

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: P132875

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P132875
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR2A-WT-XTORFLD+VISOR
Description: LUMARK CROSSTOUR 20W LED WALL PACK WITH WHITE HOUSING
Light Source: [1] 5000K LED
Ballast/Driver: [1] ELECTRONIC DRIVER

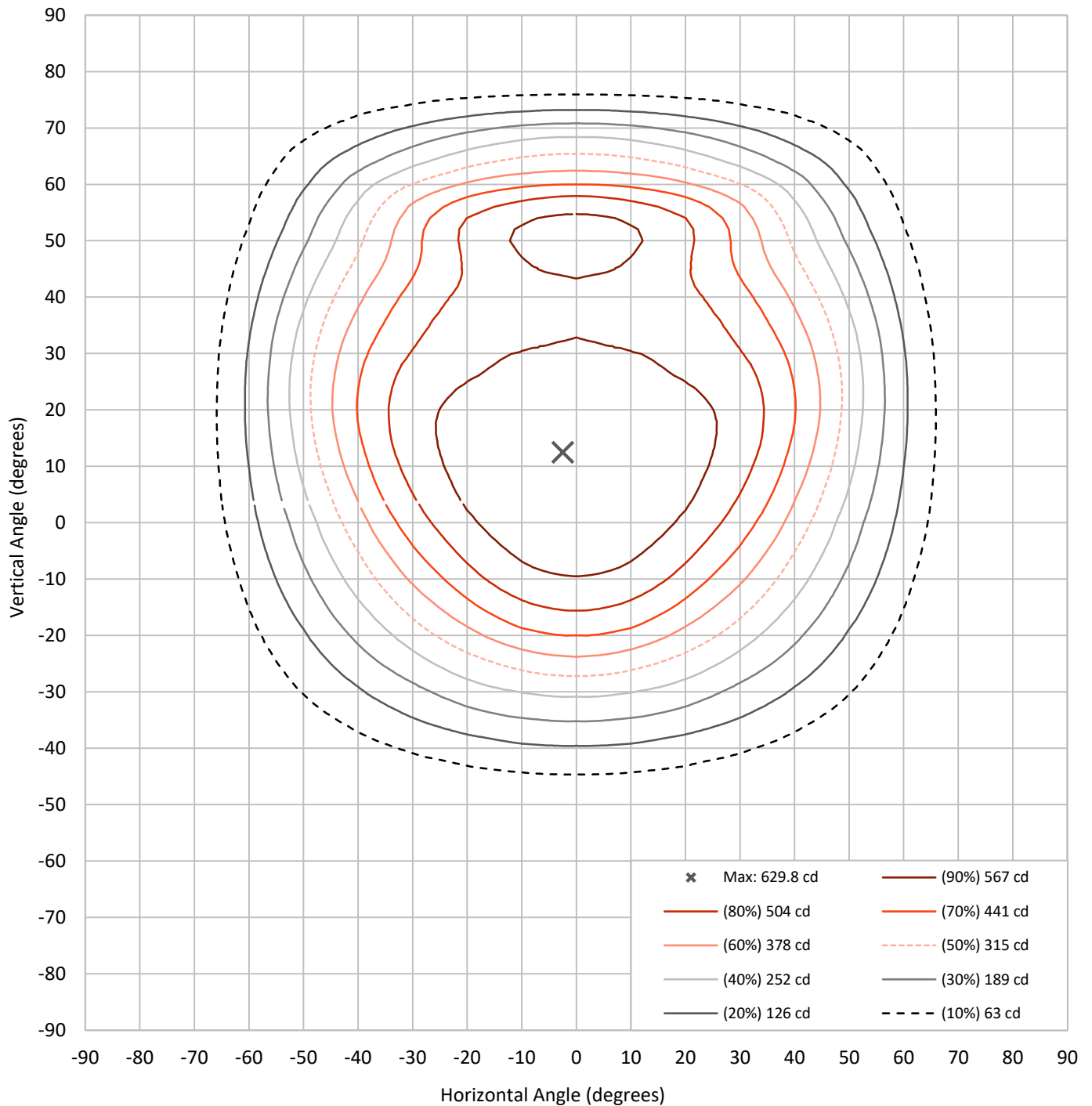
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	1283.4 lumens	Max Intensity:	629.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 12.5°V
Efficacy:	71.3 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:	994.1 lumens	Field Lumens:	1257.6 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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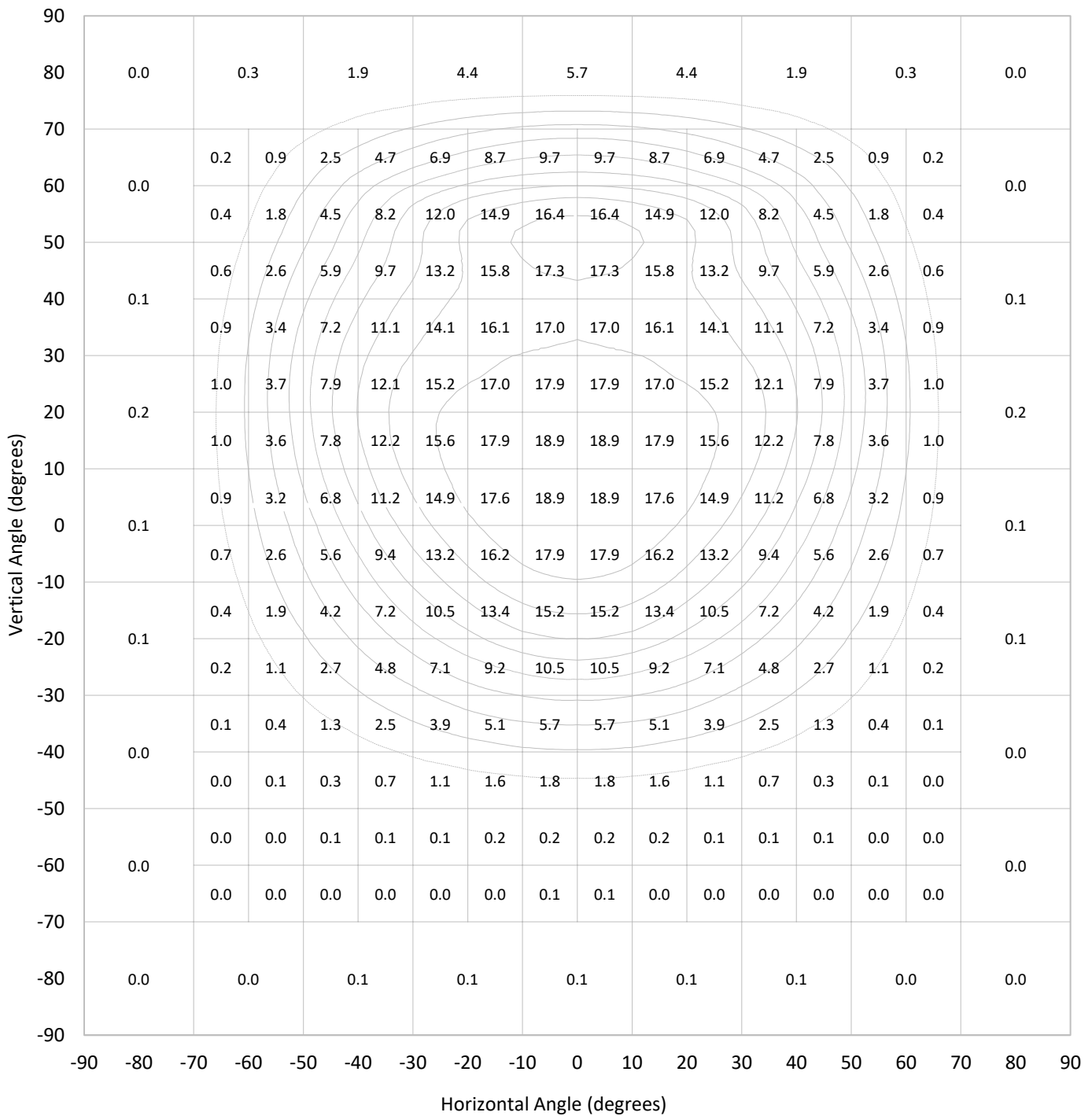
Iso-Candela Plot





