

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: P25363

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25363
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR1A-XTORFLD+VISOR+IMPACT SHIELD
Description: LUMARK CROSSTOUR LED BRONZE 10W XTORFLD WITH VISOR AND IMPACT SHIELD
Light Source: (1) CITIZEN LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

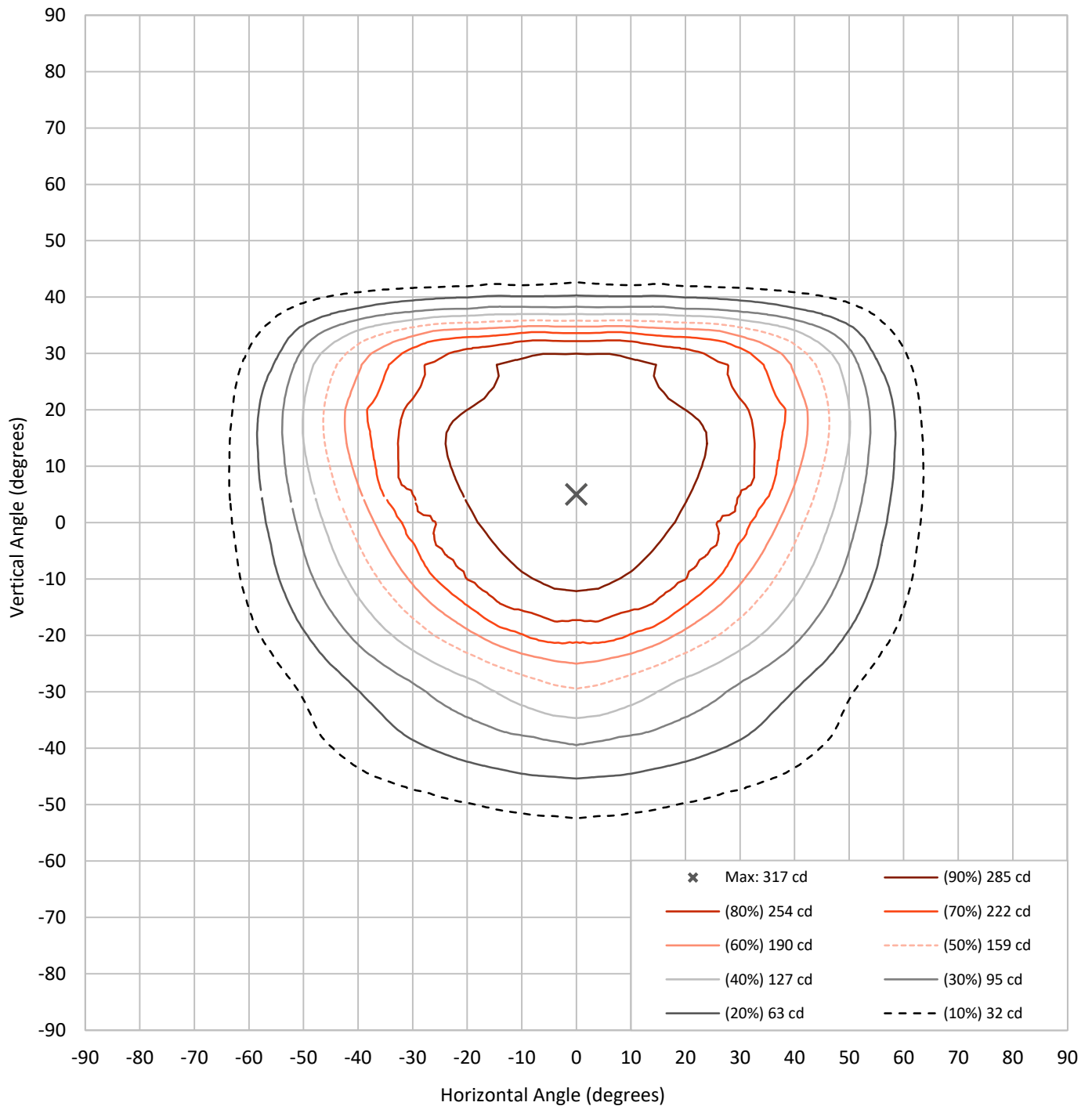
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	467.8 lumens	Max Intensity:	317 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	66.8 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.46 ' x H: 0.12 ')		
Beam Angle (50%):	87.5°H x 65.1°V	Field Angle (10%):	127.1°H x 94.7°V
Beam Lumens:	343.1 lumens	Field Lumens:	450.3 lumens
Beam Efficiency:	73.3%	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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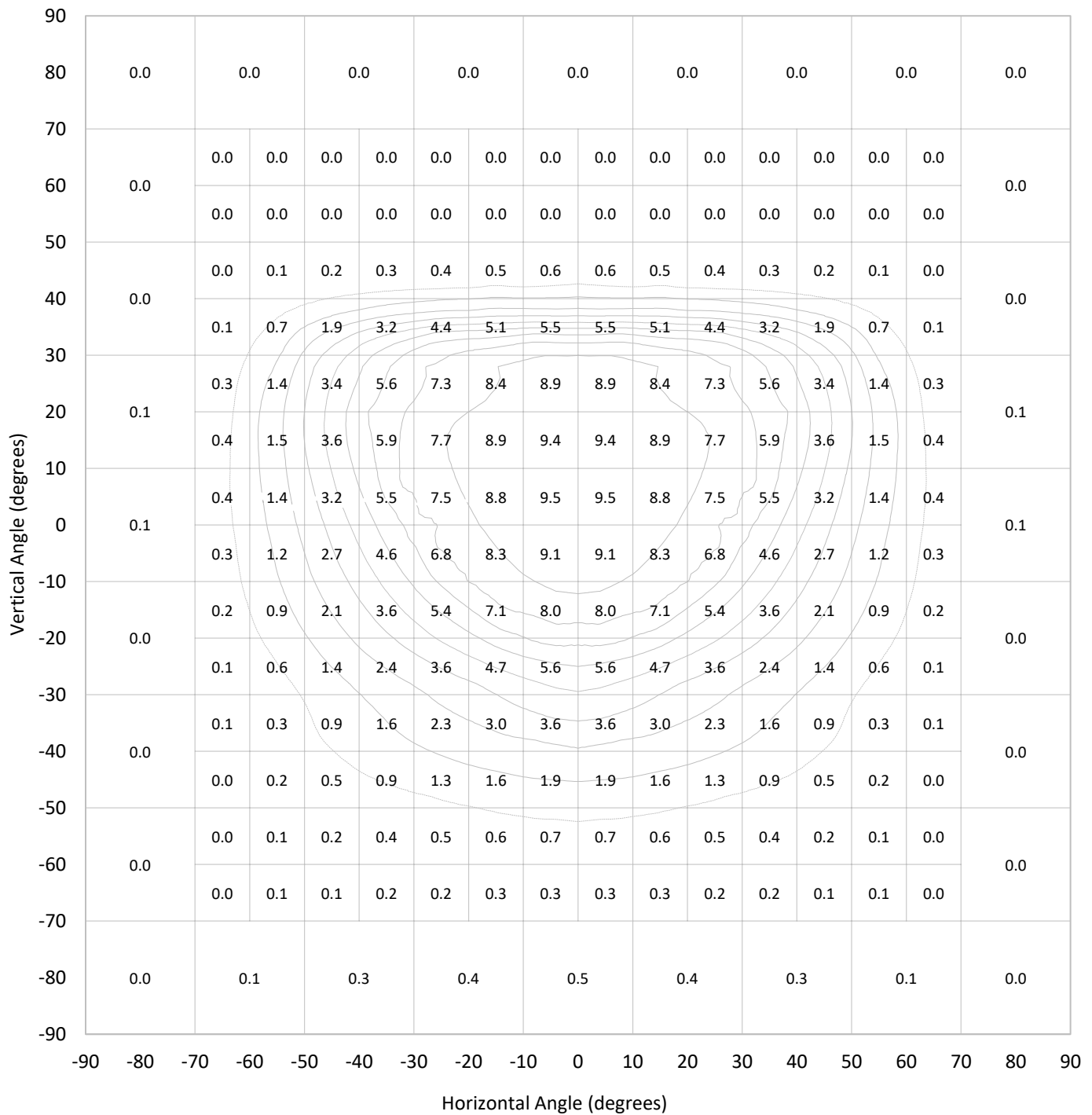
Iso-Candela Plot





