

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: P332564-830

Luminaire Tested: **SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332564-830  
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: SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

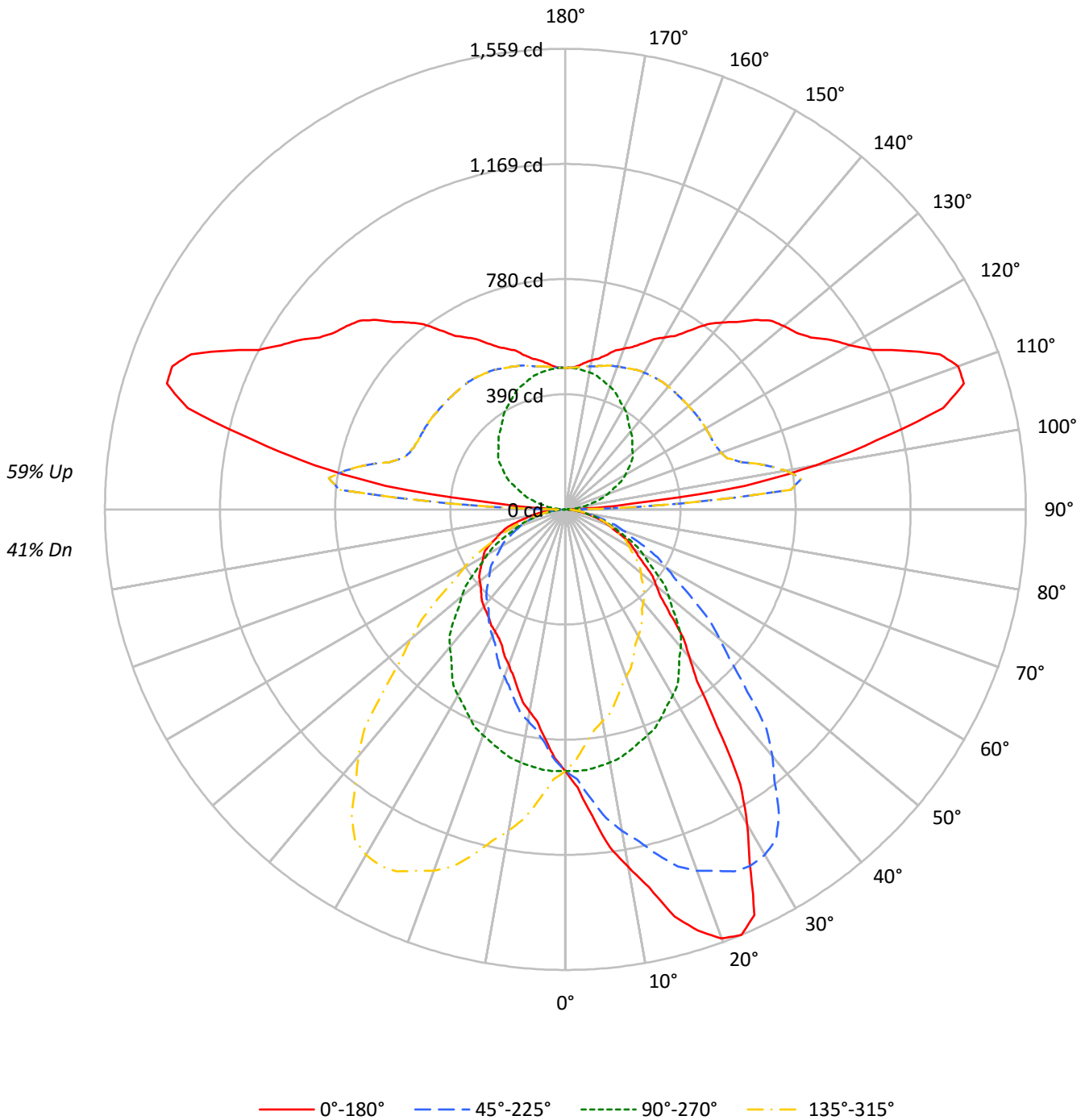
Lumens per Lamp: N/A  
Luminaire Lumens: 5928.4 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

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



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	96	92	88	85	87	84	81	78	69	67	65	55	54	52	43	42	41	35
2	88	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	71	64	58	73	65	59	54	54	49	45	43	40	37	34	32	30	25
4	73	63	55	49	67	58	51	46	48	43	39	39	35	32	30	28	26	22
5	67	56	48	42	61	51	44	39	43	38	34	35	31	28	27	25	23	19
6	62	50	42	37	56	46	39	34	39	33	29	31	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	27	23	26	22	19	21	18	16	13
9	49	37	30	25	45	35	28	24	29	24	20	24	20	17	19	16	14	12
10	46	34	27	23	42	32	25	21	27	22	18	22	18	16	18	15	13	11

