

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: P332897-935

Luminaire Tested: **SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332897-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

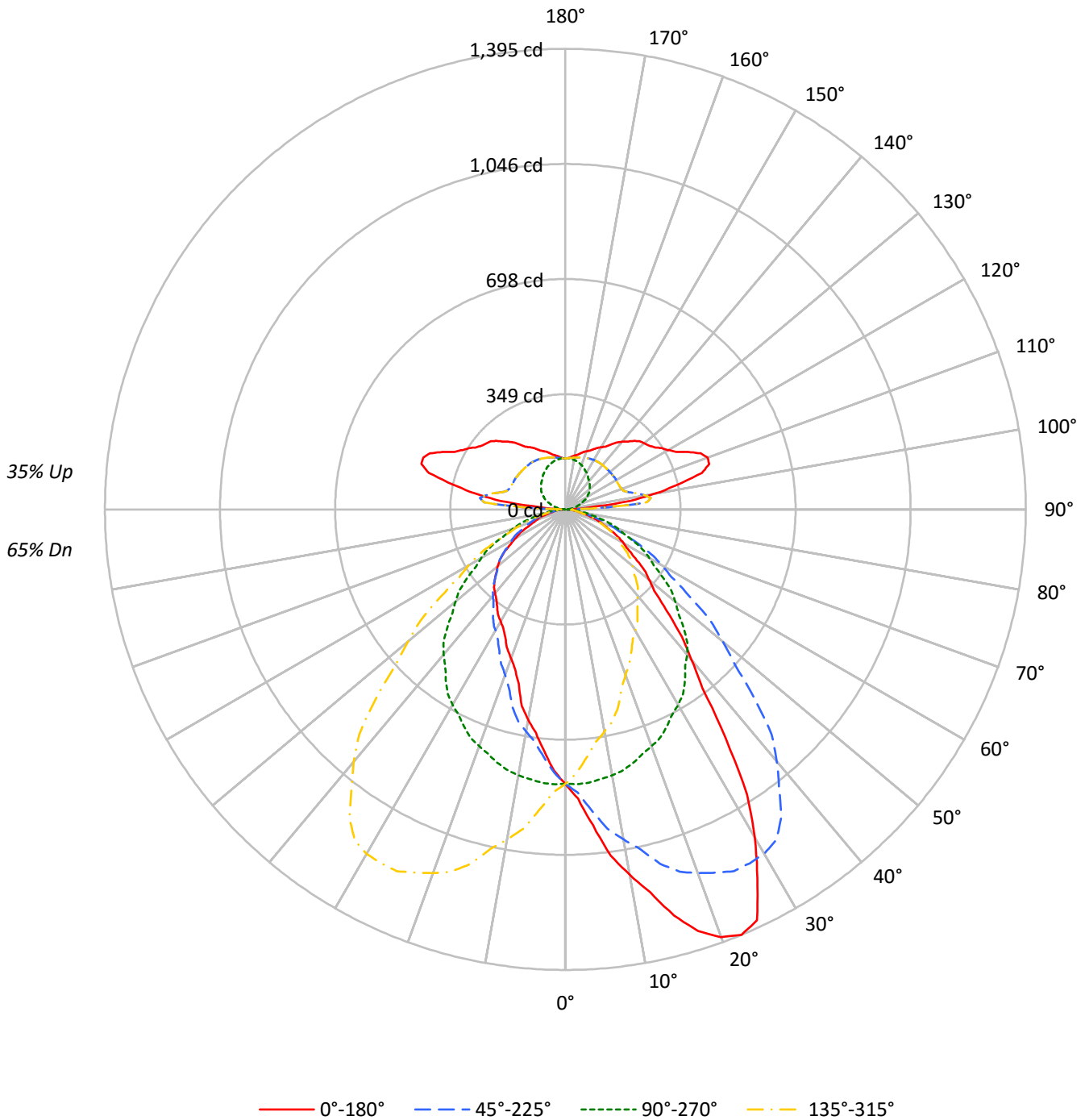
Lumens per Lamp: N/A
Luminaire Lumens: 3229.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

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	104	104	104	104	92	92	92	80	80	80	70	70	70	65				
1	102	98	94	90	96	92	89	86	81	79	77	72	70	68	63	62	60	56				
2	93	86	80	75	87	81	76	71	72	68	65	64	61	58	56	54	52	48				
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41				
4	78	68	60	54	74	64	57	52	57	52	47	51	47	43	45	42	39	36				
5	72	61	53	47	68	58	50	45	52	46	41	46	41	38	41	37	34	31				
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28				
7	62	50	42	36	58	47	40	35	43	37	32	38	33	30	34	30	27	25				
8	58	45	37	32	54	43	36	31	39	33	29	35	30	27	31	28	25	22				
9	54	41	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20				
10	50	38	31	26	47	36	30	25	33	27	24	30	25	22	27	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	2.5
10°-20°	243.0	7.5
20°-30°	380.1	11.8
30°-40°	422.5	13.1
40°-50°	374.9	11.6
50°-60°	292.1	9.0
60°-70°	191.3	5.9
70°-80°	94.1	2.9
80°-90°	24.1	0.7
90°-100°	111.9	3.5
100°-110°	232.8	7.2
110°-120°	208.5	6.5
120°-130°	175.4	5.4
130°-140°	146.3	4.5
140°-150°	111.7	3.5
150°-160°	78.5	2.4
160°-170°	46.2	1.4
170°-180°	15.0	0.5
0°-30°	703.7	21.8
0°-40°	1126.2	34.9
0°-60°	1793.2	55.5
0°-90°	2102.6	65.1
90°-120°	553.3	17.1
90°-150°	986.7	30.6
90°-180°	1126.0	34.9
0°-180°	3229.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	832	832	832	832	832	
5°	961	831	734	831	961	97
15°	1273	795	546	795	1273	362
25°	1373	727	430	727	1373	609
35°	846	631	360	631	846	530
45°	432	506	303	506	432	342
55°	258	362	226	362	258	235
65°	151	228	127	228	151	152
75°	70	112	60	112	70	77
85°	17	25	17	25	17	19
90°	6	0	6	0	6	6
95°	74	10	74	10	74	115
105°	428	36	428	36	428	423
115°	411	63	411	63	411	408
125°	328	87	328	87	328	298
135°	293	104	293	104	293	226
145°	239	120	239	120	239	152
155°	200	136	200	136	200	94
165°	175	148	175	148	175	50
175°	158	154	158	154	158	15
180°	155	155	155	155	155	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	877.0	879.4	877.0	876.8	874.1	873.3	872.2	868.7	862.3	858.5	859.4
5°	960.8	969.1	964.5	963.8	956.4	949.1	944.3	933.7	922.2	914.6	908.2
7.5°	1057.7	1062.5	1059.5	1054.8	1042.9	1036.1	1025.3	1011.2	990.8	975.1	960.9
10°	1123.6	1127.6	1126.3	1117.6	1108.9	1091.1	1081.1	1061.3	1035.4	1015.0	995.9
12.5°	1188.4	1192.7	1180.9	1181.4	1164.8	1150.8	1134.9	1110.1	1080.2	1053.9	1030.0
15°	1273.0	1267.7	1267.7	1260.9	1242.5	1223.1	1206.7	1180.5	1143.0	1111.6	1078.4
17.5°	1339.2	1341.1	1338.3	1322.5	1308.0	1288.0	1257.8	1227.4	1192.5	1150.2	1116.4
20°	1378.9	1378.9	1375.9	1365.1	1346.3	1324.9	1292.4	1259.3	1215.0	1172.5	1134.3
22.5°	1394.9	1396.0	1392.5	1383.6	1366.8	1345.8	1318.2	1284.4	1238.9	1191.0	1143.7
25°	1372.9	1379.1	1379.8	1377.5	1372.5	1359.8	1336.0	1301.5	1260.6	1208.7	1157.8
27.5°	1260.4	1268.4	1275.5	1287.0	1302.4	1310.5	1311.6	1294.0	1258.4	1208.4	1157.2
30°	1148.4	1155.0	1176.8	1205.3	1227.4	1247.5	1265.0	1269.6	1249.6	1204.6	1150.7
32.5°	1024.0	1033.1	1054.9	1085.5	1122.4	1156.4	1195.6	1215.5	1215.0	1188.0	1138.2
35°	845.5	852.2	872.4	904.5	948.7	999.3	1061.3	1109.5	1142.4	1140.0	1109.5
37.5°	681.9	689.5	709.8	736.5	779.4	842.0	902.0	968.5	1029.2	1063.2	1053.0
40°	593.0	593.3	613.0	640.5	680.7	735.3	800.6	874.3	942.0	997.3	1008.0
42.5°	522.7	522.8	535.9	565.5	594.4	645.8	708.2	781.4	860.6	924.4	952.8
45°	432.1	435.1	445.9	463.6	486.4	529.9	579.9	647.9	736.7	812.4	859.6
47.5°	365.9	370.4	377.2	391.7	409.8	438.9	480.1	541.2	613.5	696.7	764.0
50°	331.7	332.3	341.0	349.0	364.8	388.0	424.1	475.0	541.4	621.4	696.1
52.5°	302.2	302.0	307.3	317.5	330.3	348.3	377.5	423.9	482.7	554.4	631.5
55°	258.0	259.6	263.6	271.6	281.4	294.1	317.3	352.1	398.3	459.6	529.6
57.5°	224.3	225.2	228.3	231.8	240.6	249.9	267.3	291.4	330.5	380.6	445.9
60°	202.3	202.7	203.7	208.7	215.8	224.5	236.2	256.6	289.5	335.4	386.9
62.5°	180.9	181.5	183.0	186.8	192.2	198.2	210.4	226.9	254.1	293.3	339.8
65°	150.8	151.1	153.4	154.8	159.1	164.5	173.5	184.6	203.4	236.2	271.4
67.5°	126.0	126.0	126.1	127.9	131.0	134.5	139.9	148.8	162.9	183.0	214.0
70°	109.9	109.9	110.6	111.6	113.2	116.2	119.2	126.0	136.4	152.7	176.5
72.5°	94.9	95.1	95.8	96.0	96.9	99.4	101.6	105.8	113.6	126.0	145.2
75°	69.7	70.7	72.3	73.7	75.3	75.1	77.4	80.1	82.4	89.8	100.8
77.5°	51.8	51.3	51.5	52.7	52.9	53.2	54.8	56.9	58.7	62.2	66.1
80°	39.5	39.5	40.6	40.9	40.6	40.9	42.5	43.6	44.3	45.5	49.2
