

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: P332901

Luminaire Tested: **SA4XXRDIP-C575D590U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

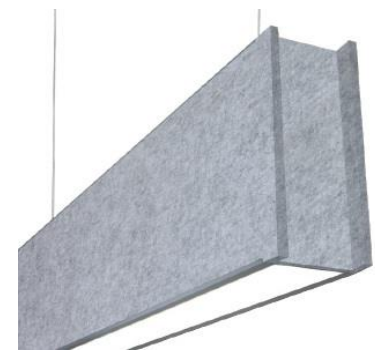
**Test Information**

Test Method: LM-79-08  
Report Number: P332901  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

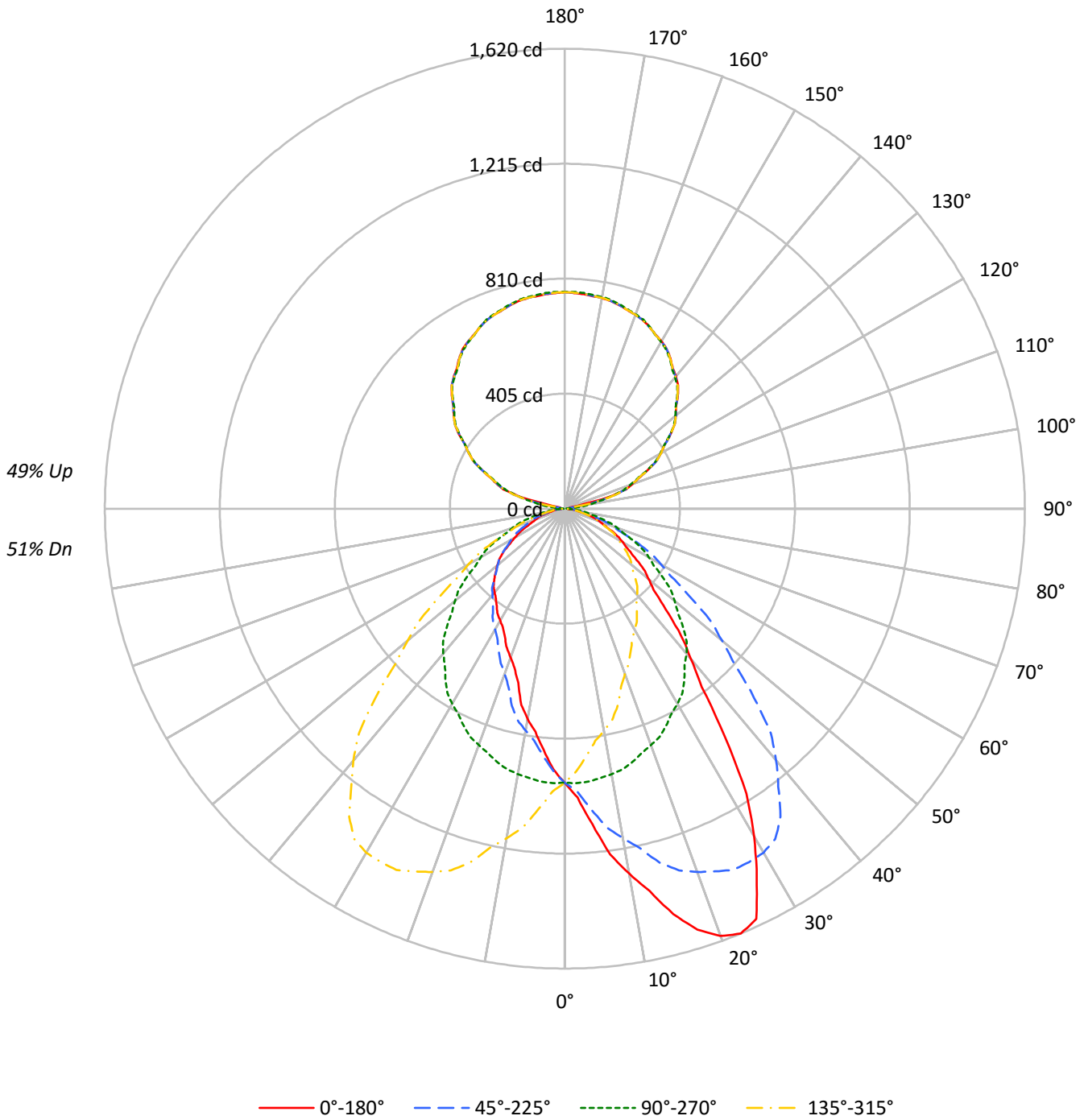
Lumens per Lamp: N/A  
Luminaire Lumens: 4802.4 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.8  
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	67	66	62	59	55	52	50	45	44	42	37
3	82	73	66	60	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	57	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28
5	70	58	50	44	64	54	47	42	47	41	37	40	36	32	33	30	28	25
6	64	52	44	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	59	47	40	34	55	44	37	32	38	33	29	33	29	25	28	24	22	19
8	55	43	35	30	51	40	33	29	35	30	26	30	26	23	25	22	20	17
9	51	39	32	27	48	37	30	26	32	27	23	28	24	20	24	20	18	16
10	48	36	29	24	44	34	27	23	30	24	21	26	21	19	22	19	16	14

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

	0°	90°	180°	270°
0°	7796	7796	7796	7796
5°	9043	7819	6912	7819
10°	10698	7785	6169	7785
15°	12357	7713	5300	7713
20°	13759	7614	4793	7614
25°	14203	7517	4450	7517
30°	12433	7399	4243	7399
35°	9678	7224	4119	7224
40°	7258	7024	4051	7024
45°	5730	6703	4015	6703
50°	4838	6332	3900	6332
55°	4217	5925	3690	5925
60°	3794	5503	3266	5503
65°	3345	5047	2810	5047
70°	3012	4574	2535	4574
75°	2523	4055	2162	4055
80°	2134	3454	2027	3454
85°	1806	2705	1806	2705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.6	1.9
10°-20°	282.2	5.9
20°-30°	441.5	9.2
30°-40°	490.8	10.2
40°-50°	435.4	9.1
50°-60°	339.3	7.1
60°-70°	222.1	4.6
70°-80°	109.2	2.3
80°-90°	29.2	0.6
90°-100°	26.1	0.5
100°-110°	166.3	3.5
110°-120°	318.2	6.6
120°-130°	403.9	8.4
130°-140°	432.1	9.0
140°-150°	404.1	8.4
150°-160°	325.9	6.8
160°-170°	210.2	4.4
170°-180°	72.4	1.5
0°-30°	817.3	17.0
0°-40°	1308.0	27.2
0°-60°	2082.7	43.4
0°-90°	2443.3	50.9
90°-120°	510.6	10.6
90°-150°	1750.6	36.5
90°-180°	2359.0	49.1
0°-180°	4802.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	966	966	966	966	966	
5°	1116	965	853	965	1116	113
15°	1478	923	634	923	1478	420
25°	1594	844	500	844	1594	707
35°	982	733	418	733	982	616
45°	502	587	352	587	502	397
55°	300	421	262	421	300	273
65°	175	264	147	264	175	176
75°	81	130	69	130	81	89
85°	20	29	20	29	20	22
90°	17	2	17	2	17	8
95°	16	31	16	31	16	13
105°	163	172	163	172	163	142
115°	323	321	323	321	323	320
125°	454	451	454	451	454	404
135°	563	559	563	559	563	433
145°	648	645	648	645	648	405
155°	706	707	706	707	706	326
165°	742	746	742	746	742	210
175°	758	763	758	763	758	72
180°	763	763	763	763	763	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	1018.6	1021.4	1018.6	1018.3	1015.2	1014.3	1013.0	1009.0	1001.5	997.1	998.1
5°	1115.9	1125.6	1120.2	1119.4	1110.8	1102.3	1096.8	1084.4	1071.1	1062.2	1054.8
7.5°	1228.4	1234.0	1230.6	1225.1	1211.3	1203.4	1190.8	1174.4	1150.7	1132.5	1116.0
10°	1305.0	1309.6	1308.1	1298.0	1287.9	1267.2	1255.6	1232.6	1202.6	1178.9	1156.7
12.5°	1380.3	1385.3	1371.6	1372.1	1352.9	1336.6	1318.1	1289.3	1254.6	1224.0	1196.3
15°	1478.5	1472.3	1472.3	1464.5	1443.1	1420.5	1401.5	1371.1	1327.5	1291.0	1252.5
17.5°	1555.4	1557.6	1554.4	1536.0	1519.2	1495.9	1460.9	1425.5	1385.0	1335.9	1296.6
20°	1601.5	1601.5	1598.0	1585.5	1563.7	1538.8	1501.1	1462.6	1411.2	1361.8	1317.4
22.5°	1620.1	1621.4	1617.3	1607.0	1587.4	1563.1	1531.0	1491.8	1438.9	1383.3	1328.3
25°	1594.5	1601.8	1602.6	1599.9	1594.1	1579.3	1551.7	1511.6	1464.1	1403.8	1344.7
27.5°	1463.9	1473.2	1481.4	1494.8	1512.7	1522.1	1523.3	1502.9	1461.5	1403.5	1344.0
30°	1333.8	1341.5	1366.8	1399.9	1425.6	1448.9	1469.2	1474.6	1451.3	1399.1	1336.5
32.5°	1189.3	1199.9	1225.2	1260.8	1303.6	1343.1	1388.6	1411.7	1411.1	1379.8	1321.9
35°	982.0	989.8	1013.2	1050.5	1101.9	1160.6	1232.6	1288.6	1326.8	1324.0	1288.6
37.5°	792.0	800.8	824.4	855.4	905.2	977.9	1047.6	1124.8	1195.3	1234.9	1223.0
40°	688.7	689.1	712.0	743.9	790.6	854.0	929.9	1015.5	1094.1	1158.3	1170.7
42.5°	607.1	607.2	622.4	656.8	690.4	750.1	822.5	907.5	999.5	1073.6	1106.6
45°	501.9	505.4	517.9	538.5	564.9	615.5	673.5	752.5	855.6	943.5	998.4
47.5°	425.0	430.2	438.1	454.9	476.0	509.7	557.6	628.6	712.5	809.2	887.3
50°	385.2	386.0	396.1	405.4	423.7	450.6	492.6	551.7	628.8	721.7	808.5
52.5°	351.0	350.8	356.9	368.7	383.6	404.5	438.4	492.3	560.6	643.9	733.5
55°	299.6	301.5	306.2	315.5	326.8	341.6	368.5	408.9	462.6	533.8	615.1
57.5°	260.5	261.5	265.2	269.2	279.5	290.3	310.4	338.5	383.8	442.1	517.9
60°	235.0	235.4	236.6	242.4	250.6	260.7	274.3	298.0	336.2	389.5	449.4
