

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: P332915-830

Luminaire Tested: **SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332915-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5786.7 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

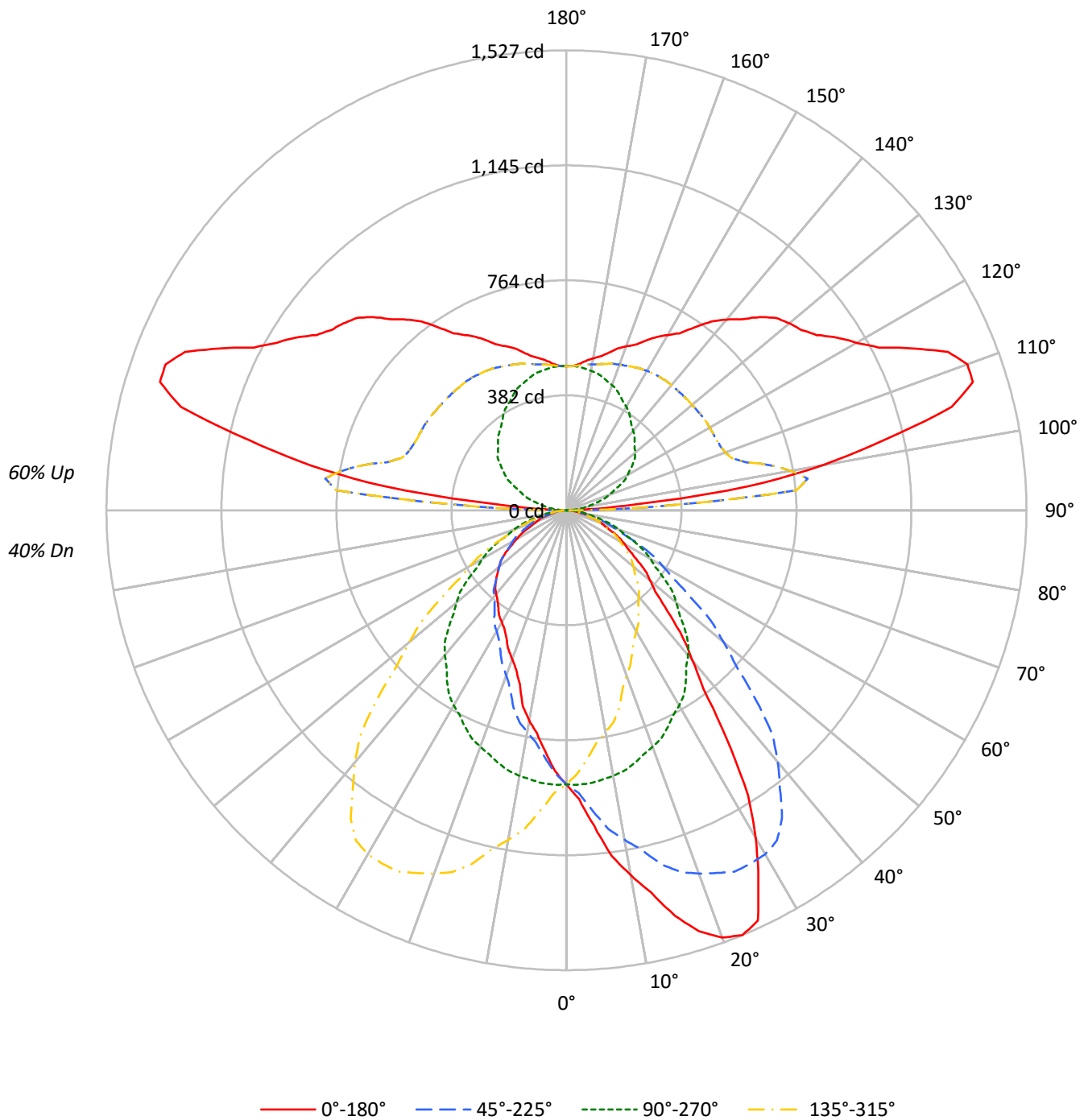
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	78	78	78	62	62	62	47	47	47	40		
1	96	92	88	85	87	84	81	78	69	66	64	55	53	52	42	41	40	34		
2	88	81	75	70	80	74	69	64	60	57	54	48	46	44	37	36	34	29		
3	80	71	64	58	73	65	59	54	54	49	46	43	40	38	33	31	30	25		
4	73	63	55	50	67	58	51	46	48	43	39	39	35	32	30	28	26	22		
5	67	56	48	43	61	52	45	40	43	38	34	35	31	28	27	25	23	19		
6	62	50	43	37	56	46	40	35	39	33	30	31	28	25	25	22	20	17		
7	57	46	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15		
8	53	41	34	29	48	38	31	27	32	27	23	26	22	20	21	18	16	14		
9	50	38	30	26	45	35	28	24	29	24	21	24	20	18	19	17	15	12		
10	46	35	28	23	42	32	26	21	27	22	19	22	19	16	18	15	13	11		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7348	7348	7348	7348
5°	8524	7370	6515	7370
10°	10083	7338	5814	7338
15°	11646	7270	4996	7270
20°	12968	7177	4517	7177
25°	13387	7085	4195	7085
30°	11719	6974	3999	6974
35°	9122	6809	3882	6809
40°	6841	6620	3818	6620
45°	5401	6318	3785	6318
50°	4560	5968	3676	5968
55°	3975	5585	3478	5585
60°	3576	5186	3079	5186
65°	3152	4756	2648	4756
70°	2840	4312	2389	4312
75°	2380	3821	2037	3821
80°	2013	3254	1911	3254
85°	1704	2547	1704	2547

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.5
10°-20°	266.0	4.6
20°-30°	416.1	7.2
30°-40°	462.6	8.0
40°-50°	410.4	7.1
50°-60°	319.8	5.5
60°-70°	209.4	3.6
70°-80°	103.0	1.8
80°-90°	28.1	0.5
90°-100°	345.9	6.0
100°-110°	720.0	12.4
110°-120°	644.9	11.1
120°-130°	542.4	9.4
130°-140°	452.3	7.8
140°-150°	345.5	6.0
150°-160°	242.9	4.2
160°-170°	142.9	2.5
170°-180°	46.5	0.8
0°-30°	770.3	13.3
0°-40°	1232.9	21.3
0°-60°	1963.1	33.9
0°-90°	2303.5	39.8
90°-120°	1710.8	29.6
90°-150°	3051.1	52.7
90°-180°	3483.0	60.2
0°-180°	5786.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	1052	910	804	910	1052	106
15°	1394	870	598	870	1394	396
25°	1503	795	471	795	1503	667
35°	926	691	394	691	926	580
45°	473	553	332	553	473	375
55°	282	397	247	397	282	257
65°	165	249	139	249	165	166
75°	76	122	65	122	76	84
85°	18	28	18	28	18	21
90°	20	1	20	1	20	17
95°	230	31	230	31	230	356
105°	1324	110	1324	110	1324	1309
115°	1271	194	1271	194	1271	1262
125°	1014	270	1014	270	1014	922
135°	907	321	907	321	907	700
145°	741	370	741	370	741	469
155°	620	421	620	421	620	289
165°	541	458	541	458	541	155
175°	487	478	487	478	487	47
180°	479	479	479	479	479	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	960.1	962.7	960.1	959.8	956.9	956.0	954.8	951.0	944.0	939.8	940.8
5°	1051.8	1060.9	1055.8	1055.1	1047.0	1039.0	1033.8	1022.1	1009.6	1001.2	994.2
7.5°	1157.8	1163.1	1159.9	1154.7	1141.7	1134.3	1122.4	1106.9	1084.6	1067.4	1051.9
10°	1230.0	1234.4	1232.9	1223.4	1213.9	1194.4	1183.5	1161.8	1133.5	1111.2	1090.2
12.5°	1301.0	1305.7	1292.8	1293.3	1275.2	1259.8	1242.4	1215.2	1182.5	1153.7	1127.6
15°	1393.5	1387.7	1387.7	1380.4	1360.2	1338.9	1321.0	1292.3	1251.2	1216.8	1180.5
17.5°	1466.0	1468.1	1465.1	1447.7	1431.9	1409.9	1377.0	1343.6	1305.4	1259.1	1222.1
20°	1509.5	1509.5	1506.2	1494.4	1473.9	1450.4	1414.9	1378.6	1330.1	1283.6	1241.7
22.5°	1527.0	1528.2	1524.4	1514.7	1496.2	1473.3	1443.0	1406.1	1356.2	1303.8	1252.0
25°	1502.9	1509.8	1510.5	1508.0	1502.5	1488.6	1462.5	1424.7	1380.0	1323.1	1267.4
27.5°	1379.8	1388.6	1396.3	1408.9	1425.8	1434.6	1435.8	1416.5	1377.5	1322.9	1266.8
30°	1257.2	1264.4	1288.3	1319.5	1343.7	1365.6	1384.8	1389.9	1367.9	1318.7	1259.7
32.5°	1121.0	1131.0	1154.8	1188.4	1228.7	1265.9	1308.8	1330.6	1330.0	1300.5	1245.9
35°	925.6	932.9	955.0	990.1	1038.6	1093.9	1161.8	1214.6	1250.6	1247.9	1214.6
37.5°	746.5	754.8	777.0	806.3	853.2	921.7	987.4	1060.2	1126.6	1163.9	1152.7
40°	649.1	649.5	671.1	701.2	745.2	804.9	876.5	957.2	1031.2	1091.7	1103.4
42.5°	572.2	572.3	586.6	619.1	650.7	707.0	775.2	855.4	942.1	1011.9	1043.0
45°	473.1	476.4	488.1	507.6	532.4	580.1	634.8	709.3	806.4	889.3	941.0
47.5°	400.6	405.5	412.9	428.8	448.7	480.4	525.6	592.5	671.6	762.7	836.3
50°	363.1	363.8	373.3	382.1	399.4	424.7	464.3	520.0	592.7	680.2	762.0
52.5°	330.8	330.6	336.4	347.5	361.6	381.3	413.2	464.0	528.4	606.9	691.4
55°	282.4	284.2	288.6	297.4	308.0	322.0	347.3	385.4	436.0	503.1	579.8
57.5°	245.5	246.5	250.0	253.7	263.4	273.6	292.6	319.1	361.7	416.7	488.1
60°	221.5	221.9	223.0	228.5	236.2	245.7	258.5	280.9	316.9	367.1	423.6
62.5°	198.0	198.7	200.4	204.4	210.4	217.0	230.4	248.4	278.1	321.0	371.9
65°	165.0	165.4	168.0	169.5	174.2	180.0	189.9	202.1	222.6	258.5	297.1