82.5°	29.9	30.4	30.0	30.4	30.7	31.0	32.4	32.5	33.2	33.8	35.3
85°	16.8	17.0	17.4	16.8	16.8	16.8	17.4	17.7	18.4	18.1	18.8
87.5°	7.1	6.9	7.2	7.1	7.4	7.1	7.3	7.8	7.2	7.5	7.4
90°	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5	5.2	5.5	4.9
92.5°	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8	80.4	96.5	84.5
95°	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5	255.0	248.0	187.2
97.5°	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1	320.4	261.2	175.1
100°	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0	322.5	244.7	158.9
102.5°	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3	304.3	223.9	147.9
105°	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8	271.1	199.6	138.4
107.5°	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1	244.4	186.0	136.7
110°	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2	231.0	181.3	137.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8	223.4	179.2	138.7
115°	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4	216.4	178.1	141.5
117.5°	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8	213.2	177.7	144.5
120°	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4	211.5	177.7	146.7
122.5°	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5	209.6	177.5	148.9
125°	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6	206.3	177.1	152.1
127.5°	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5	202.0	176.4	154.8
130°	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5	199.3	176.2	156.7
132.5°	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5	196.9	176.0	158.4
135°	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4	193.2	175.6	161.0
137.5°	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0	190.1	175.6	162.5
140°	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3	188.4	175.3	163.7
142.5°	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0	186.9	175.3	164.7
145°	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2	184.4	174.7	165.2
147.5°	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2	182.2	173.6	165.6
150°	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8	180.5	172.8	165.6
152.5°	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1	178.5	171.6	165.1
155°	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1	175.6	169.8	164.4
157.5°	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8	172.6	167.9	163.5
160°	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1	170.4	166.4	162.8
162.5°	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4	168.5	165.0	162.0
165°	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6	165.2	162.8	160.7
167.5°	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1	162.3	160.6	159.2
170°	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9	160.4	159.1	158.3
172.5°	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0	158.7	157.6	157.3
175°	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3	156.7	156.1	156.1
177.5°	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6	155.4	155.2	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	856.7	852.9	851.0	846.7	841.6	839.0	836.5	833.1	828.5	823.7	820.2
5°	900.2	892.1	882.0	870.0	859.3	848.9	839.8	830.8	820.4	809.7	799.0
7.5°	944.8	928.9	911.9	892.1	872.9	855.4	839.3	823.9	806.5	790.8	776.6
10°	975.9	954.4	930.7	905.5	880.4	858.6	837.2	817.7	796.3	777.2	761.1
12.5°	1001.1	975.9	947.3	915.9	885.7	859.4	834.7	809.4	785.1	764.3	742.9
15°	1042.8	1008.3	969.8	932.3	893.1	857.3	824.1	794.6	766.8	737.7	717.2
17.5°	1071.6	1030.6	983.9	938.7	892.4	850.2	811.9	776.8	744.7	715.0	690.6
20°	1088.7	1043.5	991.6	940.3	888.4	843.2	802.0	763.1	730.0	697.8	672.7
22.5°	1098.4	1048.4	991.6	937.9	884.2	835.2	790.0	749.5	713.3	681.2	653.4
25°	1101.5	1047.8	989.9	928.2	869.4	817.4	770.5	726.6	686.4	654.3	624.7
27.5°	1097.2	1034.1	974.7	911.5	850.7	795.9	746.7	700.5	660.3	625.8	595.6
30°	1090.7	1023.1	959.4	893.8	832.2	779.5	727.6	683.4	641.5	605.7	575.2
32.5°	1076.9	1009.7	941.2	873.9	811.5	757.3	708.1	663.6	622.5	585.8	553.5
35°	1049.2	981.2	906.8	837.8	776.5	720.2	674.0	631.1	591.9	552.8	518.6
37.5°	1012.8	943.4	869.4	793.8	732.5	679.3	636.9	596.7	558.4	522.6	484.7
40°	978.5	915.2	838.9	763.8	700.9	649.5	610.4	573.9	535.4	499.8	461.9
42.5°	937.0	883.0	805.9	730.6	668.4	619.0	582.5	546.8	511.8	477.3	437.8
45°	867.6	826.8	754.4	682.1	619.4	570.5	537.0	505.5	474.7	441.9	404.7
47.5°	788.2	760.5	698.1	624.0	566.0	522.0	489.7	463.9	437.8	405.0	372.4
50°	733.0	715.2	655.0	587.3	532.0	491.5	458.3	434.1	412.4	380.9	351.7
52.5°	674.0	664.6	613.6	548.9	495.5	455.8	427.5	405.8	383.7	357.6	330.3
55°	584.3	589.3	546.0	490.1	439.9	406.4	380.6	362.5	343.7	321.6	300.5
