

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: P332536-840

Luminaire Tested: **SA4XXDIP-C575D365U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332536-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

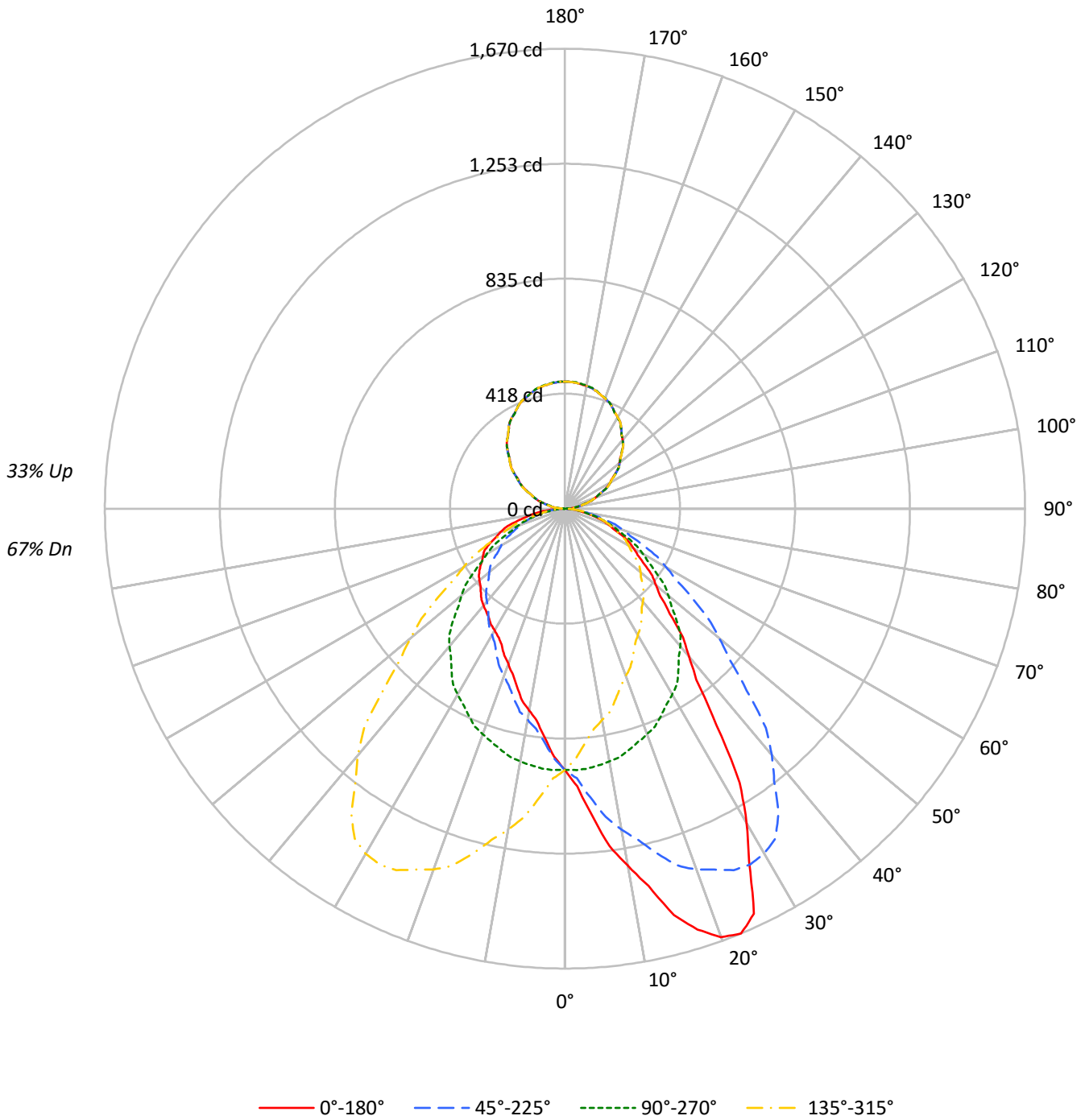
Lumens per Lamp: N/A
Luminaire Lumens: 3898.5 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 27.5
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	50	30	10	0	
RCR																						
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67				
1	102	98	94	90	96	92	89	86	82	79	77	73	71	69	64	63	61	57				
2	93	86	79	74	87	81	75	71	72	68	64	64	61	58	57	54	52	48				
3	85	76	68	62	80	72	65	60	64	59	54	57	53	49	51	47	45	41				
4	78	67	59	53	73	64	56	51	57	51	47	51	46	43	45	42	39	36				
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31				
6	66	54	46	40	62	51	44	39	46	40	36	42	37	33	37	33	30	28				
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	24				
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	31	27	24	22				
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20				
10	50	38	30	25	47	36	29	25	33	27	23	30	25	21	27	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7657	7657	7657	7657
5°	9018	7678	6776	7678
10°	10797	7643	6101	7643
15°	12774	7565	5602	7565
20°	14225	7487	5158	7487
25°	14455	7371	4851	7371
30°	12299	7260	4754	7260
35°	9456	7078	4755	7078
40°	7371	6866	4845	6866
45°	6146	6545	4925	6545
50°	5408	6154	5093	6154
55°	4954	5685	5298	5685
60°	4644	5265	5546	5265
65°	4323	4797	5748	4797
70°	3949	4331	5880	4331
75°	3531	3812	5808	3812
80°	2957	3124	5625	3124
85°	2177	2251	5391	2251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	2.4
10°-20°	284.8	7.3
20°-30°	451.7	11.6
30°-40°	502.6	12.9
40°-50°	457.5	11.7
50°-60°	373.9	9.6
60°-70°	266.9	6.8
70°-80°	147.0	3.8
80°-90°	41.5	1.1
90°-100°	30.4	0.8
100°-110°	90.2	2.3
110°-120°	153.0	3.9
120°-130°	201.8	5.2
130°-140°	226.6	5.8
140°-150°	222.7	5.7
150°-160°	187.3	4.8
160°-170°	124.6	3.2
170°-180°	43.6	1.1
0°-30°	828.9	21.3
0°-40°	1331.5	34.2
0°-60°	2162.9	55.5
0°-90°	2618.3	67.2
90°-120°	273.6	7.0
90°-150°	924.6	23.7
90°-180°	1280.0	32.8
0°-180°	3898.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	948	948	948	948	948	
5°	1113	947	836	947	1113	113
15°	1528	905	670	905	1528	432
25°	1623	828	545	828	1623	715
35°	960	718	482	718	960	609
45°	538	573	431	573	538	424
55°	352	404	376	404	352	318
65°	226	251	301	251	226	224
75°	113	122	186	122	113	120
85°	24	24	58	24	24	29
90°	11	1	11	1	11	6
95°	28	21	28	21	28	29
105°	87	83	87	83	87	92
115°	154	156	154	156	154	152
125°	225	227	225	227	225	201
135°	293	292	293	292	293	226
145°	356	355	356	355	356	222
155°	406	407	406	407	406	187
165°	442	443	442	443	442	124
175°	459	461	459	461	459	44
180°	461	461	461	461	461	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	1009.5	1009.2	1006.0	1005.4	1003.2	1000.4	999.8	994.7	984.6	980.0	978.7
5°	1112.8	1120.6	1110.3	1108.4	1107.2	1094.3	1087.6	1079.7	1061.7	1051.1	1042.8
7.5°	1236.0	1236.9	1232.4	1228.8	1218.8	1207.5	1190.5	1172.5	1150.9	1128.5	1111.7
10°	1317.1	1320.2	1315.1	1314.3	1294.2	1281.7	1256.6	1235.4	1210.9	1183.9	1159.1
12.5°	1402.6	1398.2	1395.5	1378.8	1375.0	1352.1	1322.9	1301.0	1263.4	1232.2	1199.3
15°	1528.4	1519.8	1514.3	1491.2	1479.8	1447.9	1416.8	1392.9	1343.8	1297.1	1261.6
17.5°	1602.4	1610.9	1598.2	1588.7	1559.2	1536.9	1505.2	1454.9	1416.4	1358.4	1313.7
20°	1655.8	1656.6	1649.5	1639.6	1616.5	1588.2	1553.6	1498.6	1452.6	1394.8	1333.5
22.5°	1670.2	1670.4	1667.4	1658.2	1640.6	1617.7	1582.9	1536.9	1481.3	1418.5	1357.2
25°	1622.8	1621.2	1624.8	1635.0	1628.3	1621.2	1601.1	1567.0	1515.1	1448.7	1382.7
27.5°	1446.4	1457.2	1477.2	1502.4	1526.6	1545.0	1550.2	1543.3	1511.1	1456.4	1387.4
30°	1319.4	1332.8	1347.7	1372.9	1421.6	1449.5	1480.2	1503.3	1490.4	1446.7	1382.3
32.5°	1179.8	1183.2	1205.3	1234.0	1278.6	1332.2	1380.8	1427.8	1443.5	1420.7	1366.9
35°	959.5	965.0	989.0	1017.2	1071.9	1137.5	1210.6	1275.8	1329.7	1351.3	1323.7
37.5°	783.0	798.8	815.7	846.1	894.2	953.3	1029.3	1113.6	1193.9	1247.6	1256.7
40°	699.4	709.2	721.4	744.6	785.5	843.6	908.8	1005.5	1090.8	1167.8	1193.0
42.5°	633.4	639.1	646.6	667.5	698.7	756.5	816.1	901.1	986.7	1078.8	1121.0
45°	538.3	544.2	556.7	569.0	592.5	632.6	688.0	757.9	843.9	932.8	1010.6
47.5°	469.6	473.4	480.9	493.9	513.9	540.4	585.4	643.8	723.6	809.8	892.7
50°	430.6	433.7	439.7	451.5	466.8	490.4	527.3	581.9	644.4	731.2	812.5
52.5°	399.8	401.1	405.5	413.4	425.7	445.5	475.7	520.9	579.1	656.4	737.4
55°	352.0	353.7	357.6	363.5	374.1	386.7	409.8	443.6	494.3	561.5	631.8
57.5°	312.8	313.9	317.2	319.4	328.2	338.4	356.2	380.3	418.8	475.7	538.6
60°	287.6	286.8	290.7	292.8	298.6	307.3	321.0	344.2	377.6	423.5	481.3
