

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P622127

Luminaire Tested: **IFLD-S-SA6C-727-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622127
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-727-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

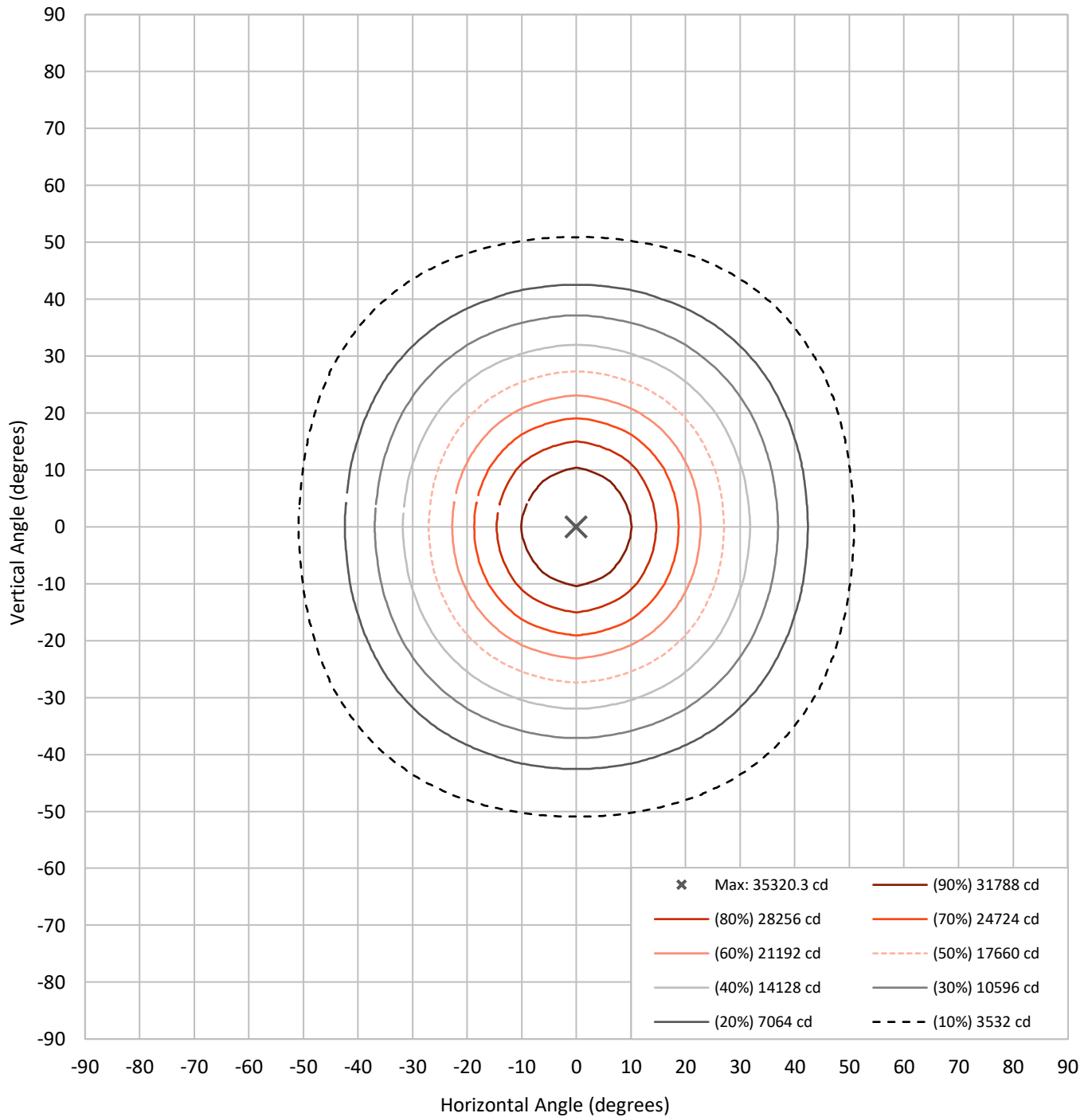
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36633 lumens	Max Intensity:	35320.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	17613.2 lumens	Field Lumens:	32149 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	321.5		
Input Voltage (V):	120		
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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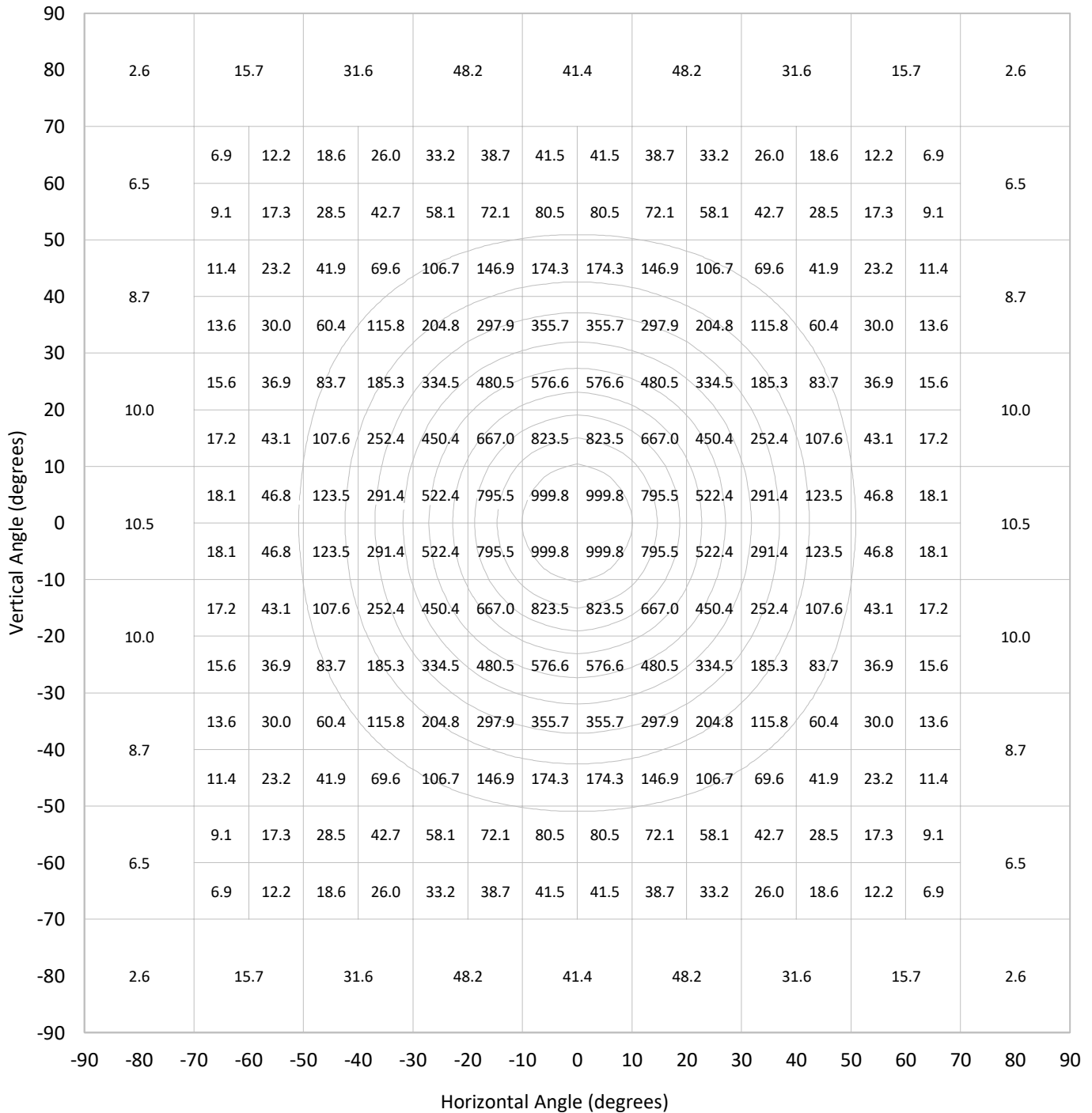
Iso-Candela Plot





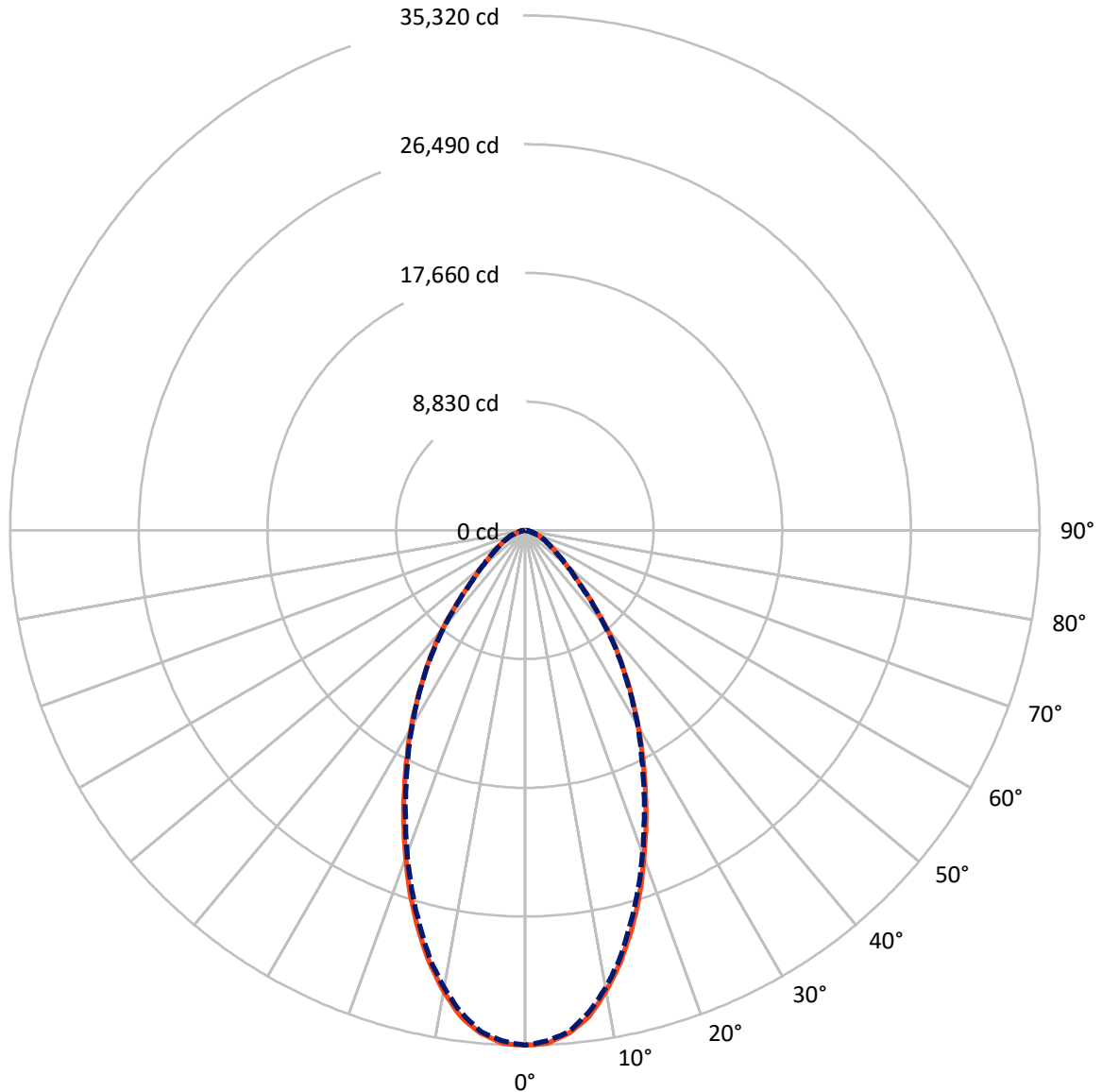
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Lumen Table



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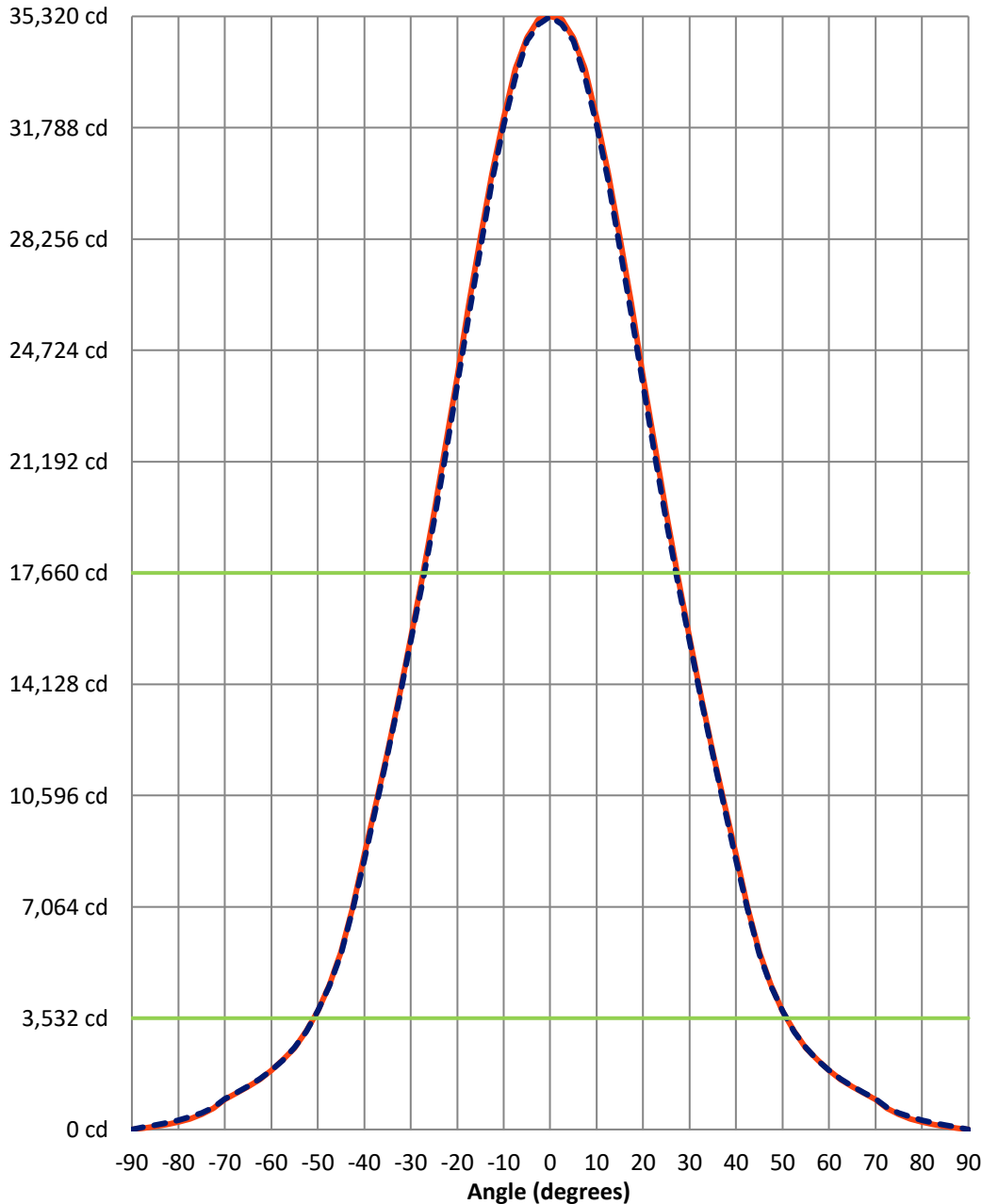
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 54.2°
V Angle: 54.7°
Lumens: 17613.2
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 32149
Efficiency: 87.8%

Spill:
Lumens: 4483.9
Efficiency: 12.2%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	4	8	15	23	30	38	45	49	53	60
85°	0	8	15	26	41	60	79	90	98	109	117
82.5°	0	11	26	41	64	87	117	132	147	162	173
80°	0	15	34	57	83	117	154	173	192	211	226
77.5°	0	19	41	68	105	143	188	215	237	260	282
75°	0	23	49	83	124	166	218	252	282	312	346
72.5°	0	26	57	94	139	188	248	290	324	365	410
70°	0	30	64	109	154	211	279	324	365	414	452
67.5°	0	34	72	117	169	230	301	358	403	448	489
65°	0	34	79	124	181	248	320	388	437	482	531
62.5°	0	38	87	132	192	263	339	414	467	516	572
60°	0	41	90	139	207	279	361	440	493	553	613
57.5°	0	45	94	147	215	290	376	463	527	591	655
55°	0	49	102	154	222	305	391	486	557	625	696
52.5°	0	49	105	158	233	316	407	501	587	662	745
50°	0	53	109	162	241	327	418	519	617	700	787
47.5°	0	57	113	166	245	335	433	538	651	738	832
45°	0	57	117	169	252	346	444	550	674	775	873
42.5°	0	60	117	173	256	354	455	568	693	813	918
40°	0	64	120	181	263	358	467	583	715	851	960
37.5°	0	64	124	184	267	365	474	598	738	877	997
35°	0	68	128	188	271	369	478	613	757	903	1039
32.5°	0	68	128	196	275	376	486	625	779	933	1076
30°	0	68	132	200	275	376	497	636	798	964	1114
27.5°	0	72	132	200	282	380	504	651	817	997	1152
25°	0	72	136	203	286	380	508	662	839	1027	1186
22.5°	0	72	136	207	290	384	512	674	862	1054	1223
20°	0	75	139	211	294	388	516	685	884	1076	1253
17.5°	0	75	139	211	297	395	519	693	903	1099	1280
15°	0	79	139	211	297	399	527	696	922	1118	1306
12.5°	0	79	139	215	297	399	531	704	941	1137	1325
10°	0	75	143	215	297	403	534	708	952	1148	1344
7.5°	0	75	143	215	301	403	534	708	964	1159	1355
5°	0	75	139	215	297	407	534	711	979	1170	1366
2.5°	0	75	139	211	297	407	527	704	975	1170	1374
0°	0	75	139	211	294	403	523	696	971	1167	1374
-2.5°	0	75	139	211	297	407	527	704	975	1170	1374
-5°	0	75	139	215	297	407	534	711	979	1170	1366
-7.5°	0	75	143	215	301	403	534	708	964	1159	1355
-10°	0	75	143	215	297	403	534	708	952	1148	1344
-12.5°	0	79	139	215	297	399	531	704	941	1137	1325
-15°	0	79	139	211	297	399	527	696	922	1118	1306
-17.5°	0	75	139	211	297	395	519	693	903	1099	1280
-20°	0	75	139	211	294	388	516	685	884	1076	1253



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	72	136	207	290	384	512	674	862	1054	1223
-25°	0	72	136	203	286	380	508	662	839	1027	1186
-27.5°	0	72	132	200	282	380	504	651	817	997	1152
-30°	0	68	132	200	275	376	497	636	798	964	1114
-32.5°	0	68	128	196	275	376	486	625	779	933	1076