57.5°	492.4	510.8	481.8	432.7	385.6	354.6	335.2	319.9	304.3	285.9	267.9
60°	437.5	452.9	436.5	393.3	352.1	323.3	305.2	293.4	277.7	261.0	247.2
62.5°	383.9	400.4	390.6	355.8	317.5	292.7	276.8	265.9	254.2	239.5	225.2
65°	316.6	327.3	322.6	298.5	271.4	250.2	235.5	227.5	216.7	206.0	193.3
67.5°	242.5	263.2	260.5	247.6	224.2	207.7	198.0	191.0	181.2	173.2	164.5
70°	199.3	218.4	218.1	207.7	194.9	179.5	172.9	166.9	158.1	150.4	143.4
72.5°	163.2	180.6	183.2	175.3	166.6	154.9	148.4	144.3	135.9	130.6	124.8
75°	114.3	127.0	130.4	130.4	126.3	120.3	114.6	111.9	105.8	101.2	97.8
77.5°	74.9	82.9	88.2	89.4	90.0	88.0	83.3	81.4	76.8	75.1	71.9
80°	53.0	58.3	64.3	66.3	68.0	67.3	65.3	64.0	59.7	57.9	56.7
82.5°	36.6	39.5	44.5	48.9	48.5	50.2	48.5	47.4	44.1	43.5	42.1
85°	19.1	19.5	20.1	23.1	24.8	25.5	25.8	25.1	24.1	24.1	21.8
87.5°	7.3	7.0	7.1	7.1	7.4	8.4	9.0	9.2	8.5	7.8	7.1
90°	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3	0.9	1.8	2.2
92.5°	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4	5.1	7.9	11.6
95°	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1	10.9	14.0	18.0
97.5°	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0	18.0	20.7	24.3
100°	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2	23.2	25.2	28.9
102.5°	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0	28.5	30.4	33.8
105°	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6	36.5	38.1	41.7
107.5°	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0	44.6	46.1	50.0
110°	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6	50.2	51.7	55.4



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9	55.5	57.3	60.7
115°	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7	63.6	65.7	68.8
117.5°	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7	71.5	73.4	76.8
120°	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1	76.7	78.8	82.1
122.5°	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9	81.5	83.7	86.8
125°	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3	88.5	90.4	93.8
127.5°	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0	93.9	96.2	100.0
130°	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2	97.4	99.8	104.4
132.5°	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4	100.3	103.5	107.8
135°	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8	105.0	108.1	113.2
137.5°	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2	109.3	112.7	117.6
140°	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4	112.3	115.6	120.8
142.5°	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8	115.7	118.8	123.7
145°	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6	120.5	123.6	127.8
147.5°	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0	125.3	128.0	132.3
150°	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4	128.7	131.1	134.8
152.5°	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6	131.6	134.1	137.5
155°	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0	136.3	138.2	141.2
157.5°	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3	140.3	142.1	144.4
160°	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0	143.0	144.2	146.4
162.5°	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4	145.3	146.2	148.1
165°	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2	148.2	148.8	150.3
167.5°	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9	150.6	150.9	152.1
170°	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1	151.9	152.1	153.1
172.5°	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3	153.1	153.1	153.8
175°	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5	154.3	154.3	154.5
177.5°	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2	154.9	154.6	154.9
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	816.5	813.8	810.3	806.2	801.4	797.2	795.3	796.9	797.7	795.6	795.3
5°	791.6	783.3	776.5	766.5	758.5	751.7	747.0	745.0	745.7	740.4	739.0
7.5°	763.6	753.7	742.8	730.8	719.7	709.9	704.7	701.9	696.2	693.8	689.7
10°	745.7	732.3	721.6	707.5	694.8	683.0	677.3	672.7	667.0	664.3	658.6
12.5°	727.2	711.7	699.9	685.3	672.3	658.1	652.7	644.0	635.1	629.5	622.2
15°	701.1	682.4	668.0	650.6	635.2	619.1	604.7	588.6	582.6	569.8	562.5
17.5°	670.6	651.6	633.8	610.4	586.7	566.7	551.3	536.0	526.7	518.6	514.8
20°	650.6	633.2	608.4	581.3	554.7	532.6	520.2	510.2	500.2	494.5	490.4
22.5°	631.5	609.3	580.5	551.2	524.8	507.5	497.0	486.6	478.5	473.0	467.7
25°	599.7	570.5	540.0	506.5	488.4	473.4	461.9	453.6	448.6	441.5	438.9
27.5°	566.9	531.6	497.9	475.4	456.6	442.8	432.9	426.6	420.3	415.7	412.2
30°	541.7	505.8	475.7	454.3	435.1	423.8	415.7	408.4	403.4	399.7	397.0
