

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: P332921-935

Luminaire Tested: **SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332921-935  
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-C575D1205U935-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5808.3 lumens  
Efficiency: N/A  
Efficacy: 117.6 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

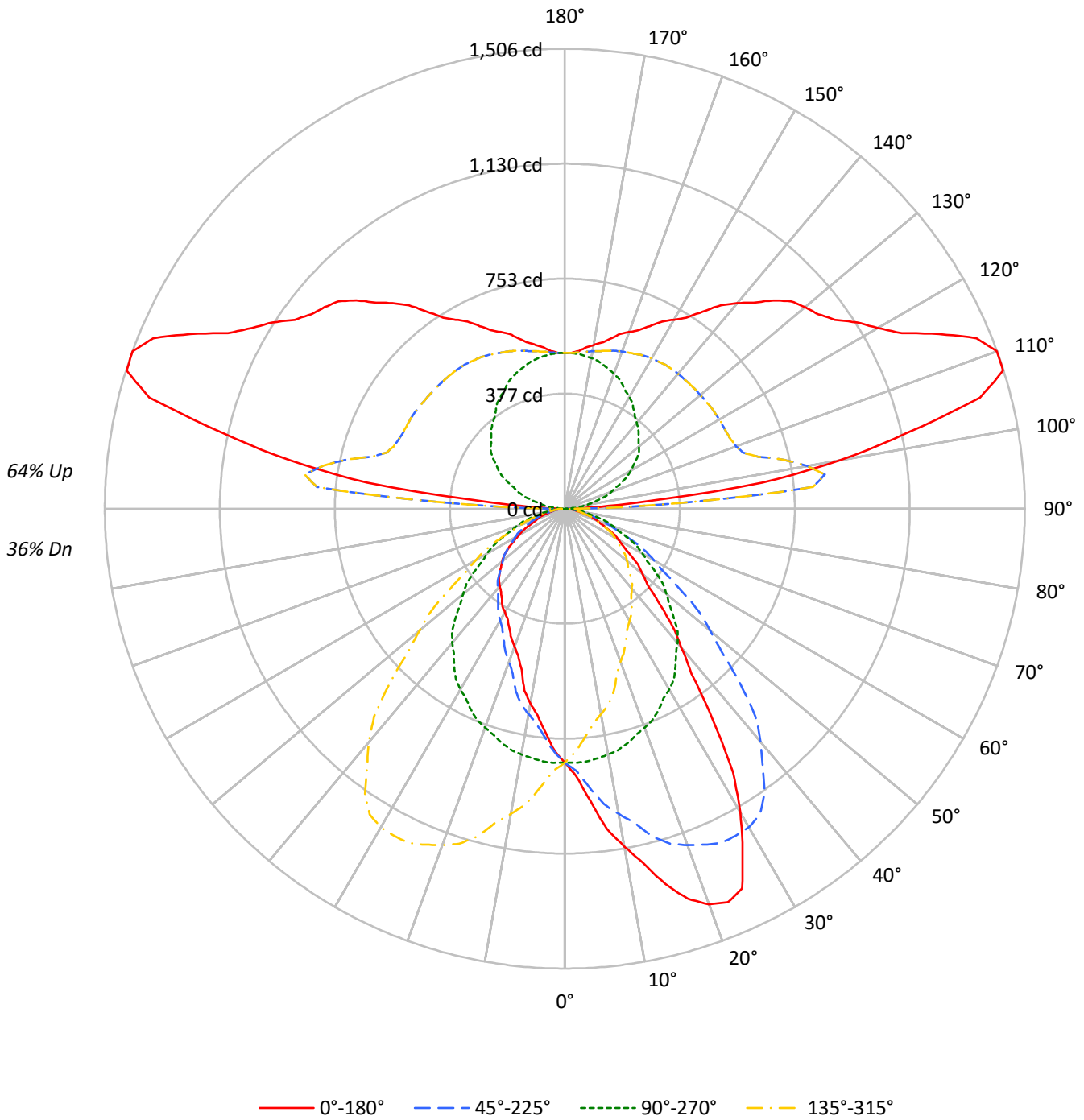
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36				36
1	95	91	87	84	86	83	79	77	67	65	63	52	51	50	39	38	37	31				31
2	87	80	74	69	78	72	68	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	63	58	72	64	58	53	52	48	44	41	38	36	31	29	28	23				23
4	73	62	55	49	66	57	50	45	46	42	38	37	34	31	28	26	24	20				20
5	67	56	48	42	60	51	44	39	42	37	33	33	30	27	25	23	21	17				17
6	61	50	42	37	56	46	39	34	38	32	29	30	26	24	23	20	19	15				15
7	57	45	37	32	51	41	35	30	34	29	25	27	24	21	21	18	17	14				14
8	53	41	33	28	48	37	31	26	31	26	22	25	21	19	19	17	15	12				12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	18	15	13	11				11
10	46	34	27	22	41	31	25	21	26	21	18	21	18	15	17	14	12	10				10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	6713	6713	6713	6713
5°	7786	6733	5951	6733
10°	9211	6703	5311	6703
15°	10639	6641	4563	6641
20°	11846	6556	4127	6556
25°	12229	6472	3832	6472
30°	10705	6371	3653	6371
35°	8333	6220	3546	6220
40°	6249	6048	3488	6048
45°	4933	5771	3457	5771
50°	4166	5452	3357	5452
55°	3631	5102	3178	5102
60°	3266	4737	2813	4737
65°	2881	4346	2420	4346
70°	2594	3939	2183	3939
75°	2174	3490	1862	3490
80°	1836	2975	1743	2975
85°	1556	2325	1556	2325



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.6	1.4
10°-20°	243.0	4.2
20°-30°	380.1	6.5
30°-40°	422.5	7.3
40°-50°	374.9	6.5
50°-60°	292.1	5.0
60°-70°	191.3	3.3
70°-80°	94.1	1.6
80°-90°	26.0	0.4
90°-100°	367.8	6.3
100°-110°	765.5	13.2
110°-120°	685.7	11.8
120°-130°	576.8	9.9
130°-140°	480.9	8.3
140°-150°	367.4	6.3
150°-160°	258.2	4.4
160°-170°	151.9	2.6
170°-180°	49.4	0.9
0°-30°	703.7	12.1
0°-40°	1126.2	19.4
0°-60°	1793.2	30.9
0°-90°	2104.6	36.2
90°-120°	1819.0	31.3
90°-150°	3244.1	55.9
90°-180°	3704.0	63.8
0°-180°	5808.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	832	832	832	832	832	
5°	961	831	734	831	961	97
15°	1273	795	546	795	1273	362
25°	1373	727	430	727	1373	609
35°	846	631	360	631	846	530
45°	432	506	303	506	432	342
55°	258	362	226	362	258	235
65°	151	228	127	228	151	152
75°	70	112	60	112	70	77
85°	17	25	17	25	17	19
90°	21	1	21	1	21	18
95°	244	33	244	33	244	379
105°	1408	117	1408	117	1408	1392
115°	1352	206	1352	206	1352	1342
125°	1078	287	1078	287	1078	980
135°	964	341	964	341	964	744
145°	787	393	787	393	787	499
155°	659	447	659	447	659	308
165°	575	487	575	487	575	165
175°	518	508	518	508	518	50
180°	509	509	509	509	509	



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	877.0	879.4	877.0	876.8	874.1	873.3	872.2	868.7	862.3	858.5	859.4
5°	960.8	969.1	964.5	963.8	956.4	949.1	944.3	933.7	922.2	914.6	908.2
7.5°	1057.7	1062.5	1059.5	1054.8	1042.9	1036.1	1025.3	1011.2	990.8	975.1	960.9
10°	1123.6	1127.6	1126.3	1117.6	1108.9	1091.1	1081.1	1061.3	1035.4	1015.0	995.9
12.5°	1188.4	1192.7	1180.9	1181.4	1164.8	1150.8	1134.9	1110.1	1080.2	1053.9	1030.0
15°	1273.0	1267.7	1267.7	1260.9	1242.5	1223.1	1206.7	1180.5	1143.0	1111.6	1078.4
17.5°	1339.2	1341.1	1338.3	1322.5	1308.0	1288.0	1257.8	1227.4	1192.5	1150.2	1116.4
20°	1378.9	1378.9	1375.9	1365.1	1346.3	1324.9	1292.4	1259.3	1215.0	1172.5	1134.3
22.5°	1394.9	1396.0	1392.5	1383.6	1366.8	1345.8	1318.2	1284.4	1238.9	1191.0	1143.7
25°	1372.9	1379.1	1379.8	1377.5	1372.5	1359.8	1336.0	1301.5	1260.6	1208.7	1157.8
27.5°	1260.4	1268.4	1275.5	1287.0	1302.4	1310.5	1311.6	1294.0	1258.4	1208.4	1157.2
30°	1148.4	1155.0	1176.8	1205.3	1227.4	1247.5	1265.0	1269.6	1249.6	1204.6	1150.7
32.5°	1024.0	1033.1	1054.9	1085.5	1122.4	1156.4	1195.6	1215.5	1215.0	1188.0	1138.2
35°	845.5	852.2	872.4	904.5	948.7	999.3	1061.3	1109.5	1142.4	1140.0	1109.5
37.5°	681.9	689.5	709.8	736.5	779.4	842.0	902.0	968.5	1029.2	1063.2	1053.0
40°	593.0	593.3	613.0	640.5	680.7	735.3	800.6	874.3	942.0	997.3	1008.0
42.5°	522.7	522.8	535.9	565.5	594.4	645.8	708.2	781.4	860.6	924.4	952.8
45°	432.1	435.1	445.9	463.6	486.4	529.9	579.9	647.9	736.7	812.4	859.6
47.5°	365.9	370.4	377.2	391.7	409.8	438.9	480.1	541.2	613.5	696.7	764.0
50°	331.7	332.3	341.0	349.0	364.8	388.0	424.1	475.0	541.4	621.4	696.1
52.5°	302.2	302.0	307.3	317.5	330.3	348.3	377.5	423.9	482.7	554.4	631.5
55°	258.0	259.6	263.6	271.6	281.4	294.1	317.3	352.1	398.3	459.6	529.6
57.5°	224.3	225.2	228.3	231.8	240.6	249.9	267.3	291.4	330.5	380.6	445.9
60°	202.3	202.7	203.7	208.7	215.8	224.5	236.2	256.6	289.5	335.4	386.9