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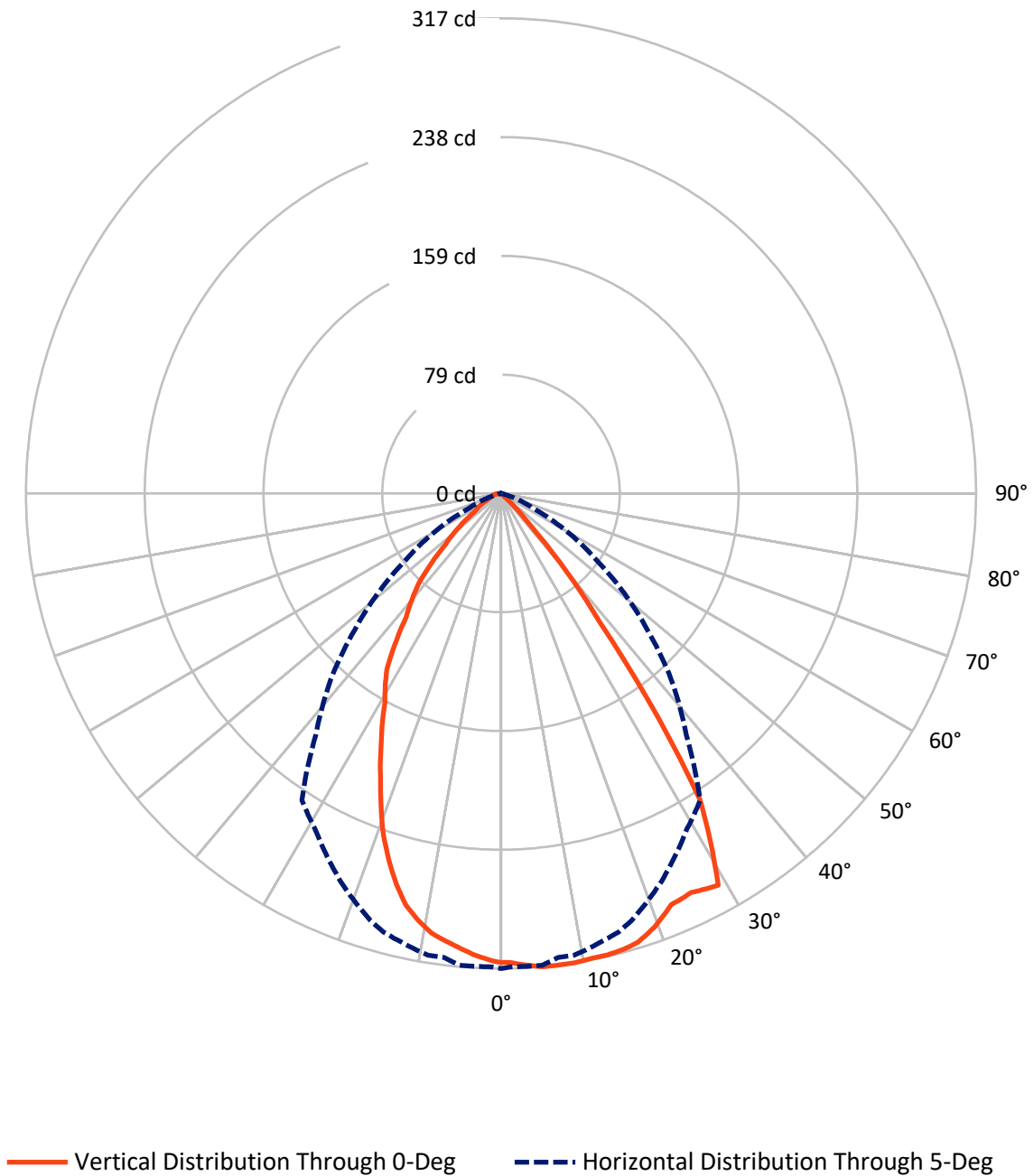
Lumen Table



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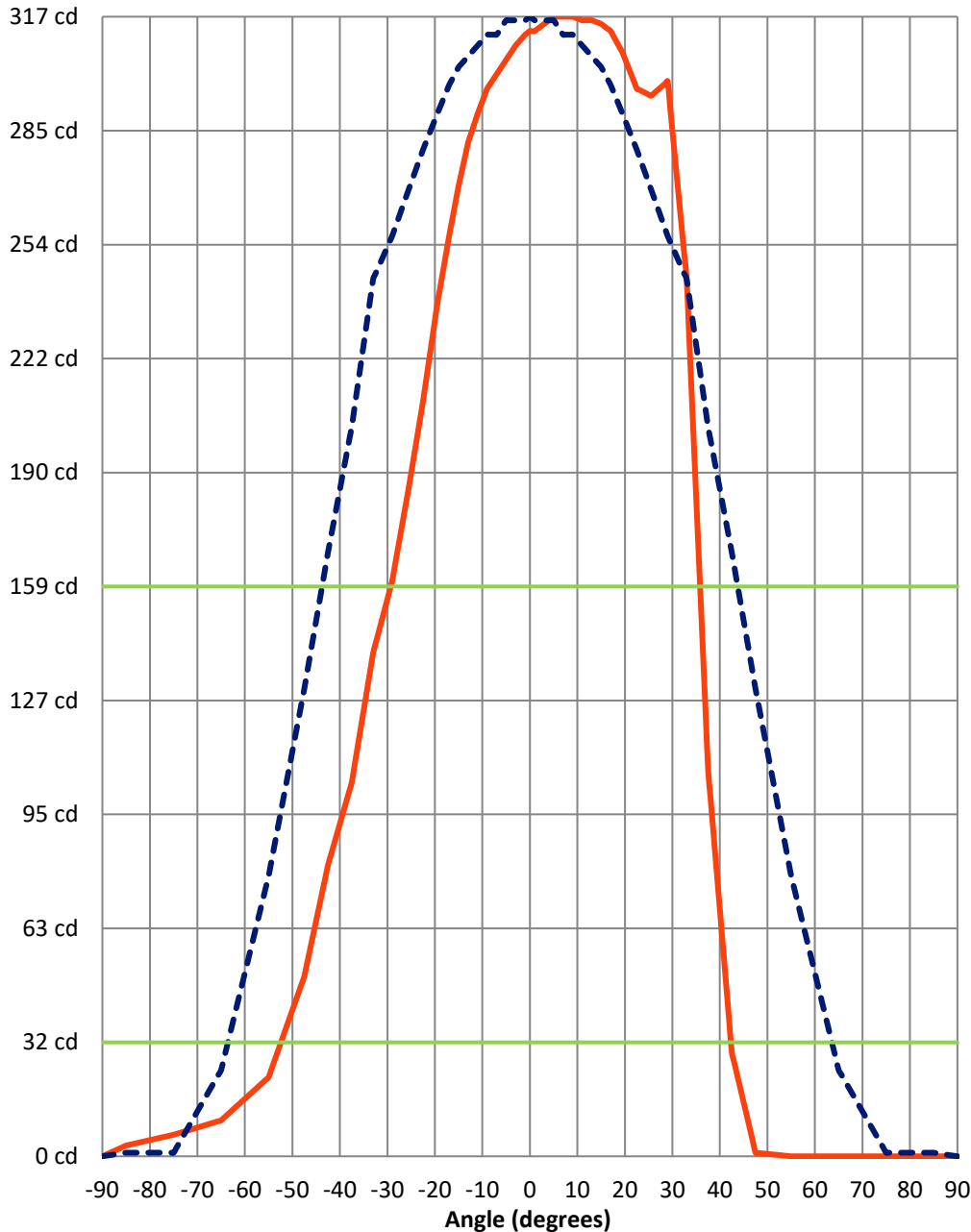
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 87.5°
 V Angle: 65.1°
 Lumens: 343.1
 Efficiency: 73.3%

Field:
 H Angle: 127.1°
 V Angle: 94.7°
 Lumens: 450.3
 Efficiency: 96.2%

Spill:
 Lumens: 17.6
 Efficiency: 3.8%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 5-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	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°	1	1	1	1	1	1	1	1	1	1	1
42.5°	29	28	27	26	25	24	24	25	27	25	23
37.5°	108	108	106	107	107	108	108	108	109	107	101
33°	244	244	244	247	251	248	242	236	234	228	230
29°	299	298	298	298	296	293	291	288	285	282	275
25.5°	295	294	294	294	293	291	290	287	284	281	275
22.5°	297	296	296	297	294	293	292	290	287	284	278
19.5°	307	306	305	306	303	302	300	299	296	293	288
17°	313	312	312	312	309	309	307	305	303	300	295
15°	315	313	313	314	311	312	310	308	306	303	297
