

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: P25373

Luminaire Tested: **XTOR3A-N-XTORFLD+VISOR+IMPACT SHIELD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25373
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3A-N-XTORFLD+VISOR+IMPACT SHIELD
Description: LUMARK CROSSTOUR LED BRONZE 30W XTORFLD WITH VISOR AND IMPACT SHIELD
Light Source: (1) 3500K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

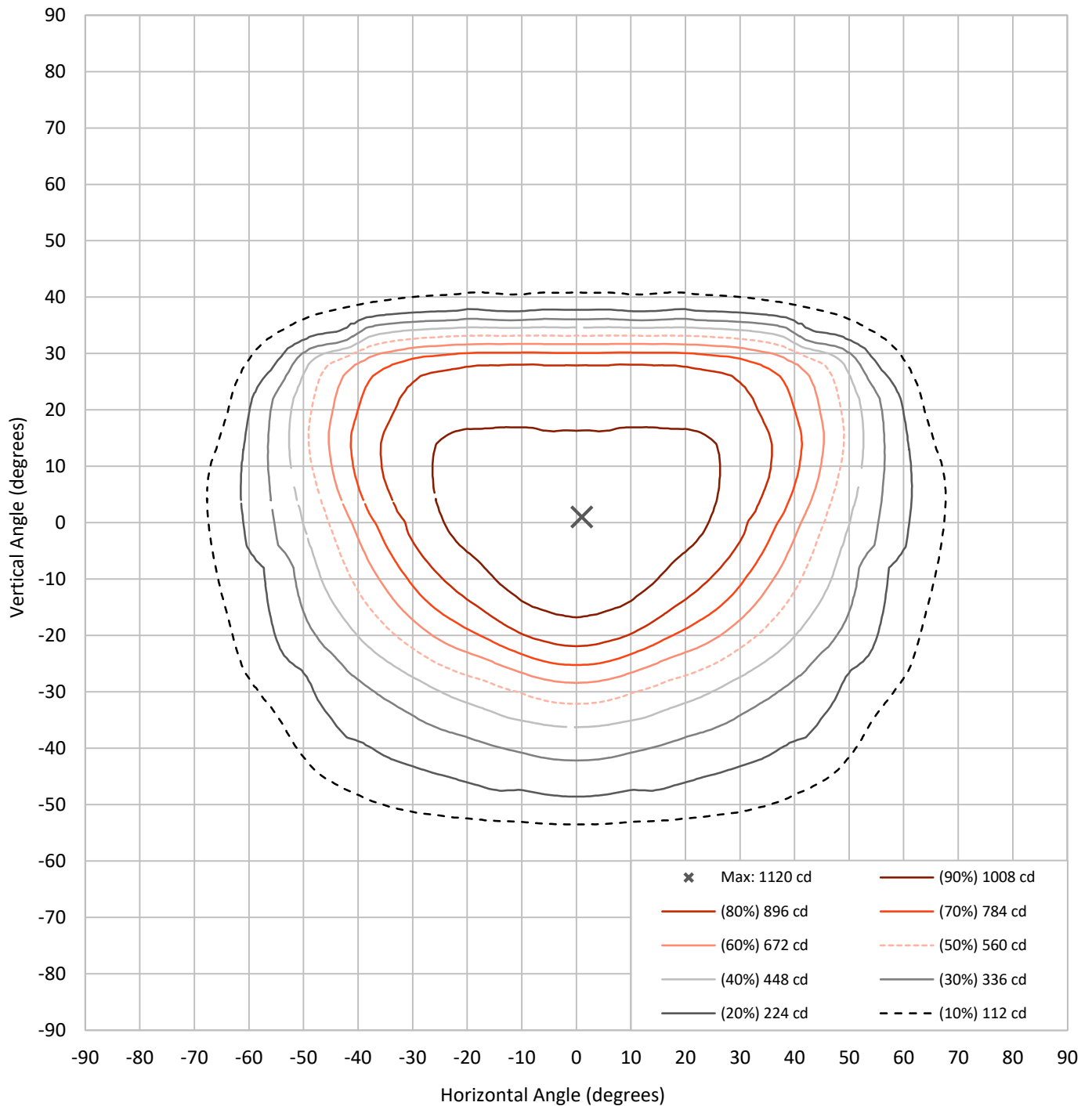
Lumens per Lamp:	N/A	NEMA Type:	7H x 5V
Luminaire Lumens:	1738.3 lumens	Max Intensity:	1120 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 1°V
Efficacy:	66.9 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.5 ' x H: 0.17 ')		
Beam Angle (50%):	91.3°H x 65.2°V	Field Angle (10%):	135°H x 94.3°V
Beam Lumens:	1276.5 lumens	Field Lumens:	1680.3 lumens
Beam Efficiency:	73.4%	Field Efficiency:	96.7%
Input Watts (W):	26		
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

