

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: LUMARK

Report Number: P132873

Luminaire Tested: **XTOR2A-XTORFLD+VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P132873
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR2A-XTORFLD+VISOR
Description: LUMARK CROSSTOUR 20W LED WALL PACK WITH CARBON BRONZE HOUSING HOUSING
Light Source: [1] 5000K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

Summary

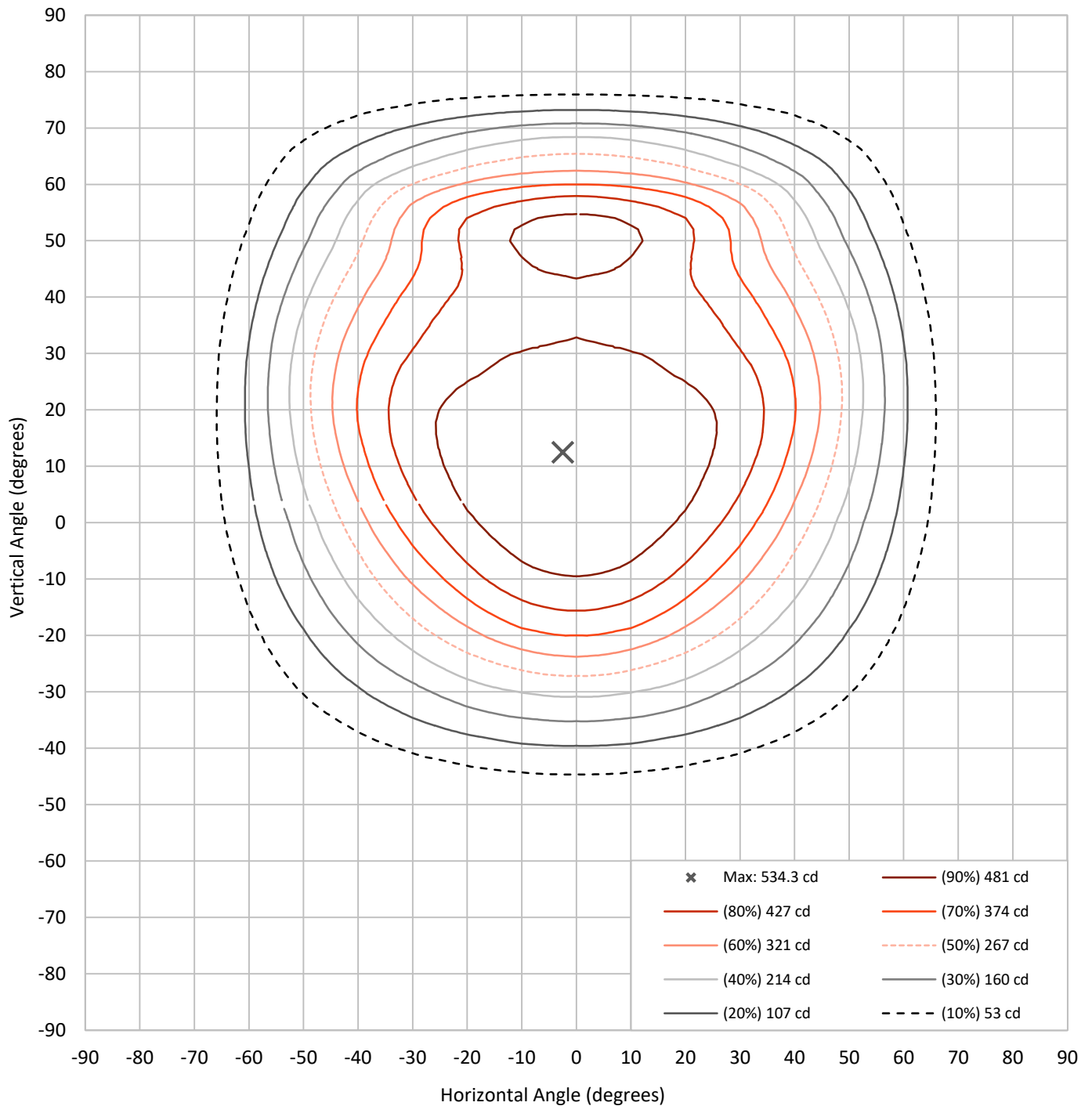
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	1088.7 lumens	Max Intensity:	534.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 12.5°V
Efficacy:	60.5 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.12' x L: 0.46' x H: 0.1')		
Beam Angle (50%):	95°H x 92.5°V	Field Angle (10%):	131.4°H x 120.5°V
Beam Lumens:	843.3 lumens	Field Lumens:	1066.9 lumens
Beam Efficiency:	77.5%	Field Efficiency:	98.0%
Input Watts (W):	18		
Input Voltage (V):	NR		
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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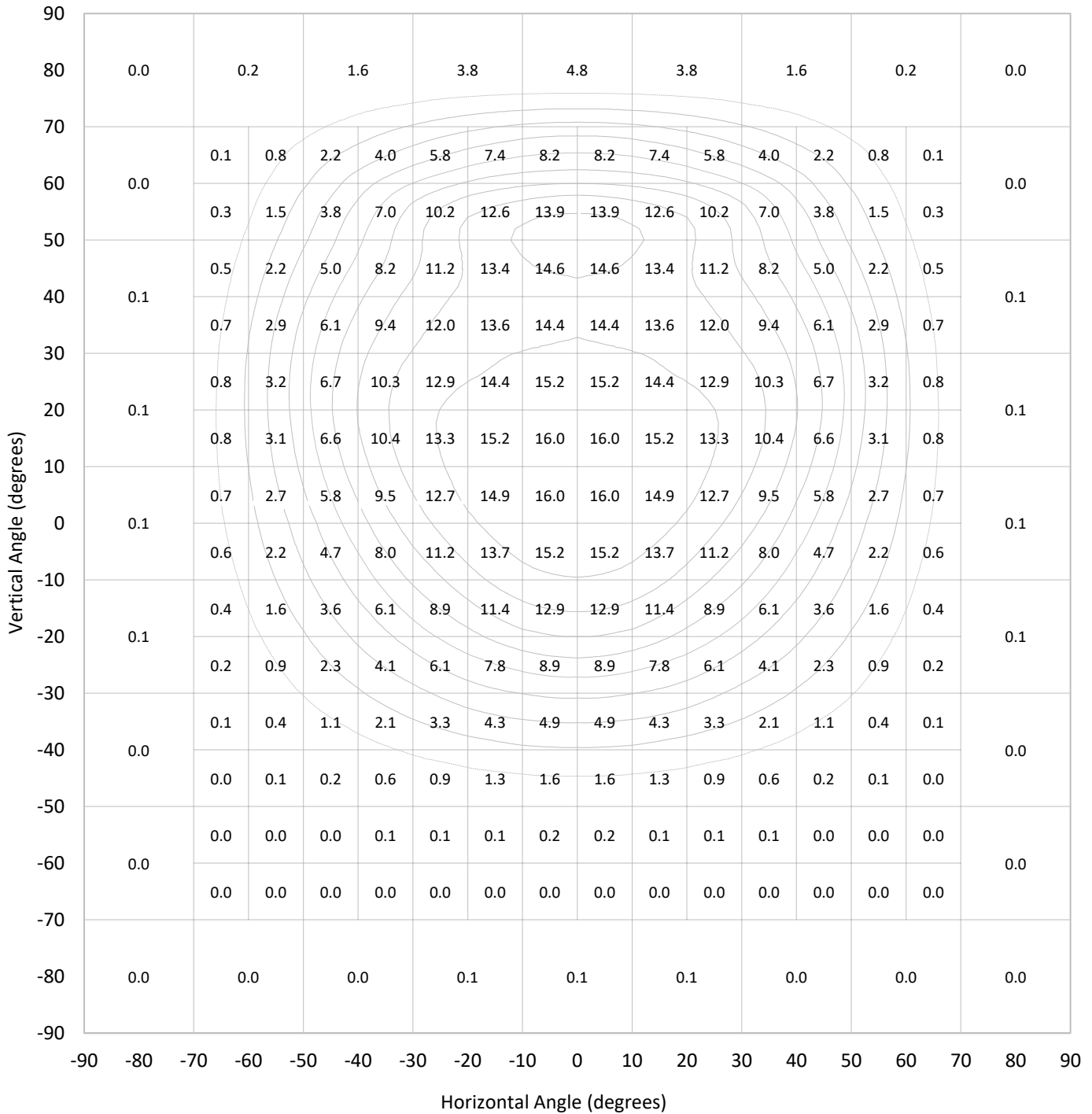
Iso-Candela Plot