62.5°	263.1	262.0	265.3	267.9	271.2	278.6	289.9	308.0	335.2	376.8	426.7
65°	226.3	224.8	226.7	229.8	233.0	236.9	245.2	261.3	282.9	312.8	350.8
67.5°	189.3	191.1	191.4	192.9	194.7	200.1	205.7	217.1	232.4	256.3	288.5
70°	167.3	167.7	169.4	169.4	170.6	175.2	180.0	186.6	201.6	223.6	249.9
72.5°	145.4	147.0	146.4	147.6	148.6	151.7	155.1	161.5	174.2	190.6	212.8
75°	113.2	114.3	114.3	114.7	115.9	117.0	119.9	124.5	133.6	145.7	161.1
77.5°	82.5	82.7	83.2	84.6	84.6	86.5	88.6	92.3	96.8	105.1	114.5
80°	63.6	64.4	64.0	64.8	64.8	66.4	67.2	71.9	73.8	79.4	86.8
82.5°	46.7	47.5	47.4	48.5	49.1	49.4	50.5	52.4	54.3	59.3	62.3
85°	23.5	24.3	23.5	24.3	25.5	26.0	27.1	27.5	29.1	30.3	33.0
87.5°	9.1	10.0	9.9	10.2	10.8	11.1	11.3	10.9	12.0	12.2	13.4
90°	10.7	10.5	10.4	10.2	10.1	9.8	9.3	8.8	8.3	7.9	7.2
92.5°	15.9	15.8	15.7	15.6	15.5	15.2	14.9	14.7	14.4	14.1	13.7
95°	28.2	28.2	28.2	28.2	28.2	28.1	27.9	27.6	27.4	27.2	26.6
97.5°	44.1	44.1	44.1	44.1	44.1	44.0	43.7	43.4	43.2	42.9	42.2
100°	55.3	55.3	55.3	55.3	55.3	55.2	55.0	54.9	54.7	54.6	53.9
102.5°	67.9	67.8	67.8	67.7	67.7	67.5	67.3	67.1	66.9	66.6	65.9
105°	87.1	86.8	86.6	86.3	86.1	85.8	85.6	85.4	85.1	84.9	84.6
107.5°	105.7	105.8	105.8	105.8	105.8	105.7	105.5	105.3	105.0	104.8	104.8
110°	119.2	119.0	118.8	118.5	118.3	118.2	118.4	118.6	118.7	118.9	118.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.9	132.8	132.8	132.8	132.7	132.7	132.7	132.8	132.8	132.8	133.0
115°	154.2	154.2	154.3	154.4	154.5	154.5	154.6	154.7	154.8	154.9	155.0
117.5°	174.4	174.6	174.7	174.9	175.1	175.3	175.5	175.8	176.1	176.3	176.4
120°	189.9	189.7	189.6	189.3	189.2	189.3	189.8	190.2	190.6	191.0	191.2
122.5°	202.7	203.0	203.3	203.6	203.8	204.1	204.4	204.7	204.9	205.2	205.3
125°	224.8	225.0	225.1	225.3	225.4	225.6	225.8	225.9	226.1	226.2	226.3
127.5°	245.3	245.4	245.6	245.7	245.8	245.9	246.1	246.3	246.4	246.6	246.7
130°	258.7	259.0	259.3	259.6	259.9	260.2	260.3	260.5	260.7	260.8	260.8
132.5°	273.0	273.2	273.3	273.4	273.5	273.7	273.8	274.0	274.1	274.3	274.4
135°	292.7	292.9	293.1	293.4	293.6	293.8	294.0	294.1	294.3	294.4	294.4
137.5°	313.3	313.2	313.2	313.1	313.1	313.2	313.4	313.6	313.8	314.0	313.9
140°	325.8	325.9	326.0	326.1	326.1	326.2	326.3	326.4	326.5	326.5	326.5
142.5°	338.4	338.4	338.4	338.4	338.4	338.4	338.5	338.5	338.5	338.5	338.6
145°	355.5	355.7	355.9	356.2	356.4	356.6	356.6	356.7	356.8	356.9	356.8
147.5°	372.7	372.7	372.8	372.9	373.0	373.0	373.1	373.2	373.2	373.3	373.4
150°	383.2	383.3	383.4	383.5	383.5	383.6	383.6	383.6	383.6	383.6	383.6
152.5°	392.9	393.1	393.3	393.5	393.7	393.8	393.6	393.4	393.2	393.0	392.9
155°	406.5	406.8	407.1	407.4	407.7	407.7	407.4	407.1	406.8	406.5	406.6
157.5°	418.5	418.8	419.1	419.3	419.6	419.6	419.4	419.1	418.9	418.7	418.7
160°	425.4	425.8	426.2	426.6	427.0	427.1	426.8	426.6	426.4	426.1	426.2
162.5°	432.5	432.9	433.3	433.7	434.0	434.0	433.6	433.2	432.8	432.3	432.4
165°	441.8	442.1	442.4	442.7	443.0	442.9	442.5	442.0	441.5	441.1	441.2
167.5°	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5	449.0	448.5	448.5
170°	452.1	452.7	453.2	453.8	454.3	454.4	453.9	453.4	452.9	452.5	452.4
172.5°	455.2	455.9	456.4	457.0	457.5	457.5	457.0	456.5	455.9	455.3	455.3
175°	458.6	459.1	459.7	460.2	460.8	460.8	460.2	459.7	459.1	458.6	458.7
177.5°	460.3	460.8	461.3	461.8	462.3	462.3	461.9	461.4	461.0	460.6	460.6
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	979.0	974.6	971.5	969.0	962.0	958.0	954.8	950.4	945.3	940.0	933.4
5°	1034.6	1021.2	1011.4	996.4	982.3	970.5	958.4	947.4	933.9	919.5	908.8
7.5°	1093.0	1073.1	1047.6	1025.5	1000.7	979.1	959.8	940.0	919.4	899.4	881.1
10°	1130.0	1104.5	1076.2	1042.8	1011.4	983.5	957.6	932.4	908.1	883.6	862.8
12.5°	1169.9	1138.1	1096.3	1057.2	1022.1	984.7	953.4	922.6	893.2	867.7	843.3
15°	1223.6	1177.6	1129.2	1077.0	1030.7	987.0	944.2	905.2	872.3	838.5	815.0
17.5°	1256.5	1199.6	1144.4	1089.7	1033.6	978.6	932.4	887.6	846.2	812.6	782.9
20°	1278.2	1221.6	1152.9	1098.2	1031.4	974.8	921.4	871.5	828.3	792.5	761.8
22.5°	1297.1	1231.6	1162.9	1091.0	1024.5	964.4	905.9	855.8	811.6	774.0	744.6
25°	1307.3	1232.2	1157.5	1086.0	1010.6	939.5	886.5	827.5	780.3	740.6	709.2
27.5°	1308.4	1228.1	1143.7	1064.2	986.3	920.1	853.1	800.4	751.5	709.5	679.3
30°	1304.8	1221.2	1130.4	1044.4	966.2	894.2	836.2	778.8	728.8	687.2	655.8
32.5°	1293.8	1206.7	1113.5	1022.4	941.4	871.0	811.0	756.5	707.8	666.8	633.8
35°	1262.0	1176.0	1076.6	981.9	899.0	827.9	773.7	718.2	669.5	630.7	598.8
37.5°	1212.3	1134.5	1033.5	935.4	854.0	782.6	728.8	678.8	634.9	595.3	562.7
40°	1168.9	1100.6	999.2	903.7	815.7	747.7	697.4	651.5	607.8	570.5	539.5
42.5°	1118.9	1059.3	965.8	864.7	779.8	711.6	662.6	621.3	580.2	545.7	514.6
