

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: P332537

Luminaire Tested: **SA4XXDIP-C575D365U835-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332537
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-C575D365U835-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

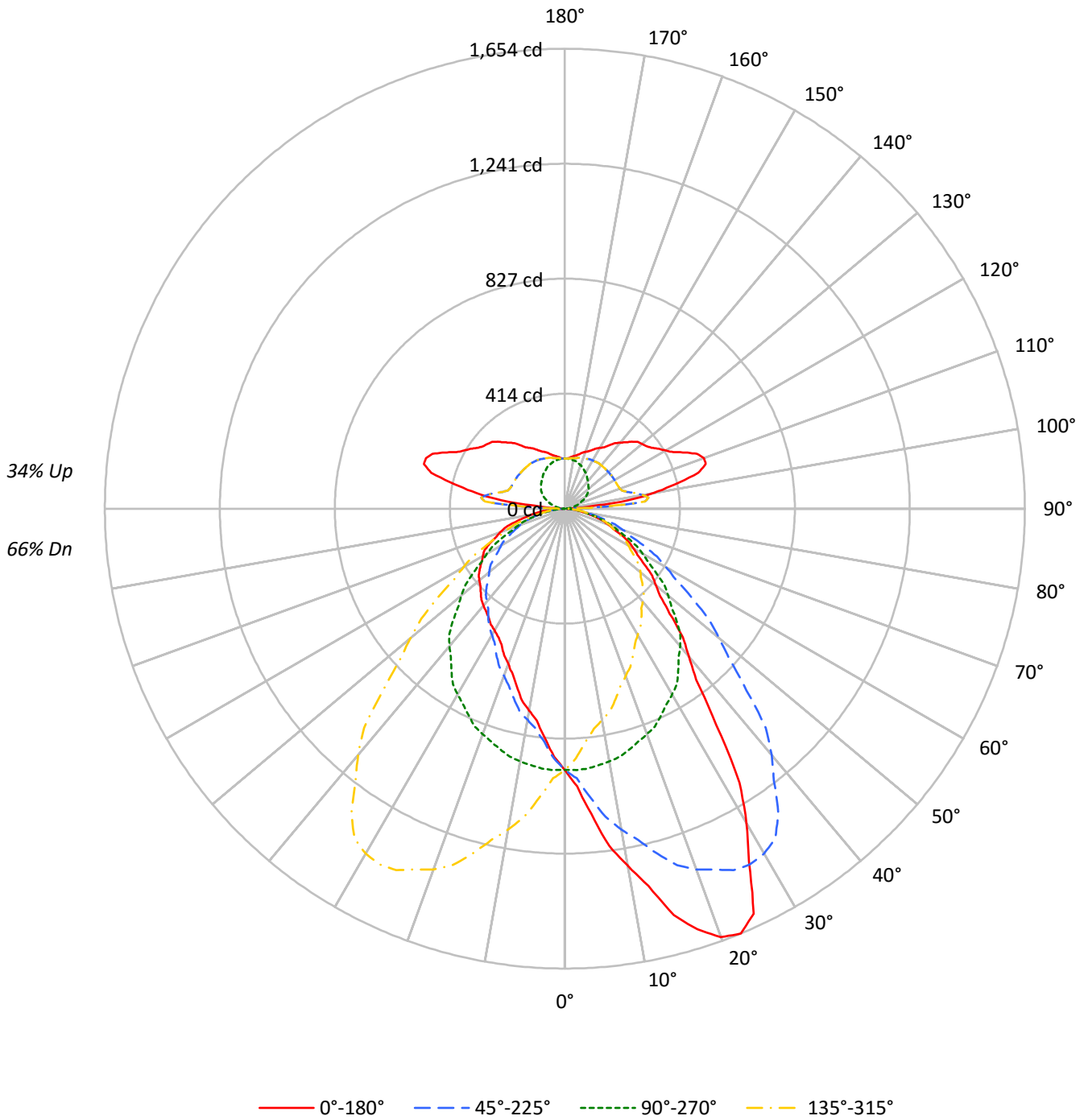
Lumens per Lamp: N/A
Luminaire Lumens: 3900.7 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

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	0
RCR																		
0	111	111	111	111	105	105	105	105	92	92	92	81	81	81	71	71	71	66
1	102	97	94	90	96	92	89	85	82	79	77	72	70	68	63	62	61	57
2	93	85	79	74	87	81	75	71	72	68	64	64	61	58	56	54	52	48
3	85	75	68	62	80	71	65	59	64	59	54	57	53	49	50	47	44	41
4	78	67	59	53	73	64	56	51	57	51	47	51	46	42	45	41	38	35
5	72	60	52	46	67	57	49	44	51	45	40	46	41	37	41	37	34	31
6	66	54	46	40	62	51	44	38	46	40	35	41	36	33	37	33	30	27
7	61	49	41	35	58	47	39	34	42	36	31	38	33	29	34	30	27	24
8	57	45	37	31	54	42	35	30	38	32	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	25	22	20
10	50	38	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7582	7582	7582	7582
5°	8930	7602	6710	7602
10°	10691	7569	6041	7569
15°	12649	7492	5548	7492
20°	14086	7414	5107	7414
25°	14313	7299	4804	7299
30°	12179	7189	4708	7189
35°	9363	7009	4709	7009
40°	7299	6798	4797	6798
45°	6085	6481	4877	6481
50°	5355	6094	5043	6094
55°	4906	5630	5246	5630
60°	4598	5214	5491	5214
65°	4281	4749	5692	4749
70°	3911	4289	5823	4289
75°	3497	3774	5752	3774
80°	2929	3092	5570	3092
85°	2158	2232	5335	2232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	2.3
10°-20°	282.0	7.2
20°-30°	447.2	11.5
30°-40°	497.7	12.8
40°-50°	453.1	11.6
50°-60°	370.2	9.5
60°-70°	264.3	6.8
70°-80°	145.5	3.7
80°-90°	40.7	1.0
90°-100°	129.9	3.3
100°-110°	270.4	6.9
110°-120°	242.2	6.2
120°-130°	203.7	5.2
130°-140°	169.9	4.4
140°-150°	129.8	3.3
150°-160°	91.2	2.3
160°-170°	53.7	1.4
170°-180°	17.5	0.4
0°-30°	820.8	21.0
0°-40°	1318.5	33.8
0°-60°	2141.8	54.9
0°-90°	2592.4	66.5
90°-120°	642.6	16.5
90°-150°	1146.0	29.4
90°-180°	1308.0	33.5
0°-180°	3900.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	939	939	939	939	939	
5°	1102	938	828	938	1102	112
15°	1514	896	664	896	1514	428
25°	1607	819	539	819	1607	708
35°	950	711	478	711	950	603
45°	533	568	427	568	533	420
55°	349	400	373	400	349	315
65°	224	249	298	249	224	222
75°	112	121	184	121	112	119
85°	23	24	58	24	23	29
90°	7	0	7	0	7	7
95°	86	12	86	12	86	134
105°	497	41	497	41	497	492
115°	478	73	478	73	478	474
125°	381	101	381	101	381	346
135°	341	120	341	120	341	263
145°	278	139	278	139	278	176
155°	233	158	233	158	233	109
165°	203	172	203	172	203	58
175°	183	180	183	180	183	18
180°	180	180	180	180	180	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	999.6	999.3	996.2	995.6	993.4	990.6	990.0	985.0	975.0	970.4	969.1
5°	1101.9	1109.7	1099.5	1097.6	1096.4	1083.6	1077.0	1069.2	1051.3	1040.8	1032.6
7.5°	1223.9	1224.8	1220.4	1216.8	1206.9	1195.7	1178.9	1161.0	1139.7	1117.5	1100.8
10°	1304.2	1307.3	1302.3	1301.5	1281.6	1269.2	1244.3	1223.3	1199.1	1172.3	1147.8
12.5°	1388.9	1384.5	1381.9	1365.3	1361.6	1338.9	1310.0	1288.3	1251.1	1220.2	1187.6
15°	1513.5	1505.0	1499.5	1476.6	1465.3	1433.8	1403.0	1379.3	1330.7	1284.4	1249.3
17.5°	1586.7	1595.2	1582.6	1573.2	1544.0	1521.9	1490.5	1440.7	1402.6	1345.1	1300.9
20°	1639.6	1640.4	1633.4	1623.6	1600.7	1572.7	1538.4	1484.0	1438.4	1381.2	1320.5
22.5°	1653.9	1654.1	1651.1	1642.0	1624.6	1601.9	1567.4	1521.9	1466.8	1404.6	1343.9
25°	1606.9	1605.4	1608.9	1619.0	1612.4	1605.4	1585.5	1551.7	1500.3	1434.5	1369.2
27.5°	1432.3	1443.0	1462.8	1487.7	1511.7	1529.9	1535.1	1528.2	1496.3	1442.2	1373.8
30°	1306.5	1319.8	1334.5	1359.5	1407.7	1435.3	1465.7	1488.6	1475.8	1432.6	1368.8
32.5°	1168.3	1171.6	1193.5	1221.9	1266.1	1319.2	1367.3	1413.9	1429.4	1406.8	1353.5
35°	950.1	955.6	979.3	1007.3	1061.4	1126.4	1198.8	1263.3	1316.7	1338.1	1310.8
37.5°	775.4	791.0	807.7	837.8	885.5	944.0	1019.2	1102.7	1182.2	1235.4	1244.4
40°	692.6	702.3	714.4	737.3	777.8	835.4	899.9	995.7	1080.1	1156.4	1181.3
42.5°	627.2	632.9	640.3	661.0	691.9	749.1	808.1	892.3	977.1	1068.3	1110.0
45°	533.0	538.9	551.3	563.4	586.7	626.4	681.3	750.5	835.7	923.7	1000.7
47.5°	465.0	468.8	476.2	489.1	508.9	535.1	579.7	637.5	716.5	801.9	884.0
50°	426.4	429.5	435.4	447.1	462.2	485.6	522.1	576.2	638.1	724.1	804.6
52.5°	395.9	397.2	401.5	409.4	421.5	441.1	471.1	515.8	573.4	650.0	730.2
55°	348.6	350.2	354.1	359.9	370.4	382.9	405.8	439.3	489.5	556.0	625.6
57.5°	309.7	310.8	314.1	316.3	325.0	335.1	352.7	376.6	414.7	471.1	533.3
60°	284.8	284.0	287.9	289.9	295.7	304.3	317.9	340.8	373.9	419.4	476.6
