

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: P622113

Luminaire Tested: **IFLD-L-SA8C-722-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622113
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

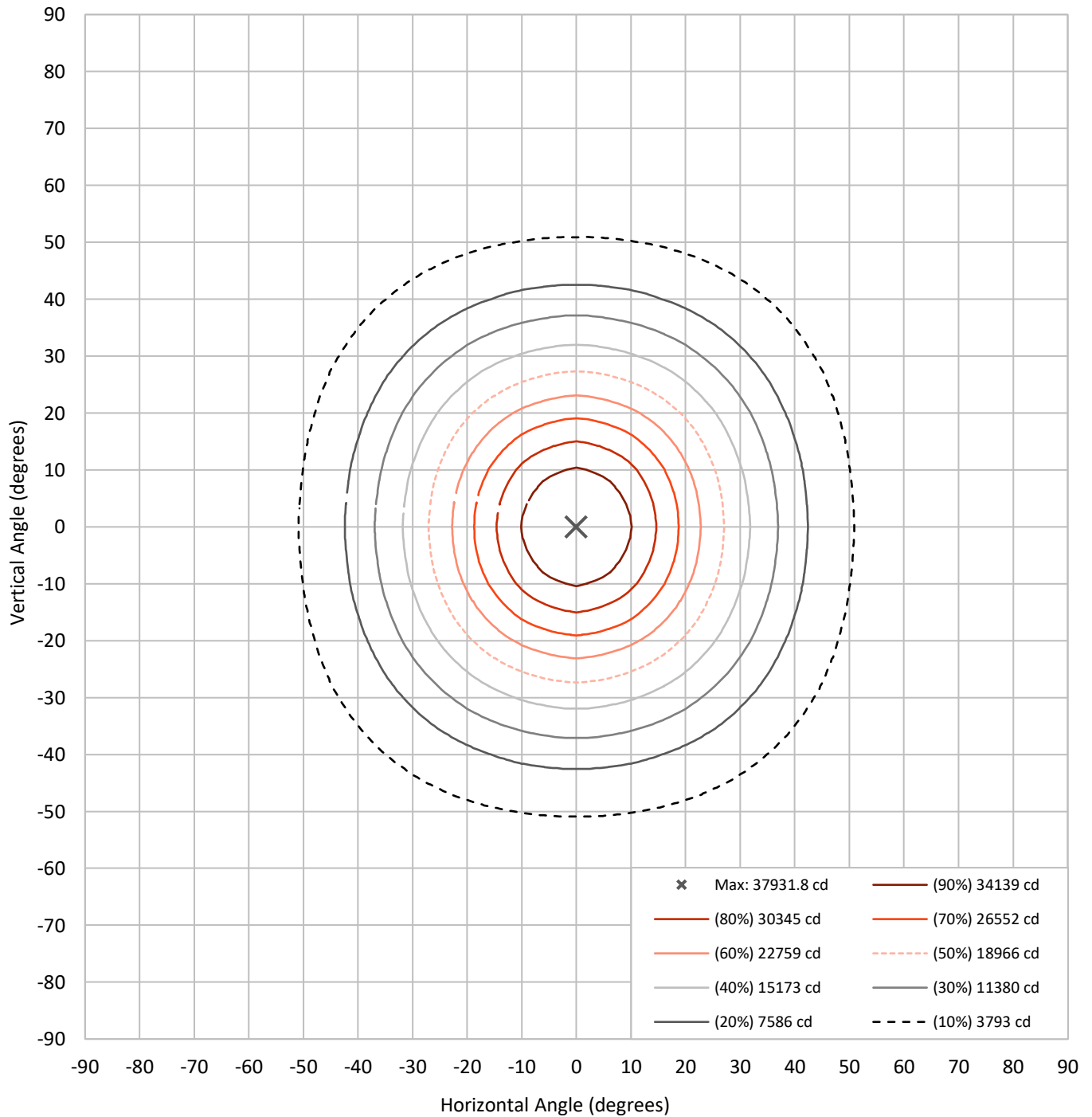
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	39341.5 lumens	Max Intensity:	37931.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' 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:	18915.5 lumens	Field Lumens:	34526 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	420.3		
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





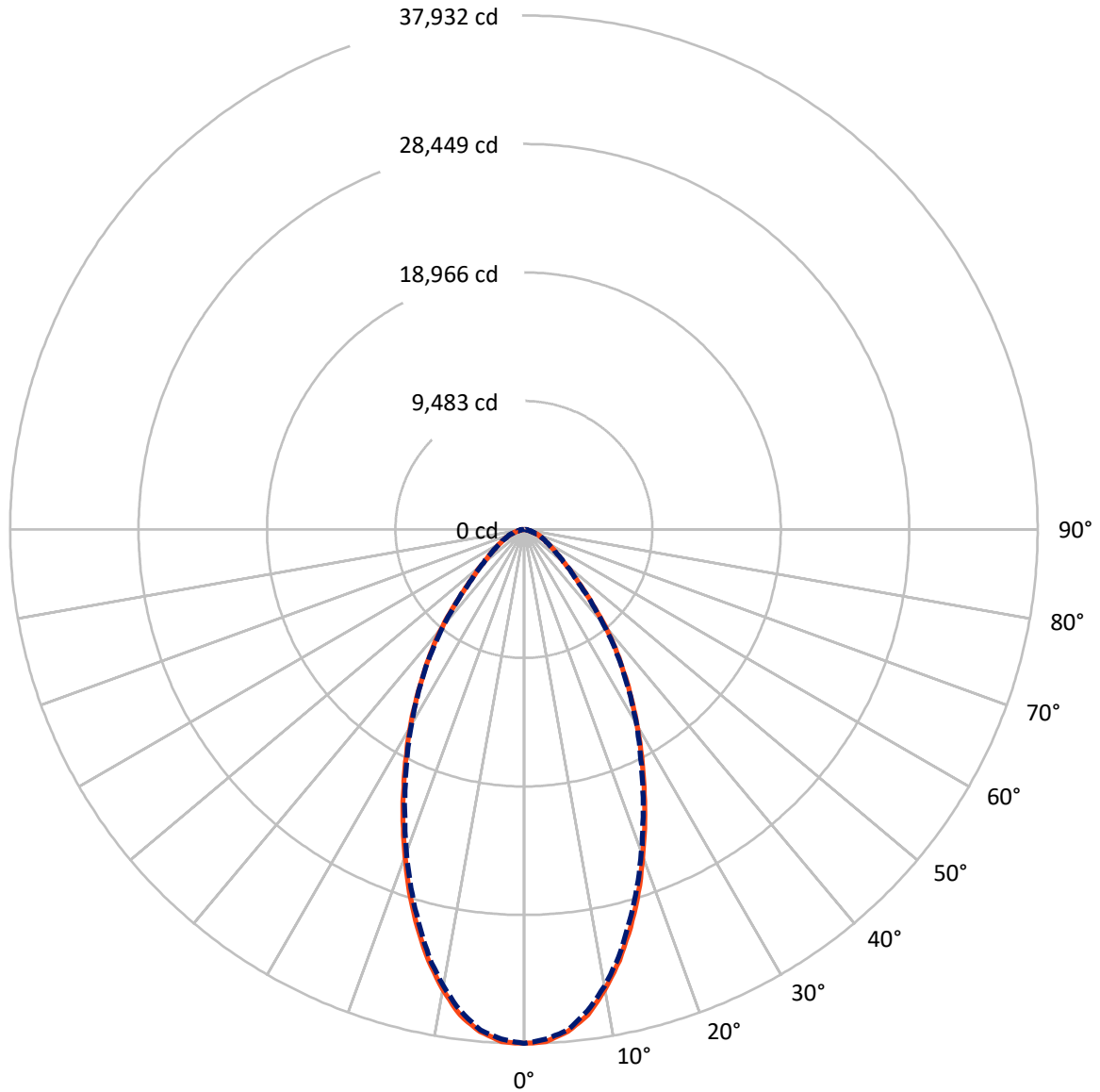
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Lumen Table

90	2.8	16.9	34.0	51.7	44.4	51.7	34.0	16.9	2.8							
80	2.8	16.9	34.0	51.7	44.4	51.7	34.0	16.9	2.8							
70	6.9	7.4	13.1	19.9	27.9	35.6	41.6	44.6	44.6	41.6	35.6	27.9	19.9	13.1	7.4	6.9
60		9.8	18.6	30.6	45.8	62.4	77.4	86.4	86.4	77.4	62.4	45.8	30.6	18.6	9.8	
50	9.3	12.2	25.0	45.0	74.7	114.6	157.8	187.1	187.1	157.8	114.6	74.7	45.0	25.0	12.2	9.3
40		14.6	32.2	64.8	124.4	220.0	319.9	382.0	382.0	319.9	220.0	124.4	64.8	32.2	14.6	
30	10.7	16.7	39.6	89.9	199.0	359.2	516.0	619.2	619.2	516.0	359.2	199.0	89.9	39.6	16.7	10.7
20		18.5	46.3	115.6	271.1	483.7	716.3	884.4	884.4	716.3	483.7	271.1	115.6	46.3	18.5	
10	11.3	19.4	50.2	132.6	313.0	561.0	854.3	1073.7	1073.7	854.3	561.0	313.0	132.6	50.2	19.4	11.3
0		19.4	50.2	132.6	313.0	561.0	854.3	1073.7	1073.7	854.3	561.0	313.0	132.6	50.2	19.4	
-10	10.7	18.5	46.3	115.6	271.1	483.7	716.3	884.4	884.4	716.3	483.7	271.1	115.6	46.3	18.5	10.7
-20		16.7	39.6	89.9	199.0	359.2	516.0	619.2	619.2	516.0	359.2	199.0	89.9	39.6	16.7	
-30	9.3	14.6	32.2	64.8	124.4	220.0	319.9	382.0	382.0	319.9	220.0	124.4	64.8	32.2	14.6	9.3
-40		12.2	25.0	45.0	74.7	114.6	157.8	187.1	187.1	157.8	114.6	74.7	45.0	25.0	12.2	
-50	6.9	9.8	18.6	30.6	45.8	62.4	77.4	86.4	86.4	77.4	62.4	45.8	30.6	18.6	9.8	6.9
-60		7.4	13.1	19.9	27.9	35.6	41.6	44.6	44.6	41.6	35.6	27.9	19.9	13.1	7.4	
-70	2.8	16.9	34.0	51.7	44.4	51.7	34.0	16.9	2.8							
-80		2.8	16.9	34.0	51.7	44.4	51.7	34.0	16.9	2.8						
-90	2.8	16.9	34.0	51.7	44.4	51.7	34.0	16.9	2.8							

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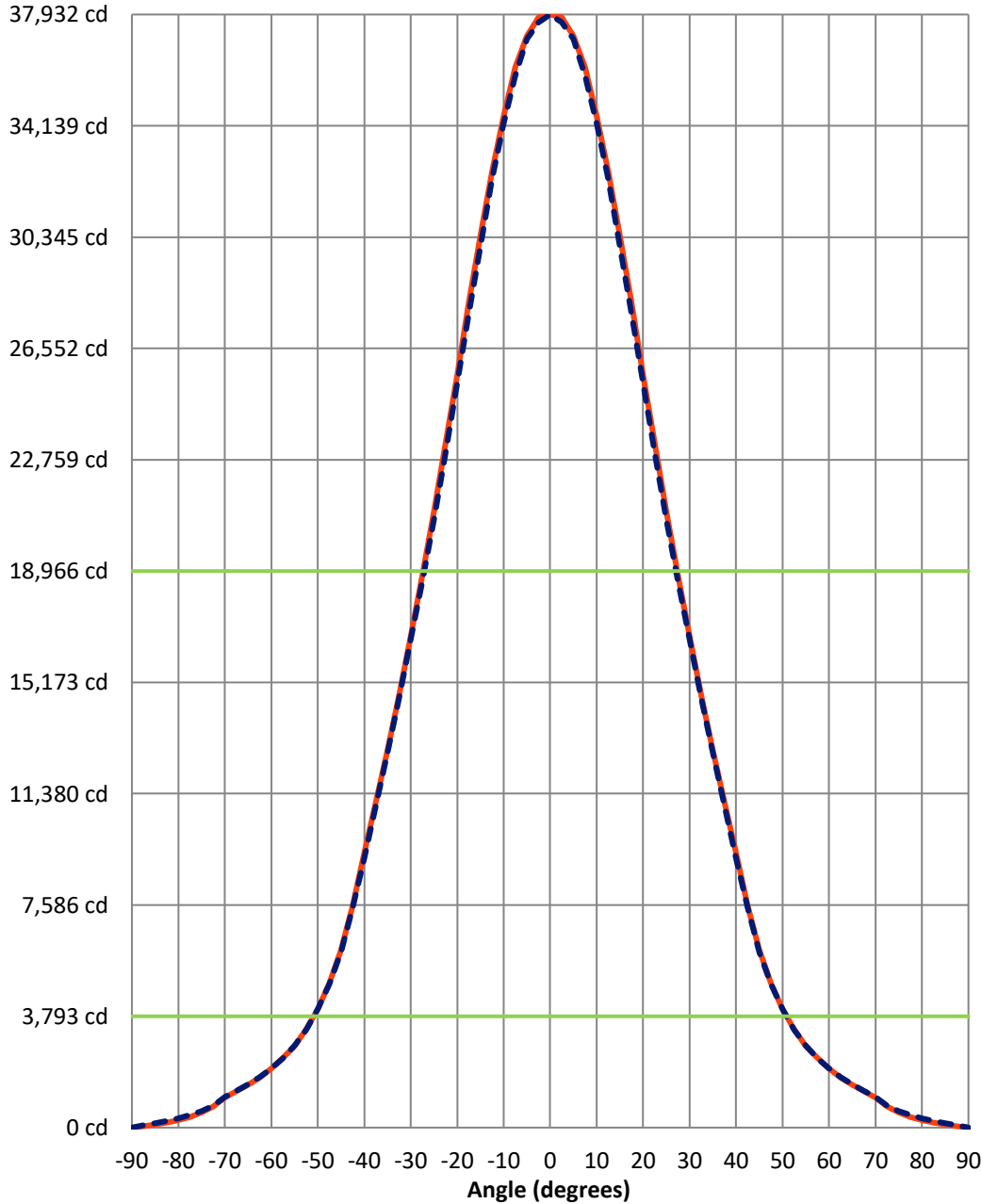
Luminous Intensity Polar Plot



— 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: 18915.5
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 34526
Efficiency: 87.8%

Spill:
Lumens: 4815.5
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	16	24	32	40	49	53	57	65
85°	0	8	16	28	45	65	85	97	105	117	125
82.5°	0	12	28	45	69	93	125	142	158	174	186
80°	0	16	36	61	89	125	166	186	206	226	243
77.5°	0	20	45	73	113	154	202	230	255	279	303
75°	0	24	53	89	133	178	234	271	303	336	372
72.5°	0	28	61	101	150	202	267	311	348	392	441
70°	0	32	69	117	166	226	299	348	392	445	485
67.5°	0	36	77	125	182	247	323	384	433	481	525
65°	0	36	85	133	194	267	344	416	469	517	570
62.5°	0	40	93	142	206	283	364	445	501	554	614
60°	0	45	97	150	222	299	388	473	530	594	659
57.5°	0	49	101	158	230	311	404	497	566	635	703
55°	0	53	109	166	239	327	420	521	598	671	748
52.5°	0	53	113	170	251	340	437	538	631	711	800
50°	0	57	117	174	259	352	449	558	663	752	845
47.5°	0	61	121	178	263	360	465	578	699	792	893
45°	0	61	125	182	271	372	477	590	724	833	938
42.5°	0	65	125	186	275	380	489	610	744	873	986
40°	0	69	129	194	283	384	501	627	768	913	1031
37.5°	0	69	133	198	287	392	509	643	792	942	1071
35°	0	73	137	202	291	396	513	659	812	970	1116
32.5°	0	73	137	210	295	404	521	671	837	1002	1156
30°	0	73	142	214	295	404	534	683	857	1035	1196
27.5°	0	77	142	214	303	408	542	699	877	1071	1237
25°	0	77	146	218	307	408	546	711	901	1103	1273
22.5°	0	77	146	222	311	412	550	724	926	1132	1314