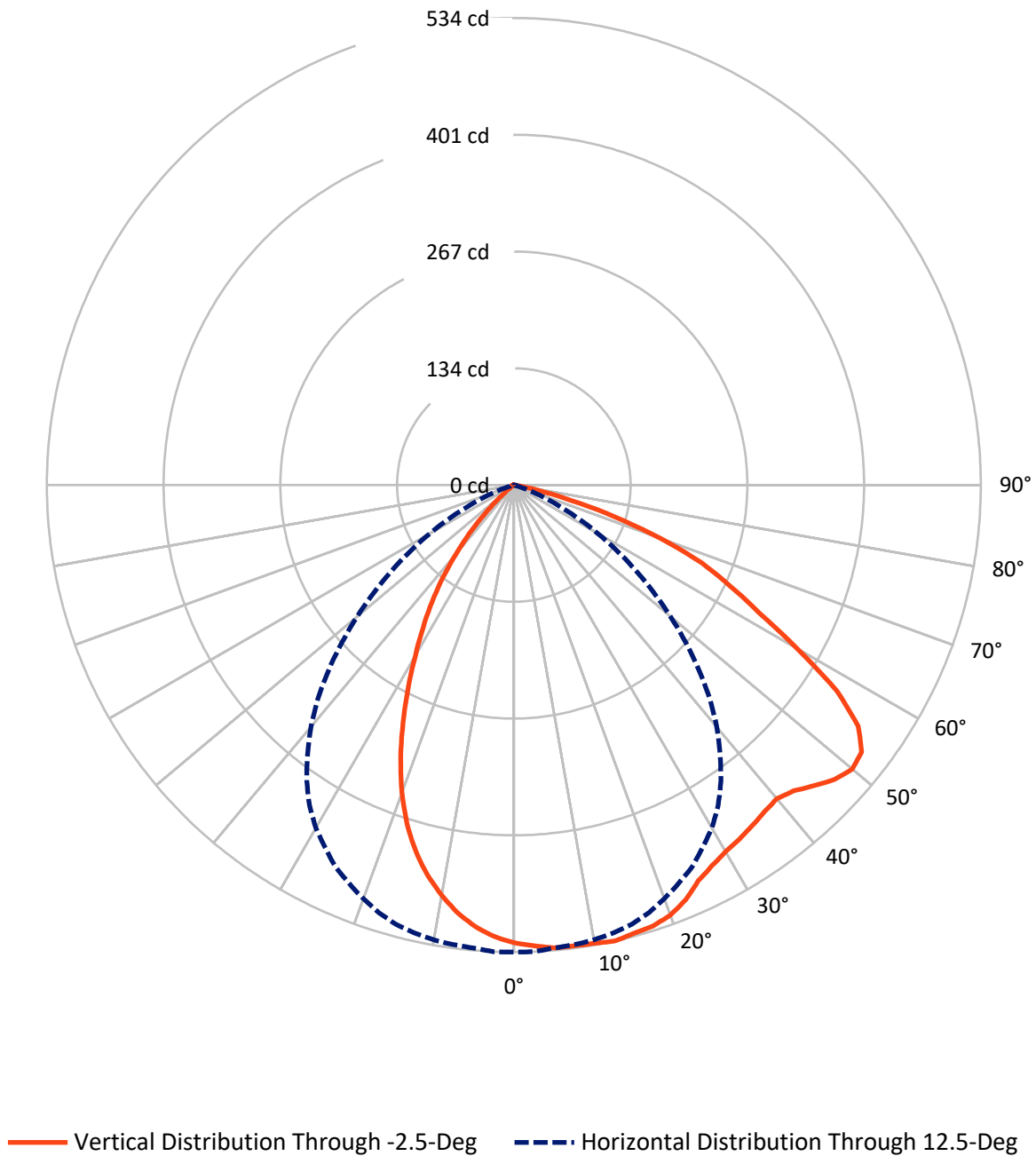
REPORT NUMBER: P132873
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Lumen Table