45°	1029.9	990.6	902.5	809.0	720.6	656.2	609.5	573.3	538.7	504.9	479.0
47.5°	927.4	907.9	833.7	745.0	661.1	597.5	557.0	523.6	493.3	464.6	441.8
50°	858.5	849.1	785.1	699.4	619.2	559.6	518.7	490.0	464.0	438.9	417.3
52.5°	790.6	790.3	732.6	654.1	580.0	522.4	481.9	455.0	432.6	412.1	392.7
55°	686.8	697.8	652.7	582.7	516.3	464.4	427.9	403.9	388.2	371.3	356.8
57.5°	591.5	609.8	572.5	510.9	455.4	407.7	375.9	357.9	341.1	330.9	320.3
60°	529.3	546.5	517.5	465.6	413.3	372.4	342.2	326.1	311.5	304.5	297.0
62.5°	473.9	489.4	467.8	419.7	374.4	335.1	309.5	294.1	284.3	276.5	271.6
65°	394.9	407.9	389.4	354.5	315.5	284.1	263.3	251.1	241.7	238.5	233.0
67.5°	319.2	331.0	321.0	291.3	260.1	236.3	220.0	208.3	202.8	200.0	196.1
70°	274.3	286.1	275.4	249.5	225.5	205.5	190.2	183.5	177.6	176.4	171.0
72.5°	236.2	244.3	233.6	213.4	192.9	175.9	164.1	157.1	154.0	151.9	149.0
75°	177.2	184.3	177.2	161.5	146.9	135.1	124.9	122.2	118.7	117.4	115.5
77.5°	125.4	131.6	126.1	116.3	105.4	96.3	90.9	87.4	86.5	84.5	85.4
80°	95.8	99.8	94.7	88.1	79.4	73.1	69.2	67.2	64.8	64.0	65.6
82.5°	68.9	70.6	68.0	63.5	57.1	52.9	50.3	48.0	47.6	47.7	47.7
85°	35.7	35.3	34.9	31.0	29.1	26.4	24.7	24.3	23.9	24.7	25.5
87.5°	13.2	13.4	13.0	11.6	10.5	9.4	8.9	8.4	8.9	9.4	9.9
90°	6.6	6.0	5.4	4.5	3.7	2.8	1.9	1.1	1.9	2.8	3.7
92.5°	13.2	12.8	12.3	11.6	10.6	9.6	8.7	7.7	8.7	9.6	10.6
95°	26.1	25.4	24.9	24.2	23.5	22.8	22.1	21.4	22.1	22.8	23.5
97.5°	41.6	40.9	40.3	39.7	39.1	38.6	38.0	37.4	38.0	38.6	39.1
100°	53.2	52.4	51.7	51.2	50.9	50.6	50.3	50.0	50.3	50.6	50.9
102.5°	65.3	64.6	64.0	63.6	63.5	63.3	63.2	63.1	63.2	63.3	63.5
105°	84.3	84.0	83.6	83.4	83.4	83.3	83.2	83.1	83.2	83.3	83.4
107.5°	104.7	104.7	104.6	104.6	104.5	104.4	104.3	104.2	104.3	104.4	104.5
110°	119.0	119.1	119.2	119.1	119.0	118.8	118.7	118.5	118.7	118.8	119.0



TEST NUMBER: P332536-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.1	133.2	133.4	133.4	133.4	133.4	133.3	133.3	133.3	133.4	133.4
115°	155.2	155.3	155.5	155.6	155.6	155.6	155.6	155.6	155.6	155.6	155.6
117.5°	176.6	176.7	176.8	176.8	176.7	176.7	176.6	176.5	176.6	176.7	176.7
120°	191.4	191.7	191.9	191.9	191.5	191.2	190.9	190.6	190.9	191.2	191.5
122.5°	205.4	205.5	205.6	205.6	205.5	205.4	205.2	205.1	205.2	205.4	205.5
125°	226.4	226.5	226.5	226.6	226.6	226.6	226.6	226.6	226.6	226.6	226.6
127.5°	246.8	247.0	247.1	247.0	246.8	246.6	246.3	246.1	246.3	246.6	246.8
130°	260.8	260.8	260.8	260.7	260.5	260.2	260.0	259.8	260.0	260.2	260.5
132.5°	274.4	274.5	274.5	274.5	274.3	274.1	274.0	273.8	274.0	274.1	274.3
135°	294.4	294.4	294.4	294.2	293.7	293.2	292.8	292.3	292.8	293.2	293.7
137.5°	313.7	313.6	313.5	313.3	313.1	312.9	312.7	312.4	312.7	312.9	313.1
140°	326.5	326.5	326.5	326.5	326.3	326.1	326.0	325.8	326.0	326.1	326.3
142.5°	338.6	338.7	338.8	338.7	338.5	338.4	338.2	338.1	338.2	338.4	338.5
145°	356.7	356.6	356.6	356.4	356.0	355.7	355.4	355.1	355.4	355.7	356.0
147.5°	373.4	373.5	373.5	373.4	373.0	372.6	372.3	371.9	372.3	372.6	373.0
150°	383.6	383.6	383.6	383.4	383.1	382.8	382.5	382.2	382.5	382.8	383.1
152.5°	392.9	392.8	392.7	392.6	392.4	392.2	392.1	391.9	392.1	392.2	392.4
155°	406.6	406.7	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8
157.5°	418.7	418.7	418.7	418.8	419.0	419.1	419.2	419.4	419.2	419.1	419.0
160°	426.3	426.4	426.4	426.5	426.6	426.7	426.7	426.8	426.7	426.7	426.6
162.5°	432.5	432.6	432.7	432.8	433.0	433.2	433.4	433.6	433.4	433.2	433.0
165°	441.4	441.5	441.7	441.9	442.1	442.4	442.6	442.8	442.6	442.4	442.1
167.5°	448.5	448.5	448.4	448.6	448.9	449.3	449.6	449.9	449.6	449.3	448.9
170°	452.3	452.2	452.2	452.3	452.7	453.1	453.5	453.9	453.5	453.1	452.7
172.5°	455.3	455.2	455.2	455.4	455.8	456.1	456.5	456.8	456.5	456.1	455.8
175°	458.7	458.8	458.9	459.1	459.5	459.9	460.3	460.7	460.3	459.9	459.5
177.5°	460.6	460.6	460.6	460.7	461.0	461.3	461.7	462.0	461.7	461.3	461.0
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	930.3	927.5	923.3	917.7	913.0	908.0	906.7	904.8	908.6	905.4	904.5
5°	899.8	891.5	880.9	868.8	861.7	851.4	849.5	845.6	841.6	841.2	837.3
7.5°	867.5	855.4	841.5	829.1	817.6	806.5	799.1	797.6	791.7	788.4	784.5
10°	846.8	831.8	815.7	804.0	790.5	778.8	770.5	765.8	761.8	757.5	753.7
12.5°	822.2	806.4	793.0	780.3	764.5	755.5	741.9	733.8	733.0	733.1	722.9
15°	793.7	778.0	757.5	739.5	730.8	713.6	706.1	696.6	690.7	684.9	680.1
17.5°	761.1	741.5	725.6	704.8	688.3	674.6	664.7	659.0	650.3	641.9	635.8
20°	740.6	719.8	703.0	681.0	662.9	646.0	637.7	629.9	623.2	616.1	609.5
22.5°	719.9	698.1	677.5	656.1	639.2	621.5	613.5	602.8	596.4	592.5	585.8
25°	687.2	663.7	640.1	619.7	602.4	586.6	576.0	567.7	560.7	557.5	553.2
27.5°	651.7	628.2	605.5	582.3	562.7	551.3	542.8	536.5	532.5	528.4	526.3