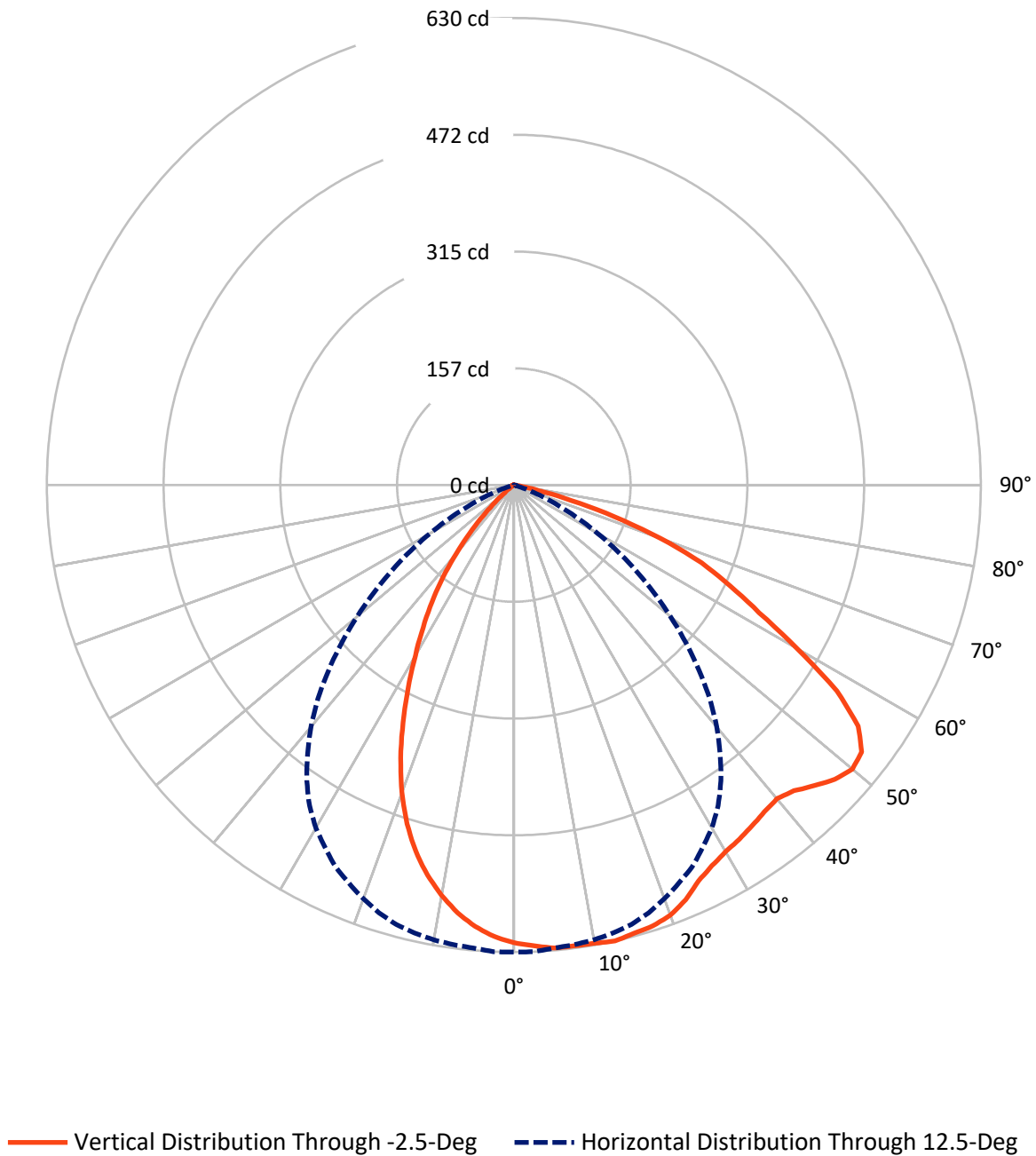
REPORT NUMBER: P132875
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Lumen Table



