

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: P132874

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P132874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P132873)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR2A-N-XTORFLD+VISOR  
Description: LUMARK CROSSTOUR 20W LED WALL PACK WITH CARBON BRONZE HOUSING HOUSING  
Light Source: [1] 3500K LED  
Ballast/Driver: [1] ELECTRONIC DRIVER

**Summary**

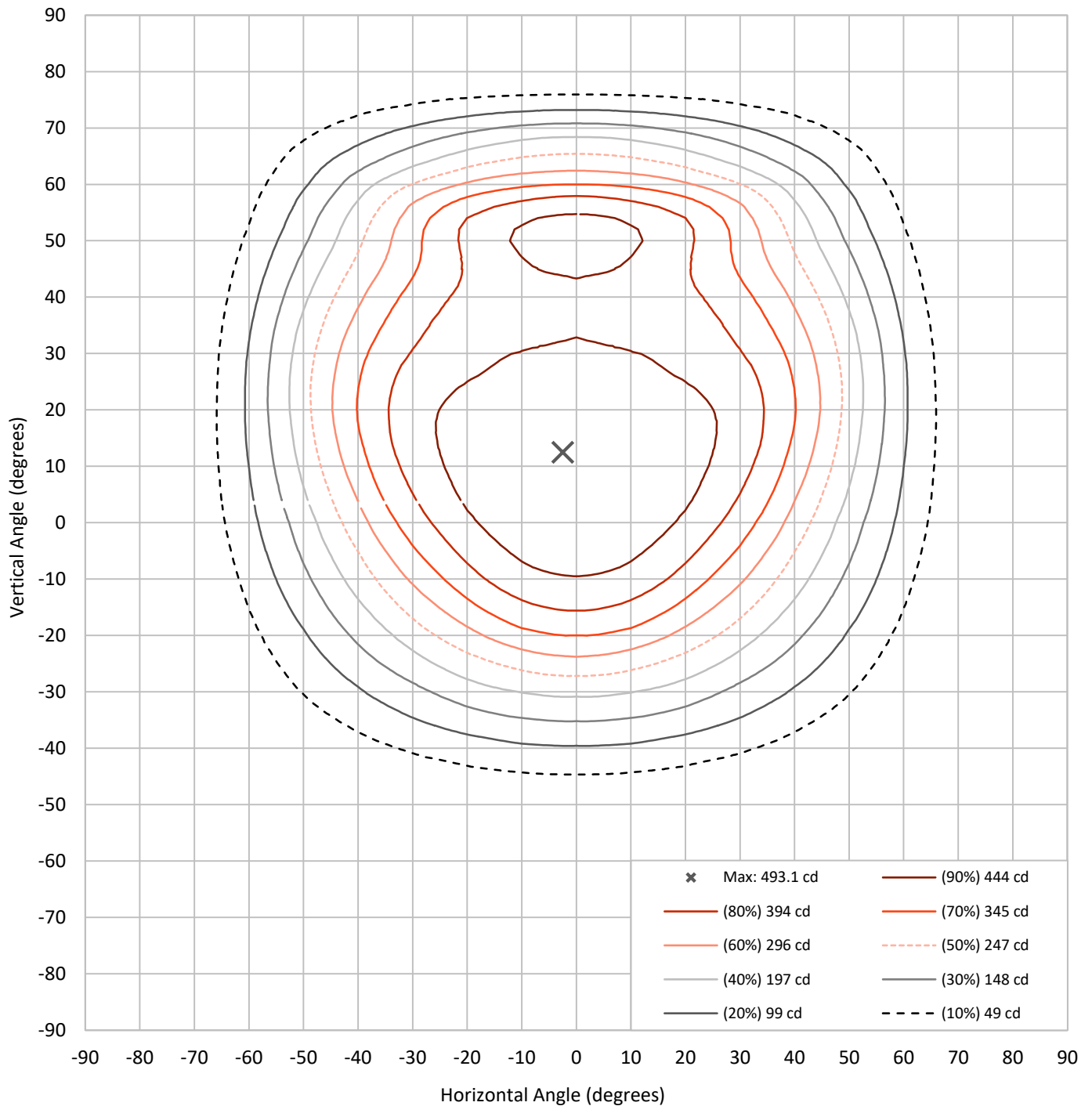
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	1004.7 lumens	Max Intensity:	493.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 12.5°V
Efficacy:	55.8 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.46' x L: 0.12' x H: 0.1')		
Beam Angle (50%):	95°H x 92.5°V	Field Angle (10%):	131.4°H x 120.5°V
Beam Lumens:	778.3 lumens	Field Lumens:	984.6 lumens
Beam Efficiency:	77.5%	Field Efficiency:	98.0%
Input Watts (W):	18		
Input Voltage (V):	NR		
Input Current (A <sub>in</sub> ):	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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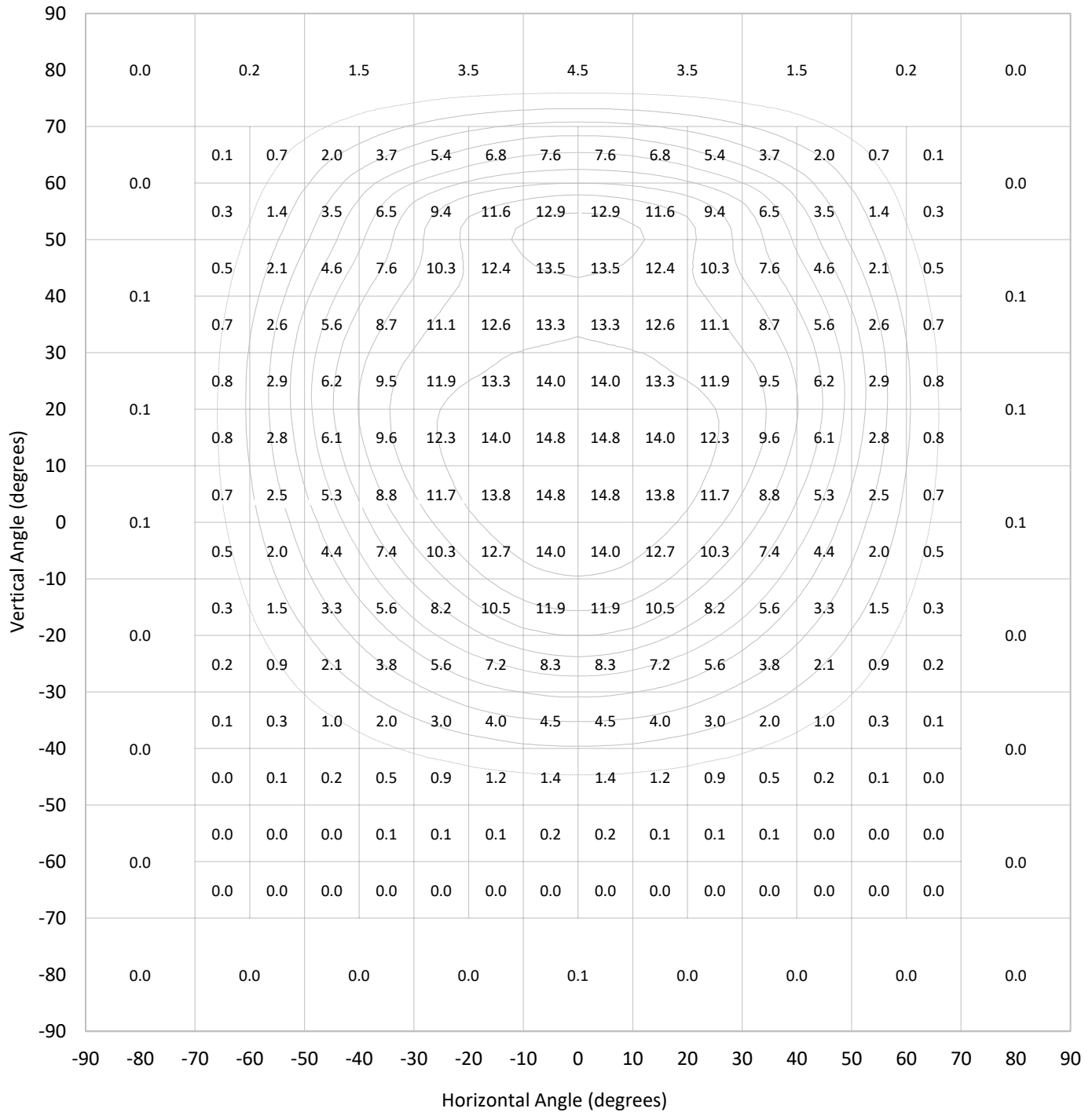
### Iso-Candela Plot