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

	0°	90°	180°	270°
0°	7146	7146	7146	7146
5°	8417	7165	6324	7165
10°	10077	7133	5694	7133
15°	11922	7061	5229	7061
20°	13277	6988	4814	6988
25°	13491	6879	4528	6879
30°	11479	6776	4437	6776
35°	8825	6606	4438	6606
40°	6880	6407	4521	6407
45°	5736	6109	4598	6109
50°	5048	5743	4752	5743
55°	4625	5306	4944	5306
60°	4334	4913	5176	4913
65°	4034	4476	5366	4476
70°	3687	4043	5488	4043
75°	3297	3556	5421	3556
80°	2762	2915	5249	2915
85°	2038	2103	5030	2103



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	1.5
10°-20°	265.8	4.5
20°-30°	421.5	7.1
30°-40°	469.1	7.9
40°-50°	427.0	7.2
50°-60°	349.0	5.9
60°-70°	249.1	4.2
70°-80°	137.2	2.3
80°-90°	40.1	0.7
90°-100°	345.9	5.8
100°-110°	720.0	12.1
110°-120°	644.9	10.9
120°-130°	542.4	9.1
130°-140°	452.3	7.6
140°-150°	345.5	5.8
150°-160°	242.9	4.1
160°-170°	142.9	2.4
170°-180°	46.5	0.8
0°-30°	773.6	13.0
0°-40°	1242.8	21.0
0°-60°	2018.8	34.1
0°-90°	2445.1	41.2
90°-120°	1710.8	28.9
90°-150°	3051.1	51.5
90°-180°	3483.0	58.8
0°-180°	5928.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	885	885	885	885	885	
5°	1039	884	780	884	1039	106
15°	1426	845	626	845	1426	403
25°	1515	772	508	772	1515	668
35°	896	670	450	670	896	568
45°	502	535	403	535	502	396
55°	329	377	351	377	329	297
65°	211	234	281	234	211	209
75°	106	114	174	114	106	112
85°	22	23	54	23	22	27
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°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	942.2	941.9	939.0	938.4	936.3	933.7	933.1	928.4	919.0	914.6	913.4
5°	1038.6	1045.9	1036.3	1034.5	1033.4	1021.3	1015.1	1007.8	990.9	981.0	973.3
7.5°	1153.6	1154.4	1150.3	1146.9	1137.6	1127.0	1111.2	1094.3	1074.2	1053.3	1037.6
10°	1229.3	1232.2	1227.5	1226.7	1208.0	1196.3	1172.8	1153.0	1130.2	1104.9	1081.9
12.5°	1309.1	1305.0	1302.5	1286.9	1283.4	1262.0	1234.7	1214.3	1179.2	1150.1	1119.4
15°	1426.5	1418.5	1413.3	1391.8	1381.1	1351.4	1322.4	1300.0	1254.2	1210.6	1177.5
17.5°	1495.5	1503.5	1491.7	1482.8	1455.3	1434.5	1404.9	1357.9	1322.0	1267.8	1226.2
20°	1545.4	1546.1	1539.5	1530.3	1508.7	1482.3	1450.0	1398.7	1355.8	1301.8	1244.6
22.5°	1558.9	1559.1	1556.2	1547.7	1531.3	1509.9	1477.3	1434.5	1382.5	1323.9	1266.7
25°	1514.6	1513.2	1516.5	1526.0	1519.8	1513.2	1494.4	1462.5	1414.1	1352.1	1290.5
27.5°	1350.0	1360.1	1378.8	1402.2	1424.8	1442.0	1446.9	1440.4	1410.3	1359.3	1294.9
30°	1231.4	1244.0	1257.8	1281.4	1326.8	1352.8	1381.5	1403.1	1391.0	1350.3	1290.2
32.5°	1101.2	1104.3	1124.9	1151.7	1193.4	1243.4	1288.7	1332.7	1347.3	1326.0	1275.7
35°	895.5	900.7	923.0	949.4	1000.4	1061.7	1129.9	1190.7	1241.0	1261.2	1235.5
37.5°	730.8	745.6	761.3	789.7	834.6	889.8	960.6	1039.3	1114.3	1164.4	1172.9
40°	652.8	661.9	673.4	694.9	733.1	787.4	848.2	938.5	1018.0	1090.0	1113.4
42.5°	591.2	596.5	603.5	623.0	652.1	706.1	761.7	841.0	921.0	1006.9	1046.2
45°	502.4	507.9	519.6	531.0	553.0	590.4	642.2	707.4	787.7	870.6	943.2
47.5°	438.3	441.9	448.8	461.0	479.7	504.4	546.4	600.9	675.3	755.8	833.2
50°	401.9	404.8	410.4	421.4	435.6	457.7	492.1	543.1	601.4	682.5	758.4
52.5°	373.2	374.4	378.4	385.9	397.3	415.8	444.0	486.2	540.5	612.7	688.2
55°	328.6	330.1	333.8	339.2	349.1	360.9	382.5	414.1	461.4	524.1	589.7
57.5°	291.9	292.9	296.1	298.1	306.3	315.8	332.4	355.0	390.9	444.0	502.7
60°	268.4	267.7	271.4	273.2	278.7	286.8	299.6	321.2	352.4	395.3	449.2
