7	430.8	432.7	435.1	441.2	444.7	450.0	458.2	467.4
25°	399.0	396.7	395.5	394.9	395.5	396.7	399.0	402.3	407.3	418.6	428.3
27.5°	366.0	361.1	360.1	358.4	360.1	361.1	366.0	371.8	377.1	382.2	390.8
30°	347.2	345.6	343.4	341.5	343.4	345.6	347.2	350.2	353.7	362.4	370.7
32.5°	325.1	323.8	321.8	320.9	321.8	323.8	325.1	329.1	336.5	341.8	347.8
35°	300.7	296.1	294.2	291.3	294.2	296.1	300.7	303.8	306.8	311.3	322.2
37.5°	274.7	272.3	269.7	270.6	269.7	272.3	274.7	276.0	282.1	288.4	293.2
40°	254.7	253.0	252.4	252.1	252.4	253.0	254.7	258.8	266.2	269.1	276.2
42.5°	238.7	234.3	232.6	232.6	232.6	234.3	238.7	243.4	248.0	252.6	260.0
45°	214.5	210.3	207.4	207.7	207.4	210.3	214.5	216.0	219.9	229.3	233.4
47.5°	189.7	189.5	187.7	188.3	187.7	189.5	189.7	192.4	197.3	203.1	209.7
50°	177.8	175.9	174.6	174.9	174.6	175.9	177.8	180.0	183.0	185.8	196.1
52.5°	166.5	164.8	163.8	165.1	163.8	164.8	166.5	167.7	169.8	172.7	179.7
55°	147.9	145.9	145.7	145.3	145.7	145.9	147.9	149.5	152.1	154.3	157.6
57.5°	127.2	125.9	123.9	123.1	123.9	125.9	127.2	129.5	132.6	135.5	138.9
60°	112.2	109.6	106.4	106.1	106.4	109.6	112.2	116.4	117.7	122.2	126.1
62.5°	98.6	98.1	97.5	97.4	97.5	98.1	98.6	100.0	101.8	108.3	113.0
65°	86.5	86.2	86.5	86.8	86.5	86.2	86.5	87.1	87.5	88.1	90.1
67.5°	75.3	74.8	74.2	74.5	74.2	74.8	75.3	75.5	76.4	76.8	78.1
70°	66.9	66.6	66.2	66.2	66.2	66.6	66.9	67.5	68.2	68.8	70.4
72.5°	58.6	58.5	58.3	58.0	58.3	58.5	58.6	59.8	60.2	60.9	61.9
75°	46.9	46.3	46.3	46.3	46.3	46.3	46.9	47.3	47.6	48.6	49.2
77.5°	35.7	35.5	35.1	34.9	35.1	35.5	35.7	35.8	36.3	36.5	37.2
80°	28.3	28.0	27.6	27.6	27.6	28.0	28.3	28.6	28.6	29.6	29.3
82.5°	21.6	21.3	21.2	20.9	21.2	21.3	21.6	21.7	21.7	22.4	22.3
85°	11.5	11.9	11.5	12.2	11.5	11.9	11.5	11.3	11.5	12.2	12.2
87.5°	9.0	8.8	9.0	8.8	9.0	8.8	9.0	9.0	9.1	8.8	9.1
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5
92.5°	51.1	48.3	49.0	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9
95°	106.6	99.7	97.1	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2
97.5°	233.8	212.6	200.0	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4
100°	385.0	348.0	323.1	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5
102.5°	656.5	593.4	562.3	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3
105°	1070.7	1017.4	980.4	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0
107.5°	1263.3	1260.4	1253.0	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5
110°	1294.9	1311.3	1319.1	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1270.2	1297.5	1312.2	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9
115°	1204.7	1244.2	1266.6	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3
117.5°	1126.7	1168.5	1192.1	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2
120°	1075.8	1116.2	1141.2	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9
122.5°	1029.8	1069.4	1091.7	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3
125°	972.8	1005.4	1026.8	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3
127.5°	922.0	952.6	971.2	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7
130°	891.1	920.3	937.5	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5
132.5°	859.5	888.7	904.5	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0
135°	809.4	837.8	853.3	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0
137.5°	760.7	785.1	798.7	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5
140°	726.9	749.3	762.2	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9
142.5°	698.1	718.4	729.9	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3
145°	658.2	672.9	681.4	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7
147.5°	625.6	637.2	643.1	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2
150°	604.9	615.3	620.4	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7