67.5°	137.9	137.9	138.0	140.1	143.4	147.2	153.2	162.9	178.3	200.4	234.3
70°	120.3	120.3	121.0	122.2	123.9	127.2	130.5	137.9	149.3	167.2	193.2
72.5°	103.9	104.2	104.9	105.1	106.0	108.8	111.2	115.8	124.3	137.9	158.9
75°	76.3	77.4	79.2	80.7	82.5	82.2	84.7	87.7	90.2	98.3	110.4
77.5°	56.7	56.2	56.4	57.7	57.9	58.2	60.0	62.3	64.3	68.1	72.4
80°	43.3	43.3	44.4	44.8	44.4	44.8	46.6	47.7	48.4	49.9	53.9
82.5°	32.7	33.3	32.9	33.3	33.6	33.9	35.4	35.6	36.4	36.9	38.6
85°	18.4	18.7	19.0	18.4	18.4	18.4	19.0	19.4	20.2	19.8	20.5
87.5°	10.4	10.1	10.6	10.4	10.6	10.2	10.4	10.7	10.0	10.5	10.1
90°	19.8	19.8	20.7	19.8	18.9	18.9	17.9	17.0	16.0	17.0	15.1
92.5°	72.5	72.5	75.7	80.8	91.8	110.7	139.1	184.8	248.6	298.5	261.2
95°	229.6	241.9	258.7	287.9	334.0	425.3	551.4	697.2	788.5	766.9	578.7
97.5°	613.7	633.3	661.5	718.1	785.7	883.9	975.9	1030.2	990.6	807.7	541.6
100°	862.9	870.3	898.6	956.0	1037.8	1107.5	1153.6	1134.8	997.4	756.5	491.2
102.5°	1079.7	1085.7	1115.4	1157.0	1207.2	1236.2	1222.9	1129.5	940.9	692.6	457.3
105°	1323.9	1329.6	1342.7	1350.3	1348.4	1309.8	1216.6	1053.9	838.4	617.3	428.1
107.5°	1414.7	1412.2	1402.8	1381.3	1334.8	1250.9	1119.7	946.4	755.5	575.1	422.8
110°	1416.2	1407.7	1390.7	1351.2	1284.4	1180.9	1044.4	881.7	714.2	560.8	424.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1371.7	1358.0	1334.3	1286.5	1210.6	1107.1	978.2	834.2	690.9	554.0	428.9
115°	1271.2	1263.7	1233.6	1177.1	1102.8	1012.5	902.4	786.6	669.0	550.4	437.5
117.5°	1169.4	1163.6	1133.1	1085.7	1022.3	945.7	859.1	763.3	659.2	549.5	446.8
120°	1112.2	1101.8	1077.4	1035.9	982.3	915.6	840.3	752.7	653.9	549.5	453.6
122.5°	1067.1	1056.7	1035.9	1000.6	955.3	896.7	828.2	743.8	647.9	548.7	460.3
125°	1014.4	1008.7	990.8	963.6	925.9	874.1	809.2	728.3	638.0	547.6	470.5
127.5°	983.4	977.8	962.8	938.5	900.7	851.6	786.8	709.5	624.6	545.5	478.5
130°	965.4	959.8	944.7	921.1	882.6	832.7	768.7	694.5	616.3	544.8	484.6
132.5°	945.1	939.4	925.1	898.6	860.8	810.9	748.5	678.6	608.8	544.0	489.8
135°	907.1	901.4	886.4	860.1	822.4	775.3	717.9	656.8	597.5	542.9	497.8
137.5°	860.1	853.3	840.8	814.8	779.7	737.2	688.8	637.1	587.7	542.7	502.5
140°	826.1	818.6	805.5	784.8	751.8	712.3	670.0	625.8	582.5	542.0	506.2
142.5°	790.0	784.8	773.1	753.8	724.7	690.5	654.1	615.2	578.0	542.0	509.3
145°	740.6	735.8	726.4	710.4	686.9	660.5	632.4	600.3	570.2	540.1	511.0
147.5°	696.6	695.0	687.9	674.1	656.8	636.1	613.5	588.1	563.3	536.7	511.9
150°	671.8	670.9	665.2	653.0	638.0	621.0	602.2	580.6	558.0	534.4	511.9
152.5°	649.2	648.3	644.9	635.0	622.2	608.2	590.9	572.3	552.0	530.7	510.4
155°	620.1	620.1	617.3	609.7	600.3	589.0	575.0	559.9	542.9	525.1	508.1
157.5°	594.5	594.5	592.8	587.1	580.0	571.0	559.1	546.5	533.7	519.2	505.7
160°	578.7	578.7	577.8	572.1	566.5	558.9	548.6	538.2	527.0	514.7	503.4
162.5°	563.6	564.4	563.5	557.8	553.6	546.9	538.8	529.9	520.9	510.2	501.1
165°	541.0	542.0	542.9	539.1	535.4	530.7	524.1	518.5	511.0	503.4	496.8
167.5°	523.2	524.0	524.1	521.7	519.8	517.0	511.7	507.4	501.9	496.6	492.3
170°	511.9	511.9	512.8	511.9	510.0	507.2	503.4	500.6	495.9	492.1	489.3
172.5°	500.6	502.1	503.0	502.1	501.0	498.9	496.6	494.6	490.6	487.6	486.3
175°	487.4	489.3	491.2	489.3	489.3	489.3	487.4	486.4	484.6	482.7	482.7
177.5°	479.7	481.2	482.7	481.9	482.7	481.9	481.9	481.2	480.4	479.7	479.7
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	937.8	933.7	931.6	926.9	921.3	918.4	915.8	912.0	907.0	901.7	897.9
5°	985.4	976.6	965.5	952.3	940.7	929.3	919.4	909.5	898.1	886.4	874.7
7.5°	1034.3	1016.9	998.2	976.6	955.5	936.4	918.8	901.9	882.9	865.7	850.2
10°	1068.3	1044.8	1018.8	991.3	963.7	939.9	916.4	895.1	871.7	850.8	833.2
12.5°	1095.9	1068.3	1037.0	1002.7	969.6	940.8	913.8	886.1	859.4	836.7	813.2
15°	1141.6	1103.8	1061.7	1020.6	977.7	938.5	902.1	869.9	839.4	807.6	785.1
17.5°	1173.1	1128.2	1077.0	1027.7	976.9	930.7	888.8	850.4	815.2	782.7	756.0
20°	1191.8	1142.4	1085.5	1029.4	972.5	923.0	878.0	835.4	799.1	763.9	736.4
22.5°	1202.4	1147.6	1085.5	1026.7	967.9	914.3	864.8	820.5	780.9	745.7	715.3
25°	1205.8	1147.1	1083.6	1016.2	951.7	894.8	843.5	795.4	751.4	716.2	683.9
27.5°	1201.1	1132.0	1067.1	997.8	931.2	871.3	817.4	766.9	722.8	685.0	652.0
30°	1194.0	1120.0	1050.3	978.5	911.0	853.4	796.5	748.1	702.3	663.1	629.7
32.5°	1178.8	1105.3	1030.4	956.7	888.3	829.1	775.1	726.4	681.5	641.3	605.9
35°	1148.6	1074.1	992.7	917.2	850.1	788.4	737.8	690.9	648.0	605.1	567.7
37.5°	1108.7	1032.7	951.7	869.0	801.8	743.7	697.2	653.2	611.2	572.1	530.7
40°	1071.2	1001.9	918.3	836.1	767.2	711.1	668.2	628.2	586.1	547.1	505.7
42.5°	1025.8	966.7	882.2	799.7	731.7	677.6	637.6	598.6	560.2	522.5	479.3
45°	949.8	905.1	825.9	746.7	678.1	624.5	587.9	553.4	519.6	483.7	443.0
47.5°	862.8	832.5	764.2	683.1	619.6	571.5	536.0	507.8	479.3	443.4	407.6