20°	0	81	150	226	315	416	554	736	950	1156	1346
17.5°	0	81	150	226	319	424	558	744	970	1180	1374
15°	0	85	150	226	319	428	566	748	990	1200	1403
12.5°	0	85	150	230	319	428	570	756	1010	1221	1423
10°	0	81	154	230	319	433	574	760	1023	1233	1443
7.5°	0	81	154	230	323	433	574	760	1035	1245	1455
5°	0	81	150	230	319	437	574	764	1051	1257	1467
2.5°	0	81	150	226	319	437	566	756	1047	1257	1475
0°	0	81	150	226	315	433	562	748	1043	1253	1475
-2.5°	0	81	150	226	319	437	566	756	1047	1257	1475
-5°	0	81	150	230	319	437	574	764	1051	1257	1467
-7.5°	0	81	154	230	323	433	574	760	1035	1245	1455
-10°	0	81	154	230	319	433	574	760	1023	1233	1443
-12.5°	0	85	150	230	319	428	570	756	1010	1221	1423
-15°	0	85	150	226	319	428	566	748	990	1200	1403
-17.5°	0	81	150	226	319	424	558	744	970	1180	1374
-20°	0	81	150	226	315	416	554	736	950	1156	1346



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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	77	146	222	311	412	550	724	926	1132	1314
-25°	0	77	146	218	307	408	546	711	901	1103	1273
-27.5°	0	77	142	214	303	408	542	699	877	1071	1237
-30°	0	73	142	214	295	404	534	683	857	1035	1196
-32.5°	0	73	137	210	295	404	521	671	837	1002	1156
-35°	0	73	137	202	291	396	513	659	812	970	1116
-37.5°	0	69	133	198	287	392	509	643	792	942	1071
-40°	0	69	129	194	283	384	501	627	768	913	1031
-42.5°	0	65	125	186	275	380	489	610	744	873	986
-45°	0	61	125	182	271	372	477	590	724	833	938
-47.5°	0	61	121	178	263	360	465	578	699	792	893
-50°	0	57	117	174	259	352	449	558	663	752	845
-52.5°	0	53	113	170	251	340	437	538	631	711	800
-55°	0	53	109	166	239	327	420	521	598	671	748
-57.5°	0	49	101	158	230	311	404	497	566	635	703
-60°	0	45	97	150	222	299	388	473	530	594	659
-62.5°	0	40	93	142	206	283	364	445	501	554	614
-65°	0	36	85	133	194	267	344	416	469	517	570
-67.5°	0	36	77	125	182	247	323	384	433	481	525
-70°	0	32	69	117	166	226	299	348	392	445	485
-72.5°	0	28	61	101	150	202	267	311	348	392	441
-75°	0	24	53	89	133	178	234	271	303	336	372
-77.5°	0	20	45	73	113	154	202	230	255	279	303
-80°	0	16	36	61	89	125	166	186	206	226	243
-82.5°	0	12	28	45	69	93	125	142	158	174	186
-85°	0	8	16	28	45	65	85	97	105	117	125
-87.5°	0	4	8	16	24	32	40	49	53	57	65
-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°	69	73	77	77	77	73	69	65	73	81	89
85°	133	146	150	158	154	146	142	133	150	166	186
82.5°	198	210	218	226	226	218	210	198	222	247	275
80°	259	275	291	303	303	291	279	263	291	327	364
77.5°	331	352	368	384	380	376	368	360	388	424	461
75°	404	433	445	461	469	465	465	473	505	550	590
72.5°	469	489	513	542	554	562	582	606	639	675	707
70°	521	546	578	606	631	655	683	715	748	784	816
67.5°	570	606	639	675	707	744	780	816	853	893	934
65°	622	663	703	744	788	833	877	918	962	1015	1059
62.5°	675	719	768	816	869	922	974	1027	1087	1144	1200
60°	724	780	837	897	958	1019	1075	1144	1217	1281	1354
57.5°	772	841	905	974	1043	1112	1192	1269	1354	1439	1520
55°	825	905	978	1055	1132	1221	1310	1407	1500	1609	1710
52.5°	881	966	1051	1136	1233	1330	1435	1548	1669	1795	1920
50°	938	1031	1124	1225	1334	1447	1572	1706	1851	1997	2150
47.5°	990	1091	1204	1314	1439	1572	1718	1879	2041	2223	2417
45°	1047	1156	1277	1411	1548	1706	1879	2057	2263	2470	2696
42.5°	1103	1221	1358	1500	1669	1847	2037	2263	2494	2748	3023
40°	1152	1285	1439	1609	1791	1989	2223	2470	2752	3056	3395
37.5°	1209	1354	1520	1706	1916	2146	2417	2704	3031	3399	3807
35°	1261	1423	1605	1807	2041	2308	2611	2946	3326	3771	4268
32.5°	1314	1491	1685	1908	2166	2470	2813	3209	3658	4167	4790
30°	1366	1552	1762	2005	2296	2639	3035	3476	3993	4636	5376
27.5°	1415	1617	1843	2110	2421	2797	3246	3771	4381	5105	5970
25°	1463	1673	1920	2207	2554	2967	3456	4034	4765	5622	6649
22.5°	1508	1730	1989	2300	2676	3132	3682	4341	5145	6099	7308
20°	1552	1787	2061	2389	2781	3282	3888	4624	5537	6661	8003