-35°	0	68	128	188	271	369	478	613	757	903	1039
-37.5°	0	64	124	184	267	365	474	598	738	877	997
-40°	0	64	120	181	263	358	467	583	715	851	960
-42.5°	0	60	117	173	256	354	455	568	693	813	918
-45°	0	57	117	169	252	346	444	550	674	775	873
-47.5°	0	57	113	166	245	335	433	538	651	738	832
-50°	0	53	109	162	241	327	418	519	617	700	787
-52.5°	0	49	105	158	233	316	407	501	587	662	745
-55°	0	49	102	154	222	305	391	486	557	625	696
-57.5°	0	45	94	147	215	290	376	463	527	591	655
-60°	0	41	90	139	207	279	361	440	493	553	613
-62.5°	0	38	87	132	192	263	339	414	467	516	572
-65°	0	34	79	124	181	248	320	388	437	482	531
-67.5°	0	34	72	117	169	230	301	358	403	448	489
-70°	0	30	64	109	154	211	279	324	365	414	452
-72.5°	0	26	57	94	139	188	248	290	324	365	410
-75°	0	23	49	83	124	166	218	252	282	312	346
-77.5°	0	19	41	68	105	143	188	215	237	260	282
-80°	0	15	34	57	83	117	154	173	192	211	226
-82.5°	0	11	26	41	64	87	117	132	147	162	173
-85°	0	8	15	26	41	60	79	90	98	109	117
-87.5°	0	4	8	15	23	30	38	45	49	53	60
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	64	68	72	72	72	68	64	60	68	75	83
85°	124	136	139	147	143	136	132	124	139	154	173
82.5°	184	196	203	211	211	203	196	184	207	230	256
80°	241	256	271	282	282	271	260	245	271	305	339
77.5°	309	327	343	358	354	350	343	335	361	395	429
75°	376	403	414	429	437	433	433	440	470	512	550
72.5°	437	455	478	504	516	523	542	565	595	629	659
70°	486	508	538	565	587	610	636	666	696	730	760
67.5°	531	565	595	629	659	693	726	760	794	832	869
65°	580	617	655	693	734	775	817	854	896	945	986
62.5°	629	670	715	760	809	858	907	956	1012	1065	1118
60°	674	726	779	836	892	948	1001	1065	1133	1193	1261
57.5°	719	783	843	907	971	1035	1110	1182	1261	1340	1415
55°	768	843	911	982	1054	1137	1219	1310	1396	1498	1592
52.5°	820	900	979	1058	1148	1238	1336	1441	1554	1671	1788
50°	873	960	1046	1140	1242	1347	1464	1588	1724	1859	2002
47.5°	922	1016	1122	1223	1340	1464	1600	1750	1901	2070	2251
45°	975	1076	1189	1314	1441	1588	1750	1916	2108	2300	2510
42.5°	1027	1137	1265	1396	1554	1720	1897	2108	2322	2559	2815
40°	1073	1197	1340	1498	1667	1852	2070	2300	2563	2845	3161
37.5°	1125	1261	1415	1588	1784	1998	2251	2518	2823	3165	3545
35°	1174	1325	1494	1682	1901	2149	2431	2744	3097	3511	3974
32.5°	1223	1389	1569	1776	2017	2300	2619	2988	3406	3880	4460
30°	1272	1445	1641	1867	2138	2458	2826	3237	3718	4317	5005
27.5°	1317	1505	1716	1965	2254	2604	3022	3511	4080	4753	5559
25°	1362	1558	1788	2055	2379	2762	3218	3756	4437	5235	6191
22.5°	1404	1611	1852	2141	2491	2917	3429	4042	4791	5679	6804
20°	1445	1664	1919	2224	2589	3056	3621	4305	5156	6202	7452
17.5°	1479	1712	1983	2311	2710	3199	3797	4569	5487	6684	8076
15°	1513	1754	2040	2386	2815	3342	3989	4798	5837	7139	8618
12.5°	1539	1788	2089	2454	2905	3462	4155	5032	6176	7568	9089
10°	1558	1818	2126	2507	2981	3560	4290	5220	6451	7918	9480
7.5°	1577	1840	2157	2548	3037	3636	4396	5367	6661	8189	9781
5°	1592	1859	2179	2578	3075	3692	4475	5461	6812	8381	9996
2.5°	1603	1874	2198	2604	3105	3752	4546	5562	6955	8543	10188
0°	1603	1878	2198	2604	3101	3764	4558	5570	6974	8539	10214
-2.5°	1603	1874	2198	2604	3105	3752	4546	5562	6955	8543	10188
-5°	1592	1859	2179	2578	3075	3692	4475	5461	6812	8381	9996
-7.5°	1577	1840	2157	2548	3037	3636	4396	5367	6661	8189	9781
-10°	1558	1818	2126	2507	2981	3560	4290	5220	6451	7918	9480
-12.5°	1539	1788	2089	2454	2905	3462	4155	5032	6176	7568	9089
-15°	1513	1754	2040	2386	2815	3342	3989	4798	5837	7139	8618
-17.5°	1479	1712	1983	2311	2710	3199	3797	4569	5487	6684	8076