50°	802.4	783.0	717.0	642.9	582.4	538.0	501.7	475.2	451.5	417.0	385.0
52.5°	737.8	727.5	671.8	600.9	542.4	499.0	468.0	444.2	420.1	391.4	361.6
55°	639.6	645.1	597.8	536.5	481.5	444.9	416.6	396.8	376.3	352.0	328.9
57.5°	539.0	559.2	527.4	473.6	422.1	388.2	366.9	350.2	333.1	312.9	293.2
60°	478.9	495.8	477.9	430.6	385.4	353.9	334.1	321.2	304.0	285.7	270.6
62.5°	420.3	438.3	427.6	389.5	347.6	320.5	303.0	291.1	278.2	262.2	246.6
65°	346.6	358.3	353.2	326.8	297.1	273.9	257.8	249.0	237.2	225.6	211.6
67.5°	265.4	288.1	285.1	271.1	245.4	227.3	216.8	209.1	198.3	189.6	180.1
70°	218.2	239.1	238.7	227.3	213.4	196.5	189.3	182.7	173.1	164.7	156.9
72.5°	178.6	197.7	200.6	191.9	182.4	169.6	162.5	158.0	148.7	143.0	136.7
75°	125.1	139.0	142.7	142.7	138.3	131.7	125.5	122.5	115.8	110.7	107.1
77.5°	82.0	90.8	96.5	97.8	98.5	96.3	91.1	89.1	84.1	82.2	78.7
80°	58.0	63.8	70.4	72.6	74.5	73.7	71.5	70.0	65.3	63.4	62.0
82.5°	40.1	43.3	48.7	53.5	53.1	55.0	53.1	51.8	48.3	47.6	46.1
85°	20.9	21.3	22.0	25.3	27.1	27.9	28.3	27.5	26.4	26.4	23.8
87.5°	9.7	9.4	8.9	8.9	9.0	9.9	10.3	10.2	9.6	9.3	8.7
90°	13.2	13.2	7.5	7.5	6.6	5.7	2.8	0.9	2.8	5.7	6.6
92.5°	190.1	117.1	69.3	49.7	35.9	24.5	15.6	10.7	15.6	24.5	35.9
95°	353.8	199.4	117.6	78.1	55.5	43.3	33.8	31.0	33.8	43.3	55.5
97.5°	318.0	190.7	127.6	94.4	75.1	63.8	55.7	55.7	55.7	63.8	75.1
100°	299.3	192.9	137.4	107.3	89.4	78.1	71.5	71.5	71.5	78.1	89.4
102.5°	294.0	200.4	150.1	121.6	104.4	93.9	88.0	86.5	88.0	93.9	104.4
105°	296.4	218.3	173.1	145.8	128.9	117.6	112.9	110.1	112.9	117.6	128.9
107.5°	310.3	239.2	197.7	170.9	154.7	142.6	138.0	136.1	138.0	142.6	154.7
110°	320.8	255.0	213.6	188.2	171.3	159.9	155.2	153.4	155.2	159.9	171.3

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	332.2	270.0	230.2	204.7	187.8	177.3	171.8	169.9	171.8	177.3	187.8
115°	350.1	293.6	255.9	230.5	212.6	203.2	196.6	193.9	196.6	203.2	212.6
117.5°	368.3	316.3	280.6	254.2	237.5	227.2	221.3	218.7	221.3	227.2	237.5
120°	381.1	332.2	296.4	270.0	254.0	243.7	237.1	235.3	237.1	243.7	254.0
122.5°	393.1	347.2	311.4	285.9	268.3	258.7	252.1	250.3	252.1	258.7	268.3
125°	411.2	367.9	334.0	307.6	289.8	279.5	273.8	270.0	273.8	279.5	289.8
127.5°	426.8	387.1	354.4	327.8	309.2	297.4	290.6	287.6	290.6	297.4	309.2
130°	436.6	399.9	367.9	340.6	322.7	308.6	301.1	297.4	301.1	308.6	322.7
132.5°	446.4	410.5	378.4	352.7	333.3	319.9	310.1	307.1	310.1	319.9	333.3
135°	459.2	425.3	394.3	369.8	350.1	334.0	324.6	320.8	324.6	334.0	350.1
137.5°	468.3	436.6	407.6	384.3	363.7	348.6	338.2	334.6	338.2	348.6	363.7
140°	474.2	444.1	415.9	393.3	373.5	357.6	347.2	344.4	347.2	357.6	373.5
142.5°	478.7	450.9	423.4	401.6	382.6	367.3	357.8	355.0	357.8	367.3	382.6
145°	483.6	458.3	433.8	413.1	395.2	382.0	372.6	369.8	372.6	382.0	395.2
147.5°	488.0	465.8	442.8	424.1	409.3	395.8	387.5	386.5	387.5	395.8	409.3
150°	490.2	469.6	448.8	430.9	416.9	405.6	398.0	397.1	398.0	405.6	416.9
152.5°	491.7	472.6	454.1	437.7	425.1	414.6	407.1	406.9	407.1	414.6	425.1
155°	493.0	477.0	461.1	447.0	436.6	427.2	421.5	420.6	421.5	427.2	436.6
157.5°	493.0	480.2	466.7	455.6	446.6	439.2	433.9	433.9	433.9	439.2	446.6
160°	493.0	481.7	470.5	460.1	452.6	446.0	442.2	442.2	442.2	446.0	452.6
162.5°	493.0	483.2	472.8	464.7	457.9	452.0	449.0	449.8	449.0	452.0	457.9
165°	491.2	483.6	475.1	469.6	464.9	460.1	458.3	458.3	458.3	460.1	464.9
167.5°	488.9	483.4	477.2	473.0	470.3	466.7	465.8	466.7	465.8	466.7	470.3
170°	487.4	482.7	478.0	475.1	473.3	470.5	469.6	470.5	469.6	470.5	473.3
172.5°	485.9	481.9	478.7	476.6	475.5	473.4	473.3	474.2	473.3	473.4	475.5
175°	483.6	480.8	478.9	478.9	478.0	477.0	477.0	478.0	477.0	477.0	478.0
177.5°	481.2	479.7	478.9	478.9	478.9	478.2	478.9	479.7	478.9	478.2	478.9
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	893.8	890.9	887.0	882.6	877.3	872.7	870.6	872.3	873.3	870.9	870.6
5°	866.6	857.4	850.1	839.1	830.3	822.9	817.7	815.6	816.3	810.5	809.0
7.5°	835.9	825.1	813.1	800.0	787.9	777.1	771.5	768.4	762.1	759.5	755.0
10°	816.3	801.6	789.9	774.5	760.6	747.7	741.5	736.4	730.2	727.2	721.0
12.5°	796.1	779.1	766.2	750.2	735.9	720.5	714.5	705.0	695.2	689.1	681.1
15°	767.5	747.1	731.2	712.2	695.3	677.7	661.9	644.3	637.7	623.8	615.8
17.5°	734.1	713.3	693.8	668.3	642.2	620.4	603.5	586.7	576.6	567.7	563.5
20°	712.2	693.1	666.0	636.3	607.3	583.1	569.5	558.6	547.5	541.3	536.9
22.5°	691.4	667.0	635.5	603.4	574.5	555.5	544.0	532.7	523.8	517.8	512.0
25°	656.5	624.5	591.2	554.5	534.7	518.2	505.7	496.5	491.1	483.3	480.4
27.5°	620.6	581.9	545.1	520.5	499.8	484.7	473.9	467.0	460.1	455.1	451.3
30°	593.0	553.7	520.8	497.3	476.4	463.9	455.1	447.0	441.6	437.5	434.6
32.5°	565.7	526.5	498.7	473.5	457.0	444.9	435.5	429.4	425.1	419.9	418.1
