

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: P25377

Luminaire Tested: **XTOR3A-N-WT-XTORFLD + VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25377
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3A-N-WT-XTORFLD + VISOR
Description: LUMARK CROSSTOUR LED WHITE 30W XTORFLD WITH VISOR
Light Source: (1) 3500K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

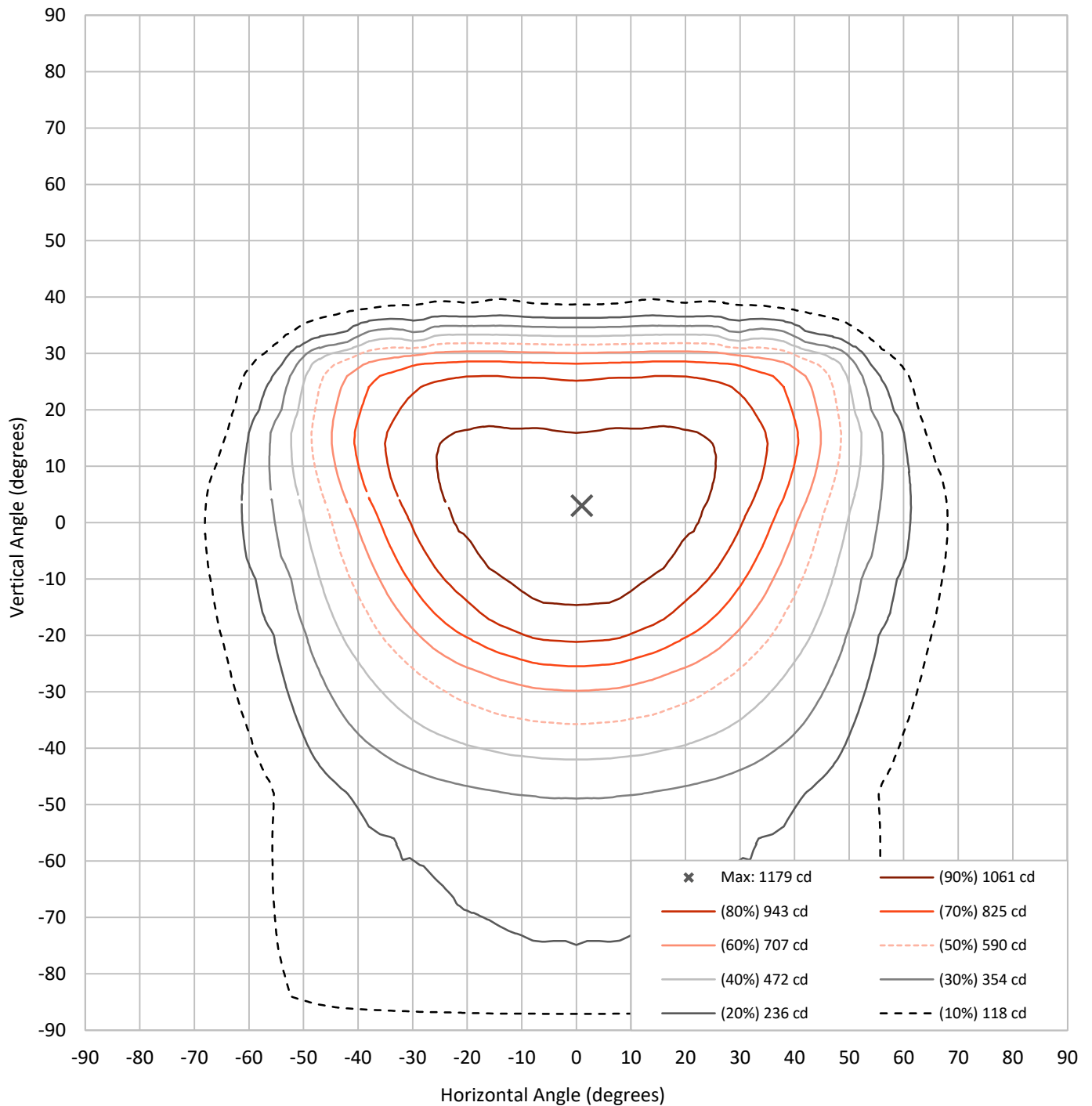
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	2084.1 lumens	Max Intensity:	1179 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 3°V
Efficacy:	80.2 lumens/watt		
Luminous Opening:	(L: 0' x W: 0.46' x H: 0.15')		
Beam Angle (50%):	91.6°H x 67.4°V	Field Angle (10%):	135.9°H x 125.9°V
Beam Lumens:	1375 lumens	Field Lumens:	2021.6 lumens
Beam Efficiency:	66.0%	Field Efficiency:	97.0%
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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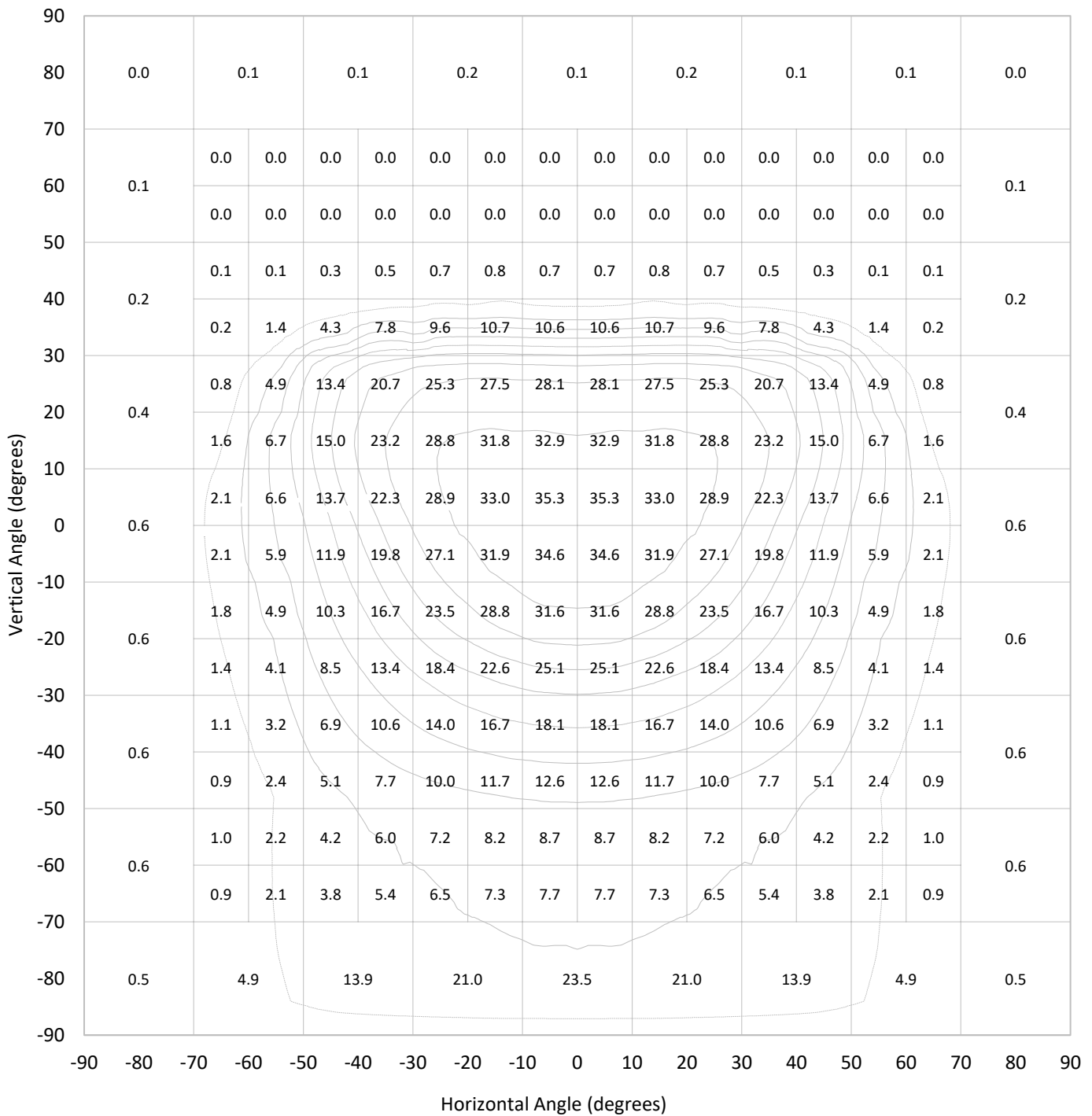
Iso-Candela Plot





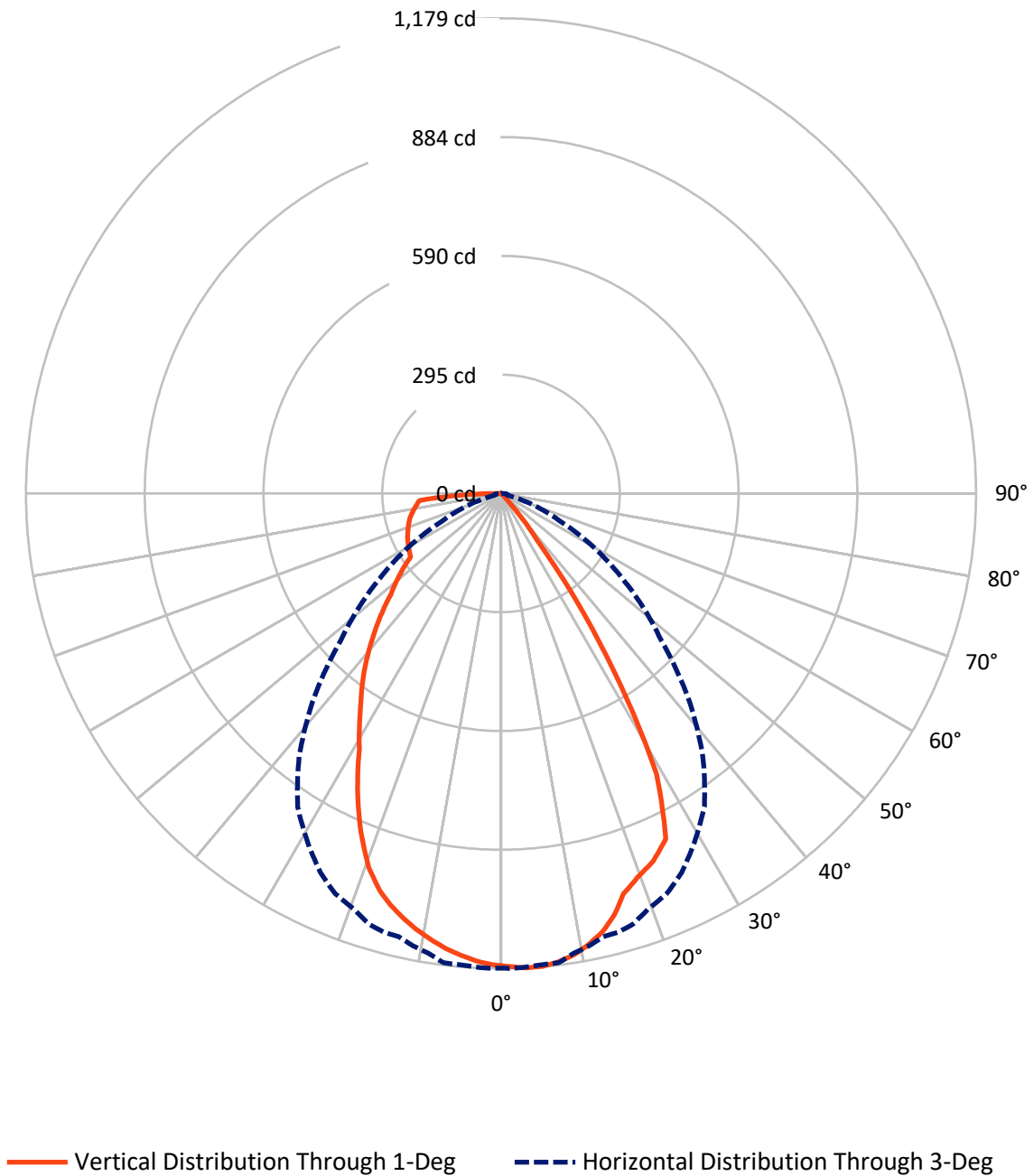
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Lumen Table



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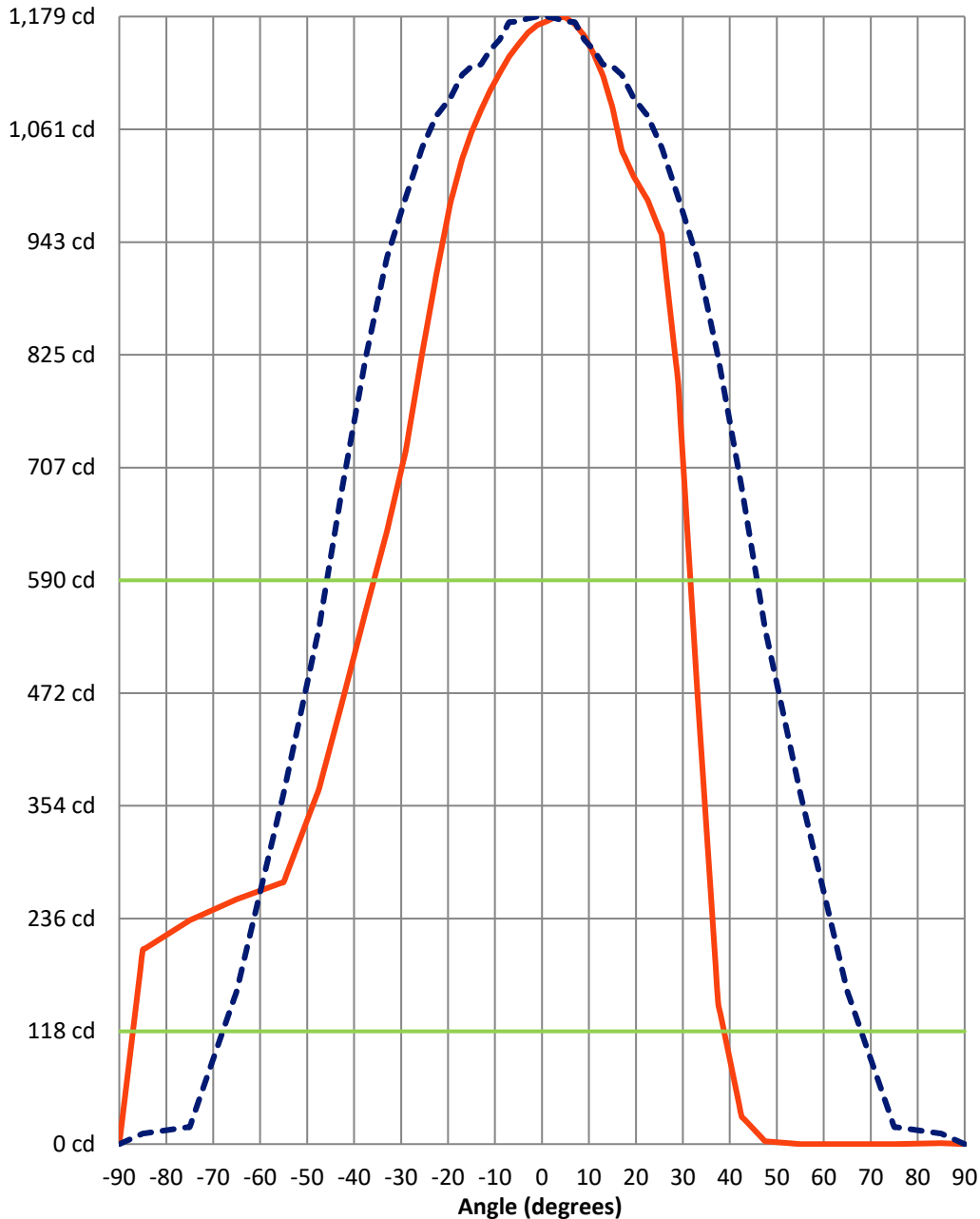