62.5°	180.9	181.5	183.0	186.8	192.2	198.2	210.4	226.9	254.1	293.3	339.8
65°	150.8	151.1	153.4	154.8	159.1	164.5	173.5	184.6	203.4	236.2	271.4
67.5°	126.0	126.0	126.1	127.9	131.0	134.5	139.9	148.8	162.9	183.0	214.0
70°	109.9	109.9	110.6	111.6	113.2	116.2	119.2	126.0	136.4	152.7	176.5
72.5°	94.9	95.1	95.8	96.0	96.9	99.4	101.6	105.8	113.6	126.0	145.2
75°	69.7	70.7	72.3	73.7	75.3	75.1	77.4	80.1	82.4	89.8	100.8
77.5°	51.8	51.3	51.5	52.7	52.9	53.2	54.8	56.9	58.7	62.2	66.1
80°	39.5	39.5	40.6	40.9	40.6	40.9	42.5	43.6	44.3	45.5	49.2
82.5°	29.9	30.4	30.0	30.4	30.7	31.0	32.4	32.5	33.2	33.8	35.3
85°	16.8	17.0	17.4	16.8	16.8	16.8	17.4	17.7	18.4	18.1	18.8
87.5°	10.1	9.8	10.3	10.1	10.2	9.9	10.0	10.3	9.6	10.1	9.6
90°	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0	17.0	18.0	16.0
92.5°	77.1	77.1	80.4	85.8	97.6	117.7	147.8	196.5	264.3	317.4	277.8
95°	244.1	257.1	275.2	306.2	355.2	452.2	586.3	741.3	838.4	815.4	615.3
97.5°	652.6	673.3	703.4	763.5	835.4	939.9	1037.7	1095.4	1053.3	858.8	575.8
100°	917.5	925.5	955.5	1016.5	1103.5	1177.6	1226.6	1206.6	1060.5	804.3	522.3
102.5°	1148.0	1154.3	1185.9	1230.2	1283.6	1314.4	1300.2	1201.0	1000.5	736.3	486.2
105°	1407.6	1413.7	1427.7	1435.7	1433.7	1392.7	1293.7	1120.5	891.4	656.3	455.2
107.5°	1504.2	1501.5	1491.5	1468.7	1419.3	1330.1	1190.6	1006.3	803.4	611.5	449.6
110°	1505.7	1496.8	1478.7	1436.7	1365.6	1255.6	1110.5	937.5	759.4	596.3	451.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1458.5	1443.9	1418.7	1367.9	1287.2	1177.2	1040.1	887.0	734.5	589.1	456.0
115°	1351.7	1343.7	1311.6	1251.6	1172.6	1076.5	959.5	836.4	711.4	585.3	465.2
117.5°	1243.4	1237.2	1204.8	1154.3	1086.9	1005.5	913.4	811.6	700.9	584.3	475.0
120°	1182.6	1171.6	1145.6	1101.6	1044.5	973.4	893.5	800.4	695.3	584.3	482.2
122.5°	1134.5	1123.5	1101.6	1063.9	1015.7	953.5	880.6	790.7	689.0	583.5	489.5
125°	1078.5	1072.5	1053.5	1024.5	984.5	929.4	860.4	774.4	678.3	582.3	500.2
127.5°	1045.7	1039.7	1023.7	997.9	957.7	905.4	836.6	754.3	664.1	580.1	508.9
130°	1026.5	1020.5	1004.4	979.5	938.5	885.5	817.4	738.4	655.3	579.3	515.2
132.5°	1004.9	998.8	983.7	955.5	915.2	862.2	795.8	721.5	647.3	578.5	520.8
135°	964.5	958.5	942.5	914.5	874.4	824.4	763.4	698.4	635.3	577.3	529.3
137.5°	914.5	907.2	894.1	866.4	829.0	783.8	732.4	677.3	624.9	577.0	534.3
140°	878.4	870.4	856.4	834.4	799.4	757.3	712.3	665.3	619.3	576.3	538.3
142.5°	840.0	834.4	822.0	801.6	770.6	734.2	695.5	654.1	614.5	576.3	541.5
145°	787.4	782.4	772.4	755.4	730.4	702.3	672.4	638.3	606.3	574.3	543.3
147.5°	740.7	739.0	731.3	716.8	698.4	676.3	652.3	625.3	598.9	570.7	544.2
150°	714.4	713.3	707.3	694.3	678.3	660.3	640.3	617.3	593.3	568.3	544.2
152.5°	690.3	689.3	685.7	675.1	661.5	646.7	628.3	608.5	586.9	564.3	542.7
155°	659.4	659.4	656.3	648.3	638.3	626.3	611.3	595.3	577.3	558.3	540.3
157.5°	632.1	632.1	630.3	624.3	616.7	607.1	594.5	581.1	567.5	552.1	537.7
160°	615.3	615.3	614.3	608.3	602.3	594.3	583.2	572.3	560.3	547.3	535.3
162.5°	599.3	600.1	599.1	593.1	588.7	581.5	572.9	563.4	553.9	542.4	532.9
165°	575.3	576.3	577.3	573.3	569.3	564.3	557.2	551.3	543.3	535.3	528.2
167.5°	556.3	557.1	557.2	554.7	552.7	549.7	544.1	539.5	533.6	528.1	523.5
170°	544.2	544.2	545.3	544.2	542.3	539.2	535.3	532.3	527.3	523.2	520.2
172.5°	532.3	533.8	534.9	533.8	532.6	530.5	528.1	525.8	521.7	518.4	517.0
175°	518.2	520.2	522.3	520.2	520.2	520.2	518.2	517.3	515.2	513.2	513.2
177.5°	510.1	511.6	513.2	512.5	513.2	512.5	512.5	511.6	510.8	510.1	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	856.7	852.9	851.0	846.7	841.6	839.0	836.5	833.1	828.5	823.7	820.2
5°	900.2	892.1	882.0	870.0	859.3	848.9	839.8	830.8	820.4	809.7	799.0
7.5°	944.8	928.9	911.9	892.1	872.9	855.4	839.3	823.9	806.5	790.8	776.6
10°	975.9	954.4	930.7	905.5	880.4	858.6	837.2	817.7	796.3	777.2	761.1
12.5°	1001.1	975.9	947.3	915.9	885.7	859.4	834.7	809.4	785.1	764.3	742.9
15°	1042.8	1008.3	969.8	932.3	893.1	857.3	824.1	794.6	766.8	737.7	717.2
17.5°	1071.6	1030.6	983.9	938.7	892.4	850.2	811.9	776.8	744.7	715.0	690.6
20°	1088.7	1043.5	991.6	940.3	888.4	843.2	802.0	763.1	730.0	697.8	672.7
22.5°	1098.4	1048.4	991.6	937.9	884.2	835.2	790.0	749.5	713.3	681.2	653.4
25°	1101.5	1047.8	989.9	928.2	869.4	817.4	770.5	726.6	686.4	654.3	624.7
27.5°	1097.2	1034.1	974.7	911.5	850.7	795.9	746.7	700.5	660.3	625.8	595.6
30°	1090.7	1023.1	959.4	893.8	832.2	779.5	727.6	683.4	641.5	605.7	575.2
32.5°	1076.9	1009.7	941.2	873.9	811.5	757.3	708.1	663.6	622.5	585.8	553.5
35°	1049.2	981.2	906.8	837.8	776.5	720.2	674.0	631.1	591.9	552.8	518.6
37.5°	1012.8	943.4	869.4	793.8	732.5	679.3	636.9	596.7	558.4	522.6	484.7
40°	978.5	915.2	838.9	763.8	700.9	649.5	610.4	573.9	535.4	499.8	461.9
42.5°	937.0	883.0	805.9	730.6	668.4	619.0	582.5	546.8	511.8	477.3	437.8