13°	316	315	315	316	313	312	311	309	307	303	298
11°	316	315	315	316	313	313	311	309	306	303	297
9°	317	316	316	317	313	313	311	309	306	302	295
7°	317	316	316	316	313	312	310	308	304	300	293
5°	317	316	316	316	312	312	309	306	303	298	290
3°	315	314	314	315	311	310	307	304	300	294	286
1°	313	313	312	313	308	308	304	301	296	291	282
0°	313	312	311	312	307	307	303	300	295	289	280
-1°	312	311	310	310	306	305	301	298	293	286	277
-3°	309	307	307	306	302	301	297	293	287	281	272
-5°	305	303	304	303	299	297	292	288	283	276	266
-7°	301	300	300	300	295	293	288	283	277	270	260
-9°	297	295	295	294	289	287	282	277	271	264	258
-11°	290	289	289	288	283	281	275	270	264	256	254
-13°	282	281	281	279	274	271	266	260	254	253	239
-15°	270	269	269	267	262	259	254	257	250	238	221
-17°	256	256	256	254	249	246	245	242	233	218	206
-19.5°	237	237	246	243	237	229	220	215	207	198	188
-22.5°	210	210	209	206	202	199	194	188	182	174	165
-25.5°	186	184	183	180	176	172	167	162	156	149	141