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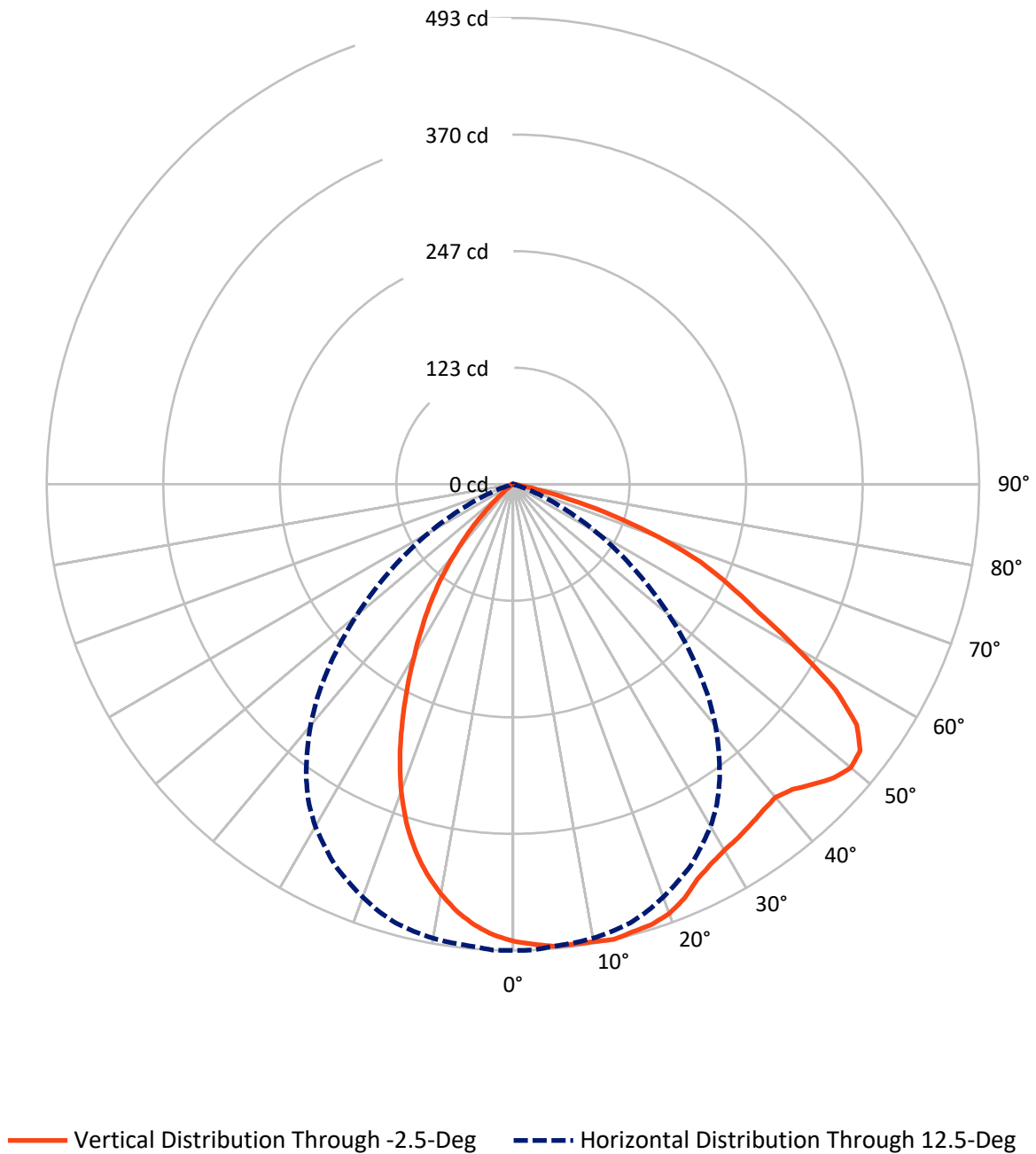
### Lumen Table