62.5°	260.5	259.4	262.7	265.3	268.6	275.9	287.1	305.0	331.9	373.1	422.5
65°	224.1	222.6	224.5	227.6	230.7	234.6	242.8	258.7	280.1	309.7	347.4
67.5°	187.5	189.2	189.5	191.0	192.8	198.1	203.7	215.0	230.1	253.8	285.7
70°	165.7	166.1	167.7	167.7	168.9	173.5	178.2	184.8	199.6	221.4	247.5
72.5°	144.0	145.6	145.0	146.2	147.1	150.2	153.6	159.9	172.5	188.7	210.7
75°	112.1	113.2	113.2	113.6	114.8	115.9	118.7	123.3	132.3	144.3	159.5
77.5°	81.7	81.9	82.4	83.8	83.8	85.7	87.7	91.4	95.9	104.1	113.4
80°	63.0	63.8	63.4	64.2	64.2	65.8	66.5	71.2	73.1	78.6	86.0
82.5°	46.2	47.0	46.9	48.0	48.6	48.9	50.0	51.9	53.8	58.7	61.7
85°	23.3	24.1	23.3	24.1	25.3	25.7	26.8	27.2	28.8	30.0	32.7
87.5°	8.3	9.3	9.3	9.6	10.1	10.4	10.7	10.3	11.5	11.9	13.0
90°	7.4	7.4	7.8	7.4	7.1	7.1	6.7	6.4	6.0	6.4	5.7
92.5°	27.2	27.2	28.4	30.3	34.5	41.6	52.2	69.4	93.4	112.1	98.1
95°	86.2	90.8	97.2	108.1	125.5	159.7	207.1	261.9	296.2	288.0	217.4
97.5°	230.5	237.9	248.5	269.7	295.1	332.0	366.6	386.9	372.1	303.4	203.4
100°	324.1	326.9	337.5	359.1	389.8	416.0	433.3	426.2	374.6	284.2	184.5
102.5°	405.5	407.8	419.0	434.6	453.4	464.3	459.3	424.3	353.4	260.1	171.8
105°	497.3	499.4	504.3	507.2	506.5	492.0	457.0	395.8	314.9	231.8	160.8
107.5°	531.3	530.4	526.9	518.8	501.4	469.8	420.6	355.5	283.8	216.0	158.8
110°	531.9	528.7	522.4	507.5	482.4	443.6	392.3	331.2	268.3	210.6	159.4



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	515.2	510.1	501.2	483.2	454.7	415.8	367.4	313.3	259.5	208.1	161.1
115°	477.5	474.7	463.3	442.1	414.2	380.3	338.9	295.5	251.3	206.8	164.3
117.5°	439.2	437.0	425.6	407.8	384.0	355.2	322.7	286.7	247.6	206.4	167.8
120°	417.8	413.9	404.7	389.1	369.0	343.9	315.6	282.7	245.6	206.4	170.4
122.5°	400.8	396.9	389.1	375.8	358.8	336.8	311.1	279.3	243.4	206.1	172.9
125°	381.0	378.9	372.2	361.9	347.8	328.3	303.9	273.6	239.6	205.7	176.7
127.5°	369.4	367.3	361.6	352.5	338.3	319.9	295.5	266.5	234.6	204.9	179.8
130°	362.6	360.5	354.8	346.0	331.5	312.8	288.8	260.8	231.5	204.6	182.0
132.5°	355.0	352.9	347.5	337.5	323.3	304.6	281.1	254.9	228.7	204.4	184.0
135°	340.7	338.6	332.9	323.0	308.9	291.2	269.7	246.7	224.4	203.9	187.0
137.5°	323.0	320.5	315.8	306.1	292.8	276.9	258.7	239.3	220.8	203.9	188.7
140°	310.3	307.5	302.5	294.8	282.4	267.5	251.6	235.0	218.8	203.6	190.1
142.5°	296.7	294.8	290.4	283.2	272.2	259.3	245.7	231.1	217.1	203.6	191.3
145°	278.1	276.4	272.8	266.8	258.0	248.1	237.5	225.5	214.2	202.9	191.9
147.5°	261.7	261.0	258.4	253.2	246.7	238.9	230.4	220.9	211.6	201.6	192.3
150°	252.3	252.0	249.9	245.3	239.6	233.3	226.2	218.1	209.6	200.7	192.3
152.5°	243.9	243.5	242.2	238.5	233.7	228.5	222.0	215.0	207.3	199.3	191.7
155°	232.9	232.9	231.8	229.0	225.5	221.2	215.9	210.3	203.9	197.2	190.9
157.5°	223.3	223.3	222.7	220.5	217.9	214.5	210.0	205.3	200.5	195.0	189.9
160°	217.4	217.4	217.0	214.9	212.8	209.9	206.0	202.2	197.9	193.3	189.1
162.5°	211.7	212.0	211.6	209.5	208.0	205.4	202.4	199.1	195.7	191.6	188.2
165°	203.2	203.6	203.9	202.5	201.1	199.3	196.9	194.7	191.9	189.1	186.6
167.5°	196.5	196.8	196.9	195.9	195.2	194.2	192.2	190.6	188.5	186.5	184.9
170°	192.3	192.3	192.6	192.3	191.6	190.5	189.1	188.0	186.3	184.8	183.8
172.5°	188.0	188.6	188.9	188.6	188.2	187.4	186.5	185.8	184.3	183.1	182.7
175°	183.1	183.8	184.5	183.8	183.8	183.8	183.1	182.7	182.0	181.3	181.3
177.5°	180.2	180.7	181.3	181.0	181.3	181.0	181.0	180.7	180.5	180.2	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	969.4	965.1	962.0	959.5	952.6	948.6	945.5	941.1	936.1	930.8	924.3
5°	1024.5	1011.2	1001.5	986.7	972.7	961.0	949.0	938.1	924.8	910.5	899.9
7.5°	1082.3	1062.6	1037.4	1015.5	990.9	969.5	950.4	930.8	910.4	890.6	872.5
10°	1119.0	1093.7	1065.7	1032.6	1001.5	973.9	948.2	923.3	899.2	875.0	854.4
12.5°	1158.5	1127.0	1085.6	1046.9	1012.1	975.1	944.1	913.6	884.5	859.2	835.1
15°	1211.6	1166.1	1118.2	1066.5	1020.6	977.4	935.0	896.4	863.8	830.3	807.0
17.5°	1244.2	1187.9	1133.2	1079.1	1023.5	969.0	923.3	878.9	837.9	804.7	775.3
20°	1265.7	1209.7	1141.6	1087.5	1021.3	965.3	912.4	863.0	820.2	784.8	754.4
22.5°	1284.4	1219.6	1151.5	1080.3	1014.5	955.0	897.1	847.4	803.7	766.4	737.3
25°	1294.5	1220.2	1146.2	1075.4	1000.7	930.3	877.8	819.4	772.7	733.4	702.3
27.5°	1295.6	1216.1	1132.5	1053.8	976.7	911.1	844.8	792.6	744.2	702.6	672.7
30°	1292.1	1209.3	1119.4	1034.2	956.8	885.5	828.0	771.2	721.7	680.5	649.4
32.5°	1281.2	1194.9	1102.6	1012.4	932.2	862.5	803.1	749.1	700.9	660.3	627.6
35°	1249.7	1164.5	1066.1	972.3	890.2	819.8	766.1	711.2	663.0	624.5	593.0
37.5°	1200.5	1123.4	1023.4	926.3	845.7	775.0	721.7	672.2	628.7	589.5	557.2
40°	1157.5	1089.8	989.4	894.9	807.7	740.4	690.6	645.1	601.9	564.9	534.2
42.5°	1108.0	1049.0	956.4	856.3	772.2	704.6	656.1	615.2	574.5	540.4	509.6