62.5°	245.5	244.5	247.6	250.1	253.2	260.0	270.6	287.5	312.8	351.7	398.2
65°	211.2	209.8	211.6	214.5	217.4	221.1	228.8	243.8	264.0	291.9	327.4
67.5°	176.7	178.3	178.6	180.0	181.7	186.7	192.0	202.6	216.9	239.2	269.3
70°	156.2	156.6	158.1	158.1	159.2	163.5	168.0	174.2	188.1	208.7	233.3
72.5°	135.7	137.2	136.7	137.8	138.6	141.6	144.8	150.7	162.6	177.9	198.6
75°	105.7	106.7	106.7	107.1	108.2	109.2	111.9	116.2	124.7	136.0	150.3
77.5°	77.0	77.2	77.7	79.0	79.0	80.8	82.7	86.1	90.4	98.1	106.9
80°	59.4	60.1	59.8	60.5	60.5	62.0	62.7	67.1	68.9	74.1	81.1
82.5°	43.5	44.3	44.2	45.2	45.8	46.1	47.1	48.9	50.7	55.3	58.2
85°	22.0	22.7	22.0	22.7	23.8	24.2	25.3	25.6	27.1	28.3	30.8
87.5°	10.4	11.3	11.5	11.6	12.0	12.3	12.3	11.9	12.9	13.4	14.1
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°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	913.7	909.6	906.7	904.4	897.9	894.1	891.2	887.0	882.3	877.3	871.2
5°	965.6	953.1	944.0	930.0	916.8	905.8	894.5	884.2	871.7	858.2	848.2
7.5°	1020.1	1001.5	977.8	957.2	934.0	913.8	895.8	877.3	858.1	839.4	822.4
10°	1054.7	1030.9	1004.5	973.3	944.0	917.9	893.7	870.2	847.5	824.7	805.3
12.5°	1091.9	1062.2	1023.2	986.7	953.9	919.1	889.9	861.1	833.7	809.8	787.1
15°	1142.0	1099.1	1054.0	1005.2	962.0	921.2	881.3	844.9	814.2	782.6	760.6
17.5°	1172.7	1119.6	1068.1	1017.1	964.7	913.3	870.2	828.4	789.8	758.5	730.8
20°	1193.0	1140.2	1076.0	1025.0	962.6	909.8	860.0	813.4	773.1	739.7	711.1
22.5°	1210.6	1149.5	1085.3	1018.2	956.2	900.1	845.6	798.7	757.5	722.4	694.9
25°	1220.1	1150.1	1080.3	1013.6	943.2	876.8	827.4	772.3	728.3	691.3	661.9
27.5°	1221.2	1146.2	1067.4	993.3	920.6	858.8	796.3	747.1	701.4	662.2	634.0
30°	1217.9	1139.8	1055.1	974.8	901.8	834.6	780.4	726.9	680.2	641.4	612.1
32.5°	1207.6	1126.2	1039.2	954.2	878.6	812.9	757.0	706.1	660.6	622.4	591.5
35°	1177.9	1097.6	1004.8	916.4	839.1	772.7	722.1	670.3	624.9	588.6	558.9
37.5°	1131.5	1058.9	964.6	873.1	797.1	730.5	680.2	633.6	592.6	555.6	525.2
40°	1091.0	1027.2	932.6	843.5	761.3	697.9	650.9	608.0	567.3	532.4	503.5
42.5°	1044.3	988.7	901.4	807.1	727.8	664.1	618.4	579.9	541.5	509.3	480.3
45°	961.2	924.5	842.4	755.1	672.6	612.5	568.8	535.1	502.8	471.3	447.0
47.5°	865.5	847.3	778.2	695.3	617.0	557.7	519.9	488.7	460.4	433.7	412.4
50°	801.3	792.5	732.7	652.8	578.0	522.3	484.1	457.3	433.1	409.6	389.5
52.5°	737.9	737.6	683.7	610.5	541.3	487.6	449.8	424.7	403.8	384.7	366.6
55°	641.0	651.3	609.2	543.8	481.9	433.5	399.4	377.0	362.3	346.6	333.0
57.5°	552.0	569.1	534.3	476.8	425.1	380.5	350.8	334.0	318.4	308.9	299.0
60°	494.0	510.1	483.0	434.6	385.8	347.6	319.4	304.3	290.8	284.2	277.2
62.5°	442.3	456.8	436.6	391.7	349.4	312.7	288.9	274.5	265.3	258.1	253.4
65°	368.5	380.7	363.4	330.8	294.5	265.1	245.7	234.3	225.6	222.6	217.4
67.5°	297.9	309.0	299.6	271.9	242.8	220.6	205.4	194.4	189.3	186.6	183.0
70°	256.0	267.0	257.0	232.9	210.5	191.8	177.5	171.3	165.8	164.7	159.6
72.5°	220.5	228.0	218.0	199.2	180.0	164.2	153.2	146.7	143.7	141.8	139.0
75°	165.4	172.0	165.4	150.7	137.1	126.1	116.6	114.0	110.7	109.6	107.8
77.5°	117.1	122.8	117.7	108.6	98.4	89.9	84.8	81.5	80.8	78.9	79.7
80°	89.4	93.1	88.4	82.2	74.1	68.2	64.6	62.7	60.5	59.8	61.3
82.5°	64.3	65.9	63.4	59.3	53.3	49.4	46.9	44.8	44.4	44.5	44.5
85°	33.4	33.0	32.6	28.9	27.1	24.6	23.1	22.7	22.3	23.1	23.8
87.5°	13.8	14.0	12.6	11.5	10.4	9.3	8.5	7.8	8.5	9.3	9.8
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: P332564-830