45°	867.6	826.8	754.4	682.1	619.4	570.5	537.0	505.5	474.7	441.9	404.7
47.5°	788.2	760.5	698.1	624.0	566.0	522.0	489.7	463.9	437.8	405.0	372.4
50°	733.0	715.2	655.0	587.3	532.0	491.5	458.3	434.1	412.4	380.9	351.7
52.5°	674.0	664.6	613.6	548.9	495.5	455.8	427.5	405.8	383.7	357.6	330.3
55°	584.3	589.3	546.0	490.1	439.9	406.4	380.6	362.5	343.7	321.6	300.5
57.5°	492.4	510.8	481.8	432.7	385.6	354.6	335.2	319.9	304.3	285.9	267.9
60°	437.5	452.9	436.5	393.3	352.1	323.3	305.2	293.4	277.7	261.0	247.2
62.5°	383.9	400.4	390.6	355.8	317.5	292.7	276.8	265.9	254.2	239.5	225.2
65°	316.6	327.3	322.6	298.5	271.4	250.2	235.5	227.5	216.7	206.0	193.3
67.5°	242.5	263.2	260.5	247.6	224.2	207.7	198.0	191.0	181.2	173.2	164.5
70°	199.3	218.4	218.1	207.7	194.9	179.5	172.9	166.9	158.1	150.4	143.4
72.5°	163.2	180.6	183.2	175.3	166.6	154.9	148.4	144.3	135.9	130.6	124.8
75°	114.3	127.0	130.4	130.4	126.3	120.3	114.6	111.9	105.8	101.2	97.8
77.5°	74.9	82.9	88.2	89.4	90.0	88.0	83.3	81.4	76.8	75.1	71.9
80°	53.0	58.3	64.3	66.3	68.0	67.3	65.3	64.0	59.7	57.9	56.7
82.5°	36.6	39.5	44.5	48.9	48.5	50.2	48.5	47.4	44.1	43.5	42.1
85°	19.1	19.5	20.1	23.1	24.8	25.5	25.8	25.1	24.1	24.1	21.8
87.5°	9.2	9.0	8.3	8.3	8.4	9.2	9.5	9.3	8.9	8.7	8.1
90°	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0	3.0	6.0	7.0
92.5°	202.1	124.5	73.6	52.9	38.2	26.0	16.6	11.4	16.6	26.0	38.2
95°	376.2	212.1	125.1	83.0	59.1	46.1	36.0	33.0	36.0	46.1	59.1
97.5°	338.2	202.7	135.7	100.5	79.8	67.8	59.2	59.2	59.2	67.8	79.8
100°	318.1	205.1	146.1	114.1	95.1	83.0	76.0	76.0	76.0	83.0	95.1
102.5°	312.5	213.1	159.7	129.2	111.1	99.9	93.7	92.0	93.7	99.9	111.1
105°	315.1	232.1	184.1	155.1	137.1	125.1	120.0	117.1	120.0	125.1	137.1
107.5°	329.9	254.3	210.3	181.7	164.5	151.7	146.6	144.6	146.6	151.7	164.5
110°	341.1	271.1	227.1	200.1	182.1	170.0	165.1	163.1	165.1	170.0	182.1





TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	353.2	287.1	244.7	217.7	199.7	188.5	182.7	180.7	182.7	188.5	199.7
115°	372.2	312.1	272.2	245.1	226.1	216.1	209.1	206.1	209.1	216.1	226.1
117.5°	391.6	336.4	298.3	270.4	252.5	241.5	235.3	232.5	235.3	241.5	252.5
120°	405.2	353.2	315.1	287.1	270.1	259.2	252.1	250.1	252.1	259.2	270.1
122.5°	418.0	369.2	331.1	303.9	285.3	275.2	268.1	266.1	268.1	275.2	285.3
125°	437.2	391.2	355.2	327.2	308.2	297.1	291.1	287.1	291.1	297.1	308.2
127.5°	453.8	411.6	376.8	348.5	328.7	316.2	308.9	305.7	308.9	316.2	328.7
130°	464.3	425.2	391.2	362.1	343.2	328.1	320.1	316.2	320.1	328.1	343.2
132.5°	474.7	436.4	402.4	375.0	354.4	340.2	329.8	326.6	329.8	340.2	354.4
135°	488.3	452.2	419.2	393.2	372.2	355.2	345.2	341.1	345.2	355.2	372.2
137.5°	497.8	464.3	433.4	408.6	386.8	370.6	359.6	355.8	359.6	370.6	386.8
140°	504.2	472.3	442.2	418.2	397.2	380.2	369.2	366.2	369.2	380.2	397.2
142.5°	509.0	479.4	450.2	427.0	406.8	390.5	380.4	377.4	380.4	390.5	406.8
145°	514.3	487.2	461.2	439.2	420.2	406.2	396.2	393.2	396.2	406.2	420.2
147.5°	518.8	495.2	470.8	451.0	435.2	420.8	412.0	411.0	412.0	420.8	435.2
150°	521.2	499.2	477.3	458.2	443.2	431.2	423.2	422.2	423.2	431.2	443.2
152.5°	522.9	502.5	482.8	465.5	452.0	440.8	432.8	432.6	432.8	440.8	452.0
155°	524.3	507.2	490.3	475.3	464.3	454.2	448.2	447.2	448.2	454.2	464.3
157.5°	524.3	510.7	496.3	484.4	474.8	467.0	461.4	461.4	461.4	467.0	474.8
160°	524.3	512.2	500.2	489.2	481.2	474.2	470.2	470.2	470.2	474.2	481.2
162.5°	524.3	513.8	502.7	494.0	486.8	480.6	477.4	478.2	477.4	480.6	486.8
165°	522.3	514.3	505.2	499.2	494.2	489.2	487.2	487.2	487.2	489.2	494.2
167.5°	519.9	514.0	507.5	502.8	500.1	496.3	495.2	496.3	495.2	496.3	500.1
170°	518.2	513.2	508.2	505.2	503.3	500.2	499.2	500.2	499.2	500.2	503.3
172.5°	516.7	512.5	509.0	506.9	505.7	503.4	503.3	504.2	503.3	503.4	505.7
175°	514.3	511.3	509.3	509.3	508.2	507.2	507.2	508.2	507.2	507.2	508.2
177.5°	511.6	510.1	509.3	509.3	509.3	508.4	509.3	510.1	509.3	508.4	509.3
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	816.5	813.8	810.3	806.2	801.4	797.2	795.3	796.9	797.7	795.6	795.3
5°	791.6	783.3	776.5	766.5	758.5	751.7	747.0	745.0	745.7	740.4	739.0
7.5°	763.6	753.7	742.8	730.8	719.7	709.9	704.7	701.9	696.2	693.8	689.7
10°	745.7	732.3	721.6	707.5	694.8	683.0	677.3	672.7	667.0	664.3	658.6
12.5°	727.2	711.7	699.9	685.3	672.3	658.1	652.7	644.0	635.1	629.5	622.2
15°	701.1	682.4	668.0	650.6	635.2	619.1	604.7	588.6	582.6	569.8	562.5
17.5°	670.6	651.6	633.8	610.4	586.7	566.7	551.3	536.0	526.7	518.6	514.8
20°	650.6	633.2	608.4	581.3	554.7	532.6	520.2	510.2	500.2	494.5	490.4
22.5°	631.5	609.3	580.5	551.2	524.8	507.5	497.0	486.6	478.5	473.0	467.7
25°	599.7	570.5	540.0	506.5	488.4	473.4	461.9	453.6	448.6	441.5	438.9
27.5°	566.9	531.6	497.9	475.4	456.6	442.8	432.9	426.6	420.3	415.7	412.2