45°	1019.8	980.9	893.7	801.1	713.6	649.8	603.5	567.7	533.4	500.0	474.3
47.5°	918.3	899.0	825.6	737.7	654.6	591.7	551.6	518.5	488.5	460.1	437.5
50°	850.1	840.8	777.4	692.6	613.2	554.1	513.6	485.2	459.5	434.6	413.2
52.5°	782.9	782.6	725.4	647.7	574.3	517.3	477.2	450.6	428.4	408.1	388.9
55°	680.1	691.0	646.3	577.0	511.3	459.9	423.7	400.0	384.4	367.7	353.3
57.5°	585.7	603.8	566.9	505.9	451.0	403.7	372.2	354.4	337.8	327.7	317.2
60°	524.1	541.2	512.4	461.1	409.3	368.8	338.9	322.9	308.5	301.5	294.1
62.5°	469.3	484.6	463.2	415.6	370.7	331.8	306.5	291.2	281.5	273.8	268.9
65°	391.0	403.9	385.6	351.0	312.4	281.3	260.7	248.6	239.3	236.2	230.7
67.5°	316.1	327.8	317.9	288.5	257.6	234.0	217.9	206.3	200.8	198.0	194.2
70°	271.6	283.3	272.7	247.1	223.3	203.5	188.3	181.7	175.9	174.7	169.3
72.5°	233.9	241.9	231.3	211.3	191.0	174.2	162.5	155.6	152.5	150.4	147.5
75°	175.5	182.5	175.5	159.9	145.5	133.8	123.7	121.0	117.5	116.3	114.4
77.5°	124.2	130.3	124.9	115.2	104.4	95.4	90.0	86.5	85.7	83.7	84.6
80°	94.9	98.8	93.8	87.2	78.6	72.4	68.5	66.5	64.2	63.4	65.0
82.5°	68.2	69.9	67.3	62.9	56.5	52.4	49.8	47.5	47.1	47.2	47.2
85°	35.4	35.0	34.6	30.7	28.8	26.1	24.5	24.1	23.7	24.5	25.3
87.5°	12.8	13.1	12.4	11.1	10.1	9.1	8.6	8.2	8.6	9.1	9.5
90°	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4	1.1	2.1	2.5
92.5°	71.4	44.0	26.0	18.7	13.5	9.2	5.9	4.0	5.9	9.2	13.5
95°	132.9	74.9	44.2	29.3	20.9	16.3	12.7	11.7	12.7	16.3	20.9
97.5°	119.5	71.6	47.9	35.5	28.2	24.0	20.9	20.9	20.9	24.0	28.2
100°	112.4	72.5	51.6	40.3	33.6	29.3	26.9	26.9	26.9	29.3	33.6
102.5°	110.4	75.3	56.4	45.7	39.2	35.3	33.1	32.5	33.1	35.3	39.2
105°	111.3	82.0	65.0	54.8	48.4	44.2	42.4	41.4	42.4	44.2	48.4
107.5°	116.6	89.8	74.3	64.2	58.1	53.6	51.8	51.1	51.8	53.6	58.1
110°	120.5	95.8	80.2	70.7	64.3	60.1	58.3	57.6	58.3	60.1	64.3



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	124.8	101.4	86.4	76.9	70.5	66.6	64.5	63.8	64.5	66.6	70.5
115°	131.5	110.3	96.1	86.6	79.9	76.3	73.9	72.8	73.9	76.3	79.9
117.5°	138.3	118.8	105.4	95.5	89.2	85.3	83.1	82.1	83.1	85.3	89.2
120°	143.1	124.8	111.3	101.4	95.4	91.5	89.1	88.4	89.1	91.5	95.4
122.5°	147.7	130.4	117.0	107.4	100.8	97.2	94.7	94.0	94.7	97.2	100.8
125°	154.4	138.2	125.5	115.6	108.9	105.0	102.8	101.4	102.8	105.0	108.9
127.5°	160.3	145.4	133.1	123.1	116.1	111.7	109.1	108.0	109.1	111.7	116.1
130°	164.0	150.2	138.2	127.9	121.2	115.9	113.1	111.7	113.1	115.9	121.2
132.5°	167.7	154.2	142.1	132.5	125.2	120.2	116.5	115.4	116.5	120.2	125.2
135°	172.5	159.7	148.1	138.9	131.5	125.5	121.9	120.5	121.9	125.5	131.5
137.5°	175.9	164.0	153.1	144.3	136.6	130.9	127.0	125.7	127.0	130.9	136.6
140°	178.1	166.8	156.2	147.7	140.3	134.3	130.4	129.4	130.4	134.3	140.3
142.5°	179.8	169.4	159.0	150.8	143.7	138.0	134.4	133.3	134.4	138.0	143.7
145°	181.7	172.1	162.9	155.2	148.4	143.5	140.0	138.9	140.0	143.5	148.4
147.5°	183.3	174.9	166.3	159.3	153.7	148.7	145.5	145.2	145.5	148.7	153.7
150°	184.1	176.4	168.6	161.9	156.6	152.3	149.5	149.1	149.5	152.3	156.6
152.5°	184.7	177.5	170.6	164.4	159.7	155.7	152.9	152.8	152.9	155.7	159.7
155°	185.2	179.2	173.2	167.9	164.0	160.5	158.3	158.0	158.3	160.5	164.0
157.5°	185.2	180.4	175.3	171.1	167.7	165.0	163.0	163.0	163.0	165.0	167.7
160°	185.2	181.0	176.7	172.8	170.0	167.5	166.1	166.1	166.1	167.5	170.0
162.5°	185.2	181.5	177.6	174.5	172.0	169.8	168.7	168.9	168.7	169.8	172.0
165°	184.5	181.7	178.5	176.4	174.6	172.8	172.1	172.1	172.1	172.8	174.6
167.5°	183.6	181.6	179.3	177.6	176.6	175.3	174.9	175.3	174.9	175.3	176.6
170°	183.1	181.3	179.5	178.5	177.8	176.7	176.4	176.7	176.4	176.7	177.8
172.5°	182.5	181.0	179.8	179.0	178.6	177.8	177.8	178.1	177.8	177.8	178.6
175°	181.7	180.6	179.9	179.9	179.5	179.2	179.2	179.5	179.2	179.2	179.5
177.5°	180.7	180.2	179.9	179.9	179.9	179.6	179.9	180.2	179.9	179.6	179.9
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	921.2	918.4	914.3	908.7	904.1	899.1	897.8	896.0	899.7	896.6	895.7
5°	891.0	882.8	872.3	860.3	853.3	843.1	841.2	837.3	833.4	833.0	829.1
7.5°	859.0	847.0	833.3	821.0	809.6	798.6	791.3	789.8	784.0	780.7	776.8
10°	838.5	823.7	807.7	796.1	782.8	771.2	763.0	758.3	754.4	750.1	746.3
12.5°	814.2	798.5	785.3	772.7	757.0	748.1	734.7	726.6	725.8	725.9	715.8
15°	785.9	770.4	750.1	732.3	723.7	706.6	699.2	689.8	684.0	678.2	673.5
17.5°	753.7	734.3	718.5	697.9	681.6	668.0	658.2	652.6	643.9	635.6	629.6
20°	733.4	712.8	696.1	674.3	656.4	639.7	631.5	623.7	617.1	610.1	603.5
22.5°	712.9	691.3	670.9	649.7	633.0	615.4	607.5	596.9	590.6	586.7	580.1
25°	680.5	657.2	633.8	613.6	596.5	580.9	570.4	562.2	555.2	552.1	547.8
27.5°	645.3	622.1	599.6	576.6	557.2	545.9	537.5	531.3	527.3	523.2	521.2
30°	622.9	598.8	574.7	553.3	535.4	524.1	516.3	512.0	508.9	507.0	505.0