62.5°	210.1	210.8	212.6	216.9	223.2	230.2	244.4	263.5	295.1	340.6	394.6
65°	175.1	175.5	178.2	179.8	184.8	191.0	201.5	214.4	236.2	274.3	315.2
67.5°	146.3	146.3	146.4	148.6	152.1	156.2	162.5	172.8	189.2	212.6	248.6
70°	127.6	127.6	128.4	129.6	131.5	135.0	138.5	146.3	158.4	177.4	205.0
72.5°	110.2	110.5	111.3	111.5	112.5	115.4	118.0	122.9	131.9	146.3	168.6
75°	80.9	82.1	84.0	85.6	87.5	87.2	89.9	93.0	95.7	104.3	117.1
77.5°	60.2	59.6	59.8	61.2	61.4	61.8	63.7	66.1	68.2	72.2	76.8
80°	45.9	45.9	47.1	47.5	47.1	47.5	49.4	50.6	51.4	52.9	57.2
82.5°	34.7	35.3	34.9	35.3	35.6	36.0	37.6	37.8	38.6	39.2	41.0
85°	19.5	19.8	20.2	19.5	19.5	19.5	20.2	20.6	21.4	21.0	21.8
87.5°	10.3	9.9	10.2	10.1	10.4	10.0	10.1	10.6	9.8	10.0	9.8
90°	17.1	16.9	16.6	16.4	16.1	15.6	14.8	14.1	13.3	12.5	11.5
92.5°	15.7	15.7	15.6	15.6	15.5	15.1	14.4	13.6	12.9	12.1	11.1
95°	16.5	16.4	16.3	16.2	16.0	15.6	14.8	14.1	13.3	12.5	12.4
97.5°	16.0	15.8	15.7	15.6	15.5	15.4	15.3	15.2	15.1	15.1	29.2
100°	16.0	15.8	15.7	15.6	15.5	16.5	18.6	20.8	22.9	25.1	42.6
102.5°	16.4	16.4	16.4	16.4	16.3	27.9	51.2	74.4	97.7	120.9	123.2
105°	162.6	167.1	171.7	176.3	180.8	182.5	181.4	180.3	179.1	178.0	177.3
107.5°	226.6	226.1	225.6	225.1	224.6	224.1	223.6	223.0	222.5	221.9	221.0
110°	254.4	254.0	253.6	253.3	252.9	252.6	252.3	252.1	251.8	251.6	250.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	282.2	281.8	281.3	280.8	280.3	280.1	280.2	280.2	280.3	280.3	280.0
115°	322.9	322.9	322.9	322.9	322.9	322.7	322.5	322.2	322.0	321.7	321.8
117.5°	364.2	364.2	364.3	364.3	364.4	364.4	364.5	364.5	364.6	364.6	364.3
120°	390.2	390.4	390.7	390.9	391.2	391.2	390.9	390.7	390.4	390.2	390.3
122.5°	415.7	416.0	416.2	416.5	416.7	416.8	416.6	416.5	416.3	416.2	416.0
125°	454.1	453.9	453.8	453.7	453.6	453.3	452.9	452.5	452.2	451.8	452.0
127.5°	487.7	487.8	487.9	488.0	488.1	488.2	488.3	488.4	488.4	488.5	487.9
130°	510.5	510.5	510.5	510.5	510.5	510.5	510.3	510.2	510.1	510.0	509.6
132.5°	531.5	531.6	531.7	531.8	531.9	531.9	531.8	531.7	531.5	531.4	530.9
135°	563.0	562.8	562.5	562.2	562.0	561.7	561.5	561.2	561.0	560.7	560.2
137.5°	589.9	590.0	590.1	590.2	590.2	590.1	589.9	589.6	589.3	589.0	588.5
140°	608.6	608.5	608.4	608.3	608.1	607.9	607.5	607.1	606.7	606.4	606.1
142.5°	624.2	624.1	624.1	624.1	624.1	623.9	623.6	623.3	623.1	622.8	622.6
145°	648.0	647.8	647.5	647.2	647.0	646.8	646.7	646.5	646.4	646.3	646.3
147.5°	667.7	667.6	667.5	667.4	667.2	667.1	667.0	666.9	666.8	666.7	666.8
150°	680.5	680.4	680.3	680.1	680.0	679.9	679.9	679.9	679.9	679.9	680.1
152.5°	691.5	691.5	691.6	691.7	691.8	691.7	691.5	691.3	691.1	690.9	691.1
155°	706.2	706.6	706.9	707.3	707.7	707.6	707.1	706.6	706.1	705.6	706.0
157.5°	718.5	719.2	719.8	720.5	721.1	721.1	720.5	719.8	719.2	718.5	718.9
160°	726.7	727.5	728.2	729.0	729.8	729.8	729.0	728.2	727.5	726.7	726.8
162.5°	733.1	734.0	734.8	735.7	736.6	736.6	735.8	735.1	734.3	733.6	733.7
165°	742.1	743.3	744.4	745.5	746.7	746.8	745.7	744.7	743.7	742.7	742.7
167.5°	748.9	750.1	751.4	752.7	753.9	754.0	752.9	751.8	750.7	749.5	749.6
170°	753.0	754.2	755.5	756.8	758.0	758.2	757.1	756.1	755.1	754.1	754.0
172.5°	755.2	756.6	758.0	759.4	760.7	760.9	759.9	758.9	757.9	756.8	756.7
175°	758.1	759.6	761.1	762.7	764.2	764.4	763.2	762.1	760.9	759.8	759.7
177.5°	759.9	761.1	762.4	763.6	764.8	765.0	764.2	763.4	762.6	761.7	761.5
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	995.0	990.6	988.4	983.4	977.5	974.4	971.6	967.6	962.3	956.7	952.6
5°	1045.5	1036.1	1024.4	1010.4	998.0	985.9	975.4	964.9	952.9	940.4	928.0
7.5°	1097.3	1078.9	1059.1	1036.1	1013.8	993.5	974.8	956.9	936.7	918.5	902.0
10°	1133.4	1108.5	1080.9	1051.7	1022.5	997.2	972.3	949.7	924.8	902.7	884.0
12.5°	1162.7	1133.4	1100.2	1063.8	1028.7	998.1	969.5	940.1	911.8	887.7	862.8
15°	1211.2	1171.1	1126.4	1082.8	1037.3	995.7	957.1	922.9	890.6	856.8	833.0
17.5°	1244.6	1197.0	1142.7	1090.3	1036.5	987.4	943.0	902.2	864.9	830.4	802.1
20°	1264.5	1212.0	1151.7	1092.1	1031.8	979.3	931.5	886.3	847.8	810.5	781.3
22.5°	1275.7	1217.6	1151.7	1089.3	1026.9	970.0	917.5	870.5	828.5	791.2	758.9
25°	1279.3	1217.0	1149.7	1078.1	1009.7	949.4	894.9	843.9	797.2	759.9	725.6
27.5°	1274.3	1201.0	1132.1	1058.6	988.0	924.4	867.2	813.6	766.9	726.8	691.7
30°	1266.8	1188.3	1114.3	1038.1	966.5	905.4	845.1	793.7	745.1	703.5	668.1
32.5°	1250.7	1172.7	1093.2	1015.0	942.5	879.6	822.4	770.7	723.0	680.4	642.8
35°	1218.6	1139.6	1053.2	973.1	901.9	836.5	782.8	733.0	687.5	642.0	602.3
37.5°	1176.3	1095.7	1009.7	922.0	850.7	789.0	739.7	693.0	648.5	607.0	563.0
40°	1136.5	1063.0	974.3	887.1	814.0	754.4	708.9	666.5	621.8	580.5	536.5
42.5°	1088.3	1025.6	936.0	848.5	776.3	718.9	676.5	635.1	594.4	554.4	508.5
45°	1007.7	960.3	876.2	792.2	719.4	662.6	623.7	587.1	551.3	513.2	470.0