30°	541.7	505.8	475.7	454.3	435.1	423.8	415.7	408.4	403.4	399.7	397.0
32.5°	516.8	481.0	455.6	432.6	417.5	406.4	397.8	392.3	388.3	383.6	381.9
35°	480.7	448.9	426.8	406.0	390.6	380.6	373.8	368.2	364.8	363.5	362.5
37.5°	446.1	420.0	396.2	379.2	365.5	357.6	349.7	346.9	344.6	342.2	343.3
40°	424.1	399.7	378.6	360.5	349.4	340.7	336.0	332.7	330.6	330.6	330.6
42.5°	405.1	381.2	360.6	344.4	333.3	326.0	320.7	317.9	317.3	316.9	318.6
45°	375.6	353.4	332.7	319.3	309.9	302.5	299.5	297.1	297.1	298.5	298.9
47.5°	346.3	325.5	308.8	293.9	285.2	280.7	278.0	276.8	277.0	278.3	279.8
50°	328.3	307.9	291.4	278.0	270.0	265.6	263.3	262.6	263.3	263.3	265.6
52.5°	308.8	290.4	274.3	263.0	253.9	249.9	248.6	247.6	248.1	249.1	250.1
55°	280.1	263.6	248.2	237.5	230.8	228.2	225.2	225.5	224.8	225.5	225.5
57.5°	251.3	236.6	222.2	213.7	207.8	204.0	200.7	201.6	200.6	200.4	199.9
60°	232.8	216.7	205.3	197.7	191.0	187.6	184.6	185.3	184.3	183.6	182.3
62.5°	212.8	199.3	188.5	181.1	175.6	171.8	168.8	168.1	165.7	163.5	160.5
65°	183.6	172.5	162.8	155.8	150.8	147.7	145.4	143.4	138.4	133.0	130.4
67.5°	155.2	147.2	138.2	132.2	128.2	124.2	119.8	116.3	111.6	108.7	107.0
70°	137.0	129.3	121.6	115.9	111.6	107.9	102.8	100.5	97.1	95.8	94.1
72.5°	119.6	112.4	105.2	100.1	95.5	92.6	88.7	86.3	84.8	84.3	82.6
75°	93.2	87.5	82.1	77.4	73.7	71.7	70.0	68.4	67.7	64.7	62.9
77.5°	67.9	64.1	60.9	57.5	54.8	53.6	50.3	48.4	47.3	45.8	45.5
80°	53.0	50.3	46.9	44.9	41.2	39.9	38.5	38.2	37.9	37.5	37.2
82.5°	39.8	37.1	33.8	32.5	31.6	30.7	30.0	29.6	29.3	29.4	29.4
85°	20.1	18.8	18.8	18.4	18.1	17.7	17.4	17.4	17.0	17.4	17.0
87.5°	8.3	8.0	9.2	8.7	9.4	9.7	9.3	9.5	10.0	9.6	9.6
90°	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0	19.0	20.0	20.0
92.5°	52.9	73.6	124.5	202.1	277.8	317.4	264.3	196.5	147.8	117.7	97.6
95°	83.0	125.1	212.1	376.2	615.3	815.4	838.4	741.3	586.3	452.2	355.2
97.5°	100.5	135.7	202.7	338.2	575.8	858.8	1053.3	1095.4	1037.7	939.9	835.4
100°	114.1	146.1	205.1	318.1	522.3	804.3	1060.5	1206.6	1226.6	1177.6	1103.5
102.5°	129.2	159.7	213.1	312.5	486.2	736.3	1000.5	1201.0	1300.2	1314.4	1283.6
105°	155.1	184.1	232.1	315.1	455.2	656.3	891.4	1120.5	1293.7	1392.7	1433.7
107.5°	181.7	210.3	254.3	329.9	449.6	611.5	803.4	1006.3	1190.6	1330.1	1419.3
110°	200.1	227.1	271.1	341.1	451.3	596.3	759.4	937.5	1110.5	1255.6	1365.6



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.7	244.7	287.1	353.2	456.0	589.1	734.5	887.0	1040.1	1177.2	1287.2
115°	245.1	272.2	312.1	372.2	465.2	585.3	711.4	836.4	959.5	1076.5	1172.6
117.5°	270.4	298.3	336.4	391.6	475.0	584.3	700.9	811.6	913.4	1005.5	1086.9
120°	287.1	315.1	353.2	405.2	482.2	584.3	695.3	800.4	893.5	973.4	1044.5
122.5°	303.9	331.1	369.2	418.0	489.5	583.5	689.0	790.7	880.6	953.5	1015.7
125°	327.2	355.2	391.2	437.2	500.2	582.3	678.3	774.4	860.4	929.4	984.5
127.5°	348.5	376.8	411.6	453.8	508.9	580.1	664.1	754.3	836.6	905.4	957.7
130°	362.1	391.2	425.2	464.3	515.2	579.3	655.3	738.4	817.4	885.5	938.5
132.5°	375.0	402.4	436.4	474.7	520.8	578.5	647.3	721.5	795.8	862.2	915.2
135°	393.2	419.2	452.2	488.3	529.3	577.3	635.3	698.4	763.4	824.4	874.4
137.5°	408.6	433.4	464.3	497.8	534.3	577.0	624.9	677.3	732.4	783.8	829.0
140°	418.2	442.2	472.3	504.2	538.3	576.3	619.3	665.3	712.3	757.3	799.4
142.5°	427.0	450.2	479.4	509.0	541.5	576.3	614.5	654.1	695.5	734.2	770.6
145°	439.2	461.2	487.2	514.3	543.3	574.3	606.3	638.3	672.4	702.3	730.4
147.5°	451.0	470.8	495.2	518.8	544.2	570.7	598.9	625.3	652.3	676.3	698.4
150°	458.2	477.3	499.2	521.2	544.2	568.3	593.3	617.3	640.3	660.3	678.3
152.5°	465.5	482.8	502.5	522.9	542.7	564.3	586.9	608.5	628.3	646.7	661.5
155°	475.3	490.3	507.2	524.3	540.3	558.3	577.3	595.3	611.3	626.3	638.3
157.5°	484.4	496.3	510.7	524.3	537.7	552.1	567.5	581.1	594.5	607.1	616.7
160°	489.2	500.2	512.2	524.3	535.3	547.3	560.3	572.3	583.2	594.3	602.3
162.5°	494.0	502.7	513.8	524.3	532.9	542.4	553.9	563.4	572.9	581.5	588.7
165°	499.2	505.2	514.3	522.3	528.2	535.3	543.3	551.3	557.2	564.3	569.3
167.5°	502.8	507.5	514.0	519.9	523.5	528.1	533.6	539.5	544.1	549.7	552.7
170°	505.2	508.2	513.2	518.2	520.2	523.2	527.3	532.3	535.3	539.2	542.3
172.5°	506.9	509.0	512.5	516.7	517.0	518.4	521.7	525.8	528.1	530.5	532.6
175°	509.3	509.3	511.3	514.3	513.2	513.2	515.2	517.3	518.2	520.2	520.2
177.5°	509.3	509.3	510.1	511.6	510.1	510.1	510.8	511.6	512.5	512.5	513.2
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	793.7	794.2	792.4	791.8	792.4	794.2	793.7	795.3	795.6	797.7	796.9
5°	736.3	735.6	734.0	734.3	734.0	735.6	736.3	739.0	740.4	745.7	745.0
7.5°	687.3	684.7	685.4	682.7	685.4	684.7	687.3	689.7	693.8	696.2	701.9
10°	657.3	653.6	650.6	647.9	650.6	653.6	657.3	658.6	664.3	667.0	672.7
12.5°	616.3	613.1	609.0	609.8	609.0	613.1	616.3	622.2	629.5	635.1	644.0