30°	629.0	604.7	580.4	558.8	540.7	529.3	521.4	517.1	513.9	512.0	510.0
32.5°	606.1	582.1	556.4	536.7	520.6	510.4	504.4	500.1	498.6	497.9	497.2
35°	569.4	545.0	521.4	503.7	488.4	484.4	479.4	477.0	476.3	479.0	480.2
37.5°	533.7	511.1	489.4	472.3	462.2	456.5	454.7	454.8	457.7	460.1	462.9
40°	510.8	488.8	468.4	453.4	444.0	440.5	439.7	441.6	444.7	447.6	450.7
42.5°	488.5	466.8	448.3	434.2	427.7	424.4	425.0	426.9	431.3	434.6	439.4
45°	453.8	435.8	417.7	406.3	400.8	401.5	401.5	405.1	409.4	414.5	419.6
47.5°	421.2	402.9	388.1	378.5	375.7	375.0	377.2	381.8	388.1	394.4	401.5
50°	399.2	381.9	368.9	360.3	357.2	358.3	361.5	365.8	373.2	381.1	388.6
52.5°	376.9	361.1	349.1	341.1	338.9	341.0	344.2	351.0	357.6	366.1	375.1
55°	342.2	328.9	319.4	313.6	312.8	314.0	317.5	325.0	334.4	345.0	353.7
57.5°	307.7	296.6	287.9	283.9	284.3	285.4	291.1	300.0	310.1	321.4	332.5
60°	284.5	274.3	267.2	264.1	264.5	266.8	273.9	282.2	294.7	305.7	317.5
62.5°	262.5	253.5	246.7	243.9	243.4	248.5	255.3	263.9	276.5	288.7	301.4
65°	227.1	220.0	214.5	213.0	214.1	218.0	226.7	238.1	248.7	261.7	275.1
67.5°	192.5	186.7	183.0	183.7	185.1	190.9	198.1	207.9	219.9	233.4	246.6
70°	170.6	165.0	161.9	162.3	164.6	171.7	178.0	187.8	200.8	214.5	225.5
72.5°	147.9	144.3	141.5	143.1	145.4	150.4	158.1	168.0	179.5	192.2	203.9
75°	113.5	113.5	112.0	113.2	116.7	121.4	127.3	137.5	149.0	159.2	168.5
77.5°	84.2	83.4	84.4	85.8	87.9	93.4	100.2	107.6	116.0	126.3	134.1
80°	64.4	64.8	66.8	69.2	70.0	74.2	81.3	88.1	94.7	103.3	110.8
82.5°	48.4	48.8	49.8	52.8	53.6	58.3	62.8	69.5	75.5	81.3	87.6
85°	26.4	26.4	28.3	29.5	31.4	34.5	37.4	41.3	46.8	50.7	56.6
87.5°	11.0	11.1	12.5	13.2	14.3	16.1	16.8	20.3	21.6	23.3	26.3
90°	4.5	5.4	6.0	6.6	7.2	7.9	8.3	8.8	9.3	9.8	10.1
92.5°	11.6	12.3	12.8	13.2	13.7	14.1	14.4	14.7	14.9	15.2	15.5
95°	24.2	24.9	25.4	26.1	26.6	27.2	27.4	27.6	27.9	28.1	28.2
97.5°	39.7	40.3	40.9	41.6	42.2	42.9	43.2	43.4	43.7	44.0	44.1
100°	51.2	51.7	52.4	53.2	53.9	54.6	54.7	54.9	55.0	55.2	55.3
102.5°	63.6	64.0	64.6	65.3	65.9	66.6	66.9	67.1	67.3	67.5	67.7
105°	83.4	83.6	84.0	84.3	84.6	84.9	85.1	85.4	85.6	85.8	86.1
107.5°	104.6	104.6	104.7	104.7	104.8	104.8	105.0	105.3	105.5	105.7	105.8
110°	119.1	119.2	119.1	119.0	118.9	118.9	118.7	118.6	118.4	118.2	118.3



TEST NUMBER: P332536-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	133.4	133.4	133.2	133.1	133.0	132.8	132.8	132.8	132.7	132.7	132.7
115°	155.6	155.5	155.3	155.2	155.0	154.9	154.8	154.7	154.6	154.5	154.5
117.5°	176.8	176.8	176.7	176.6	176.4	176.3	176.1	175.8	175.5	175.3	175.1
120°	191.9	191.9	191.7	191.4	191.2	191.0	190.6	190.2	189.8	189.3	189.2
122.5°	205.6	205.6	205.5	205.4	205.3	205.2	204.9	204.7	204.4	204.1	203.8
125°	226.6	226.5	226.5	226.4	226.3	226.2	226.1	225.9	225.8	225.6	225.4
127.5°	247.0	247.1	247.0	246.8	246.7	246.6	246.4	246.3	246.1	245.9	245.8
130°	260.7	260.8	260.8	260.8	260.8	260.8	260.7	260.5	260.3	260.2	259.9
132.5°	274.5	274.5	274.5	274.4	274.4	274.3	274.1	274.0	273.8	273.7	273.5
135°	294.2	294.4	294.4	294.4	294.4	294.4	294.3	294.1	294.0	293.8	293.6
137.5°	313.3	313.5	313.6	313.7	313.9	314.0	313.8	313.6	313.4	313.2	313.1
140°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.4	326.3	326.2	326.1
142.5°	338.7	338.8	338.7	338.6	338.6	338.5	338.5	338.5	338.5	338.4	338.4
145°	356.4	356.6	356.6	356.7	356.8	356.9	356.8	356.7	356.6	356.6	356.4
147.5°	373.4	373.5	373.5	373.4	373.4	373.3	373.2	373.2	373.1	373.0	373.0
150°	383.4	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.6	383.5
152.5°	392.6	392.7	392.8	392.9	392.9	393.0	393.2	393.4	393.6	393.8	393.7
155°	406.8	406.8	406.7	406.6	406.6	406.5	406.8	407.1	407.4	407.7	407.7
157.5°	418.8	418.7	418.7	418.7	418.7	418.7	418.9	419.1	419.4	419.6	419.6
160°	426.5	426.4	426.4	426.3	426.2	426.1	426.4	426.6	426.8	427.1	427.0
162.5°	432.8	432.7	432.6	432.5	432.4	432.3	432.8	433.2	433.6	434.0	434.0
165°	441.9	441.7	441.5	441.4	441.2	441.1	441.5	442.0	442.5	442.9	443.0
167.5°	448.6	448.4	448.5	448.5	448.5	448.5	449.0	449.5	449.9	450.4	450.4
170°	452.3	452.2	452.2	452.3	452.4	452.5	452.9	453.4	453.9	454.4	454.3
172.5°	455.4	455.2	455.2	455.3	455.3	455.3	455.9	456.5	457.0	457.5	457.5
175°	459.1	458.9	458.8	458.7	458.7	458.6	459.1	459.7	460.2	460.8	460.8
177.5°	460.7	460.6	460.6	460.6	460.6	460.6	461.0	461.4	461.9	462.3	462.3
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	903.8	903.2	901.0	900.7	901.0	903.2	903.8	904.5	905.4	908.6	904.8
5°	835.0	833.0	831.8	836.2	831.8	833.0	835.0	837.3	841.2	841.6	845.6
7.5°	783.0	781.4	778.0	776.9	778.0	781.4	783.0	784.5	788.4	791.7	797.6
10°	749.7	748.1	745.0	744.2	745.0	748.1	749.7	753.7	757.5	761.8	765.8
12.5°	717.6	714.5	713.9	714.7	713.9	714.5	717.6	722.9	733.1	733.0	733.8