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 91.6°
 V Angle: 67.4°
 Lumens: 1375
 Efficiency: 66.0%

Field:
 H Angle: 135.9°
 V Angle: 125.9°
 Lumens: 2021.6
 Efficiency: 97.0%

Spill:
 Lumens: 62.5
 Efficiency: 3.0%

— Vertical Distribution through 1-Deg
 - - Horizontal Distribution through 3-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	2	2	2	2	2	2	2	2	2
75°	0	0	1	1	1	1	2	2	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
55°	0	0	0	0	1	1	1	1	1	1	1
47.5°	4	3	4	4	4	4	4	4	4	4	4
42.5°	32	29	28	26	26	29	35	42	43	34	25
37.5°	146	148	143	151	151	156	165	178	174	165	155
33°	474	479	470	481	477	484	485	490	491	493	496
29°	794	796	795	803	804	809	808	817	823	819	822
25.5°	949	950	951	958	959	960	958	961	966	963	963
22.5°	985	987	988	992	995	996	992	996	1003	1002	999
19.5°	1011	1012	1012	1017	1020	1017	1013	1017	1025	1025	1021
17°	1037	1039	1041	1047	1054	1053	1052	1055	1063	1061	1054
15°	1082	1084	1086	1092	1099	1095	1094	1093	1099	1096	1084
13°	1116	1117	1117	1121	1128	1123	1118	1115	1121	1117	1100
11°	1138	1140	1142	1141	1145	1136	1131	1125	1129	1124	1107