15°	558.1	553.1	545.0	546.0	545.0	553.1	558.1	562.5	569.8	582.6	588.6
17.5°	508.9	508.9	505.2	506.1	505.2	508.9	508.9	514.8	518.6	526.7	536.0
20°	483.4	481.0	481.4	480.4	481.4	481.0	483.4	490.4	494.5	500.2	510.2
22.5°	465.7	462.9	460.5	458.4	460.5	462.9	465.7	467.7	473.0	478.5	486.6
25°	435.8	433.9	430.8	430.2	430.8	433.9	435.8	438.9	441.5	448.6	453.6
27.5°	409.6	409.1	407.9	406.4	407.9	409.1	409.6	412.2	415.7	420.3	426.6
30°	394.3	393.6	393.0	391.9	393.0	393.6	394.3	397.0	399.7	403.4	408.4
32.5°	380.6	380.2	379.5	379.6	379.5	380.2	380.6	381.9	383.6	388.3	392.3
35°	361.1	360.8	360.2	359.8	360.2	360.8	361.1	362.5	363.5	364.8	368.2
37.5°	342.9	343.8	343.4	343.3	343.4	343.8	342.9	343.3	342.2	344.6	346.9
40°	330.3	330.6	331.3	331.0	331.3	330.6	330.3	330.6	330.6	330.6	332.7
42.5°	319.9	319.9	320.9	319.7	320.9	319.9	319.9	318.6	316.9	317.3	317.9
45°	301.2	303.2	302.8	302.8	302.8	303.2	301.2	298.9	298.5	297.1	297.1
47.5°	280.7	282.5	282.9	282.8	282.9	282.5	280.7	279.8	278.3	277.0	276.8
50°	267.3	266.7	267.7	267.3	267.7	266.7	267.3	265.6	263.3	263.3	262.6
52.5°	251.0	251.2	251.1	250.7	251.1	251.2	251.0	250.1	249.1	248.1	247.6
55°	225.8	226.1	225.5	225.8	225.5	226.1	225.8	225.5	225.5	224.8	225.5
57.5°	198.5	196.8	197.5	196.7	197.5	196.8	198.5	199.9	200.4	200.6	201.6
60°	178.9	176.2	175.6	174.2	175.6	176.2	178.9	182.3	183.6	184.3	185.3
62.5°	156.9	155.1	152.7	153.9	152.7	155.1	156.9	160.5	163.5	165.7	168.1
65°	127.6	126.3	125.3	126.7	125.3	126.3	127.6	130.4	133.0	138.4	143.4
67.5°	105.6	105.0	105.0	104.3	105.0	105.0	105.6	107.0	108.7	111.6	116.3
70°	94.1	93.2	93.2	92.5	93.2	93.2	94.1	94.1	95.8	97.1	100.5
72.5°	82.3	81.4	81.6	81.2	81.6	81.4	82.3	82.6	84.3	84.8	86.3
75°	61.0	59.3	59.3	59.7	59.3	59.3	61.0	62.9	64.7	67.7	68.4
77.5°	45.5	45.1	45.6	45.0	45.6	45.1	45.5	45.5	45.8	47.3	48.4
80°	37.2	36.9	36.5	37.5	36.5	36.9	37.2	37.2	37.5	37.9	38.2
82.5°	28.8	28.8	28.8	30.0	28.8	28.8	28.8	29.4	29.4	29.3	29.6
85°	17.4	16.8	17.4	16.8	17.4	16.8	17.4	17.0	17.4	17.0	17.4
87.5°	10.3	10.3	9.8	10.1	9.8	10.3	10.3	9.6	9.6	10.0	9.5
90°	21.0	22.0	21.0	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0
92.5°	85.8	80.4	77.1	77.1	77.1	80.4	85.8	97.6	117.7	147.8	196.5
95°	306.2	275.2	257.1	244.1	257.1	275.2	306.2	355.2	452.2	586.3	741.3
97.5°	763.5	703.4	673.3	652.6	673.3	703.4	763.5	835.4	939.9	1037.7	1095.4
100°	1016.5	955.5	925.5	917.5	925.5	955.5	1016.5	1103.5	1177.6	1226.6	1206.6
102.5°	1230.2	1185.9	1154.3	1148.0	1154.3	1185.9	1230.2	1283.6	1314.4	1300.2	1201.0
105°	1435.7	1427.7	1413.7	1407.6	1413.7	1427.7	1435.7	1433.7	1392.7	1293.7	1120.5
107.5°	1468.7	1491.5	1501.5	1504.2	1501.5	1491.5	1468.7	1419.3	1330.1	1190.6	1006.3
110°	1436.7	1478.7	1496.8	1505.7	1496.8	1478.7	1436.7	1365.6	1255.6	1110.5	937.5



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1367.9	1418.7	1443.9	1458.5	1443.9	1418.7	1367.9	1287.2	1177.2	1040.1	887.0
115°	1251.6	1311.6	1343.7	1351.7	1343.7	1311.6	1251.6	1172.6	1076.5	959.5	836.4
117.5°	1154.3	1204.8	1237.2	1243.4	1237.2	1204.8	1154.3	1086.9	1005.5	913.4	811.6
120°	1101.6	1145.6	1171.6	1182.6	1171.6	1145.6	1101.6	1044.5	973.4	893.5	800.4
122.5°	1063.9	1101.6	1123.5	1134.5	1123.5	1101.6	1063.9	1015.7	953.5	880.6	790.7
125°	1024.5	1053.5	1072.5	1078.5	1072.5	1053.5	1024.5	984.5	929.4	860.4	774.4
127.5°	997.9	1023.7	1039.7	1045.7	1039.7	1023.7	997.9	957.7	905.4	836.6	754.3
130°	979.5	1004.4	1020.5	1026.5	1020.5	1004.4	979.5	938.5	885.5	817.4	738.4
132.5°	955.5	983.7	998.8	1004.9	998.8	983.7	955.5	915.2	862.2	795.8	721.5
135°	914.5	942.5	958.5	964.5	958.5	942.5	914.5	874.4	824.4	763.4	698.4
137.5°	866.4	894.1	907.2	914.5	907.2	894.1	866.4	829.0	783.8	732.4	677.3
140°	834.4	856.4	870.4	878.4	870.4	856.4	834.4	799.4	757.3	712.3	665.3
142.5°	801.6	822.0	834.4	840.0	834.4	822.0	801.6	770.6	734.2	695.5	654.1
145°	755.4	772.4	782.4	787.4	782.4	772.4	755.4	730.4	702.3	672.4	638.3
147.5°	716.8	731.3	739.0	740.7	739.0	731.3	716.8	698.4	676.3	652.3	625.3
150°	694.3	707.3	713.3	714.4	713.3	707.3	694.3	678.3	660.3	640.3	617.3
152.5°	675.1	685.7	689.3	690.3	689.3	685.7	675.1	661.5	646.7	628.3	608.5
155°	648.3	656.3	659.4	659.4	659.4	656.3	648.3	638.3	626.3	611.3	595.3
157.5°	624.3	630.3	632.1	632.1	632.1	630.3	624.3	616.7	607.1	594.5	581.1
160°	608.3	614.3	615.3	615.3	615.3	614.3	608.3	602.3	594.3	583.2	572.3
162.5°	593.1	599.1	600.1	599.3	600.1	599.1	593.1	588.7	581.5	572.9	563.4
165°	573.3	577.3	576.3	575.3	576.3	577.3	573.3	569.3	564.3	557.2	551.3
167.5°	554.7	557.2	557.1	556.3	557.1	557.2	554.7	552.7	549.7	544.1	539.5
170°	544.2	545.3	544.2	544.2	544.2	545.3	544.2	542.3	539.2	535.3	532.3
172.5°	533.8	534.9	533.8	532.3	533.8	534.9	533.8	532.6	530.5	528.1	525.8
175°	520.2	522.3	520.2	518.2	520.2	522.3	520.2	520.2	520.2	518.2	517.3