-29°	160	159	157	155	150	146	141	136	131	124	118
-33°	140	139	138	135	130	126	122	118	113	109	103
-37.5°	104	103	101	100	98	96	95	93	90	86	82
-42.5°	81	81	80	79	78	76	74	71	69	67	64
-47.5°	50	50	48	48	47	47	45	44	42	40	38
-55°	22	22	21	21	21	20	19	19	18	18	17
-65°	10	10	10	10	10	9	9	9	9	8	8
-75°	6	6	6	6	6	6	6	5	5	5	5
-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	0	0	0	1	0	1	0	1	1	1
75°	0	0	0	0	0	0	0	0	0	0	1
65°	0	0	0	0	0	0	0	0	0	0	1
55°	0	0	0	0	0	0	0	0	0	0	1
47.5°	1	1	0	1	1	1	1	0	0	0	1
42.5°	23	20	20	18	15	12	10	8	1	0	1
37.5°	101	99	92	86	76	63	48	27	2	1	1
33°	225	220	203	182	161	130	99	46	7	1	1
29°	267	256	252	227	201	165	130	62	11	1	1
25.5°	268	261	250	237	208	177	140	74	15	1	1
22.5°	272	265	255	243	216	184	146	81	17	1	1
19.5°	282	275	265	249	231	190	149	85	19	1	1
17°	288	280	269	251	225	190	150	86	21	1	1
15°	290	281	269	253	223	189	148	86	22	1	1
13°	289	281	268	254	221	186	146	84	23	1	1
11°	288	279	265	254	218	182	142	83	23	1	1
9°	286	276	263	255	214	178	138	82	24	1	1
7°	283	273	259	256	209	173	134	80	24	1	1