9°	1158	1159	1157	1157	1159	1146	1139	1131	1132	1127	1109
7°	1170	1171	1168	1167	1167	1152	1142	1132	1133	1126	1105
5°	1176	1178	1175	1173	1172	1156	1145	1132	1132	1124	1100
3°	1178	1179	1177	1174	1173	1155	1144	1129	1127	1118	1094
1°	1173	1174	1171	1169	1169	1150	1138	1123	1120	1107	1084
0°	1171	1172	1169	1168	1166	1149	1136	1121	1116	1104	1105
-1°	1169	1170	1168	1167	1165	1147	1135	1119	1114	1101	1082
-3°	1162	1162	1160	1159	1159	1141	1127	1111	1106	1091	1060
-5°	1149	1150	1149	1147	1146	1130	1116	1100	1094	1078	1047
-7°	1135	1137	1134	1133	1132	1116	1102	1085	1079	1062	1029
-9°	1119	1120	1117	1117	1115	1099	1086	1068	1062	1044	1010
-11°	1101	1102	1098	1098	1095	1080	1067	1050	1042	1022	988
-13°	1081	1081	1078	1077	1074	1059	1045	1029	1019	998	963
-15°	1057	1058	1053	1053	1050	1035	1021	1004	993	969	933
-17°	1030	1030	1026	1025	1022	1008	991	974	960	935	899
-19.5°	984	984	980	978	973	959	941	924	908	882	850
-22.5°	909	909	903	902	897	884	866	851	835	810	783
-25.5°	824	827	820	817	812	801	782	770	751	733	715
-29°	723	725	720	717	714	707	693	687	675	657	644
-33°	640	641	637	633	632	626	616	613	603	589	576
-37.5°	557	558	554	552	550	544	539	536	525	516	506