17.5°	1588	1839	2130	2482	2910	3436	4078	4907	5893	7178	8674
15°	1625	1884	2191	2563	3023	3589	4284	5153	6269	7667	9256
12.5°	1653	1920	2243	2635	3120	3718	4462	5404	6633	8128	9761
10°	1673	1952	2284	2692	3201	3824	4608	5606	6928	8504	10181
7.5°	1694	1976	2316	2736	3262	3904	4721	5764	7154	8795	10505
5°	1710	1997	2340	2769	3302	3965	4806	5865	7316	9001	10735
2.5°	1722	2013	2360	2797	3334	4030	4882	5974	7469	9175	10941
0°	1722	2017	2360	2797	3330	4042	4895	5982	7489	9171	10969
-2.5°	1722	2013	2360	2797	3334	4030	4882	5974	7469	9175	10941
-5°	1710	1997	2340	2769	3302	3965	4806	5865	7316	9001	10735
-7.5°	1694	1976	2316	2736	3262	3904	4721	5764	7154	8795	10505
-10°	1673	1952	2284	2692	3201	3824	4608	5606	6928	8504	10181
-12.5°	1653	1920	2243	2635	3120	3718	4462	5404	6633	8128	9761
-15°	1625	1884	2191	2563	3023	3589	4284	5153	6269	7667	9256
-17.5°	1588	1839	2130	2482	2910	3436	4078	4907	5893	7178	8674
-20°	1552	1787	2061	2389	2781	3282	3888	4624	5537	6661	8003



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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°	1508	1730	1989	2300	2676	3132	3682	4341	5145	6099	7308
-25°	1463	1673	1920	2207	2554	2967	3456	4034	4765	5622	6649
-27.5°	1415	1617	1843	2110	2421	2797	3246	3771	4381	5105	5970
-30°	1366	1552	1762	2005	2296	2639	3035	3476	3993	4636	5376
-32.5°	1314	1491	1685	1908	2166	2470	2813	3209	3658	4167	4790
-35°	1261	1423	1605	1807	2041	2308	2611	2946	3326	3771	4268
-37.5°	1209	1354	1520	1706	1916	2146	2417	2704	3031	3399	3807
-40°	1152	1285	1439	1609	1791	1989	2223	2470	2752	3056	3395
-42.5°	1103	1221	1358	1500	1669	1847	2037	2263	2494	2748	3023
-45°	1047	1156	1277	1411	1548	1706	1879	2057	2263	2470	2696
-47.5°	990	1091	1204	1314	1439	1572	1718	1879	2041	2223	2417
-50°	938	1031	1124	1225	1334	1447	1572	1706	1851	1997	2150
-52.5°	881	966	1051	1136	1233	1330	1435	1548	1669	1795	1920
-55°	825	905	978	1055	1132	1221	1310	1407	1500	1609	1710
-57.5°	772	841	905	974	1043	1112	1192	1269	1354	1439	1520
-60°	724	780	837	897	958	1019	1075	1144	1217	1281	1354
-62.5°	675	719	768	816	869	922	974	1027	1087	1144	1200
-65°	622	663	703	744	788	833	877	918	962	1015	1059
-67.5°	570	606	639	675	707	744	780	816	853	893	934
-70°	521	546	578	606	631	655	683	715	748	784	816
-72.5°	469	489	513	542	554	562	582	606	639	675	707
-75°	404	433	445	461	469	465	465	473	505	550	590
-77.5°	331	352	368	384	380	376	368	360	388	424	461
-80°	259	275	291	303	303	291	279	263	291	327	364
-82.5°	198	210	218	226	226	218	210	198	222	247	275
-85°	133	146	150	158	154	146	142	133	150	166	186
-87.5°	69	73	77	77	77	73	69	65	73	81	89
-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°	101	101	101	101	97	101	101	105	109	97	85
85°	202	206	206	206	206	206	206	206	206	186	166
82.5°	303	315	323	336	344	344	340	336	327	295	259
80°	400	420	433	445	457	453	449	441	437	396	356
77.5°	497	521	538	550	562	566	562	562	558	521	477
75°	622	643	659	675	691	699	703	703	703	671	631
72.5°	736	760	784	808	829	841	853	861	869	853	829
70°	853	881	909	938	966	986	1002	1019	1027	1031	1031
67.5°	974	1010	1047	1083	1116	1144	1164	1184	1200	1217	1225
65°	1107	1156	1200	1241	1277	1314	1342	1370	1394	1415	1427
62.5°	1257	1314	1366	1419	1459	1504	1548	1588	1621	1649	1669
60°	1423	1491	1556	1621	1685	1738	1795	1843	1884	1920	1952
57.5°	1609	1694	1774	1859	1932	2001	2069	2138	2199	2247	2288
55°	1815	1920	2025	2126	2227	2320	2409	2498	2579	2643	2700
52.5°	2053	2179	2312	2437	2575	2696	2809	2930	3039	3136	3217
50°	2308	2470	2643	2805	2983	3153	3306	3460	3613	3747	3856
47.5°	2607	2801	3027	3250	3468	3698	3912	4115	4325	4503	4652
45°	2930	3201	3468	3767	4042	4353	4648	4943	5202	5460	5679
42.5°	3314	3654	3993	4377	4753	5145	5561	5933	6321	6701	7017
40°	3771	4171	4640	5101	5622	6115	6705	7227	7720	8201	8609