-20°	1445	1664	1919	2224	2589	3056	3621	4305	5156	6202	7452



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1404	1611	1852	2141	2491	2917	3429	4042	4791	5679	6804
-25°	1362	1558	1788	2055	2379	2762	3218	3756	4437	5235	6191
-27.5°	1317	1505	1716	1965	2254	2604	3022	3511	4080	4753	5559
-30°	1272	1445	1641	1867	2138	2458	2826	3237	3718	4317	5005
-32.5°	1223	1389	1569	1776	2017	2300	2619	2988	3406	3880	4460
-35°	1174	1325	1494	1682	1901	2149	2431	2744	3097	3511	3974
-37.5°	1125	1261	1415	1588	1784	1998	2251	2518	2823	3165	3545
-40°	1073	1197	1340	1498	1667	1852	2070	2300	2563	2845	3161
-42.5°	1027	1137	1265	1396	1554	1720	1897	2108	2322	2559	2815
-45°	975	1076	1189	1314	1441	1588	1750	1916	2108	2300	2510
-47.5°	922	1016	1122	1223	1340	1464	1600	1750	1901	2070	2251
-50°	873	960	1046	1140	1242	1347	1464	1588	1724	1859	2002
-52.5°	820	900	979	1058	1148	1238	1336	1441	1554	1671	1788
-55°	768	843	911	982	1054	1137	1219	1310	1396	1498	1592
-57.5°	719	783	843	907	971	1035	1110	1182	1261	1340	1415
-60°	674	726	779	836	892	948	1001	1065	1133	1193	1261
-62.5°	629	670	715	760	809	858	907	956	1012	1065	1118
-65°	580	617	655	693	734	775	817	854	896	945	986
-67.5°	531	565	595	629	659	693	726	760	794	832	869
-70°	486	508	538	565	587	610	636	666	696	730	760
-72.5°	437	455	478	504	516	523	542	565	595	629	659
-75°	376	403	414	429	437	433	433	440	470	512	550
-77.5°	309	327	343	358	354	350	343	335	361	395	429
-80°	241	256	271	282	282	271	260	245	271	305	339
-82.5°	184	196	203	211	211	203	196	184	207	230	256
-85°	124	136	139	147	143	136	132	124	139	154	173
-87.5°	64	68	72	72	72	68	64	60	68	75	83
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	94	94	94	94	90	94	94	98	102	90	79
85°	188	192	192	192	192	192	192	192	192	173	154
82.5°	282	294	301	312	320	320	316	312	305	275	241
80°	373	391	403	414	425	422	418	410	407	369	331
77.5°	463	486	501	512	523	527	523	523	519	486	444
75°	580	598	613	629	644	651	655	655	655	625	587
72.5°	685	708	730	753	772	783	794	802	809	794	772
70°	794	820	847	873	900	918	933	948	956	960	960
67.5°	907	941	975	1009	1039	1065	1084	1103	1118	1133	1140
65°	1031	1076	1118	1155	1189	1223	1250	1276	1298	1317	1329
62.5°	1170	1223	1272	1321	1359	1400	1441	1479	1509	1536	1554
60°	1325	1389	1449	1509	1569	1618	1671	1716	1754	1788	1818
57.5°	1498	1577	1652	1731	1799	1863	1927	1991	2047	2093	2130
55°	1690	1788	1886	1980	2074	2160	2243	2326	2401	2461	2514
52.5°	1912	2029	2153	2269	2397	2510	2616	2729	2830	2921	2996
50°	2149	2300	2461	2612	2777	2936	3079	3222	3365	3489	3590
47.5°	2427	2608	2819	3026	3229	3444	3643	3831	4027	4193	4332
45°	2729	2981	3229	3508	3764	4053	4328	4603	4844	5085	5288
42.5°	3086	3402	3718	4076	4426	4791	5179	5525	5886	6240	6533
40°	3511	3884	4321	4750	5235	5694	6244	6729	7188	7636	8016
37.5°	3978	4471	5009	5555	6214	6861	7504	8114	8660	9160	9559
35°	4516	5137	5777	6571	7354	8144	8882	9574	10195	10703	11125
32.5°	5133	5867	6752	7674	8581	9458	10338	11023	11671	12250	12747
30°	5788	6744	7775	8807	9796	10749	11637	12461	13214	13865	14422
27.5°	6556	7662	8810	9917	10978	12006	13014	13955	14779	15464	16157
25°	7316	8585	9811	10982	12130	13278	14388	15445	16409	17248	17997
22.5°	8118	9443	10737	11979	13281	14531	15746	16951	18057	19024	19867
20°	8859	10282	11603	12988	14399	15754	17120	18422	19657	20823	21783
17.5°	9522	10971	12412	13872	15412	16947	18430	19841	21249	22607	23804
15°	10113	11633	13112	14704	16364	18016	19668	21222	22807	24312	25652
12.5°	10636	12205	13778	15472	17207	18927	20737	22543	24301	25923	27376
