

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: ALL-PRO

Report Number: P22735

Luminaire Tested: **FSL2030L**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P22735
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: FSL2030L
Description: CONSUMER PRODUCTS LARGE SINGLE BRONZE LED FLOOD
Light Source: 5000K LEDS

Ballast/Driver: (1) ELECTRONIC DRIVER

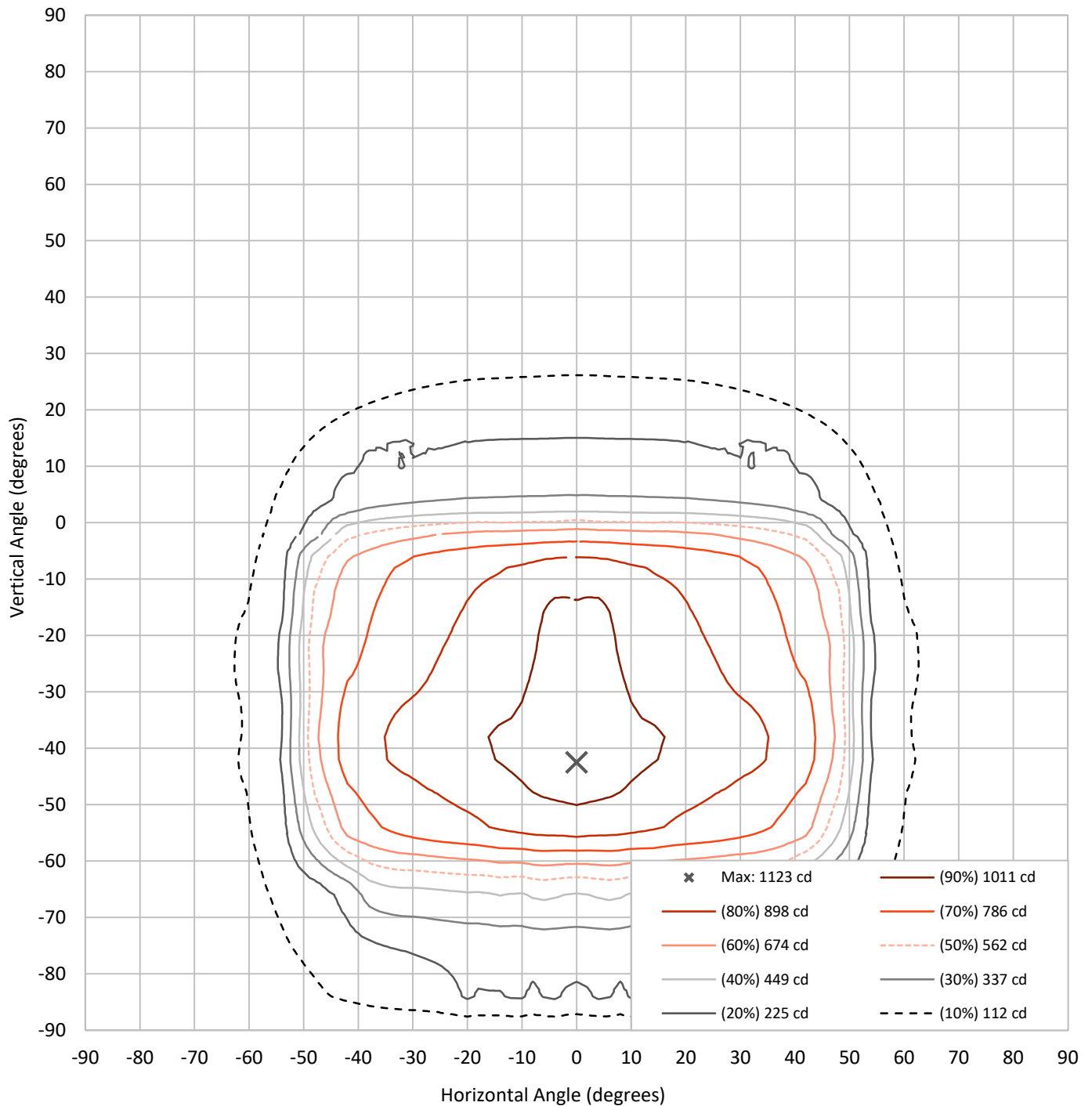
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	1886.5 lumens	Max Intensity:	1123 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -42.5°V