47.5°	915.4	883.3	810.8	724.7	657.4	606.3	568.7	538.8	508.5	470.4	432.5
50°	851.3	830.7	760.7	682.1	617.9	570.8	532.3	504.2	479.0	442.4	408.5
52.5°	782.8	771.9	712.7	637.5	575.5	529.4	496.5	471.3	445.7	415.3	383.6
55°	678.6	684.4	634.2	569.2	510.9	472.0	442.0	421.0	399.2	373.5	349.0
57.5°	571.9	593.3	559.6	502.5	447.8	411.9	389.3	371.6	353.4	332.0	311.1
60°	508.1	526.0	507.0	456.8	408.9	375.5	354.5	340.8	322.5	303.1	287.1
62.5°	445.9	465.0	453.7	413.2	368.8	340.0	321.5	308.8	295.2	278.2	261.6
65°	367.7	380.1	374.7	346.7	315.2	290.6	273.5	264.2	251.7	239.3	224.5
67.5°	281.6	305.7	302.5	287.6	260.4	241.2	230.0	221.8	210.4	201.2	191.1
70°	231.5	253.7	253.3	241.2	226.4	208.5	200.8	193.8	183.6	174.7	166.5
72.5°	189.5	209.8	212.8	203.6	193.5	179.9	172.4	167.6	157.8	151.7	145.0
75°	132.7	147.5	151.4	151.4	146.7	139.7	133.1	130.0	122.9	117.5	113.6
77.5°	87.0	96.3	102.4	103.8	104.5	102.2	96.7	94.5	89.2	87.2	83.5
80°	61.5	67.7	74.7	77.0	79.0	78.2	75.9	74.3	69.3	67.3	65.8
82.5°	42.5	45.9	51.7	56.8	56.3	58.3	56.3	55.0	51.2	50.5	48.9
85°	22.2	22.6	23.3	26.8	28.8	29.6	30.0	29.2	28.0	28.0	25.3
87.5°	9.6	9.1	9.5	9.2	9.3	10.2	10.9	10.9	10.3	9.6	9.0
90°	10.5	9.5	8.5	7.3	5.9	4.5	3.1	1.7	3.1	4.5	5.9
92.5°	10.1	9.1	8.0	7.5	7.4	7.3	7.3	7.2	7.3	7.3	7.4
95°	12.3	12.2	12.0	14.1	18.4	22.8	27.1	31.4	27.1	22.8	18.4
97.5°	43.4	57.5	71.6	77.4	74.7	72.0	69.3	66.6	69.3	72.0	74.7
100°	60.1	77.6	95.1	102.7	100.4	98.1	95.8	93.5	95.8	98.1	100.4
102.5°	125.5	127.8	130.1	130.4	128.7	127.0	125.3	123.7	125.3	127.0	128.7
105°	176.7	176.1	175.4	174.7	174.0	173.2	172.5	171.7	172.5	173.2	174.0
107.5°	220.2	219.3	218.4	217.8	217.4	217.1	216.7	216.3	216.7	217.1	217.4
110°	250.0	249.3	248.5	247.9	247.6	247.2	246.8	246.4	246.8	247.2	247.6





TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	279.6	279.2	278.9	278.4	277.7	277.0	276.3	275.6	276.3	277.0	277.7
115°	322.0	322.1	322.2	322.1	321.7	321.3	321.0	320.6	321.0	321.3	321.7
117.5°	364.1	363.8	363.5	363.1	362.6	362.1	361.6	361.1	361.6	362.1	362.6
120°	390.4	390.6	390.7	390.5	390.0	389.5	389.0	388.5	389.0	389.5	390.0
122.5°	415.8	415.7	415.5	415.2	414.9	414.6	414.3	414.0	414.3	414.6	414.9
125°	452.3	452.5	452.8	452.7	452.2	451.7	451.1	450.6	451.1	451.7	452.2
127.5°	487.3	486.8	486.2	485.8	485.7	485.6	485.4	485.3	485.4	485.6	485.7
130°	509.2	508.8	508.4	508.2	508.1	507.9	507.8	507.7	507.8	507.9	508.1
132.5°	530.4	530.0	529.5	529.1	528.9	528.7	528.4	528.2	528.4	528.7	528.9
135°	559.7	559.2	558.7	558.5	558.6	558.8	558.9	559.0	558.9	558.8	558.6
137.5°	587.9	587.3	586.8	586.5	586.4	586.4	586.3	586.3	586.3	586.4	586.4
140°	605.9	605.6	605.3	605.1	604.8	604.6	604.3	604.1	604.3	604.6	604.8
142.5°	622.5	622.3	622.2	621.9	621.4	621.0	620.5	620.1	620.5	621.0	621.4
145°	646.3	646.3	646.3	646.1	645.7	645.3	645.0	644.6	645.0	645.3	645.7
147.5°	667.0	667.1	667.2	666.9	666.2	665.5	664.8	664.1	664.8	665.5	666.2
150°	680.2	680.3	680.5	680.3	679.8	679.3	678.7	678.2	678.7	679.3	679.8
152.5°	691.4	691.6	691.8	691.7	691.3	690.9	690.5	690.1	690.5	690.9	691.3
155°	706.4	706.8	707.1	707.3	707.1	707.0	706.9	706.8	706.9	707.0	707.1
157.5°	719.4	719.8	720.2	720.5	720.6	720.6	720.7	720.8	720.7	720.6	720.6
160°	727.0	727.1	727.2	727.5	727.9	728.2	728.6	729.0	728.6	728.2	727.9
162.5°	733.8	733.9	734.1	734.4	734.9	735.3	735.8	736.3	735.8	735.3	734.9
165°	742.7	742.7	742.7	743.0	743.6	744.3	744.9	745.5	744.9	744.3	743.6
167.5°	749.7	749.8	749.8	750.2	750.9	751.5	752.2	752.8	752.2	751.5	750.9
170°	753.8	753.7	753.6	753.9	754.7	755.4	756.2	757.0	756.2	755.4	754.7
172.5°	756.6	756.5	756.3	756.7	757.4	758.2	758.9	759.7	758.9	758.2	757.4
175°	759.6	759.4	759.3	759.6	760.4	761.1	761.9	762.7	761.9	761.1	760.4
177.5°	761.3	761.1	760.9	761.2	761.9	762.6	763.3	764.0	763.3	762.6	761.9
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	948.3	945.2	941.1	936.4	930.8	925.9	923.7	925.5	926.5	924.0	923.7
5°	919.4	909.7	901.9	890.2	880.9	873.1	867.6	865.3	866.1	859.9	858.3
7.5°	886.9	875.4	862.7	848.8	835.9	824.5	818.5	815.2	808.6	805.8	801.0
10°	866.1	850.5	838.1	821.7	807.0	793.3	786.7	781.3	774.7	771.5	764.9
12.5°	844.6	826.6	812.9	795.9	780.8	764.4	758.1	748.0	737.6	731.1	722.6
15°	814.3	792.6	775.8	755.6	737.7	719.0	702.3	683.6	676.6	661.8	653.3
17.5°	778.9	756.8	736.1	709.0	681.4	658.2	640.3	622.5	611.7	602.3	597.9
20°	755.6	735.4	706.6	675.1	644.3	618.6	604.2	592.6	580.9	574.3	569.6
22.5°	733.5	707.7	674.2	640.2	609.5	589.4	577.2	565.2	555.7	549.4	543.2
25°	696.5	662.6	627.2	588.3	567.3	549.8	536.5	526.8	521.0	512.8	509.7
27.5°	658.4	617.4	578.3	552.2	530.3	514.3	502.8	495.5	488.1	482.8	478.8
30°	629.1	587.5	552.5	527.6	505.4	492.2	482.8	474.3	468.5	464.2	461.1