-42.5°	462	463	461	460	458	451	451	446	436	432	424
-47.5°	372	371	371	371	368	363	364	358	353	348	341
-55°	275	274	275	275	274	275	271	268	267	265	261
-65°	257	256	257	256	256	253	253	251	249	246	243
-75°	236	234	234	234	235	233	231	230	227	225	225
-85°	203	203	203	202	201	200	200	200	199	196	193
-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	3
75°	1	1	1	1	1	1	1	2	2	2	3
65°	1	1	1	1	1	1	1	1	1	2	3
55°	1	1	1	1	1	1	1	1	1	3	4
47.5°	4	4	4	4	4	4	3	4	4	5	5
42.5°	35	26	26	21	17	12	9	7	6	8	5
37.5°	162	169	143	145	132	103	78	25	9	11	6
33°	495	491	373	455	430	253	213	84	13	14	7
29°	810	806	793	742	708	602	493	166	20	15	8
25.5°	957	947	926	880	825	713	569	261	31	16	8
22.5°	993	979	958	917	850	739	590	298	45	17	9
19.5°	1018	1005	982	942	873	762	608	320	64	17	9
17°	1048	1031	1005	962	890	779	621	382	81	18	9
15°	1074	1053	1024	979	903	785	623	386	97	18	10
13°	1086	1062	1027	979	899	778	618	387	111	18	10
11°	1090	1063	1025	975	891	767	608	387	124	18	10
9°	1091	1062	1021	968	880	753	595	385	137	18	10
7°	1089	1058	1013	960	864	734	577	379	147	18	11
5°	1083	1051	1003	944	846	712	559	374	155	18	11
3°	1075	1042	990	927	823	687	539	367	160	18	11
