

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: P27502

Luminaire Tested: **XTOR3B-FLD-KNC**

Test Date: 03/07/16

**Test Information**

Test Method: LM-79-08  
Report Number: P27502  
Test Lab: INNOVATION CENTER-P2  
Test Date: 03/07/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR3B-FLD-KNC  
Description: CROSSTOUR 26W FLOOD LED WITH BRONZE HOUSING AND VISOR  
Light Source: (1) 5000K CITIZEN LED  
CLL038-1205C4-50AL7K3  
Ballast/Driver: (1) ERP ELECTRONIC DRIVER  
ESS030W-0620-42-CPLV

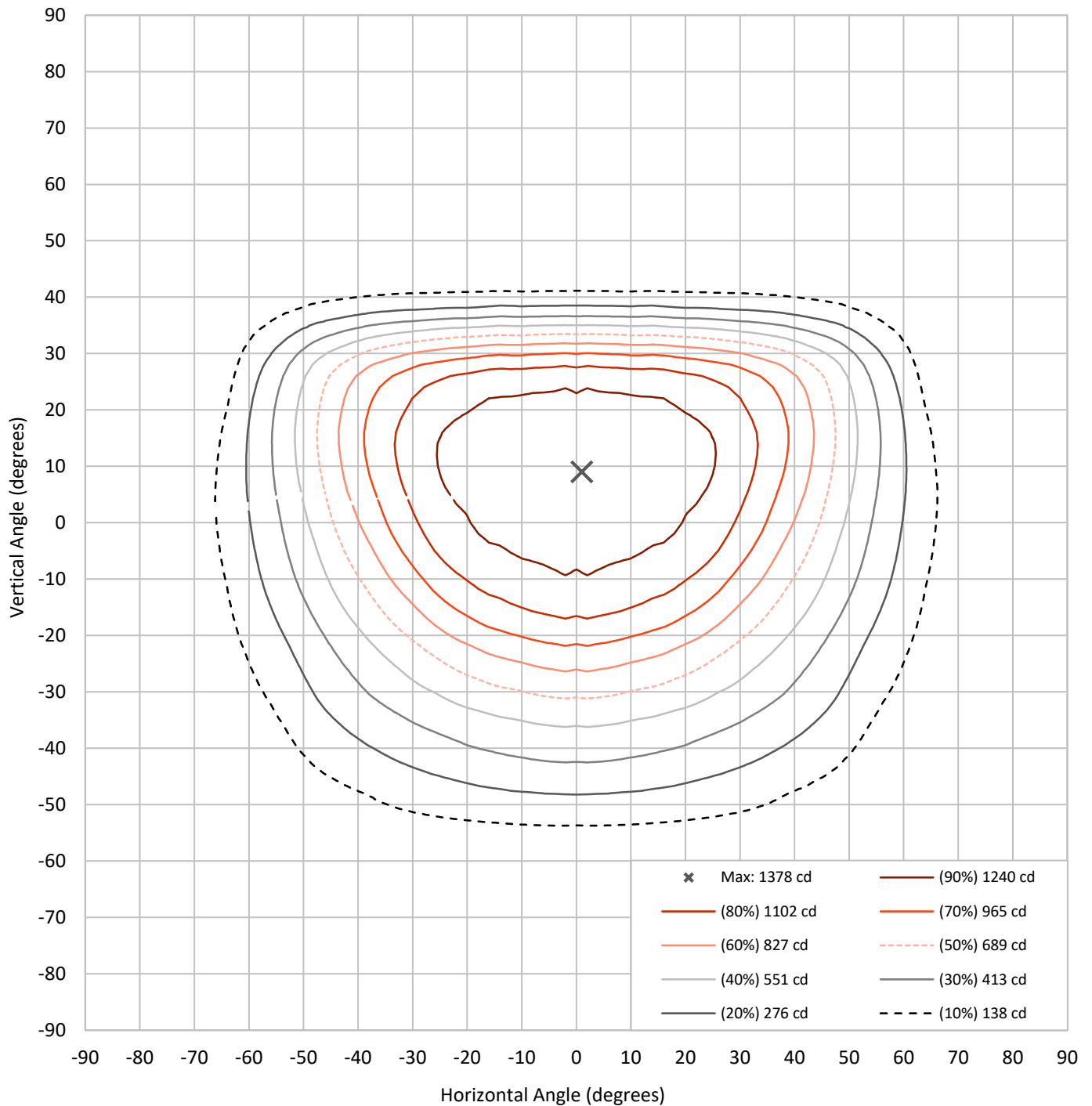
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 5V
Luminaire Lumens:	2099.3 lumens	Max Intensity:	1378 candela
Efficiency:	N/A	Max Intensity Angle:	1°H x 9°V
Efficacy:	82.3 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.5 ' x H: 0.17 ')		
Beam Angle (50%):	93.7°H x 64.8°V	Field Angle (10%):	131.8°H x 94.9°V
Beam Lumens:	1490.7 lumens	Field Lumens:	2020.7 lumens
Beam Efficiency:	71.0%	Field Efficiency:	96.3%
Input Watts (W):	25.5		
Input Voltage (V):	120.1		
Input Current (A <sub>in</sub> ):	0.215		
Voltage Rise (V):	NR		
Power Factor:	0.9928		
Total Harmonic Distortion (THDi):	10.9%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	24 HR		
Ambient Temperature (°C):	25.1		
Test Distance:	25 FT		