37.5°	4272	4802	5380	5966	6673	7368	8059	8714	9300	9838	10266
35°	4850	5517	6204	7057	7898	8746	9539	10282	10949	11495	11947
32.5°	5513	6301	7251	8241	9215	10157	11103	11838	12533	13156	13689
30°	6216	7243	8350	9458	10521	11543	12497	13382	14191	14890	15488
27.5°	7041	8229	9462	10650	11790	12893	13976	14987	15872	16608	17351
25°	7857	9219	10537	11794	13027	14259	15452	16587	17622	18523	19328
22.5°	8718	10141	11531	12865	14263	15605	16911	18204	19392	20431	21336
20°	9514	11042	12461	13948	15464	16919	18386	19784	21110	22363	23394
17.5°	10226	11782	13330	14898	16551	18200	19792	21308	22820	24279	25564
15°	10860	12493	14081	15791	17574	19348	21122	22791	24493	26110	27549
12.5°	11422	13107	14797	16616	18479	20326	22270	24210	26098	27840	29400
10°	11887	13637	15448	17331	19267	21219	23313	25467	27488	29339	31037
7.5°	12238	14037	15929	17885	19926	22015	24202	26397	28535	30523	32302
5°	12489	14304	16248	18244	20370	22553	24885	27225	29408	31465	33284
2.5°	12715	14542	16523	18443	20609	22872	25208	27633	29864	31978	34003
0°	12776	14639	16640	18612	20718	22989	25370	27739	30026	32322	34226
-2.5°	12715	14542	16523	18443	20609	22872	25208	27633	29864	31978	34003
-5°	12489	14304	16248	18244	20370	22553	24885	27225	29408	31465	33284
-7.5°	12238	14037	15929	17885	19926	22015	24202	26397	28535	30523	32302
-10°	11887	13637	15448	17331	19267	21219	23313	25467	27488	29339	31037
-12.5°	11422	13107	14797	16616	18479	20326	22270	24210	26098	27840	29400
-15°	10860	12493	14081	15791	17574	19348	21122	22791	24493	26110	27549
-17.5°	10226	11782	13330	14898	16551	18200	19792	21308	22820	24279	25564
-20°	9514	11042	12461	13948	15464	16919	18386	19784	21110	22363	23394



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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°	8718	10141	11531	12865	14263	15605	16911	18204	19392	20431	21336
-25°	7857	9219	10537	11794	13027	14259	15452	16587	17622	18523	19328
-27.5°	7041	8229	9462	10650	11790	12893	13976	14987	15872	16608	17351
-30°	6216	7243	8350	9458	10521	11543	12497	13382	14191	14890	15488
-32.5°	5513	6301	7251	8241	9215	10157	11103	11838	12533	13156	13689
-35°	4850	5517	6204	7057	7898	8746	9539	10282	10949	11495	11947
-37.5°	4272	4802	5380	5966	6673	7368	8059	8714	9300	9838	10266
-40°	3771	4171	4640	5101	5622	6115	6705	7227	7720	8201	8609
-42.5°	3314	3654	3993	4377	4753	5145	5561	5933	6321	6701	7017
-45°	2930	3201	3468	3767	4042	4353	4648	4943	5202	5460	5679
-47.5°	2607	2801	3027	3250	3468	3698	3912	4115	4325	4503	4652
-50°	2308	2470	2643	2805	2983	3153	3306	3460	3613	3747	3856
-52.5°	2053	2179	2312	2437	2575	2696	2809	2930	3039	3136	3217
-55°	1815	1920	2025	2126	2227	2320	2409	2498	2579	2643	2700
-57.5°	1609	1694	1774	1859	1932	2001	2069	2138	2199	2247	2288
-60°	1423	1491	1556	1621	1685	1738	1795	1843	1884	1920	1952
-62.5°	1257	1314	1366	1419	1459	1504	1548	1588	1621	1649	1669
-65°	1107	1156	1200	1241	1277	1314	1342	1370	1394	1415	1427
-67.5°	974	1010	1047	1083	1116	1144	1164	1184	1200	1217	1225
-70°	853	881	909	938	966	986	1002	1019	1027	1031	1031
-72.5°	736	760	784	808	829	841	853	861	869	853	829
-75°	622	643	659	675	691	699	703	703	703	671	631
-77.5°	497	521	538	550	562	566	562	562	558	521	477
-80°	400	420	433	445	457	453	449	441	437	396	356
-82.5°	303	315	323	336	344	344	340	336	327	295	259
-85°	202	206	206	206	206	206	206	206	206	186	166
-87.5°	101	101	101	101	97	101	101	105	109	97	85
-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°	69	57	53	45	53	57	69	85	97	109	105
85°	142	117	113	105	113	117	142	166	186	206	206
82.5°	226	186	178	170	178	186	226	259	295	327	336
80°	319	271	263	255	263	271	319	356	396	437	441
77.5°	433	388	372	360	372	388	433	477	521	558	562
75°	586	542	530	517	530	542	586	631	671	703	703