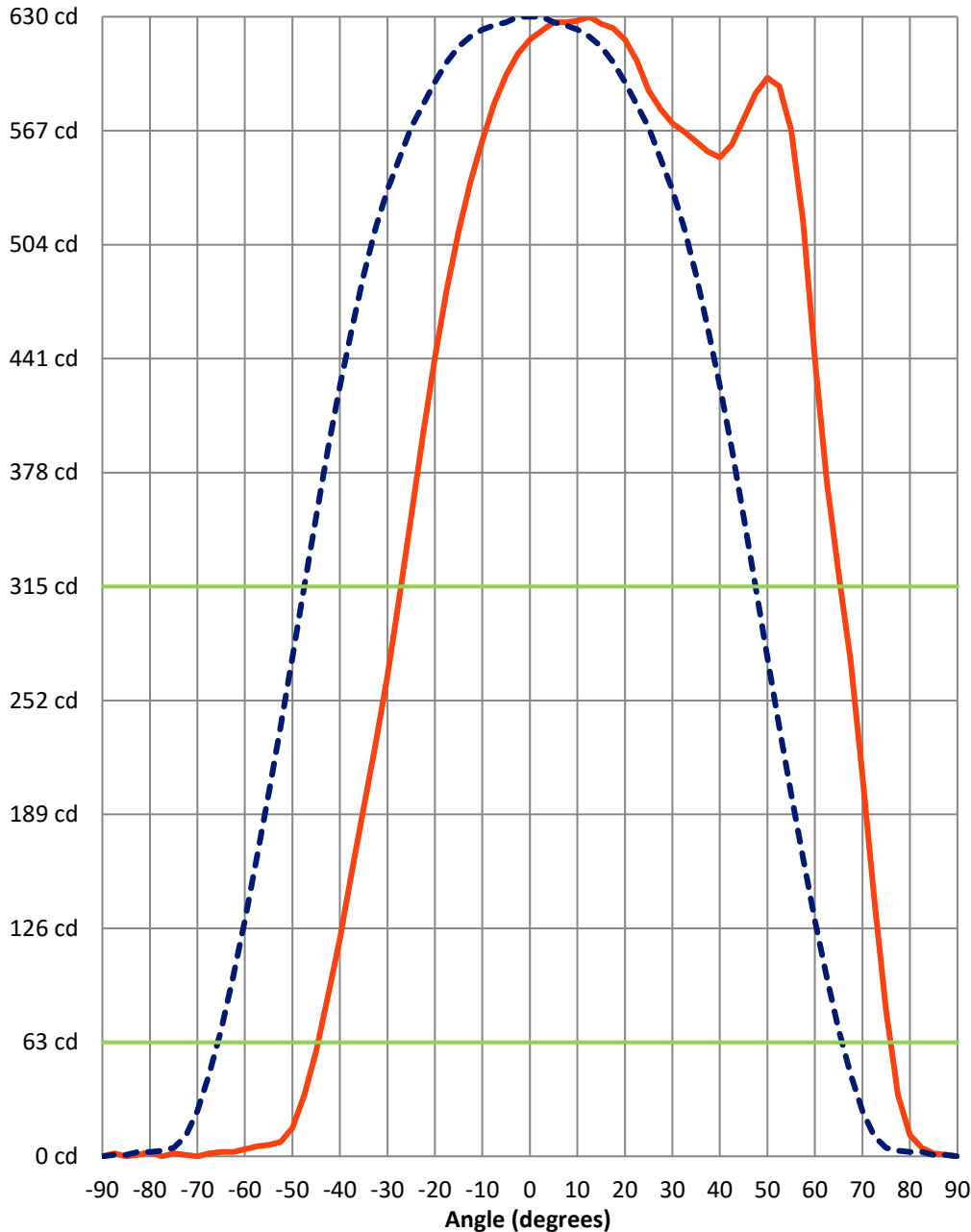
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 95°
 V Angle: 92.5°
 Lumens: 994.1
 Efficiency: 77.5%