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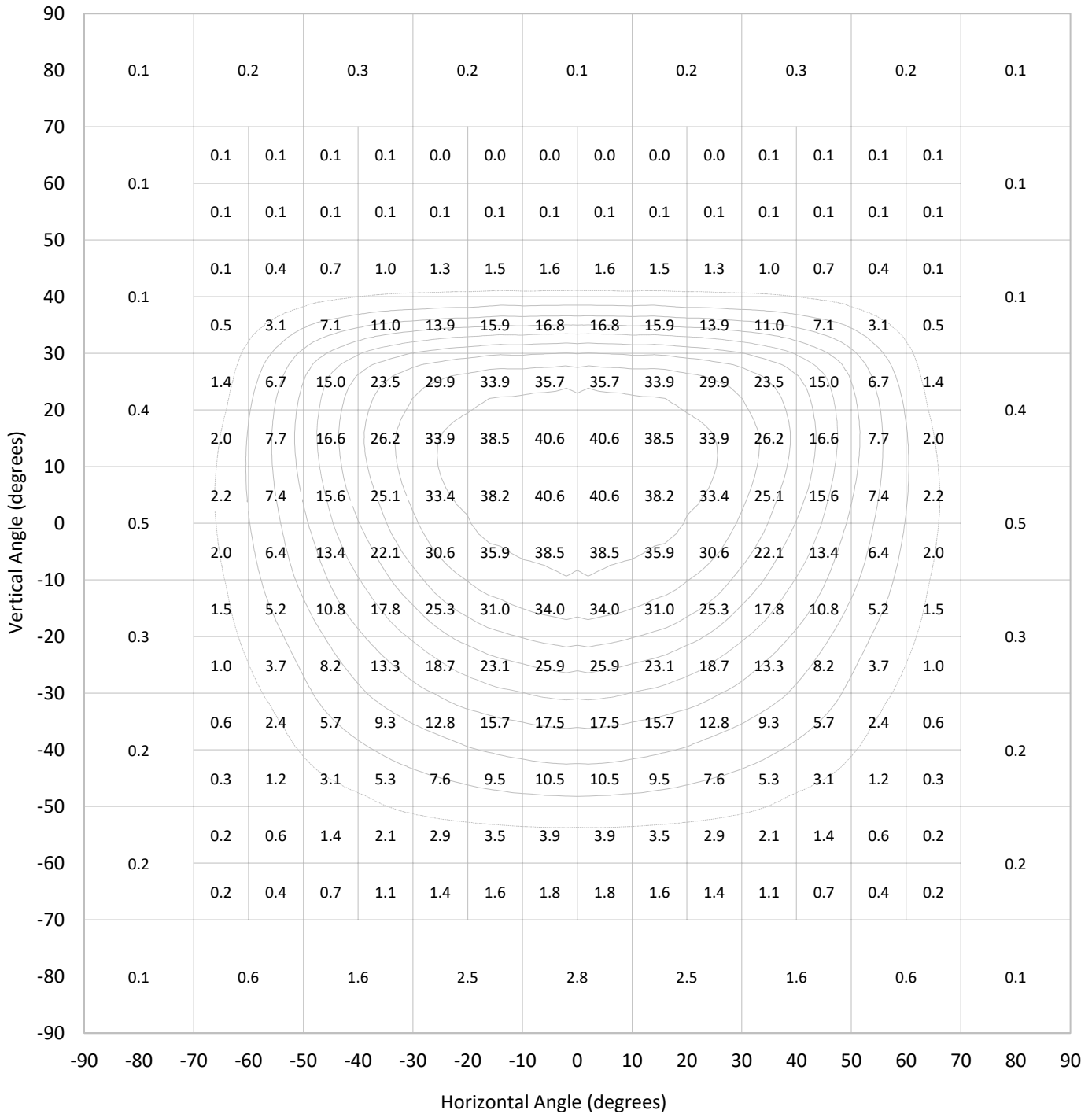
### Iso-Candela Plot