32.5°	600.2	576.4	551.0	531.5	515.5	505.4	499.5	495.2	493.7	493.0	492.3
35°	563.8	539.7	516.3	498.8	483.6	479.7	474.7	472.3	471.6	474.3	475.5
37.5°	528.5	506.1	484.6	467.7	457.7	452.0	450.3	450.4	453.2	455.6	458.4
40°	505.8	484.0	463.8	449.0	439.7	436.2	435.4	437.3	440.4	443.2	446.3
42.5°	483.7	462.2	443.9	430.0	423.5	420.3	420.8	422.7	427.1	430.4	435.1
45°	449.4	431.5	413.6	402.3	396.9	397.6	397.6	401.1	405.4	410.5	415.5
47.5°	417.1	399.0	384.3	374.8	372.0	371.3	373.5	378.1	384.3	390.5	397.6
50°	395.3	378.2	365.3	356.8	353.7	354.8	358.0	362.2	369.6	377.4	384.8
52.5°	373.2	357.6	345.7	337.8	335.6	337.7	340.8	347.6	354.1	362.5	371.4
55°	338.9	325.7	316.3	310.5	309.7	310.9	314.4	321.8	331.1	341.6	350.2
57.5°	304.7	293.7	285.1	281.1	281.5	282.6	288.3	297.1	307.1	318.3	329.3
60°	281.7	271.6	264.6	261.5	261.9	264.2	271.2	279.4	291.8	302.7	314.4
62.5°	259.9	251.0	244.3	241.5	241.0	246.1	252.8	261.3	273.8	285.9	298.5
65°	224.9	217.9	212.4	210.9	212.0	215.9	224.5	235.8	246.3	259.1	272.4
67.5°	190.6	184.9	181.2	181.9	183.3	189.0	196.2	205.9	217.8	231.1	244.2
70°	168.9	163.4	160.3	160.7	163.0	170.0	176.3	186.0	198.8	212.4	223.3
72.5°	146.5	142.9	140.1	141.7	144.0	148.9	156.6	166.4	177.7	190.3	201.9
75°	112.4	112.4	110.9	112.1	115.6	120.2	126.1	136.2	147.5	157.6	166.9
77.5°	83.4	82.6	83.6	85.0	87.0	92.5	99.2	106.5	114.9	125.1	132.8
80°	63.8	64.2	66.1	68.5	69.3	73.5	80.5	87.2	93.8	102.3	109.7
82.5°	47.9	48.3	49.3	52.3	53.1	57.7	62.2	68.8	74.8	80.5	86.7
85°	26.1	26.1	28.0	29.2	31.1	34.2	37.0	40.9	46.3	50.2	56.0
87.5°	10.5	10.5	12.2	12.8	13.9	15.6	16.1	19.6	21.0	22.6	25.4
90°	2.8	2.8	4.9	4.9	5.7	6.4	6.0	6.4	6.7	7.1	7.1
92.5°	18.7	26.0	44.0	71.4	98.1	112.1	93.4	69.4	52.2	41.6	34.5
95°	29.3	44.2	74.9	132.9	217.4	288.0	296.2	261.9	207.1	159.7	125.5
97.5°	35.5	47.9	71.6	119.5	203.4	303.4	372.1	386.9	366.6	332.0	295.1
100°	40.3	51.6	72.5	112.4	184.5	284.2	374.6	426.2	433.3	416.0	389.8
102.5°	45.7	56.4	75.3	110.4	171.8	260.1	353.4	424.3	459.3	464.3	453.4
105°	54.8	65.0	82.0	111.3	160.8	231.8	314.9	395.8	457.0	492.0	506.5
107.5°	64.2	74.3	89.8	116.6	158.8	216.0	283.8	355.5	420.6	469.8	501.4
110°	70.7	80.2	95.8	120.5	159.4	210.6	268.3	331.2	392.3	443.6	482.4



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	76.9	86.4	101.4	124.8	161.1	208.1	259.5	313.3	367.4	415.8	454.7
115°	86.6	96.1	110.3	131.5	164.3	206.8	251.3	295.5	338.9	380.3	414.2
117.5°	95.5	105.4	118.8	138.3	167.8	206.4	247.6	286.7	322.7	355.2	384.0
120°	101.4	111.3	124.8	143.1	170.4	206.4	245.6	282.7	315.6	343.9	369.0
122.5°	107.4	117.0	130.4	147.7	172.9	206.1	243.4	279.3	311.1	336.8	358.8
125°	115.6	125.5	138.2	154.4	176.7	205.7	239.6	273.6	303.9	328.3	347.8
127.5°	123.1	133.1	145.4	160.3	179.8	204.9	234.6	266.5	295.5	319.9	338.3
130°	127.9	138.2	150.2	164.0	182.0	204.6	231.5	260.8	288.8	312.8	331.5
132.5°	132.5	142.1	154.2	167.7	184.0	204.4	228.7	254.9	281.1	304.6	323.3
135°	138.9	148.1	159.7	172.5	187.0	203.9	224.4	246.7	269.7	291.2	308.9
137.5°	144.3	153.1	164.0	175.9	188.7	203.9	220.8	239.3	258.7	276.9	292.8
140°	147.7	156.2	166.8	178.1	190.1	203.6	218.8	235.0	251.6	267.5	282.4
142.5°	150.8	159.0	169.4	179.8	191.3	203.6	217.1	231.1	245.7	259.3	272.2
145°	155.2	162.9	172.1	181.7	191.9	202.9	214.2	225.5	237.5	248.1	258.0
147.5°	159.3	166.3	174.9	183.3	192.3	201.6	211.6	220.9	230.4	238.9	246.7
150°	161.9	168.6	176.4	184.1	192.3	200.7	209.6	218.1	226.2	233.3	239.6
152.5°	164.4	170.6	177.5	184.7	191.7	199.3	207.3	215.0	222.0	228.5	233.7
155°	167.9	173.2	179.2	185.2	190.9	197.2	203.9	210.3	215.9	221.2	225.5
157.5°	171.1	175.3	180.4	185.2	189.9	195.0	200.5	205.3	210.0	214.5	217.9
160°	172.8	176.7	181.0	185.2	189.1	193.3	197.9	202.2	206.0	209.9	212.8
162.5°	174.5	177.6	181.5	185.2	188.2	191.6	195.7	199.1	202.4	205.4	208.0
165°	176.4	178.5	181.7	184.5	186.6	189.1	191.9	194.7	196.9	199.3	201.1
167.5°	177.6	179.3	181.6	183.6	184.9	186.5	188.5	190.6	192.2	194.2	195.2
170°	178.5	179.5	181.3	183.1	183.8	184.8	186.3	188.0	189.1	190.5	191.6
172.5°	179.0	179.8	181.0	182.5	182.7	183.1	184.3	185.8	186.5	187.4	188.2
175°	179.9	179.9	180.6	181.7	181.3	181.3	182.0	182.7	183.1	183.8	183.8
177.5°	179.9	179.9	180.2	180.7	180.2	180.2	180.5	180.7	181.0	181.0	181.3
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	895.0	894.4	892.2	891.9	892.2	894.4	895.0	895.7	896.6	899.7	896.0
5°	826.8	824.9	823.7	828.0	823.7	824.9	826.8	829.1	833.0	833.4	837.3
7.5°	775.4	773.8	770.4	769.3	770.4	773.8	775.4	776.8	780.7	784.0	789.8
10°	742.4	740.8	737.7	736.9	737.7	740.8	742.4	746.3	750.1	754.4	758.3
12.5°	710.6	707.5	706.9	707.7	706.9	707.5	710.6	715.8	725.9	725.8	726.6
15°	668.4	666.9	662.6	663.8	662.6	666.9	668.4	673.5	678.2	684.0	689.8