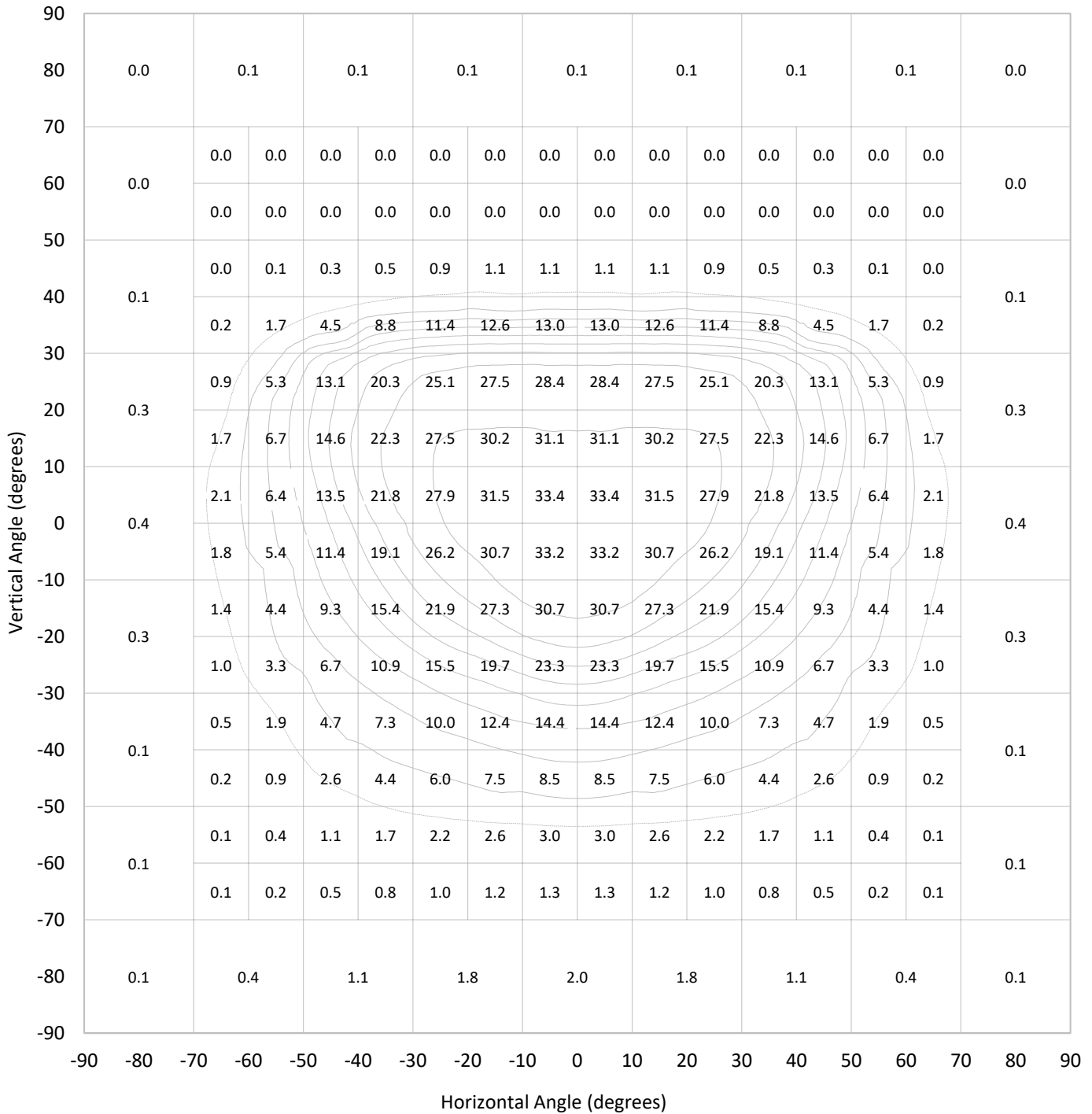




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