

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: P25362

Luminaire Tested: **XTOR1A-XTORFLD+VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25362
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR1A-XTORFLD+VISOR
Description: LUMARK CROSSTOUR LED BRONZE 10W XTORFLD WITH VISOR
Light Source: (1) 5000K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

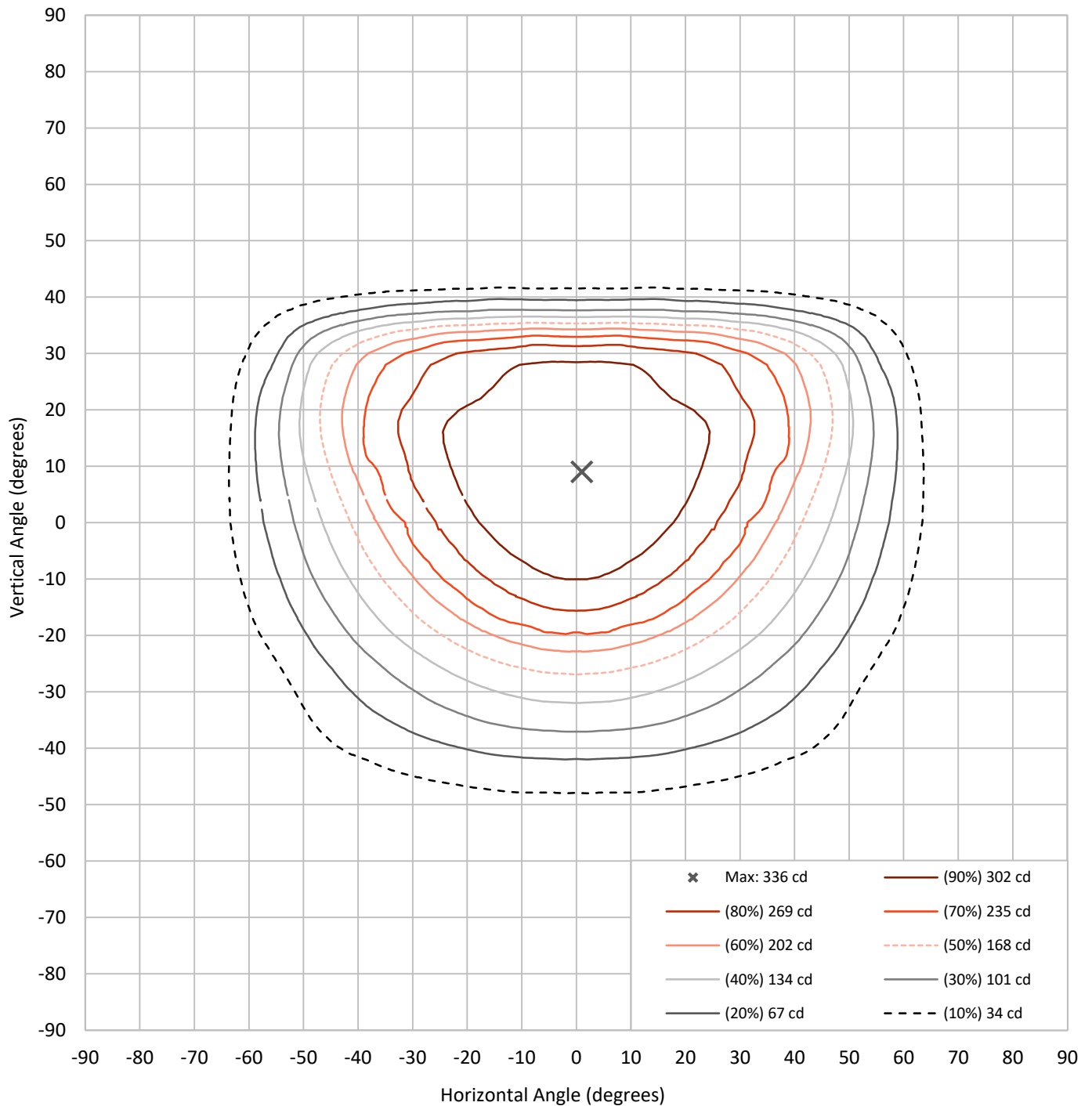
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	483.2 lumens	Max Intensity:	336 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 9°V