35°	526.2	491.4	467.2	444.5	427.6	416.6	409.3	403.0	399.4	397.9	396.8
37.5°	488.3	459.8	433.8	415.1	400.1	391.4	382.8	379.8	377.2	374.6	375.8
40°	464.3	437.5	414.4	394.6	382.5	373.0	367.8	364.2	361.9	361.9	361.9
42.5°	443.5	417.3	394.7	377.0	364.9	356.8	351.1	348.0	347.3	346.9	348.7
45°	411.1	386.9	364.2	349.5	339.2	331.1	327.8	325.3	325.3	326.8	327.2
47.5°	379.1	356.4	338.1	321.7	312.3	307.3	304.3	303.0	303.2	304.6	306.3
50°	359.4	337.1	319.1	304.3	295.6	290.8	288.2	287.5	288.2	288.2	290.8
52.5°	338.0	317.9	300.3	287.9	278.0	273.5	272.1	271.1	271.5	272.7	273.8
55°	306.6	288.6	271.7	260.0	252.7	249.8	246.5	246.9	246.1	246.9	246.9
57.5°	275.1	259.0	243.3	233.9	227.5	223.3	219.7	220.6	219.6	219.4	218.9
60°	254.9	237.2	224.8	216.4	209.1	205.4	202.1	202.8	201.7	201.0	199.5
62.5°	232.9	218.2	206.3	198.2	192.3	188.0	184.7	184.0	181.4	179.0	175.7
65°	201.0	188.9	178.2	170.5	165.0	161.7	159.2	156.9	151.5	145.6	142.7
67.5°	169.9	161.2	151.3	144.8	140.3	136.0	131.1	127.3	122.2	118.9	117.2
70°	150.0	141.6	133.1	126.9	122.2	118.1	112.5	110.0	106.3	104.9	103.0
72.5°	130.9	123.1	115.2	109.6	104.5	101.3	97.1	94.4	92.8	92.3	90.4
75°	102.0	95.8	89.8	84.7	80.7	78.5	76.6	74.8	74.1	70.8	68.9
77.5°	74.4	70.2	66.6	63.0	60.0	58.6	55.0	53.0	51.7	50.1	49.8
80°	58.0	55.0	51.4	49.1	45.1	43.6	42.1	41.8	41.5	41.1	40.7
82.5°	43.5	40.6	36.9	35.6	34.6	33.6	32.8	32.4	32.0	32.2	32.2
85°	22.0	20.5	20.5	20.2	19.8	19.4	19.0	19.0	18.7	19.0	18.7
87.5°	8.9	8.6	9.7	9.0	9.8	10.2	9.6	9.8	10.4	9.9	9.9
90°	7.5	7.5	13.2	13.2	15.1	17.0	16.0	17.0	17.9	18.9	18.9
92.5°	49.7	69.3	117.1	190.1	261.2	298.5	248.6	184.8	139.1	110.7	91.8
95°	78.1	117.6	199.4	353.8	578.7	766.9	788.5	697.2	551.4	425.3	334.0
97.5°	94.4	127.6	190.7	318.0	541.6	807.7	990.6	1030.2	975.9	883.9	785.7
100°	107.3	137.4	192.9	299.3	491.2	756.5	997.4	1134.8	1153.6	1107.5	1037.8
102.5°	121.6	150.1	200.4	294.0	457.3	692.6	940.9	1129.5	1222.9	1236.2	1207.2
105°	145.8	173.1	218.3	296.4	428.1	617.3	838.4	1053.9	1216.6	1309.8	1348.4
107.5°	170.9	197.7	239.2	310.3	422.8	575.1	755.5	946.4	1119.7	1250.9	1334.8
110°	188.2	213.6	255.0	320.8	424.3	560.8	714.2	881.7	1044.4	1180.9	1284.4



TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	204.7	230.2	270.0	332.2	428.9	554.0	690.9	834.2	978.2	1107.1	1210.6
115°	230.5	255.9	293.6	350.1	437.5	550.4	669.0	786.6	902.4	1012.5	1102.8
117.5°	254.2	280.6	316.3	368.3	446.8	549.5	659.2	763.3	859.1	945.7	1022.3
120°	270.0	296.4	332.2	381.1	453.6	549.5	653.9	752.7	840.3	915.6	982.3
122.5°	285.9	311.4	347.2	393.1	460.3	548.7	647.9	743.8	828.2	896.7	955.3
125°	307.6	334.0	367.9	411.2	470.5	547.6	638.0	728.3	809.2	874.1	925.9
127.5°	327.8	354.4	387.1	426.8	478.5	545.5	624.6	709.5	786.8	851.6	900.7
130°	340.6	367.9	399.9	436.6	484.6	544.8	616.3	694.5	768.7	832.7	882.6
132.5°	352.7	378.4	410.5	446.4	489.8	544.0	608.8	678.6	748.5	810.9	860.8
135°	369.8	394.3	425.3	459.2	497.8	542.9	597.5	656.8	717.9	775.3	822.4
137.5°	384.3	407.6	436.6	468.3	502.5	542.7	587.7	637.1	688.8	737.2	779.7
140°	393.3	415.9	444.1	474.2	506.2	542.0	582.5	625.8	670.0	712.3	751.8
142.5°	401.6	423.4	450.9	478.7	509.3	542.0	578.0	615.2	654.1	690.5	724.7
145°	413.1	433.8	458.3	483.6	511.0	540.1	570.2	600.3	632.4	660.5	686.9
147.5°	424.1	442.8	465.8	488.0	511.9	536.7	563.3	588.1	613.5	636.1	656.8
150°	430.9	448.8	469.6	490.2	511.9	534.4	558.0	580.6	602.2	621.0	638.0
152.5°	437.7	454.1	472.6	491.7	510.4	530.7	552.0	572.3	590.9	608.2	622.2
155°	447.0	461.1	477.0	493.0	508.1	525.1	542.9	559.9	575.0	589.0	600.3
157.5°	455.6	466.7	480.2	493.0	505.7	519.2	533.7	546.5	559.1	571.0	580.0
160°	460.1	470.5	481.7	493.0	503.4	514.7	527.0	538.2	548.6	558.9	566.5
162.5°	464.7	472.8	483.2	493.0	501.1	510.2	520.9	529.9	538.8	546.9	553.6
165°	469.6	475.1	483.6	491.2	496.8	503.4	511.0	518.5	524.1	530.7	535.4
167.5°	473.0	477.2	483.4	488.9	492.3	496.6	501.9	507.4	511.7	517.0	519.8
170°	475.1	478.0	482.7	487.4	489.3	492.1	495.9	500.6	503.4	507.2	510.0
172.5°	476.6	478.7	481.9	485.9	486.3	487.6	490.6	494.6	496.6	498.9	501.0
175°	478.9	478.9	480.8	483.6	482.7	482.7	484.6	486.4	487.4	489.3	489.3
177.5°	478.9	478.9	479.7	481.2	479.7	479.7	480.4	481.2	481.9	481.9	482.7
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	868.8	869.4	867.4	866.8	867.4	869.4	868.8	870.6	870.9	873.3	872.3
5°	806.1	805.3	803.5	803.9	803.5	805.3	806.1	809.0	810.5	816.3	815.6
7.5°	752.3	749.5	750.4	747.3	750.4	749.5	752.3	755.0	759.5	762.1	768.4
10°	719.5	715.5	712.2	709.3	712.2	715.5	719.5	721.0	727.2	730.2	736.4
12.5°	674.7	671.2	666.7	667.6	666.7	671.2	674.7	681.1	689.1	695.2	705.0
15°	611.0	605.5	596.6	597.8	596.6	605.5	611.0	615.8	623.8	637.7	644.3
17.5°	557.0	557.1	553.1	554.0	553.1	557.1	557.0	563.5	567.7	576.6	586.7
