

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: P25368

Luminaire Tested: **XTOR1A-WT-XTORFLD+VISOR+IMPACT SHIELD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25368
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR1A-WT-XTORFLD+VISOR+IMPACT SHIELD
Description: LUMARK CROSSTOUR LED WHITE 10W XTORFLD WITH VISOR AND IMPACT SHIELD
Light Source: (1) 5000K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

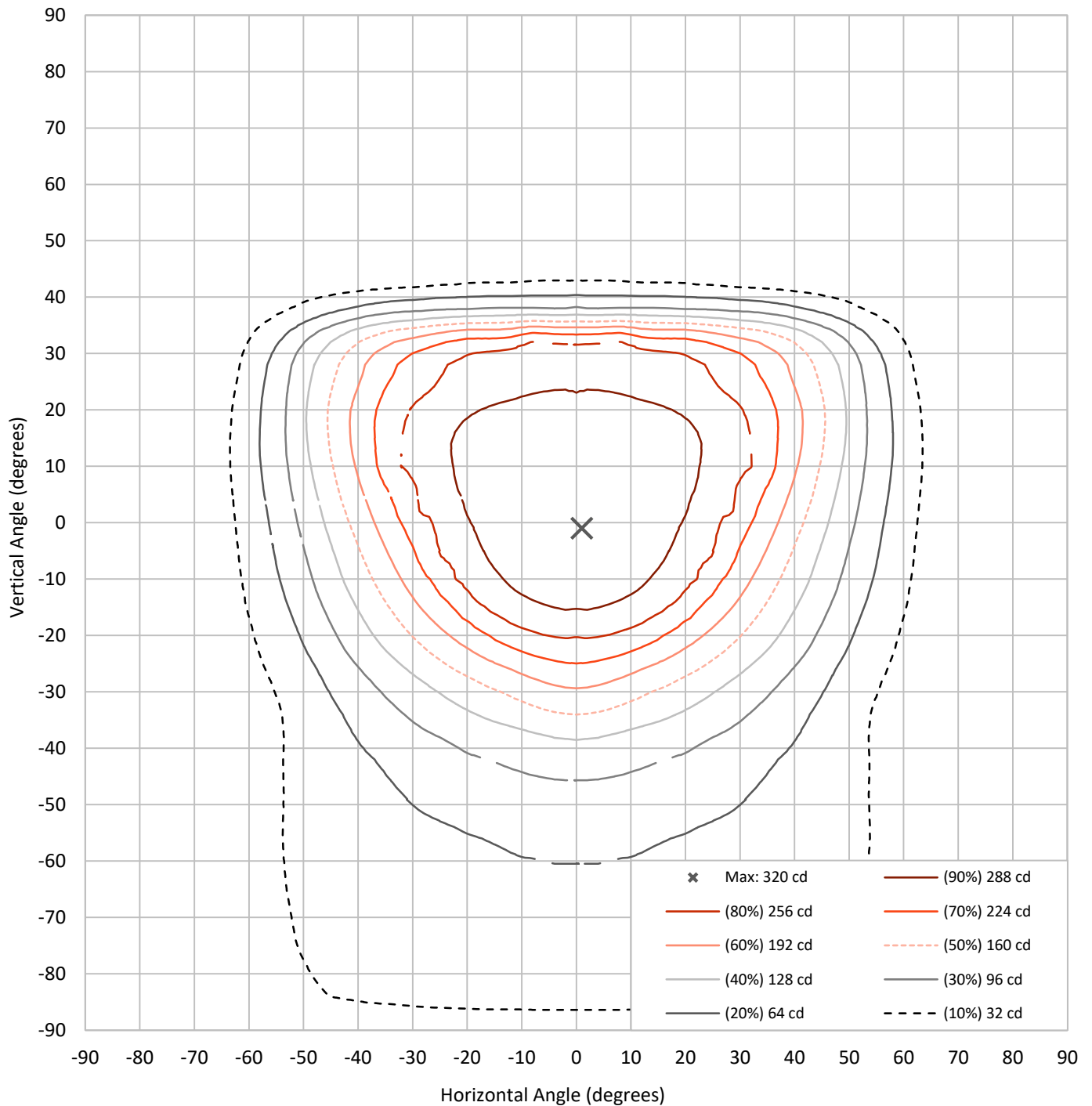
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	545.3 lumens	Max Intensity:	320 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x -1°V
Efficacy:	77.9 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.46 ' x H: 0.12 ')		
Beam Angle (50%):	82.4°H x 69.7°V	Field Angle (10%):	124.9°H x 129°V
Beam Lumens:	360.1 lumens	Field Lumens:	529.9 lumens
Beam Efficiency:	66.0%	Field Efficiency:	97.2%
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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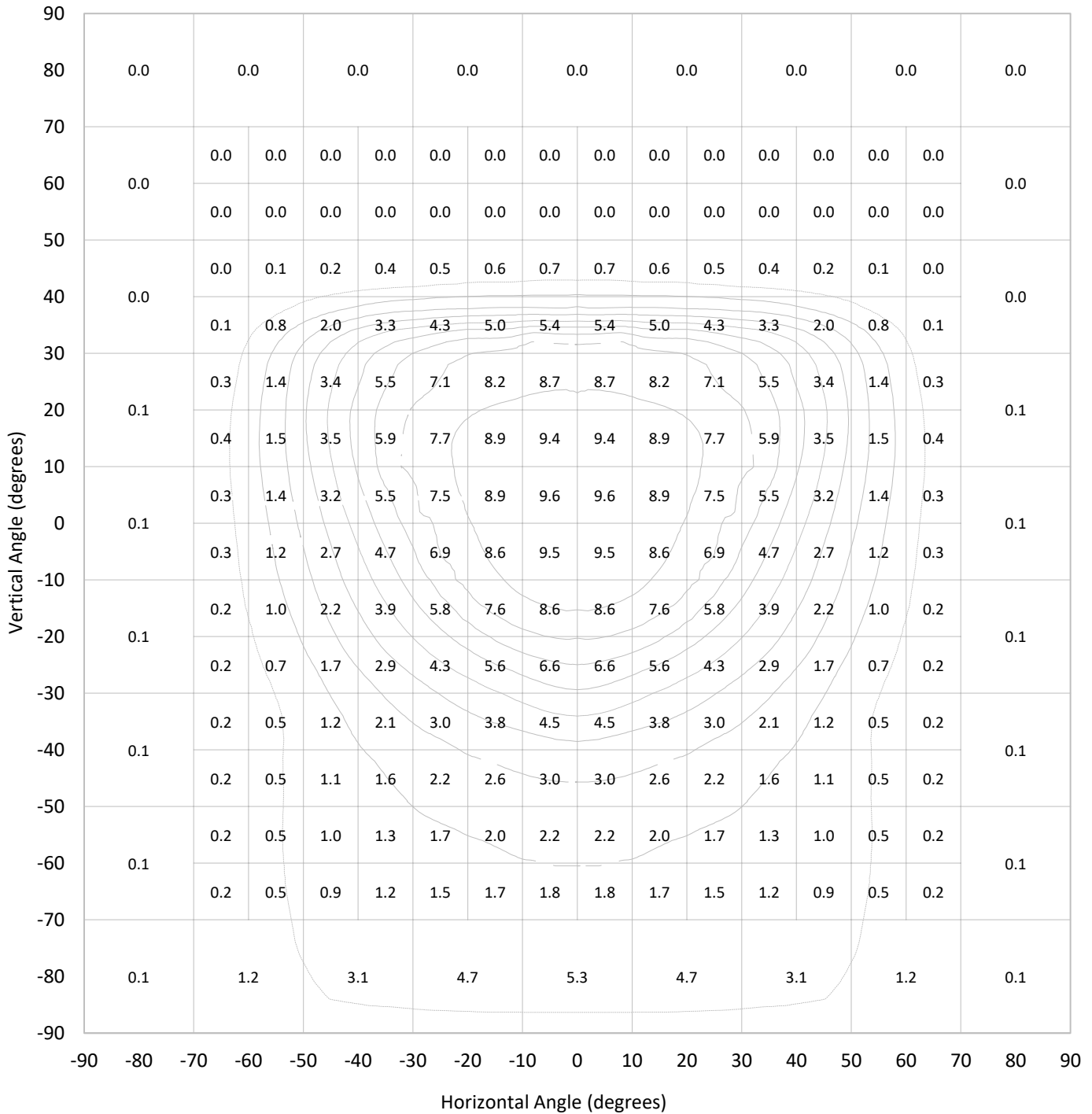
Iso-Candela Plot