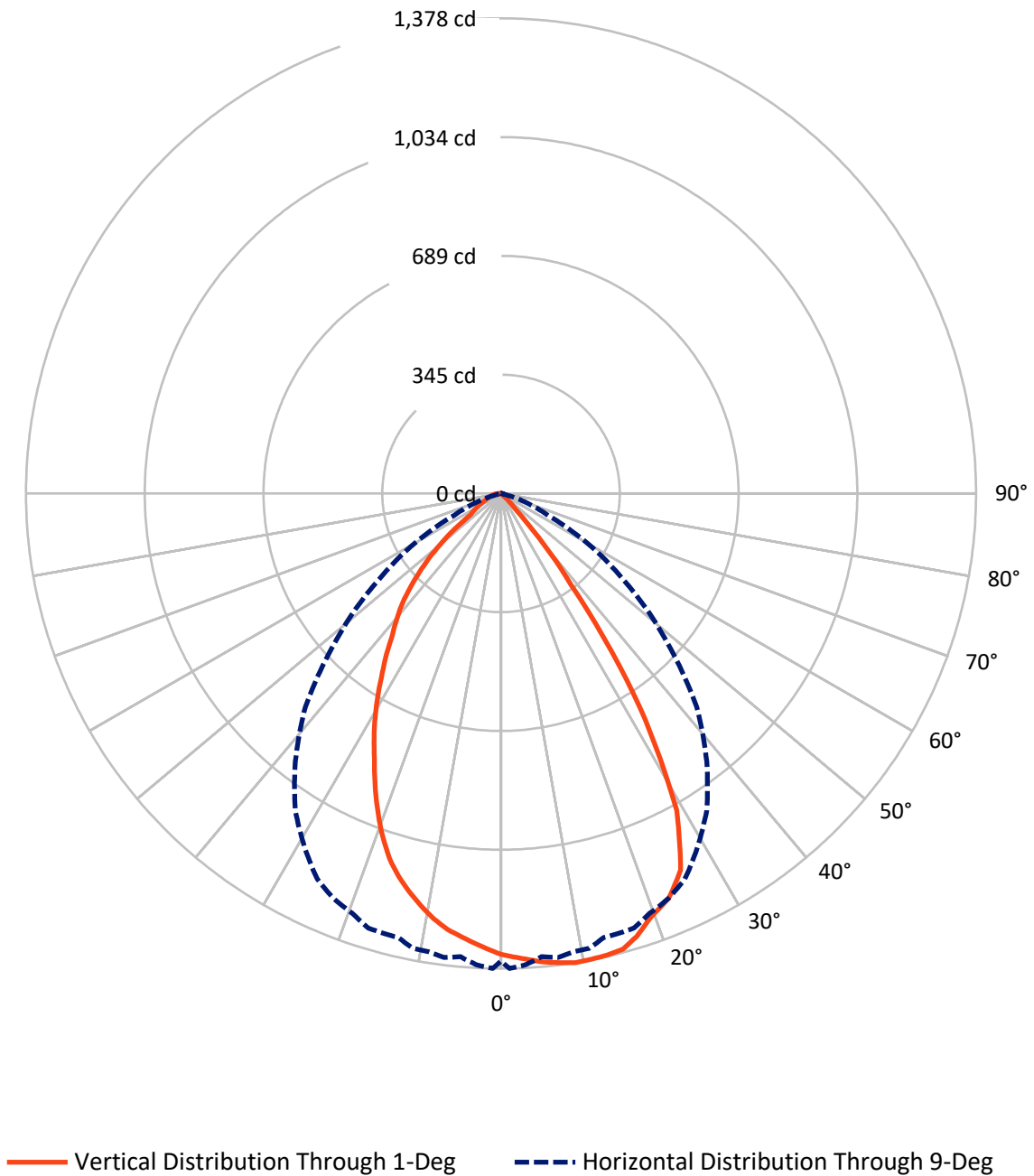
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### Lumen Table