10°	11068	12698	14384	16138	17941	19758	21708	23714	25595	27319	28900
7.5°	11396	13071	14832	16653	18554	20500	22536	24579	26570	28422	30078
5°	11629	13319	15129	16988	18968	21000	23172	25351	27383	29299	30992
2.5°	11840	13541	15385	17173	19190	21298	23473	25731	27808	29777	31662
0°	11896	13631	15494	17331	19292	21407	23623	25829	27959	30097	31869
-2.5°	11840	13541	15385	17173	19190	21298	23473	25731	27808	29777	31662
-5°	11629	13319	15129	16988	18968	21000	23172	25351	27383	29299	30992
-7.5°	11396	13071	14832	16653	18554	20500	22536	24579	26570	28422	30078
-10°	11068	12698	14384	16138	17941	19758	21708	23714	25595	27319	28900
-12.5°	10636	12205	13778	15472	17207	18927	20737	22543	24301	25923	27376
-15°	10113	11633	13112	14704	16364	18016	19668	21222	22807	24312	25652
-17.5°	9522	10971	12412	13872	15412	16947	18430	19841	21249	22607	23804
-20°	8859	10282	11603	12988	14399	15754	17120	18422	19657	20823	21783



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8118	9443	10737	11979	13281	14531	15746	16951	18057	19024	19867
-25°	7316	8585	9811	10982	12130	13278	14388	15445	16409	17248	17997
-27.5°	6556	7662	8810	9917	10978	12006	13014	13955	14779	15464	16157
-30°	5788	6744	7775	8807	9796	10749	11637	12461	13214	13865	14422
-32.5°	5133	5867	6752	7674	8581	9458	10338	11023	11671	12250	12747
-35°	4516	5137	5777	6571	7354	8144	8882	9574	10195	10703	11125
-37.5°	3978	4471	5009	5555	6214	6861	7504	8114	8660	9160	9559
-40°	3511	3884	4321	4750	5235	5694	6244	6729	7188	7636	8016
-42.5°	3086	3402	3718	4076	4426	4791	5179	5525	5886	6240	6533
-45°	2729	2981	3229	3508	3764	4053	4328	4603	4844	5085	5288
-47.5°	2427	2608	2819	3026	3229	3444	3643	3831	4027	4193	4332
-50°	2149	2300	2461	2612	2777	2936	3079	3222	3365	3489	3590
-52.5°	1912	2029	2153	2269	2397	2510	2616	2729	2830	2921	2996
-55°	1690	1788	1886	1980	2074	2160	2243	2326	2401	2461	2514
-57.5°	1498	1577	1652	1731	1799	1863	1927	1991	2047	2093	2130
-60°	1325	1389	1449	1509	1569	1618	1671	1716	1754	1788	1818
-62.5°	1170	1223	1272	1321	1359	1400	1441	1479	1509	1536	1554
-65°	1031	1076	1118	1155	1189	1223	1250	1276	1298	1317	1329
-67.5°	907	941	975	1009	1039	1065	1084	1103	1118	1133	1140
-70°	794	820	847	873	900	918	933	948	956	960	960
-72.5°	685	708	730	753	772	783	794	802	809	794	772
-75°	580	598	613	629	644	651	655	655	655	625	587
-77.5°	463	486	501	512	523	527	523	523	519	486	444
-80°	373	391	403	414	425	422	418	410	407	369	331
-82.5°	282	294	301	312	320	320	316	312	305	275	241
-85°	188	192	192	192	192	192	192	192	192	173	154
-87.5°	94	94	94	94	90	94	94	98	102	90	79
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	64	53	49	41	49	53	64	79	90	102	98
85°	132	109	105	98	105	109	132	154	173	192	192
82.5°	211	173	166	158	166	173	211	241	275	305	312
80°	297	252	245	237	245	252	297	331	369	407	410
77.5°	403	361	346	335	346	361	403	444	486	519	523
75°	546	504	493	482	493	504	546	587	625	655	655
72.5°	745	726	696	670	696	726	745	772	794	809	802
70°	964	971	964	952	964	971	964	960	960	956	948
67.5°	1144	1152	1152	1155	1152	1152	1144	1140	1133	1118	1103
65°	1340	1344	1355	1359	1355	1344	1340	1329	1317	1298	1276
62.5°	1566	1577	1584	1584	1584	1577	1566	1554	1536	1509	1479
60°	1837	1852	1871	1874	1871	1852	1837	1818	1788	1754	1716
57.5°	2160	2179	2205	2213	2205	2179	2160	2130	2093	2047	1991
55°	2552	2578	2593	2586	2593	2578	2552	2514	2461	2401	2326
52.5°	3060	3105	3135	3120	3135	3105	3060	2996	2921	2830	2729
50°	3673	3730	3767	3756	3767	3730	3673	3590	3489	3365	3222
47.5°	4441	4520	4584	4588	4584	4520	4441	4332	4193	4027	3831