152.5°	588.4	597.4	601.2	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1
155°	567.1	573.2	576.6	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6
157.5°	545.8	550.8	552.3	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4
160°	532.8	537.1	538.0	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8
162.5°	521.1	524.0	524.9	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3
165°	501.8	505.2	505.2	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9
167.5°	485.5	487.4	487.2	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1
170°	475.2	477.8	476.9	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6
172.5°	466.9	468.1	467.3	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4
175°	456.3	457.2	456.3	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7
177.5°	449.6	449.6	448.9	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	889.8	893.5	898.9	902.0	907.1	910.4	912.2	915.6	917.4	923.9	930.5
5°	840.2	845.3	854.3	862.6	871.7	881.0	887.8	895.4	902.5	914.7	927.6
7.5°	783.2	790.3	804.3	817.6	833.3	846.4	858.1	871.2	883.0	900.5	918.8
10°	740.5	753.0	771.4	783.9	804.4	817.6	835.9	850.4	866.9	890.0	910.6
12.5°	703.7	718.8	733.6	751.0	769.5	791.4	811.6	830.1	849.6	873.6	897.7
15°	637.0	658.8	681.7	699.3	724.4	747.5	771.0	796.1	819.9	848.5	880.0
17.5°	551.0	576.4	614.8	645.1	674.5	697.8	726.8	757.2	785.1	819.7	854.7
20°	512.2	530.8	556.9	597.7	642.1	666.8	696.5	729.9	762.0	799.6	837.2
22.5°	481.0	497.7	518.6	550.4	599.9	633.7	664.5	698.5	735.8	774.2	815.9
25°	436.6	448.2	470.1	495.8	529.9	585.5	619.2	653.3	693.9	735.0	782.6
27.5°	403.3	413.7	427.9	452.5	477.8	517.7	571.4	608.6	648.9	695.3	744.7
30°	377.8	390.0	405.8	423.1	450.8	482.0	535.6	578.8	618.6	666.2	718.9
32.5°	359.3	368.9	382.4	400.0	423.0	452.9	495.8	548.1	586.9	637.1	692.2
35°	328.9	340.2	351.1	367.8	386.5	413.8	446.3	502.2	540.8	590.3	645.7
37.5°	303.9	310.8	322.9	336.1	355.8	376.2	404.3	454.5	496.3	544.8	601.5
40°	284.9	293.5	302.6	317.4	333.5	353.0	380.6	418.0	465.9	513.5	568.8
42.5°	266.4	277.3	286.9	296.8	314.4	334.0	356.5	388.1	437.0	482.1	535.9
45°	244.0	251.2	261.1	272.0	286.5	303.2	323.1	350.8	397.7	436.6	487.2
47.5°	218.1	228.4	234.9	245.6	259.3	275.3	293.8	317.7	355.8	392.2	439.0
50°	200.4	210.9	220.2	229.9	242.1	257.5	272.9	296.1	326.7	365.0	408.6
52.5°	185.1	194.5	203.5	213.2	225.2	239.3	253.9	274.2	300.4	335.6	378.1
55°	164.3	170.0	179.4	189.1	199.7	213.2	227.3	244.4	266.9	296.4	330.9
57.5°	142.9	149.6	157.0	166.8	177.5	187.9	200.5	216.0	233.8	260.5	290.0
60°	130.9	136.0	142.2	152.1	162.0	171.3	183.6	196.5	213.2	236.3	261.4
62.5°	117.5	122.3	127.9	136.6	146.4	154.9	165.6	179.3	193.4	214.5	236.4
65°	95.1	102.3	107.7	115.5	123.5	132.5	140.9	151.8	164.3	181.0	200.6
67.5°	78.9	82.5	87.6	94.6	102.8	110.6	118.5	127.0	137.8	150.8	166.3
70°	71.7	73.0	74.0	80.7	88.4	96.2	103.5	111.6	120.9	131.5	145.0
72.5°	63.2	64.5	65.7	68.6	74.8	82.5	90.1	96.2	105.0	113.7	124.7
75°	50.2	52.1	53.0	54.7	56.9	62.1	69.1	74.9	80.1	86.8	95.5
77.5°	38.2	39.3	40.3	42.0	43.4	45.8	49.8	55.0	59.8	63.7	69.7
80°	30.2	30.6	31.9	32.5	34.4	36.0	38.0	42.1	46.9	48.6	52.7
82.5°	22.7	23.1	24.1	24.8	25.7	27.0	29.4	30.6	34.4	36.4	39.1
85°	12.6	12.2	13.2	13.2	13.9	14.5	15.2	16.7	17.7	20.2	20.9
87.5°	9.6	9.7	9.8	8.8	7.6	7.2	7.0	6.9	7.1	7.1	7.7
90°	28.3	29.2	28.3	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9
92.5°	94.4	111.7	110.1	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5
95°	294.7	336.8	298.2	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0
97.5°	603.2	575.1	433.1	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0
100°	802.6	678.8	467.4	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1
102.5°	876.8	682.3	454.4	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0