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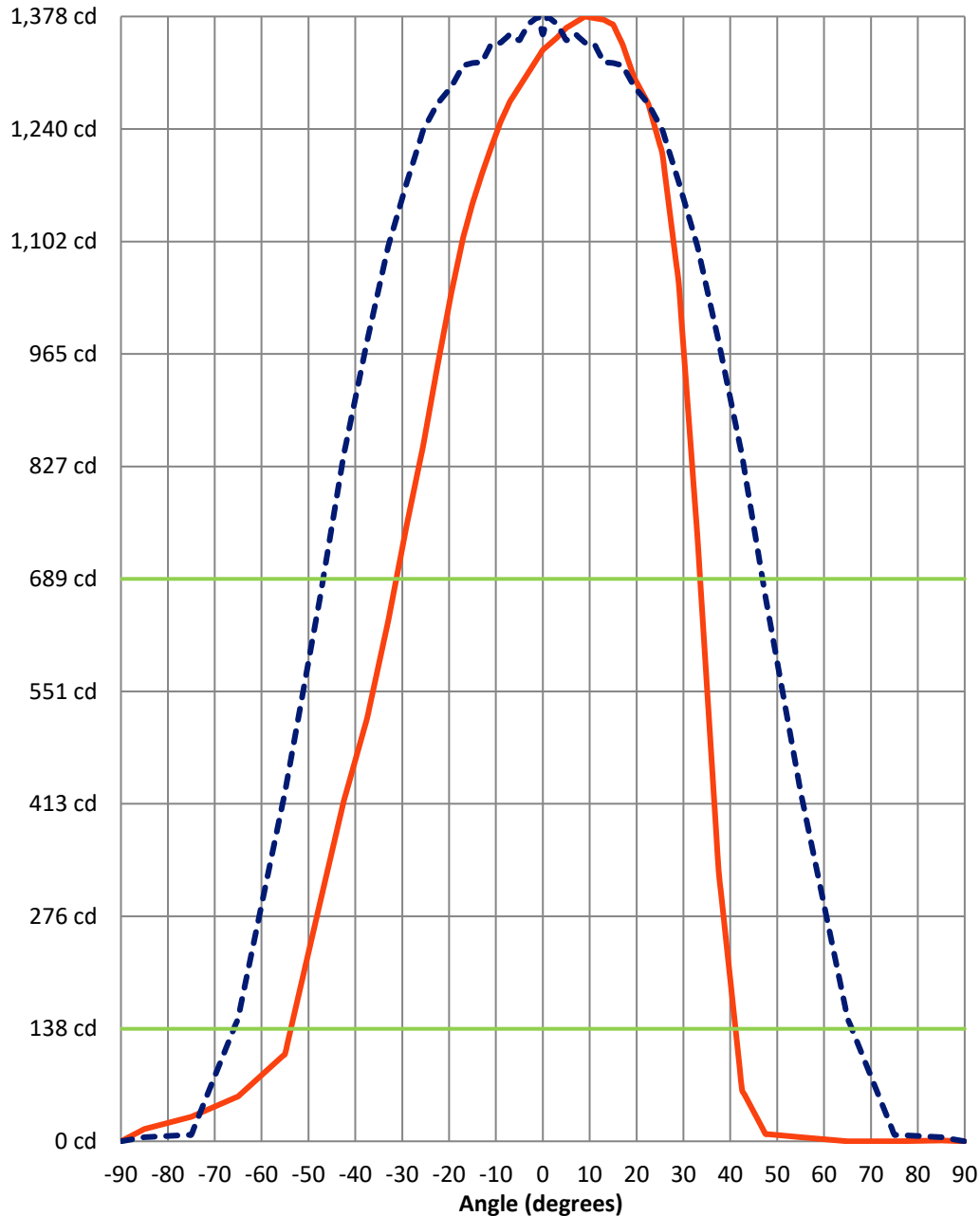
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 93.7°  
 V Angle: 64.8°  
 Lumens: 1490.7  
 Efficiency: 71.0%