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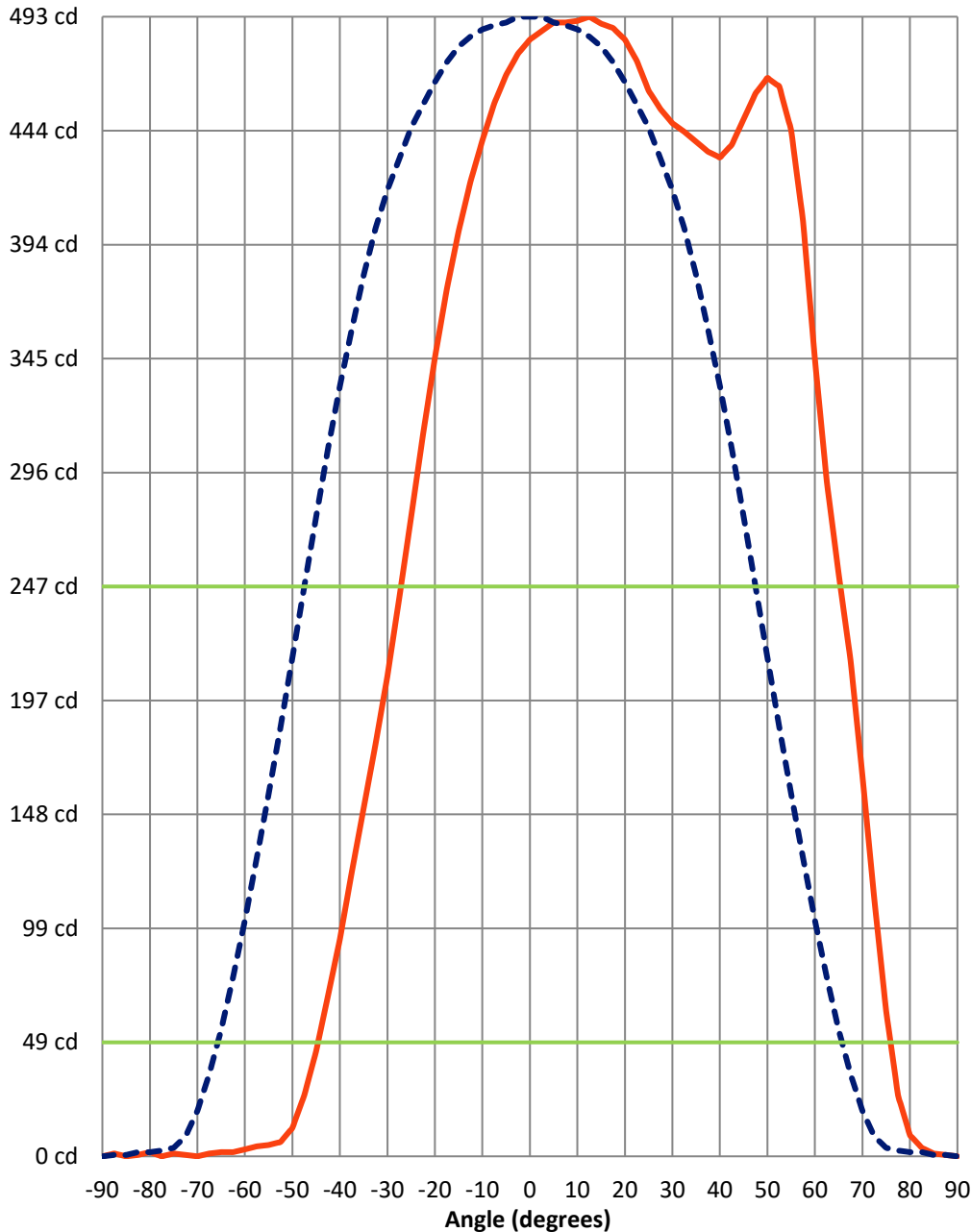
### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 95°  
 V Angle: 92.5°  
 Lumens: 778.3  
 Efficiency: 77.5%