5°	280	269	256	244	203	168	130	78	24	1	1
3°	275	264	258	226	197	162	126	76	23	1	1
1°	274	258	258	219	190	156	121	74	22	2	1
0°	271	255	238	216	187	153	119	73	22	2	1
-1°	265	257	245	213	184	150	117	72	21	2	1
-3°	259	258	228	206	177	144	113	69	20	2	1
-5°	258	257	221	198	170	139	109	67	19	2	1
-7°	255	241	214	191	163	133	105	65	18	2	1
-9°	248	233	205	182	155	127	101	62	17	2	1
-11°	237	215	196	173	148	121	96	59	16	2	1
-13°	219	204	185	163	140	115	91	55	14	2	1
-15°	206	192	174	154	132	108	86	51	13	2	1
-17°	192	179	162	145	124	102	80	47	12	2	1
-19.5°	176	164	149	132	114	93	72	42	10	1	1
-22.5°	154	144	131	117	101	82	63	35	9	1	1
-25.5°	133	124	113	101	86	70	54	29	7	1	1
-29°	112	104	94	84	72	58	43	21	5	1	1
-33°	96	90	82	72	61	49	36	15	4	1	1
-37.5°	79	75	69	61	52	41	31	13	3	1	1
-42.5°	60	56	51	44	38	30	22	9	2	1	1
-47.5°	36	34	31	28	24	20	15	6	2	1	1
-55°	17	16	15	14	13	12	9	4	2	1	0
-65°	8	8	7	7	6	5	5	3	2	1	1
-75°	5	5	5	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)