Field:
 H Angle: 131.4°
 V Angle: 120.5°
 Lumens: 1257.6
 Efficiency: 98.0%

Spill:
 Lumens: 25.7
 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	2
77.5°	0	0	0	1	1	1	1	1	1	1	2
75°	0	0	1	1	1	1	1	1	1	2	2
72.5°	0	0	1	1	1	1	1	1	2	2	3
70°	0	0	1	1	1	1	1	2	2	2	5
67.5°	0	0	1	1	2	2	2	2	2	4	7
65°	0	0	1	1	2	2	2	2	3	5	9
62.5°	0	0	1	1	2	2	2	2	4	6	13
60°	0	0	1	1	2	2	2	3	4	9	17
57.5°	0	1	1	2	2	2	2	3	6	11	20
55°	0	1	1	2	2	2	2	3	7	13	25
52.5°	0	1	1	2	2	2	2	4	8	17	30
50°	0	1	1	2	2	2	2	5	9	20	35
47.5°	0	1	1	2	2	2	2	6	13	24	39
45°	0	1	1	2	2	2	3	6	15	28	43
42.5°	0	1	1	2	3	2	4	8	17	31	48
40°	0	1	1	2	3	2	4	9	19	33	53
37.5°	0	1	1	2	3	2	5	10	21	35	57
35°	0	1	1	2	2	2	5	11	23	39	61
32.5°	0	1	1	2	2	2	5	12	24	41	64
30°	0	1	1	2	2	2	6	12	24	42	68
27.5°	0	1	1	2	2	2	6	13	25	44	69
25°	0	1	1	2	2	2	6	13	26	46	71
22.5°	0	1	1	2	2	2	5	13	27	46	72
20°	0	1	1	2	2	2	5	13	27	47	72
17.5°	0	1	1	2	2	3	4	12	27	47	72
15°	0	1	1	2	2	3	5	12	26	46	72
12.5°	0	1	1	2	2	3	5	11	25	46	70
10°	0	1	1	2	2	3	5	11	24	44	68
7.5°	0	1	1	2	2	3	5	10	23	42	66
5°	0	1	1	2	2	3	5	9	21	41	64
2.5°	0	1	1	2	2	3	5	8	20	39	61
0°	0	1	1	2	2	3	5	7	17	35	57
-2.5°	0	1	1	2	2	3	5	7	16	32	53
-5°	0	1	1	2	2	3	4	6	14	30	49
-7.5°	0	1	1	2	2	3	4	6	12	26	43
-10°	0	1	1	2	2	3	4	6	9	22	39
-12.5°	0	1	1	2	2	2	3	5	8	19	34
-15°	0	1	1	2	2	2	3	5	7	16	29
-17.5°	0	1	1	2	2	2	3	4	6	13	24
-20°	0	1	1	2	2	2	3	4	6	11	20



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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	2	2	2	2	3	5	9	15
-25°	0	1	1	2	2	2	2	3	4	6	12
-27.5°	0	1	1	2	2	2	2	3	3	5	9
-30°	0	1	1	1	2	2	2	2	3	4	7
-32.5°	0	1	1	1	2	2	2	2	3	3	5
-35°	0	1	1	1	2	2	2	2	3	3	3
-37.5°	0	1	1	1	2	2	2	2	2	2	2
-40°	0	1	1	1	2	2	2	2	3	2	2
-42.5°	0	1	1	0	2	2	2	2	3	2	2
-45°	0	1	1	0	2	2	2	2	2	2	2
-47.5°	0	1	1	0	2	2	2	2	2	2	2
-50°	0	1	1	0	1	2	2	2	2	2	2
-52.5°	0	1	1	0	1	2	2	2	2	2	2
-55°	0	1	1	0	1	2	2	1	2	2	2
-57.5°	0	1	1	0	1	2	2	1	1	2	2
-60°	0	0	1	1	1	1	2	1	1	1	1
-62.5°	0	0	1	1	1	1	2	2	1	0	1
-65°	0	0	1	1	1	1	2	2	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	2
-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	2	2	2	2
82.5°	1	1	1	2	1	1	1	2	2	2	2
80°	1	1	2	2	2	3	3	4	4	5	6
77.5°	2	2	3	4	5	8	9	12	13	15	16
75°	3	4	6	9	13	17	20	24	30	34	39
72.5°	5	8	12	17	23	30	37	44	51	60	68
70°	8	13	19	28	36	46	57	67	77	89	100
67.5°	12	19	28	39	53	65	78	91	104	119	134
65°	17	25	37	52	70	83	102	118	134	152	167
62.5°	21	33	47	64	82	100	123	142	167	186	207
60°	28	41	58	77	95	118	141	166	195	223	247
57.5°	34	49	69	90	111	137	163	189	220	249	280
55°	39	57	78	99	124	155	181	211	243	273	306
52.5°	46	64	86	109	138	168	196	228	258	291	323
50°	52	72	96	123	152	180	207	241	271	304	335
47.5°	58	80	107	135	165	195	225	257	285	317	346
45°	64	89	117	147	178	210	242	273	304	334	361
42.5°	71	97	127	158	192	225	258	291	322	351	378
40°	76	104	137	170	205	240	273	307	338	367	393
37.5°	83	112	145	181	218	253	289	322	353	382	408
35°	88	119	154	191	230	265	301	335	367	397	423
32.5°	93	126	161	200	237	276	313	347	381	411	436
30°	97	130	166	206	244	284	321	357	392	422	448
27.5°	100	134	170	210	250	290	328	365	400	431	460
25°	101	135	173	213	253	295	333	371	406	438	467
22.5°	102	136	174	214	254	294	336	375	409	443	472
20°	102	136	174	213	252	292	334	374	412	444	473
17.5°	102	135	171	210	248	288	330	370	408	441	470
15°	101	134	169	206	243	283	324	362	401	435	465
12.5°	99	130	165	200	237	276	315	353	391	426	457
10°	96	126	159	195	229	267	305	342	379	414	447
7.5°	93	123	154	187	220	257	293	331	367	401	435
5°	90	118	148	180	211	246	280	317	352	385	420
2.5°	86	112	143	172	201	236	267	303	338	370	404
0°	80	106	135	162	190	222	252	287	320	353	386
-2.5°	75	101	128	155	181	212	240	273	304	336	369
-5°	69	94	120	145	171	200	227	257	286	316	348
-7.5°	64	87	112	136	160	188	214	242	269	297	328
-10°	57	79	103	126	149	175	200	226	253	279	306
-12.5°	51	72	94	116	138	162	186	211	236	260	285
-15°	46	64	84	105	126	148	172	194	218	241	262
-17.5°	39	56	75	94	115	134	157	178	200	222	242
-20°	33	48	64	83	102	119	141	161	181	202	221