17.5°	626.9	625.0	619.8	624.4	619.8	625.0	626.9	629.6	635.6	643.9	652.6
20°	600.7	597.6	594.9	594.5	594.9	597.6	600.7	603.5	610.1	617.1	623.7
22.5°	575.8	573.0	572.8	570.2	572.8	573.0	575.8	580.1	586.7	590.6	596.9
25°	544.7	542.0	541.2	539.3	541.2	542.0	544.7	547.8	552.1	555.2	562.2
27.5°	520.8	519.5	518.1	518.7	518.1	519.5	520.8	521.2	523.2	527.3	531.3
30°	506.2	505.8	505.0	505.0	505.0	505.8	506.2	505.0	507.0	508.9	512.0
32.5°	494.1	494.0	494.4	494.4	494.4	494.0	494.1	492.3	493.0	493.7	495.2
35°	477.0	478.2	479.0	477.8	479.0	478.2	477.0	475.5	474.3	471.6	472.3
37.5°	461.6	462.8	463.9	465.2	463.9	462.8	461.6	458.4	455.6	453.2	450.4
40°	449.8	452.5	453.3	455.2	453.3	452.5	449.8	446.3	443.2	440.4	437.3
42.5°	438.6	441.6	443.6	444.0	443.6	441.6	438.6	435.1	430.4	427.1	422.7
45°	421.4	424.5	427.2	427.2	427.2	424.5	421.4	415.5	410.5	405.4	401.1
47.5°	403.6	408.1	410.8	411.5	410.8	408.1	403.6	397.6	390.5	384.3	378.1
50°	391.4	396.9	399.6	401.5	399.6	396.9	391.4	384.8	377.4	369.6	362.2
52.5°	379.6	385.0	388.7	389.7	388.7	385.0	379.6	371.4	362.5	354.1	347.6
55°	359.1	366.9	371.2	372.7	371.2	366.9	359.1	350.2	341.6	331.1	321.8
57.5°	339.8	347.0	352.0	353.1	352.0	347.0	339.8	329.3	318.3	307.1	297.1
60°	324.9	332.7	338.9	340.1	338.9	332.7	324.9	314.4	302.7	291.8	279.4
62.5°	309.6	317.7	323.3	326.4	323.3	317.7	309.6	298.5	285.9	273.8	261.3
65°	283.3	291.4	296.9	298.0	296.9	291.4	283.3	272.4	259.1	246.3	235.8
67.5°	254.5	262.6	266.2	268.5	266.2	262.6	254.5	244.2	231.1	217.8	205.9
70°	234.2	240.8	244.7	246.7	244.7	240.8	234.2	223.3	212.4	198.8	186.0
72.5°	211.2	218.1	222.6	223.0	222.6	218.1	211.2	201.9	190.3	177.7	166.4
75°	175.9	182.1	184.4	184.4	184.4	182.1	175.9	166.9	157.6	147.5	136.2
77.5°	139.2	142.4	145.4	146.0	145.4	142.4	139.2	132.8	125.1	114.9	106.5
80°	115.6	117.5	119.8	119.8	119.8	117.5	115.6	109.7	102.3	93.8	87.2
82.5°	91.3	92.9	95.2	94.9	95.2	92.9	91.3	86.7	80.5	74.8	68.8
85°	55.2	58.8	58.4	57.6	58.4	58.8	55.2	56.0	50.2	46.3	40.9
87.5°	26.4	26.8	27.6	28.3	27.6	26.8	26.4	25.4	22.6	21.0	19.6
90°	7.4	7.8	7.4	7.4	7.4	7.8	7.4	7.1	7.1	6.7	6.4
92.5°	30.3	28.4	27.2	27.2	27.2	28.4	30.3	34.5	41.6	52.2	69.4
95°	108.1	97.2	90.8	86.2	90.8	97.2	108.1	125.5	159.7	207.1	261.9
97.5°	269.7	248.5	237.9	230.5	237.9	248.5	269.7	295.1	332.0	366.6	386.9
100°	359.1	337.5	326.9	324.1	326.9	337.5	359.1	389.8	416.0	433.3	426.2
102.5°	434.6	419.0	407.8	405.5	407.8	419.0	434.6	453.4	464.3	459.3	424.3
105°	507.2	504.3	499.4	497.3	499.4	504.3	507.2	506.5	492.0	457.0	395.8
107.5°	518.8	526.9	530.4	531.3	530.4	526.9	518.8	501.4	469.8	420.6	355.5
110°	507.5	522.4	528.7	531.9	528.7	522.4	507.5	482.4	443.6	392.3	331.2



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	483.2	501.2	510.1	515.2	510.1	501.2	483.2	454.7	415.8	367.4	313.3
115°	442.1	463.3	474.7	477.5	474.7	463.3	442.1	414.2	380.3	338.9	295.5
117.5°	407.8	425.6	437.0	439.2	437.0	425.6	407.8	384.0	355.2	322.7	286.7
120°	389.1	404.7	413.9	417.8	413.9	404.7	389.1	369.0	343.9	315.6	282.7
122.5°	375.8	389.1	396.9	400.8	396.9	389.1	375.8	358.8	336.8	311.1	279.3
125°	361.9	372.2	378.9	381.0	378.9	372.2	361.9	347.8	328.3	303.9	273.6
127.5°	352.5	361.6	367.3	369.4	367.3	361.6	352.5	338.3	319.9	295.5	266.5
130°	346.0	354.8	360.5	362.6	360.5	354.8	346.0	331.5	312.8	288.8	260.8
132.5°	337.5	347.5	352.9	355.0	352.9	347.5	337.5	323.3	304.6	281.1	254.9
135°	323.0	332.9	338.6	340.7	338.6	332.9	323.0	308.9	291.2	269.7	246.7
137.5°	306.1	315.8	320.5	323.0	320.5	315.8	306.1	292.8	276.9	258.7	239.3
140°	294.8	302.5	307.5	310.3	307.5	302.5	294.8	282.4	267.5	251.6	235.0
142.5°	283.2	290.4	294.8	296.7	294.8	290.4	283.2	272.2	259.3	245.7	231.1
145°	266.8	272.8	276.4	278.1	276.4	272.8	266.8	258.0	248.1	237.5	225.5
147.5°	253.2	258.4	261.0	261.7	261.0	258.4	253.2	246.7	238.9	230.4	220.9
150°	245.3	249.9	252.0	252.3	252.0	249.9	245.3	239.6	233.3	226.2	218.1
152.5°	238.5	242.2	243.5	243.9	243.5	242.2	238.5	233.7	228.5	222.0	215.0
155°	229.0	231.8	232.9	232.9	232.9	231.8	229.0	225.5	221.2	215.9	210.3
157.5°	220.5	222.7	223.3	223.3	223.3	222.7	220.5	217.9	214.5	210.0	205.3
160°	214.9	217.0	217.4	217.4	217.4	217.0	214.9	212.8	209.9	206.0	202.2
162.5°	209.5	211.6	212.0	211.7	212.0	211.6	209.5	208.0	205.4	202.4	199.1
165°	202.5	203.9	203.6	203.2	203.6	203.9	202.5	201.1	199.3	196.9	194.7
167.5°	195.9	196.9	196.8	196.5	196.8	196.9	195.9	195.2	194.2	192.2	190.6
170°	192.3	192.6	192.3	192.3	192.3	192.6	192.3	191.6	190.5	189.1	188.0
172.5°	188.6	188.9	188.6	188.0	188.6	188.9	188.6	188.2	187.4	186.5	185.8
175°	183.8	184.5	183.8	183.1	183.8	184.5	183.8	183.8	183.8	183.1	182.7
177.5°	181.0	181.3	180.7	180.2	180.7	181.3	181.0	181.3	181.0	181.0	180.7