CATALOG NUMBER: SA4XXDIP-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: P332564-830

CATALOG NUMBER: SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	868.3	865.6	861.8	856.5	852.2	847.4	846.2	844.5	848.0	845.1	844.2
5°	839.8	832.1	822.2	810.9	804.3	794.7	792.9	789.2	785.5	785.1	781.5
7.5°	809.6	798.3	785.4	773.8	763.1	752.7	745.8	744.4	739.0	735.8	732.2
10°	790.3	776.4	761.3	750.4	737.8	726.9	719.2	714.7	711.1	707.0	703.4
12.5°	767.4	752.6	740.2	728.3	713.5	705.1	692.5	684.9	684.1	684.2	674.7
15°	740.7	726.1	707.0	690.2	682.1	666.0	659.0	650.2	644.7	639.2	634.8
17.5°	710.4	692.1	677.2	657.8	642.4	629.6	620.4	615.1	606.9	599.1	593.4
20°	691.3	671.8	656.1	635.6	618.7	602.9	595.2	587.9	581.6	575.0	568.8
22.5°	671.9	651.6	632.4	612.4	596.6	580.0	572.6	562.6	556.7	553.0	546.8
25°	641.4	619.4	597.4	578.3	562.2	547.5	537.6	529.9	523.3	520.4	516.3
27.5°	608.2	586.4	565.1	543.5	525.2	514.5	506.6	500.8	497.0	493.1	491.3
30°	587.1	564.4	541.7	521.5	504.6	494.0	486.6	482.6	479.7	477.9	476.0
32.5°	565.7	543.3	519.3	501.0	485.9	476.4	470.8	466.7	465.3	464.7	464.0
35°	531.4	508.7	486.6	470.1	455.8	452.1	447.4	445.2	444.5	447.0	448.2
37.5°	498.1	477.0	456.8	440.8	431.4	426.0	424.4	424.5	427.2	429.4	432.1
40°	476.7	456.2	437.2	423.2	414.4	411.1	410.4	412.2	415.1	417.7	420.7
42.5°	455.9	435.6	418.4	405.3	399.2	396.2	396.6	398.4	402.6	405.7	410.1
45°	423.6	406.7	389.8	379.2	374.1	374.8	374.8	378.1	382.1	386.9	391.6
47.5°	393.1	376.1	362.2	353.3	350.6	350.0	352.0	356.4	362.2	368.1	374.8
50°	372.6	356.5	344.3	336.3	333.4	334.4	337.4	341.4	348.4	355.7	362.7
52.5°	351.8	337.1	325.8	318.4	316.3	318.3	321.2	327.6	333.8	341.7	350.1
55°	319.4	307.0	298.1	292.7	291.9	293.0	296.3	303.3	312.1	322.0	330.1
57.5°	287.2	276.8	268.7	264.9	265.3	266.4	271.7	280.0	289.5	300.0	310.4
60°	265.5	256.0	249.4	246.5	246.9	249.0	255.6	263.3	275.0	285.3	296.3
62.5°	245.0	236.6	230.3	227.6	227.2	232.0	238.3	246.3	258.1	269.5	281.3
65°	212.0	205.4	200.2	198.8	199.8	203.5	211.6	222.3	232.1	244.2	256.7
67.5°	179.6	174.3	170.8	171.4	172.8	178.1	184.9	194.1	205.3	217.8	230.2
70°	159.2	154.0	151.1	151.5	153.6	160.2	166.2	175.3	187.4	200.2	210.5
72.5°	138.1	134.7	132.1	133.6	135.7	140.3	147.6	156.8	167.5	179.4	190.3
75°	105.9	105.9	104.5	105.7	109.0	113.3	118.9	128.4	139.0	148.5	157.3
77.5°	78.6	77.9	78.8	80.1	82.0	87.2	93.5	100.4	108.3	117.9	125.2
80°	60.1	60.5	62.3	64.6	65.3	69.3	75.9	82.2	88.4	96.4	103.4
82.5°	45.1	45.5	46.5	49.3	50.0	54.4	58.6	64.8	70.5	75.9	81.7
85°	24.6	24.6	26.4	27.5	29.3	32.2	34.9	38.5	43.6	47.3	52.8
87.5°	10.9	10.9	13.2	13.8	15.1	16.9	17.2	20.7	22.1	23.8	26.4
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: P332564-830