105°	865.3	636.7	428.8	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9
107.5°	789.9	588.0	416.0	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6
110°	742.4	564.6	413.4	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	709.5	549.4	414.0	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2
115°	668.6	532.8	417.6	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8
117.5°	642.7	524.7	423.8	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1
120°	629.0	519.9	427.9	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3
122.5°	617.3	517.1	432.7	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8
125°	600.6	512.1	440.0	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8
127.5°	585.2	509.2	447.4	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9
130°	574.9	507.8	452.9	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9
132.5°	566.6	507.1	458.3	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1
135°	555.1	506.1	464.9	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5
137.5°	547.0	505.9	470.7	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2
140°	542.3	505.2	473.5	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1
142.5°	537.4	505.2	475.5	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0
145°	531.1	503.5	477.8	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4
147.5°	524.5	500.5	478.5	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9
150°	519.0	498.4	477.8	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5
152.5°	514.2	495.0	476.4	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1
155°	505.2	489.0	474.3	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7
157.5°	496.9	482.8	470.4	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1
160°	490.7	478.6	468.3	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6
162.5°	485.2	475.2	466.2	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1
165°	476.0	468.3	462.3	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9
167.5°	467.1	462.3	458.3	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1
170°	462.3	458.8	456.3	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0
172.5°	457.5	454.8	453.6	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7
175°	451.2	450.3	449.4	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0
177.5°	447.5	446.9	447.5	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	930.7	931.5	936.7	939.0	943.7	945.5	947.4	946.9	946.9	948.0	955.2
5°	932.7	939.2	948.8	958.1	967.2	974.9	980.0	985.2	987.1	996.4	1004.8
7.5°	929.4	941.2	957.2	971.4	988.4	1001.8	1012.8	1022.8	1029.6	1043.2	1057.0
10°	925.1	941.8	959.8	978.1	1001.6	1019.3	1037.2	1051.1	1055.6	1075.8	1087.4
12.5°	916.3	938.7	961.6	985.3	1008.2	1032.6	1052.4	1066.3	1082.1	1100.3	1121.6
15°	903.2	928.9	958.8	989.4	1022.2	1051.7	1073.0	1097.1	1114.4	1134.4	1153.0
17.5°	884.3	917.5	955.5	990.8	1028.7	1060.5	1089.8	1112.8	1125.1	1136.4	1139.3
20°	869.4	905.1	949.8	991.6	1029.5	1066.2	1095.1	1114.4	1117.7	1117.9	1100.9
22.5°	853.3	893.5	940.3	983.1	1028.5	1069.3	1091.7	1100.0	1087.3	1065.5	1032.5
25°	823.5	870.0	924.4	973.3	1022.8	1061.4	1069.1	1054.6	1010.0	962.9	903.5
27.5°	791.2	843.5	901.8	956.1	1008.9	1032.9	1016.2	964.0	883.5	813.6	728.8
30°	767.5	826.3	883.6	944.3	993.2	1003.5	965.3	888.4	794.5	689.1	604.5
32.5°	740.5	802.1	865.0	927.9	968.8	958.7	895.5	800.9	690.9	587.2	507.2
35°	701.9	765.6	833.4	896.4	922.5	879.1	784.5	661.4	548.9	452.1	397.1
37.5°	657.4	726.7	797.2	855.1	853.3	780.8	652.1	525.0	430.4	373.2	334.0
40°	625.7	695.8	772.0	820.9	800.0	705.8	566.2	446.3	377.1	331.5	302.9
42.5°	595.4	665.7	741.4	780.2	743.9	628.1	489.0	395.1	338.0	302.5	279.2
45°	543.7	617.9	688.1	709.6	644.6	517.0	395.5	327.4	289.4	263.0	246.9
47.5°	493.3	566.3	630.3	630.7	542.8	419.3	333.6	283.3	250.9	230.5	218.8