20°	529.1	526.6	527.0	525.8	527.0	526.6	529.1	536.9	541.3	547.5	558.6
22.5°	509.8	506.7	504.1	501.8	504.1	506.7	509.8	512.0	517.8	523.8	532.7
25°	477.1	474.9	471.6	470.9	471.6	474.9	477.1	480.4	483.3	491.1	496.5
27.5°	448.4	447.9	446.6	444.9	446.6	447.9	448.4	451.3	455.1	460.1	467.0
30°	431.6	430.9	430.2	429.0	430.2	430.9	431.6	434.6	437.5	441.6	447.0
32.5°	416.7	416.2	415.5	415.6	415.5	416.2	416.7	418.1	419.9	425.1	429.4
35°	395.3	394.9	394.3	393.9	394.3	394.9	395.3	396.8	397.9	399.4	403.0
37.5°	375.4	376.4	375.9	375.8	375.9	376.4	375.4	375.8	374.6	377.2	379.8
40°	361.6	361.9	362.7	362.3	362.7	361.9	361.6	361.9	361.9	361.9	364.2
42.5°	350.2	350.2	351.3	350.0	351.3	350.2	350.2	348.7	346.9	347.3	348.0
45°	329.7	331.9	331.5	331.5	331.5	331.9	329.7	327.2	326.8	325.3	325.3
47.5°	307.3	309.2	309.7	309.6	309.7	309.2	307.3	306.3	304.6	303.2	303.0
50°	292.7	291.9	293.0	292.7	293.0	291.9	292.7	290.8	288.2	288.2	287.5
52.5°	274.8	274.9	274.8	274.5	274.8	274.9	274.8	273.8	272.7	271.5	271.1
55°	247.1	247.5	246.9	247.1	246.9	247.5	247.1	246.9	246.9	246.1	246.9
57.5°	217.3	215.5	216.2	215.4	216.2	215.5	217.3	218.9	219.4	219.6	220.6
60°	195.9	192.9	192.2	190.7	192.2	192.9	195.9	199.5	201.0	201.7	202.8
62.5°	171.7	169.8	167.2	168.4	167.2	169.8	171.7	175.7	179.0	181.4	184.0
65°	139.7	138.3	137.1	138.6	137.1	138.3	139.7	142.7	145.6	151.5	156.9
67.5°	115.6	114.9	114.9	114.1	114.9	114.9	115.6	117.2	118.9	122.2	127.3
70°	103.0	102.0	102.0	101.2	102.0	102.0	103.0	103.0	104.9	106.3	110.0
72.5°	90.1	89.1	89.4	88.9	89.4	89.1	90.1	90.4	92.3	92.8	94.4
75°	66.7	64.9	64.9	65.3	64.9	64.9	66.7	68.9	70.8	74.1	74.8
77.5°	49.8	49.4	50.0	49.3	50.0	49.4	49.8	49.8	50.1	51.7	53.0
80°	40.7	40.3	40.0	41.1	40.0	40.3	40.7	40.7	41.1	41.5	41.8
82.5°	31.6	31.6	31.5	32.9	31.5	31.6	31.6	32.2	32.2	32.0	32.4
85°	19.0	18.4	19.0	18.4	19.0	18.4	19.0	18.7	19.0	18.7	19.0
87.5°	10.7	10.6	10.1	10.4	10.1	10.6	10.7	9.9	9.9	10.4	9.8
90°	19.8	20.7	19.8	19.8	19.8	20.7	19.8	18.9	18.9	17.9	17.0
92.5°	80.8	75.7	72.5	72.5	72.5	75.7	80.8	91.8	110.7	139.1	184.8
95°	287.9	258.7	241.9	229.6	241.9	258.7	287.9	334.0	425.3	551.4	697.2
97.5°	718.1	661.5	633.3	613.7	633.3	661.5	718.1	785.7	883.9	975.9	1030.2
100°	956.0	898.6	870.3	862.9	870.3	898.6	956.0	1037.8	1107.5	1153.6	1134.8
102.5°	1157.0	1115.4	1085.7	1079.7	1085.7	1115.4	1157.0	1207.2	1236.2	1222.9	1129.5
105°	1350.3	1342.7	1329.6	1323.9	1329.6	1342.7	1350.3	1348.4	1309.8	1216.6	1053.9
107.5°	1381.3	1402.8	1412.2	1414.7	1412.2	1402.8	1381.3	1334.8	1250.9	1119.7	946.4
110°	1351.2	1390.7	1407.7	1416.2	1407.7	1390.7	1351.2	1284.4	1180.9	1044.4	881.7

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1286.5	1334.3	1358.0	1371.7	1358.0	1334.3	1286.5	1210.6	1107.1	978.2	834.2
115°	1177.1	1233.6	1263.7	1271.2	1263.7	1233.6	1177.1	1102.8	1012.5	902.4	786.6
117.5°	1085.7	1133.1	1163.6	1169.4	1163.6	1133.1	1085.7	1022.3	945.7	859.1	763.3
120°	1035.9	1077.4	1101.8	1112.2	1101.8	1077.4	1035.9	982.3	915.6	840.3	752.7
122.5°	1000.6	1035.9	1056.7	1067.1	1056.7	1035.9	1000.6	955.3	896.7	828.2	743.8
125°	963.6	990.8	1008.7	1014.4	1008.7	990.8	963.6	925.9	874.1	809.2	728.3
127.5°	938.5	962.8	977.8	983.4	977.8	962.8	938.5	900.7	851.6	786.8	709.5
130°	921.1	944.7	959.8	965.4	959.8	944.7	921.1	882.6	832.7	768.7	694.5
132.5°	898.6	925.1	939.4	945.1	939.4	925.1	898.6	860.8	810.9	748.5	678.6
135°	860.1	886.4	901.4	907.1	901.4	886.4	860.1	822.4	775.3	717.9	656.8
137.5°	814.8	840.8	853.3	860.1	853.3	840.8	814.8	779.7	737.2	688.8	637.1
140°	784.8	805.5	818.6	826.1	818.6	805.5	784.8	751.8	712.3	670.0	625.8
142.5°	753.8	773.1	784.8	790.0	784.8	773.1	753.8	724.7	690.5	654.1	615.2
145°	710.4	726.4	735.8	740.6	735.8	726.4	710.4	686.9	660.5	632.4	600.3
147.5°	674.1	687.9	695.0	696.6	695.0	687.9	674.1	656.8	636.1	613.5	588.1
150°	653.0	665.2	670.9	671.8	670.9	665.2	653.0	638.0	621.0	602.2	580.6
152.5°	635.0	644.9	648.3	649.2	648.3	644.9	635.0	622.2	608.2	590.9	572.3
155°	609.7	617.3	620.1	620.1	620.1	617.3	609.7	600.3	589.0	575.0	559.9
157.5°	587.1	592.8	594.5	594.5	594.5	592.8	587.1	580.0	571.0	559.1	546.5
160°	572.1	577.8	578.7	578.7	578.7	577.8	572.1	566.5	558.9	548.6	538.2
162.5°	557.8	563.5	564.4	563.6	564.4	563.5	557.8	553.6	546.9	538.8	529.9
165°	539.1	542.9	542.0	541.0	542.0	542.9	539.1	535.4	530.7	524.1	518.5
167.5°	521.7	524.1	524.0	523.2	524.0	524.1	521.7	519.8	517.0	511.7	507.4
170°	511.9	512.8	511.9	511.9	511.9	512.8	511.9	510.0	507.2	503.4	500.6
172.5°	502.1	503.0	502.1	500.6	502.1	503.0	502.1	501.0	498.9	496.6	494.6
175°	489.3	491.2	489.3	487.4	489.3	491.2	489.3	489.3	489.3	487.4	486.4
177.5°	481.9	482.7	481.2	479.7	481.2	482.7	481.9	482.7	481.9	481.9	481.2