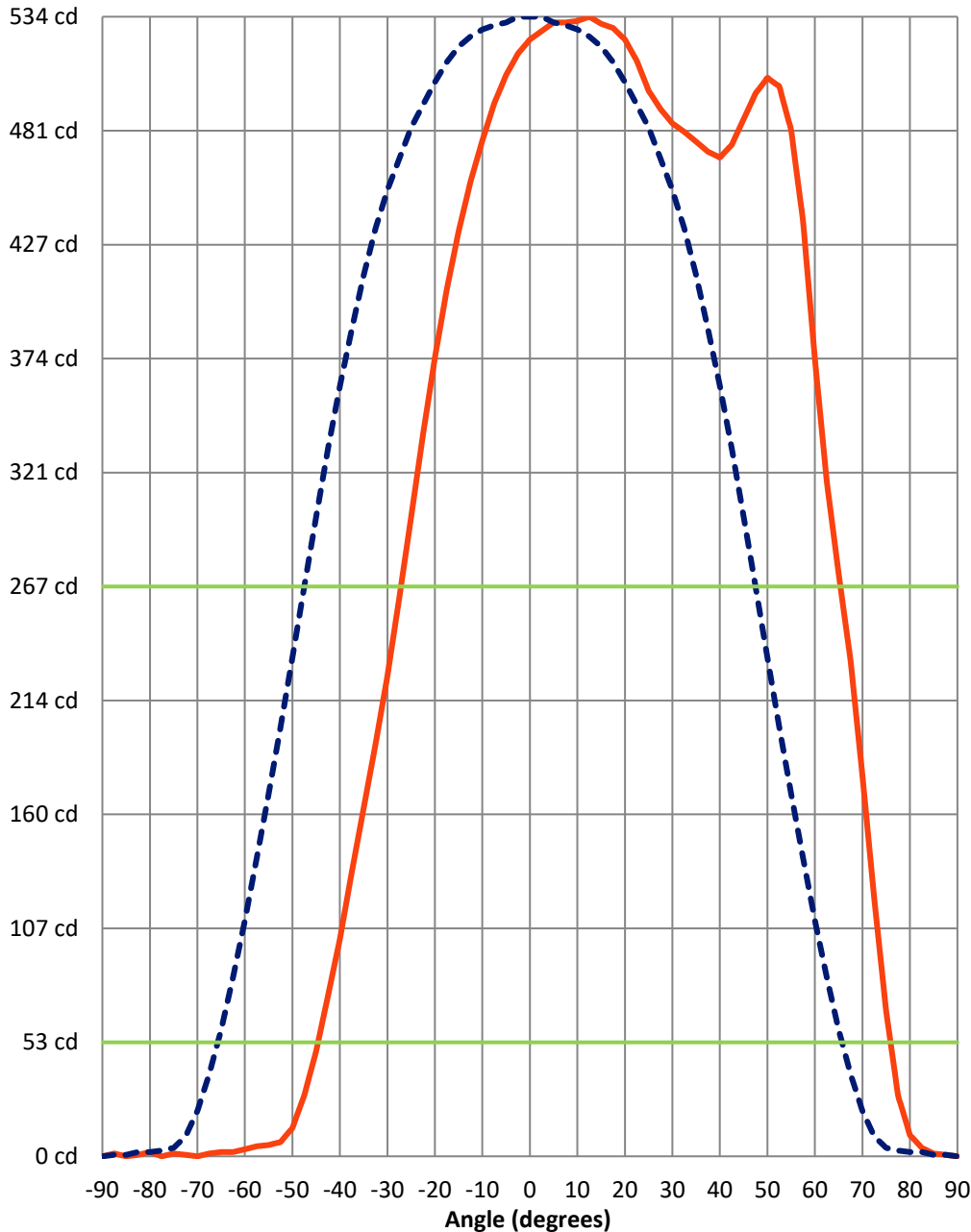
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 95°
 V Angle: 92.5°
 Lumens: 843.3
 Efficiency: 77.5%