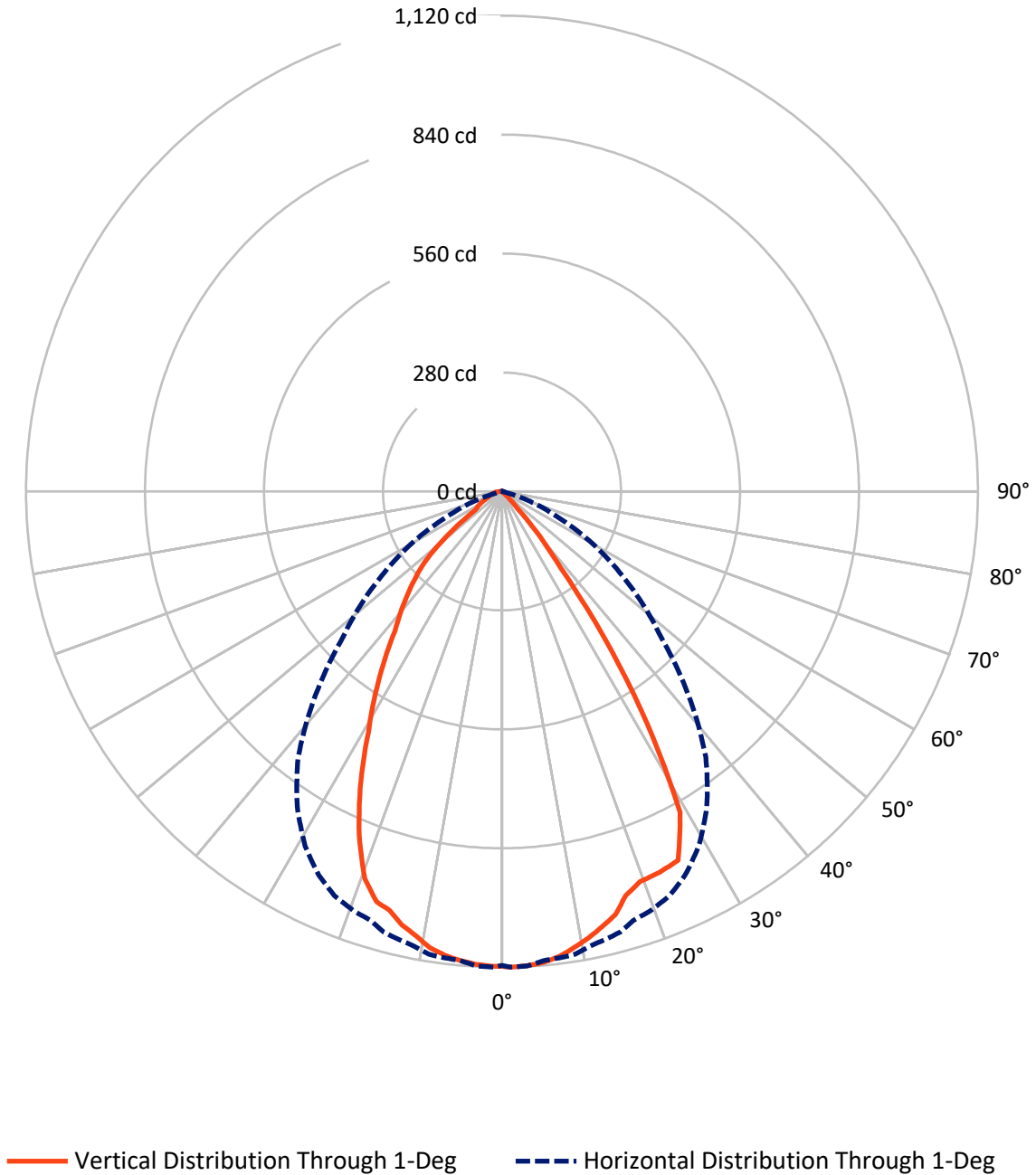
Lumen Table