32.5°	516.8	481.0	455.6	432.6	417.5	406.4	397.8	392.3	388.3	383.6	381.9
35°	480.7	448.9	426.8	406.0	390.6	380.6	373.8	368.2	364.8	363.5	362.5
37.5°	446.1	420.0	396.2	379.2	365.5	357.6	349.7	346.9	344.6	342.2	343.3
40°	424.1	399.7	378.6	360.5	349.4	340.7	336.0	332.7	330.6	330.6	330.6
42.5°	405.1	381.2	360.6	344.4	333.3	326.0	320.7	317.9	317.3	316.9	318.6
45°	375.6	353.4	332.7	319.3	309.9	302.5	299.5	297.1	297.1	298.5	298.9
47.5°	346.3	325.5	308.8	293.9	285.2	280.7	278.0	276.8	277.0	278.3	279.8
50°	328.3	307.9	291.4	278.0	270.0	265.6	263.3	262.6	263.3	263.3	265.6
52.5°	308.8	290.4	274.3	263.0	253.9	249.9	248.6	247.6	248.1	249.1	250.1
55°	280.1	263.6	248.2	237.5	230.8	228.2	225.2	225.5	224.8	225.5	225.5
57.5°	251.3	236.6	222.2	213.7	207.8	204.0	200.7	201.6	200.6	200.4	199.9
60°	232.8	216.7	205.3	197.7	191.0	187.6	184.6	185.3	184.3	183.6	182.3
62.5°	212.8	199.3	188.5	181.1	175.6	171.8	168.8	168.1	165.7	163.5	160.5
65°	183.6	172.5	162.8	155.8	150.8	147.7	145.4	143.4	138.4	133.0	130.4
67.5°	155.2	147.2	138.2	132.2	128.2	124.2	119.8	116.3	111.6	108.7	107.0
70°	137.0	129.3	121.6	115.9	111.6	107.9	102.8	100.5	97.1	95.8	94.1
72.5°	119.6	112.4	105.2	100.1	95.5	92.6	88.7	86.3	84.8	84.3	82.6
75°	93.2	87.5	82.1	77.4	73.7	71.7	70.0	68.4	67.7	64.7	62.9
77.5°	67.9	64.1	60.9	57.5	54.8	53.6	50.3	48.4	47.3	45.8	45.5
80°	53.0	50.3	46.9	44.9	41.2	39.9	38.5	38.2	37.9	37.5	37.2
82.5°	39.8	37.1	33.8	32.5	31.6	30.7	30.0	29.6	29.3	29.4	29.4
85°	20.1	18.8	18.8	18.4	18.1	17.7	17.4	17.4	17.0	17.4	17.0
87.5°	7.1	6.9	7.3	6.7	7.1	7.2	6.9	7.0	7.3	6.9	6.9
90°	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5	5.8	6.1	6.1
92.5°	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8	44.9	35.8	29.7
95°	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5	178.3	137.5	108.1
97.5°	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1	315.6	285.9	254.1
100°	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0	373.1	358.2	335.6
102.5°	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3	395.5	399.8	390.4
105°	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8	393.5	423.6	436.1
107.5°	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1	362.1	404.5	431.7
110°	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2	337.8	381.9	415.3



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8	316.3	358.0	391.5
115°	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4	291.8	327.4	356.6
117.5°	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8	277.8	305.8	330.6
120°	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4	271.7	296.1	317.7
122.5°	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5	267.9	290.0	308.9
125°	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6	261.7	282.7	299.5
127.5°	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5	254.4	275.4	291.3
130°	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5	248.7	269.3	285.4
132.5°	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5	242.0	262.3	278.4
135°	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4	232.2	250.7	266.0
137.5°	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0	222.7	238.4	252.1
140°	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3	216.6	230.3	243.1
142.5°	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0	211.5	223.3	234.4
145°	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2	204.5	213.6	222.1
147.5°	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2	198.4	205.7	212.4
150°	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8	194.8	200.9	206.3
152.5°	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1	191.1	196.7	201.2
155°	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1	185.9	190.5	194.2
157.5°	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8	180.8	184.7	187.6
160°	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1	177.4	180.7	183.2
162.5°	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4	174.3	176.8	179.1
165°	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6	169.5	171.6	173.1
167.5°	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1	165.5	167.2	168.1
170°	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9	162.8	164.0	165.0
172.5°	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0	160.6	161.4	162.0
175°	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3	157.6	158.3	158.3
177.5°	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6	155.8	155.8	156.1
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	793.7	794.2	792.4	791.8	792.4	794.2	793.7	795.3	795.6	797.7	796.9
5°	736.3	735.6	734.0	734.3	734.0	735.6	736.3	739.0	740.4	745.7	745.0
7.5°	687.3	684.7	685.4	682.7	685.4	684.7	687.3	689.7	693.8	696.2	701.9