32.5°	600.2	558.6	529.1	502.4	484.9	472.0	462.0	455.6	451.0	445.5	443.6
35°	558.3	521.4	495.7	471.6	453.7	442.0	434.2	427.6	423.7	422.2	421.0
37.5°	518.1	487.8	460.2	440.4	424.5	415.3	406.1	402.9	400.2	397.4	398.7
40°	492.6	464.2	439.7	418.7	405.8	395.7	390.2	386.4	384.0	384.0	384.0
42.5°	470.5	442.7	418.8	400.0	387.1	378.6	372.5	369.2	368.5	368.1	370.0
45°	436.2	410.5	386.4	370.8	359.9	351.3	347.8	345.1	345.1	346.7	347.1
47.5°	402.2	378.1	358.7	341.3	331.3	326.0	322.9	321.5	321.7	323.2	325.0
50°	381.3	357.6	338.5	322.9	313.6	308.5	305.8	305.0	305.8	305.8	308.5
52.5°	358.6	337.3	318.6	305.5	294.9	290.2	288.7	287.6	288.1	289.3	290.5
55°	325.3	306.2	288.3	275.9	268.1	265.0	261.5	261.9	261.1	261.9	261.9
57.5°	291.9	274.8	258.1	248.2	241.4	236.9	233.1	234.1	233.0	232.8	232.2
60°	270.4	251.7	238.5	229.6	221.8	217.9	214.4	215.2	214.0	213.2	211.7
62.5°	247.1	231.5	218.9	210.3	204.0	199.5	196.0	195.2	192.5	189.9	186.4
65°	213.2	200.4	189.1	180.9	175.1	171.6	168.9	166.5	160.7	154.5	151.4
67.5°	180.3	171.0	160.5	153.6	148.9	144.3	139.1	135.1	129.6	126.2	124.3
70°	159.1	150.2	141.2	134.6	129.6	125.3	119.4	116.7	112.8	111.3	109.3
72.5°	138.9	130.6	122.2	116.3	110.9	107.5	103.0	100.2	98.5	97.9	95.9
75°	108.2	101.6	95.3	89.9	85.6	83.3	81.3	79.4	78.6	75.1	73.1
77.5°	78.9	74.5	70.7	66.8	63.7	62.2	58.4	56.2	54.9	53.2	52.8
80°	61.5	58.4	54.5	52.1	47.9	46.3	44.7	44.4	44.0	43.6	43.2
82.5°	46.2	43.1	39.2	37.8	36.7	35.7	34.8	34.4	34.0	34.2	34.2
85°	23.3	21.8	21.8	21.4	21.0	20.6	20.2	20.2	19.8	20.2	19.8
87.5°	9.2	9.2	9.4	9.0	9.5	9.7	9.5	9.7	10.1	9.7	9.8
90°	7.3	8.5	9.5	10.5	11.5	12.5	13.3	14.1	14.8	15.6	16.1
92.5°	7.5	8.0	9.1	10.1	11.1	12.1	12.9	13.6	14.4	15.1	15.5
95°	14.1	12.0	12.2	12.3	12.4	12.5	13.3	14.1	14.8	15.6	16.0
97.5°	77.4	71.6	57.5	43.4	29.2	15.1	15.1	15.2	15.3	15.4	15.5
100°	102.7	95.1	77.6	60.1	42.6	25.1	22.9	20.8	18.6	16.5	15.5
102.5°	130.4	130.1	127.8	125.5	123.2	120.9	97.7	74.4	51.2	27.9	16.3
105°	174.7	175.4	176.1	176.7	177.3	178.0	179.1	180.3	181.4	182.5	180.8
107.5°	217.8	218.4	219.3	220.2	221.0	221.9	222.5	223.0	223.6	224.1	224.6
110°	247.9	248.5	249.3	250.0	250.8	251.6	251.8	252.1	252.3	252.6	252.9



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	278.4	278.9	279.2	279.6	280.0	280.3	280.3	280.2	280.2	280.1	280.3
115°	322.1	322.2	322.1	322.0	321.8	321.7	322.0	322.2	322.5	322.7	322.9
117.5°	363.1	363.5	363.8	364.1	364.3	364.6	364.6	364.5	364.5	364.4	364.4
120°	390.5	390.7	390.6	390.4	390.3	390.2	390.4	390.7	390.9	391.2	391.2
122.5°	415.2	415.5	415.7	415.8	416.0	416.2	416.3	416.5	416.6	416.8	416.7
125°	452.7	452.8	452.5	452.3	452.0	451.8	452.2	452.5	452.9	453.3	453.6
127.5°	485.8	486.2	486.8	487.3	487.9	488.5	488.4	488.4	488.3	488.2	488.1
130°	508.2	508.4	508.8	509.2	509.6	510.0	510.1	510.2	510.3	510.5	510.5
132.5°	529.1	529.5	530.0	530.4	530.9	531.4	531.5	531.7	531.8	531.9	531.9
135°	558.5	558.7	559.2	559.7	560.2	560.7	561.0	561.2	561.5	561.7	562.0
137.5°	586.5	586.8	587.3	587.9	588.5	589.0	589.3	589.6	589.9	590.1	590.2
140°	605.1	605.3	605.6	605.9	606.1	606.4	606.7	607.1	607.5	607.9	608.1
142.5°	621.9	622.2	622.3	622.5	622.6	622.8	623.1	623.3	623.6	623.9	624.1
145°	646.1	646.3	646.3	646.3	646.3	646.3	646.4	646.5	646.7	646.8	647.0
147.5°	666.9	667.2	667.1	667.0	666.8	666.7	666.8	666.9	667.0	667.1	667.2
150°	680.3	680.5	680.3	680.2	680.1	679.9	679.9	679.9	679.9	679.9	680.0
152.5°	691.7	691.8	691.6	691.4	691.1	690.9	691.1	691.3	691.5	691.7	691.8
155°	707.3	707.1	706.8	706.4	706.0	705.6	706.1	706.6	707.1	707.6	707.7
157.5°	720.5	720.2	719.8	719.4	718.9	718.5	719.2	719.8	720.5	721.1	721.1
160°	727.5	727.2	727.1	727.0	726.8	726.7	727.5	728.2	729.0	729.8	729.8
162.5°	734.4	734.1	733.9	733.8	733.7	733.6	734.3	735.1	735.8	736.6	736.6
165°	743.0	742.7	742.7	742.7	742.7	742.7	743.7	744.7	745.7	746.8	746.7
167.5°	750.2	749.8	749.8	749.7	749.6	749.5	750.7	751.8	752.9	754.0	753.9
170°	753.9	753.6	753.7	753.8	754.0	754.1	755.1	756.1	757.1	758.2	758.0
172.5°	756.7	756.3	756.5	756.6	756.7	756.8	757.9	758.9	759.9	760.9	760.7
175°	759.6	759.3	759.4	759.6	759.7	759.8	760.9	762.1	763.2	764.4	764.2
177.5°	761.2	760.9	761.1	761.3	761.5	761.7	762.6	763.4	764.2	765.0	764.8
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	921.8	922.4	920.3	919.6	920.3	922.4	921.8	923.7	924.0	926.5	925.5
5°	855.2	854.4	852.5	852.9	852.5	854.4	855.2	858.3	859.9	866.1	865.3
7.5°	798.2	795.2	796.1	792.9	796.1	795.2	798.2	801.0	805.8	808.6	815.2
10°	763.4	759.1	755.6	752.5	755.6	759.1	763.4	764.9	771.5	774.7	781.3
12.5°	715.8	712.1	707.3	708.3	707.3	712.1	715.8	722.6	731.1	737.6	748.0
15°	648.2	642.4	633.0	634.2	633.0	642.4	648.2	653.3	661.8	676.6	683.6