Field:
 H Angle: 131.4°
 V Angle: 120.5°
 Lumens: 1066.9
 Efficiency: 98.0%

Spill:
 Lumens: 21.8
 Efficiency: 2.0%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through 12.5-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	1	1	1	1	1
82.5°	0	0	0	0	1	1	1	1	1	1	1
80°	0	0	0	1	1	1	1	1	1	1	1
77.5°	0	0	0	1	1	1	1	1	1	1	1
75°	0	0	1	1	1	1	1	1	1	1	2
72.5°	0	0	1	1	1	1	1	1	1	2	3
70°	0	0	1	1	1	1	1	1	1	2	4
67.5°	0	0	1	1	1	1	1	1	2	3	6
65°	0	0	1	1	1	1	1	2	3	4	8
62.5°	0	0	1	1	1	1	2	2	3	5	11
60°	0	0	1	1	1	1	2	3	3	7	14
57.5°	0	1	1	1	1	2	2	3	5	9	17
55°	0	1	1	1	1	2	2	3	6	11	21
52.5°	0	1	1	1	2	2	2	3	7	15	25
50°	0	1	1	1	2	2	2	4	8	17	29
47.5°	0	1	1	1	2	2	2	5	11	20	33
45°	0	1	1	1	2	2	3	5	13	23	37
42.5°	0	1	1	1	3	2	3	7	15	26	41
40°	0	1	1	2	3	2	3	8	16	28	45
37.5°	0	1	1	2	3	2	4	9	18	30	48
35°	0	1	1	2	2	2	4	9	19	33	51
32.5°	0	1	1	2	2	2	4	10	20	35	55
30°	0	1	1	2	2	2	5	10	21	36	57
27.5°	0	1	1	2	2	2	5	11	21	37	59
25°	0	1	1	2	2	2	5	11	22	39	60
22.5°	0	1	1	2	2	2	4	11	23	39	61
20°	0	1	1	2	2	2	4	11	23	40	61
17.5°	0	1	1	2	2	3	3	10	23	40	61
15°	0	1	1	2	2	3	4	10	22	39	61
12.5°	0	1	1	2	2	3	4	9	21	39	59
10°	0	1	1	2	2	3	4	9	21	37	58
7.5°	0	1	1	2	2	3	4	9	19	36	56
5°	0	1	1	2	2	3	4	8	18	35	54
2.5°	0	1	1	2	2	3	4	7	17	33	52
0°	0	1	1	2	2	3	4	6	15	30	49
-2.5°	0	1	1	2	2	3	4	6	13	27	45
-5°	0	1	1	2	2	3	3	5	12	25	41
-7.5°	0	1	1	2	2	3	3	5	10	22	37
-10°	0	1	1	2	2	3	3	5	8	19	33
-12.5°	0	1	1	2	2	2	3	4	7	16	29
-15°	0	1	1	1	2	2	3	4	6	13	25
-17.5°	0	1	1	1	2	2	3	3	5	11	21
-20°	0	1	1	1	2	2	3	3	5	9	17



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	1	1	2	2	2	3	4	7	13
-25°	0	1	1	1	2	2	2	3	3	5	10
-27.5°	0	1	1	1	2	2	2	3	3	4	7
-30°	0	1	1	1	1	2	2	2	3	3	6
-32.5°	0	1	1	1	1	2	1	2	3	3	4
-35°	0	1	1	1	1	2	1	2	3	3	3
-37.5°	0	1	1	1	1	1	1	2	2	2	2
-40°	0	1	1	1	1	1	1	2	3	2	2
-42.5°	0	1	1	0	1	1	1	2	3	2	2
-45°	0	1	1	0	1	1	1	1	2	2	2
-47.5°	0	1	1	0	1	1	1	1	2	2	2
-50°	0	1	1	0	1	1	1	1	2	2	1
-52.5°	0	1	1	0	1	1	1	1	1	2	1
-55°	0	1	1	0	1	1	1	1	1	1	1
-57.5°	0	1	1	0	1	1	1	1	1	1	1
-60°	0	0	1	1	1	1	1	1	1	1	1
-62.5°	0	0	1	1	1	1	1	1	1	0	1
-65°	0	0	1	1	1	1	1	1	1	0	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-70°	0	0	1	1	0	1	1	1	1	1	1
-72.5°	0	0	1	1	0	0	1	1	1	1	1
-75°	0	0	1	0	0	0	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	1	1	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	1	1	1	1	1	1	1	1	1
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	2	2
80°	1	1	1	2	2	3	3	3	3	4	5
77.5°	1	2	3	3	4	7	8	10	11	13	13
75°	3	3	5	8	11	14	17	21	25	29	33
72.5°	4	7	10	14	19	25	31	37	43	51	57
70°	7	11	16	23	31	39	48	57	65	75	85
67.5°	10	16	23	33	45	55	66	77	89	101	113
65°	14	21	31	44	59	71	87	100	114	129	142
62.5°	18	28	40	55	69	85	104	121	141	158	175
60°	23	35	49	65	81	100	120	141	165	189	209
57.5°	29	41	59	76	94	117	138	161	187	211	238
55°	33	48	66	84	105	131	154	179	206	231	259
52.5°	39	55	73	93	117	143	166	193	219	247	274
50°	44	61	81	104	129	153	176	205	230	258	285
47.5°	49	68	91	115	140	165	191	218	242	269	294
45°	55	75	99	125	151	178	205	232	258	283	307
42.5°	60	83	108	134	163	191	219	247	273	298	320
40°	65	89	116	144	174	203	232	261	287	311	334
37.5°	70	95	123	153	185	215	245	273	299	324	346
35°	75	101	131	162	195	225	255	285	311	336	359
32.5°	79	107	137	169	201	234	265	295	323	348	370
30°	83	110	141	175	207	241	273	303	332	358	380
27.5°	85	113	144	178	212	246	279	310	339	366	390
25°	86	115	147	181	215	250	283	315	344	372	396
22.5°	87	115	147	182	215	249	285	318	347	376	400
20°	87	115	147	181	214	248	283	317	349	376	401
17.5°	87	115	145	178	211	245	280	314	346	374	398
15°	85	113	143	175	207	240	275	307	340	369	394
12.5°	84	111	140	170	201	234	267	300	332	361	388
10°	81	107	135	165	195	227	259	291	322	351	379
7.5°	79	104	131	159	187	218	249	281	311	340	369
5°	76	100	126	153	179	209	237	269	299	326	356
2.5°	73	95	121	146	171	200	227	257	287	314	343
0°	68	90	115	137	161	189	214	243	272	299	327
-2.5°	64	85	109	131	154	180	204	232	258	285	313
-5°	59	80	102	123	145	169	193	218	243	268	295
-7.5°	54	74	95	115	136	159	181	205	229	252	278
-10°	49	67	87	107	127	149	170	192	215	237	260
-12.5°	43	61	79	99	117	137	158	179	200	221	242
-15°	39	54	71	89	107	125	146	165	185	205	223
-17.5°	33	47	63	80	97	113	133	151	169	188	205
-20°	28	41	55	71	87	101	119	137	153	171	187