CATALOG NUMBER: SA4XXDIP-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: P332564-830

CATALOG NUMBER: SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	843.6	843.0	840.9	840.7	840.9	843.0	843.6	844.2	845.1	848.0	844.5
5°	779.3	777.5	776.4	780.4	776.4	777.5	779.3	781.5	785.1	785.5	789.2
7.5°	730.8	729.3	726.1	725.1	726.1	729.3	730.8	732.2	735.8	739.0	744.4
10°	699.7	698.2	695.3	694.6	695.3	698.2	699.7	703.4	707.0	711.1	714.7
12.5°	669.8	666.8	666.3	667.0	666.3	666.8	669.8	674.7	684.2	684.1	684.9
15°	630.0	628.6	624.5	625.7	624.5	628.6	630.0	634.8	639.2	644.7	650.2
17.5°	590.9	589.1	584.2	588.5	584.2	589.1	590.9	593.4	599.1	606.9	615.1
20°	566.2	563.3	560.7	560.3	560.7	563.3	566.2	568.8	575.0	581.6	587.9
22.5°	542.7	540.1	539.9	537.4	539.9	540.1	542.7	546.8	553.0	556.7	562.6
25°	513.4	510.9	510.1	508.3	510.1	510.9	513.4	516.3	520.4	523.3	529.9
27.5°	490.9	489.7	488.3	488.9	488.3	489.7	490.9	491.3	493.1	497.0	500.8
30°	477.1	476.7	476.0	476.0	476.0	476.7	477.1	476.0	477.9	479.7	482.6
32.5°	465.7	465.6	466.0	466.0	466.0	465.6	465.7	464.0	464.7	465.3	466.7
35°	449.6	450.7	451.5	450.3	451.5	450.7	449.6	448.2	447.0	444.5	445.2
37.5°	435.1	436.2	437.2	438.5	437.2	436.2	435.1	432.1	429.4	427.2	424.5
40°	424.0	426.5	427.3	429.0	427.3	426.5	424.0	420.7	417.7	415.1	412.2
42.5°	413.4	416.2	418.1	418.5	418.1	416.2	413.4	410.1	405.7	402.6	398.4
45°	397.2	400.1	402.7	402.7	402.7	400.1	397.2	391.6	386.9	382.1	378.1
47.5°	380.4	384.7	387.2	387.9	387.2	384.7	380.4	374.8	368.1	362.2	356.4
50°	368.9	374.1	376.6	378.4	376.6	374.1	368.9	362.7	355.7	348.4	341.4
52.5°	357.8	362.9	366.4	367.3	366.4	362.9	357.8	350.1	341.7	333.8	327.6
55°	338.5	345.8	349.9	351.3	349.9	345.8	338.5	330.1	322.0	312.1	303.3
57.5°	320.3	327.1	331.8	332.8	331.8	327.1	320.3	310.4	300.0	289.5	280.0
60°	306.2	313.6	319.4	320.6	319.4	313.6	306.2	296.3	285.3	275.0	263.3
62.5°	291.8	299.4	304.7	307.6	304.7	299.4	291.8	281.3	269.5	258.1	246.3
65°	267.0	274.7	279.8	280.9	279.8	274.7	267.0	256.7	244.2	232.1	222.3
67.5°	239.9	247.5	250.9	253.1	250.9	247.5	239.9	230.2	217.8	205.3	194.1
70°	220.7	227.0	230.6	232.5	230.6	227.0	220.7	210.5	200.2	187.4	175.3
72.5°	199.1	205.6	209.8	210.2	209.8	205.6	199.1	190.3	179.4	167.5	156.8
75°	165.8	171.6	173.8	173.8	173.8	171.6	165.8	157.3	148.5	139.0	128.4
77.5°	131.2	134.2	137.0	137.6	137.0	134.2	131.2	125.2	117.9	108.3	100.4
80°	109.0	110.7	112.9	112.9	112.9	110.7	109.0	103.4	96.4	88.4	82.2
82.5°	86.1	87.6	89.7	89.4	89.7	87.6	86.1	81.7	75.9	70.5	64.8
85°	52.0	55.4	55.0	54.3	55.0	55.4	52.0	52.8	47.3	43.6	38.5
87.5°	27.4	27.9	28.6	29.2	28.6	27.9	27.4	26.4	23.8	22.1	20.7
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: P332564-830