45°	5450	5566	5653	5638	5653	5566	5450	5288	5085	4844	4603
42.5°	6759	6921	7049	7038	7049	6921	6759	6533	6240	5886	5525
40°	8299	8498	8667	8713	8667	8498	8299	8016	7636	7188	6729
37.5°	9883	10139	10353	10331	10353	10139	9883	9559	9160	8660	8114
35°	11475	11742	11953	11972	11953	11742	11475	11125	10703	10195	9574
32.5°	13142	13439	13688	13722	13688	13439	13142	12747	12250	11671	11023
30°	14881	15238	15536	15596	15536	15238	14881	14422	13865	13214	12461
27.5°	16710	17135	17417	17527	17417	17135	16710	16157	15464	14779	13955
25°	18595	19058	19374	19551	19374	19058	18595	17997	17248	16409	15445
22.5°	20564	21113	21523	21719	21523	21113	20564	19867	19024	18057	16951
20°	22596	23194	23672	23876	23672	23194	22596	21783	20823	19657	18422
17.5°	24666	25396	25927	26186	25927	25396	24666	23804	22607	21249	19841
15°	26676	27451	28027	28305	28027	27451	26676	25652	24312	22807	21222
12.5°	28539	29359	29935	30337	29935	29359	28539	27376	25923	24301	22543
10°	30202	31098	31681	32099	31681	31098	30202	28900	27319	25595	23714
7.5°	31448	32581	33239	33649	33239	32581	31448	30078	28422	26570	24579
5°	32404	33653	34252	34639	34252	33653	32404	30992	29299	27383	25351
2.5°	33104	34090	34839	35226	34839	34090	33104	31662	29777	27808	25731
0°	33378	34538	35068	35320	35068	34538	33378	31869	30097	27959	25829
-2.5°	33104	34090	34839	35226	34839	34090	33104	31662	29777	27808	25731
-5°	32404	33653	34252	34639	34252	33653	32404	30992	29299	27383	25351
-7.5°	31448	32581	33239	33649	33239	32581	31448	30078	28422	26570	24579
-10°	30202	31098	31681	32099	31681	31098	30202	28900	27319	25595	23714
-12.5°	28539	29359	29935	30337	29935	29359	28539	27376	25923	24301	22543
-15°	26676	27451	28027	28305	28027	27451	26676	25652	24312	22807	21222
-17.5°	24666	25396	25927	26186	25927	25396	24666	23804	22607	21249	19841
-20°	22596	23194	23672	23876	23672	23194	22596	21783	20823	19657	18422



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20564	21113	21523	21719	21523	21113	20564	19867	19024	18057	16951
-25°	18595	19058	19374	19551	19374	19058	18595	17997	17248	16409	15445
-27.5°	16710	17135	17417	17527	17417	17135	16710	16157	15464	14779	13955
-30°	14881	15238	15536	15596	15536	15238	14881	14422	13865	13214	12461
-32.5°	13142	13439	13688	13722	13688	13439	13142	12747	12250	11671	11023
-35°	11475	11742	11953	11972	11953	11742	11475	11125	10703	10195	9574
-37.5°	9883	10139	10353	10331	10353	10139	9883	9559	9160	8660	8114
-40°	8299	8498	8667	8713	8667	8498	8299	8016	7636	7188	6729
-42.5°	6759	6921	7049	7038	7049	6921	6759	6533	6240	5886	5525
-45°	5450	5566	5653	5638	5653	5566	5450	5288	5085	4844	4603
-47.5°	4441	4520	4584	4588	4584	4520	4441	4332	4193	4027	3831
-50°	3673	3730	3767	3756	3767	3730	3673	3590	3489	3365	3222
-52.5°	3060	3105	3135	3120	3135	3105	3060	2996	2921	2830	2729
-55°	2552	2578	2593	2586	2593	2578	2552	2514	2461	2401	2326
-57.5°	2160	2179	2205	2213	2205	2179	2160	2130	2093	2047	1991
-60°	1837	1852	1871	1874	1871	1852	1837	1818	1788	1754	1716
-62.5°	1566	1577	1584	1584	1584	1577	1566	1554	1536	1509	1479
-65°	1340	1344	1355	1359	1355	1344	1340	1329	1317	1298	1276
-67.5°	1144	1152	1152	1155	1152	1152	1144	1140	1133	1118	1103
-70°	964	971	964	952	964	971	964	960	960	956	948
-72.5°	745	726	696	670	696	726	745	772	794	809	802
-75°	546	504	493	482	493	504	546	587	625	655	655
-77.5°	403	361	346	335	346	361	403	444	486	519	523
-80°	297	252	245	237	245	252	297	331	369	407	410
-82.5°	211	173	166	158	166	173	211	241	275	305	312
-85°	132	109	105	98	105	109	132	154	173	192	192