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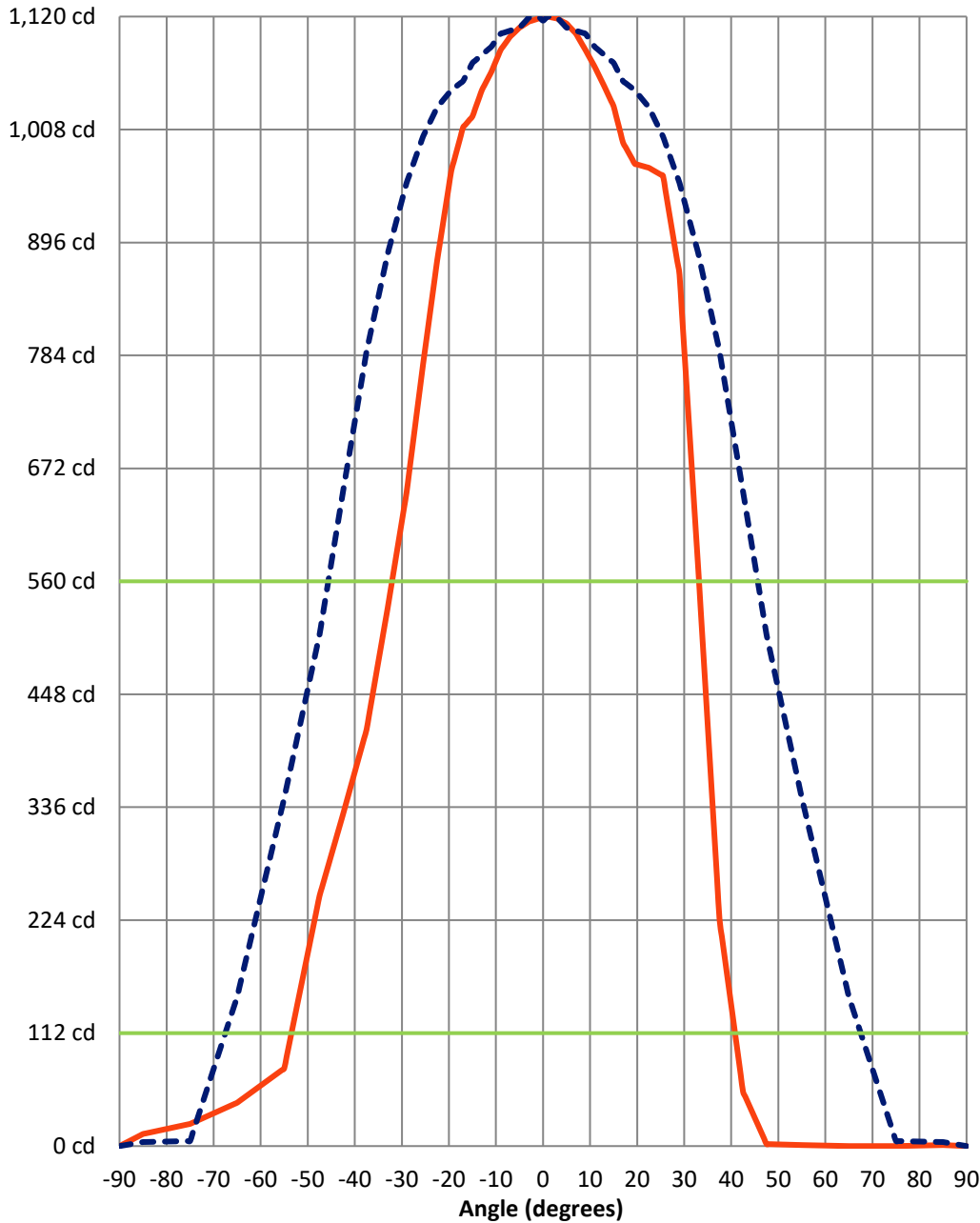
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 91.3°
 V Angle: 65.2°
 Lumens: 1276.5
 Efficiency: 73.4%