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	897.8	899.1	904.1	908.7	914.3	918.4	921.2	924.3	930.8	936.1	941.1
5°	841.2	843.1	853.3	860.3	872.3	882.8	891.0	899.9	910.5	924.8	938.1
7.5°	791.3	798.6	809.6	821.0	833.3	847.0	859.0	872.5	890.6	910.4	930.8
10°	763.0	771.2	782.8	796.1	807.7	823.7	838.5	854.4	875.0	899.2	923.3
12.5°	734.7	748.1	757.0	772.7	785.3	798.5	814.2	835.1	859.2	884.5	913.6
15°	699.2	706.6	723.7	732.3	750.1	770.4	785.9	807.0	830.3	863.8	896.4
17.5°	658.2	668.0	681.6	697.9	718.5	734.3	753.7	775.3	804.7	837.9	878.9
20°	631.5	639.7	656.4	674.3	696.1	712.8	733.4	754.4	784.8	820.2	863.0
22.5°	607.5	615.4	633.0	649.7	670.9	691.3	712.9	737.3	766.4	803.7	847.4
25°	570.4	580.9	596.5	613.6	633.8	657.2	680.5	702.3	733.4	772.7	819.4
27.5°	537.5	545.9	557.2	576.6	599.6	622.1	645.3	672.7	702.6	744.2	792.6
30°	516.3	524.1	535.4	553.3	574.7	598.8	622.9	649.4	680.5	721.7	771.2
32.5°	499.5	505.4	515.5	531.5	551.0	576.4	600.2	627.6	660.3	700.9	749.1
35°	474.7	479.7	483.6	498.8	516.3	539.7	563.8	593.0	624.5	663.0	711.2
37.5°	450.3	452.0	457.7	467.7	484.6	506.1	528.5	557.2	589.5	628.7	672.2
40°	435.4	436.2	439.7	449.0	463.8	484.0	505.8	534.2	564.9	601.9	645.1
42.5°	420.8	420.3	423.5	430.0	443.9	462.2	483.7	509.6	540.4	574.5	615.2
45°	397.6	397.6	396.9	402.3	413.6	431.5	449.4	474.3	500.0	533.4	567.7
47.5°	373.5	371.3	372.0	374.8	384.3	399.0	417.1	437.5	460.1	488.5	518.5
50°	358.0	354.8	353.7	356.8	365.3	378.2	395.3	413.2	434.6	459.5	485.2
52.5°	340.8	337.7	335.6	337.8	345.7	357.6	373.2	388.9	408.1	428.4	450.6
55°	314.4	310.9	309.7	310.5	316.3	325.7	338.9	353.3	367.7	384.4	400.0
57.5°	288.3	282.6	281.5	281.1	285.1	293.7	304.7	317.2	327.7	337.8	354.4
60°	271.2	264.2	261.9	261.5	264.6	271.6	281.7	294.1	301.5	308.5	322.9
62.5°	252.8	246.1	241.0	241.5	244.3	251.0	259.9	268.9	273.8	281.5	291.2
65°	224.5	215.9	212.0	210.9	212.4	217.9	224.9	230.7	236.2	239.3	248.6
67.5°	196.2	189.0	183.3	181.9	181.2	184.9	190.6	194.2	198.0	200.8	206.3
70°	176.3	170.0	163.0	160.7	160.3	163.4	168.9	169.3	174.7	175.9	181.7
72.5°	156.6	148.9	144.0	141.7	140.1	142.9	146.5	147.5	150.4	152.5	155.6
75°	126.1	120.2	115.6	112.1	110.9	112.4	112.4	114.4	116.3	117.5	121.0
77.5°	99.2	92.5	87.0	85.0	83.6	82.6	83.4	84.6	83.7	85.7	86.5
80°	80.5	73.5	69.3	68.5	66.1	64.2	63.8	65.0	63.4	64.2	66.5
82.5°	62.2	57.7	53.1	52.3	49.3	48.3	47.9	47.2	47.2	47.1	47.5
85°	37.0	34.2	31.1	29.2	28.0	26.1	26.1	25.3	24.5	23.7	24.1
87.5°	16.1	15.6	13.9	12.8	12.2	10.5	10.5	9.5	9.1	8.6	8.2
90°	6.0	6.4	5.7	4.9	4.9	2.8	2.8	2.5	2.1	1.1	0.4
92.5°	93.4	112.1	98.1	71.4	44.0	26.0	18.7	13.5	9.2	5.9	4.0
95°	296.2	288.0	217.4	132.9	74.9	44.2	29.3	20.9	16.3	12.7	11.7
97.5°	372.1	303.4	203.4	119.5	71.6	47.9	35.5	28.2	24.0	20.9	20.9
100°	374.6	284.2	184.5	112.4	72.5	51.6	40.3	33.6	29.3	26.9	26.9
102.5°	353.4	260.1	171.8	110.4	75.3	56.4	45.7	39.2	35.3	33.1	32.5
105°	314.9	231.8	160.8	111.3	82.0	65.0	54.8	48.4	44.2	42.4	41.4
107.5°	283.8	216.0	158.8	116.6	89.8	74.3	64.2	58.1	53.6	51.8	51.1
110°	268.3	210.6	159.4	120.5	95.8	80.2	70.7	64.3	60.1	58.3	57.6



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	259.5	208.1	161.1	124.8	101.4	86.4	76.9	70.5	66.6	64.5	63.8
115°	251.3	206.8	164.3	131.5	110.3	96.1	86.6	79.9	76.3	73.9	72.8
117.5°	247.6	206.4	167.8	138.3	118.8	105.4	95.5	89.2	85.3	83.1	82.1
120°	245.6	206.4	170.4	143.1	124.8	111.3	101.4	95.4	91.5	89.1	88.4
122.5°	243.4	206.1	172.9	147.7	130.4	117.0	107.4	100.8	97.2	94.7	94.0
125°	239.6	205.7	176.7	154.4	138.2	125.5	115.6	108.9	105.0	102.8	101.4
127.5°	234.6	204.9	179.8	160.3	145.4	133.1	123.1	116.1	111.7	109.1	108.0
130°	231.5	204.6	182.0	164.0	150.2	138.2	127.9	121.2	115.9	113.1	111.7
132.5°	228.7	204.4	184.0	167.7	154.2	142.1	132.5	125.2	120.2	116.5	115.4
135°	224.4	203.9	187.0	172.5	159.7	148.1	138.9	131.5	125.5	121.9	120.5
137.5°	220.8	203.9	188.7	175.9	164.0	153.1	144.3	136.6	130.9	127.0	125.7
140°	218.8	203.6	190.1	178.1	166.8	156.2	147.7	140.3	134.3	130.4	129.4
142.5°	217.1	203.6	191.3	179.8	169.4	159.0	150.8	143.7	138.0	134.4	133.3
145°	214.2	202.9	191.9	181.7	172.1	162.9	155.2	148.4	143.5	140.0	138.9
147.5°	211.6	201.6	192.3	183.3	174.9	166.3	159.3	153.7	148.7	145.5	145.2
150°	209.6	200.7	192.3	184.1	176.4	168.6	161.9	156.6	152.3	149.5	149.1
152.5°	207.3	199.3	191.7	184.7	177.5	170.6	164.4	159.7	155.7	152.9	152.8
155°	203.9	197.2	190.9	185.2	179.2	173.2	167.9	164.0	160.5	158.3	158.0
157.5°	200.5	195.0	189.9	185.2	180.4	175.3	171.1	167.7	165.0	163.0	163.0
160°	197.9	193.3	189.1	185.2	181.0	176.7	172.8	170.0	167.5	166.1	166.1
162.5°	195.7	191.6	188.2	185.2	181.5	177.6	174.5	172.0	169.8	168.7	168.9
165°	191.9	189.1	186.6	184.5	181.7	178.5	176.4	174.6	172.8	172.1	172.1