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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°	27	40	55	72	90	106	124	144	162	181	200
-25°	21	33	46	61	77	93	108	126	143	161	178
-27.5°	17	26	37	50	64	79	93	108	124	139	156
-30°	13	20	28	39	53	65	79	90	105	119	134
-32.5°	9	14	21	30	40	52	64	74	86	98	111
-35°	6	10	15	21	30	39	50	58	68	79	90
-37.5°	5	7	9	15	20	28	37	44	51	60	69
-40°	3	6	6	9	13	18	24	31	37	43	50
-42.5°	2	4	5	5	9	11	14	20	24	28	33
-45°	2	4	4	4	6	6	9	10	14	17	20
-47.5°	2	3	4	4	4	5	5	6	7	9	10
-50°	2	3	3	3	3	4	3	3	4	5	6
-52.5°	2	3	3	2	3	4	3	3	3	4	4
-55°	2	3	2	2	2	3	3	2	2	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	1	2	2	2	2
-62.5°	1	1	2	1	1	2	1	1	1	2	2
-65°	1	0	0	1	0	1	1	1	2	1	1
-67.5°	1	0	0	2	2	1	1	1	1	1	1
-70°	1	0	0	1	2	2	1	1	1	1	1
-72.5°	2	1	0	1	1	1	1	2	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	2	2	2	2
-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°	2	1	1	1	2	2	2	2	2	2	2
82.5°	3	3	3	3	4	4	4	4	5	5	5
80°	8	8	9	9	9	9	9	10	12	12	11
77.5°	18	20	22	24	27	28	29	30	31	32	33
75°	42	46	50	55	60	63	66	69	72	75	76
72.5°	75	82	89	97	104	110	116	122	127	132	135
70°	111	122	132	142	152	163	172	180	188	195	201
67.5°	148	162	175	189	202	214	225	236	245	254	262
65°	185	202	218	231	246	260	273	285	295	302	310
62.5°	227	246	264	281	296	310	325	338	348	356	363
60°	273	296	316	336	355	371	386	401	412	420	428
57.5°	311	339	368	388	411	432	448	463	475	487	497
55°	338	368	401	426	452	474	496	510	524	536	547
52.5°	357	386	416	445	471	494	518	533	548	561	572
50°	365	394	423	449	474	496	518	536	551	565	576
47.5°	374	400	426	449	472	493	513	530	545	558	569
45°	386	411	433	455	474	493	509	522	536	548	558
42.5°	401	425	446	465	481	497	511	522	534	543	551
40°	417	441	460	478	494	508	519	528	536	542	547
37.5°	433	455	474	490	505	517	526	534	540	546	551
35°	446	467	485	501	515	524	532	541	549	553	557
32.5°	459	478	496	510	521	532	543	549	555	559	562
30°	474	492	507	521	532	541	551	557	562	566	568
27.5°	484	503	518	532	543	551	558	563	569	573	575
25°	492	511	529	542	553	562	567	571	576	582	585
22.5°	496	518	537	551	561	569	575	582	587	592	597
20°	498	523	542	556	568	577	586	592	598	605	610
17.5°	497	521	542	559	571	583	592	600	608	613	618
15°	496	518	540	556	571	584	594	604	612	617	622
12.5°	487	513	534	551	569	581	594	605	613	619	623
10°	477	503	525	544	562	577	591	603	612	617	621
7.5°	466	492	515	536	554	571	586	598	607	613	620
5°	452	480	503	526	544	563	579	591	601	610	617
2.5°	436	465	489	512	534	552	569	582	595	604	612
0°	416	446	470	496	518	538	555	570	584	595	604
-2.5°	399	427	453	478	500	521	540	556	570	584	593
-5°	378	406	434	457	480	502	522	540	554	568	579
-7.5°	357	384	412	435	458	481	502	520	536	551	564
-10°	335	362	387	412	434	457	478	500	514	529	541
-12.5°	312	338	362	386	408	430	452	473	491	506	518
-15°	287	313	336	358	379	402	423	444	461	478	490
-17.5°	264	287	309	331	350	371	390	410	428	445	459
-20°	240	262	282	302	321	338	357	375	393	407	420