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	870.6	872.7	877.3	882.6	887.0	890.9	893.8	897.9	901.7	907.0	912.0
5°	817.7	822.9	830.3	839.1	850.1	857.4	866.6	874.7	886.4	898.1	909.5
7.5°	771.5	777.1	787.9	800.0	813.1	825.1	835.9	850.2	865.7	882.9	901.9
10°	741.5	747.7	760.6	774.5	789.9	801.6	816.3	833.2	850.8	871.7	895.1
12.5°	714.5	720.5	735.9	750.2	766.2	779.1	796.1	813.2	836.7	859.4	886.1
15°	661.9	677.7	695.3	712.2	731.2	747.1	767.5	785.1	807.6	839.4	869.9
17.5°	603.5	620.4	642.2	668.3	693.8	713.3	734.1	756.0	782.7	815.2	850.4
20°	569.5	583.1	607.3	636.3	666.0	693.1	712.2	736.4	763.9	799.1	835.4
22.5°	544.0	555.5	574.5	603.4	635.5	667.0	691.4	715.3	745.7	780.9	820.5
25°	505.7	518.2	534.7	554.5	591.2	624.5	656.5	683.9	716.2	751.4	795.4
27.5°	473.9	484.7	499.8	520.5	545.1	581.9	620.6	652.0	685.0	722.8	766.9
30°	455.1	463.9	476.4	497.3	520.8	553.7	593.0	629.7	663.1	702.3	748.1
32.5°	435.5	444.9	457.0	473.5	498.7	526.5	565.7	605.9	641.3	681.5	726.4
35°	409.3	416.6	427.6	444.5	467.2	491.4	526.2	567.7	605.1	648.0	690.9
37.5°	382.8	391.4	400.1	415.1	433.8	459.8	488.3	530.7	572.1	611.2	653.2
40°	367.8	373.0	382.5	394.6	414.4	437.5	464.3	505.7	547.1	586.1	628.2
42.5°	351.1	356.8	364.9	377.0	394.7	417.3	443.5	479.3	522.5	560.2	598.6
45°	327.8	331.1	339.2	349.5	364.2	386.9	411.1	443.0	483.7	519.6	553.4
47.5°	304.3	307.3	312.3	321.7	338.1	356.4	379.1	407.6	443.4	479.3	507.8
50°	288.2	290.8	295.6	304.3	319.1	337.1	359.4	385.0	417.0	451.5	475.2
52.5°	272.1	273.5	278.0	287.9	300.3	317.9	338.0	361.6	391.4	420.1	444.2
55°	246.5	249.8	252.7	260.0	271.7	288.6	306.6	328.9	352.0	376.3	396.8
57.5°	219.7	223.3	227.5	233.9	243.3	259.0	275.1	293.2	312.9	333.1	350.2
60°	202.1	205.4	209.1	216.4	224.8	237.2	254.9	270.6	285.7	304.0	321.2
62.5°	184.7	188.0	192.3	198.2	206.3	218.2	232.9	246.6	262.2	278.2	291.1
65°	159.2	161.7	165.0	170.5	178.2	188.9	201.0	211.6	225.6	237.2	249.0
67.5°	131.1	136.0	140.3	144.8	151.3	161.2	169.9	180.1	189.6	198.3	209.1
70°	112.5	118.1	122.2	126.9	133.1	141.6	150.0	156.9	164.7	173.1	182.7
72.5°	97.1	101.3	104.5	109.6	115.2	123.1	130.9	136.7	143.0	148.7	158.0
75°	76.6	78.5	80.7	84.7	89.8	95.8	102.0	107.1	110.7	115.8	122.5
77.5°	55.0	58.6	60.0	63.0	66.6	70.2	74.4	78.7	82.2	84.1	89.1
80°	42.1	43.6	45.1	49.1	51.4	55.0	58.0	62.0	63.4	65.3	70.0
82.5°	32.8	33.6	34.6	35.6	36.9	40.6	43.5	46.1	47.6	48.3	51.8
85°	19.0	19.4	19.8	20.2	20.5	20.5	22.0	23.8	26.4	26.4	27.5
87.5°	9.6	10.2	9.8	9.0	9.7	8.6	8.9	8.7	9.3	9.6	10.2
90°	16.0	17.0	15.1	13.2	13.2	7.5	7.5	6.6	5.7	2.8	0.9
92.5°	248.6	298.5	261.2	190.1	117.1	69.3	49.7	35.9	24.5	15.6	10.7
95°	788.5	766.9	578.7	353.8	199.4	117.6	78.1	55.5	43.3	33.8	31.0
97.5°	990.6	807.7	541.6	318.0	190.7	127.6	94.4	75.1	63.8	55.7	55.7
100°	997.4	756.5	491.2	299.3	192.9	137.4	107.3	89.4	78.1	71.5	71.5
102.5°	940.9	692.6	457.3	294.0	200.4	150.1	121.6	104.4	93.9	88.0	86.5
105°	838.4	617.3	428.1	296.4	218.3	173.1	145.8	128.9	117.6	112.9	110.1
107.5°	755.5	575.1	422.8	310.3	239.2	197.7	170.9	154.7	142.6	138.0	136.1
110°	714.2	560.8	424.3	320.8	255.0	213.6	188.2	171.3	159.9	155.2	153.4

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	690.9	554.0	428.9	332.2	270.0	230.2	204.7	187.8	177.3	171.8	169.9
115°	669.0	550.4	437.5	350.1	293.6	255.9	230.5	212.6	203.2	196.6	193.9
117.5°	659.2	549.5	446.8	368.3	316.3	280.6	254.2	237.5	227.2	221.3	218.7
120°	653.9	549.5	453.6	381.1	332.2	296.4	270.0	254.0	243.7	237.1	235.3
122.5°	647.9	548.7	460.3	393.1	347.2	311.4	285.9	268.3	258.7	252.1	250.3
125°	638.0	547.6	470.5	411.2	367.9	334.0	307.6	289.8	279.5	273.8	270.0
127.5°	624.6	545.5	478.5	426.8	387.1	354.4	327.8	309.2	297.4	290.6	287.6
130°	616.3	544.8	484.6	436.6	399.9	367.9	340.6	322.7	308.6	301.1	297.4
132.5°	608.8	544.0	489.8	446.4	410.5	378.4	352.7	333.3	319.9	310.1	307.1
135°	597.5	542.9	497.8	459.2	425.3	394.3	369.8	350.1	334.0	324.6	320.8
137.5°	587.7	542.7	502.5	468.3	436.6	407.6	384.3	363.7	348.6	338.2	334.6
140°	582.5	542.0	506.2	474.2	444.1	415.9	393.3	373.5	357.6	347.2	344.4
142.5°	578.0	542.0	509.3	478.7	450.9	423.4	401.6	382.6	367.3	357.8	355.0
145°	570.2	540.1	511.0	483.6	458.3	433.8	413.1	395.2	382.0	372.6	369.8
147.5°	563.3	536.7	511.9	488.0	465.8	442.8	424.1	409.3	395.8	387.5	386.5
150°	558.0	534.4	511.9	490.2	469.6	448.8	430.9	416.9	405.6	398.0	397.1
152.5°	552.0	530.7	510.4	491.7	472.6	454.1	437.7	425.1	414.6	407.1	406.9
155°	542.9	525.1	508.1	493.0	477.0	461.1	447.0	436.6	427.2	421.5	420.6
157.5°	533.7	519.2	505.7	493.0	480.2	466.7	455.6	446.6	439.2	433.9	433.9
160°	527.0	514.7	503.4	493.0	481.7	470.5	460.1	452.6	446.0	442.2	442.2
162.5°	520.9	510.2	501.1	493.0	483.2	472.8	464.7	457.9	452.0	449.0	449.8
165°	511.0	503.4	496.8	491.2	483.6	475.1	469.6	464.9	460.1	458.3	458.3