10°	657.3	653.6	650.6	647.9	650.6	653.6	657.3	658.6	664.3	667.0	672.7
12.5°	616.3	613.1	609.0	609.8	609.0	613.1	616.3	622.2	629.5	635.1	644.0
15°	558.1	553.1	545.0	546.0	545.0	553.1	558.1	562.5	569.8	582.6	588.6
17.5°	508.9	508.9	505.2	506.1	505.2	508.9	508.9	514.8	518.6	526.7	536.0
20°	483.4	481.0	481.4	480.4	481.4	481.0	483.4	490.4	494.5	500.2	510.2
22.5°	465.7	462.9	460.5	458.4	460.5	462.9	465.7	467.7	473.0	478.5	486.6
25°	435.8	433.9	430.8	430.2	430.8	433.9	435.8	438.9	441.5	448.6	453.6
27.5°	409.6	409.1	407.9	406.4	407.9	409.1	409.6	412.2	415.7	420.3	426.6
30°	394.3	393.6	393.0	391.9	393.0	393.6	394.3	397.0	399.7	403.4	408.4
32.5°	380.6	380.2	379.5	379.6	379.5	380.2	380.6	381.9	383.6	388.3	392.3
35°	361.1	360.8	360.2	359.8	360.2	360.8	361.1	362.5	363.5	364.8	368.2
37.5°	342.9	343.8	343.4	343.3	343.4	343.8	342.9	343.3	342.2	344.6	346.9
40°	330.3	330.6	331.3	331.0	331.3	330.6	330.3	330.6	330.6	330.6	332.7
42.5°	319.9	319.9	320.9	319.7	320.9	319.9	319.9	318.6	316.9	317.3	317.9
45°	301.2	303.2	302.8	302.8	302.8	303.2	301.2	298.9	298.5	297.1	297.1
47.5°	280.7	282.5	282.9	282.8	282.9	282.5	280.7	279.8	278.3	277.0	276.8
50°	267.3	266.7	267.7	267.3	267.7	266.7	267.3	265.6	263.3	263.3	262.6
52.5°	251.0	251.2	251.1	250.7	251.1	251.2	251.0	250.1	249.1	248.1	247.6
55°	225.8	226.1	225.5	225.8	225.5	226.1	225.8	225.5	225.5	224.8	225.5
57.5°	198.5	196.8	197.5	196.7	197.5	196.8	198.5	199.9	200.4	200.6	201.6
60°	178.9	176.2	175.6	174.2	175.6	176.2	178.9	182.3	183.6	184.3	185.3
62.5°	156.9	155.1	152.7	153.9	152.7	155.1	156.9	160.5	163.5	165.7	168.1
65°	127.6	126.3	125.3	126.7	125.3	126.3	127.6	130.4	133.0	138.4	143.4
67.5°	105.6	105.0	105.0	104.3	105.0	105.0	105.6	107.0	108.7	111.6	116.3
70°	94.1	93.2	93.2	92.5	93.2	93.2	94.1	94.1	95.8	97.1	100.5
72.5°	82.3	81.4	81.6	81.2	81.6	81.4	82.3	82.6	84.3	84.8	86.3
75°	61.0	59.3	59.3	59.7	59.3	59.3	61.0	62.9	64.7	67.7	68.4
77.5°	45.5	45.1	45.6	45.0	45.6	45.1	45.5	45.5	45.8	47.3	48.4
80°	37.2	36.9	36.5	37.5	36.5	36.9	37.2	37.2	37.5	37.9	38.2
82.5°	28.8	28.8	28.8	30.0	28.8	28.8	28.8	29.4	29.4	29.3	29.6
85°	17.4	16.8	17.4	16.8	17.4	16.8	17.4	17.0	17.4	17.0	17.4
87.5°	7.4	7.2	6.9	7.1	6.9	7.2	7.4	6.9	6.9	7.3	7.0
90°	6.4	6.7	6.4	6.4	6.4	6.7	6.4	6.1	6.1	5.8	5.5
92.5°	26.1	24.5	23.4	23.4	23.4	24.5	26.1	29.7	35.8	44.9	59.8
95°	93.1	83.7	78.2	74.2	78.2	83.7	93.1	108.1	137.5	178.3	225.5
97.5°	232.2	214.0	204.8	198.5	204.8	214.0	232.2	254.1	285.9	315.6	333.1
100°	309.2	290.6	281.5	279.1	281.5	290.6	309.2	335.6	358.2	373.1	367.0
102.5°	374.2	360.8	351.1	349.1	351.1	360.8	374.2	390.4	399.8	395.5	365.3
105°	436.7	434.2	430.0	428.2	430.0	434.2	436.7	436.1	423.6	393.5	340.8
107.5°	446.7	453.7	456.7	457.4	456.7	453.7	446.7	431.7	404.5	362.1	306.1
110°	437.0	449.8	455.2	458.0	455.2	449.8	437.0	415.3	381.9	337.8	285.2



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	416.0	431.5	439.2	443.6	439.2	431.5	416.0	391.5	358.0	316.3	269.8
115°	380.6	398.9	408.7	411.1	408.7	398.9	380.6	356.6	327.4	291.8	254.4
117.5°	351.1	366.4	376.3	378.2	376.3	366.4	351.1	330.6	305.8	277.8	246.8
120°	335.0	348.4	356.4	359.7	356.4	348.4	335.0	317.7	296.1	271.7	243.4
122.5°	323.6	335.0	341.7	345.1	341.7	335.0	323.6	308.9	290.0	267.9	240.5
125°	311.6	320.5	326.2	328.0	326.2	320.5	311.6	299.5	282.7	261.7	235.6
127.5°	303.5	311.3	316.2	318.1	316.2	311.3	303.5	291.3	275.4	254.4	229.5
130°	297.9	305.5	310.4	312.2	310.4	305.5	297.9	285.4	269.3	248.7	224.5
132.5°	290.6	299.2	303.8	305.7	303.8	299.2	290.6	278.4	262.3	242.0	219.5
135°	278.1	286.6	291.5	293.3	291.5	286.6	278.1	266.0	250.7	232.2	212.4
137.5°	263.6	271.9	276.0	278.1	276.0	271.9	263.6	252.1	238.4	222.7	206.0
140°	253.8	260.5	264.8	267.2	264.8	260.5	253.8	243.1	230.3	216.6	202.3
142.5°	243.8	250.0	253.8	255.5	253.8	250.0	243.8	234.4	223.3	211.5	199.0
145°	229.7	234.9	238.0	239.4	238.0	234.9	229.7	222.1	213.6	204.5	194.2
147.5°	218.0	222.5	224.7	225.3	224.7	222.5	218.0	212.4	205.7	198.4	190.2
150°	211.2	215.2	217.0	217.2	217.0	215.2	211.2	206.3	200.9	194.8	187.8
152.5°	205.3	208.5	209.7	210.0	209.7	208.5	205.3	201.2	196.7	191.1	185.1
155°	197.2	199.6	200.5	200.5	200.5	199.6	197.2	194.2	190.5	185.9	181.1
157.5°	189.9	191.7	192.3	192.3	192.3	191.7	189.9	187.6	184.7	180.8	176.8
160°	185.0	186.8	187.2	187.2	187.2	186.8	185.0	183.2	180.7	177.4	174.1
162.5°	180.4	182.2	182.5	182.3	182.5	182.2	180.4	179.1	176.8	174.3	171.4
165°	174.4	175.6	175.3	175.0	175.3	175.6	174.4	173.1	171.6	169.5	167.6
167.5°	168.7	169.5	169.4	169.2	169.4	169.5	168.7	168.1	167.2	165.5	164.1
170°	165.6	165.8	165.6	165.6	165.6	165.8	165.6	165.0	164.0	162.8	161.9