CATALOG NUMBER: SA4XXDIP-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: P332564-830

CATALOG NUMBER: SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	846.2	847.4	852.2	856.5	861.8	865.6	868.3	871.2	877.3	882.3	887.0
5°	792.9	794.7	804.3	810.9	822.2	832.1	839.8	848.2	858.2	871.7	884.2
7.5°	745.8	752.7	763.1	773.8	785.4	798.3	809.6	822.4	839.4	858.1	877.3
10°	719.2	726.9	737.8	750.4	761.3	776.4	790.3	805.3	824.7	847.5	870.2
12.5°	692.5	705.1	713.5	728.3	740.2	752.6	767.4	787.1	809.8	833.7	861.1
15°	659.0	666.0	682.1	690.2	707.0	726.1	740.7	760.6	782.6	814.2	844.9
17.5°	620.4	629.6	642.4	657.8	677.2	692.1	710.4	730.8	758.5	789.8	828.4
20°	595.2	602.9	618.7	635.6	656.1	671.8	691.3	711.1	739.7	773.1	813.4
22.5°	572.6	580.0	596.6	612.4	632.4	651.6	671.9	694.9	722.4	757.5	798.7
25°	537.6	547.5	562.2	578.3	597.4	619.4	641.4	661.9	691.3	728.3	772.3
27.5°	506.6	514.5	525.2	543.5	565.1	586.4	608.2	634.0	662.2	701.4	747.1
30°	486.6	494.0	504.6	521.5	541.7	564.4	587.1	612.1	641.4	680.2	726.9
32.5°	470.8	476.4	485.9	501.0	519.3	543.3	565.7	591.5	622.4	660.6	706.1
35°	447.4	452.1	455.8	470.1	486.6	508.7	531.4	558.9	588.6	624.9	670.3
37.5°	424.4	426.0	431.4	440.8	456.8	477.0	498.1	525.2	555.6	592.6	633.6
40°	410.4	411.1	414.4	423.2	437.2	456.2	476.7	503.5	532.4	567.3	608.0
42.5°	396.6	396.2	399.2	405.3	418.4	435.6	455.9	480.3	509.3	541.5	579.9
45°	374.8	374.8	374.1	379.2	389.8	406.7	423.6	447.0	471.3	502.8	535.1
47.5°	352.0	350.0	350.6	353.3	362.2	376.1	393.1	412.4	433.7	460.4	488.7
50°	337.4	334.4	333.4	336.3	344.3	356.5	372.6	389.5	409.6	433.1	457.3
52.5°	321.2	318.3	316.3	318.4	325.8	337.1	351.8	366.6	384.7	403.8	424.7
55°	296.3	293.0	291.9	292.7	298.1	307.0	319.4	333.0	346.6	362.3	377.0
57.5°	271.7	266.4	265.3	264.9	268.7	276.8	287.2	299.0	308.9	318.4	334.0
60°	255.6	249.0	246.9	246.5	249.4	256.0	265.5	277.2	284.2	290.8	304.3
62.5°	238.3	232.0	227.2	227.6	230.3	236.6	245.0	253.4	258.1	265.3	274.5
65°	211.6	203.5	199.8	198.8	200.2	205.4	212.0	217.4	222.6	225.6	234.3
67.5°	184.9	178.1	172.8	171.4	170.8	174.3	179.6	183.0	186.6	189.3	194.4
70°	166.2	160.2	153.6	151.5	151.1	154.0	159.2	159.6	164.7	165.8	171.3
72.5°	147.6	140.3	135.7	133.6	132.1	134.7	138.1	139.0	141.8	143.7	146.7
75°	118.9	113.3	109.0	105.7	104.5	105.9	105.9	107.8	109.6	110.7	114.0
77.5°	93.5	87.2	82.0	80.1	78.8	77.9	78.6	79.7	78.9	80.8	81.5
80°	75.9	69.3	65.3	64.6	62.3	60.5	60.1	61.3	59.8	60.5	62.7
82.5°	58.6	54.4	50.0	49.3	46.5	45.5	45.1	44.5	44.5	44.4	44.8
85°	34.9	32.2	29.3	27.5	26.4	24.6	24.6	23.8	23.1	22.3	22.7
87.5°	17.2	16.9	15.1	13.8	13.2	10.9	10.9	9.8	9.3	8.5	7.8
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: P332564-830