15°	675.0	673.5	669.1	670.3	669.1	673.5	675.0	680.1	684.9	690.7	696.6
17.5°	633.1	631.2	625.9	630.6	625.9	631.2	633.1	635.8	641.9	650.3	659.0
20°	606.6	603.5	600.8	600.4	600.8	603.5	606.6	609.5	616.1	623.2	629.9
22.5°	581.5	578.7	578.5	575.8	578.5	578.7	581.5	585.8	592.5	596.4	602.8
25°	550.1	547.3	546.5	544.6	546.5	547.3	550.1	553.2	557.5	560.7	567.7
27.5°	525.9	524.6	523.2	523.8	523.2	524.6	525.9	526.3	528.4	532.5	536.5
30°	511.2	510.8	510.0	510.0	510.0	510.8	511.2	510.0	512.0	513.9	517.1
32.5°	499.0	498.9	499.3	499.3	499.3	498.9	499.0	497.2	497.9	498.6	500.1
35°	481.7	482.9	483.7	482.5	483.7	482.9	481.7	480.2	479.0	476.3	477.0
37.5°	466.2	467.4	468.5	469.8	468.5	467.4	466.2	462.9	460.1	457.7	454.8
40°	454.2	457.0	457.8	459.7	457.8	457.0	454.2	450.7	447.6	444.7	441.6
42.5°	442.9	446.0	448.0	448.4	448.0	446.0	442.9	439.4	434.6	431.3	426.9
45°	425.6	428.7	431.4	431.4	431.4	428.7	425.6	419.6	414.5	409.4	405.1
47.5°	407.6	412.1	414.9	415.6	414.9	412.1	407.6	401.5	394.4	388.1	381.8
50°	395.3	400.8	403.5	405.5	403.5	400.8	395.3	388.6	381.1	373.2	365.8
52.5°	383.3	388.8	392.5	393.5	392.5	388.8	383.3	375.1	366.1	357.6	351.0
55°	362.6	370.5	374.9	376.4	374.9	370.5	362.6	353.7	345.0	334.4	325.0
57.5°	343.2	350.4	355.5	356.6	355.5	350.4	343.2	332.5	321.4	310.1	300.0
60°	328.1	336.0	342.2	343.5	342.2	336.0	328.1	317.5	305.7	294.7	282.2
62.5°	312.7	320.8	326.5	329.6	326.5	320.8	312.7	301.4	288.7	276.5	263.9
65°	286.1	294.3	299.8	300.9	299.8	294.3	286.1	275.1	261.7	248.7	238.1
67.5°	257.0	265.2	268.8	271.1	268.8	265.2	257.0	246.6	233.4	219.9	207.9
70°	236.5	243.2	247.1	249.1	247.1	243.2	236.5	225.5	214.5	200.8	187.8
72.5°	213.3	220.3	224.8	225.2	224.8	220.3	213.3	203.9	192.2	179.5	168.0
75°	177.6	183.9	186.2	186.2	186.2	183.9	177.6	168.5	159.2	149.0	137.5
77.5°	140.6	143.8	146.8	147.4	146.8	143.8	140.6	134.1	126.3	116.0	107.6
80°	116.7	118.7	121.0	121.0	121.0	118.7	116.7	110.8	103.3	94.7	88.1
82.5°	92.2	93.8	96.1	95.8	96.1	93.8	92.2	87.6	81.3	75.5	69.5
85°	55.7	59.4	59.0	58.2	59.0	59.4	55.7	56.6	50.7	46.8	41.3
87.5°	27.2	27.6	28.5	29.2	28.5	27.6	27.2	26.3	23.3	21.6	20.3
90°	10.2	10.4	10.5	10.7	10.5	10.4	10.2	10.1	9.8	9.3	8.8
92.5°	15.6	15.7	15.8	15.9	15.8	15.7	15.6	15.5	15.2	14.9	14.7
95°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.1	27.9	27.6
97.5°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.0	43.7	43.4
100°	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.2	55.0	54.9
102.5°	67.7	67.8	67.8	67.9	67.8	67.8	67.7	67.7	67.5	67.3	67.1
105°	86.3	86.6	86.8	87.1	86.8	86.6	86.3	86.1	85.8	85.6	85.4
107.5°	105.8	105.8	105.8	105.7	105.8	105.8	105.8	105.8	105.7	105.5	105.3
110°	118.5	118.8	119.0	119.2	119.0	118.8	118.5	118.3	118.2	118.4	118.6



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	132.8	132.8	132.8	132.9	132.8	132.8	132.8	132.7	132.7	132.7	132.8
115°	154.4	154.3	154.2	154.2	154.2	154.3	154.4	154.5	154.5	154.6	154.7
117.5°	174.9	174.7	174.6	174.4	174.6	174.7	174.9	175.1	175.3	175.5	175.8
120°	189.3	189.6	189.7	189.9	189.7	189.6	189.3	189.2	189.3	189.8	190.2
122.5°	203.6	203.3	203.0	202.7	203.0	203.3	203.6	203.8	204.1	204.4	204.7
125°	225.3	225.1	225.0	224.8	225.0	225.1	225.3	225.4	225.6	225.8	225.9
127.5°	245.7	245.6	245.4	245.3	245.4	245.6	245.7	245.8	245.9	246.1	246.3
130°	259.6	259.3	259.0	258.7	259.0	259.3	259.6	259.9	260.2	260.3	260.5
132.5°	273.4	273.3	273.2	273.0	273.2	273.3	273.4	273.5	273.7	273.8	274.0
135°	293.4	293.1	292.9	292.7	292.9	293.1	293.4	293.6	293.8	294.0	294.1
137.5°	313.1	313.2	313.2	313.3	313.2	313.2	313.1	313.1	313.2	313.4	313.6
140°	326.1	326.0	325.9	325.8	325.9	326.0	326.1	326.1	326.2	326.3	326.4
142.5°	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.4	338.5	338.5
145°	356.2	355.9	355.7	355.5	355.7	355.9	356.2	356.4	356.6	356.6	356.7
147.5°	372.9	372.8	372.7	372.7	372.7	372.8	372.9	373.0	373.0	373.1	373.2
150°	383.5	383.4	383.3	383.2	383.3	383.4	383.5	383.5	383.6	383.6	383.6
152.5°	393.5	393.3	393.1	392.9	393.1	393.3	393.5	393.7	393.8	393.6	393.4
155°	407.4	407.1	406.8	406.5	406.8	407.1	407.4	407.7	407.7	407.4	407.1
157.5°	419.3	419.1	418.8	418.5	418.8	419.1	419.3	419.6	419.6	419.4	419.1
160°	426.6	426.2	425.8	425.4	425.8	426.2	426.6	427.0	427.1	426.8	426.6
162.5°	433.7	433.3	432.9	432.5	432.9	433.3	433.7	434.0	434.0	433.6	433.2
165°	442.7	442.4	442.1	441.8	442.1	442.4	442.7	443.0	442.9	442.5	442.0
167.5°	449.9	449.4	448.9	448.4	448.9	449.4	449.9	450.4	450.4	449.9	449.5
170°	453.8	453.2	452.7	452.1	452.7	453.2	453.8	454.3	454.4	453.9	453.4
172.5°	457.0	456.4	455.9	455.2	455.9	456.4	457.0	457.5	457.5	457.0	456.5
175°	460.2	459.7	459.1	458.6	459.1	459.7	460.2	460.8	460.8	460.2	459.7