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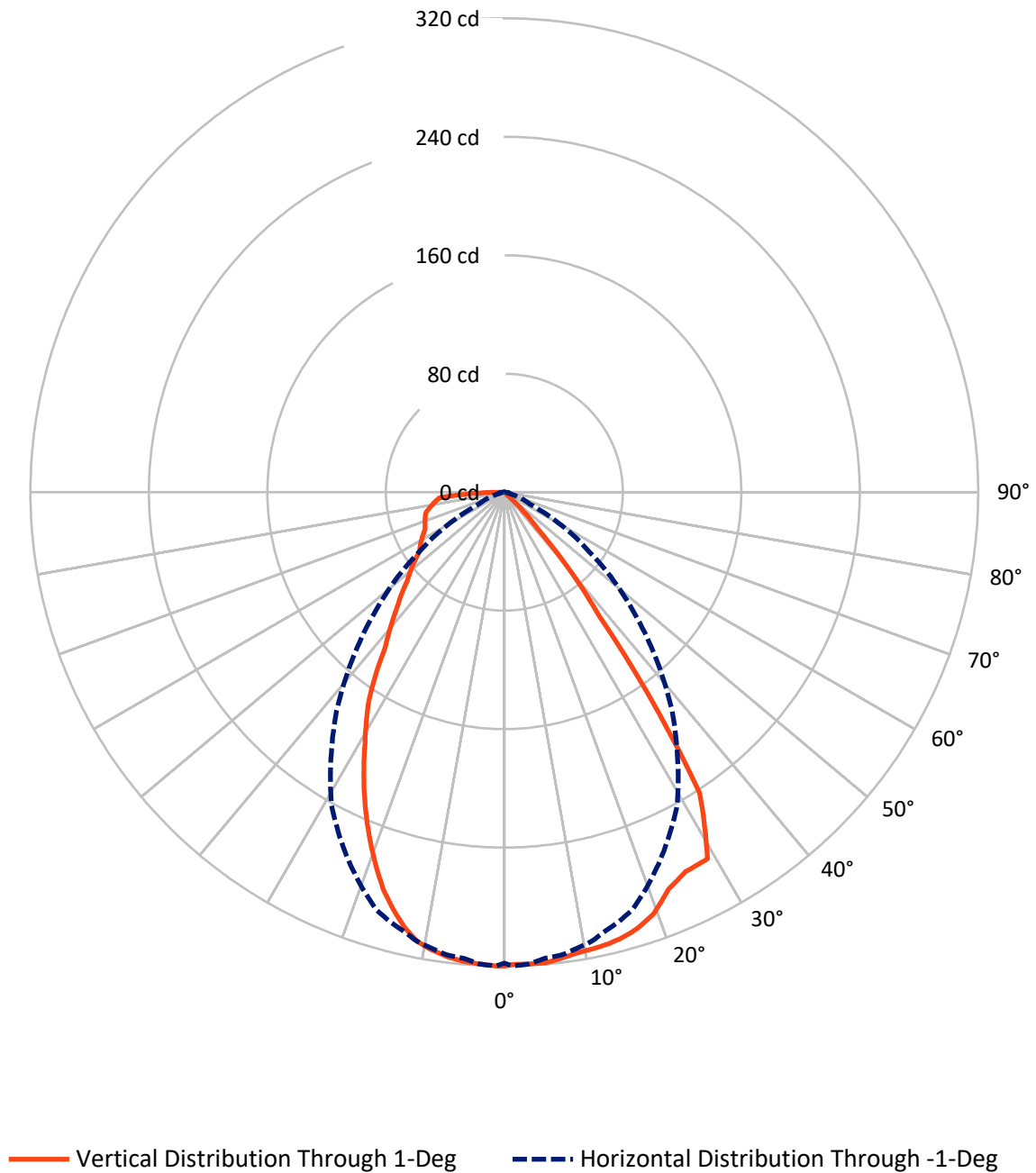
Lumen Table



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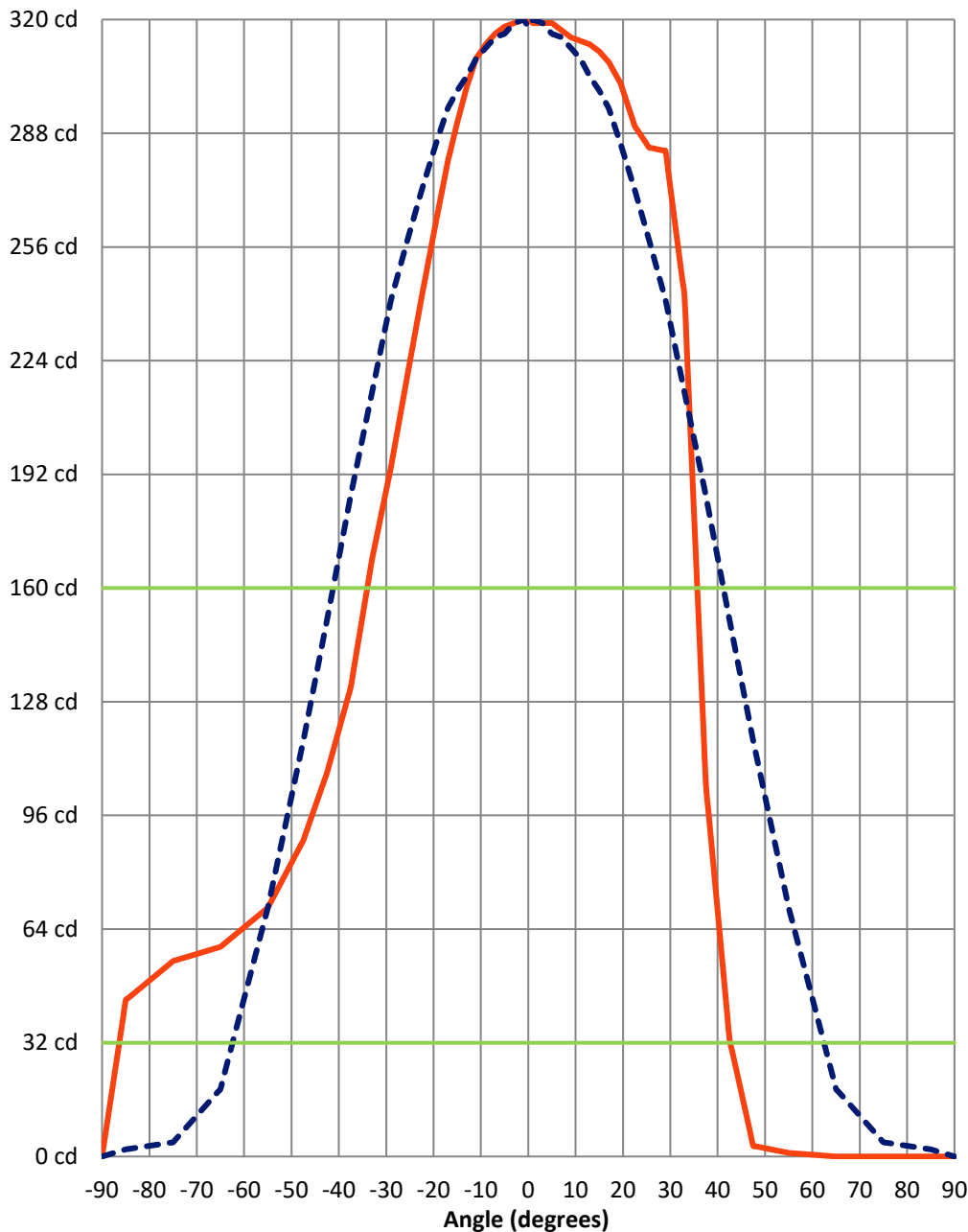
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 82.4°
 V Angle: 69.7°
 Lumens: 360.1
 Efficiency: 66.0%

Field:
 H Angle: 124.9°
 V Angle: 129°
 Lumens: 529.9
 Efficiency: 97.2%

Spill:
 Lumens: 15.5
 Efficiency: 2.8%

— Vertical Distribution through 1-Deg
 - - Horizontal Distribution through -1-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	0	0	0	0	0	0	1	1
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°	1	1	1	1	1	1	1	1	1	1	1
47.5°	3	3	3	3	3	3	3	3	3	3	3
42.5°	32	33	32	33	32	31	29	29	29	29	29
37.5°	107	105	102	104	104	106	105	105	105	104	101
33°	241	242	243	245	250	249	234	227	225	225	228
29°	283	283	283	282	281	280	278	275	273	270	265
25.5°	284	284	284	283	282	281	280	279	277	273	268
22.5°	288	290	290	290	289	288	286	284	282	279	274
19.5°	301	302	302	301	300	299	298	296	294	291	287
17°	308	308	308	308	307	305	304	302	301	299	293