**Field:**  
 H Angle: 131.4°  
 V Angle: 120.5°  
 Lumens: 984.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 20.1  
 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	7
62.5°	0	0	1	1	1	1	2	2	3	5	10
60°	0	0	1	1	1	1	2	3	3	7	13
57.5°	0	1	1	1	1	2	2	3	4	9	16
55°	0	1	1	1	1	2	2	3	6	10	20
52.5°	0	1	1	1	2	2	2	3	6	14	23
50°	0	1	1	1	2	2	2	4	7	16	27
47.5°	0	1	1	1	2	2	2	4	10	19	31
45°	0	1	1	1	2	2	3	5	12	22	34
42.5°	0	1	1	1	3	2	3	6	14	24	38
40°	0	1	1	2	3	2	3	7	15	26	41
37.5°	0	1	1	2	3	2	4	8	17	28	44
35°	0	1	1	2	2	2	4	9	18	30	47
32.5°	0	1	1	2	2	2	4	9	19	32	50
30°	0	1	1	2	2	2	4	9	19	33	53
27.5°	0	1	1	2	2	2	4	10	20	34	54
25°	0	1	1	2	2	2	4	10	20	36	55
22.5°	0	1	1	2	2	2	4	10	21	36	56
20°	0	1	1	2	2	2	4	10	21	37	57
17.5°	0	1	1	2	2	3	3	9	21	37	57
15°	0	1	1	2	2	3	4	9	20	36	56
12.5°	0	1	1	2	2	3	4	9	20	36	55
10°	0	1	1	2	2	3	4	9	19	34	54
7.5°	0	1	1	2	2	3	4	8	18	33	52
5°	0	1	1	2	2	3	4	7	17	32	50
2.5°	0	1	1	2	2	3	4	6	15	30	48
0°	0	1	1	2	2	3	4	6	14	28	45
-2.5°	0	1	1	2	2	3	4	6	12	25	42
-5°	0	1	1	2	2	3	3	5	11	23	38
-7.5°	0	1	1	2	2	3	3	4	9	20	34
-10°	0	1	1	2	2	3	3	4	7	17	30
-12.5°	0	1	1	2	2	2	3	4	6	15	26
-15°	0	1	1	1	2	2	3	4	6	12	23
-17.5°	0	1	1	1	2	2	3	3	5	10	19
-20°	0	1	1	1	2	2	3	3	4	9	15