Efficacy:	64.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.58' x L: 0.33' x H: 0')		
Beam Angle (50%):	98°H x 63.1°V	Field Angle (10%):	124.2°H x 113.3°V
Beam Lumens:	1379.6 lumens	Field Lumens:	1791.2 lumens
Beam Efficiency:	73.1%	Field Efficiency:	94.9%
Input Watts (W):	29.1		
Input Voltage (V):	120.06		
Input Current (Ain):	0.248		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	24 HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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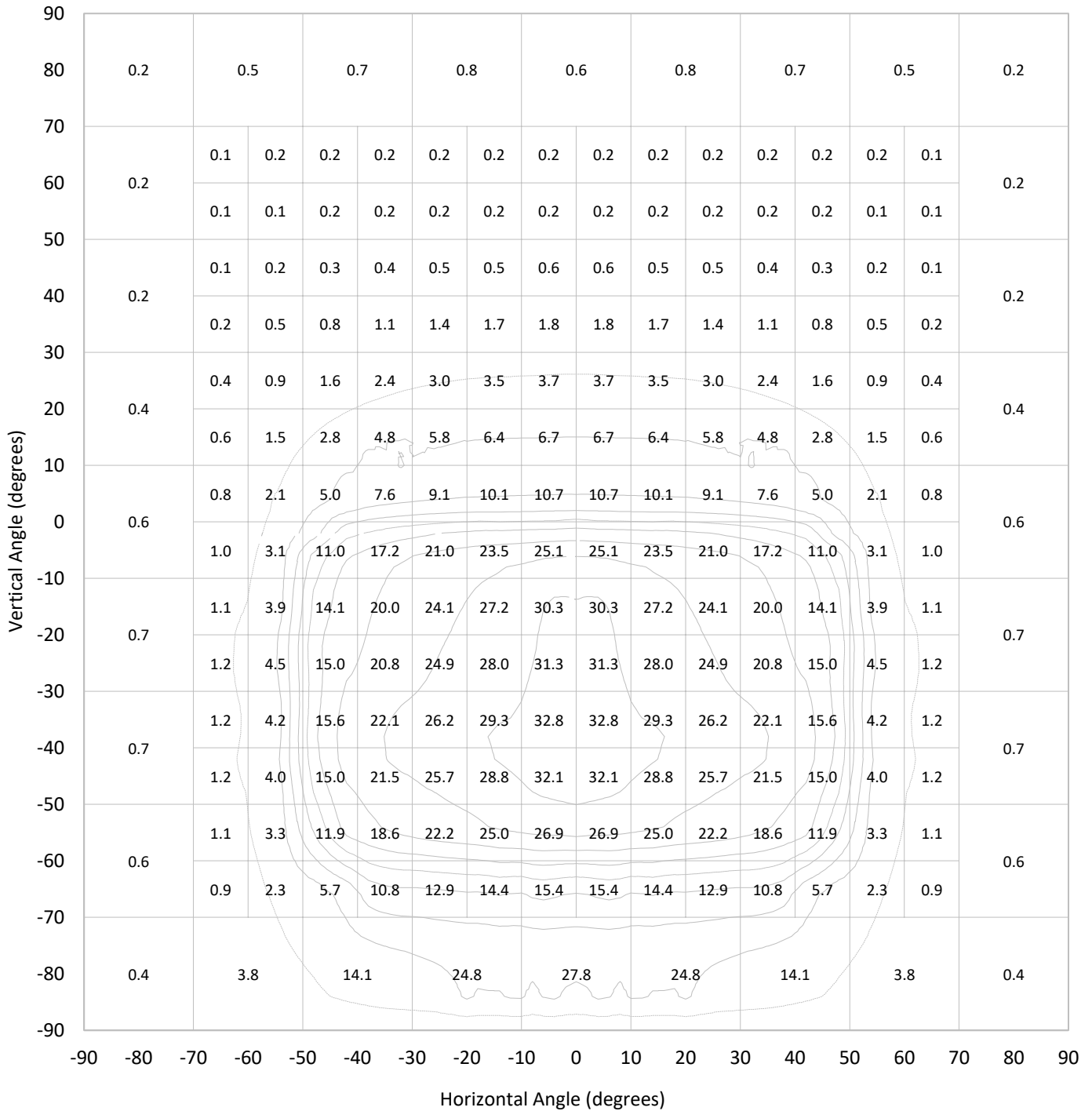
Iso-Candela Plot