177.5°	512.5	513.2	511.6	510.1	511.6	513.2	512.5	513.2	512.5	512.5	511.6
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	795.3	797.2	801.4	806.2	810.3	813.8	816.5	820.2	823.7	828.5	833.1
5°	747.0	751.7	758.5	766.5	776.5	783.3	791.6	799.0	809.7	820.4	830.8
7.5°	704.7	709.9	719.7	730.8	742.8	753.7	763.6	776.6	790.8	806.5	823.9
10°	677.3	683.0	694.8	707.5	721.6	732.3	745.7	761.1	777.2	796.3	817.7
12.5°	652.7	658.1	672.3	685.3	699.9	711.7	727.2	742.9	764.3	785.1	809.4
15°	604.7	619.1	635.2	650.6	668.0	682.4	701.1	717.2	737.7	766.8	794.6
17.5°	551.3	566.7	586.7	610.4	633.8	651.6	670.6	690.6	715.0	744.7	776.8
20°	520.2	532.6	554.7	581.3	608.4	633.2	650.6	672.7	697.8	730.0	763.1
22.5°	497.0	507.5	524.8	551.2	580.5	609.3	631.5	653.4	681.2	713.3	749.5
25°	461.9	473.4	488.4	506.5	540.0	570.5	599.7	624.7	654.3	686.4	726.6
27.5°	432.9	442.8	456.6	475.4	497.9	531.6	566.9	595.6	625.8	660.3	700.5
30°	415.7	423.8	435.1	454.3	475.7	505.8	541.7	575.2	605.7	641.5	683.4
32.5°	397.8	406.4	417.5	432.6	455.6	481.0	516.8	553.5	585.8	622.5	663.6
35°	373.8	380.6	390.6	406.0	426.8	448.9	480.7	518.6	552.8	591.9	631.1
37.5°	349.7	357.6	365.5	379.2	396.2	420.0	446.1	484.7	522.6	558.4	596.7
40°	336.0	340.7	349.4	360.5	378.6	399.7	424.1	461.9	499.8	535.4	573.9
42.5°	320.7	326.0	333.3	344.4	360.6	381.2	405.1	437.8	477.3	511.8	546.8
45°	299.5	302.5	309.9	319.3	332.7	353.4	375.6	404.7	441.9	474.7	505.5
47.5°	278.0	280.7	285.2	293.9	308.8	325.5	346.3	372.4	405.0	437.8	463.9
50°	263.3	265.6	270.0	278.0	291.4	307.9	328.3	351.7	380.9	412.4	434.1
52.5°	248.6	249.9	253.9	263.0	274.3	290.4	308.8	330.3	357.6	383.7	405.8
55°	225.2	228.2	230.8	237.5	248.2	263.6	280.1	300.5	321.6	343.7	362.5
57.5°	200.7	204.0	207.8	213.7	222.2	236.6	251.3	267.9	285.9	304.3	319.9
60°	184.6	187.6	191.0	197.7	205.3	216.7	232.8	247.2	261.0	277.7	293.4
62.5°	168.8	171.8	175.6	181.1	188.5	199.3	212.8	225.2	239.5	254.2	265.9
65°	145.4	147.7	150.8	155.8	162.8	172.5	183.6	193.3	206.0	216.7	227.5
67.5°	119.8	124.2	128.2	132.2	138.2	147.2	155.2	164.5	173.2	181.2	191.0
70°	102.8	107.9	111.6	115.9	121.6	129.3	137.0	143.4	150.4	158.1	166.9
72.5°	88.7	92.6	95.5	100.1	105.2	112.4	119.6	124.8	130.6	135.9	144.3
75°	70.0	71.7	73.7	77.4	82.1	87.5	93.2	97.8	101.2	105.8	111.9
77.5°	50.3	53.6	54.8	57.5	60.9	64.1	67.9	71.9	75.1	76.8	81.4
80°	38.5	39.9	41.2	44.9	46.9	50.3	53.0	56.7	57.9	59.7	64.0
82.5°	30.0	30.7	31.6	32.5	33.8	37.1	39.8	42.1	43.5	44.1	47.4
85°	17.4	17.7	18.1	18.4	18.8	18.8	20.1	21.8	24.1	24.1	25.1
87.5°	9.3	9.7	9.4	8.7	9.2	8.0	8.3	8.1	8.7	8.9	9.3
90°	17.0	18.0	16.0	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0
92.5°	264.3	317.4	277.8	202.1	124.5	73.6	52.9	38.2	26.0	16.6	11.4
95°	838.4	815.4	615.3	376.2	212.1	125.1	83.0	59.1	46.1	36.0	33.0
97.5°	1053.3	858.8	575.8	338.2	202.7	135.7	100.5	79.8	67.8	59.2	59.2
100°	1060.5	804.3	522.3	318.1	205.1	146.1	114.1	95.1	83.0	76.0	76.0
102.5°	1000.5	736.3	486.2	312.5	213.1	159.7	129.2	111.1	99.9	93.7	92.0
105°	891.4	656.3	455.2	315.1	232.1	184.1	155.1	137.1	125.1	120.0	117.1
107.5°	803.4	611.5	449.6	329.9	254.3	210.3	181.7	164.5	151.7	146.6	144.6
110°	759.4	596.3	451.3	341.1	271.1	227.1	200.1	182.1	170.0	165.1	163.1



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	734.5	589.1	456.0	353.2	287.1	244.7	217.7	199.7	188.5	182.7	180.7
115°	711.4	585.3	465.2	372.2	312.1	272.2	245.1	226.1	216.1	209.1	206.1
117.5°	700.9	584.3	475.0	391.6	336.4	298.3	270.4	252.5	241.5	235.3	232.5
120°	695.3	584.3	482.2	405.2	353.2	315.1	287.1	270.1	259.2	252.1	250.1
122.5°	689.0	583.5	489.5	418.0	369.2	331.1	303.9	285.3	275.2	268.1	266.1
125°	678.3	582.3	500.2	437.2	391.2	355.2	327.2	308.2	297.1	291.1	287.1
127.5°	664.1	580.1	508.9	453.8	411.6	376.8	348.5	328.7	316.2	308.9	305.7
130°	655.3	579.3	515.2	464.3	425.2	391.2	362.1	343.2	328.1	320.1	316.2
132.5°	647.3	578.5	520.8	474.7	436.4	402.4	375.0	354.4	340.2	329.8	326.6
135°	635.3	577.3	529.3	488.3	452.2	419.2	393.2	372.2	355.2	345.2	341.1
137.5°	624.9	577.0	534.3	497.8	464.3	433.4	408.6	386.8	370.6	359.6	355.8
140°	619.3	576.3	538.3	504.2	472.3	442.2	418.2	397.2	380.2	369.2	366.2
142.5°	614.5	576.3	541.5	509.0	479.4	450.2	427.0	406.8	390.5	380.4	377.4
145°	606.3	574.3	543.3	514.3	487.2	461.2	439.2	420.2	406.2	396.2	393.2
147.5°	598.9	570.7	544.2	518.8	495.2	470.8	451.0	435.2	420.8	412.0	411.0
150°	593.3	568.3	544.2	521.2	499.2	477.3	458.2	443.2	431.2	423.2	422.2
152.5°	586.9	564.3	542.7	522.9	502.5	482.8	465.5	452.0	440.8	432.8	432.6
155°	577.3	558.3	540.3	524.3	507.2	490.3	475.3	464.3	454.2	448.2	447.2
157.5°	567.5	552.1	537.7	524.3	510.7	496.3	484.4	474.8	467.0	461.4	461.4
160°	560.3	547.3	535.3	524.3	512.2	500.2	489.2	481.2	474.2	470.2	470.2