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CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	23	34	47	61	76	90	105	122	137	154	169
-25°	18	28	39	51	65	79	91	107	121	137	151
-27.5°	14	22	31	42	55	67	79	92	105	118	133
-30°	11	17	24	33	45	55	67	77	89	101	113
-32.5°	7	12	18	25	34	44	54	63	73	83	94
-35°	5	9	13	18	25	33	42	49	57	67	76
-37.5°	4	6	8	13	17	23	31	37	43	51	59
-40°	3	5	5	8	11	15	21	27	31	37	42
-42.5°	2	3	4	4	7	9	12	17	21	24	28
-45°	2	3	3	3	5	5	7	9	12	14	17
-47.5°	2	3	3	3	3	4	4	5	6	8	9
-50°	2	3	3	3	3	3	3	3	3	4	5
-52.5°	2	3	3	2	3	3	3	3	3	3	3
-55°	2	3	2	1	1	3	3	2	2	3	3
-57.5°	1	2	2	1	1	1	2	2	2	2	2
-60°	1	1	1	1	1	1	1	1	1	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	0	0	1	0	1	1	1	1	1	1
-67.5°	1	0	0	1	1	1	1	1	1	1	1
-70°	1	0	0	1	1	1	1	1	1	1	1
-72.5°	1	1	0	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	0	0	1	1	0	0
-77.5°	0	1	1	1	1	1	1	1	1	0	0
-80°	0	0	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	1	0	0	0	0	0	1	1
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	1	1	1	1	1	1	1	1	1	1	1
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	3	3	3	3	3	3	3	3	4	4	4
80°	7	7	7	7	8	8	8	9	10	10	9
77.5°	15	17	19	21	23	24	25	25	26	27	28
75°	35	39	43	47	51	53	56	59	61	63	65
72.5°	63	69	75	82	88	93	99	103	108	112	115
70°	94	103	112	121	129	138	146	153	159	165	171
67.5°	125	137	149	161	171	181	191	200	208	215	222
65°	157	171	185	196	209	221	232	242	250	257	263
62.5°	193	209	224	239	251	263	276	287	295	302	308
60°	231	251	268	285	301	314	328	340	349	356	363
57.5°	264	287	312	329	348	366	380	392	403	413	422
55°	287	312	340	362	383	402	420	432	444	455	464
52.5°	303	327	353	378	400	419	439	452	465	476	485
50°	310	334	358	381	402	421	439	454	468	480	489
47.5°	317	339	361	381	400	418	435	450	462	473	482
45°	327	348	367	386	402	418	432	443	454	465	474
42.5°	340	360	378	394	408	422	434	443	453	460	467
40°	354	374	390	406	419	431	440	448	454	460	464
37.5°	367	386	402	416	428	438	446	453	458	463	467
35°	378	396	412	425	437	444	452	459	466	469	472
32.5°	390	406	421	433	442	452	460	466	471	474	477
30°	402	417	430	442	451	459	468	472	477	480	482
27.5°	410	427	440	451	460	468	474	478	482	486	488
25°	417	434	448	460	469	476	481	484	489	494	496
22.5°	421	440	456	467	476	483	488	494	498	502	506
20°	422	444	460	472	482	490	497	502	507	513	518
17.5°	422	442	460	474	484	494	502	509	516	520	524
15°	420	440	458	472	484	495	504	512	519	524	528
12.5°	413	435	453	468	482	493	504	513	520	525	528
10°	404	426	446	462	477	490	502	512	519	524	527
7.5°	395	418	437	455	470	484	497	507	515	520	526
5°	383	407	427	446	462	478	491	502	510	518	524
2.5°	370	394	415	434	453	468	482	494	504	512	519
0°	353	378	399	421	439	456	471	484	495	505	512
-2.5°	338	362	384	406	424	442	458	472	484	495	503
-5°	320	344	368	388	407	426	443	458	470	482	491
-7.5°	303	326	349	369	388	408	426	441	454	467	478
-10°	284	307	328	349	368	388	406	424	436	448	459
-12.5°	265	287	307	327	346	365	384	401	416	429	439
-15°	244	265	285	304	322	341	358	376	391	405	416
-17.5°	224	244	263	281	297	314	331	348	363	377	390
-20°	203	222	239	257	273	287	303	318	333	345	356