167.5°	501.9	496.6	492.3	488.9	483.4	477.2	473.0	470.3	466.7	465.8	466.7
170°	495.9	492.1	489.3	487.4	482.7	478.0	475.1	473.3	470.5	469.6	470.5
172.5°	490.6	487.6	486.3	485.9	481.9	478.7	476.6	475.5	473.4	473.3	474.2
175°	484.6	482.7	482.7	483.6	480.8	478.9	478.9	478.0	477.0	477.0	478.0
177.5°	480.4	479.7	479.7	481.2	479.7	478.9	478.9	478.9	478.2	478.9	479.7
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

TEST NUMBER: P332915-830

CATALOG NUMBER: SA4XXRDIP-C575D1035U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	915.8	918.4	921.3	926.9	931.6	933.7	937.8	940.8	939.8	944.0	951.0
5°	919.4	929.3	940.7	952.3	965.5	976.6	985.4	994.2	1001.2	1009.6	1022.1
7.5°	918.8	936.4	955.5	976.6	998.2	1016.9	1034.3	1051.9	1067.4	1084.6	1106.9
10°	916.4	939.9	963.7	991.3	1018.8	1044.8	1068.3	1090.2	1111.2	1133.5	1161.8
12.5°	913.8	940.8	969.6	1002.7	1037.0	1068.3	1095.9	1127.6	1153.7	1182.5	1215.2
15°	902.1	938.5	977.7	1020.6	1061.7	1103.8	1141.6	1180.5	1216.8	1251.2	1292.3
17.5°	888.8	930.7	976.9	1027.7	1077.0	1128.2	1173.1	1222.1	1259.1	1305.4	1343.6
20°	878.0	923.0	972.5	1029.4	1085.5	1142.4	1191.8	1241.7	1283.6	1330.1	1378.6
22.5°	864.8	914.3	967.9	1026.7	1085.5	1147.6	1202.4	1252.0	1303.8	1356.2	1406.1
25°	843.5	894.8	951.7	1016.2	1083.6	1147.1	1205.8	1267.4	1323.1	1380.0	1424.7
27.5°	817.4	871.3	931.2	997.8	1067.1	1132.0	1201.1	1266.8	1322.9	1377.5	1416.5
30°	796.5	853.4	911.0	978.5	1050.3	1120.0	1194.0	1259.7	1318.7	1367.9	1389.9
32.5°	775.1	829.1	888.3	956.7	1030.4	1105.3	1178.8	1245.9	1300.5	1330.0	1330.6
35°	737.8	788.4	850.1	917.2	992.7	1074.1	1148.6	1214.6	1247.9	1250.6	1214.6
37.5°	697.2	743.7	801.8	869.0	951.7	1032.7	1108.7	1152.7	1163.9	1126.6	1060.2
40°	668.2	711.1	767.2	836.1	918.3	1001.9	1071.2	1103.4	1091.7	1031.2	957.2
42.5°	637.6	677.6	731.7	799.7	882.2	966.7	1025.8	1043.0	1011.9	942.1	855.4
45°	587.9	624.5	678.1	746.7	825.9	905.1	949.8	941.0	889.3	806.4	709.3
47.5°	536.0	571.5	619.6	683.1	764.2	832.5	862.8	836.3	762.7	671.6	592.5
50°	501.7	538.0	582.4	642.9	717.0	783.0	802.4	762.0	680.2	592.7	520.0
52.5°	468.0	499.0	542.4	600.9	671.8	727.5	737.8	691.4	606.9	528.4	464.0
55°	416.6	444.9	481.5	536.5	597.8	645.1	639.6	579.8	503.1	436.0	385.4
57.5°	366.9	388.2	422.1	473.6	527.4	559.2	539.0	488.1	416.7	361.7	319.1
60°	334.1	353.9	385.4	430.6	477.9	495.8	478.9	423.6	367.1	316.9	280.9
62.5°	303.0	320.5	347.6	389.5	427.6	438.3	420.3	371.9	321.0	278.1	248.4
65°	257.8	273.9	297.1	326.8	353.2	358.3	346.6	297.1	258.5	222.6	202.1
67.5°	216.8	227.3	245.4	271.1	285.1	288.1	265.4	234.3	200.4	178.3	162.9
70°	189.3	196.5	213.4	227.3	238.7	239.1	218.2	193.2	167.2	149.3	137.9
72.5°	162.5	169.6	182.4	191.9	200.6	197.7	178.6	158.9	137.9	124.3	115.8
75°	125.5	131.7	138.3	142.7	142.7	139.0	125.1	110.4	98.3	90.2	87.7
77.5°	91.1	96.3	98.5	97.8	96.5	90.8	82.0	72.4	68.1	64.3	62.3
80°	71.5	73.7	74.5	72.6	70.4	63.8	58.0	53.9	49.9	48.4	47.7
82.5°	53.1	55.0	53.1	53.5	48.7	43.3	40.1	38.6	36.9	36.4	35.6
85°	28.3	27.9	27.1	25.3	22.0	21.3	20.9	20.5	19.8	20.2	19.4
87.5°	10.3	9.9	9.0	8.9	8.9	9.4	9.7	10.1	10.5	10.0	10.7
90°	2.8	5.7	6.6	7.5	7.5	13.2	13.2	15.1	17.0	16.0	17.0
92.5°	15.6	24.5	35.9	49.7	69.3	117.1	190.1	261.2	298.5	248.6	184.8
95°	33.8	43.3	55.5	78.1	117.6	199.4	353.8	578.7	766.9	788.5	697.2
97.5°	55.7	63.8	75.1	94.4	127.6	190.7	318.0	541.6	807.7	990.6	1030.2
100°	71.5	78.1	89.4	107.3	137.4	192.9	299.3	491.2	756.5	997.4	1134.8
102.5°	88.0	93.9	104.4	121.6	150.1	200.4	294.0	457.3	692.6	940.9	1129.5
105°	112.9	117.6	128.9	145.8	173.1	218.3	296.4	428.1	617.3	838.4	1053.9
107.5°	138.0	142.6	154.7	170.9	197.7	239.2	310.3	422.8	575.1	755.5	946.4
110°	155.2	159.9	171.3	188.2	213.6	255.0	320.8	424.3	560.8	714.2	881.7

TEST NUMBER: P332915-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.8	177.3	187.8	204.7	230.2	270.0	332.2	428.9	554.0	690.9	834.2
115°	196.6	203.2	212.6	230.5	255.9	293.6	350.1	437.5	550.4	669.0	786.6
117.5°	221.3	227.2	237.5	254.2	280.6	316.3	368.3	446.8	549.5	659.2	763.3
120°	237.1	243.7	254.0	270.0	296.4	332.2	381.1	453.6	549.5	653.9	752.7
122.5°	252.1	258.7	268.3	285.9	311.4	347.2	393.1	460.3	548.7	647.9	743.8
125°	273.8	279.5	289.8	307.6	334.0	367.9	411.2	470.5	547.6	638.0	728.3
127.5°	290.6	297.4	309.2	327.8	354.4	387.1	426.8	478.5	545.5	624.6	709.5
130°	301.1	308.6	322.7	340.6	367.9	399.9	436.6	484.6	544.8	616.3	694.5
132.5°	310.1	319.9	333.3	352.7	378.4	410.5	446.4	489.8	544.0	608.8	678.6
135°	324.6	334.0	350.1	369.8	394.3	425.3	459.2	497.8	542.9	597.5	656.8
137.5°	338.2	348.6	363.7	384.3	407.6	436.6	468.3	502.5	542.7	587.7	637.1
140°	347.2	357.6	373.5	393.3	415.9	444.1	474.2	506.2	542.0	582.5	625.8
142.5°	357.8	367.3	382.6	401.6	423.4	450.9	478.7	509.3	542.0	578.0	615.2