72.5°	800	780	748	719	748	780	800	829	853	869	861
70°	1035	1043	1035	1023	1035	1043	1035	1031	1031	1027	1019
67.5°	1229	1237	1237	1241	1237	1237	1229	1225	1217	1200	1184
65°	1439	1443	1455	1459	1455	1443	1439	1427	1415	1394	1370
62.5°	1681	1694	1702	1702	1702	1694	1681	1669	1649	1621	1588
60°	1972	1989	2009	2013	2009	1989	1972	1952	1920	1884	1843
57.5°	2320	2340	2369	2377	2369	2340	2320	2288	2247	2199	2138
55°	2740	2769	2785	2777	2785	2769	2740	2700	2643	2579	2498
52.5°	3286	3334	3367	3351	3367	3334	3286	3217	3136	3039	2930
50°	3945	4005	4046	4034	4046	4005	3945	3856	3747	3613	3460
47.5°	4769	4854	4923	4927	4923	4854	4769	4652	4503	4325	4115
45°	5852	5978	6071	6055	6071	5978	5852	5679	5460	5202	4943
42.5°	7259	7433	7570	7558	7570	7433	7259	7017	6701	6321	5933
40°	8912	9126	9308	9357	9308	9126	8912	8609	8201	7720	7227
37.5°	10614	10889	11119	11095	11119	10889	10614	10266	9838	9300	8714
35°	12323	12610	12837	12857	12837	12610	12323	11947	11495	10949	10282
32.5°	14114	14433	14700	14736	14700	14433	14114	13689	13156	12533	11838
30°	15981	16365	16684	16749	16684	16365	15981	15488	14890	14191	13382
27.5°	17945	18402	18705	18822	18705	18402	17945	17351	16608	15872	14987
25°	19970	20467	20807	20997	20807	20467	19970	19328	18523	17622	16587
22.5°	22084	22674	23115	23325	23115	22674	22084	21336	20431	19392	18204
20°	24267	24909	25423	25641	25423	24909	24267	23394	22363	21110	19784
17.5°	26490	27274	27844	28122	27844	27274	26490	25564	24279	22820	21308
15°	28648	29481	30099	30398	30099	29481	28648	27549	26110	24493	22791
12.5°	30649	31530	32148	32581	32148	31530	30649	29400	27840	26098	24210
10°	32435	33397	34023	34472	34023	33397	32435	31037	29339	27488	25467
7.5°	33773	34989	35697	36137	35697	34989	33773	32302	30523	28535	26397
5°	34799	36141	36784	37200	36784	36141	34799	33284	31465	29408	27225
2.5°	35551	36610	37414	37831	37414	36610	35551	34003	31978	29864	27633
0°	35846	37091	37661	37932	37661	37091	35846	34226	32322	30026	27739
-2.5°	35551	36610	37414	37831	37414	36610	35551	34003	31978	29864	27633
-5°	34799	36141	36784	37200	36784	36141	34799	33284	31465	29408	27225
-7.5°	33773	34989	35697	36137	35697	34989	33773	32302	30523	28535	26397
-10°	32435	33397	34023	34472	34023	33397	32435	31037	29339	27488	25467
-12.5°	30649	31530	32148	32581	32148	31530	30649	29400	27840	26098	24210
-15°	28648	29481	30099	30398	30099	29481	28648	27549	26110	24493	22791
-17.5°	26490	27274	27844	28122	27844	27274	26490	25564	24279	22820	21308
-20°	24267	24909	25423	25641	25423	24909	24267	23394	22363	21110	19784



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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°	22084	22674	23115	23325	23115	22674	22084	21336	20431	19392	18204
-25°	19970	20467	20807	20997	20807	20467	19970	19328	18523	17622	16587
-27.5°	17945	18402	18705	18822	18705	18402	17945	17351	16608	15872	14987
-30°	15981	16365	16684	16749	16684	16365	15981	15488	14890	14191	13382
-32.5°	14114	14433	14700	14736	14700	14433	14114	13689	13156	12533	11838
-35°	12323	12610	12837	12857	12837	12610	12323	11947	11495	10949	10282
-37.5°	10614	10889	11119	11095	11119	10889	10614	10266	9838	9300	8714
-40°	8912	9126	9308	9357	9308	9126	8912	8609	8201	7720	7227
-42.5°	7259	7433	7570	7558	7570	7433	7259	7017	6701	6321	5933
-45°	5852	5978	6071	6055	6071	5978	5852	5679	5460	5202	4943
-47.5°	4769	4854	4923	4927	4923	4854	4769	4652	4503	4325	4115
-50°	3945	4005	4046	4034	4046	4005	3945	3856	3747	3613	3460
-52.5°	3286	3334	3367	3351	3367	3334	3286	3217	3136	3039	2930
-55°	2740	2769	2785	2777	2785	2769	2740	2700	2643	2579	2498
-57.5°	2320	2340	2369	2377	2369	2340	2320	2288	2247	2199	2138
-60°	1972	1989	2009	2013	2009	1989	1972	1952	1920	1884	1843
-62.5°	1681	1694	1702	1702	1702	1694	1681	1669	1649	1621	1588