162.5°	553.9	542.4	532.9	524.3	513.8	502.7	494.0	486.8	480.6	477.4	478.2
165°	543.3	535.3	528.2	522.3	514.3	505.2	499.2	494.2	489.2	487.2	487.2
167.5°	533.6	528.1	523.5	519.9	514.0	507.5	502.8	500.1	496.3	495.2	496.3
170°	527.3	523.2	520.2	518.2	513.2	508.2	505.2	503.3	500.2	499.2	500.2
172.5°	521.7	518.4	517.0	516.7	512.5	509.0	506.9	505.7	503.4	503.3	504.2
175°	515.2	513.2	513.2	514.3	511.3	509.3	509.3	508.2	507.2	507.2	508.2
177.5°	510.8	510.1	510.1	511.6	510.1	509.3	509.3	509.3	508.4	509.3	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	836.5	839.0	841.6	846.7	851.0	852.9	856.7	859.4	858.5	862.3	868.7
5°	839.8	848.9	859.3	870.0	882.0	892.1	900.2	908.2	914.6	922.2	933.7
7.5°	839.3	855.4	872.9	892.1	911.9	928.9	944.8	960.9	975.1	990.8	1011.2
10°	837.2	858.6	880.4	905.5	930.7	954.4	975.9	995.9	1015.0	1035.4	1061.3
12.5°	834.7	859.4	885.7	915.9	947.3	975.9	1001.1	1030.0	1053.9	1080.2	1110.1
15°	824.1	857.3	893.1	932.3	969.8	1008.3	1042.8	1078.4	1111.6	1143.0	1180.5
17.5°	811.9	850.2	892.4	938.7	983.9	1030.6	1071.6	1116.4	1150.2	1192.5	1227.4
20°	802.0	843.2	888.4	940.3	991.6	1043.5	1088.7	1134.3	1172.5	1215.0	1259.3
22.5°	790.0	835.2	884.2	937.9	991.6	1048.4	1098.4	1143.7	1191.0	1238.9	1284.4
25°	770.5	817.4	869.4	928.2	989.9	1047.8	1101.5	1157.8	1208.7	1260.6	1301.5
27.5°	746.7	795.9	850.7	911.5	974.7	1034.1	1097.2	1157.2	1208.4	1258.4	1294.0
30°	727.6	779.5	832.2	893.8	959.4	1023.1	1090.7	1150.7	1204.6	1249.6	1269.6
32.5°	708.1	757.3	811.5	873.9	941.2	1009.7	1076.9	1138.2	1188.0	1215.0	1215.5
35°	674.0	720.2	776.5	837.8	906.8	981.2	1049.2	1109.5	1140.0	1142.4	1109.5
37.5°	636.9	679.3	732.5	793.8	869.4	943.4	1012.8	1053.0	1063.2	1029.2	968.5
40°	610.4	649.5	700.9	763.8	838.9	915.2	978.5	1008.0	997.3	942.0	874.3
42.5°	582.5	619.0	668.4	730.6	805.9	883.0	937.0	952.8	924.4	860.6	781.4
45°	537.0	570.5	619.4	682.1	754.4	826.8	867.6	859.6	812.4	736.7	647.9
47.5°	489.7	522.0	566.0	624.0	698.1	760.5	788.2	764.0	696.7	613.5	541.2
50°	458.3	491.5	532.0	587.3	655.0	715.2	733.0	696.1	621.4	541.4	475.0
52.5°	427.5	455.8	495.5	548.9	613.6	664.6	674.0	631.5	554.4	482.7	423.9
55°	380.6	406.4	439.9	490.1	546.0	589.3	584.3	529.6	459.6	398.3	352.1
57.5°	335.2	354.6	385.6	432.7	481.8	510.8	492.4	445.9	380.6	330.5	291.4
60°	305.2	323.3	352.1	393.3	436.5	452.9	437.5	386.9	335.4	289.5	256.6
62.5°	276.8	292.7	317.5	355.8	390.6	400.4	383.9	339.8	293.3	254.1	226.9
65°	235.5	250.2	271.4	298.5	322.6	327.3	316.6	271.4	236.2	203.4	184.6
67.5°	198.0	207.7	224.2	247.6	260.5	263.2	242.5	214.0	183.0	162.9	148.8
70°	172.9	179.5	194.9	207.7	218.1	218.4	199.3	176.5	152.7	136.4	126.0
72.5°	148.4	154.9	166.6	175.3	183.2	180.6	163.2	145.2	126.0	113.6	105.8
75°	114.6	120.3	126.3	130.4	130.4	127.0	114.3	100.8	89.8	82.4	80.1
77.5°	83.3	88.0	90.0	89.4	88.2	82.9	74.9	66.1	62.2	58.7	56.9
80°	65.3	67.3	68.0	66.3	64.3	58.3	53.0	49.2	45.5	44.3	43.6
82.5°	48.5	50.2	48.5	48.9	44.5	39.5	36.6	35.3	33.8	33.2	32.5
85°	25.8	25.5	24.8	23.1	20.1	19.5	19.1	18.8	18.1	18.4	17.7
87.5°	9.5	9.2	8.4	8.3	8.3	9.0	9.2	9.6	10.1	9.6	10.3
90°	3.0	6.0	7.0	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0
92.5°	16.6	26.0	38.2	52.9	73.6	124.5	202.1	277.8	317.4	264.3	196.5
95°	36.0	46.1	59.1	83.0	125.1	212.1	376.2	615.3	815.4	838.4	741.3
97.5°	59.2	67.8	79.8	100.5	135.7	202.7	338.2	575.8	858.8	1053.3	1095.4
100°	76.0	83.0	95.1	114.1	146.1	205.1	318.1	522.3	804.3	1060.5	1206.6
102.5°	93.7	99.9	111.1	129.2	159.7	213.1	312.5	486.2	736.3	1000.5	1201.0
105°	120.0	125.1	137.1	155.1	184.1	232.1	315.1	455.2	656.3	891.4	1120.5
107.5°	146.6	151.7	164.5	181.7	210.3	254.3	329.9	449.6	611.5	803.4	1006.3
110°	165.1	170.0	182.1	200.1	227.1	271.1	341.1	451.3	596.3	759.4	937.5





TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	182.7	188.5	199.7	217.7	244.7	287.1	353.2	456.0	589.1	734.5	887.0
115°	209.1	216.1	226.1	245.1	272.2	312.1	372.2	465.2	585.3	711.4	836.4
117.5°	235.3	241.5	252.5	270.4	298.3	336.4	391.6	475.0	584.3	700.9	811.6
120°	252.1	259.2	270.1	287.1	315.1	353.2	405.2	482.2	584.3	695.3	800.4
122.5°	268.1	275.2	285.3	303.9	331.1	369.2	418.0	489.5	583.5	689.0	790.7
125°	291.1	297.1	308.2	327.2	355.2	391.2	437.2	500.2	582.3	678.3	774.4
127.5°	308.9	316.2	328.7	348.5	376.8	411.6	453.8	508.9	580.1	664.1	754.3
130°	320.1	328.1	343.2	362.1	391.2	425.2	464.3	515.2	579.3	655.3	738.4
132.5°	329.8	340.2	354.4	375.0	402.4	436.4	474.7	520.8	578.5	647.3	721.5
135°	345.2	355.2	372.2	393.2	419.2	452.2	488.3	529.3	577.3	635.3	698.4
137.5°	359.6	370.6	386.8	408.6	433.4	464.3	497.8	534.3	577.0	624.9	677.3
140°	369.2	380.2	397.2	418.2	442.2	472.3	504.2	538.3	576.3	619.3	665.3
142.5°	380.4	390.5	406.8	427.0	450.2	479.4	509.0	541.5	576.3	614.5	654.1