167.5°	188.5	186.5	184.9	183.6	181.6	179.3	177.6	176.6	175.3	174.9	175.3
170°	186.3	184.8	183.8	183.1	181.3	179.5	178.5	177.8	176.7	176.4	176.7
172.5°	184.3	183.1	182.7	182.5	181.0	179.8	179.0	178.6	177.8	177.8	178.1
175°	182.0	181.3	181.3	181.7	180.6	179.9	179.9	179.5	179.2	179.2	179.5
177.5°	180.5	180.2	180.2	180.7	180.2	179.9	179.9	179.9	179.6	179.9	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	945.5	948.6	952.6	959.5	962.0	965.1	969.4	969.1	970.4	975.0	985.0
5°	949.0	961.0	972.7	986.7	1001.5	1011.2	1024.5	1032.6	1040.8	1051.3	1069.2
7.5°	950.4	969.5	990.9	1015.5	1037.4	1062.6	1082.3	1100.8	1117.5	1139.7	1161.0
10°	948.2	973.9	1001.5	1032.6	1065.7	1093.7	1119.0	1147.8	1172.3	1199.1	1223.3
12.5°	944.1	975.1	1012.1	1046.9	1085.6	1127.0	1158.5	1187.6	1220.2	1251.1	1288.3
15°	935.0	977.4	1020.6	1066.5	1118.2	1166.1	1211.6	1249.3	1284.4	1330.7	1379.3
17.5°	923.3	969.0	1023.5	1079.1	1133.2	1187.9	1244.2	1300.9	1345.1	1402.6	1440.7
20°	912.4	965.3	1021.3	1087.5	1141.6	1209.7	1265.7	1320.5	1381.2	1438.4	1484.0
22.5°	897.1	955.0	1014.5	1080.3	1151.5	1219.6	1284.4	1343.9	1404.6	1466.8	1521.9
25°	877.8	930.3	1000.7	1075.4	1146.2	1220.2	1294.5	1369.2	1434.5	1500.3	1551.7
27.5°	844.8	911.1	976.7	1053.8	1132.5	1216.1	1295.6	1373.8	1442.2	1496.3	1528.2
30°	828.0	885.5	956.8	1034.2	1119.4	1209.3	1292.1	1368.8	1432.6	1475.8	1488.6
32.5°	803.1	862.5	932.2	1012.4	1102.6	1194.9	1281.2	1353.5	1406.8	1429.4	1413.9
35°	766.1	819.8	890.2	972.3	1066.1	1164.5	1249.7	1310.8	1338.1	1316.7	1263.3
37.5°	721.7	775.0	845.7	926.3	1023.4	1123.4	1200.5	1244.4	1235.4	1182.2	1102.7
40°	690.6	740.4	807.7	894.9	989.4	1089.8	1157.5	1181.3	1156.4	1080.1	995.7
42.5°	656.1	704.6	772.2	856.3	956.4	1049.0	1108.0	1110.0	1068.3	977.1	892.3
45°	603.5	649.8	713.6	801.1	893.7	980.9	1019.8	1000.7	923.7	835.7	750.5
47.5°	551.6	591.7	654.6	737.7	825.6	899.0	918.3	884.0	801.9	716.5	637.5
50°	513.6	554.1	613.2	692.6	777.4	840.8	850.1	804.6	724.1	638.1	576.2
52.5°	477.2	517.3	574.3	647.7	725.4	782.6	782.9	730.2	650.0	573.4	515.8
55°	423.7	459.9	511.3	577.0	646.3	691.0	680.1	625.6	556.0	489.5	439.3
57.5°	372.2	403.7	451.0	505.9	566.9	603.8	585.7	533.3	471.1	414.7	376.6
60°	338.9	368.8	409.3	461.1	512.4	541.2	524.1	476.6	419.4	373.9	340.8
62.5°	306.5	331.8	370.7	415.6	463.2	484.6	469.3	422.5	373.1	331.9	305.0
65°	260.7	281.3	312.4	351.0	385.6	403.9	391.0	347.4	309.7	280.1	258.7
67.5°	217.9	234.0	257.6	288.5	317.9	327.8	316.1	285.7	253.8	230.1	215.0
70°	188.3	203.5	223.3	247.1	272.7	283.3	271.6	247.5	221.4	199.6	184.8
72.5°	162.5	174.2	191.0	211.3	231.3	241.9	233.9	210.7	188.7	172.5	159.9
75°	123.7	133.8	145.5	159.9	175.5	182.5	175.5	159.5	144.3	132.3	123.3
77.5°	90.0	95.4	104.4	115.2	124.9	130.3	124.2	113.4	104.1	95.9	91.4
80°	68.5	72.4	78.6	87.2	93.8	98.8	94.9	86.0	78.6	73.1	71.2
82.5°	49.8	52.4	56.5	62.9	67.3	69.9	68.2	61.7	58.7	53.8	51.9
85°	24.5	26.1	28.8	30.7	34.6	35.0	35.4	32.7	30.0	28.8	27.2
87.5°	8.6	9.1	10.1	11.1	12.4	13.1	12.8	13.0	11.9	11.5	10.3
90°	1.1	2.1	2.5	2.8	2.8	4.9	4.9	5.7	6.4	6.0	6.4
92.5°	5.9	9.2	13.5	18.7	26.0	44.0	71.4	98.1	112.1	93.4	69.4
95°	12.7	16.3	20.9	29.3	44.2	74.9	132.9	217.4	288.0	296.2	261.9
97.5°	20.9	24.0	28.2	35.5	47.9	71.6	119.5	203.4	303.4	372.1	386.9
100°	26.9	29.3	33.6	40.3	51.6	72.5	112.4	184.5	284.2	374.6	426.2
102.5°	33.1	35.3	39.2	45.7	56.4	75.3	110.4	171.8	260.1	353.4	424.3
105°	42.4	44.2	48.4	54.8	65.0	82.0	111.3	160.8	231.8	314.9	395.8
107.5°	51.8	53.6	58.1	64.2	74.3	89.8	116.6	158.8	216.0	283.8	355.5
110°	58.3	60.1	64.3	70.7	80.2	95.8	120.5	159.4	210.6	268.3	331.2



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	64.5	66.6	70.5	76.9	86.4	101.4	124.8	161.1	208.1	259.5	313.3
115°	73.9	76.3	79.9	86.6	96.1	110.3	131.5	164.3	206.8	251.3	295.5
117.5°	83.1	85.3	89.2	95.5	105.4	118.8	138.3	167.8	206.4	247.6	286.7
120°	89.1	91.5	95.4	101.4	111.3	124.8	143.1	170.4	206.4	245.6	282.7
122.5°	94.7	97.2	100.8	107.4	117.0	130.4	147.7	172.9	206.1	243.4	279.3
125°	102.8	105.0	108.9	115.6	125.5	138.2	154.4	176.7	205.7	239.6	273.6
127.5°	109.1	111.7	116.1	123.1	133.1	145.4	160.3	179.8	204.9	234.6	266.5
130°	113.1	115.9	121.2	127.9	138.2	150.2	164.0	182.0	204.6	231.5	260.8
132.5°	116.5	120.2	125.2	132.5	142.1	154.2	167.7	184.0	204.4	228.7	254.9
135°	121.9	125.5	131.5	138.9	148.1	159.7	172.5	187.0	203.9	224.4	246.7
137.5°	127.0	130.9	136.6	144.3	153.1	164.0	175.9	188.7	203.9	220.8	239.3
140°	130.4	134.3	140.3	147.7	156.2	166.8	178.1	190.1	203.6	218.8	235.0
142.5°	134.4	138.0	143.7	150.8	159.0	169.4	179.8	191.3	203.6	217.1	231.1
145°	140.0	143.5	148.4	155.2	162.9	172.1	181.7	191.9	202.9	214.2	225.5