-65°	1439	1443	1455	1459	1455	1443	1439	1427	1415	1394	1370
-67.5°	1229	1237	1237	1241	1237	1237	1229	1225	1217	1200	1184
-70°	1035	1043	1035	1023	1035	1043	1035	1031	1031	1027	1019
-72.5°	800	780	748	719	748	780	800	829	853	869	861
-75°	586	542	530	517	530	542	586	631	671	703	703
-77.5°	433	388	372	360	372	388	433	477	521	558	562
-80°	319	271	263	255	263	271	319	356	396	437	441
-82.5°	226	186	178	170	178	186	226	259	295	327	336
-85°	142	117	113	105	113	117	142	166	186	206	206
-87.5°	69	57	53	45	53	57	69	85	97	109	105
-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°	101	101	97	101	101	101	101	89	81	73	65
85°	206	206	206	206	206	206	202	186	166	150	133
82.5°	340	344	344	336	323	315	303	275	247	222	198
80°	449	453	457	445	433	420	400	364	327	291	263
77.5°	562	566	562	550	538	521	497	461	424	388	360
75°	703	699	691	675	659	643	622	590	550	505	473
72.5°	853	841	829	808	784	760	736	707	675	639	606
70°	1002	986	966	938	909	881	853	816	784	748	715
67.5°	1164	1144	1116	1083	1047	1010	974	934	893	853	816
65°	1342	1314	1277	1241	1200	1156	1107	1059	1015	962	918
62.5°	1548	1504	1459	1419	1366	1314	1257	1200	1144	1087	1027
60°	1795	1738	1685	1621	1556	1491	1423	1354	1281	1217	1144
57.5°	2069	2001	1932	1859	1774	1694	1609	1520	1439	1354	1269
55°	2409	2320	2227	2126	2025	1920	1815	1710	1609	1500	1407
52.5°	2809	2696	2575	2437	2312	2179	2053	1920	1795	1669	1548
50°	3306	3153	2983	2805	2643	2470	2308	2150	1997	1851	1706
47.5°	3912	3698	3468	3250	3027	2801	2607	2417	2223	2041	1879
45°	4648	4353	4042	3767	3468	3201	2930	2696	2470	2263	2057
42.5°	5561	5145	4753	4377	3993	3654	3314	3023	2748	2494	2263
40°	6705	6115	5622	5101	4640	4171	3771	3395	3056	2752	2470
37.5°	8059	7368	6673	5966	5380	4802	4272	3807	3399	3031	2704
35°	9539	8746	7898	7057	6204	5517	4850	4268	3771	3326	2946
32.5°	11103	10157	9215	8241	7251	6301	5513	4790	4167	3658	3209
30°	12497	11543	10521	9458	8350	7243	6216	5376	4636	3993	3476
27.5°	13976	12893	11790	10650	9462	8229	7041	5970	5105	4381	3771
25°	15452	14259	13027	11794	10537	9219	7857	6649	5622	4765	4034
22.5°	16911	15605	14263	12865	11531	10141	8718	7308	6099	5145	4341
20°	18386	16919	15464	13948	12461	11042	9514	8003	6661	5537	4624
17.5°	19792	18200	16551	14898	13330	11782	10226	8674	7178	5893	4907
15°	21122	19348	17574	15791	14081	12493	10860	9256	7667	6269	5153
12.5°	22270	20326	18479	16616	14797	13107	11422	9761	8128	6633	5404
10°	23313	21219	19267	17331	15448	13637	11887	10181	8504	6928	5606
7.5°	24202	22015	19926	17885	15929	14037	12238	10505	8795	7154	5764
5°	24885	22553	20370	18244	16248	14304	12489	10735	9001	7316	5865
2.5°	25208	22872	20609	18443	16523	14542	12715	10941	9175	7469	5974
0°	25370	22989	20718	18612	16640	14639	12776	10969	9171	7489	5982
-2.5°	25208	22872	20609	18443	16523	14542	12715	10941	9175	7469	5974
-5°	24885	22553	20370	18244	16248	14304	12489	10735	9001	7316	5865
-7.5°	24202	22015	19926	17885	15929	14037	12238	10505	8795	7154	5764
-10°	23313	21219	19267	17331	15448	13637	11887	10181	8504	6928	5606
-12.5°	22270	20326	18479	16616	14797	13107	11422	9761	8128	6633	5404
-15°	21122	19348	17574	15791	14081	12493	10860	9256	7667	6269	5153
-17.5°	19792	18200	16551	14898	13330	11782	10226	8674	7178	5893	4907
-20°	18386	16919	15464	13948	12461	11042	9514	8003	6661	5537	4624



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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°	16911	15605	14263	12865	11531	10141	8718	7308	6099	5145	4341
-25°	15452	14259	13027	11794	10537	9219	7857	6649	5622	4765	4034
-27.5°	13976	12893	11790	10650	9462	8229	7041	5970	5105	4381	3771
-30°	12497	11543	10521	9458	8350	7243	6216	5376	4636	3993	3476
-32.5°	11103	10157	9215	8241	7251	6301	5513	4790	4167	3658	3209
-35°	9539	8746	7898	7057	6204	5517	4850	4268	3771	3326	2946