172.5°	162.4	162.6	162.4	161.9	162.4	162.6	162.4	162.0	161.4	160.6	160.0
175°	158.3	158.9	158.3	157.6	158.3	158.9	158.3	158.3	158.3	157.6	157.3
177.5°	155.8	156.1	155.6	155.2	155.6	156.1	155.8	156.1	155.8	155.8	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	795.3	797.2	801.4	806.2	810.3	813.8	816.5	820.2	823.7	828.5	833.1
5°	747.0	751.7	758.5	766.5	776.5	783.3	791.6	799.0	809.7	820.4	830.8
7.5°	704.7	709.9	719.7	730.8	742.8	753.7	763.6	776.6	790.8	806.5	823.9
10°	677.3	683.0	694.8	707.5	721.6	732.3	745.7	761.1	777.2	796.3	817.7
12.5°	652.7	658.1	672.3	685.3	699.9	711.7	727.2	742.9	764.3	785.1	809.4
15°	604.7	619.1	635.2	650.6	668.0	682.4	701.1	717.2	737.7	766.8	794.6
17.5°	551.3	566.7	586.7	610.4	633.8	651.6	670.6	690.6	715.0	744.7	776.8
20°	520.2	532.6	554.7	581.3	608.4	633.2	650.6	672.7	697.8	730.0	763.1
22.5°	497.0	507.5	524.8	551.2	580.5	609.3	631.5	653.4	681.2	713.3	749.5
25°	461.9	473.4	488.4	506.5	540.0	570.5	599.7	624.7	654.3	686.4	726.6
27.5°	432.9	442.8	456.6	475.4	497.9	531.6	566.9	595.6	625.8	660.3	700.5
30°	415.7	423.8	435.1	454.3	475.7	505.8	541.7	575.2	605.7	641.5	683.4
32.5°	397.8	406.4	417.5	432.6	455.6	481.0	516.8	553.5	585.8	622.5	663.6
35°	373.8	380.6	390.6	406.0	426.8	448.9	480.7	518.6	552.8	591.9	631.1
37.5°	349.7	357.6	365.5	379.2	396.2	420.0	446.1	484.7	522.6	558.4	596.7
40°	336.0	340.7	349.4	360.5	378.6	399.7	424.1	461.9	499.8	535.4	573.9
42.5°	320.7	326.0	333.3	344.4	360.6	381.2	405.1	437.8	477.3	511.8	546.8
45°	299.5	302.5	309.9	319.3	332.7	353.4	375.6	404.7	441.9	474.7	505.5
47.5°	278.0	280.7	285.2	293.9	308.8	325.5	346.3	372.4	405.0	437.8	463.9
50°	263.3	265.6	270.0	278.0	291.4	307.9	328.3	351.7	380.9	412.4	434.1
52.5°	248.6	249.9	253.9	263.0	274.3	290.4	308.8	330.3	357.6	383.7	405.8
55°	225.2	228.2	230.8	237.5	248.2	263.6	280.1	300.5	321.6	343.7	362.5
57.5°	200.7	204.0	207.8	213.7	222.2	236.6	251.3	267.9	285.9	304.3	319.9
60°	184.6	187.6	191.0	197.7	205.3	216.7	232.8	247.2	261.0	277.7	293.4
62.5°	168.8	171.8	175.6	181.1	188.5	199.3	212.8	225.2	239.5	254.2	265.9
65°	145.4	147.7	150.8	155.8	162.8	172.5	183.6	193.3	206.0	216.7	227.5
67.5°	119.8	124.2	128.2	132.2	138.2	147.2	155.2	164.5	173.2	181.2	191.0
70°	102.8	107.9	111.6	115.9	121.6	129.3	137.0	143.4	150.4	158.1	166.9
72.5°	88.7	92.6	95.5	100.1	105.2	112.4	119.6	124.8	130.6	135.9	144.3
75°	70.0	71.7	73.7	77.4	82.1	87.5	93.2	97.8	101.2	105.8	111.9
77.5°	50.3	53.6	54.8	57.5	60.9	64.1	67.9	71.9	75.1	76.8	81.4
80°	38.5	39.9	41.2	44.9	46.9	50.3	53.0	56.7	57.9	59.7	64.0
82.5°	30.0	30.7	31.6	32.5	33.8	37.1	39.8	42.1	43.5	44.1	47.4
85°	17.4	17.7	18.1	18.4	18.8	18.8	20.1	21.8	24.1	24.1	25.1
87.5°	6.9	7.2	7.1	6.7	7.3	6.9	7.1	7.1	7.8	8.5	9.2
90°	5.2	5.5	4.9	4.2	4.2	2.4	2.4	2.2	1.8	0.9	0.3
92.5°	80.4	96.5	84.5	61.5	37.9	22.4	16.1	11.6	7.9	5.1	3.4
95°	255.0	248.0	187.2	114.4	64.5	38.1	25.2	18.0	14.0	10.9	10.1
97.5°	320.4	261.2	175.1	102.9	61.6	41.2	30.6	24.3	20.7	18.0	18.0
100°	322.5	244.7	158.9	96.8	62.4	44.4	34.7	28.9	25.2	23.2	23.2
102.5°	304.3	223.9	147.9	95.1	64.8	48.6	39.3	33.8	30.4	28.5	28.0
105°	271.1	199.6	138.4	95.8	70.6	56.0	47.2	41.7	38.1	36.5	35.6
107.5°	244.4	186.0	136.7	100.4	77.3	64.0	55.3	50.0	46.1	44.6	44.0
110°	231.0	181.3	137.2	103.8	82.5	69.1	60.9	55.4	51.7	50.2	49.6



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	223.4	179.2	138.7	107.5	87.3	74.4	66.2	60.7	57.3	55.5	54.9
115°	216.4	178.1	141.5	113.2	95.0	82.7	74.6	68.8	65.7	63.6	62.7
117.5°	213.2	177.7	144.5	119.1	102.3	90.7	82.2	76.8	73.4	71.5	70.7
120°	211.5	177.7	146.7	123.2	107.5	95.8	87.3	82.1	78.8	76.7	76.1
122.5°	209.6	177.5	148.9	127.2	112.3	100.7	92.5	86.8	83.7	81.5	80.9
125°	206.3	177.1	152.1	132.9	119.0	108.1	99.5	93.8	90.4	88.5	87.3
127.5°	202.0	176.4	154.8	138.0	125.2	114.6	106.0	100.0	96.2	93.9	93.0
130°	199.3	176.2	156.7	141.2	129.3	119.0	110.1	104.4	99.8	97.4	96.2
132.5°	196.9	176.0	158.4	144.4	132.8	122.3	114.1	107.8	103.5	100.3	99.4
135°	193.2	175.6	161.0	148.5	137.5	127.5	119.6	113.2	108.1	105.0	103.8
137.5°	190.1	175.6	162.5	151.4	141.2	131.8	124.2	117.6	112.7	109.3	108.2
140°	188.4	175.3	163.7	153.3	143.6	134.5	127.2	120.8	115.6	112.3	111.4
142.5°	186.9	175.3	164.7	154.8	145.9	136.9	129.8	123.7	118.8	115.7	114.8
145°	184.4	174.7	165.2	156.4	148.2	140.3	133.6	127.8	123.6	120.5	119.6
147.5°	182.2	173.6	165.6	157.8	150.6	143.2	137.2	132.3	128.0	125.3	125.0
150°	180.5	172.8	165.6	158.5	151.9	145.2	139.4	134.8	131.1	128.7	128.4
152.5°	178.5	171.6	165.1	159.0	152.8	146.9	141.5	137.5	134.1	131.6	131.6
155°	175.6	169.8	164.4	159.5	154.3	149.1	144.6	141.2	138.2	136.3	136.0
157.5°	172.6	167.9	163.5	159.5	155.3	150.9	147.3	144.4	142.1	140.3	140.3