**Field:**  
 H Angle: 131.8°  
 V Angle: 94.9°  
 Lumens: 2020.7  
 Efficiency: 96.3%

**Spill:**  
 Lumens: 78.6  
 Efficiency: 3.7%

— Vertical Distribution through 1-Deg  
 - - - Horizontal Distribution through 9-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	3	3	3	3	3	3
75°	0	0	1	1	1	2	2	2	2	2	2
65°	0	0	1	1	1	1	1	1	1	1	1
55°	5	5	5	4	4	4	4	4	4	4	4
47.5°	9	9	9	9	9	8	9	8	8	8	8
42.5°	65	63	63	65	61	57	61	62	62	61	59
37.5°	328	332	326	328	325	322	322	333	325	315	306
33°	729	739	732	730	727	720	705	721	717	701	690
29°	1037	1051	1045	1035	1037	1028	1017	1027	1030	1014	993
25.5°	1193	1210	1204	1189	1196	1186	1183	1181	1184	1168	1149
22.5°	1252	1271	1266	1251	1258	1248	1245	1239	1242	1229	1208
19.5°	1281	1303	1298	1282	1288	1276	1275	1267	1273	1265	1243
17°	1323	1344	1338	1321	1327	1314	1313	1302	1307	1301	1278
15°	1345	1368	1364	1348	1353	1340	1338	1323	1327	1323	1297
13°	1351	1374	1368	1352	1358	1346	1344	1326	1328	1326	1301
11°	1353	1376	1369	1352	1359	1346	1345	1326	1326	1325	1300
9°	1356	1378	1369	1349	1356	1346	1344	1322	1321	1318	1292
7°	1349	1371	1364	1344	1350	1338	1336	1314	1311	1309	1281
5°	1341	1364	1355	1335	1341	1330	1328	1305	1300	1298	1267
3°	1330	1352	1343	1322	1328	1317	1317	1294	1288	1285	1253
1°	1320	1342	1333	1312	1317	1307	1308	1286	1278	1276	1242
0°	1315	1337	1327	1305	1310	1301	1301	1279	1274	1271	1237
-1°	1307	1328	1318	1297	1301	1292	1293	1272	1267	1262	1228
-3°	1290	1310	1302	1281	1285	1275	1274	1254	1248	1244	1209
-5°	1273	1292	1286	1264	1265	1256	1254	1233	1228	1223	1187
-7°	1255	1274	1267	1246	1245	1233	1233	1212	1204	1197	1162
-9°	1233	1249	1243	1223	1223	1210	1206	1185	1176	1166	1131
-11°	1203	1218	1213	1194	1195	1179	1174	1153	1142	1132	1095
-13°	1169	1185	1180	1162	1164	1146	1139	1117	1104	1093	1054
-15°	1135	1149	1146	1128	1127	1110	1102	1079	1065	1050	1010
-17°	1095	1107	1105	1085	1085	1065	1056	1033	1019	999	960
-19.5°	1028	1040	1036	1017	1015	992	982	960	947	927	890
-22.5°	934	949	938	927	921	898	888	870	859	836	805
-25.5°	841	853	848	835	831	809	800	786	776	752	727
-29°	747	756	753	742	737	719	707	697	688	667	649
-33°	629	637	633	627	620	608	595	589	581	563	549
-37.5°	513	518	516	512	507	498	489	485	473	463	452