15°	310	311	311	310	310	309	308	305	304	301	296
13°	312	313	313	312	312	311	310	307	305	302	297
11°	313	314	314	313	313	311	311	308	306	303	297
9°	314	315	315	314	314	312	311	308	307	304	297
7°	316	317	317	315	315	313	311	308	306	303	296
5°	317	319	318	317	316	314	313	308	306	302	295
3°	318	319	318	317	316	313	311	308	304	300	292
1°	318	319	319	317	315	312	311	306	302	298	291
0°	318	320	319	316	315	312	310	305	301	296	288
-1°	318	320	319	316	315	312	309	304	300	295	285
-3°	318	319	318	315	314	311	308	302	298	292	282
-5°	317	318	317	315	313	309	307	300	295	289	278
-7°	315	316	315	313	311	307	303	297	291	284	273
-9°	311	313	312	310	308	303	299	292	286	280	268
-11°	307	309	308	305	302	297	294	286	280	273	261
-13°	300	301	300	297	294	290	285	278	272	264	255
-15°	290	291	290	287	284	279	275	268	262	254	251
-17°	278	280	279	276	273	269	264	257	253	247	228
-19.5°	261	263	263	260	258	252	250	244	232	223	212
-22.5°	242	242	241	238	235	230	224	216	210	202	192
-25.5°	220	220	218	214	210	205	199	192	187	181	173
-29°	194	194	192	189	184	179	173	167	163	158	150