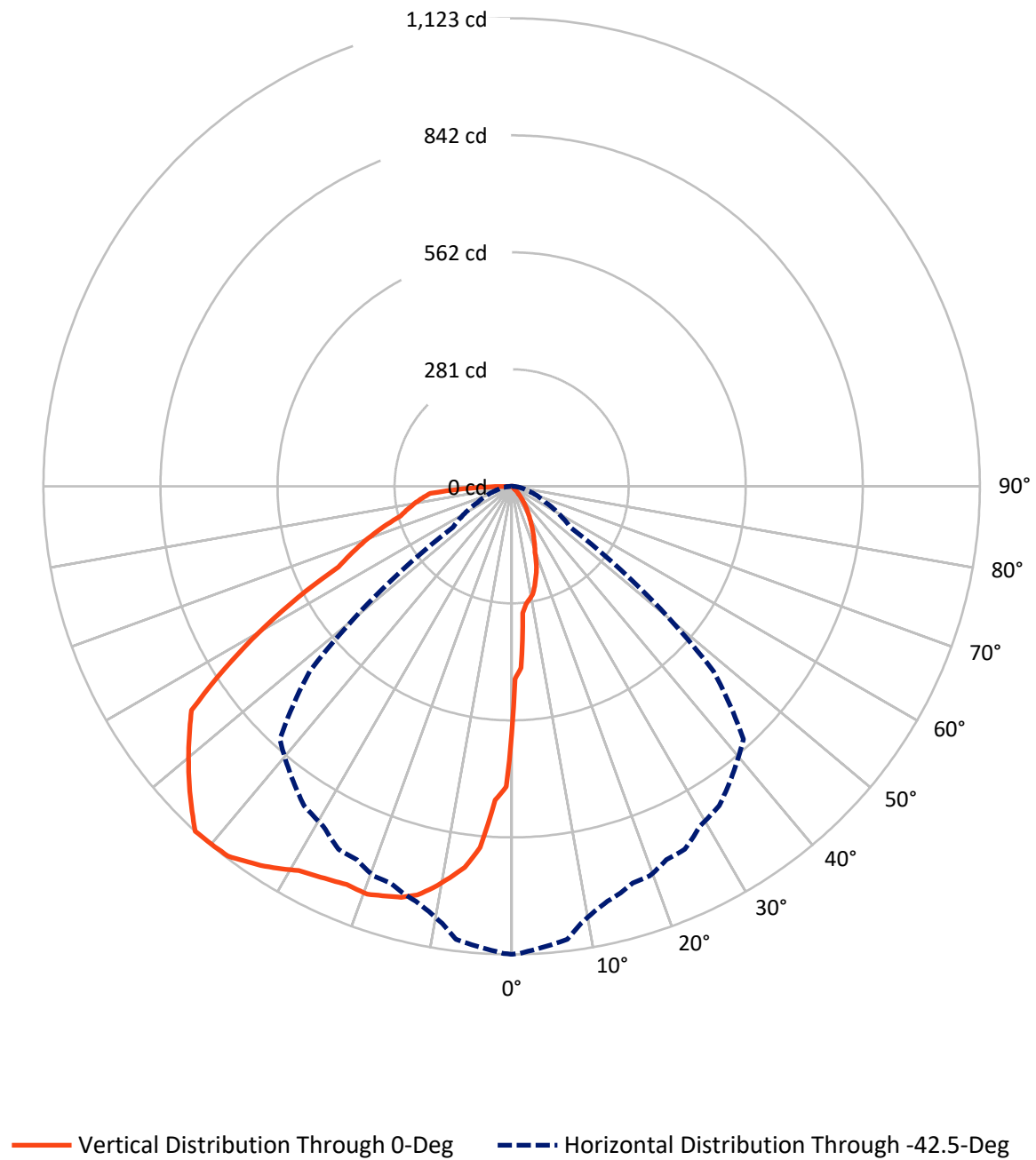
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Lumen Table