17.5°	591.0	591.1	586.8	587.8	586.8	591.1	591.0	597.9	602.3	611.7	622.5
20°	561.4	558.7	559.1	557.9	559.1	558.7	561.4	569.6	574.3	580.9	592.6
22.5°	540.9	537.6	534.8	532.4	534.8	537.6	540.9	543.2	549.4	555.7	565.2
25°	506.2	503.9	500.4	499.6	500.4	503.9	506.2	509.7	512.8	521.0	526.8
27.5°	475.7	475.2	473.8	472.0	473.8	475.2	475.7	478.8	482.8	488.1	495.5
30°	457.9	457.2	456.4	455.2	456.4	457.2	457.9	461.1	464.2	468.5	474.3
32.5°	442.1	441.6	440.8	440.9	440.8	441.6	442.1	443.6	445.5	451.0	455.6
35°	419.4	419.0	418.3	417.9	418.3	419.0	419.4	421.0	422.2	423.7	427.6
37.5°	398.3	399.3	398.8	398.7	398.8	399.3	398.3	398.7	397.4	400.2	402.9
40°	383.6	384.0	384.8	384.4	384.8	384.0	383.6	384.0	384.0	384.0	386.4
42.5°	371.5	371.6	372.7	371.3	372.7	371.6	371.5	370.0	368.1	368.5	369.2
45°	349.8	352.1	351.7	351.7	351.7	352.1	349.8	347.1	346.7	345.1	345.1
47.5°	326.0	328.1	328.6	328.5	328.6	328.1	326.0	325.0	323.2	321.7	321.5
50°	310.5	309.7	310.9	310.5	310.9	309.7	310.5	308.5	305.8	305.8	305.0
52.5°	291.5	291.7	291.6	291.2	291.6	291.7	291.5	290.5	289.3	288.1	287.6
55°	262.2	262.6	261.9	262.2	261.9	262.6	262.2	261.9	261.9	261.1	261.9
57.5°	230.5	228.6	229.4	228.5	229.4	228.6	230.5	232.2	232.8	233.0	234.1
60°	207.8	204.7	203.9	202.3	203.9	204.7	207.8	211.7	213.2	214.0	215.2
62.5°	182.2	180.1	177.4	178.7	177.4	180.1	182.2	186.4	189.9	192.5	195.2
65°	148.2	146.7	145.5	147.1	145.5	146.7	148.2	151.4	154.5	160.7	166.5
67.5°	122.7	121.9	121.9	121.1	121.9	121.9	122.7	124.3	126.2	129.6	135.1
70°	109.3	108.2	108.2	107.4	108.2	108.2	109.3	109.3	111.3	112.8	116.7
72.5°	95.6	94.5	94.8	94.3	94.8	94.5	95.6	95.9	97.9	98.5	100.2
75°	70.8	68.9	68.9	69.3	68.9	68.9	70.8	73.1	75.1	78.6	79.4
77.5°	52.8	52.4	53.0	52.3	53.0	52.4	52.8	52.8	53.2	54.9	56.2
80°	43.2	42.8	42.4	43.6	42.4	42.8	43.2	43.2	43.6	44.0	44.4
82.5°	33.5	33.5	33.4	34.9	33.4	33.5	33.5	34.2	34.2	34.0	34.4
85°	20.2	19.5	20.2	19.5	20.2	19.5	20.2	19.8	20.2	19.8	20.2
87.5°	10.4	10.2	9.9	10.3	9.9	10.2	10.4	9.8	9.7	10.1	9.7
90°	16.4	16.6	16.9	17.1	16.9	16.6	16.4	16.1	15.6	14.8	14.1
92.5°	15.6	15.6	15.7	15.7	15.7	15.6	15.6	15.5	15.1	14.4	13.6
95°	16.2	16.3	16.4	16.5	16.4	16.3	16.2	16.0	15.6	14.8	14.1
97.5°	15.6	15.7	15.8	16.0	15.8	15.7	15.6	15.5	15.4	15.3	15.2
100°	15.6	15.7	15.8	16.0	15.8	15.7	15.6	15.5	16.5	18.6	20.8
102.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.3	27.9	51.2	74.4
105°	176.3	171.7	167.1	162.6	167.1	171.7	176.3	180.8	182.5	181.4	180.3
107.5°	225.1	225.6	226.1	226.6	226.1	225.6	225.1	224.6	224.1	223.6	223.0
110°	253.3	253.6	254.0	254.4	254.0	253.6	253.3	252.9	252.6	252.3	252.1



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	280.8	281.3	281.8	282.2	281.8	281.3	280.8	280.3	280.1	280.2	280.2
115°	322.9	322.9	322.9	322.9	322.9	322.9	322.9	322.9	322.7	322.5	322.2
117.5°	364.3	364.3	364.2	364.2	364.2	364.3	364.3	364.4	364.4	364.5	364.5
120°	390.9	390.7	390.4	390.2	390.4	390.7	390.9	391.2	391.2	390.9	390.7
122.5°	416.5	416.2	416.0	415.7	416.0	416.2	416.5	416.7	416.8	416.6	416.5
125°	453.7	453.8	453.9	454.1	453.9	453.8	453.7	453.6	453.3	452.9	452.5
127.5°	488.0	487.9	487.8	487.7	487.8	487.9	488.0	488.1	488.2	488.3	488.4
130°	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.3	510.2
132.5°	531.8	531.7	531.6	531.5	531.6	531.7	531.8	531.9	531.9	531.8	531.7
135°	562.2	562.5	562.8	563.0	562.8	562.5	562.2	562.0	561.7	561.5	561.2
137.5°	590.2	590.1	590.0	589.9	590.0	590.1	590.2	590.2	590.1	589.9	589.6
140°	608.3	608.4	608.5	608.6	608.5	608.4	608.3	608.1	607.9	607.5	607.1
142.5°	624.1	624.1	624.1	624.2	624.1	624.1	624.1	624.1	623.9	623.6	623.3
145°	647.2	647.5	647.8	648.0	647.8	647.5	647.2	647.0	646.8	646.7	646.5
147.5°	667.4	667.5	667.6	667.7	667.6	667.5	667.4	667.2	667.1	667.0	666.9
150°	680.1	680.3	680.4	680.5	680.4	680.3	680.1	680.0	679.9	679.9	679.9
152.5°	691.7	691.6	691.5	691.5	691.5	691.6	691.7	691.8	691.7	691.5	691.3
155°	707.3	706.9	706.6	706.2	706.6	706.9	707.3	707.7	707.6	707.1	706.6
157.5°	720.5	719.8	719.2	718.5	719.2	719.8	720.5	721.1	721.1	720.5	719.8
160°	729.0	728.2	727.5	726.7	727.5	728.2	729.0	729.8	729.8	729.0	728.2
162.5°	735.7	734.8	734.0	733.1	734.0	734.8	735.7	736.6	736.6	735.8	735.1
165°	745.5	744.4	743.3	742.1	743.3	744.4	745.5	746.7	746.8	745.7	744.7
167.5°	752.7	751.4	750.1	748.9	750.1	751.4	752.7	753.9	754.0	752.9	751.8
170°	756.8	755.5	754.2	753.0	754.2	755.5	756.8	758.0	758.2	757.1	756.1
172.5°	759.4	758.0	756.6	755.2	756.6	758.0	759.4	760.7	760.9	759.9	758.9
175°	762.7	761.1	759.6	758.1	759.6	761.1	762.7	764.2	764.4	763.2	762.1
177.5°	763.6	762.4	761.1	759.9	761.1	762.4	763.6	764.8	765.0	764.2	763.4