50°	462.4	531.8	585.5	577.1	477.5	373.0	298.3	254.9	228.0	212.2	200.0
52.5°	427.7	495.0	541.5	517.7	422.1	328.2	266.7	230.3	207.9	194.2	183.3
55°	377.1	437.0	469.8	433.8	344.4	272.9	225.4	196.7	180.0	168.5	159.2
57.5°	327.6	376.9	397.5	355.6	283.6	226.4	190.6	169.2	152.6	144.3	139.5
60°	296.4	338.5	353.0	306.8	246.6	198.0	168.8	148.9	136.6	131.2	126.4
62.5°	265.9	300.2	306.3	263.8	215.0	173.4	148.3	131.4	123.3	118.0	113.5
65°	220.6	245.3	242.5	208.4	170.0	137.6	119.2	109.0	102.9	95.5	87.5
67.5°	181.6	196.7	187.6	162.0	129.8	106.9	95.0	87.2	79.6	72.6	70.8
70°	156.9	165.6	155.9	132.5	106.4	89.7	80.1	70.8	66.2	64.7	61.7
72.5°	133.3	136.3	125.9	105.7	86.6	74.3	64.9	59.7	57.3	55.9	54.0
75°	100.0	97.7	88.8	73.0	60.1	51.7	48.9	46.9	45.4	44.1	43.0
77.5°	70.3	66.9	58.9	48.6	41.8	37.9	36.2	35.1	34.4	33.7	32.7
80°	52.7	50.5	42.4	34.7	31.9	29.9	28.9	27.6	27.6	27.0	26.0
82.5°	38.6	36.1	29.1	25.5	23.8	22.7	22.0	21.2	20.9	21.1	20.4
85°	20.2	16.4	14.5	13.9	12.8	12.2	12.6	11.9	11.9	11.9	11.5
87.5°	6.9	6.3	6.4	6.5	7.2	8.1	9.0	10.1	10.5	10.1	10.2
90°	3.4	6.9	8.6	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5
92.5°	15.2	21.4	25.1	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9
95°	33.5	42.1	49.9	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2
97.5°	53.6	62.8	74.4	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4
100°	68.7	76.5	90.2	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5
102.5°	83.9	91.6	105.4	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3
105°	108.3	114.3	127.2	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0
107.5°	132.3	138.2	150.1	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5
110°	149.6	154.6	165.8	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8



TEST NUMBER: P331665-935

CATALOG NUMBER: SA2XXRDIP-C485D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	164.6	170.5	181.0	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9
115°	189.1	194.2	204.5	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3
117.5°	212.6	217.7	226.9	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2
120°	227.7	232.9	240.6	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9
122.5°	241.4	246.6	255.0	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3
125°	260.4	265.5	275.9	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3
127.5°	276.4	283.5	294.9	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7
130°	285.2	293.9	305.9	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5
132.5°	294.2	303.5	316.2	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0
135°	305.9	316.2	329.1	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0
137.5°	318.3	328.6	342.3	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5
140°	326.6	336.8	350.6	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9
142.5°	334.8	344.4	358.2	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3
145°	348.9	357.5	370.4	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7
147.5°	362.5	370.7	382.5	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2
150°	372.0	378.9	390.1	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7
152.5°	380.3	387.2	397.0	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1
155°	393.6	398.7	408.2	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6
157.5°	404.9	409.1	417.2	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4
160°	412.5	415.9	422.8	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8
162.5°	418.6	422.1	427.6	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3
165°	427.1	428.8	433.9	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9
167.5°	434.1	435.7	438.9	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1
170°	438.2	439.1	441.7	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6