Efficacy:	69.0 lumens/watt		
Luminous Opening:	(L: 0' x W: 0.46' x H: 0.12')		
Beam Angle (50%):	90.1°H x 62.2°V	Field Angle (10%):	127.4°H x 89.8°V
Beam Lumens:	349.6 lumens	Field Lumens:	465 lumens
Beam Efficiency:	72.4%	Field Efficiency:	96.2%
Input Watts (W):	7		
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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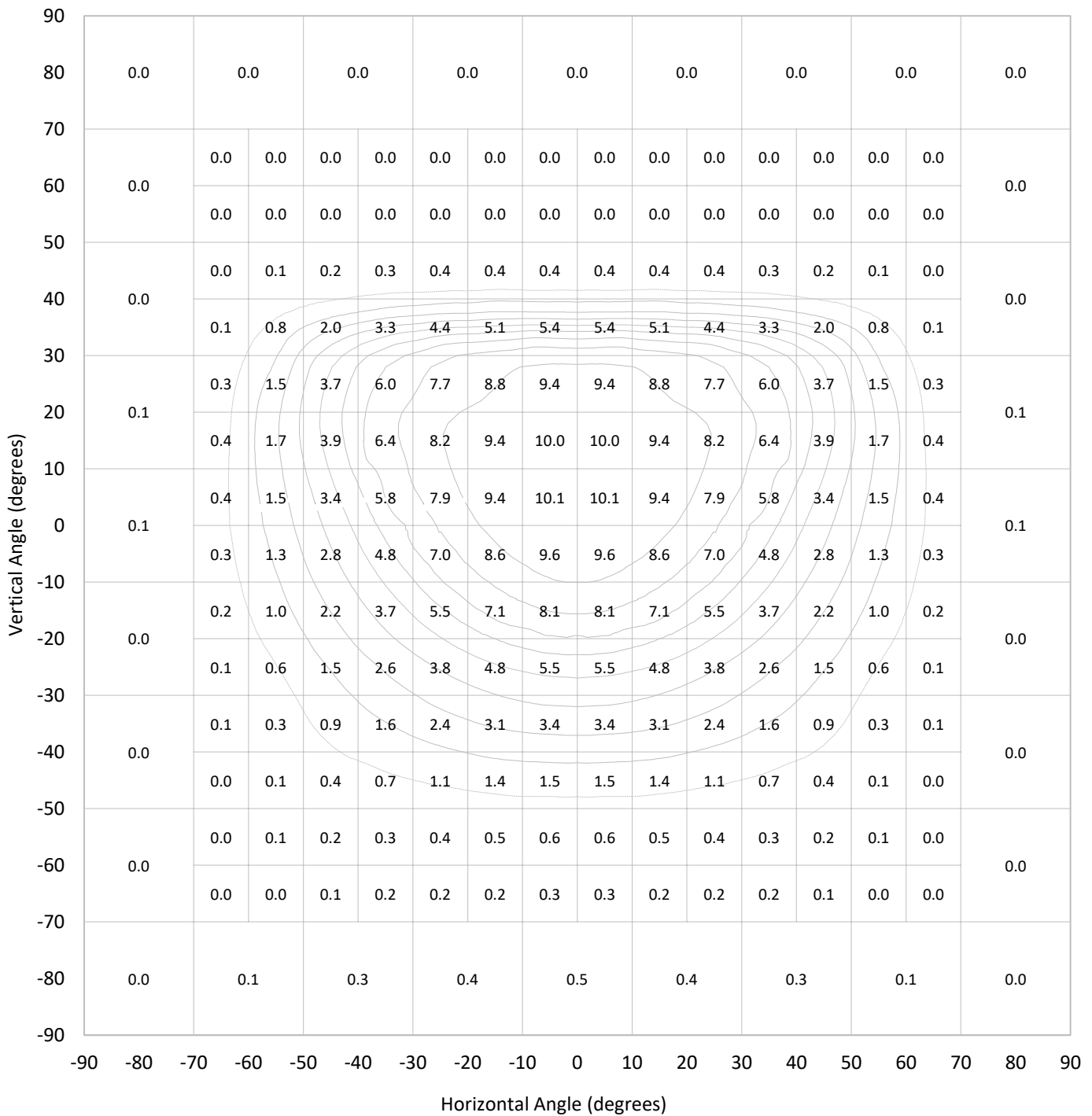
Iso-Candela Plot