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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°	217	234	254	273	291	307	323	337	352	365	378
-25°	194	209	225	243	258	275	288	300	313	324	335
-27.5°	171	185	198	213	228	242	255	266	275	283	292
-30°	148	160	173	184	198	211	222	233	242	247	254
-32.5°	123	136	148	158	167	179	191	200	208	214	218
-35°	99	111	122	131	140	148	156	165	173	180	184
-37.5°	78	86	95	104	112	119	126	132	137	144	148
-40°	57	64	71	78	85	91	97	102	106	111	115
-42.5°	37	43	49	54	58	63	69	75	78	80	83
-45°	24	26	28	33	36	39	43	46	50	53	54
-47.5°	13	13	16	17	18	20	24	25	28	29	31
-50°	6	6	8	9	10	9	9	11	13	13	14
-52.5°	4	4	5	5	6	6	6	6	6	6	8
-55°	3	3	3	3	4	3	3	4	5	5	6
-57.5°	2	2	2	2	2	2	2	3	3	3	4
-60°	2	2	2	2	2	2	2	2	2	2	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	1	1	1	2	2	2	2
-67.5°	1	2	2	2	2	1	1	1	1	1	2
-70°	1	1	2	2	1	1	1	1	1	1	0
-72.5°	1	1	2	2	1	1	1	1	1	1	2
-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°	2	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



REPORT NUMBER: P132875

CATALOG NUMBER: XTOR2A-WT-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°	2	2	2	2	2	2	2	2	2	2	2
82.5°	5	5	5	4	5	5	5	5	5	5	4
80°	12	12	12	13	12	12	12	11	12	12	10
77.5°	33	34	34	33	34	34	33	33	32	31	30
75°	78	80	80	80	80	80	78	76	75	72	69
72.5°	138	142	142	142	142	142	138	135	132	127	122
70°	205	210	211	211	211	210	205	201	195	188	180
67.5°	267	273	274	275	274	273	267	262	254	245	236
65°	316	320	322	323	322	320	316	310	302	295	285
62.5°	368	371	373	374	373	371	368	363	356	348	338
60°	434	438	441	440	441	438	434	428	420	412	401
57.5°	506	511	517	518	517	511	506	497	487	475	463
55°	556	562	567	568	567	562	556	547	536	524	510
52.5°	581	587	591	592	591	587	581	572	561	548	533
50°	585	591	596	598	596	591	585	576	565	551	536
47.5°	577	584	587	590	587	584	577	569	558	545	530
45°	566	571	573	576	573	571	566	558	548	536	522
42.5°	555	558	559	562	559	558	555	551	543	534	522
40°	550	551	552	553	552	551	550	547	542	536	528
37.5°	554	554	555	557	555	554	554	551	546	540	534
35°	559	561	561	562	561	561	559	557	553	549	541
32.5°	564	565	566	568	566	565	564	562	559	555	549
30°	569	569	571	572	571	569	569	568	566	562	557
27.5°	576	577	579	580	579	577	576	575	573	569	563
25°	587	589	589	591	589	589	587	585	582	576	571
22.5°	600	603	606	607	606	603	600	597	592	587	582
20°	613	616	617	620	617	616	613	610	605	598	592
17.5°	620	622	624	624	624	622	620	618	613	608	600
15°	624	625	626	627	626	625	624	622	617	612	604
12.5°	625	627	630	630	630	627	625	623	619	613	605
10°	624	627	628	629	628	627	624	621	617	612	603
7.5°	624	627	627	628	627	627	624	620	613	607	598
5°	622	625	627	628	627	625	622	617	610	601	591
2.5°	617	621	622	624	622	621	617	612	604	595	582
0°	611	615	617	617	617	615	611	604	595	584	570
-2.5°	601	607	609	610	609	607	601	593	584	570	556
-5°	587	594	598	599	598	594	587	579	568	554	540
-7.5°	572	578	582	582	582	578	572	564	551	536	520
-10°	552	558	562	563	562	558	552	541	529	514	500
-12.5°	528	535	539	540	539	535	528	518	506	491	473
-15°	500	507	511	512	511	507	500	490	478	461	444
-17.5°	467	474	479	479	479	474	467	459	445	428	410
-20°	429	437	441	441	441	437	429	420	407	393	375



REPORT NUMBER: P132875

CATALOG NUMBER: XTOR2A-WT-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	387	395	399	402	399	395	387	378	365	352	337
-25°	344	350	353	355	353	350	344	335	324	313	300
-27.5°	300	306	309	309	309	306	300	292	283	275	266
-30°	258	263	265	265	265	263	258	254	247	242	233
-32.5°	222	226	228	227	228	226	222	218	214	208	200
-35°	187	190	192	192	192	190	187	184	180	173	165
-37.5°	152	155	157	156	157	155	152	148	144	137	132
-40°	117	119	120	119	120	119	117	115	111	106	102
-42.5°	86	87	89	89	89	87	86	83	80	78	75
-45°	57	57	58	57	58	57	57	54	53	50	46
-47.5°	31	32	34	34	34	32	31	31	29	28	25
-50°	16	16	16	15	16	16	16	14	13	13	11
-52.5°	9	9	8	8	8	9	9	8	6	6	6
-55°	6	6	6	6	6	6	6	6	5	5	4
-57.5°	4	6	6	6	6	6	4	4	3	3	3
-60°	3	4	4	4	4	4	3	3	2	2	2
-62.5°	3	2	2	2	2	2	3	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	1	2	2	2	2	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	2	1	1	2	1	1	2	2	1	1	1
-75°	1	2	2	0	2	2	1	0	0	0	1
-77.5°	1	0	0	1	0	0	1	1	1	0	1
-80°	1	1	2	4	2	1	1	1	1	1	1
-82.5°	1	1	1	2	1	1	1	1	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	1	1	2	2	2	1	1	1	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P132875