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**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: P332564-830

CATALOG NUMBER: SA4XXDIP-C575D1035U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	891.2	894.1	897.9	904.4	906.7	909.6	913.7	913.4	914.6	919.0	928.4
5°	894.5	905.8	916.8	930.0	944.0	953.1	965.6	973.3	981.0	990.9	1007.8
7.5°	895.8	913.8	934.0	957.2	977.8	1001.5	1020.1	1037.6	1053.3	1074.2	1094.3
10°	893.7	917.9	944.0	973.3	1004.5	1030.9	1054.7	1081.9	1104.9	1130.2	1153.0
12.5°	889.9	919.1	953.9	986.7	1023.2	1062.2	1091.9	1119.4	1150.1	1179.2	1214.3
15°	881.3	921.2	962.0	1005.2	1054.0	1099.1	1142.0	1177.5	1210.6	1254.2	1300.0
17.5°	870.2	913.3	964.7	1017.1	1068.1	1119.6	1172.7	1226.2	1267.8	1322.0	1357.9
20°	860.0	909.8	962.6	1025.0	1076.0	1140.2	1193.0	1244.6	1301.8	1355.8	1398.7
22.5°	845.6	900.1	956.2	1018.2	1085.3	1149.5	1210.6	1266.7	1323.9	1382.5	1434.5
25°	827.4	876.8	943.2	1013.6	1080.3	1150.1	1220.1	1290.5	1352.1	1414.1	1462.5
27.5°	796.3	858.8	920.6	993.3	1067.4	1146.2	1221.2	1294.9	1359.3	1410.3	1440.4
30°	780.4	834.6	901.8	974.8	1055.1	1139.8	1217.9	1290.2	1350.3	1391.0	1403.1
32.5°	757.0	812.9	878.6	954.2	1039.2	1126.2	1207.6	1275.7	1326.0	1347.3	1332.7
35°	722.1	772.7	839.1	916.4	1004.8	1097.6	1177.9	1235.5	1261.2	1241.0	1190.7
37.5°	680.2	730.5	797.1	873.1	964.6	1058.9	1131.5	1172.9	1164.4	1114.3	1039.3
40°	650.9	697.9	761.3	843.5	932.6	1027.2	1091.0	1113.4	1090.0	1018.0	938.5
42.5°	618.4	664.1	727.8	807.1	901.4	988.7	1044.3	1046.2	1006.9	921.0	841.0
45°	568.8	612.5	672.6	755.1	842.4	924.5	961.2	943.2	870.6	787.7	707.4
47.5°	519.9	557.7	617.0	695.3	778.2	847.3	865.5	833.2	755.8	675.3	600.9
50°	484.1	522.3	578.0	652.8	732.7	792.5	801.3	758.4	682.5	601.4	543.1
52.5°	449.8	487.6	541.3	610.5	683.7	737.6	737.9	688.2	612.7	540.5	486.2
55°	399.4	433.5	481.9	543.8	609.2	651.3	641.0	589.7	524.1	461.4	414.1
57.5°	350.8	380.5	425.1	476.8	534.3	569.1	552.0	502.7	444.0	390.9	355.0
60°	319.4	347.6	385.8	434.6	483.0	510.1	494.0	449.2	395.3	352.4	321.2
62.5°	288.9	312.7	349.4	391.7	436.6	456.8	442.3	398.2	351.7	312.8	287.5
65°	245.7	265.1	294.5	330.8	363.4	380.7	368.5	327.4	291.9	264.0	243.8
67.5°	205.4	220.6	242.8	271.9	299.6	309.0	297.9	269.3	239.2	216.9	202.6
70°	177.5	191.8	210.5	232.9	257.0	267.0	256.0	233.3	208.7	188.1	174.2
72.5°	153.2	164.2	180.0	199.2	218.0	228.0	220.5	198.6	177.9	162.6	150.7
75°	116.6	126.1	137.1	150.7	165.4	172.0	165.4	150.3	136.0	124.7	116.2
77.5°	84.8	89.9	98.4	108.6	117.7	122.8	117.1	106.9	98.1	90.4	86.1
80°	64.6	68.2	74.1	82.2	88.4	93.1	89.4	81.1	74.1	68.9	67.1
82.5°	46.9	49.4	53.3	59.3	63.4	65.9	64.3	58.2	55.3	50.7	48.9
85°	23.1	24.6	27.1	28.9	32.6	33.0	33.4	30.8	28.3	27.1	25.6
87.5°	8.5	9.3	10.4	11.5	12.6	14.0	13.8	14.1	13.4	12.9	11.9
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