-33°	168	168	166	163	159	154	150	146	141	136	130
-37.5°	133	132	132	130	126	124	120	118	115	113	109
-42.5°	108	108	108	107	105	103	100	98	95	93	91
-47.5°	89	89	89	88	87	86	85	84	82	81	79
-55°	70	70	70	70	69	69	68	67	66	65	64
-65°	59	59	59	59	58	58	58	57	56	56	55
-75°	55	55	55	55	55	54	54	54	53	53	52
-85°	44	44	44	44	44	44	43	43	43	43	42
-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°	1	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	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
47.5°	3	3	3	2	2	2	2	2	1	1	1
42.5°	26	26	22	20	17	13	10	6	2	1	1
37.5°	100	98	93	90	81	67	51	26	3	2	1
33°	218	210	197	185	166	138	106	56	5	2	1
29°	258	249	239	221	198	165	130	73	10	2	2
25.5°	262	255	246	229	204	173	137	77	14	3	2
22.5°	268	260	254	242	212	180	142	80	18	3	2
19.5°	281	273	263	248	220	185	145	81	21	3	2
17°	286	278	266	251	221	185	145	82	22	3	2
15°	289	280	267	252	220	184	143	82	23	3	2
13°	290	281	266	253	219	183	141	82	23	3	2
11°	289	279	265	254	217	179	138	81	23	3	2
9°	288	278	263	255	213	175	135	79	23	3	2
7°	287	275	258	238	208	171	132	78	22	4	2