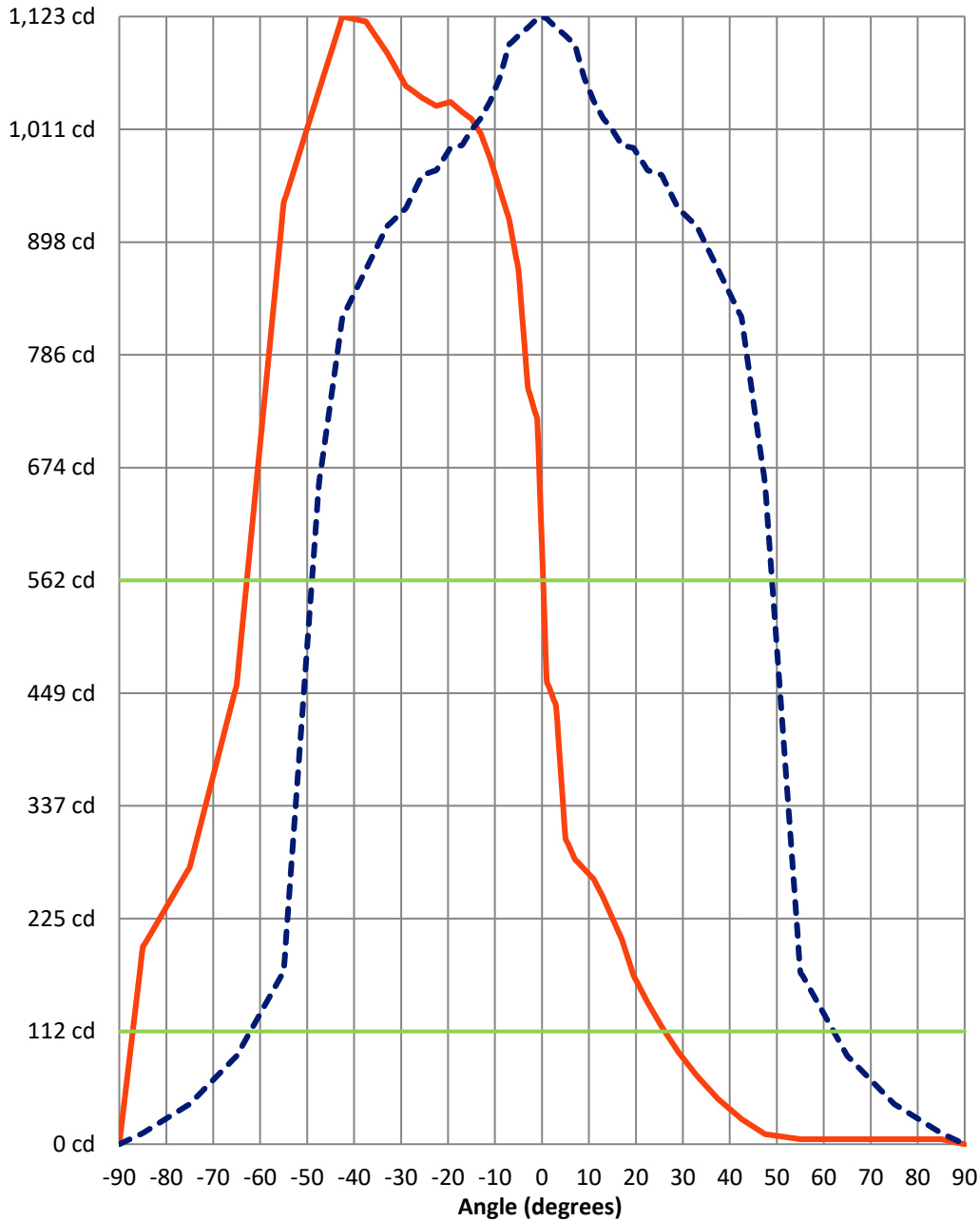
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 98°
 V Angle: 63.1°
 Lumens: 1379.6
 Efficiency: 73.1%