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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	12
-25°	0	1	1	1	2	2	2	3	3	5	9
-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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**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	6	7	9	10	12	12
75°	3	3	5	7	10	13	15	19	23	26	30
72.5°	4	6	9	13	18	23	29	34	40	47	53
70°	6	10	15	22	28	36	44	52	60	70	78
67.5°	9	15	22	30	41	51	61	71	82	93	105
65°	13	20	29	41	55	65	80	92	105	119	131
62.5°	17	26	37	50	64	78	96	111	130	146	162
60°	22	32	46	60	74	92	111	130	153	175	193
57.5°	26	38	54	70	87	108	127	148	172	195	220
55°	31	44	61	77	97	121	142	165	190	213	239
52.5°	36	50	68	86	108	132	153	178	202	228	253
50°	41	57	75	96	119	141	162	189	212	238	263
47.5°	46	63	84	106	129	153	176	201	223	248	271
45°	50	70	92	115	140	164	189	214	238	261	283
42.5°	55	76	100	124	150	176	202	228	252	275	296
40°	60	82	107	133	161	188	214	240	264	287	308
37.5°	65	88	114	141	170	198	226	252	276	299	320
35°	69	94	121	149	180	208	236	263	287	311	331
32.5°	73	98	126	156	186	216	245	272	298	322	341
30°	76	101	130	161	191	222	252	279	307	330	351
27.5°	78	105	133	164	196	227	257	286	313	338	360
25°	79	106	135	167	198	231	261	291	318	343	366
22.5°	80	106	136	168	199	230	263	293	320	347	370
20°	80	106	136	167	197	229	261	293	322	347	370
17.5°	80	106	134	164	194	226	258	290	319	346	368
15°	79	105	132	161	191	221	253	283	314	341	364
12.5°	77	102	129	157	186	216	247	277	306	333	358
10°	75	99	125	153	180	209	239	268	297	324	350
7.5°	73	96	121	146	172	201	229	259	287	314	341
5°	70	92	116	141	165	192	219	248	276	301	329
2.5°	67	88	112	135	157	185	209	237	264	290	317
0°	63	83	106	127	149	174	197	224	251	276	302
-2.5°	59	79	100	121	142	166	188	214	238	263	289
-5°	54	74	94	114	134	156	178	201	224	247	272
-7.5°	50	68	87	106	125	147	167	189	211	232	256
-10°	45	62	81	99	117	137	157	177	198	218	240
-12.5°	40	56	73	91	108	127	146	165	185	204	223
-15°	36	50	66	82	99	116	135	152	171	189	205
-17.5°	31	44	58	74	90	105	123	140	156	173	189
-20°	26	38	50	65	80	94	110	126	141	158	173