1°	1063	1026	975	907	798	661	522	360	162	18	11
0°	1057	1034	968	898	787	651	517	358	162	18	11
-1°	1053	1019	962	890	776	641	512	354	162	18	11
-3°	1038	1003	944	868	753	625	502	347	160	19	11
-5°	1022	983	923	844	730	609	491	340	156	19	11
-7°	1002	962	901	820	709	591	479	332	152	19	11
-9°	981	938	875	795	686	574	468	295	147	19	11
-11°	955	912	850	769	661	557	455	289	140	20	12
-13°	927	883	821	740	637	539	443	282	136	20	11
-15°	896	852	791	710	614	523	430	275	131	21	11
-17°	862	819	757	678	592	506	416	269	126	21	11
-19.5°	816	773	713	642	566	484	399	240	119	22	11
-22.5°	752	714	658	597	532	457	377	232	110	23	11
-25.5°	688	650	607	555	497	428	354	221	102	24	11
-29°	619	588	554	511	461	398	331	206	92	25	11
-33°	555	532	504	467	423	366	306	186	81	26	11
-37.5°	488	471	449	417	378	329	275	163	70	27	10
-42.5°	410	399	379	355	320	280	237	139	68	29	10
-47.5°	333	322	307	287	261	235	202	118	70	29	10
-55°	258	252	245	236	235	204	176	121	73	31	10
-65°	238	233	226	235	204	189	163	121	71	31	10
-75°	227	211	206	198	187	171	152	117	67	31	10
-85°	188	184	179	172	163	151	136	106	60	29	9
-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)