-37.5°	8059	7368	6673	5966	5380	4802	4272	3807	3399	3031	2704
-40°	6705	6115	5622	5101	4640	4171	3771	3395	3056	2752	2470
-42.5°	5561	5145	4753	4377	3993	3654	3314	3023	2748	2494	2263
-45°	4648	4353	4042	3767	3468	3201	2930	2696	2470	2263	2057
-47.5°	3912	3698	3468	3250	3027	2801	2607	2417	2223	2041	1879
-50°	3306	3153	2983	2805	2643	2470	2308	2150	1997	1851	1706
-52.5°	2809	2696	2575	2437	2312	2179	2053	1920	1795	1669	1548
-55°	2409	2320	2227	2126	2025	1920	1815	1710	1609	1500	1407
-57.5°	2069	2001	1932	1859	1774	1694	1609	1520	1439	1354	1269
-60°	1795	1738	1685	1621	1556	1491	1423	1354	1281	1217	1144
-62.5°	1548	1504	1459	1419	1366	1314	1257	1200	1144	1087	1027
-65°	1342	1314	1277	1241	1200	1156	1107	1059	1015	962	918
-67.5°	1164	1144	1116	1083	1047	1010	974	934	893	853	816
-70°	1002	986	966	938	909	881	853	816	784	748	715
-72.5°	853	841	829	808	784	760	736	707	675	639	606
-75°	703	699	691	675	659	643	622	590	550	505	473
-77.5°	562	566	562	550	538	521	497	461	424	388	360
-80°	449	453	457	445	433	420	400	364	327	291	263
-82.5°	340	344	344	336	323	315	303	275	247	222	198
-85°	206	206	206	206	206	206	202	186	166	150	133
-87.5°	101	101	97	101	101	101	101	89	81	73	65
-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°	69	73	77	77	77	73	69	65	57	53	49
85°	142	146	154	158	150	146	133	125	117	105	97
82.5°	210	218	226	226	218	210	198	186	174	158	142
80°	279	291	303	303	291	275	259	243	226	206	186
77.5°	368	376	380	384	368	352	331	303	279	255	230
75°	465	465	469	461	445	433	404	372	336	303	271
72.5°	582	562	554	542	513	489	469	441	392	348	311
70°	683	655	631	606	578	546	521	485	445	392	348
67.5°	780	744	707	675	639	606	570	525	481	433	384
65°	877	833	788	744	703	663	622	570	517	469	416
62.5°	974	922	869	816	768	719	675	614	554	501	445
60°	1075	1019	958	897	837	780	724	659	594	530	473
57.5°	1192	1112	1043	974	905	841	772	703	635	566	497
55°	1310	1221	1132	1055	978	905	825	748	671	598	521
52.5°	1435	1330	1233	1136	1051	966	881	800	711	631	538
50°	1572	1447	1334	1225	1124	1031	938	845	752	663	558
47.5°	1718	1572	1439	1314	1204	1091	990	893	792	699	578
45°	1879	1706	1548	1411	1277	1156	1047	938	833	724	590
42.5°	2037	1847	1669	1500	1358	1221	1103	986	873	744	610
40°	2223	1989	1791	1609	1439	1285	1152	1031	913	768	627
37.5°	2417	2146	1916	1706	1520	1354	1209	1071	942	792	643
35°	2611	2308	2041	1807	1605	1423	1261	1116	970	812	659
32.5°	2813	2470	2166	1908	1685	1491	1314	1156	1002	837	671
30°	3035	2639	2296	2005	1762	1552	1366	1196	1035	857	683
27.5°	3246	2797	2421	2110	1843	1617	1415	1237	1071	877	699
25°	3456	2967	2554	2207	1920	1673	1463	1273	1103	901	711
22.5°	3682	3132	2676	2300	1989	1730	1508	1314	1132	926	724
20°	3888	3282	2781	2389	2061	1787	1552	1346	1156	950	736
17.5°	4078	3436	2910	2482	2130	1839	1588	1374	1180	970	744
15°	4284	3589	3023	2563	2191	1884	1625	1403	1200	990	748
12.5°	4462	3718	3120	2635	2243	1920	1653	1423	1221	1010	756
10°	4608	3824	3201	2692	2284	1952	1673	1443	1233	1023	760
7.5°	4721	3904	3262	2736	2316	1976	1694	1455	1245	1035	760
5°	4806	3965	3302	2769	2340	1997	1710	1467	1257	1051	764
2.5°	4882	4030	3334	2797	2360	2013	1722	1475	1257	1047	756
0°	4895	4042	3330	2797	2360	2017	1722	1475	1253	1043	748
-2.5°	4882	4030	3334	2797	2360	2013	1722	1475	1257	1047	756
-5°	4806	3965	3302	2769	2340	1997	1710	1467	1257	1051	764
-7.5°	4721	3904	3262	2736	2316	1976	1694	1455	1245	1035	760
-10°	4608	3824	3201	2692	2284	1952	1673	1443	1233	1023	760
-12.5°	4462	3718	3120	2635	2243	1920	1653	1423	1221	1010	756
-15°	4284	3589	3023	2563	2191	1884	1625	1403	1200	990	748
-17.5°	4078	3436	2910	2482	2130	1839	1588	1374	1180	970	744
-20°	3888	3282	2781	2389	2061	1787	1552	1346	1156	950	736