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	923.7	925.9	930.8	936.4	941.1	945.2	948.3	952.6	956.7	962.3	967.6
5°	867.6	873.1	880.9	890.2	901.9	909.7	919.4	928.0	940.4	952.9	964.9
7.5°	818.5	824.5	835.9	848.8	862.7	875.4	886.9	902.0	918.5	936.7	956.9
10°	786.7	793.3	807.0	821.7	838.1	850.5	866.1	884.0	902.7	924.8	949.7
12.5°	758.1	764.4	780.8	795.9	812.9	826.6	844.6	862.8	887.7	911.8	940.1
15°	702.3	719.0	737.7	755.6	775.8	792.6	814.3	833.0	856.8	890.6	922.9
17.5°	640.3	658.2	681.4	709.0	736.1	756.8	778.9	802.1	830.4	864.9	902.2
20°	604.2	618.6	644.3	675.1	706.6	735.4	755.6	781.3	810.5	847.8	886.3
22.5°	577.2	589.4	609.5	640.2	674.2	707.7	733.5	758.9	791.2	828.5	870.5
25°	536.5	549.8	567.3	588.3	627.2	662.6	696.5	725.6	759.9	797.2	843.9
27.5°	502.8	514.3	530.3	552.2	578.3	617.4	658.4	691.7	726.8	766.9	813.6
30°	482.8	492.2	505.4	527.6	552.5	587.5	629.1	668.1	703.5	745.1	793.7
32.5°	462.0	472.0	484.9	502.4	529.1	558.6	600.2	642.8	680.4	723.0	770.7
35°	434.2	442.0	453.7	471.6	495.7	521.4	558.3	602.3	642.0	687.5	733.0
37.5°	406.1	415.3	424.5	440.4	460.2	487.8	518.1	563.0	607.0	648.5	693.0
40°	390.2	395.7	405.8	418.7	439.7	464.2	492.6	536.5	580.5	621.8	666.5
42.5°	372.5	378.6	387.1	400.0	418.8	442.7	470.5	508.5	554.4	594.4	635.1
45°	347.8	351.3	359.9	370.8	386.4	410.5	436.2	470.0	513.2	551.3	587.1
47.5°	322.9	326.0	331.3	341.3	358.7	378.1	402.2	432.5	470.4	508.5	538.8
50°	305.8	308.5	313.6	322.9	338.5	357.6	381.3	408.5	442.4	479.0	504.2
52.5°	288.7	290.2	294.9	305.5	318.6	337.3	358.6	383.6	415.3	445.7	471.3
55°	261.5	265.0	268.1	275.9	288.3	306.2	325.3	349.0	373.5	399.2	421.0
57.5°	233.1	236.9	241.4	248.2	258.1	274.8	291.9	311.1	332.0	353.4	371.6
60°	214.4	217.9	221.8	229.6	238.5	251.7	270.4	287.1	303.1	322.5	340.8
62.5°	196.0	199.5	204.0	210.3	218.9	231.5	247.1	261.6	278.2	295.2	308.8
65°	168.9	171.6	175.1	180.9	189.1	200.4	213.2	224.5	239.3	251.7	264.2
67.5°	139.1	144.3	148.9	153.6	160.5	171.0	180.3	191.1	201.2	210.4	221.8
70°	119.4	125.3	129.6	134.6	141.2	150.2	159.1	166.5	174.7	183.6	193.8
72.5°	103.0	107.5	110.9	116.3	122.2	130.6	138.9	145.0	151.7	157.8	167.6
75°	81.3	83.3	85.6	89.9	95.3	101.6	108.2	113.6	117.5	122.9	130.0
77.5°	58.4	62.2	63.7	66.8	70.7	74.5	78.9	83.5	87.2	89.2	94.5
80°	44.7	46.3	47.9	52.1	54.5	58.4	61.5	65.8	67.3	69.3	74.3
82.5°	34.8	35.7	36.7	37.8	39.2	43.1	46.2	48.9	50.5	51.2	55.0
85°	20.2	20.6	21.0	21.4	21.8	21.8	23.3	25.3	28.0	28.0	29.2
87.5°	9.5	9.7	9.5	9.0	9.4	9.2	9.2	9.0	9.6	10.3	10.9
90°	13.3	12.5	11.5	10.5	9.5	8.5	7.3	5.9	4.5	3.1	1.7
92.5°	12.9	12.1	11.1	10.1	9.1	8.0	7.5	7.4	7.3	7.3	7.2
95°	13.3	12.5	12.4	12.3	12.2	12.0	14.1	18.4	22.8	27.1	31.4
97.5°	15.1	15.1	29.2	43.4	57.5	71.6	77.4	74.7	72.0	69.3	66.6
100°	22.9	25.1	42.6	60.1	77.6	95.1	102.7	100.4	98.1	95.8	93.5
102.5°	97.7	120.9	123.2	125.5	127.8	130.1	130.4	128.7	127.0	125.3	123.7
105°	179.1	178.0	177.3	176.7	176.1	175.4	174.7	174.0	173.2	172.5	171.7
107.5°	222.5	221.9	221.0	220.2	219.3	218.4	217.8	217.4	217.1	216.7	216.3
110°	251.8	251.6	250.8	250.0	249.3	248.5	247.9	247.6	247.2	246.8	246.4



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.3	280.3	280.0	279.6	279.2	278.9	278.4	277.7	277.0	276.3	275.6
115°	322.0	321.7	321.8	322.0	322.1	322.2	322.1	321.7	321.3	321.0	320.6
117.5°	364.6	364.6	364.3	364.1	363.8	363.5	363.1	362.6	362.1	361.6	361.1
120°	390.4	390.2	390.3	390.4	390.6	390.7	390.5	390.0	389.5	389.0	388.5
122.5°	416.3	416.2	416.0	415.8	415.7	415.5	415.2	414.9	414.6	414.3	414.0
125°	452.2	451.8	452.0	452.3	452.5	452.8	452.7	452.2	451.7	451.1	450.6
127.5°	488.4	488.5	487.9	487.3	486.8	486.2	485.8	485.7	485.6	485.4	485.3
130°	510.1	510.0	509.6	509.2	508.8	508.4	508.2	508.1	507.9	507.8	507.7
132.5°	531.5	531.4	530.9	530.4	530.0	529.5	529.1	528.9	528.7	528.4	528.2
135°	561.0	560.7	560.2	559.7	559.2	558.7	558.5	558.6	558.8	558.9	559.0
137.5°	589.3	589.0	588.5	587.9	587.3	586.8	586.5	586.4	586.4	586.3	586.3
140°	606.7	606.4	606.1	605.9	605.6	605.3	605.1	604.8	604.6	604.3	604.1
142.5°	623.1	622.8	622.6	622.5	622.3	622.2	621.9	621.4	621.0	620.5	620.1
145°	646.4	646.3	646.3	646.3	646.3	646.3	646.1	645.7	645.3	645.0	644.6
147.5°	666.8	666.7	666.8	667.0	667.1	667.2	666.9	666.2	665.5	664.8	664.1
150°	679.9	679.9	680.1	680.2	680.3	680.5	680.3	679.8	679.3	678.7	678.2
152.5°	691.1	690.9	691.1	691.4	691.6	691.8	691.7	691.3	690.9	690.5	690.1
155°	706.1	705.6	706.0	706.4	706.8	707.1	707.3	707.1	707.0	706.9	706.8
157.5°	719.2	718.5	718.9	719.4	719.8	720.2	720.5	720.6	720.6	720.7	720.8
160°	727.5	726.7	726.8	727.0	727.1	727.2	727.5	727.9	728.2	728.6	729.0
162.5°	734.3	733.6	733.7	733.8	733.9	734.1	734.4	734.9	735.3	735.8	736.3
165°	743.7	742.7	742.7	742.7	742.7	742.7	743.0	743.6	744.3	744.9	745.5