CATALOG NUMBER: XTOR2A-WT-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°	2	2	2	1	1	1	2	2	2	2	2
82.5°	4	4	4	3	3	3	3	2	2	2	2
80°	9	9	9	9	9	8	8	6	5	4	4
77.5°	29	28	27	24	22	20	18	16	15	13	12
75°	66	63	60	55	50	46	42	39	34	30	24
72.5°	116	110	104	97	89	82	75	68	60	51	44
70°	172	163	152	142	132	122	111	100	89	77	67
67.5°	225	214	202	189	175	162	148	134	119	104	91
65°	273	260	246	231	218	202	185	167	152	134	118
62.5°	325	310	296	281	264	246	227	207	186	167	142
60°	386	371	355	336	316	296	273	247	223	195	166
57.5°	448	432	411	388	368	339	311	280	249	220	189
55°	496	474	452	426	401	368	338	306	273	243	211
52.5°	518	494	471	445	416	386	357	323	291	258	228
50°	518	496	474	449	423	394	365	335	304	271	241
47.5°	513	493	472	449	426	400	374	346	317	285	257
45°	509	493	474	455	433	411	386	361	334	304	273
42.5°	511	497	481	465	446	425	401	378	351	322	291
40°	519	508	494	478	460	441	417	393	367	338	307
37.5°	526	517	505	490	474	455	433	408	382	353	322
35°	532	524	515	501	485	467	446	423	397	367	335
32.5°	543	532	521	510	496	478	459	436	411	381	347
30°	551	541	532	521	507	492	474	448	422	392	357
27.5°	558	551	543	532	518	503	484	460	431	400	365
25°	567	562	553	542	529	511	492	467	438	406	371
22.5°	575	569	561	551	537	518	496	472	443	409	375
20°	586	577	568	556	542	523	498	473	444	412	374
17.5°	592	583	571	559	542	521	497	470	441	408	370
15°	594	584	571	556	540	518	496	465	435	401	362
12.5°	594	581	569	551	534	513	487	457	426	391	353
10°	591	577	562	544	525	503	477	447	414	379	342
7.5°	586	571	554	536	515	492	466	435	401	367	331
5°	579	563	544	526	503	480	452	420	385	352	317
2.5°	569	552	534	512	489	465	436	404	370	338	303
0°	555	538	518	496	470	446	416	386	353	320	287
-2.5°	540	521	500	478	453	427	399	369	336	304	273
-5°	522	502	480	457	434	406	378	348	316	286	257
-7.5°	502	481	458	435	412	384	357	328	297	269	242
-10°	478	457	434	412	387	362	335	306	279	253	226
-12.5°	452	430	408	386	362	338	312	285	260	236	211
-15°	423	402	379	358	336	313	287	262	241	218	194
-17.5°	390	371	350	331	309	287	264	242	222	200	178
-20°	357	338	321	302	282	262	240	221	202	181	161



REPORT NUMBER: P132875

CATALOG NUMBER: XTOR2A-WT-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	323	307	291	273	254	234	217	200	181	162	144
-25°	288	275	258	243	225	209	194	178	161	143	126
-27.5°	255	242	228	213	198	185	171	156	139	124	108
-30°	222	211	198	184	173	160	148	134	119	105	90
-32.5°	191	179	167	158	148	136	123	111	98	86	74
-35°	156	148	140	131	122	111	99	90	79	68	58
-37.5°	126	119	112	104	95	86	78	69	60	51	44
-40°	97	91	85	78	71	64	57	50	43	37	31
-42.5°	69	63	58	54	49	43	37	33	28	24	20
-45°	43	39	36	33	28	26	24	20	17	14	10
-47.5°	24	20	18	17	16	13	13	10	9	7	6
-50°	9	9	10	9	8	6	6	6	5	4	3
-52.5°	6	6	6	5	5	4	4	4	4	3	3
-55°	3	3	4	3	3	3	3	3	3	2	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	1	1
-65°	1	1	1	2	2	2	2	1	1	2	1
-67.5°	1	1	2	2	2	2	1	1	1	1	1
-70°	1	1	1	2	2	1	1	1	1	1	1
-72.5°	1	1	1	2	2	1	1	1	1	1	2
-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	2	2	2	2	2
-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: P132875