-42.5°	413	416	414	411	406	400	393	389	378	373	362
-47.5°	293	293	290	290	286	281	280	273	266	261	249
-55°	104	107	106	106	105	104	102	99	97	95	92
-65°	55	55	55	55	54	54	53	52	52	50	50
-75°	30	30	30	30	30	30	30	30	29	29	29
-85°	15	15	16	17	18	18	18	18	18	18	18
-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°	4	4	3	3	3	4	4	4	4	5	5
75°	2	2	2	3	3	3	3	4	4	4	5
65°	1	1	1	2	2	2	3	4	4	4	5
55°	4	4	4	4	4	4	4	4	4	5	5
47.5°	8	8	7	7	6	7	7	6	5	5	5
42.5°	60	53	57	54	46	42	36	32	6	6	5
37.5°	306	299	284	274	251	213	182	105	11	6	5
33°	680	659	627	596	547	470	388	221	28	6	5
29°	976	948	920	858	791	676	556	323	49	6	5
25.5°	1130	1103	1062	996	917	788	634	378	71	7	5
22.5°	1188	1160	1116	1051	958	826	662	407	92	7	5
19.5°	1222	1192	1143	1079	984	849	680	426	111	7	5
17°	1253	1222	1169	1101	1001	864	689	434	125	7	5
15°	1273	1240	1182	1111	1005	866	690	437	134	7	5
13°	1277	1243	1184	1111	1002	861	685	436	141	7	5
11°	1278	1244	1182	1106	993	852	677	433	147	7	5
9°	1271	1239	1175	1096	980	840	667	428	151	8	5
7°	1260	1230	1164	1082	965	826	653	421	155	8	5
5°	1248	1217	1150	1066	944	806	637	413	155	8	5
3°	1235	1203	1131	1047	922	786	621	403	155	8	5
1°	1222	1189	1115	1027	900	765	605	394	153	8	5
0°	1214	1180	1103	1015	888	754	596	389	151	8	5
-1°	1204	1170	1091	1003	875	742	586	384	149	8	5
-3°	1181	1145	1064	974	847	716	568	374	144	9	5
-5°	1157	1114	1034	942	816	690	549	363	139	9	5
-7°	1129	1084	1000	909	785	665	531	352	133	9	5
-9°	1095	1047	962	872	753	638	512	339	126	10	5
-11°	1058	1006	922	834	722	613	492	326	119	10	5
-13°	1015	961	878	793	690	586	469	310	112	10	5
-15°	969	914	835	756	658	557	447	294	106	10	5
-17°	918	865	792	718	624	529	425	276	98	10	5
-19.5°	851	801	734	667	583	492	394	254	89	10	5
-22.5°	772	725	669	607	533	449	361	227	77	10	5
-25.5°	698	654	608	551	486	411	332	202	65	10	5
-29°	623	580	545	493	440	370	298	174	53	10	5
-33°	525	492	465	425	382	321	259	142	39	10	5
-37.5°	431	409	385	352	313	262	208	107	27	10	5
-42.5°	339	324	299	271	234	190	149	74	22	9	5
-47.5°	236	221	203	180	150	123	98	47	20	9	5
-55°	89	85	81	76	72	66	56	32	17	9	5
-65°	48	46	45	42	39	35	29	20	13	8	5
-75°	28	27	26	25	23	21	18	14	10	7	5
-85°	18	17	17	16	15	14	13	11	9	7	5
-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)