160°	170.4	166.4	162.8	159.5	155.8	152.1	148.8	146.4	144.2	143.0	143.0
162.5°	168.5	165.0	162.0	159.5	156.3	152.9	150.2	148.1	146.2	145.3	145.4
165°	165.2	162.8	160.7	158.9	156.4	153.7	151.9	150.3	148.8	148.2	148.2
167.5°	162.3	160.6	159.2	158.1	156.4	154.4	152.9	152.1	150.9	150.6	150.9
170°	160.4	159.1	158.3	157.6	156.1	154.5	153.7	153.1	152.1	151.9	152.1
172.5°	158.7	157.6	157.3	157.1	155.8	154.8	154.1	153.8	153.1	153.1	153.3
175°	156.7	156.1	156.1	156.4	155.5	154.9	154.9	154.5	154.3	154.3	154.5
177.5°	155.4	155.2	155.2	155.6	155.2	154.9	154.9	154.9	154.6	154.9	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	836.5	839.0	841.6	846.7	851.0	852.9	856.7	859.4	858.5	862.3	868.7
5°	839.8	848.9	859.3	870.0	882.0	892.1	900.2	908.2	914.6	922.2	933.7
7.5°	839.3	855.4	872.9	892.1	911.9	928.9	944.8	960.9	975.1	990.8	1011.2
10°	837.2	858.6	880.4	905.5	930.7	954.4	975.9	995.9	1015.0	1035.4	1061.3
12.5°	834.7	859.4	885.7	915.9	947.3	975.9	1001.1	1030.0	1053.9	1080.2	1110.1
15°	824.1	857.3	893.1	932.3	969.8	1008.3	1042.8	1078.4	1111.6	1143.0	1180.5
17.5°	811.9	850.2	892.4	938.7	983.9	1030.6	1071.6	1116.4	1150.2	1192.5	1227.4
20°	802.0	843.2	888.4	940.3	991.6	1043.5	1088.7	1134.3	1172.5	1215.0	1259.3
22.5°	790.0	835.2	884.2	937.9	991.6	1048.4	1098.4	1143.7	1191.0	1238.9	1284.4
25°	770.5	817.4	869.4	928.2	989.9	1047.8	1101.5	1157.8	1208.7	1260.6	1301.5
27.5°	746.7	795.9	850.7	911.5	974.7	1034.1	1097.2	1157.2	1208.4	1258.4	1294.0
30°	727.6	779.5	832.2	893.8	959.4	1023.1	1090.7	1150.7	1204.6	1249.6	1269.6
32.5°	708.1	757.3	811.5	873.9	941.2	1009.7	1076.9	1138.2	1188.0	1215.0	1215.5
35°	674.0	720.2	776.5	837.8	906.8	981.2	1049.2	1109.5	1140.0	1142.4	1109.5
37.5°	636.9	679.3	732.5	793.8	869.4	943.4	1012.8	1053.0	1063.2	1029.2	968.5
40°	610.4	649.5	700.9	763.8	838.9	915.2	978.5	1008.0	997.3	942.0	874.3
42.5°	582.5	619.0	668.4	730.6	805.9	883.0	937.0	952.8	924.4	860.6	781.4
45°	537.0	570.5	619.4	682.1	754.4	826.8	867.6	859.6	812.4	736.7	647.9
47.5°	489.7	522.0	566.0	624.0	698.1	760.5	788.2	764.0	696.7	613.5	541.2
50°	458.3	491.5	532.0	587.3	655.0	715.2	733.0	696.1	621.4	541.4	475.0
52.5°	427.5	455.8	495.5	548.9	613.6	664.6	674.0	631.5	554.4	482.7	423.9
55°	380.6	406.4	439.9	490.1	546.0	589.3	584.3	529.6	459.6	398.3	352.1
57.5°	335.2	354.6	385.6	432.7	481.8	510.8	492.4	445.9	380.6	330.5	291.4
60°	305.2	323.3	352.1	393.3	436.5	452.9	437.5	386.9	335.4	289.5	256.6
62.5°	276.8	292.7	317.5	355.8	390.6	400.4	383.9	339.8	293.3	254.1	226.9
65°	235.5	250.2	271.4	298.5	322.6	327.3	316.6	271.4	236.2	203.4	184.6
67.5°	198.0	207.7	224.2	247.6	260.5	263.2	242.5	214.0	183.0	162.9	148.8
70°	172.9	179.5	194.9	207.7	218.1	218.4	199.3	176.5	152.7	136.4	126.0
72.5°	148.4	154.9	166.6	175.3	183.2	180.6	163.2	145.2	126.0	113.6	105.8
75°	114.6	120.3	126.3	130.4	130.4	127.0	114.3	100.8	89.8	82.4	80.1
77.5°	83.3	88.0	90.0	89.4	88.2	82.9	74.9	66.1	62.2	58.7	56.9
80°	65.3	67.3	68.0	66.3	64.3	58.3	53.0	49.2	45.5	44.3	43.6
82.5°	48.5	50.2	48.5	48.9	44.5	39.5	36.6	35.3	33.8	33.2	32.5
85°	25.8	25.5	24.8	23.1	20.1	19.5	19.1	18.8	18.1	18.4	17.7
87.5°	9.0	8.4	7.4	7.1	7.1	7.0	7.3	7.4	7.5	7.2	7.8
90°	0.9	1.8	2.2	2.4	2.4	4.2	4.2	4.9	5.5	5.2	5.5
92.5°	5.1	7.9	11.6	16.1	22.4	37.9	61.5	84.5	96.5	80.4	59.8
95°	10.9	14.0	18.0	25.2	38.1	64.5	114.4	187.2	248.0	255.0	225.5
97.5°	18.0	20.7	24.3	30.6	41.2	61.6	102.9	175.1	261.2	320.4	333.1
100°	23.2	25.2	28.9	34.7	44.4	62.4	96.8	158.9	244.7	322.5	367.0
102.5°	28.5	30.4	33.8	39.3	48.6	64.8	95.1	147.9	223.9	304.3	365.3
105°	36.5	38.1	41.7	47.2	56.0	70.6	95.8	138.4	199.6	271.1	340.8
107.5°	44.6	46.1	50.0	55.3	64.0	77.3	100.4	136.7	186.0	244.4	306.1
110°	50.2	51.7	55.4	60.9	69.1	82.5	103.8	137.2	181.3	231.0	285.2



TEST NUMBER: P332897-935

CATALOG NUMBER: SA4XXRDIP-C575D365U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.5	57.3	60.7	66.2	74.4	87.3	107.5	138.7	179.2	223.4	269.8
115°	63.6	65.7	68.8	74.6	82.7	95.0	113.2	141.5	178.1	216.4	254.4
117.5°	71.5	73.4	76.8	82.2	90.7	102.3	119.1	144.5	177.7	213.2	246.8
120°	76.7	78.8	82.1	87.3	95.8	107.5	123.2	146.7	177.7	211.5	243.4
122.5°	81.5	83.7	86.8	92.5	100.7	112.3	127.2	148.9	177.5	209.6	240.5
125°	88.5	90.4	93.8	99.5	108.1	119.0	132.9	152.1	177.1	206.3	235.6
127.5°	93.9	96.2	100.0	106.0	114.6	125.2	138.0	154.8	176.4	202.0	229.5
130°	97.4	99.8	104.4	110.1	119.0	129.3	141.2	156.7	176.2	199.3	224.5
132.5°	100.3	103.5	107.8	114.1	122.3	132.8	144.4	158.4	176.0	196.9	219.5
135°	105.0	108.1	113.2	119.6	127.5	137.5	148.5	161.0	175.6	193.2	212.4
137.5°	109.3	112.7	117.6	124.2	131.8	141.2	151.4	162.5	175.6	190.1	206.0
140°	112.3	115.6	120.8	127.2	134.5	143.6	153.3	163.7	175.3	188.4	202.3