Field:
 H Angle: 135°
 V Angle: 94.3°
 Lumens: 1680.3
 Efficiency: 96.7%

Spill:
 Lumens: 58
 Efficiency: 3.3%

— 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	1	1	1	1	1	1	2	2	2	2
75°	0	0	1	1	1	1	1	1	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
47.5°	2	2	2	2	2	2	2	2	2	2	2
42.5°	56	54	50	53	52	50	47	53	56	57	49
37.5°	225	225	223	231	228	208	204	203	210	224	240
33°	575	571	574	575	578	579	580	573	577	576	571
29°	866	864	868	863	870	871	868	870	866	874	866
25.5°	961	962	963	957	965	971	965	963	954	952	950
22.5°	970	970	972	965	968	977	973	974	969	967	967
19.5°	973	974	975	967	972	976	973	976	975	974	977
17°	994	995	995	989	998	1004	1001	1004	1003	1000	1003
15°	1030	1031	1032	1027	1036	1043	1041	1041	1038	1031	1030
13°	1050	1051	1054	1050	1057	1062	1060	1062	1057	1045	1041
11°	1069	1070	1072	1066	1072	1076	1074	1071	1068	1065	1049
9°	1086	1087	1088	1079	1082	1085	1078	1077	1073	1060	1054
7°	1101	1103	1103	1093	1093	1093	1085	1080	1072	1063	1057
5°	1111	1113	1112	1102	1100	1098	1088	1085	1078	1062	1055
3°	1115	1118	1117	1106	1104	1101	1089	1085	1077	1062	1052
1°	1116	1120	1119	1109	1106	1103	1090	1082	1074	1056	1047
0°	1115	1118	1117	1107	1105	1102	1087	1080	1069	1052	1061
-1°	1115	1118	1118	1109	1106	1102	1087	1078	1067	1050	1047
-3°	1112	1115	1116	1108	1105	1100	1084	1074	1063	1045	1034
-5°	1105	1109	1108	1099	1095	1091	1076	1066	1053	1033	1015
-7°	1096	1100	1092	1088	1084	1082	1067	1055	1038	1015	993
-9°	1082	1087	1085	1077	1074	1070	1053	1039	1020	995	971
-11°	1065	1065	1069	1064	1059	1054	1034	1018	997	970	944
-13°	1045	1047	1050	1045	1039	1031	1010	992	971	942	914
-15°	1030	1021	1029	1021	1012	1004	981	961	935	908	878
-17°	1008	1010	1002	991	981	971	947	924	897	868	836
-19.5°	966	967	959	945	932	917	892	868	837	807	774
-22.5°	878	878	874	862	844	826	798	776	746	716	690
-25.5°	776	775	772	762	745	725	695	677	648	627	607
-29°	649	648	644	636	619	600	578	569	549	531	513
-33°	534	534	533	526	514	501	494	482	461	446	430
-37.5°	414	413	412	408	403	394	388	378	368	359	346
-42.5°	330	329	330	325	320	312	303	297	292	284	275
-47.5°	248	248	247	239	236	224	223	227	228	216	206
-55°	78	77	78	78	76	74	72	68	66	67	64
-65°	42	43	43	42	41	40	39	39	37	37	36
-75°	22	22	22	22	21	21	21	21	21	21	20
-85°	12	12	12	12	12	13	13	13	13	13	13
-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°	2	2	2	2	2	2	2	2	2	2	2
75°	1	1	1	1	1	1	1	1	2	2	2
65°	1	1	1	1	1	0	1	1	1	2	2
55°	1	1	1	1	1	0	0	0	1	2	2
47.5°	2	2	1	1	1	1	1	1	1	3	2
42.5°	46	42	36	27	19	15	8	3	2	3	2
37.5°	206	205	196	180	155	126	96	35	4	3	3
33°	571	558	542	517	468	254	223	121	9	4	3
29°	849	835	825	767	717	605	494	199	21	4	3
25.5°	942	931	906	860	794	692	555	282	40	4	4
22.5°	961	949	927	888	820	717	576	350	59	4	4
19.5°	974	964	943	904	840	735	594	368	81	5	4
17°	998	986	963	921	856	751	608	373	99	5	4
15°	1021	1007	982	937	871	760	611	374	112	5	4
13°	1031	1012	985	940	871	756	605	374	124	5	4
11°	1036	1015	986	940	870	750	594	373	136	5	4
9°	1039	1015	986	937	864	740	581	368	144	5	4
7°	1040	1015	984	932	854	724	564	362	150	5	4
5°	1039	1013	978	914	837	702	547	359	152	5	4
3°	1036	1009	969	905	815	677	527	353	151	5	4
1°	1030	1001	955	885	788	649	507	345	148	5	4
0°	1025	996	946	862	774	635	505	342	146	5	4
-1°	1022	991	939	864	762	623	492	339	144	5	4
-3°	1008	975	921	842	737	601	481	333	139	5	4
-5°	988	951	896	814	709	582	468	325	134	5	4
-7°	963	925	869	787	684	561	455	254	128	5	4
-9°	938	897	840	757	657	542	442	253	122	5	4
-11°	909	867	809	723	629	520	426	251	116	5	4
-13°	876	834	775	694	599	498	409	248	109	5	4
-15°	838	796	736	659	570	474	391	244	102	5	4
-17°	794	754	696	621	535	449	372	238	95	5	4
-19.5°	736	699	642	571	497	418	345	229	85	5	3
-22.5°	662	625	570	509	448	381	313	214	74	4	3
-25.5°	580	545	498	450	398	340	250	195	62	4	3
-29°	488	459	423	388	343	296	236	152	49	4	3
-33°	410	390	359	327	294	255	215	117	35	4	2
-37.5°	332	318	299	276	245	230	179	84	20	4	2
-42.5°	260	254	238	222	202	164	128	55	13	3	2
-47.5°	196	182	169	150	130	107	84	25	10	3	2
-55°	64	61	61	59	56	52	42	15	8	3	2
-65°	35	34	34	33	31	28	20	11	6	3	2
-75°	20	19	18	17	16	14	11	8	5	3	2
-85°	13	13	12	12	11	10	9	7	5	3	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)