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	184	199	215	231	247	261	274	286	299	310	320
-25°	165	177	191	206	219	233	245	255	265	275	284
-27.5°	145	157	168	181	193	205	217	226	233	240	248
-30°	125	136	147	156	168	179	189	198	205	210	215
-32.5°	105	115	125	134	142	152	162	169	177	181	185
-35°	84	94	103	111	119	126	133	140	147	153	156
-37.5°	66	73	81	89	95	101	107	112	117	122	126
-40°	48	54	60	66	72	77	83	87	90	94	97
-42.5°	31	37	41	46	49	53	59	63	66	68	71
-45°	20	22	24	28	31	33	37	39	42	45	46
-47.5°	11	11	13	15	15	17	20	21	23	25	26
-50°	5	5	7	7	9	8	8	9	11	11	12
-52.5°	3	3	4	4	5	5	5	5	5	5	7
-55°	3	3	3	3	3	3	3	3	4	4	5
-57.5°	2	2	2	2	2	2	2	3	3	3	3
-60°	2	2	2	2	2	1	2	2	2	2	3
-62.5°	2	1	1	1	1	1	1	1	1	2	2
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	2	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	0
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	0	0	0
-77.5°	1	1	0	0	1	1	1	1	0	1	1
-80°	1	1	1	0	0	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	0	0	0	1
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	1	0	0	0	0	0	1	1	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	1	1	1	1	1	1	1	1	1	1	1
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	4	4	4	3	4	4	4	4	4	4	3
80°	10	10	10	11	10	10	10	9	10	10	9
77.5°	28	29	29	28	29	29	28	28	27	26	25
75°	66	68	68	68	68	68	66	65	63	61	59
72.5°	117	121	121	121	121	121	117	115	112	108	103
70°	174	178	179	179	179	178	174	171	165	159	153
67.5°	227	232	233	233	233	232	227	222	215	208	200
65°	268	271	273	274	273	271	268	263	257	250	242
62.5°	312	314	316	317	316	314	312	308	302	295	287
60°	368	372	374	373	374	372	368	363	356	349	340
57.5°	429	434	438	440	438	434	429	422	413	403	392
55°	472	477	481	482	481	477	472	464	455	444	432
52.5°	493	498	502	502	502	498	493	485	476	465	452
50°	496	502	506	508	506	502	496	489	480	468	454
47.5°	490	495	498	500	498	495	490	482	473	462	450
45°	480	484	486	489	486	484	480	474	465	454	443
42.5°	471	473	474	476	474	473	471	467	460	453	443
40°	466	468	468	469	468	468	466	464	460	454	448
37.5°	470	470	471	472	471	470	470	467	463	458	453
35°	474	476	476	477	476	476	474	472	469	466	459
32.5°	478	480	480	482	480	480	478	477	474	471	466
30°	483	483	484	485	484	483	483	482	480	477	472
27.5°	489	490	491	492	491	490	489	488	486	482	478
25°	498	500	500	501	500	500	498	496	494	489	484
22.5°	509	512	514	515	514	512	509	506	502	498	494
20°	520	522	524	526	524	522	520	518	513	507	502
17.5°	526	528	529	530	529	528	526	524	520	516	509
15°	530	530	531	532	531	530	530	528	524	519	512
12.5°	530	532	534	534	534	532	530	528	525	520	513
10°	530	532	532	534	532	532	530	527	524	519	512
7.5°	530	532	532	532	532	532	530	526	520	515	507
5°	528	530	532	532	532	530	528	524	518	510	502
2.5°	524	527	528	529	528	527	524	519	512	504	494
0°	518	522	524	524	524	522	518	512	505	495	484
-2.5°	510	515	517	518	517	515	510	503	495	484	472
-5°	498	504	507	508	507	504	498	491	482	470	458
-7.5°	485	490	494	494	494	490	485	478	467	454	441
-10°	468	473	476	478	476	473	468	459	448	436	424
-12.5°	448	454	457	458	457	454	448	439	429	416	401
-15°	424	430	434	434	434	430	424	416	405	391	376
-17.5°	396	402	406	406	406	402	396	390	377	363	348
-20°	364	370	374	374	374	370	364	356	345	333	318