Field:
 H Angle: 124.2°
 V Angle: 113.3°
 Lumens: 1791.2
 Efficiency: 94.9%

Spill:
 Lumens: 95.3
 Efficiency: 5.1%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -42.5-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°	5	5	5	7	8	9	9	9	9	9	9
75°	5	5	5	5	5	5	5	6	7	8	8
65°	5	5	5	5	5	5	5	5	5	5	6
55°	5	5	5	5	5	5	5	5	5	5	5
47.5°	10	10	10	10	10	10	10	10	10	10	10
42.5°	25	25	25	24	24	24	24	24	24	24	23
37.5°	45	45	45	44	44	44	44	44	44	43	42
33°	68	68	68	67	67	66	67	66	66	65	64
29°	92	92	92	91	91	91	90	90	89	88	87
25.5°	117	117	117	116	115	115	114	113	113	112	111
22.5°	141	141	141	139	139	139	138	137	137	136	134
19.5°	168	168	168	167	167	166	166	165	165	164	162
17°	204	204	204	202	202	202	202	201	200	200	198
15°	225	225	225	224	224	224	223	223	223	222	219
13°	246	246	246	244	244	243	243	243	241	240	237
11°	264	264	264	262	261	260	259	257	255	253	249
9°	274	273	273	272	271	269	268	266	263	260	256
7°	284	284	283	282	281	279	277	275	272	269	265
5°	305	306	307	298	300	300	300	300	298	298	294
3°	436	436	434	433	429	424	421	415	412	408	409
1°	462	463	454	463	451	451	454	452	453	455	454
0°	595	596	576	573	572	571	566	564	562	574	565
-1°	721	721	705	703	702	696	690	684	681	687	669
-3°	754	755	754	750	749	742	741	734	734	728	719
-5°	870	871	863	868	858	848	847	840	833	831	821
-7°	921	925	922	915	915	902	900	892	886	875	866
-9°	951	956	961	942	931	916	911	902	895	890	880
-11°	981	984	989	984	953	931	926	915	908	902	890
-13°	1006	1011	1006	1010	974	943	932	927	919	910	899
-15°	1021	1032	1028	1026	992	953	940	933	925	918	905
-17°	1028	1030	1048	1027	1004	964	950	943	933	924	911
-19.5°	1038	1039	1050	1034	1017	972	957	949	939	929	916
-22.5°	1034	1040	1039	1042	1019	983	961	952	945	937	923
-25.5°	1042	1043	1048	1050	1026	996	971	960	952	944	930
-29°	1054	1060	1058	1059	1040	1010	983	971	961	954	942
-33°	1087	1078	1078	1079	1065	1033	1002	994	986	975	964
-37.5°	1118	1117	1115	1119	1093	1070	1034	1029	1019	1006	993
-42.5°	1123	1121	1112	1104	1095	1062	1039	1022	1010	995	992
-47.5°	1049	1047	1038	1031	1023	1005	979	964	949	940	930
-55°	937	933	929	926	925	920	913	907	897	885	870
-65°	458	460	473	488	494	469	447	477	468	450	457
-75°	276	276	275	275	274	272	270	268	266	263	260
-85°	196	197	217	248	198	196	261	194	234	195	240
-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°	9	9	9	9	9	9	9	9	9	9	9
75°	8	8	9	9	9	9	9	9	9	9	9
65°	7	8	8	8	8	8	8	9	9	9	9
55°	5	6	6	7	8	8	8	8	8	9	9
47.5°	10	10	10	10	11	10	10	9	9	9	9
42.5°	23	22	21	20	20	18	17	14	11	10	9
37.5°	41	40	38	36	33	31	27	21	14	11	9
33°	62	60	58	54	49	45	39	30	19	12	9
29°	85	82	78	74	67	61	53	40	24	14	9
25.5°	108	105	100	94	86	77	66	49	29	15	9
22.5°	131	127	122	114	104	92	79	58	34	17	9
19.5°	158	154	147	138	126	110	93	68	39	18	9
17°	217	223	202	161	146	127	107	76	44	20	9
15°	215	209	225	240	163	141	117	82	47	21	9
13°	232	226	218	231	248	155	127	89	51	23	9
11°	244	238	228	216	254	167	137	95	54	24	9
9°	251	245	236	224	260	214	145	100	58	25	9
7°	259	252	244	232	240	259	153	106	61	27	9
5°	290	285	281	273	259	261	160	110	64	28	10
3°	397	385	367	346	319	263	208	115	67	29	10
1°	450	447	443	428	412	376	263	119	69	30	10
0°	556	544	530	508	477	422	266	121	71	31	10
-1°	657	638	612	581	535	478	263	123	72	31	10
-3°	708	703	681	662	617	562	333	126	75	32	10
-5°	807	791	770	734	691	629	476	130	77	33	10
-7°	856	836	816	782	746	677	526	133	79	34	10
-9°	868	849	825	796	757	700	545	135	81	35	10
-11°	875	856	834	806	767	716	583	138	83	36	10
-13°	881	864	840	809	776	719	606	140	84	37	10
-15°	889	872	849	819	783	722	615	142	86	38	10
-17°	895	876	856	825	788	735	624	156	87	38	10
-19.5°	902	885	862	832	794	739	648	179	88	39	10
-22.5°	908	895	873	845	804	750	663	186	89	40	10
-25.5°	915	901	882	854	814	763	650	191	89	41	11
-29°	928	913	892	867	828	788	648	172	90	41	11
-33°	948	937	918	897	858	814	659	150	90	41	11
-37.5°	987	965	953	918	878	821	685	152	89	40	11
-42.5°	970	965	932	914	871	823	657	172	88	40	11
-47.5°	917	903	884	853	823	766	600	144	86	38	11
-55°	860	847	825	805	761	698	476	138	82	35	11
-65°	448	440	431	434	408	261	184	121	71	30	10
-75°	255	249	239	228	209	177	137	98	55	24	10
-85°	202	172	160	149	135	117	97	68	38	18	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)