-87.5°	64	53	49	41	49	53	64	79	90	102	98
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	94	94	90	94	94	94	94	83	75	68	60
85°	192	192	192	192	192	192	188	173	154	139	124
82.5°	316	320	320	312	301	294	282	256	230	207	184
80°	418	422	425	414	403	391	373	339	305	271	245
77.5°	523	527	523	512	501	486	463	429	395	361	335
75°	655	651	644	629	613	598	580	550	512	470	440
72.5°	794	783	772	753	730	708	685	659	629	595	565
70°	933	918	900	873	847	820	794	760	730	696	666
67.5°	1084	1065	1039	1009	975	941	907	869	832	794	760
65°	1250	1223	1189	1155	1118	1076	1031	986	945	896	854
62.5°	1441	1400	1359	1321	1272	1223	1170	1118	1065	1012	956
60°	1671	1618	1569	1509	1449	1389	1325	1261	1193	1133	1065
57.5°	1927	1863	1799	1731	1652	1577	1498	1415	1340	1261	1182
55°	2243	2160	2074	1980	1886	1788	1690	1592	1498	1396	1310
52.5°	2616	2510	2397	2269	2153	2029	1912	1788	1671	1554	1441
50°	3079	2936	2777	2612	2461	2300	2149	2002	1859	1724	1588
47.5°	3643	3444	3229	3026	2819	2608	2427	2251	2070	1901	1750
45°	4328	4053	3764	3508	3229	2981	2729	2510	2300	2108	1916
42.5°	5179	4791	4426	4076	3718	3402	3086	2815	2559	2322	2108
40°	6244	5694	5235	4750	4321	3884	3511	3161	2845	2563	2300
37.5°	7504	6861	6214	5555	5009	4471	3978	3545	3165	2823	2518
35°	8882	8144	7354	6571	5777	5137	4516	3974	3511	3097	2744
32.5°	10338	9458	8581	7674	6752	5867	5133	4460	3880	3406	2988
30°	11637	10749	9796	8807	7775	6744	5788	5005	4317	3718	3237
27.5°	13014	12006	10978	9917	8810	7662	6556	5559	4753	4080	3511
25°	14388	13278	12130	10982	9811	8585	7316	6191	5235	4437	3756
22.5°	15746	14531	13281	11979	10737	9443	8118	6804	5679	4791	4042
20°	17120	15754	14399	12988	11603	10282	8859	7452	6202	5156	4305
17.5°	18430	16947	15412	13872	12412	10971	9522	8076	6684	5487	4569
15°	19668	18016	16364	14704	13112	11633	10113	8618	7139	5837	4798
12.5°	20737	18927	17207	15472	13778	12205	10636	9089	7568	6176	5032
10°	21708	19758	17941	16138	14384	12698	11068	9480	7918	6451	5220
7.5°	22536	20500	18554	16653	14832	13071	11396	9781	8189	6661	5367
5°	23172	21000	18968	16988	15129	13319	11629	9996	8381	6812	5461
2.5°	23473	21298	19190	17173	15385	13541	11840	10188	8543	6955	5562
0°	23623	21407	19292	17331	15494	13631	11896	10214	8539	6974	5570
-2.5°	23473	21298	19190	17173	15385	13541	11840	10188	8543	6955	5562
-5°	23172	21000	18968	16988	15129	13319	11629	9996	8381	6812	5461
-7.5°	22536	20500	18554	16653	14832	13071	11396	9781	8189	6661	5367
-10°	21708	19758	17941	16138	14384	12698	11068	9480	7918	6451	5220
-12.5°	20737	18927	17207	15472	13778	12205	10636	9089	7568	6176	5032
-15°	19668	18016	16364	14704	13112	11633	10113	8618	7139	5837	4798
-17.5°	18430	16947	15412	13872	12412	10971	9522	8076	6684	5487	4569
-20°	17120	15754	14399	12988	11603	10282	8859	7452	6202	5156	4305



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15746	14531	13281	11979	10737	9443	8118	6804	5679	4791	4042
-25°	14388	13278	12130	10982	9811	8585	7316	6191	5235	4437	3756
-27.5°	13014	12006	10978	9917	8810	7662	6556	5559	4753	4080	3511
-30°	11637	10749	9796	8807	7775	6744	5788	5005	4317	3718	3237
-32.5°	10338	9458	8581	7674	6752	5867	5133	4460	3880	3406	2988
-35°	8882	8144	7354	6571	5777	5137	4516	3974	3511	3097	2744
-37.5°	7504	6861	6214	5555	5009	4471	3978	3545	3165	2823	2518
-40°	6244	5694	5235	4750	4321	3884	3511	3161	2845	2563	2300
-42.5°	5179	4791	4426	4076	3718	3402	3086	2815	2559	2322	2108
-45°	4328	4053	3764	3508	3229	2981	2729	2510	2300	2108	1916
-47.5°	3643	3444	3229	3026	2819	2608	2427	2251	2070	1901	1750