5°	284	272	258	232	202	167	128	76	21	4	2
3°	280	267	258	226	197	162	124	74	20	4	2
1°	276	263	258	220	191	156	121	72	20	4	2
0°	274	261	242	218	189	154	119	71	19	4	2
-1°	272	258	241	215	186	151	117	70	19	4	2
-3°	267	258	233	210	180	146	113	68	18	4	2
-5°	263	257	228	203	174	141	109	66	17	4	2
-7°	258	256	222	197	168	136	106	64	17	4	2
-9°	256	236	215	190	162	132	102	62	16	5	2
-11°	254	228	207	183	156	127	99	59	15	5	2
-13°	235	219	199	175	149	122	95	56	15	5	2
-15°	224	209	190	167	143	116	90	53	15	5	2
-17°	213	198	180	159	136	111	86	49	14	5	2
-19.5°	198	185	168	149	128	104	80	45	14	5	2
-22.5°	181	169	153	137	118	96	73	41	14	6	2
-25.5°	163	151	138	123	106	86	65	37	14	6	2
-29°	141	132	121	109	93	76	58	33	14	6	2
-33°	123	115	106	95	82	66	52	29	14	6	2
-37.5°	102	97	91	82	72	60	49	28	15	7	2
-42.5°	86	81	76	70	62	54	47	29	16	7	2
-47.5°	76	73	69	63	57	51	45	29	17	8	2
-55°	62	60	58	55	52	48	43	30	18	8	2
-65°	54	52	51	49	46	42	38	30	18	8	2
-75°	51	50	48	46	43	40	36	28	16	7	2
-85°	41	40	39	37	36	33	30	24	15	6	2
-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)