145°	372.6	382.0	395.2	413.1	433.8	458.3	483.6	511.0	540.1	570.2	600.3
147.5°	387.5	395.8	409.3	424.1	442.8	465.8	488.0	511.9	536.7	563.3	588.1
150°	398.0	405.6	416.9	430.9	448.8	469.6	490.2	511.9	534.4	558.0	580.6
152.5°	407.1	414.6	425.1	437.7	454.1	472.6	491.7	510.4	530.7	552.0	572.3
155°	421.5	427.2	436.6	447.0	461.1	477.0	493.0	508.1	525.1	542.9	559.9
157.5°	433.9	439.2	446.6	455.6	466.7	480.2	493.0	505.7	519.2	533.7	546.5
160°	442.2	446.0	452.6	460.1	470.5	481.7	493.0	503.4	514.7	527.0	538.2
162.5°	449.0	452.0	457.9	464.7	472.8	483.2	493.0	501.1	510.2	520.9	529.9
165°	458.3	460.1	464.9	469.6	475.1	483.6	491.2	496.8	503.4	511.0	518.5
167.5°	465.8	466.7	470.3	473.0	477.2	483.4	488.9	492.3	496.6	501.9	507.4
170°	469.6	470.5	473.3	475.1	478.0	482.7	487.4	489.3	492.1	495.9	500.6
172.5°	473.3	473.4	475.5	476.6	478.7	481.9	485.9	486.3	487.6	490.6	494.6
175°	477.0	477.0	478.0	478.9	478.9	480.8	483.6	482.7	482.7	484.6	486.4
177.5°	478.9	478.2	478.9	478.9	478.9	479.7	481.2	479.7	479.7	480.4	481.2
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	954.8	956.0	956.9	959.8	960.1	962.7	960.1
5°	1033.8	1039.0	1047.0	1055.1	1055.8	1060.9	1051.8
7.5°	1122.4	1134.3	1141.7	1154.7	1159.9	1163.1	1157.8
10°	1183.5	1194.4	1213.9	1223.4	1232.9	1234.4	1230.0
12.5°	1242.4	1259.8	1275.2	1293.3	1292.8	1305.7	1301.0
15°	1321.0	1338.9	1360.2	1380.4	1387.7	1387.7	1393.5
17.5°	1377.0	1409.9	1431.9	1447.7	1465.1	1468.1	1466.0
20°	1414.9	1450.4	1473.9	1494.4	1506.2	1509.5	1509.5
22.5°	1443.0	1473.3	1496.2	1514.7	1524.4	1528.2	1527.0
25°	1462.5	1488.6	1502.5	1508.0	1510.5	1509.8	1502.9
27.5°	1435.8	1434.6	1425.8	1408.9	1396.3	1388.6	1379.8
30°	1384.8	1365.6	1343.7	1319.5	1288.3	1264.4	1257.2
32.5°	1308.8	1265.9	1228.7	1188.4	1154.8	1131.0	1121.0
35°	1161.8	1093.9	1038.6	990.1	955.0	932.9	925.6
37.5°	987.4	921.7	853.2	806.3	777.0	754.8	746.5
40°	876.5	804.9	745.2	701.2	671.1	649.5	649.1
42.5°	775.2	707.0	650.7	619.1	586.6	572.3	572.2
45°	634.8	580.1	532.4	507.6	488.1	476.4	473.1
47.5°	525.6	480.4	448.7	428.8	412.9	405.5	400.6
50°	464.3	424.7	399.4	382.1	373.3	363.8	363.1
52.5°	413.2	381.3	361.6	347.5	336.4	330.6	330.8
55°	347.3	322.0	308.0	297.4	288.6	284.2	282.4
57.5°	292.6	273.6	263.4	253.7	250.0	246.5	245.5
60°	258.5	245.7	236.2	228.5	223.0	221.9	221.5
62.5°	230.4	217.0	210.4	204.4	200.4	198.7	198.0
65°	189.9	180.0	174.2	169.5	168.0	165.4	165.0
67.5°	153.2	147.2	143.4	140.1	138.0	137.9	137.9
70°	130.5	127.2	123.9	122.2	121.0	120.3	120.3
72.5°	111.2	108.8	106.0	105.1	104.9	104.2	103.9
75°	84.7	82.2	82.5	80.7	79.2	77.4	76.3
77.5°	60.0	58.2	57.9	57.7	56.4	56.2	56.7
80°	46.6	44.8	44.4	44.8	44.4	43.3	43.3
82.5°	35.4	33.9	33.6	33.3	32.9	33.3	32.7
85°	19.0	18.4	18.4	18.4	19.0	18.7	18.4
87.5°	10.4	10.2	10.6	10.4	10.6	10.1	10.4
90°	17.9	18.9	18.9	19.8	20.7	19.8	19.8
92.5°	139.1	110.7	91.8	80.8	75.7	72.5	72.5
95°	551.4	425.3	334.0	287.9	258.7	241.9	229.6
97.5°	975.9	883.9	785.7	718.1	661.5	633.3	613.7
100°	1153.6	1107.5	1037.8	956.0	898.6	870.3	862.9
102.5°	1222.9	1236.2	1207.2	1157.0	1115.4	1085.7	1079.7
105°	1216.6	1309.8	1348.4	1350.3	1342.7	1329.6	1323.9
107.5°	1119.7	1250.9	1334.8	1381.3	1402.8	1412.2	1414.7
110°	1044.4	1180.9	1284.4	1351.2	1390.7	1407.7	1416.2

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	978.2	1107.1	1210.6	1286.5	1334.3	1358.0	1371.7
115°	902.4	1012.5	1102.8	1177.1	1233.6	1263.7	1271.2
117.5°	859.1	945.7	1022.3	1085.7	1133.1	1163.6	1169.4
120°	840.3	915.6	982.3	1035.9	1077.4	1101.8	1112.2
122.5°	828.2	896.7	955.3	1000.6	1035.9	1056.7	1067.1
125°	809.2	874.1	925.9	963.6	990.8	1008.7	1014.4
127.5°	786.8	851.6	900.7	938.5	962.8	977.8	983.4
130°	768.7	832.7	882.6	921.1	944.7	959.8	965.4
132.5°	748.5	810.9	860.8	898.6	925.1	939.4	945.1
135°	717.9	775.3	822.4	860.1	886.4	901.4	907.1
137.5°	688.8	737.2	779.7	814.8	840.8	853.3	860.1
140°	670.0	712.3	751.8	784.8	805.5	818.6	826.1
142.5°	654.1	690.5	724.7	753.8	773.1	784.8	790.0
145°	632.4	660.5	686.9	710.4	726.4	735.8	740.6
147.5°	613.5	636.1	656.8	674.1	687.9	695.0	696.6
150°	602.2	621.0	638.0	653.0	665.2	670.9	671.8
152.5°	590.9	608.2	622.2	635.0	644.9	648.3	649.2
155°	575.0	589.0	600.3	609.7	617.3	620.1	620.1
157.5°	559.1	571.0	580.0	587.1	592.8	594.5	594.5
160°	548.6	558.9	566.5	572.1	577.8	578.7	578.7
162.5°	538.8	546.9	553.6	557.8	563.5	564.4	563.6
165°	524.1	530.7	535.4	539.1	542.9	542.0	541.0
167.5°	511.7	517.0	519.8	521.7	524.1	524.0	523.2
170°	503.4	507.2	510.0	511.9	512.8	511.9	511.9
172.5°	496.6	498.9	501.0	502.1	503.0	502.1	500.6
175°	487.4	489.3	489.3	489.3	491.2	489.3	487.4
177.5°	481.9	481.9	482.7	481.9	482.7	481.2	479.7
180°	478.9	478.9	478.9	478.9	478.9	478.9	478.9

(END OF REPORT)