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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°	3682	3132	2676	2300	1989	1730	1508	1314	1132	926	724
-25°	3456	2967	2554	2207	1920	1673	1463	1273	1103	901	711
-27.5°	3246	2797	2421	2110	1843	1617	1415	1237	1071	877	699
-30°	3035	2639	2296	2005	1762	1552	1366	1196	1035	857	683
-32.5°	2813	2470	2166	1908	1685	1491	1314	1156	1002	837	671
-35°	2611	2308	2041	1807	1605	1423	1261	1116	970	812	659
-37.5°	2417	2146	1916	1706	1520	1354	1209	1071	942	792	643
-40°	2223	1989	1791	1609	1439	1285	1152	1031	913	768	627
-42.5°	2037	1847	1669	1500	1358	1221	1103	986	873	744	610
-45°	1879	1706	1548	1411	1277	1156	1047	938	833	724	590
-47.5°	1718	1572	1439	1314	1204	1091	990	893	792	699	578
-50°	1572	1447	1334	1225	1124	1031	938	845	752	663	558
-52.5°	1435	1330	1233	1136	1051	966	881	800	711	631	538
-55°	1310	1221	1132	1055	978	905	825	748	671	598	521
-57.5°	1192	1112	1043	974	905	841	772	703	635	566	497
-60°	1075	1019	958	897	837	780	724	659	594	530	473
-62.5°	974	922	869	816	768	719	675	614	554	501	445
-65°	877	833	788	744	703	663	622	570	517	469	416
-67.5°	780	744	707	675	639	606	570	525	481	433	384
-70°	683	655	631	606	578	546	521	485	445	392	348
-72.5°	582	562	554	542	513	489	469	441	392	348	311
-75°	465	465	469	461	445	433	404	372	336	303	271
-77.5°	368	376	380	384	368	352	331	303	279	255	230
-80°	279	291	303	303	291	275	259	243	226	206	186
-82.5°	210	218	226	226	218	210	198	186	174	158	142
-85°	142	146	154	158	150	146	133	125	117	105	97
-87.5°	69	73	77	77	77	73	69	65	57	53	49
-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°	40	32	24	16	8	4	0
85°	85	65	45	28	16	8	0
82.5°	125	93	69	45	28	12	0
80°	166	125	89	61	36	16	0
77.5°	202	154	113	73	45	20	0
75°	234	178	133	89	53	24	0
72.5°	267	202	150	101	61	28	0
70°	299	226	166	117	69	32	0
67.5°	323	247	182	125	77	36	0
65°	344	267	194	133	85	36	0
62.5°	364	283	206	142	93	40	0
60°	388	299	222	150	97	45	0
57.5°	404	311	230	158	101	49	0
55°	420	327	239	166	109	53	0
52.5°	437	340	251	170	113	53	0
50°	449	352	259	174	117	57	0
47.5°	465	360	263	178	121	61	0
45°	477	372	271	182	125	61	0
42.5°	489	380	275	186	125	65	0
40°	501	384	283	194	129	69	0
37.5°	509	392	287	198	133	69	0
35°	513	396	291	202	137	73	0
32.5°	521	404	295	210	137	73	0
30°	534	404	295	214	142	73	0
27.5°	542	408	303	214	142	77	0
25°	546	408	307	218	146	77	0
22.5°	550	412	311	222	146	77	0
20°	554	416	315	226	150	81	0
17.5°	558	424	319	226	150	81	0
15°	566	428	319	226	150	85	0
12.5°	570	428	319	230	150	85	0
10°	574	433	319	230	154	81	0
7.5°	574	433	323	230	154	81	0
5°	574	437	319	230	150	81	0
2.5°	566	437	319	226	150	81	0
0°	562	433	315	226	150	81	0
-2.5°	566	437	319	226	150	81	0
-5°	574	437	319	230	150	81	0
-7.5°	574	433	323	230	154	81	0
-10°	574	433	319	230	154	81	0
-12.5°	570	428	319	230	150	85	0
-15°	566	428	319	226	150	85	0
-17.5°	558	424	319	226	150	81	0
-20°	554	416	315	226	150	81	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	550	412	311	222	146	77	0
-25°	546	408	307	218	146	77	0
-27.5°	542	408	303	214	142	77	0
-30°	534	404	295	214	142	73	0
-32.5°	521	404	295	210	137	73	0
-35°	513	396	291	202	137	73	0
-37.5°	509	392	287	198	133	69	0
-40°	501	384	283	194	129	69	0
-42.5°	489	380	275	186	125	65	0
-45°	477	372	271	182	125	61	0
-47.5°	465	360	263	178	121	61	0
-50°	449	352	259	174	117	57	0
-52.5°	437	340	251	170	113	53	0
-55°	420	327	239	166	109	53	0
-57.5°	404	311	230	158	101	49	0
-60°	388	299	222	150	97	45	0
-62.5°	364	283	206	142	93	40	0
-65°	344	267	194	133	85	36	0
-67.5°	323	247	182	125	77	36	0
-70°	299	226	166	117	69	32	0
-72.5°	267	202	150	101	61	28	0
-75°	234	178	133	89	53	24	0
-77.5°	202	154	113	73	45	20	0
-80°	166	125	89	61	36	16	0
-82.5°	125	93	69	45	28	12	0
-85°	85	65	45	28	16	8	0
-87.5°	40	32	24	16	8	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)