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	21	31	43	56	70	83	97	113	127	142	156
-25°	17	26	36	47	60	73	84	99	112	126	140
-27.5°	13	20	29	39	50	62	73	85	97	109	122
-30°	10	15	22	31	41	51	62	71	82	93	105
-32.5°	7	11	17	23	31	41	50	58	67	77	87
-35°	5	8	12	17	23	31	39	46	53	62	70
-37.5°	4	6	7	12	16	22	29	34	40	47	54
-40°	3	4	5	7	10	14	19	25	29	34	39
-42.5°	2	3	4	4	7	9	11	15	19	22	26
-45°	2	3	3	3	4	5	7	8	11	13	16
-47.5°	2	3	3	3	3	4	4	5	6	7	8
-50°	2	3	3	3	3	3	3	3	3	4	4
-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°	6	6	7	7	7	7	7	8	9	9	9
77.5°	14	16	17	19	21	22	23	23	24	25	26
75°	33	36	39	43	47	49	52	54	57	58	60
72.5°	58	64	70	76	81	86	91	95	100	103	106
70°	87	95	103	111	119	127	135	141	147	153	157
67.5°	116	127	137	148	158	167	177	185	192	199	205
65°	145	158	170	181	192	204	214	223	231	237	243
62.5°	178	192	207	220	232	243	255	264	272	279	284
60°	213	232	247	263	278	290	303	314	322	329	335
57.5°	244	265	288	304	322	338	351	362	372	381	389
55°	264	288	314	334	354	371	388	399	410	420	429
52.5°	279	302	326	349	369	387	405	417	429	439	448
50°	286	309	331	352	371	389	405	419	432	443	451
47.5°	293	313	333	352	370	386	402	415	427	437	445
45°	302	322	339	356	371	386	398	409	419	429	437
42.5°	314	333	349	364	377	389	400	409	418	425	431
40°	327	345	360	374	387	398	406	413	419	424	429
37.5°	339	356	371	384	395	405	412	418	422	427	431
35°	349	365	380	392	403	410	417	424	430	433	436
32.5°	360	374	389	400	408	417	425	430	435	438	440
30°	371	385	397	408	416	424	432	436	440	443	445
27.5°	379	394	406	416	425	432	437	441	445	448	450
25°	385	400	414	424	433	440	444	447	451	456	458
22.5°	389	406	421	431	439	446	450	456	460	464	467
20°	390	410	424	435	445	452	459	464	468	473	478
17.5°	389	408	424	438	447	456	464	470	476	480	484
15°	388	406	422	435	447	457	465	473	479	483	487
12.5°	381	402	418	432	445	455	465	473	480	485	488
10°	373	394	411	426	440	452	463	472	479	483	486
7.5°	365	386	403	420	434	447	459	468	475	480	486
5°	354	376	394	412	426	441	453	463	470	478	483
2.5°	341	364	383	401	418	432	445	456	465	473	479
0°	326	349	368	389	405	421	435	446	457	466	473
-2.5°	312	335	355	374	391	408	423	435	446	457	464
-5°	296	318	339	358	376	393	409	422	434	445	453
-7.5°	279	301	322	341	359	376	393	407	419	431	441
-10°	262	283	303	322	340	358	374	391	403	414	424
-12.5°	244	264	283	302	320	337	354	370	384	396	405
-15°	225	245	263	280	297	315	331	347	361	374	384
-17.5°	207	225	242	259	274	290	306	321	335	348	360
-20°	188	205	221	237	252	264	279	293	307	319	329



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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°	170	183	199	213	228	240	253	264	276	286	296
-25°	152	164	177	190	202	215	226	235	245	254	262
-27.5°	134	145	155	167	178	189	200	208	215	221	229
-30°	116	125	135	144	155	165	174	183	189	194	199
-32.5°	97	106	116	124	131	140	149	156	163	167	171
-35°	77	87	95	103	110	116	122	129	135	141	144
-37.5°	61	67	74	82	88	94	99	103	108	113	116
-40°	44	50	55	61	66	71	76	80	83	87	90
-42.5°	29	34	38	43	46	49	54	58	61	63	65
-45°	19	20	22	26	28	31	34	36	39	41	43
-47.5°	10	10	12	14	14	16	19	20	22	23	24
-50°	5	5	6	7	8	7	7	9	10	10	11
-52.5°	3	3	4	4	5	4	4	5	5	5	6
-55°	3	3	3	3	3	3	3	3	4	4	4
-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-N-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°	9	9	9	10	9	9	9	9	9	9	8
77.5°	26	26	26	26	26	26	26	26	25	24	23
75°	61	63	63	63	63	63	61	60	58	57	54
72.5°	108	111	111	111	111	111	108	106	103	100	95
70°	161	164	165	165	165	164	161	157	153	147	141
67.5°	209	214	215	215	215	214	209	205	199	192	185
65°	247	250	252	253	252	250	247	243	237	231	223
62.5°	288	290	292	293	292	290	288	284	279	272	264
60°	339	343	345	344	345	343	339	335	329	322	314
57.5°	396	400	405	406	405	400	396	389	381	372	362
55°	435	440	444	445	444	440	435	429	420	410	399
52.5°	455	460	463	464	463	460	455	448	439	429	417
50°	458	463	467	469	467	463	458	451	443	432	419
47.5°	452	457	460	462	460	457	452	445	437	427	415
45°	443	447	449	451	449	447	443	437	429	419	409
42.5°	435	437	438	440	438	437	435	431	425	418	409
40°	430	432	432	433	432	432	430	429	424	419	413
37.5°	434	434	435	436	435	434	434	431	427	422	418
35°	438	439	439	440	439	439	438	436	433	430	424
32.5°	441	443	443	445	443	443	441	440	438	435	430
30°	446	446	447	448	447	446	446	445	443	440	436
27.5°	451	452	453	454	453	452	451	450	448	445	441
25°	459	461	461	462	461	461	459	458	456	451	447
22.5°	470	472	474	475	474	472	470	467	464	460	456
20°	480	482	483	485	483	482	480	478	473	468	464
17.5°	486	487	488	489	488	487	486	484	480	476	470
15°	489	489	490	491	490	489	489	487	483	479	473
12.5°	489	491	493	493	493	491	489	488	485	480	473
10°	489	491	491	493	491	491	489	486	483	479	472
7.5°	489	491	491	491	491	491	489	486	480	475	468
5°	487	489	491	491	491	489	487	483	478	470	463
2.5°	483	486	487	488	487	486	483	479	473	465	456
0°	478	481	483	483	483	481	478	473	466	457	446
-2.5°	470	475	477	478	477	475	470	464	457	446	435
-5°	460	465	468	469	468	465	460	453	445	434	422
-7.5°	448	453	456	456	456	453	448	441	431	419	407
-10°	432	437	440	441	440	437	432	424	414	403	391
-12.5°	413	419	422	423	422	419	413	405	396	384	370
-15°	391	397	400	401	400	397	391	384	374	361	347
-17.5°	366	371	375	375	375	371	366	360	348	335	321
-20°	336	342	346	345	346	342	336	329	319	307	293