CATALOG NUMBER: XTOR2A-WT-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	2	1	1	1	1	1	1	1
80°	3	3	2	2	2	1	1	2	1	1	1
77.5°	9	8	5	4	3	2	2	2	1	1	1
75°	20	17	13	9	6	4	3	2	2	1	1
72.5°	37	30	23	17	12	8	5	3	2	2	1
70°	57	46	36	28	19	13	8	5	2	2	2
67.5°	78	65	53	39	28	19	12	7	4	2	2
65°	102	83	70	52	37	25	17	9	5	3	2
62.5°	123	100	82	64	47	33	21	13	6	4	2
60°	141	118	95	77	58	41	28	17	9	4	3
57.5°	163	137	111	90	69	49	34	20	11	6	3
55°	181	155	124	99	78	57	39	25	13	7	3
52.5°	196	168	138	109	86	64	46	30	17	8	4
50°	207	180	152	123	96	72	52	35	20	9	5
47.5°	225	195	165	135	107	80	58	39	24	13	6
45°	242	210	178	147	117	89	64	43	28	15	6
42.5°	258	225	192	158	127	97	71	48	31	17	8
40°	273	240	205	170	137	104	76	53	33	19	9
37.5°	289	253	218	181	145	112	83	57	35	21	10
35°	301	265	230	191	154	119	88	61	39	23	11
32.5°	313	276	237	200	161	126	93	64	41	24	12
30°	321	284	244	206	166	130	97	68	42	24	12
27.5°	328	290	250	210	170	134	100	69	44	25	13
25°	333	295	253	213	173	135	101	71	46	26	13
22.5°	336	294	254	214	174	136	102	72	46	27	13
20°	334	292	252	213	174	136	102	72	47	27	13
17.5°	330	288	248	210	171	135	102	72	47	27	12
15°	324	283	243	206	169	134	101	72	46	26	12
12.5°	315	276	237	200	165	130	99	70	46	25	11
10°	305	267	229	195	159	126	96	68	44	24	11
7.5°	293	257	220	187	154	123	93	66	42	23	10
5°	280	246	211	180	148	118	90	64	41	21	9
2.5°	267	236	201	172	143	112	86	61	39	20	8
0°	252	222	190	162	135	106	80	57	35	17	7
-2.5°	240	212	181	155	128	101	75	53	32	16	7
-5°	227	200	171	145	120	94	69	49	30	14	6
-7.5°	214	188	160	136	112	87	64	43	26	12	6
-10°	200	175	149	126	103	79	57	39	22	9	6
-12.5°	186	162	138	116	94	72	51	34	19	8	5
-15°	172	148	126	105	84	64	46	29	16	7	5
-17.5°	157	134	115	94	75	56	39	24	13	6	4
-20°	141	119	102	83	64	48	33	20	11	6	4



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CATALOG NUMBER: XTOR2A-WT-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	124	106	90	72	55	40	27	15	9	5	3
-25°	108	93	77	61	46	33	21	12	6	4	3
-27.5°	93	79	64	50	37	26	17	9	5	3	3
-30°	79	65	53	39	28	20	13	7	4	3	2
-32.5°	64	52	40	30	21	14	9	5	3	3	2
-35°	50	39	30	21	15	10	6	3	3	3	2
-37.5°	37	28	20	15	9	7	5	2	2	2	2
-40°	24	18	13	9	6	6	3	2	2	3	2
-42.5°	14	11	9	5	5	4	2	2	2	3	2
-45°	9	6	6	4	4	4	2	2	2	2	2
-47.5°	5	5	4	4	4	3	2	2	2	2	2
-50°	3	4	3	3	3	3	2	2	2	2	2
-52.5°	3	4	3	2	3	3	2	2	2	2	2
-55°	3	3	2	2	2	3	2	2	2	2	1
-57.5°	2	2	2	2	2	2	2	2	2	1	1
-60°	1	2	2	2	2	2	2	1	1	1	1
-62.5°	1	2	1	1	2	1	1	1	0	1	2
-65°	1	1	0	1	0	0	1	1	0	1	2
-67.5°	1	1	2	2	0	0	1	1	1	1	1
-70°	1	2	2	1	0	0	1	1	1	1	1
-72.5°	1	1	1	1	0	1	2	2	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: P132875

CATALOG NUMBER: XTOR2A-WT-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°	2	2	2	1	1	0	0
65°	2	2	2	1	1	0	0
62.5°	2	2	2	1	1	0	0
60°	2	2	2	1	1	0	0
57.5°	2	2	2	2	1	1	0
55°	2	2	2	2	1	1	0
52.5°	2	2	2	2	1	1	0
50°	2	2	2	2	1	1	0
47.5°	2	2	2	2	1	1	0
45°	3	2	2	2	1	1	0
42.5°	4	2	3	2	1	1	0
40°	4	2	3	2	1	1	0
37.5°	5	2	3	2	1	1	0
35°	5	2	2	2	1	1	0
32.5°	5	2	2	2	1	1	0
30°	6	2	2	2	1	1	0
27.5°	6	2	2	2	1	1	0
25°	6	2	2	2	1	1	0
22.5°	5	2	2	2	1	1	0
20°	5	2	2	2	1	1	0
17.5°	4	3	2	2	1	1	0
15°	5	3	2	2	1	1	0
12.5°	5	3	2	2	1	1	0
10°	5	3	2	2	1	1	0
7.5°	5	3	2	2	1	1	0
5°	5	3	2	2	1	1	0
2.5°	5	3	2	2	1	1	0
0°	5	3	2	2	1	1	0
-2.5°	5	3	2	2	1	1	0
-5°	4	3	2	2	1	1	0
-7.5°	4	3	2	2	1	1	0
-10°	4	3	2	2	1	1	0
-12.5°	3	2	2	2	1	1	0
-15°	3	2	2	2	1	1	0
-17.5°	3	2	2	2	1	1	0
-20°	3	2	2	2	1	1	0



REPORT NUMBER: P132875

CATALOG NUMBER: XTOR2A-WT-XTORFLD+VISOR

CANDELA DISTRIBUTION (continued):

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