177.5°	461.8	461.3	460.8	460.3	460.8	461.3	461.8	462.3	462.3	461.9	461.4
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	906.7	908.0	913.0	917.7	923.3	927.5	930.3	933.4	940.0	945.3	950.4
5°	849.5	851.4	861.7	868.8	880.9	891.5	899.8	908.8	919.5	933.9	947.4
7.5°	799.1	806.5	817.6	829.1	841.5	855.4	867.5	881.1	899.4	919.4	940.0
10°	770.5	778.8	790.5	804.0	815.7	831.8	846.8	862.8	883.6	908.1	932.4
12.5°	741.9	755.5	764.5	780.3	793.0	806.4	822.2	843.3	867.7	893.2	922.6
15°	706.1	713.6	730.8	739.5	757.5	778.0	793.7	815.0	838.5	872.3	905.2
17.5°	664.7	674.6	688.3	704.8	725.6	741.5	761.1	782.9	812.6	846.2	887.6
20°	637.7	646.0	662.9	681.0	703.0	719.8	740.6	761.8	792.5	828.3	871.5
22.5°	613.5	621.5	639.2	656.1	677.5	698.1	719.9	744.6	774.0	811.6	855.8
25°	576.0	586.6	602.4	619.7	640.1	663.7	687.2	709.2	740.6	780.3	827.5
27.5°	542.8	551.3	562.7	582.3	605.5	628.2	651.7	679.3	709.5	751.5	800.4
30°	521.4	529.3	540.7	558.8	580.4	604.7	629.0	655.8	687.2	728.8	778.8
32.5°	504.4	510.4	520.6	536.7	556.4	582.1	606.1	633.8	666.8	707.8	756.5
35°	479.4	484.4	488.4	503.7	521.4	545.0	569.4	598.8	630.7	669.5	718.2
37.5°	454.7	456.5	462.2	472.3	489.4	511.1	533.7	562.7	595.3	634.9	678.8
40°	439.7	440.5	444.0	453.4	468.4	488.8	510.8	539.5	570.5	607.8	651.5
42.5°	425.0	424.4	427.7	434.2	448.3	466.8	488.5	514.6	545.7	580.2	621.3
45°	401.5	401.5	400.8	406.3	417.7	435.8	453.8	479.0	504.9	538.7	573.3
47.5°	377.2	375.0	375.7	378.5	388.1	402.9	421.2	441.8	464.6	493.3	523.6
50°	361.5	358.3	357.2	360.3	368.9	381.9	399.2	417.3	438.9	464.0	490.0
52.5°	344.2	341.0	338.9	341.1	349.1	361.1	376.9	392.7	412.1	432.6	455.0
55°	317.5	314.0	312.8	313.6	319.4	328.9	342.2	356.8	371.3	388.2	403.9
57.5°	291.1	285.4	284.3	283.9	287.9	296.6	307.7	320.3	330.9	341.1	357.9
60°	273.9	266.8	264.5	264.1	267.2	274.3	284.5	297.0	304.5	311.5	326.1
62.5°	255.3	248.5	243.4	243.9	246.7	253.5	262.5	271.6	276.5	284.3	294.1
65°	226.7	218.0	214.1	213.0	214.5	220.0	227.1	233.0	238.5	241.7	251.1
67.5°	198.1	190.9	185.1	183.7	183.0	186.7	192.5	196.1	200.0	202.8	208.3
70°	178.0	171.7	164.6	162.3	161.9	165.0	170.6	171.0	176.4	177.6	183.5
72.5°	158.1	150.4	145.4	143.1	141.5	144.3	147.9	149.0	151.9	154.0	157.1
75°	127.3	121.4	116.7	113.2	112.0	113.5	113.5	115.5	117.4	118.7	122.2
77.5°	100.2	93.4	87.9	85.8	84.4	83.4	84.2	85.4	84.5	86.5	87.4
80°	81.3	74.2	70.0	69.2	66.8	64.8	64.4	65.6	64.0	64.8	67.2
82.5°	62.8	58.3	53.6	52.8	49.8	48.8	48.4	47.7	47.7	47.6	48.0
85°	37.4	34.5	31.4	29.5	28.3	26.4	26.4	25.5	24.7	23.9	24.3
87.5°	16.8	16.1	14.3	13.2	12.5	11.1	11.0	9.9	9.4	8.9	8.4
90°	8.3	7.9	7.2	6.6	6.0	5.4	4.5	3.7	2.8	1.9	1.1
92.5°	14.4	14.1	13.7	13.2	12.8	12.3	11.6	10.6	9.6	8.7	7.7
95°	27.4	27.2	26.6	26.1	25.4	24.9	24.2	23.5	22.8	22.1	21.4
97.5°	43.2	42.9	42.2	41.6	40.9	40.3	39.7	39.1	38.6	38.0	37.4
100°	54.7	54.6	53.9	53.2	52.4	51.7	51.2	50.9	50.6	50.3	50.0
102.5°	66.9	66.6	65.9	65.3	64.6	64.0	63.6	63.5	63.3	63.2	63.1
105°	85.1	84.9	84.6	84.3	84.0	83.6	83.4	83.4	83.3	83.2	83.1
107.5°	105.0	104.8	104.8	104.7	104.7	104.6	104.6	104.5	104.4	104.3	104.2
110°	118.7	118.9	118.9	119.0	119.1	119.2	119.1	119.0	118.8	118.7	118.5



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	132.8	132.8	133.0	133.1	133.2	133.4	133.4	133.4	133.4	133.3	133.3
115°	154.8	154.9	155.0	155.2	155.3	155.5	155.6	155.6	155.6	155.6	155.6
117.5°	176.1	176.3	176.4	176.6	176.7	176.8	176.8	176.7	176.7	176.6	176.5
120°	190.6	191.0	191.2	191.4	191.7	191.9	191.9	191.5	191.2	190.9	190.6
122.5°	204.9	205.2	205.3	205.4	205.5	205.6	205.6	205.5	205.4	205.2	205.1
125°	226.1	226.2	226.3	226.4	226.5	226.5	226.6	226.6	226.6	226.6	226.6
127.5°	246.4	246.6	246.7	246.8	247.0	247.1	247.0	246.8	246.6	246.3	246.1
130°	260.7	260.8	260.8	260.8	260.8	260.8	260.7	260.5	260.2	260.0	259.8
132.5°	274.1	274.3	274.4	274.4	274.5	274.5	274.5	274.3	274.1	274.0	273.8
135°	294.3	294.4	294.4	294.4	294.4	294.4	294.2	293.7	293.2	292.8	292.3
137.5°	313.8	314.0	313.9	313.7	313.6	313.5	313.3	313.1	312.9	312.7	312.4
140°	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.3	326.1	326.0	325.8
142.5°	338.5	338.5	338.6	338.6	338.7	338.8	338.7	338.5	338.4	338.2	338.1
145°	356.8	356.9	356.8	356.7	356.6	356.6	356.4	356.0	355.7	355.4	355.1
147.5°	373.2	373.3	373.4	373.4	373.5	373.5	373.4	373.0	372.6	372.3	371.9
150°	383.6	383.6	383.6	383.6	383.6	383.6	383.4	383.1	382.8	382.5	382.2
152.5°	393.2	393.0	392.9	392.9	392.8	392.7	392.6	392.4	392.2	392.1	391.9
155°	406.8	406.5	406.6	406.6	406.7	406.8	406.8	406.8	406.8	406.8	406.8
157.5°	418.9	418.7	418.7	418.7	418.7	418.7	418.8	419.0	419.1	419.2	419.4
160°	426.4	426.1	426.2	426.3	426.4	426.4	426.5	426.6	426.7	426.7	426.8
162.5°	432.8	432.3	432.4	432.5	432.6	432.7	432.8	433.0	433.2	433.4	433.6