REPORT NUMBER: P132874

CATALOG NUMBER: XTOR2A-N-XTORFLD+VISOR

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	303	309	312	315	312	309	303	296	286	276	264
-25°	269	274	277	278	277	274	269	262	254	245	235
-27.5°	235	239	242	242	242	239	235	229	221	215	208
-30°	202	206	208	207	208	206	202	199	194	189	183
-32.5°	174	177	178	178	178	177	174	171	167	163	156
-35°	146	149	151	150	151	149	146	144	141	135	129
-37.5°	119	121	123	122	123	121	119	116	113	108	103
-40°	92	93	94	94	94	93	92	90	87	83	80
-42.5°	68	68	70	70	70	68	68	65	63	61	58
-45°	44	45	46	45	46	45	44	43	41	39	36
-47.5°	24	25	26	26	26	25	24	24	23	22	20
-50°	12	12	12	12	12	12	12	11	10	10	9
-52.5°	7	7	6	6	6	7	7	6	5	5	5
-55°	5	5	5	5	5	5	5	4	4	4	3
-57.5°	3	4	4	4	4	4	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: P132874

CATALOG NUMBER: XTOR2A-N-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°	7	7	7	7	7	6	6	5	4	3	3
77.5°	23	22	21	19	17	16	14	12	12	10	9
75°	52	49	47	43	39	36	33	30	26	23	19
72.5°	91	86	81	76	70	64	58	53	47	40	34
70°	135	127	119	111	103	95	87	78	70	60	52
67.5°	177	167	158	148	137	127	116	105	93	82	71
65°	214	204	192	181	170	158	145	131	119	105	92
62.5°	255	243	232	220	207	192	178	162	146	130	111
60°	303	290	278	263	247	232	213	193	175	153	130
57.5°	351	338	322	304	288	265	244	220	195	172	148
55°	388	371	354	334	314	288	264	239	213	190	165
52.5°	405	387	369	349	326	302	279	253	228	202	178
50°	405	389	371	352	331	309	286	263	238	212	189
47.5°	402	386	370	352	333	313	293	271	248	223	201
45°	398	386	371	356	339	322	302	283	261	238	214
42.5°	400	389	377	364	349	333	314	296	275	252	228
40°	406	398	387	374	360	345	327	308	287	264	240
37.5°	412	405	395	384	371	356	339	320	299	276	252
35°	417	410	403	392	380	365	349	331	311	287	263
32.5°	425	417	408	400	389	374	360	341	322	298	272
30°	432	424	416	408	397	385	371	351	330	307	279
27.5°	437	432	425	416	406	394	379	360	338	313	286
25°	444	440	433	424	414	400	385	366	343	318	291
22.5°	450	446	439	431	421	406	389	370	347	320	293
20°	459	452	445	435	424	410	390	370	347	322	293
17.5°	464	456	447	438	424	408	389	368	346	319	290
15°	465	457	447	435	422	406	388	364	341	314	283
12.5°	465	455	445	432	418	402	381	358	333	306	277
10°	463	452	440	426	411	394	373	350	324	297	268
7.5°	459	447	434	420	403	386	365	341	314	287	259
5°	453	441	426	412	394	376	354	329	301	276	248
2.5°	445	432	418	401	383	364	341	317	290	264	237
0°	435	421	405	389	368	349	326	302	276	251	224
-2.5°	423	408	391	374	355	335	312	289	263	238	214
-5°	409	393	376	358	339	318	296	272	247	224	201
-7.5°	393	376	359	341	322	301	279	256	232	211	189
-10°	374	358	340	322	303	283	262	240	218	198	177
-12.5°	354	337	320	302	283	264	244	223	204	185	165
-15°	331	315	297	280	263	245	225	205	189	171	152
-17.5°	306	290	274	259	242	225	207	189	173	156	140
-20°	279	264	252	237	221	205	188	173	158	141	126