167.5°	750.7	749.5	749.6	749.7	749.8	749.8	750.2	750.9	751.5	752.2	752.8
170°	755.1	754.1	754.0	753.8	753.7	753.6	753.9	754.7	755.4	756.2	757.0
172.5°	757.9	756.8	756.7	756.6	756.5	756.3	756.7	757.4	758.2	758.9	759.7
175°	760.9	759.8	759.7	759.6	759.4	759.3	759.6	760.4	761.1	761.9	762.7
177.5°	762.6	761.7	761.5	761.3	761.1	760.9	761.2	761.9	762.6	763.3	764.0
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



TEST NUMBER: P332901

CATALOG NUMBER: SA4XXRDIP-C575D590U835-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	971.6	974.4	977.5	983.4	988.4	990.6	995.0	998.1	997.1	1001.5	1009.0
5°	975.4	985.9	998.0	1010.4	1024.4	1036.1	1045.5	1054.8	1062.2	1071.1	1084.4
7.5°	974.8	993.5	1013.8	1036.1	1059.1	1078.9	1097.3	1116.0	1132.5	1150.7	1174.4
10°	972.3	997.2	1022.5	1051.7	1080.9	1108.5	1133.4	1156.7	1178.9	1202.6	1232.6
12.5°	969.5	998.1	1028.7	1063.8	1100.2	1133.4	1162.7	1196.3	1224.0	1254.6	1289.3
15°	957.1	995.7	1037.3	1082.8	1126.4	1171.1	1211.2	1252.5	1291.0	1327.5	1371.1
17.5°	943.0	987.4	1036.5	1090.3	1142.7	1197.0	1244.6	1296.6	1335.9	1385.0	1425.5
20°	931.5	979.3	1031.8	1092.1	1151.7	1212.0	1264.5	1317.4	1361.8	1411.2	1462.6
22.5°	917.5	970.0	1026.9	1089.3	1151.7	1217.6	1275.7	1328.3	1383.3	1438.9	1491.8
25°	894.9	949.4	1009.7	1078.1	1149.7	1217.0	1279.3	1344.7	1403.8	1464.1	1511.6
27.5°	867.2	924.4	988.0	1058.6	1132.1	1201.0	1274.3	1344.0	1403.5	1461.5	1502.9
30°	845.1	905.4	966.5	1038.1	1114.3	1188.3	1266.8	1336.5	1399.1	1451.3	1474.6
32.5°	822.4	879.6	942.5	1015.0	1093.2	1172.7	1250.7	1321.9	1379.8	1411.1	1411.7
35°	782.8	836.5	901.9	973.1	1053.2	1139.6	1218.6	1288.6	1324.0	1326.8	1288.6
37.5°	739.7	789.0	850.7	922.0	1009.7	1095.7	1176.3	1223.0	1234.9	1195.3	1124.8
40°	708.9	754.4	814.0	887.1	974.3	1063.0	1136.5	1170.7	1158.3	1094.1	1015.5
42.5°	676.5	718.9	776.3	848.5	936.0	1025.6	1088.3	1106.6	1073.6	999.5	907.5
45°	623.7	662.6	719.4	792.2	876.2	960.3	1007.7	998.4	943.5	855.6	752.5
47.5°	568.7	606.3	657.4	724.7	810.8	883.3	915.4	887.3	809.2	712.5	628.6
50°	532.3	570.8	617.9	682.1	760.7	830.7	851.3	808.5	721.7	628.8	551.7
52.5°	496.5	529.4	575.5	637.5	712.7	771.9	782.8	733.5	643.9	560.6	492.3
55°	442.0	472.0	510.9	569.2	634.2	684.4	678.6	615.1	533.8	462.6	408.9
57.5°	389.3	411.9	447.8	502.5	559.6	593.3	571.9	517.9	442.1	383.8	338.5
60°	354.5	375.5	408.9	456.8	507.0	526.0	508.1	449.4	389.5	336.2	298.0
62.5°	321.5	340.0	368.8	413.2	453.7	465.0	445.9	394.6	340.6	295.1	263.5
65°	273.5	290.6	315.2	346.7	374.7	380.1	367.7	315.2	274.3	236.2	214.4
67.5°	230.0	241.2	260.4	287.6	302.5	305.7	281.6	248.6	212.6	189.2	172.8
70°	200.8	208.5	226.4	241.2	253.3	253.7	231.5	205.0	177.4	158.4	146.3
72.5°	172.4	179.9	193.5	203.6	212.8	209.8	189.5	168.6	146.3	131.9	122.9
75°	133.1	139.7	146.7	151.4	151.4	147.5	132.7	117.1	104.3	95.7	93.0
77.5°	96.7	102.2	104.5	103.8	102.4	96.3	87.0	76.8	72.2	68.2	66.1
80°	75.9	78.2	79.0	77.0	74.7	67.7	61.5	57.2	52.9	51.4	50.6
82.5°	56.3	58.3	56.3	56.8	51.7	45.9	42.5	41.0	39.2	38.6	37.8
85°	30.0	29.6	28.8	26.8	23.3	22.6	22.2	21.8	21.0	21.4	20.6
87.5°	10.9	10.2	9.3	9.2	9.5	9.1	9.6	9.8	10.0	9.8	10.6
90°	3.1	4.5	5.9	7.3	8.5	9.5	10.5	11.5	12.5	13.3	14.1
92.5°	7.3	7.3	7.4	7.5	8.0	9.1	10.1	11.1	12.1	12.9	13.6
95°	27.1	22.8	18.4	14.1	12.0	12.2	12.3	12.4	12.5	13.3	14.1
97.5°	69.3	72.0	74.7	77.4	71.6	57.5	43.4	29.2	15.1	15.1	15.2
100°	95.8	98.1	100.4	102.7	95.1	77.6	60.1	42.6	25.1	22.9	20.8
102.5°	125.3	127.0	128.7	130.4	130.1	127.8	125.5	123.2	120.9	97.7	74.4
105°	172.5	173.2	174.0	174.7	175.4	176.1	176.7	177.3	178.0	179.1	180.3
107.5°	216.7	217.1	217.4	217.8	218.4	219.3	220.2	221.0	221.9	222.5	223.0
110°	246.8	247.2	247.6	247.9	248.5	249.3	250.0	250.8	251.6	251.8	252.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.3	277.0	277.7	278.4	278.9	279.2	279.6	280.0	280.3	280.3	280.2
115°	321.0	321.3	321.7	322.1	322.2	322.1	322.0	321.8	321.7	322.0	322.2
117.5°	361.6	362.1	362.6	363.1	363.5	363.8	364.1	364.3	364.6	364.6	364.5
120°	389.0	389.5	390.0	390.5	390.7	390.6	390.4	390.3	390.2	390.4	390.7
122.5°	414.3	414.6	414.9	415.2	415.5	415.7	415.8	416.0	416.2	416.3	416.5
125°	451.1	451.7	452.2	452.7	452.8	452.5	452.3	452.0	451.8	452.2	452.5
127.5°	485.4	485.6	485.7	485.8	486.2	486.8	487.3	487.9	488.5	488.4	488.4
130°	507.8	507.9	508.1	508.2	508.4	508.8	509.2	509.6	510.0	510.1	510.2
132.5°	528.4	528.7	528.9	529.1	529.5	530.0	530.4	530.9	531.4	531.5	531.7
135°	558.9	558.8	558.6	558.5	558.7	559.2	559.7	560.2	560.7	561.0	561.2
137.5°	586.3	586.4	586.4	586.5	586.8	587.3	587.9	588.5	589.0	589.3	589.6
140°	604.3	604.6	604.8	605.1	605.3	605.6	605.9	606.1	606.4	606.7	607.1
142.5°	620.5	621.0	621.4	621.9	622.2	622.3	622.5	622.6	622.8	623.1	623.3