165°	441.5	441.1	441.2	441.4	441.5	441.7	441.9	442.1	442.4	442.6	442.8
167.5°	449.0	448.5	448.5	448.5	448.5	448.4	448.6	448.9	449.3	449.6	449.9
170°	452.9	452.5	452.4	452.3	452.2	452.2	452.3	452.7	453.1	453.5	453.9
172.5°	455.9	455.3	455.3	455.3	455.2	455.2	455.4	455.8	456.1	456.5	456.8
175°	459.1	458.6	458.7	458.7	458.8	458.9	459.1	459.5	459.9	460.3	460.7
177.5°	461.0	460.6	460.6	460.6	460.6	460.6	460.7	461.0	461.3	461.7	462.0
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4

TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	954.8	958.0	962.0	969.0	971.5	974.6	979.0	978.7	980.0	984.6	994.7
5°	958.4	970.5	982.3	996.4	1011.4	1021.2	1034.6	1042.8	1051.1	1061.7	1079.7
7.5°	959.8	979.1	1000.7	1025.5	1047.6	1073.1	1093.0	1111.7	1128.5	1150.9	1172.5
10°	957.6	983.5	1011.4	1042.8	1076.2	1104.5	1130.0	1159.1	1183.9	1210.9	1235.4
12.5°	953.4	984.7	1022.1	1057.2	1096.3	1138.1	1169.9	1199.3	1232.2	1263.4	1301.0
15°	944.2	987.0	1030.7	1077.0	1129.2	1177.6	1223.6	1261.6	1297.1	1343.8	1392.9
17.5°	932.4	978.6	1033.6	1089.7	1144.4	1199.6	1256.5	1313.7	1358.4	1416.4	1454.9
20°	921.4	974.8	1031.4	1098.2	1152.9	1221.6	1278.2	1333.5	1394.8	1452.6	1498.6
22.5°	905.9	964.4	1024.5	1091.0	1162.9	1231.6	1297.1	1357.2	1418.5	1481.3	1536.9
25°	886.5	939.5	1010.6	1086.0	1157.5	1232.2	1307.3	1382.7	1448.7	1515.1	1567.0
27.5°	853.1	920.1	986.3	1064.2	1143.7	1228.1	1308.4	1387.4	1456.4	1511.1	1543.3
30°	836.2	894.2	966.2	1044.4	1130.4	1221.2	1304.8	1382.3	1446.7	1490.4	1503.3
32.5°	811.0	871.0	941.4	1022.4	1113.5	1206.7	1293.8	1366.9	1420.7	1443.5	1427.8
35°	773.7	827.9	899.0	981.9	1076.6	1176.0	1262.0	1323.7	1351.3	1329.7	1275.8
37.5°	728.8	782.6	854.0	935.4	1033.5	1134.5	1212.3	1256.7	1247.6	1193.9	1113.6
40°	697.4	747.7	815.7	903.7	999.2	1100.6	1168.9	1193.0	1167.8	1090.8	1005.5
42.5°	662.6	711.6	779.8	864.7	965.8	1059.3	1118.9	1121.0	1078.8	986.7	901.1
45°	609.5	656.2	720.6	809.0	902.5	990.6	1029.9	1010.6	932.8	843.9	757.9
47.5°	557.0	597.5	661.1	745.0	833.7	907.9	927.4	892.7	809.8	723.6	643.8
50°	518.7	559.6	619.2	699.4	785.1	849.1	858.5	812.5	731.2	644.4	581.9
52.5°	481.9	522.4	580.0	654.1	732.6	790.3	790.6	737.4	656.4	579.1	520.9
55°	427.9	464.4	516.3	582.7	652.7	697.8	686.8	631.8	561.5	494.3	443.6
57.5°	375.9	407.7	455.4	510.9	572.5	609.8	591.5	538.6	475.7	418.8	380.3
60°	342.2	372.4	413.3	465.6	517.5	546.5	529.3	481.3	423.5	377.6	344.2
62.5°	309.5	335.1	374.4	419.7	467.8	489.4	473.9	426.7	376.8	335.2	308.0
65°	263.3	284.1	315.5	354.5	389.4	407.9	394.9	350.8	312.8	282.9	261.3
67.5°	220.0	236.3	260.1	291.3	321.0	331.0	319.2	288.5	256.3	232.4	217.1
70°	190.2	205.5	225.5	249.5	275.4	286.1	274.3	249.9	223.6	201.6	186.6
72.5°	164.1	175.9	192.9	213.4	233.6	244.3	236.2	212.8	190.6	174.2	161.5
75°	124.9	135.1	146.9	161.5	177.2	184.3	177.2	161.1	145.7	133.6	124.5
77.5°	90.9	96.3	105.4	116.3	126.1	131.6	125.4	114.5	105.1	96.8	92.3
80°	69.2	73.1	79.4	88.1	94.7	99.8	95.8	86.8	79.4	73.8	71.9
82.5°	50.3	52.9	57.1	63.5	68.0	70.6	68.9	62.3	59.3	54.3	52.4
85°	24.7	26.4	29.1	31.0	34.9	35.3	35.7	33.0	30.3	29.1	27.5
87.5°	8.9	9.4	10.5	11.6	13.0	13.4	13.2	13.4	12.2	12.0	10.9
90°	1.9	2.8	3.7	4.5	5.4	6.0	6.6	7.2	7.9	8.3	8.8
92.5°	8.7	9.6	10.6	11.6	12.3	12.8	13.2	13.7	14.1	14.4	14.7
95°	22.1	22.8	23.5	24.2	24.9	25.4	26.1	26.6	27.2	27.4	27.6
97.5°	38.0	38.6	39.1	39.7	40.3	40.9	41.6	42.2	42.9	43.2	43.4
100°	50.3	50.6	50.9	51.2	51.7	52.4	53.2	53.9	54.6	54.7	54.9
102.5°	63.2	63.3	63.5	63.6	64.0	64.6	65.3	65.9	66.6	66.9	67.1
105°	83.2	83.3	83.4	83.4	83.6	84.0	84.3	84.6	84.9	85.1	85.4
107.5°	104.3	104.4	104.5	104.6	104.6	104.7	104.7	104.8	104.8	105.0	105.3
110°	118.7	118.8	119.0	119.1	119.2	119.1	119.0	118.9	118.9	118.7	118.6



TEST NUMBER: P332536-840

CATALOG NUMBER: SA4XXDIP-C575D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	133.3	133.4	133.4	133.4	133.4	133.2	133.1	133.0	132.8	132.8	132.8
115°	155.6	155.6	155.6	155.6	155.5	155.3	155.2	155.0	154.9	154.8	154.7
117.5°	176.6	176.7	176.7	176.8	176.8	176.7	176.6	176.4	176.3	176.1	175.8
120°	190.9	191.2	191.5	191.9	191.9	191.7	191.4	191.2	191.0	190.6	190.2
122.5°	205.2	205.4	205.5	205.6	205.6	205.5	205.4	205.3	205.2	204.9	204.7
125°	226.6	226.6	226.6	226.6	226.5	226.5	226.4	226.3	226.2	226.1	225.9
127.5°	246.3	246.6	246.8	247.0	247.1	247.0	246.8	246.7	246.6	246.4	246.3
130°	260.0	260.2	260.5	260.7	260.8	260.8	260.8	260.8	260.8	260.7	260.5
132.5°	274.0	274.1	274.3	274.5	274.5	274.5	274.4	274.4	274.3	274.1	274.0
135°	292.8	293.2	293.7	294.2	294.4	294.4	294.4	294.4	294.4	294.3	294.1
137.5°	312.7	312.9	313.1	313.3	313.5	313.6	313.7	313.9	314.0	313.8	313.6
140°	326.0	326.1	326.3	326.5	326.5	326.5	326.5	326.5	326.5	326.5	326.4