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	328	335	338	341	338	335	328	320	310	299	286
-25°	292	297	300	301	300	297	292	284	275	265	255
-27.5°	255	259	262	262	262	259	255	248	240	233	226
-30°	219	223	225	225	225	223	219	215	210	205	198
-32.5°	189	192	193	193	193	192	189	185	181	177	169
-35°	159	161	163	163	163	161	159	156	153	147	140
-37.5°	129	131	133	133	133	131	129	126	122	117	112
-40°	99	101	102	101	102	101	99	97	94	90	87
-42.5°	73	74	75	75	75	74	73	71	68	66	63
-45°	48	49	49	49	49	49	48	46	45	42	39
-47.5°	26	27	29	29	29	27	26	26	25	23	21
-50°	13	13	13	13	13	13	13	12	11	11	9
-52.5°	8	7	7	7	7	7	8	7	5	5	5
-55°	5	5	5	5	5	5	5	5	4	4	3
-57.5°	3	5	5	5	5	5	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	2	2	2
-62.5°	3	2	2	2	2	2	3	2	2	1	1
-65°	1	2	2	1	2	2	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	2	1	0	1	2	1	0	0	0	1
-77.5°	1	0	0	1	0	0	1	1	1	0	1
-80°	1	1	2	3	2	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	1	1	1	2	1	1	1	1	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	1	1	1	1	1	1	1	1	1	1	1
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	3	3	3	3	3	3	3	2	2	1	1
80°	8	8	8	7	7	7	7	5	4	3	3
77.5°	25	24	23	21	19	17	15	13	13	11	10
75°	56	53	51	47	43	39	35	33	29	25	21
72.5°	99	93	88	82	75	69	63	57	51	43	37
70°	146	138	129	121	112	103	94	85	75	65	57
67.5°	191	181	171	161	149	137	125	113	101	89	77
65°	232	221	209	196	185	171	157	142	129	114	100
62.5°	276	263	251	239	224	209	193	175	158	141	121
60°	328	314	301	285	268	251	231	209	189	165	141
57.5°	380	366	348	329	312	287	264	238	211	187	161
55°	420	402	383	362	340	312	287	259	231	206	179
52.5°	439	419	400	378	353	327	303	274	247	219	193
50°	439	421	402	381	358	334	310	285	258	230	205
47.5°	435	418	400	381	361	339	317	294	269	242	218
45°	432	418	402	386	367	348	327	307	283	258	232
42.5°	434	422	408	394	378	360	340	320	298	273	247
40°	440	431	419	406	390	374	354	334	311	287	261
37.5°	446	438	428	416	402	386	367	346	324	299	273
35°	452	444	437	425	412	396	378	359	336	311	285
32.5°	460	452	442	433	421	406	390	370	348	323	295
30°	468	459	451	442	430	417	402	380	358	332	303
27.5°	474	468	460	451	440	427	410	390	366	339	310
25°	481	476	469	460	448	434	417	396	372	344	315
22.5°	488	483	476	467	456	440	421	400	376	347	318
20°	497	490	482	472	460	444	422	401	376	349	317
17.5°	502	494	484	474	460	442	422	398	374	346	314
15°	504	495	484	472	458	440	420	394	369	340	307
12.5°	504	493	482	468	453	435	413	388	361	332	300
10°	502	490	477	462	446	426	404	379	351	322	291
7.5°	497	484	470	455	437	418	395	369	340	311	281
5°	491	478	462	446	427	407	383	356	326	299	269
2.5°	482	468	453	434	415	394	370	343	314	287	257
0°	471	456	439	421	399	378	353	327	299	272	243
-2.5°	458	442	424	406	384	362	338	313	285	258	232
-5°	443	426	407	388	368	344	320	295	268	243	218
-7.5°	426	408	388	369	349	326	303	278	252	229	205
-10°	406	388	368	349	328	307	284	260	237	215	192
-12.5°	384	365	346	327	307	287	265	242	221	200	179
-15°	358	341	322	304	285	265	244	223	205	185	165
-17.5°	331	314	297	281	263	244	224	205	188	169	151
-20°	303	287	273	257	239	222	203	187	171	153	137



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	274	261	247	231	215	199	184	169	154	137	122
-25°	245	233	219	206	191	177	165	151	137	121	107
-27.5°	217	205	193	181	168	157	145	133	118	105	92
-30°	189	179	168	156	147	136	125	113	101	89	77
-32.5°	162	152	142	134	125	115	105	94	83	73	63
-35°	133	126	119	111	103	94	84	76	67	57	49
-37.5°	107	101	95	89	81	73	66	59	51	43	37
-40°	83	77	72	66	60	54	48	42	37	31	27
-42.5°	59	53	49	46	41	37	31	28	24	21	17
-45°	37	33	31	28	24	22	20	17	14	12	9
-47.5°	20	17	15	15	13	11	11	9	8	6	5
-50°	8	8	9	7	7	5	5	5	4	3	3
-52.5°	5	5	5	4	4	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	1	2	2	2	2	2	2	2	1	1
-62.5°	1	1	1	1	1	1	2	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	2	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	0	0	1	1
-77.5°	1	1	1	0	0	1	1	0	0	1	1
-80°	1	1	0	0	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	1	0	0	0	0	0	1	1	1	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	1	1	1	1	1	0	0	0	0	0	0
85°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	3	3	2	2	1	1	1	1	1	1	1
77.5°	8	7	4	3	3	2	1	1	1	1	1
75°	17	14	11	8	5	3	3	2	1	1	1
72.5°	31	25	19	14	10	7	4	3	2	1	1
70°	48	39	31	23	16	11	7	4	2	1	1
67.5°	66	55	45	33	23	16	10	6	3	2	1
65°	87	71	59	44	31	21	14	8	4	3	2
62.5°	104	85	69	55	40	28	18	11	5	3	2
60°	120	100	81	65	49	35	23	14	7	3	3
57.5°	138	117	94	76	59	41	29	17	9	5	3
55°	154	131	105	84	66	48	33	21	11	6	3
52.5°	166	143	117	93	73	55	39	25	15	7	3
50°	176	153	129	104	81	61	44	29	17	8	4
47.5°	191	165	140	115	91	68	49	33	20	11	5
45°	205	178	151	125	99	75	55	37	23	13	5
42.5°	219	191	163	134	108	83	60	41	26	15	7
40°	232	203	174	144	116	89	65	45	28	16	8
37.5°	245	215	185	153	123	95	70	48	30	18	9
35°	255	225	195	162	131	101	75	51	33	19	9
32.5°	265	234	201	169	137	107	79	55	35	20	10
30°	273	241	207	175	141	110	83	57	36	21	10
27.5°	279	246	212	178	144	113	85	59	37	21	11
25°	283	250	215	181	147	115	86	60	39	22	11
22.5°	285	249	215	182	147	115	87	61	39	23	11
20°	283	248	214	181	147	115	87	61	40	23	11
17.5°	280	245	211	178	145	115	87	61	40	23	10
15°	275	240	207	175	143	113	85	61	39	22	10
12.5°	267	234	201	170	140	111	84	59	39	21	9
10°	259	227	195	165	135	107	81	58	37	21	9
7.5°	249	218	187	159	131	104	79	56	36	19	9
5°	237	209	179	153	126	100	76	54	35	18	8
2.5°	227	200	171	146	121	95	73	52	33	17	7
0°	214	189	161	137	115	90	68	49	30	15	6
-2.5°	204	180	154	131	109	85	64	45	27	13	6
-5°	193	169	145	123	102	80	59	41	25	12	5
-7.5°	181	159	136	115	95	74	54	37	22	10	5
-10°	170	149	127	107	87	67	49	33	19	8	5
-12.5°	158	137	117	99	79	61	43	29	16	7	4
-15°	146	125	107	89	71	54	39	25	13	6	4
-17.5°	133	113	97	80	63	47	33	21	11	5	3
-20°	119	101	87	71	55	41	28	17	9	5	3