142.5°	115.7	118.8	123.7	129.8	136.9	145.9	154.8	164.7	175.3	186.9	199.0
145°	120.5	123.6	127.8	133.6	140.3	148.2	156.4	165.2	174.7	184.4	194.2
147.5°	125.3	128.0	132.3	137.2	143.2	150.6	157.8	165.6	173.6	182.2	190.2
150°	128.7	131.1	134.8	139.4	145.2	151.9	158.5	165.6	172.8	180.5	187.8
152.5°	131.6	134.1	137.5	141.5	146.9	152.8	159.0	165.1	171.6	178.5	185.1
155°	136.3	138.2	141.2	144.6	149.1	154.3	159.5	164.4	169.8	175.6	181.1
157.5°	140.3	142.1	144.4	147.3	150.9	155.3	159.5	163.5	167.9	172.6	176.8
160°	143.0	144.2	146.4	148.8	152.1	155.8	159.5	162.8	166.4	170.4	174.1
162.5°	145.3	146.2	148.1	150.2	152.9	156.3	159.5	162.0	165.0	168.5	171.4
165°	148.2	148.8	150.3	151.9	153.7	156.4	158.9	160.7	162.8	165.2	167.6
167.5°	150.6	150.9	152.1	152.9	154.4	156.4	158.1	159.2	160.6	162.3	164.1
170°	151.9	152.1	153.1	153.7	154.5	156.1	157.6	158.3	159.1	160.4	161.9
172.5°	153.1	153.1	153.8	154.1	154.8	155.8	157.1	157.3	157.6	158.7	160.0
175°	154.3	154.3	154.5	154.9	154.9	155.5	156.4	156.1	156.1	156.7	157.3
177.5°	154.9	154.6	154.9	154.9	154.9	155.2	155.6	155.2	155.2	155.4	155.6
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	872.2	873.3	874.1	876.8	877.0	879.4	877.0
5°	944.3	949.1	956.4	963.8	964.5	969.1	960.8
7.5°	1025.3	1036.1	1042.9	1054.8	1059.5	1062.5	1057.7
10°	1081.1	1091.1	1108.9	1117.6	1126.3	1127.6	1123.6
12.5°	1134.9	1150.8	1164.8	1181.4	1180.9	1192.7	1188.4
15°	1206.7	1223.1	1242.5	1260.9	1267.7	1267.7	1273.0
17.5°	1257.8	1288.0	1308.0	1322.5	1338.3	1341.1	1339.2
20°	1292.4	1324.9	1346.3	1365.1	1375.9	1378.9	1378.9
22.5°	1318.2	1345.8	1366.8	1383.6	1392.5	1396.0	1394.9
25°	1336.0	1359.8	1372.5	1377.5	1379.8	1379.1	1372.9
27.5°	1311.6	1310.5	1302.4	1287.0	1275.5	1268.4	1260.4
30°	1265.0	1247.5	1227.4	1205.3	1176.8	1155.0	1148.4
32.5°	1195.6	1156.4	1122.4	1085.5	1054.9	1033.1	1024.0
35°	1061.3	999.3	948.7	904.5	872.4	852.2	845.5
37.5°	902.0	842.0	779.4	736.5	709.8	689.5	681.9
40°	800.6	735.3	680.7	640.5	613.0	593.3	593.0
42.5°	708.2	645.8	594.4	565.5	535.9	522.8	522.7
45°	579.9	529.9	486.4	463.6	445.9	435.1	432.1
47.5°	480.1	438.9	409.8	391.7	377.2	370.4	365.9
50°	424.1	388.0	364.8	349.0	341.0	332.3	331.7
52.5°	377.5	348.3	330.3	317.5	307.3	302.0	302.2
55°	317.3	294.1	281.4	271.6	263.6	259.6	258.0
57.5°	267.3	249.9	240.6	231.8	228.3	225.2	224.3
60°	236.2	224.5	215.8	208.7	203.7	202.7	202.3
62.5°	210.4	198.2	192.2	186.8	183.0	181.5	180.9
65°	173.5	164.5	159.1	154.8	153.4	151.1	150.8
67.5°	139.9	134.5	131.0	127.9	126.1	126.0	126.0
70°	119.2	116.2	113.2	111.6	110.6	109.9	109.9
72.5°	101.6	99.4	96.9	96.0	95.8	95.1	94.9
75°	77.4	75.1	75.3	73.7	72.3	70.7	69.7
77.5°	54.8	53.2	52.9	52.7	51.5	51.3	51.8
80°	42.5	40.9	40.6	40.9	40.6	39.5	39.5
82.5°	32.4	31.0	30.7	30.4	30.0	30.4	29.9
85°	17.4	16.8	16.8	16.8	17.4	17.0	16.8
87.5°	7.3	7.1	7.4	7.1	7.2	6.9	7.1
90°	5.8	6.1	6.1	6.4	6.7	6.4	6.4
92.5°	44.9	35.8	29.7	26.1	24.5	23.4	23.4
95°	178.3	137.5	108.1	93.1	83.7	78.2	74.2
97.5°	315.6	285.9	254.1	232.2	214.0	204.8	198.5
100°	373.1	358.2	335.6	309.2	290.6	281.5	279.1
102.5°	395.5	399.8	390.4	374.2	360.8	351.1	349.1
105°	393.5	423.6	436.1	436.7	434.2	430.0	428.2
107.5°	362.1	404.5	431.7	446.7	453.7	456.7	457.4
110°	337.8	381.9	415.3	437.0	449.8	455.2	458.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	316.3	358.0	391.5	416.0	431.5	439.2	443.6
115°	291.8	327.4	356.6	380.6	398.9	408.7	411.1
117.5°	277.8	305.8	330.6	351.1	366.4	376.3	378.2
120°	271.7	296.1	317.7	335.0	348.4	356.4	359.7
122.5°	267.9	290.0	308.9	323.6	335.0	341.7	345.1
125°	261.7	282.7	299.5	311.6	320.5	326.2	328.0
127.5°	254.4	275.4	291.3	303.5	311.3	316.2	318.1
130°	248.7	269.3	285.4	297.9	305.5	310.4	312.2
132.5°	242.0	262.3	278.4	290.6	299.2	303.8	305.7
135°	232.2	250.7	266.0	278.1	286.6	291.5	293.3
137.5°	222.7	238.4	252.1	263.6	271.9	276.0	278.1
140°	216.6	230.3	243.1	253.8	260.5	264.8	267.2
142.5°	211.5	223.3	234.4	243.8	250.0	253.8	255.5
145°	204.5	213.6	222.1	229.7	234.9	238.0	239.4
147.5°	198.4	205.7	212.4	218.0	222.5	224.7	225.3
150°	194.8	200.9	206.3	211.2	215.2	217.0	217.2
152.5°	191.1	196.7	201.2	205.3	208.5	209.7	210.0
155°	185.9	190.5	194.2	197.2	199.6	200.5	200.5
157.5°	180.8	184.7	187.6	189.9	191.7	192.3	192.3
160°	177.4	180.7	183.2	185.0	186.8	187.2	187.2
162.5°	174.3	176.8	179.1	180.4	182.2	182.5	182.3
165°	169.5	171.6	173.1	174.4	175.6	175.3	175.0
167.5°	165.5	167.2	168.1	168.7	169.5	169.4	169.2
170°	162.8	164.0	165.0	165.6	165.8	165.6	165.6
172.5°	160.6	161.4	162.0	162.4	162.6	162.4	161.9
175°	157.6	158.3	158.3	158.3	158.9	158.3	157.6
177.5°	155.8	155.8	156.1	155.8	156.1	155.6	155.2
180°	154.9	154.9	154.9	154.9	154.9	154.9	154.9

(END OF REPORT)