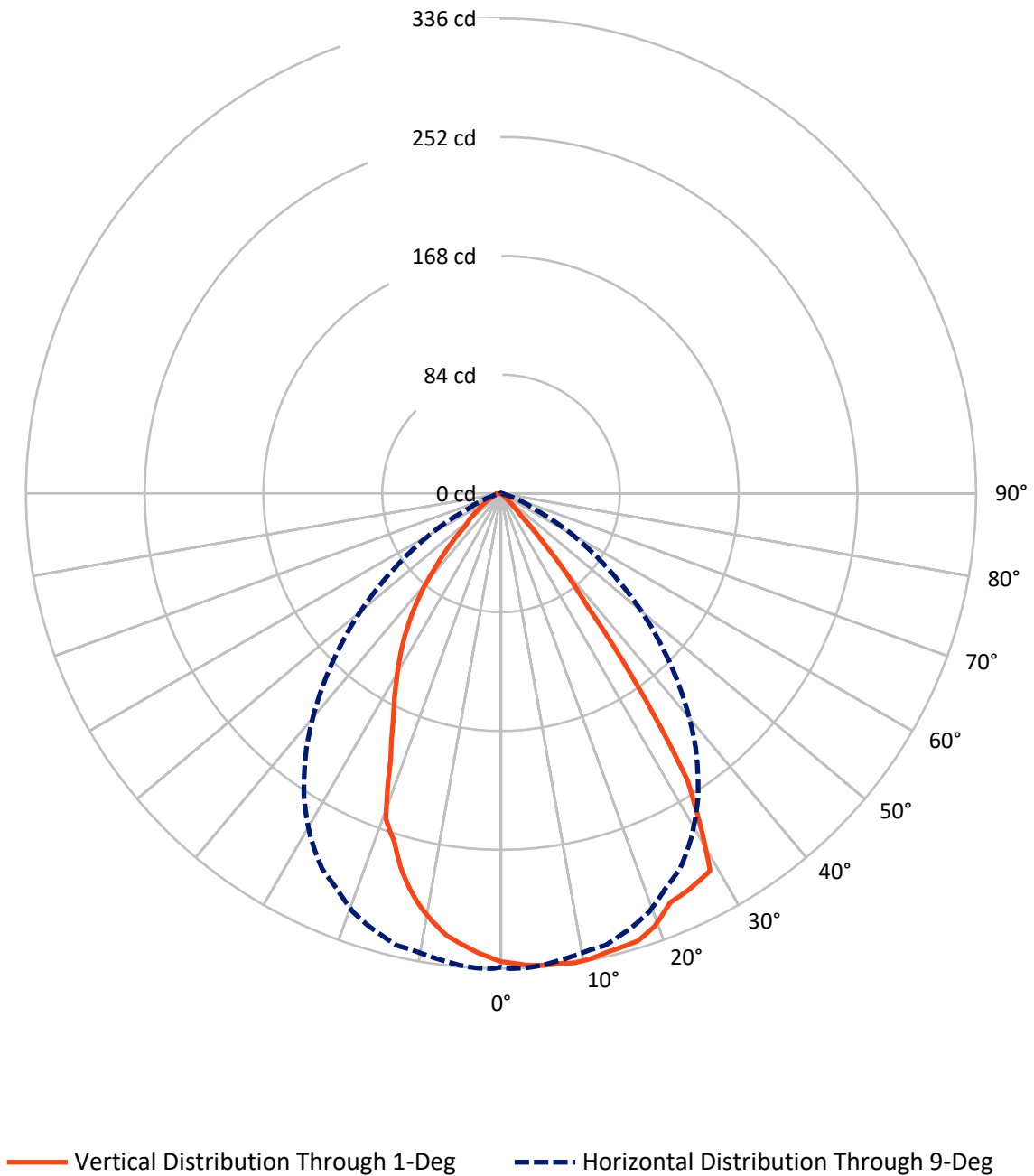
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Lumen Table