-50°	3079	2936	2777	2612	2461	2300	2149	2002	1859	1724	1588
-52.5°	2616	2510	2397	2269	2153	2029	1912	1788	1671	1554	1441
-55°	2243	2160	2074	1980	1886	1788	1690	1592	1498	1396	1310
-57.5°	1927	1863	1799	1731	1652	1577	1498	1415	1340	1261	1182
-60°	1671	1618	1569	1509	1449	1389	1325	1261	1193	1133	1065
-62.5°	1441	1400	1359	1321	1272	1223	1170	1118	1065	1012	956
-65°	1250	1223	1189	1155	1118	1076	1031	986	945	896	854
-67.5°	1084	1065	1039	1009	975	941	907	869	832	794	760
-70°	933	918	900	873	847	820	794	760	730	696	666
-72.5°	794	783	772	753	730	708	685	659	629	595	565
-75°	655	651	644	629	613	598	580	550	512	470	440
-77.5°	523	527	523	512	501	486	463	429	395	361	335
-80°	418	422	425	414	403	391	373	339	305	271	245
-82.5°	316	320	320	312	301	294	282	256	230	207	184
-85°	192	192	192	192	192	192	188	173	154	139	124
-87.5°	94	94	90	94	94	94	94	83	75	68	60
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	64	68	72	72	72	68	64	60	53	49	45
85°	132	136	143	147	139	136	124	117	109	98	90
82.5°	196	203	211	211	203	196	184	173	162	147	132
80°	260	271	282	282	271	256	241	226	211	192	173
77.5°	343	350	354	358	343	327	309	282	260	237	215
75°	433	433	437	429	414	403	376	346	312	282	252
72.5°	542	523	516	504	478	455	437	410	365	324	290
70°	636	610	587	565	538	508	486	452	414	365	324
67.5°	726	693	659	629	595	565	531	489	448	403	358
65°	817	775	734	693	655	617	580	531	482	437	388
62.5°	907	858	809	760	715	670	629	572	516	467	414
60°	1001	948	892	836	779	726	674	613	553	493	440
57.5°	1110	1035	971	907	843	783	719	655	591	527	463
55°	1219	1137	1054	982	911	843	768	696	625	557	486
52.5°	1336	1238	1148	1058	979	900	820	745	662	587	501
50°	1464	1347	1242	1140	1046	960	873	787	700	617	519
47.5°	1600	1464	1340	1223	1122	1016	922	832	738	651	538
45°	1750	1588	1441	1314	1189	1076	975	873	775	674	550
42.5°	1897	1720	1554	1396	1265	1137	1027	918	813	693	568
40°	2070	1852	1667	1498	1340	1197	1073	960	851	715	583
37.5°	2251	1998	1784	1588	1415	1261	1125	997	877	738	598
35°	2431	2149	1901	1682	1494	1325	1174	1039	903	757	613
32.5°	2619	2300	2017	1776	1569	1389	1223	1076	933	779	625
30°	2826	2458	2138	1867	1641	1445	1272	1114	964	798	636
27.5°	3022	2604	2254	1965	1716	1505	1317	1152	997	817	651
25°	3218	2762	2379	2055	1788	1558	1362	1186	1027	839	662
22.5°	3429	2917	2491	2141	1852	1611	1404	1223	1054	862	674
20°	3621	3056	2589	2224	1919	1664	1445	1253	1076	884	685
17.5°	3797	3199	2710	2311	1983	1712	1479	1280	1099	903	693
15°	3989	3342	2815	2386	2040	1754	1513	1306	1118	922	696
12.5°	4155	3462	2905	2454	2089	1788	1539	1325	1137	941	704
10°	4290	3560	2981	2507	2126	1818	1558	1344	1148	952	708
7.5°	4396	3636	3037	2548	2157	1840	1577	1355	1159	964	708
5°	4475	3692	3075	2578	2179	1859	1592	1366	1170	979	711
2.5°	4546	3752	3105	2604	2198	1874	1603	1374	1170	975	704
0°	4558	3764	3101	2604	2198	1878	1603	1374	1167	971	696
-2.5°	4546	3752	3105	2604	2198	1874	1603	1374	1170	975	704
-5°	4475	3692	3075	2578	2179	1859	1592	1366	1170	979	711
-7.5°	4396	3636	3037	2548	2157	1840	1577	1355	1159	964	708
-10°	4290	3560	2981	2507	2126	1818	1558	1344	1148	952	708
-12.5°	4155	3462	2905	2454	2089	1788	1539	1325	1137	941	704
-15°	3989	3342	2815	2386	2040	1754	1513	1306	1118	922	696
-17.5°	3797	3199	2710	2311	1983	1712	1479	1280	1099	903	693
-20°	3621	3056	2589	2224	1919	1664	1445	1253	1076	884	685



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3429	2917	2491	2141	1852	1611	1404	1223	1054	862	674
-25°	3218	2762	2379	2055	1788	1558	1362	1186	1027	839	662
-27.5°	3022	2604	2254	1965	1716	1505	1317	1152	997	817	651