REPORT NUMBER: P132874

CATALOG NUMBER: XTOR2A-N-XTORFLD+VISOR

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	253	240	228	213	199	183	170	156	142	127	113
-25°	226	215	202	190	177	164	152	140	126	112	99
-27.5°	200	189	178	167	155	145	134	122	109	97	85
-30°	174	165	155	144	135	125	116	105	93	82	71
-32.5°	149	140	131	124	116	106	97	87	77	67	58
-35°	122	116	110	103	95	87	77	70	62	53	46
-37.5°	99	94	88	82	74	67	61	54	47	40	34
-40°	76	71	66	61	55	50	44	39	34	29	25
-42.5°	54	49	46	43	38	34	29	26	22	19	15
-45°	34	31	28	26	22	20	19	16	13	11	8
-47.5°	19	16	14	14	12	10	10	8	7	6	5
-50°	7	7	8	7	6	5	5	4	4	3	3
-52.5°	4	4	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: P132874

CATALOG NUMBER: XTOR2A-N-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°	7	6	4	3	3	2	1	1	1	1	1
75°	15	13	10	7	5	3	3	2	1	1	1
72.5°	29	23	18	13	9	6	4	3	2	1	1
70°	44	36	28	22	15	10	6	4	2	1	1
67.5°	61	51	41	30	22	15	9	6	3	2	1
65°	80	65	55	41	29	20	13	7	4	3	2
62.5°	96	78	64	50	37	26	17	10	5	3	2
60°	111	92	74	60	46	32	22	13	7	3	3
57.5°	127	108	87	70	54	38	26	16	9	4	3
55°	142	121	97	77	61	44	31	20	10	6	3
52.5°	153	132	108	86	68	50	36	23	14	6	3
50°	162	141	119	96	75	57	41	27	16	7	4
47.5°	176	153	129	106	84	63	46	31	19	10	4
45°	189	164	140	115	92	70	50	34	22	12	5
42.5°	202	176	150	124	100	76	55	38	24	14	6
40°	214	188	161	133	107	82	60	41	26	15	7
37.5°	226	198	170	141	114	88	65	44	28	17	8
35°	236	208	180	149	121	94	69	47	30	18	9
32.5°	245	216	186	156	126	98	73	50	32	19	9
30°	252	222	191	161	130	101	76	53	33	19	9
27.5°	257	227	196	164	133	105	78	54	34	20	10
25°	261	231	198	167	135	106	79	55	36	20	10
22.5°	263	230	199	168	136	106	80	56	36	21	10
20°	261	229	197	167	136	106	80	57	37	21	10
17.5°	258	226	194	164	134	106	80	57	37	21	9
15°	253	221	191	161	132	105	79	56	36	20	9
12.5°	247	216	186	157	129	102	77	55	36	20	9
10°	239	209	180	153	125	99	75	54	34	19	9
7.5°	229	201	172	146	121	96	73	52	33	18	8
5°	219	192	165	141	116	92	70	50	32	17	7
2.5°	209	185	157	135	112	88	67	48	30	15	6
0°	197	174	149	127	106	83	63	45	28	14	6
-2.5°	188	166	142	121	100	79	59	42	25	12	6
-5°	178	156	134	114	94	74	54	38	23	11	5
-7.5°	167	147	125	106	87	68	50	34	20	9	4
-10°	157	137	117	99	81	62	45	30	17	7	4
-12.5°	146	127	108	91	73	56	40	26	15	6	4
-15°	135	116	99	82	66	50	36	23	12	6	4
-17.5°	123	105	90	74	58	44	31	19	10	5	3
-20°	110	94	80	65	50	38	26	15	9	4	3



REPORT NUMBER: P132874

CATALOG NUMBER: XTOR2A-N-XTORFLD+VISOR

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	97	83	70	56	43	31	21	12	7	4	3
-25°	84	73	60	47	36	26	17	9	5	3	3
-27.5°	73	62	50	39	29	20	13	7	4	3	3
-30°	62	51	41	31	22	15	10	6	3	3	2
-32.5°	50	41	31	23	17	11	7	4	3	3	2
-35°	39	31	23	17	12	8	5	3	3	3	2
-37.5°	29	22	16	12	7	6	4	2	2	2	2
-40°	19	14	10	7	5	4	3	2	2	3	2
-42.5°	11	9	7	4	4	3	2	2	2	3	2
-45°	7	5	4	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: P132874

CATALOG NUMBER: XTOR2A-N-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°	4	2	2	2	1	1	0
27.5°	4	2	2	2	1	1	0
25°	4	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: P132874

CATALOG NUMBER: XTOR2A-N-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)