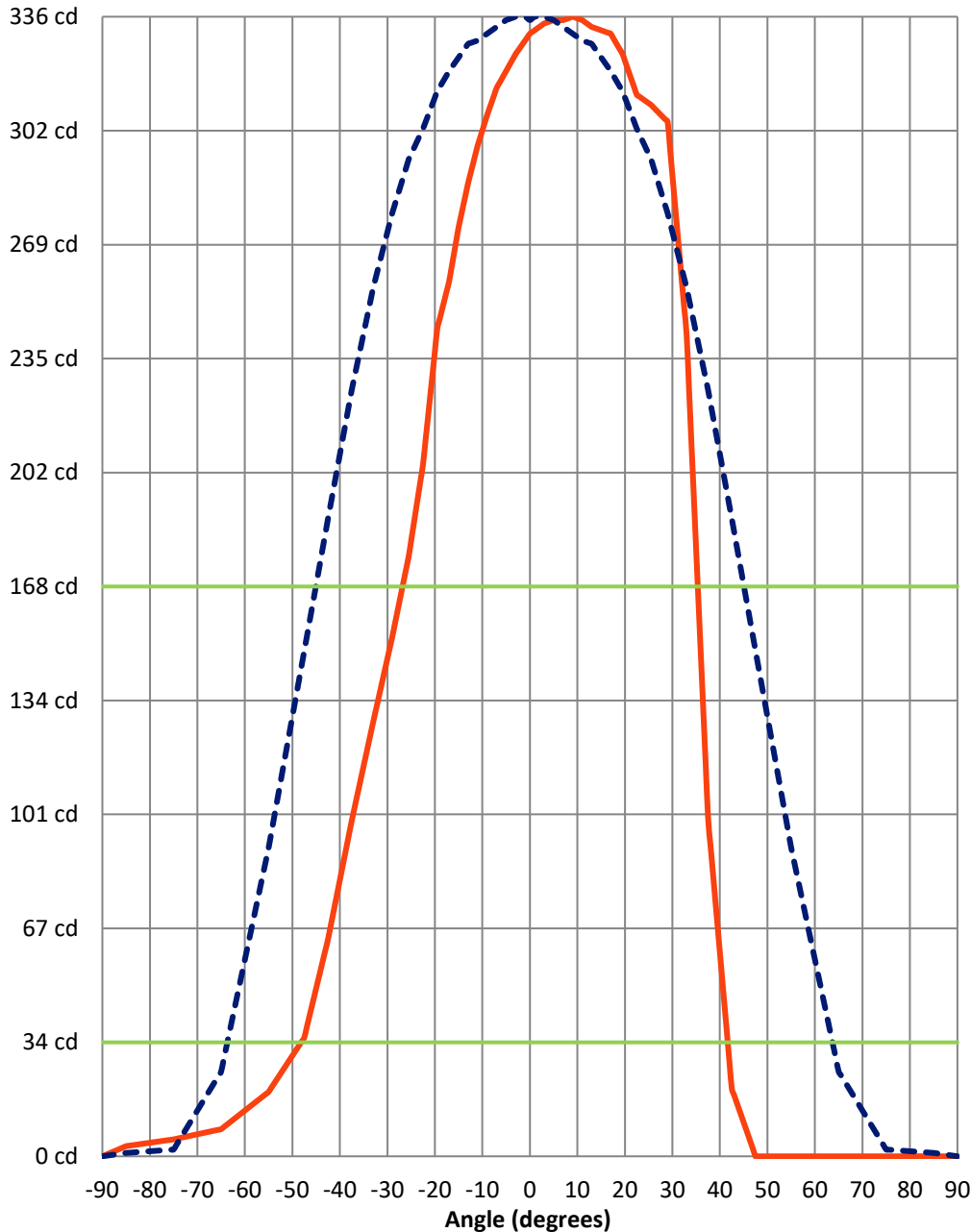
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 90.1°
 V Angle: 62.2°
 Lumens: 349.6
 Efficiency: 72.4%