142.5°	338.2	338.4	338.5	338.7	338.8	338.7	338.6	338.6	338.5	338.5	338.5
145°	355.4	355.7	356.0	356.4	356.6	356.6	356.7	356.8	356.9	356.8	356.7
147.5°	372.3	372.6	373.0	373.4	373.5	373.5	373.4	373.4	373.3	373.2	373.2
150°	382.5	382.8	383.1	383.4	383.6	383.6	383.6	383.6	383.6	383.6	383.6
152.5°	392.1	392.2	392.4	392.6	392.7	392.8	392.9	392.9	393.0	393.2	393.4
155°	406.8	406.8	406.8	406.8	406.8	406.7	406.6	406.6	406.5	406.8	407.1
157.5°	419.2	419.1	419.0	418.8	418.7	418.7	418.7	418.7	418.7	418.9	419.1
160°	426.7	426.7	426.6	426.5	426.4	426.4	426.3	426.2	426.1	426.4	426.6
162.5°	433.4	433.2	433.0	432.8	432.7	432.6	432.5	432.4	432.3	432.8	433.2
165°	442.6	442.4	442.1	441.9	441.7	441.5	441.4	441.2	441.1	441.5	442.0
167.5°	449.6	449.3	448.9	448.6	448.4	448.5	448.5	448.5	448.5	449.0	449.5
170°	453.5	453.1	452.7	452.3	452.2	452.2	452.3	452.4	452.5	452.9	453.4
172.5°	456.5	456.1	455.8	455.4	455.2	455.2	455.3	455.3	455.3	455.9	456.5
175°	460.3	459.9	459.5	459.1	458.9	458.8	458.7	458.7	458.6	459.1	459.7
177.5°	461.7	461.3	461.0	460.7	460.6	460.6	460.6	460.6	460.6	461.0	461.4
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	999.8	1000.4	1003.2	1005.4	1006.0	1009.2	1009.5
5°	1087.6	1094.3	1107.2	1108.4	1110.3	1120.6	1112.8
7.5°	1190.5	1207.5	1218.8	1228.8	1232.4	1236.9	1236.0
10°	1256.6	1281.7	1294.2	1314.3	1315.1	1320.2	1317.1
12.5°	1322.9	1352.1	1375.0	1378.8	1395.5	1398.2	1402.6
15°	1416.8	1447.9	1479.8	1491.2	1514.3	1519.8	1528.4
17.5°	1505.2	1536.9	1559.2	1588.7	1598.2	1610.9	1602.4
20°	1553.6	1588.2	1616.5	1639.6	1649.5	1656.6	1655.8
22.5°	1582.9	1617.7	1640.6	1658.2	1667.4	1670.4	1670.2
25°	1601.1	1621.2	1628.3	1635.0	1624.8	1621.2	1622.8
27.5°	1550.2	1545.0	1526.6	1502.4	1477.2	1457.2	1446.4
30°	1480.2	1449.5	1421.6	1372.9	1347.7	1332.8	1319.4
32.5°	1380.8	1332.2	1278.6	1234.0	1205.3	1183.2	1179.8
35°	1210.6	1137.5	1071.9	1017.2	989.0	965.0	959.5
37.5°	1029.3	953.3	894.2	846.1	815.7	798.8	783.0
40°	908.8	843.6	785.5	744.6	721.4	709.2	699.4
42.5°	816.1	756.5	698.7	667.5	646.6	639.1	633.4
45°	688.0	632.6	592.5	569.0	556.7	544.2	538.3
47.5°	585.4	540.4	513.9	493.9	480.9	473.4	469.6
50°	527.3	490.4	466.8	451.5	439.7	433.7	430.6
52.5°	475.7	445.5	425.7	413.4	405.5	401.1	399.8
55°	409.8	386.7	374.1	363.5	357.6	353.7	352.0
57.5°	356.2	338.4	328.2	319.4	317.2	313.9	312.8
60°	321.0	307.3	298.6	292.8	290.7	286.8	287.6
62.5°	289.9	278.6	271.2	267.9	265.3	262.0	263.1
65°	245.2	236.9	233.0	229.8	226.7	224.8	226.3
67.5°	205.7	200.1	194.7	192.9	191.4	191.1	189.3
70°	180.0	175.2	170.6	169.4	169.4	167.7	167.3
72.5°	155.1	151.7	148.6	147.6	146.4	147.0	145.4
75°	119.9	117.0	115.9	114.7	114.3	114.3	113.2
77.5°	88.6	86.5	84.6	84.6	83.2	82.7	82.5
80°	67.2	66.4	64.8	64.8	64.0	64.4	63.6
82.5°	50.5	49.4	49.1	48.5	47.4	47.5	46.7
85°	27.1	26.0	25.5	24.3	23.5	24.3	23.5
87.5°	11.3	11.1	10.8	10.2	9.9	10.0	9.1
90°	9.3	9.8	10.1	10.2	10.4	10.5	10.7
92.5°	14.9	15.2	15.5	15.6	15.7	15.8	15.9
95°	27.9	28.1	28.2	28.2	28.2	28.2	28.2
97.5°	43.7	44.0	44.1	44.1	44.1	44.1	44.1
100°	55.0	55.2	55.3	55.3	55.3	55.3	55.3
102.5°	67.3	67.5	67.7	67.7	67.8	67.8	67.9
105°	85.6	85.8	86.1	86.3	86.6	86.8	87.1
107.5°	105.5	105.7	105.8	105.8	105.8	105.8	105.7
110°	118.4	118.2	118.3	118.5	118.8	119.0	119.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	132.7	132.7	132.7	132.8	132.8	132.8	132.9
115°	154.6	154.5	154.5	154.4	154.3	154.2	154.2
117.5°	175.5	175.3	175.1	174.9	174.7	174.6	174.4
120°	189.8	189.3	189.2	189.3	189.6	189.7	189.9
122.5°	204.4	204.1	203.8	203.6	203.3	203.0	202.7
125°	225.8	225.6	225.4	225.3	225.1	225.0	224.8
127.5°	246.1	245.9	245.8	245.7	245.6	245.4	245.3
130°	260.3	260.2	259.9	259.6	259.3	259.0	258.7
132.5°	273.8	273.7	273.5	273.4	273.3	273.2	273.0
135°	294.0	293.8	293.6	293.4	293.1	292.9	292.7
137.5°	313.4	313.2	313.1	313.1	313.2	313.2	313.3
140°	326.3	326.2	326.1	326.1	326.0	325.9	325.8
142.5°	338.5	338.4	338.4	338.4	338.4	338.4	338.4
145°	356.6	356.6	356.4	356.2	355.9	355.7	355.5
147.5°	373.1	373.0	373.0	372.9	372.8	372.7	372.7
150°	383.6	383.6	383.5	383.5	383.4	383.3	383.2
152.5°	393.6	393.8	393.7	393.5	393.3	393.1	392.9
155°	407.4	407.7	407.7	407.4	407.1	406.8	406.5
157.5°	419.4	419.6	419.6	419.3	419.1	418.8	418.5
160°	426.8	427.1	427.0	426.6	426.2	425.8	425.4
162.5°	433.6	434.0	434.0	433.7	433.3	432.9	432.5
165°	442.5	442.9	443.0	442.7	442.4	442.1	441.8
167.5°	449.9	450.4	450.4	449.9	449.4	448.9	448.4
170°	453.9	454.4	454.3	453.8	453.2	452.7	452.1
172.5°	457.0	457.5	457.5	457.0	456.4	455.9	455.2
175°	460.2	460.8	460.8	460.2	459.7	459.1	458.6
177.5°	461.9	462.3	462.3	461.8	461.3	460.8	460.3
180°	461.4	461.4	461.4	461.4	461.4	461.4	461.4

(END OF REPORT)