145°	645.0	645.3	645.7	646.1	646.3	646.3	646.3	646.3	646.3	646.4	646.5
147.5°	664.8	665.5	666.2	666.9	667.2	667.1	667.0	666.8	666.7	666.8	666.9
150°	678.7	679.3	679.8	680.3	680.5	680.3	680.2	680.1	679.9	679.9	679.9
152.5°	690.5	690.9	691.3	691.7	691.8	691.6	691.4	691.1	690.9	691.1	691.3
155°	706.9	707.0	707.1	707.3	707.1	706.8	706.4	706.0	705.6	706.1	706.6
157.5°	720.7	720.6	720.6	720.5	720.2	719.8	719.4	718.9	718.5	719.2	719.8
160°	728.6	728.2	727.9	727.5	727.2	727.1	727.0	726.8	726.7	727.5	728.2
162.5°	735.8	735.3	734.9	734.4	734.1	733.9	733.8	733.7	733.6	734.3	735.1
165°	744.9	744.3	743.6	743.0	742.7	742.7	742.7	742.7	742.7	743.7	744.7
167.5°	752.2	751.5	750.9	750.2	749.8	749.8	749.7	749.6	749.5	750.7	751.8
170°	756.2	755.4	754.7	753.9	753.6	753.7	753.8	754.0	754.1	755.1	756.1
172.5°	758.9	758.2	757.4	756.7	756.3	756.5	756.6	756.7	756.8	757.9	758.9
175°	761.9	761.1	760.4	759.6	759.3	759.4	759.6	759.7	759.8	760.9	762.1
177.5°	763.3	762.6	761.9	761.2	760.9	761.1	761.3	761.5	761.7	762.6	763.4
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7	762.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	1013.0	1014.3	1015.2	1018.3	1018.6	1021.4	1018.6
5°	1096.8	1102.3	1110.8	1119.4	1120.2	1125.6	1115.9
7.5°	1190.8	1203.4	1211.3	1225.1	1230.6	1234.0	1228.4
10°	1255.6	1267.2	1287.9	1298.0	1308.1	1309.6	1305.0
12.5°	1318.1	1336.6	1352.9	1372.1	1371.6	1385.3	1380.3
15°	1401.5	1420.5	1443.1	1464.5	1472.3	1472.3	1478.5
17.5°	1460.9	1495.9	1519.2	1536.0	1554.4	1557.6	1555.4
20°	1501.1	1538.8	1563.7	1585.5	1598.0	1601.5	1601.5
22.5°	1531.0	1563.1	1587.4	1607.0	1617.3	1621.4	1620.1
25°	1551.7	1579.3	1594.1	1599.9	1602.6	1601.8	1594.5
27.5°	1523.3	1522.1	1512.7	1494.8	1481.4	1473.2	1463.9
30°	1469.2	1448.9	1425.6	1399.9	1366.8	1341.5	1333.8
32.5°	1388.6	1343.1	1303.6	1260.8	1225.2	1199.9	1189.3
35°	1232.6	1160.6	1101.9	1050.5	1013.2	989.8	982.0
37.5°	1047.6	977.9	905.2	855.4	824.4	800.8	792.0
40°	929.9	854.0	790.6	743.9	712.0	689.1	688.7
42.5°	822.5	750.1	690.4	656.8	622.4	607.2	607.1
45°	673.5	615.5	564.9	538.5	517.9	505.4	501.9
47.5°	557.6	509.7	476.0	454.9	438.1	430.2	425.0
50°	492.6	450.6	423.7	405.4	396.1	386.0	385.2
52.5°	438.4	404.5	383.6	368.7	356.9	350.8	351.0
55°	368.5	341.6	326.8	315.5	306.2	301.5	299.6
57.5°	310.4	290.3	279.5	269.2	265.2	261.5	260.5
60°	274.3	260.7	250.6	242.4	236.6	235.4	235.0
62.5°	244.4	230.2	223.2	216.9	212.6	210.8	210.1
65°	201.5	191.0	184.8	179.8	178.2	175.5	175.1
67.5°	162.5	156.2	152.1	148.6	146.4	146.3	146.3
70°	138.5	135.0	131.5	129.6	128.4	127.6	127.6
72.5°	118.0	115.4	112.5	111.5	111.3	110.5	110.2
75°	89.9	87.2	87.5	85.6	84.0	82.1	80.9
77.5°	63.7	61.8	61.4	61.2	59.8	59.6	60.2
80°	49.4	47.5	47.1	47.5	47.1	45.9	45.9
82.5°	37.6	36.0	35.6	35.3	34.9	35.3	34.7
85°	20.2	19.5	19.5	19.5	20.2	19.8	19.5
87.5°	10.1	10.0	10.4	10.1	10.2	9.9	10.3
90°	14.8	15.6	16.1	16.4	16.6	16.9	17.1
92.5°	14.4	15.1	15.5	15.6	15.6	15.7	15.7
95°	14.8	15.6	16.0	16.2	16.3	16.4	16.5
97.5°	15.3	15.4	15.5	15.6	15.7	15.8	16.0
100°	18.6	16.5	15.5	15.6	15.7	15.8	16.0
102.5°	51.2	27.9	16.3	16.4	16.4	16.4	16.4
105°	181.4	182.5	180.8	176.3	171.7	167.1	162.6
107.5°	223.6	224.1	224.6	225.1	225.6	226.1	226.6
110°	252.3	252.6	252.9	253.3	253.6	254.0	254.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	280.2	280.1	280.3	280.8	281.3	281.8	282.2
115°	322.5	322.7	322.9	322.9	322.9	322.9	322.9
117.5°	364.5	364.4	364.4	364.3	364.3	364.2	364.2
120°	390.9	391.2	391.2	390.9	390.7	390.4	390.2
122.5°	416.6	416.8	416.7	416.5	416.2	416.0	415.7
125°	452.9	453.3	453.6	453.7	453.8	453.9	454.1
127.5°	488.3	488.2	488.1	488.0	487.9	487.8	487.7
130°	510.3	510.5	510.5	510.5	510.5	510.5	510.5
132.5°	531.8	531.9	531.9	531.8	531.7	531.6	531.5
135°	561.5	561.7	562.0	562.2	562.5	562.8	563.0
137.5°	589.9	590.1	590.2	590.2	590.1	590.0	589.9
140°	607.5	607.9	608.1	608.3	608.4	608.5	608.6
142.5°	623.6	623.9	624.1	624.1	624.1	624.1	624.2
145°	646.7	646.8	647.0	647.2	647.5	647.8	648.0
147.5°	667.0	667.1	667.2	667.4	667.5	667.6	667.7
150°	679.9	679.9	680.0	680.1	680.3	680.4	680.5
152.5°	691.5	691.7	691.8	691.7	691.6	691.5	691.5
155°	707.1	707.6	707.7	707.3	706.9	706.6	706.2
157.5°	720.5	721.1	721.1	720.5	719.8	719.2	718.5
160°	729.0	729.8	729.8	729.0	728.2	727.5	726.7
162.5°	735.8	736.6	736.6	735.7	734.8	734.0	733.1
165°	745.7	746.8	746.7	745.5	744.4	743.3	742.1
167.5°	752.9	754.0	753.9	752.7	751.4	750.1	748.9
170°	757.1	758.2	758.0	756.8	755.5	754.2	753.0
172.5°	759.9	760.9	760.7	759.4	758.0	756.6	755.2
175°	763.2	764.4	764.2	762.7	761.1	759.6	758.1
177.5°	764.2	765.0	764.8	763.6	762.4	761.1	759.9
180°	762.7	762.7	762.7	762.7	762.7	762.7	762.7

(END OF REPORT)