Field:
 H Angle: 127.4°
 V Angle: 89.8°
 Lumens: 465
 Efficiency: 96.2%

Spill:
 Lumens: 18.3
 Efficiency: 3.8%

— Vertical Distribution through 1-Deg
 - - Horizontal Distribution through 9-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	1	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
42.5°	18	20	18	18	17	18	19	20	21	18	17
37.5°	99	100	100	101	100	102	103	102	104	101	95
33°	242	242	244	246	250	248	240	236	235	228	228
29°	305	305	306	305	304	302	300	299	296	295	289
25.5°	309	310	310	310	309	308	306	304	301	299	294
22.5°	313	313	314	313	312	310	309	307	304	302	297
19.5°	324	325	325	324	323	321	319	317	314	312	308
17°	331	331	332	331	329	327	326	324	322	319	314
15°	332	332	333	332	331	329	328	326	324	320	316
13°	333	333	335	334	333	330	329	327	324	321	316
11°	335	335	336	334	333	331	329	328	324	320	315
9°	335	336	336	335	333	331	329	328	324	320	314
7°	335	335	336	335	333	330	328	326	322	317	311
5°	335	335	336	334	332	329	327	325	320	315	308
3°	334	334	335	333	331	327	325	322	317	312	304
1°	332	332	332	330	328	325	322	319	313	307	299
0°	331	331	331	329	327	323	320	316	311	305	297
-1°	330	329	329	328	325	321	318	315	308	302	294
-3°	326	325	325	323	320	316	313	309	302	296	287
-5°	320	320	320	318	315	311	307	302	295	289	279
-7°	315	315	314	312	309	304	299	295	288	281	270
-9°	307	307	307	304	301	296	291	286	278	271	260
-11°	298	298	298	295	291	286	281	275	268	260	257
-13°	288	287	286	284	280	275	269	263	256	255	241
-15°	274	274	273	271	267	261	256	258	251	240	229
-17°	258	258	257	255	251	246	246	242	233	220	209
-19.5°	235	244	234	240	232	223	218	213	205	199	190
-22.5°	204	204	203	201	199	195	191	187	182	177	169
-25.5°	178	177	177	176	174	171	168	165	160	156	150
-29°	153	153	152	152	150	148	145	142	139	135	130
-33°	128	128	127	127	126	124	122	120	117	114	109
-37.5°	98	99	97	97	96	95	94	92	90	88	84
-42.5°	63	64	63	63	62	62	61	60	59	57	54
-47.5°	34	35	34	34	34	34	34	33	32	31	30
-55°	19	19	19	18	18	18	17	17	16	16	16
-65°	8	8	8	8	8	8	8	8	8	8	7
-75°	5	5	5	5	5	5	5	5	5	4	4
-85°	3	3	3	3	3	3	3	3	3	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	0	1	1	1	1	1	1	1	1	1	1
75°	0	0	0	0	0	0	0	0	0	1	1
65°	0	0	0	0	0	0	0	0	0	0	1
55°	0	0	0	0	0	0	0	0	0	1	1
47.5°	0	0	0	0	0	0	0	0	0	1	1
42.5°	18	15	15	14	12	8	8	7	1	1	1
37.5°	96	93	87	84	74	61	48	28	2	1	1
33°	225	219	202	190	166	139	106	51	6	1	1
29°	282	270	259	242	220	181	144	67	11	1	1
25.5°	288	279	267	250	232	194	155	80	15	1	1
22.5°	291	284	273	257	239	201	161	89	18	1	1
19.5°	302	295	283	266	245	206	164	94	20	1	1
17°	307	300	286	268	248	205	164	96	21	1	1
15°	308	300	285	266	249	202	162	96	22	1	1
13°	307	298	283	263	251	198	158	95	23	1	1
11°	305	296	280	258	241	193	154	93	24	2	1
9°	303	294	278	256	226	188	149	91	25	2	1
7°	300	290	272	257	220	182	144	89	25	2	1
5°	297	286	267	257	213	175	139	86	25	2	1
3°	292	280	261	245	206	169	135	83	25	1	1
1°	287	274	258	236	198	163	130	81	25	1	1
0°	289	270	250	225	195	160	128	80	25	1	1
-1°	280	267	258	221	191	157	126	78	24	1	1
-3°	272	261	245	213	184	151	121	75	23	1	1
-5°	265	257	240	204	177	145	117	72	22	2	1
-7°	260	245	220	196	168	139	112	69	20	1	1
-9°	255	238	210	186	161	133	107	65	19	1	1
-11°	240	220	199	177	153	126	101	61	17	1	1
-13°	222	208	188	167	145	120	96	58	16	1	1
-15°	209	195	177	158	137	113	90	53	14	1	1
-17°	195	182	167	149	129	107	84	49	13	1	1
-19.5°	179	167	154	138	120	98	76	44	11	1	1
-22.5°	160	150	138	123	107	88	68	37	9	1	1
-25.5°	142	133	122	110	94	77	58	31	7	1	1
-29°	123	116	106	95	81	66	49	24	6	1	1
-33°	103	97	89	79	68	55	41	17	4	1	1
-37.5°	79	74	68	60	51	42	31	12	3	1	1
-42.5°	51	48	43	39	33	28	21	8	2	1	1
-47.5°	28	27	25	23	20	17	13	5	2	1	1
-55°	15	15	14	13	12	11	9	4	2	1	1
-65°	7	7	7	6	6	5	4	2	2	1	1
-75°	4	4	4	4	4	3	3	2	1	1	1
-85°	3	3	3	3	3	3	2	2	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°
90°	0
85°	0
75°	0
65°	0
55°	0
47.5°	0
42.5°	0
37.5°	0
33°	0
29°	0
25.5°	0
22.5°	0
19.5°	0
17°	0
15°	0
13°	0
11°	0
9°	0
7°	0
5°	0
3°	0
1°	0
0°	0
-1°	0
-3°	0
-5°	0
-7°	0
-9°	0
-11°	0
-13°	0
-15°	0
-17°	0
-19.5°	0
-22.5°	0
-25.5°	0
-29°	0
-33°	0
-37.5°	0
-42.5°	0
-47.5°	0
-55°	0
-65°	0
-75°	0
-85°	0
-90°	0

(END OF REPORT)