-30°	2826	2458	2138	1867	1641	1445	1272	1114	964	798	636
-32.5°	2619	2300	2017	1776	1569	1389	1223	1076	933	779	625
-35°	2431	2149	1901	1682	1494	1325	1174	1039	903	757	613
-37.5°	2251	1998	1784	1588	1415	1261	1125	997	877	738	598
-40°	2070	1852	1667	1498	1340	1197	1073	960	851	715	583
-42.5°	1897	1720	1554	1396	1265	1137	1027	918	813	693	568
-45°	1750	1588	1441	1314	1189	1076	975	873	775	674	550
-47.5°	1600	1464	1340	1223	1122	1016	922	832	738	651	538
-50°	1464	1347	1242	1140	1046	960	873	787	700	617	519
-52.5°	1336	1238	1148	1058	979	900	820	745	662	587	501
-55°	1219	1137	1054	982	911	843	768	696	625	557	486
-57.5°	1110	1035	971	907	843	783	719	655	591	527	463
-60°	1001	948	892	836	779	726	674	613	553	493	440
-62.5°	907	858	809	760	715	670	629	572	516	467	414
-65°	817	775	734	693	655	617	580	531	482	437	388
-67.5°	726	693	659	629	595	565	531	489	448	403	358
-70°	636	610	587	565	538	508	486	452	414	365	324
-72.5°	542	523	516	504	478	455	437	410	365	324	290
-75°	433	433	437	429	414	403	376	346	312	282	252
-77.5°	343	350	354	358	343	327	309	282	260	237	215
-80°	260	271	282	282	271	256	241	226	211	192	173
-82.5°	196	203	211	211	203	196	184	173	162	147	132
-85°	132	136	143	147	139	136	124	117	109	98	90
-87.5°	64	68	72	72	72	68	64	60	53	49	45
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	38	30	23	15	8	4	0
85°	79	60	41	26	15	8	0
82.5°	117	87	64	41	26	11	0
80°	154	117	83	57	34	15	0
77.5°	188	143	105	68	41	19	0
75°	218	166	124	83	49	23	0
72.5°	248	188	139	94	57	26	0
70°	279	211	154	109	64	30	0
67.5°	301	230	169	117	72	34	0
65°	320	248	181	124	79	34	0
62.5°	339	263	192	132	87	38	0
60°	361	279	207	139	90	41	0
57.5°	376	290	215	147	94	45	0
55°	391	305	222	154	102	49	0
52.5°	407	316	233	158	105	49	0
50°	418	327	241	162	109	53	0
47.5°	433	335	245	166	113	57	0
45°	444	346	252	169	117	57	0
42.5°	455	354	256	173	117	60	0
40°	467	358	263	181	120	64	0
37.5°	474	365	267	184	124	64	0
35°	478	369	271	188	128	68	0
32.5°	486	376	275	196	128	68	0
30°	497	376	275	200	132	68	0
27.5°	504	380	282	200	132	72	0
25°	508	380	286	203	136	72	0
22.5°	512	384	290	207	136	72	0
20°	516	388	294	211	139	75	0
17.5°	519	395	297	211	139	75	0
15°	527	399	297	211	139	79	0
12.5°	531	399	297	215	139	79	0
10°	534	403	297	215	143	75	0
7.5°	534	403	301	215	143	75	0
5°	534	407	297	215	139	75	0
2.5°	527	407	297	211	139	75	0
0°	523	403	294	211	139	75	0
-2.5°	527	407	297	211	139	75	0
-5°	534	407	297	215	139	75	0
-7.5°	534	403	301	215	143	75	0
-10°	534	403	297	215	143	75	0
-12.5°	531	399	297	215	139	79	0
-15°	527	399	297	211	139	79	0
-17.5°	519	395	297	211	139	75	0
-20°	516	388	294	211	139	75	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	512	384	290	207	136	72	0
-25°	508	380	286	203	136	72	0
-27.5°	504	380	282	200	132	72	0
-30°	497	376	275	200	132	68	0
-32.5°	486	376	275	196	128	68	0
-35°	478	369	271	188	128	68	0
-37.5°	474	365	267	184	124	64	0
-40°	467	358	263	181	120	64	0
-42.5°	455	354	256	173	117	60	0
-45°	444	346	252	169	117	57	0
-47.5°	433	335	245	166	113	57	0
-50°	418	327	241	162	109	53	0
-52.5°	407	316	233	158	105	49	0
-55°	391	305	222	154	102	49	0
-57.5°	376	290	215	147	94	45	0
-60°	361	279	207	139	90	41	0
-62.5°	339	263	192	132	87	38	0
-65°	320	248	181	124	79	34	0
-67.5°	301	230	169	117	72	34	0
-70°	279	211	154	109	64	30	0
-72.5°	248	188	139	94	57	26	0
-75°	218	166	124	83	49	23	0
-77.5°	188	143	105	68	41	19	0
-80°	154	117	83	57	34	15	0
-82.5°	117	87	64	41	26	11	0
-85°	79	60	41	26	15	8	0
-87.5°	38	30	23	15	8	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)