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	105	90	76	61	47	34	23	13	7	4	3
-25°	91	79	65	51	39	28	18	10	5	3	3
-27.5°	79	67	55	42	31	22	14	7	4	3	3
-30°	67	55	45	33	24	17	11	6	3	3	2
-32.5°	54	44	34	25	18	12	7	4	3	3	2
-35°	42	33	25	18	13	9	5	3	3	3	2
-37.5°	31	23	17	13	8	6	4	2	2	2	2
-40°	21	15	11	8	5	5	3	2	2	3	2
-42.5°	12	9	7	4	4	3	2	2	2	3	2
-45°	7	5	5	3	3	3	2	2	2	2	1
-47.5°	4	4	3	3	3	3	2	2	2	2	1
-50°	3	3	3	3	3	3	2	1	2	2	1
-52.5°	3	3	3	2	3	3	2	1	2	1	1
-55°	3	3	1	1	2	3	2	1	1	1	1
-57.5°	2	1	1	1	2	2	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	0	1	1
-65°	1	1	0	1	0	0	1	1	0	1	1
-67.5°	1	1	1	1	0	0	1	1	1	1	1
-70°	1	1	1	1	0	0	1	1	1	1	1
-72.5°	1	1	1	1	0	1	1	1	1	1	1
-75°	0	0	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	0	0	1	1	0
-80°	1	1	1	1	1	0	0	0	0	0	0
-82.5°	0	0	0	1	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	1	0	0	0	0	0	0
82.5°	1	1	1	0	0	0	0
80°	1	1	1	1	0	0	0
77.5°	1	1	1	1	0	0	0
75°	1	1	1	1	1	0	0
72.5°	1	1	1	1	1	0	0
70°	1	1	1	1	1	0	0
67.5°	1	1	1	1	1	0	0
65°	1	1	1	1	1	0	0
62.5°	2	1	1	1	1	0	0
60°	2	1	1	1	1	0	0
57.5°	2	2	1	1	1	1	0
55°	2	2	1	1	1	1	0
52.5°	2	2	2	1	1	1	0
50°	2	2	2	1	1	1	0
47.5°	2	2	2	1	1	1	0
45°	3	2	2	1	1	1	0
42.5°	3	2	3	1	1	1	0
40°	3	2	3	2	1	1	0
37.5°	4	2	3	2	1	1	0
35°	4	2	2	2	1	1	0
32.5°	4	2	2	2	1	1	0
30°	5	2	2	2	1	1	0
27.5°	5	2	2	2	1	1	0
25°	5	2	2	2	1	1	0
22.5°	4	2	2	2	1	1	0
20°	4	2	2	2	1	1	0
17.5°	3	3	2	2	1	1	0
15°	4	3	2	2	1	1	0
12.5°	4	3	2	2	1	1	0
10°	4	3	2	2	1	1	0
7.5°	4	3	2	2	1	1	0
5°	4	3	2	2	1	1	0
2.5°	4	3	2	2	1	1	0
0°	4	3	2	2	1	1	0
-2.5°	4	3	2	2	1	1	0
-5°	3	3	2	2	1	1	0
-7.5°	3	3	2	2	1	1	0
-10°	3	3	2	2	1	1	0
-12.5°	3	2	2	2	1	1	0
-15°	3	2	2	1	1	1	0
-17.5°	3	2	2	1	1	1	0
-20°	3	2	2	1	1	1	0



REPORT NUMBER: P132873

CATALOG NUMBER: XTOR2A-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2	2	2	1	1	1	0
-25°	2	2	2	1	1	1	0
-27.5°	2	2	2	1	1	1	0
-30°	2	2	1	1	1	1	0
-32.5°	1	2	1	1	1	1	0
-35°	1	2	1	1	1	1	0
-37.5°	1	1	1	1	1	1	0
-40°	1	1	1	1	1	1	0
-42.5°	1	1	1	0	1	1	0
-45°	1	1	1	0	1	1	0
-47.5°	1	1	1	0	1	1	0
-50°	1	1	1	0	1	1	0
-52.5°	1	1	1	0	1	1	0
-55°	1	1	1	0	1	1	0
-57.5°	1	1	1	0	1	1	0
-60°	1	1	1	1	1	0	0
-62.5°	1	1	1	1	1	0	0
-65°	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	0	0
-70°	1	1	0	1	1	0	0
-72.5°	1	0	0	1	1	0	0
-75°	1	0	0	0	1	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)