172.5°	441.7	441.2	443.8	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4
175°	445.1	444.3	446.0	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7
177.5°	446.2	445.5	446.9	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	925.4	925.4	925.4	925.4	925.4	925.4	925.4
2.5°	957.8	961.1	962.7	962.7	964.5	963.7	962.9
5°	1012.8	1018.9	1020.2	1026.0	1030.2	1028.9	1029.5
7.5°	1067.6	1077.4	1087.1	1091.5	1092.3	1094.8	1095.8
10°	1101.2	1109.3	1124.4	1122.1	1133.4	1139.8	1129.2
12.5°	1133.7	1144.5	1155.0	1157.9	1164.2	1166.3	1162.1
15°	1163.0	1168.7	1169.4	1167.8	1169.8	1168.1	1162.0
17.5°	1135.6	1126.2	1107.2	1098.1	1091.0	1080.5	1076.2
20°	1090.3	1062.6	1030.5	1017.6	1002.5	972.9	980.0
22.5°	992.6	961.0	928.9	891.3	873.4	845.3	843.7
25°	840.5	786.2	726.3	684.5	660.1	632.1	619.9
27.5°	653.5	585.0	536.1	511.3	488.6	466.5	465.5
30°	530.5	479.1	441.2	419.9	406.1	396.7	398.7
32.5°	447.2	411.9	386.3	368.8	358.5	351.5	351.4
35°	365.6	341.5	325.0	317.7	310.3	305.1	305.5
37.5°	312.9	298.3	289.2	281.1	276.5	274.0	272.5
40°	285.9	274.0	266.9	262.1	258.2	254.7	254.0
42.5°	264.5	254.7	247.5	243.7	240.2	237.6	237.0
45°	234.7	226.7	220.2	216.0	214.5	212.2	212.2
47.5°	208.8	200.9	195.9	193.2	190.5	189.0	188.9
50°	191.3	185.2	180.7	179.1	176.8	175.9	175.6
52.5°	175.6	171.1	167.8	166.8	165.7	164.5	164.7
55°	154.3	151.8	150.5	149.5	147.9	145.9	147.2
57.5°	136.4	134.2	130.7	127.7	126.2	124.8	125.4
60°	123.8	119.2	114.8	111.2	110.3	107.4	107.4
62.5°	107.9	101.5	96.0	94.0	93.1	91.7	91.4
65°	82.9	80.4	79.1	77.8	77.1	77.1	76.5
67.5°	68.7	67.7	66.3	66.0	65.3	65.2	64.9
70°	60.8	59.5	58.8	58.5	57.9	58.2	57.3
72.5°	53.0	52.0	51.9	51.1	50.7	50.7	50.0
75°	41.8	41.8	41.5	41.2	40.6	40.2	40.6
77.5°	32.1	32.2	31.6	31.6	31.5	31.6	31.3
80°	25.7	26.0	25.7	25.4	25.1	25.4	25.1
82.5°	20.3	19.9	19.8	19.7	19.7	19.5	19.5
85°	11.5	11.9	11.5	11.3	11.3	11.3	11.5
87.5°	9.6	9.9	10.1	10.1	10.1	10.1	9.8
90°	25.7	27.5	28.3	28.3	28.3	28.3	28.3
92.5°	64.3	57.1	51.7	51.1	48.3	49.0	47.6
95°	172.7	136.6	117.7	106.6	99.7	97.1	98.0
97.5°	429.8	336.8	274.8	233.8	212.6	200.0	192.9
100°	678.0	560.3	456.3	385.0	348.0	323.1	307.6
102.5°	930.3	844.2	734.0	656.5	593.4	562.3	541.4
105°	1141.2	1152.4	1123.9	1070.7	1017.4	980.4	968.5
107.5°	1125.7	1215.0	1256.6	1263.3	1260.4	1253.0	1237.1
110°	1077.5	1187.6	1258.0	1294.9	1311.3	1319.1	1318.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1020.5	1138.1	1218.8	1270.2	1297.5	1312.2	1316.8
115°	942.6	1055.2	1143.8	1204.7	1244.2	1266.6	1274.4
117.5°	879.4	981.5	1064.5	1126.7	1168.5	1192.1	1198.5
120°	846.4	937.5	1015.7	1075.8	1116.2	1141.2	1149.8
122.5°	818.9	905.2	975.9	1029.8	1069.4	1091.7	1098.9
125°	782.8	858.4	922.9	972.8	1005.4	1026.8	1033.7
127.5°	747.8	819.1	878.6	922.0	952.6	971.2	976.7
130°	724.4	792.3	849.0	891.1	920.3	937.5	944.3
132.5°	702.4	764.7	818.0	859.5	888.7	904.5	910.7
135°	667.7	724.4	772.5	809.4	837.8	853.3	856.7
137.5°	640.0	685.0	726.9	760.7	785.1	798.7	803.8
140°	622.2	661.7	699.5	726.9	749.3	762.2	767.3
142.5°	606.3	640.3	672.0	698.1	718.4	729.9	730.9
145°	586.1	612.7	637.6	658.2	672.9	681.4	684.0
147.5°	569.6	590.3	608.6	625.6	637.2	643.1	644.6
150°	558.5	576.6	592.0	604.9	615.3	620.4	621.3
152.5°	549.6	564.9	578.3	588.4	597.4	601.2	601.3
155°	535.4	548.2	557.7	567.1	573.2	576.6	574.9
157.5°	520.9	531.8	539.2	545.8	550.8	552.3	552.3
160°	511.3	520.7	526.8	532.8	537.1	538.0	538.0
162.5°	502.3	510.4	515.1	521.1	524.0	524.9	524.2
165°	489.0	495.0	498.4	501.8	505.2	505.2	504.4
167.5°	476.7	480.9	484.0	485.5	487.4	487.2	486.2
170°	469.2	472.6	474.3	475.2	477.8	476.9	475.2
172.5°	462.3	465.0	466.1	466.9	468.1	467.3	466.2
175°	454.6	455.5	456.3	456.3	457.2	456.3	454.6
177.5°	448.9	449.6	449.6	449.6	449.6	448.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9

(END OF REPORT)