145°	396.2	406.2	420.2	439.2	461.2	487.2	514.3	543.3	574.3	606.3	638.3
147.5°	412.0	420.8	435.2	451.0	470.8	495.2	518.8	544.2	570.7	598.9	625.3
150°	423.2	431.2	443.2	458.2	477.3	499.2	521.2	544.2	568.3	593.3	617.3
152.5°	432.8	440.8	452.0	465.5	482.8	502.5	522.9	542.7	564.3	586.9	608.5
155°	448.2	454.2	464.3	475.3	490.3	507.2	524.3	540.3	558.3	577.3	595.3
157.5°	461.4	467.0	474.8	484.4	496.3	510.7	524.3	537.7	552.1	567.5	581.1
160°	470.2	474.2	481.2	489.2	500.2	512.2	524.3	535.3	547.3	560.3	572.3
162.5°	477.4	480.6	486.8	494.0	502.7	513.8	524.3	532.9	542.4	553.9	563.4
165°	487.2	489.2	494.2	499.2	505.2	514.3	522.3	528.2	535.3	543.3	551.3
167.5°	495.2	496.3	500.1	502.8	507.5	514.0	519.9	523.5	528.1	533.6	539.5
170°	499.2	500.2	503.3	505.2	508.2	513.2	518.2	520.2	523.2	527.3	532.3
172.5°	503.3	503.4	505.7	506.9	509.0	512.5	516.7	517.0	518.4	521.7	525.8
175°	507.2	507.2	508.2	509.3	509.3	511.3	514.3	513.2	513.2	515.2	517.3
177.5°	509.3	508.4	509.3	509.3	509.3	510.1	511.6	510.1	510.1	510.8	511.6
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	872.2	873.3	874.1	876.8	877.0	879.4	877.0
5°	944.3	949.1	956.4	963.8	964.5	969.1	960.8
7.5°	1025.3	1036.1	1042.9	1054.8	1059.5	1062.5	1057.7
10°	1081.1	1091.1	1108.9	1117.6	1126.3	1127.6	1123.6
12.5°	1134.9	1150.8	1164.8	1181.4	1180.9	1192.7	1188.4
15°	1206.7	1223.1	1242.5	1260.9	1267.7	1267.7	1273.0
17.5°	1257.8	1288.0	1308.0	1322.5	1338.3	1341.1	1339.2
20°	1292.4	1324.9	1346.3	1365.1	1375.9	1378.9	1378.9
22.5°	1318.2	1345.8	1366.8	1383.6	1392.5	1396.0	1394.9
25°	1336.0	1359.8	1372.5	1377.5	1379.8	1379.1	1372.9
27.5°	1311.6	1310.5	1302.4	1287.0	1275.5	1268.4	1260.4
30°	1265.0	1247.5	1227.4	1205.3	1176.8	1155.0	1148.4
32.5°	1195.6	1156.4	1122.4	1085.5	1054.9	1033.1	1024.0
35°	1061.3	999.3	948.7	904.5	872.4	852.2	845.5
37.5°	902.0	842.0	779.4	736.5	709.8	689.5	681.9
40°	800.6	735.3	680.7	640.5	613.0	593.3	593.0
42.5°	708.2	645.8	594.4	565.5	535.9	522.8	522.7
45°	579.9	529.9	486.4	463.6	445.9	435.1	432.1
47.5°	480.1	438.9	409.8	391.7	377.2	370.4	365.9
50°	424.1	388.0	364.8	349.0	341.0	332.3	331.7
52.5°	377.5	348.3	330.3	317.5	307.3	302.0	302.2
55°	317.3	294.1	281.4	271.6	263.6	259.6	258.0
57.5°	267.3	249.9	240.6	231.8	228.3	225.2	224.3
60°	236.2	224.5	215.8	208.7	203.7	202.7	202.3
62.5°	210.4	198.2	192.2	186.8	183.0	181.5	180.9
65°	173.5	164.5	159.1	154.8	153.4	151.1	150.8
67.5°	139.9	134.5	131.0	127.9	126.1	126.0	126.0
70°	119.2	116.2	113.2	111.6	110.6	109.9	109.9
72.5°	101.6	99.4	96.9	96.0	95.8	95.1	94.9
75°	77.4	75.1	75.3	73.7	72.3	70.7	69.7
77.5°	54.8	53.2	52.9	52.7	51.5	51.3	51.8
80°	42.5	40.9	40.6	40.9	40.6	39.5	39.5
82.5°	32.4	31.0	30.7	30.4	30.0	30.4	29.9
85°	17.4	16.8	16.8	16.8	17.4	17.0	16.8
87.5°	10.0	9.9	10.2	10.1	10.3	9.8	10.1
90°	19.0	20.0	20.0	21.0	22.0	21.0	21.0
92.5°	147.8	117.7	97.6	85.8	80.4	77.1	77.1
95°	586.3	452.2	355.2	306.2	275.2	257.1	244.1
97.5°	1037.7	939.9	835.4	763.5	703.4	673.3	652.6
100°	1226.6	1177.6	1103.5	1016.5	955.5	925.5	917.5
102.5°	1300.2	1314.4	1283.6	1230.2	1185.9	1154.3	1148.0
105°	1293.7	1392.7	1433.7	1435.7	1427.7	1413.7	1407.6
107.5°	1190.6	1330.1	1419.3	1468.7	1491.5	1501.5	1504.2
110°	1110.5	1255.6	1365.6	1436.7	1478.7	1496.8	1505.7



TEST NUMBER: P332921-935

CATALOG NUMBER: SA4XXRDIP-C575D1205U935-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1040.1	1177.2	1287.2	1367.9	1418.7	1443.9	1458.5
115°	959.5	1076.5	1172.6	1251.6	1311.6	1343.7	1351.7
117.5°	913.4	1005.5	1086.9	1154.3	1204.8	1237.2	1243.4
120°	893.5	973.4	1044.5	1101.6	1145.6	1171.6	1182.6
122.5°	880.6	953.5	1015.7	1063.9	1101.6	1123.5	1134.5
125°	860.4	929.4	984.5	1024.5	1053.5	1072.5	1078.5
127.5°	836.6	905.4	957.7	997.9	1023.7	1039.7	1045.7
130°	817.4	885.5	938.5	979.5	1004.4	1020.5	1026.5
132.5°	795.8	862.2	915.2	955.5	983.7	998.8	1004.9
135°	763.4	824.4	874.4	914.5	942.5	958.5	964.5
137.5°	732.4	783.8	829.0	866.4	894.1	907.2	914.5
140°	712.3	757.3	799.4	834.4	856.4	870.4	878.4
142.5°	695.5	734.2	770.6	801.6	822.0	834.4	840.0
145°	672.4	702.3	730.4	755.4	772.4	782.4	787.4
147.5°	652.3	676.3	698.4	716.8	731.3	739.0	740.7
150°	640.3	660.3	678.3	694.3	707.3	713.3	714.4
152.5°	628.3	646.7	661.5	675.1	685.7	689.3	690.3
155°	611.3	626.3	638.3	648.3	656.3	659.4	659.4
157.5°	594.5	607.1	616.7	624.3	630.3	632.1	632.1
160°	583.2	594.3	602.3	608.3	614.3	615.3	615.3
162.5°	572.9	581.5	588.7	593.1	599.1	600.1	599.3
165°	557.2	564.3	569.3	573.3	577.3	576.3	575.3
167.5°	544.1	549.7	552.7	554.7	557.2	557.1	556.3
170°	535.3	539.2	542.3	544.2	545.3	544.2	544.2
172.5°	528.1	530.5	532.6	533.8	534.9	533.8	532.3
175°	518.2	520.2	520.2	520.2	522.3	520.2	518.2
177.5°	512.5	512.5	513.2	512.5	513.2	511.6	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3

(END OF REPORT)