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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°	885.2	885.2	885.2	885.2	885.2	885.2	885.2
2.5°	933.1	933.7	936.3	938.4	939.0	941.9	942.2
5°	1015.1	1021.3	1033.4	1034.5	1036.3	1045.9	1038.6
7.5°	1111.2	1127.0	1137.6	1146.9	1150.3	1154.4	1153.6
10°	1172.8	1196.3	1208.0	1226.7	1227.5	1232.2	1229.3
12.5°	1234.7	1262.0	1283.4	1286.9	1302.5	1305.0	1309.1
15°	1322.4	1351.4	1381.1	1391.8	1413.3	1418.5	1426.5
17.5°	1404.9	1434.5	1455.3	1482.8	1491.7	1503.5	1495.5
20°	1450.0	1482.3	1508.7	1530.3	1539.5	1546.1	1545.4
22.5°	1477.3	1509.9	1531.3	1547.7	1556.2	1559.1	1558.9
25°	1494.4	1513.2	1519.8	1526.0	1516.5	1513.2	1514.6
27.5°	1446.9	1442.0	1424.8	1402.2	1378.8	1360.1	1350.0
30°	1381.5	1352.8	1326.8	1281.4	1257.8	1244.0	1231.4
32.5°	1288.7	1243.4	1193.4	1151.7	1124.9	1104.3	1101.2
35°	1129.9	1061.7	1000.4	949.4	923.0	900.7	895.5
37.5°	960.6	889.8	834.6	789.7	761.3	745.6	730.8
40°	848.2	787.4	733.1	694.9	673.4	661.9	652.8
42.5°	761.7	706.1	652.1	623.0	603.5	596.5	591.2
45°	642.2	590.4	553.0	531.0	519.6	507.9	502.4
47.5°	546.4	504.4	479.7	461.0	448.8	441.9	438.3
50°	492.1	457.7	435.6	421.4	410.4	404.8	401.9
52.5°	444.0	415.8	397.3	385.9	378.4	374.4	373.2
55°	382.5	360.9	349.1	339.2	333.8	330.1	328.6
57.5°	332.4	315.8	306.3	298.1	296.1	292.9	291.9
60°	299.6	286.8	278.7	273.2	271.4	267.7	268.4
62.5°	270.6	260.0	253.2	250.1	247.6	244.5	245.5
65°	228.8	221.1	217.4	214.5	211.6	209.8	211.2
67.5°	192.0	186.7	181.7	180.0	178.6	178.3	176.7
70°	168.0	163.5	159.2	158.1	158.1	156.6	156.2
72.5°	144.8	141.6	138.6	137.8	136.7	137.2	135.7
75°	111.9	109.2	108.2	107.1	106.7	106.7	105.7
77.5°	82.7	80.8	79.0	79.0	77.7	77.2	77.0
80°	62.7	62.0	60.5	60.5	59.8	60.1	59.4
82.5°	47.1	46.1	45.8	45.2	44.2	44.3	43.5
85°	25.3	24.2	23.8	22.7	22.0	22.7	22.0
87.5°	12.3	12.3	12.0	11.6	11.5	11.3	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)