147.5°	145.5	148.7	153.7	159.3	166.3	174.9	183.3	192.3	201.6	211.6	220.9
150°	149.5	152.3	156.6	161.9	168.6	176.4	184.1	192.3	200.7	209.6	218.1
152.5°	152.9	155.7	159.7	164.4	170.6	177.5	184.7	191.7	199.3	207.3	215.0
155°	158.3	160.5	164.0	167.9	173.2	179.2	185.2	190.9	197.2	203.9	210.3
157.5°	163.0	165.0	167.7	171.1	175.3	180.4	185.2	189.9	195.0	200.5	205.3
160°	166.1	167.5	170.0	172.8	176.7	181.0	185.2	189.1	193.3	197.9	202.2
162.5°	168.7	169.8	172.0	174.5	177.6	181.5	185.2	188.2	191.6	195.7	199.1
165°	172.1	172.8	174.6	176.4	178.5	181.7	184.5	186.6	189.1	191.9	194.7
167.5°	174.9	175.3	176.6	177.6	179.3	181.6	183.6	184.9	186.5	188.5	190.6
170°	176.4	176.7	177.8	178.5	179.5	181.3	183.1	183.8	184.8	186.3	188.0
172.5°	177.8	177.8	178.6	179.0	179.8	181.0	182.5	182.7	183.1	184.3	185.8
175°	179.2	179.2	179.5	179.9	179.9	180.6	181.7	181.3	181.3	182.0	182.7
177.5°	179.9	179.6	179.9	179.9	179.9	180.2	180.7	180.2	180.2	180.5	180.7
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9	179.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	939.2	939.2	939.2	939.2	939.2	939.2	939.2
2.5°	990.0	990.6	993.4	995.6	996.2	999.3	999.6
5°	1077.0	1083.6	1096.4	1097.6	1099.5	1109.7	1101.9
7.5°	1178.9	1195.7	1206.9	1216.8	1220.4	1224.8	1223.9
10°	1244.3	1269.2	1281.6	1301.5	1302.3	1307.3	1304.2
12.5°	1310.0	1338.9	1361.6	1365.3	1381.9	1384.5	1388.9
15°	1403.0	1433.8	1465.3	1476.6	1499.5	1505.0	1513.5
17.5°	1490.5	1521.9	1544.0	1573.2	1582.6	1595.2	1586.7
20°	1538.4	1572.7	1600.7	1623.6	1633.4	1640.4	1639.6
22.5°	1567.4	1601.9	1624.6	1642.0	1651.1	1654.1	1653.9
25°	1585.5	1605.4	1612.4	1619.0	1608.9	1605.4	1606.9
27.5°	1535.1	1529.9	1511.7	1487.7	1462.8	1443.0	1432.3
30°	1465.7	1435.3	1407.7	1359.5	1334.5	1319.8	1306.5
32.5°	1367.3	1319.2	1266.1	1221.9	1193.5	1171.6	1168.3
35°	1198.8	1126.4	1061.4	1007.3	979.3	955.6	950.1
37.5°	1019.2	944.0	885.5	837.8	807.7	791.0	775.4
40°	899.9	835.4	777.8	737.3	714.4	702.3	692.6
42.5°	808.1	749.1	691.9	661.0	640.3	632.9	627.2
45°	681.3	626.4	586.7	563.4	551.3	538.9	533.0
47.5°	579.7	535.1	508.9	489.1	476.2	468.8	465.0
50°	522.1	485.6	462.2	447.1	435.4	429.5	426.4
52.5°	471.1	441.1	421.5	409.4	401.5	397.2	395.9
55°	405.8	382.9	370.4	359.9	354.1	350.2	348.6
57.5°	352.7	335.1	325.0	316.3	314.1	310.8	309.7
60°	317.9	304.3	295.7	289.9	287.9	284.0	284.8
62.5°	287.1	275.9	268.6	265.3	262.7	259.4	260.5
65°	242.8	234.6	230.7	227.6	224.5	222.6	224.1
67.5°	203.7	198.1	192.8	191.0	189.5	189.2	187.5
70°	178.2	173.5	168.9	167.7	167.7	166.1	165.7
72.5°	153.6	150.2	147.1	146.2	145.0	145.6	144.0
75°	118.7	115.9	114.8	113.6	113.2	113.2	112.1
77.5°	87.7	85.7	83.8	83.8	82.4	81.9	81.7
80°	66.5	65.8	64.2	64.2	63.4	63.8	63.0
82.5°	50.0	48.9	48.6	48.0	46.9	47.0	46.2
85°	26.8	25.7	25.3	24.1	23.3	24.1	23.3
87.5°	10.7	10.4	10.1	9.6	9.3	9.3	8.3
90°	6.7	7.1	7.1	7.4	7.8	7.4	7.4
92.5°	52.2	41.6	34.5	30.3	28.4	27.2	27.2
95°	207.1	159.7	125.5	108.1	97.2	90.8	86.2
97.5°	366.6	332.0	295.1	269.7	248.5	237.9	230.5
100°	433.3	416.0	389.8	359.1	337.5	326.9	324.1
102.5°	459.3	464.3	453.4	434.6	419.0	407.8	405.5
105°	457.0	492.0	506.5	507.2	504.3	499.4	497.3
107.5°	420.6	469.8	501.4	518.8	526.9	530.4	531.3
110°	392.3	443.6	482.4	507.5	522.4	528.7	531.9



TEST NUMBER: P332537

CATALOG NUMBER: SA4XXDIP-C575D365U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	367.4	415.8	454.7	483.2	501.2	510.1	515.2
115°	338.9	380.3	414.2	442.1	463.3	474.7	477.5
117.5°	322.7	355.2	384.0	407.8	425.6	437.0	439.2
120°	315.6	343.9	369.0	389.1	404.7	413.9	417.8
122.5°	311.1	336.8	358.8	375.8	389.1	396.9	400.8
125°	303.9	328.3	347.8	361.9	372.2	378.9	381.0
127.5°	295.5	319.9	338.3	352.5	361.6	367.3	369.4
130°	288.8	312.8	331.5	346.0	354.8	360.5	362.6
132.5°	281.1	304.6	323.3	337.5	347.5	352.9	355.0
135°	269.7	291.2	308.9	323.0	332.9	338.6	340.7
137.5°	258.7	276.9	292.8	306.1	315.8	320.5	323.0
140°	251.6	267.5	282.4	294.8	302.5	307.5	310.3
142.5°	245.7	259.3	272.2	283.2	290.4	294.8	296.7
145°	237.5	248.1	258.0	266.8	272.8	276.4	278.1
147.5°	230.4	238.9	246.7	253.2	258.4	261.0	261.7
150°	226.2	233.3	239.6	245.3	249.9	252.0	252.3
152.5°	222.0	228.5	233.7	238.5	242.2	243.5	243.9
155°	215.9	221.2	225.5	229.0	231.8	232.9	232.9
157.5°	210.0	214.5	217.9	220.5	222.7	223.3	223.3
160°	206.0	209.9	212.8	214.9	217.0	217.4	217.4
162.5°	202.4	205.4	208.0	209.5	211.6	212.0	211.7
165°	196.9	199.3	201.1	202.5	203.9	203.6	203.2
167.5°	192.2	194.2	195.2	195.9	196.9	196.8	196.5
170°	189.1	190.5	191.6	192.3	192.6	192.3	192.3
172.5°	186.5	187.4	188.2	188.6	188.9	188.6	188.0
175°	183.1	183.8	183.8	183.8	184.5	183.8	183.1
177.5°	181.0	181.0	181.3	181.0	181.3	180.7	180.2
180°	179.9	179.9	179.9	179.9	179.9	179.9	179.9

(END OF REPORT)