

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: P622283

Luminaire Tested: **IFLD-L-SA7D-760-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622283  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-760-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (112) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

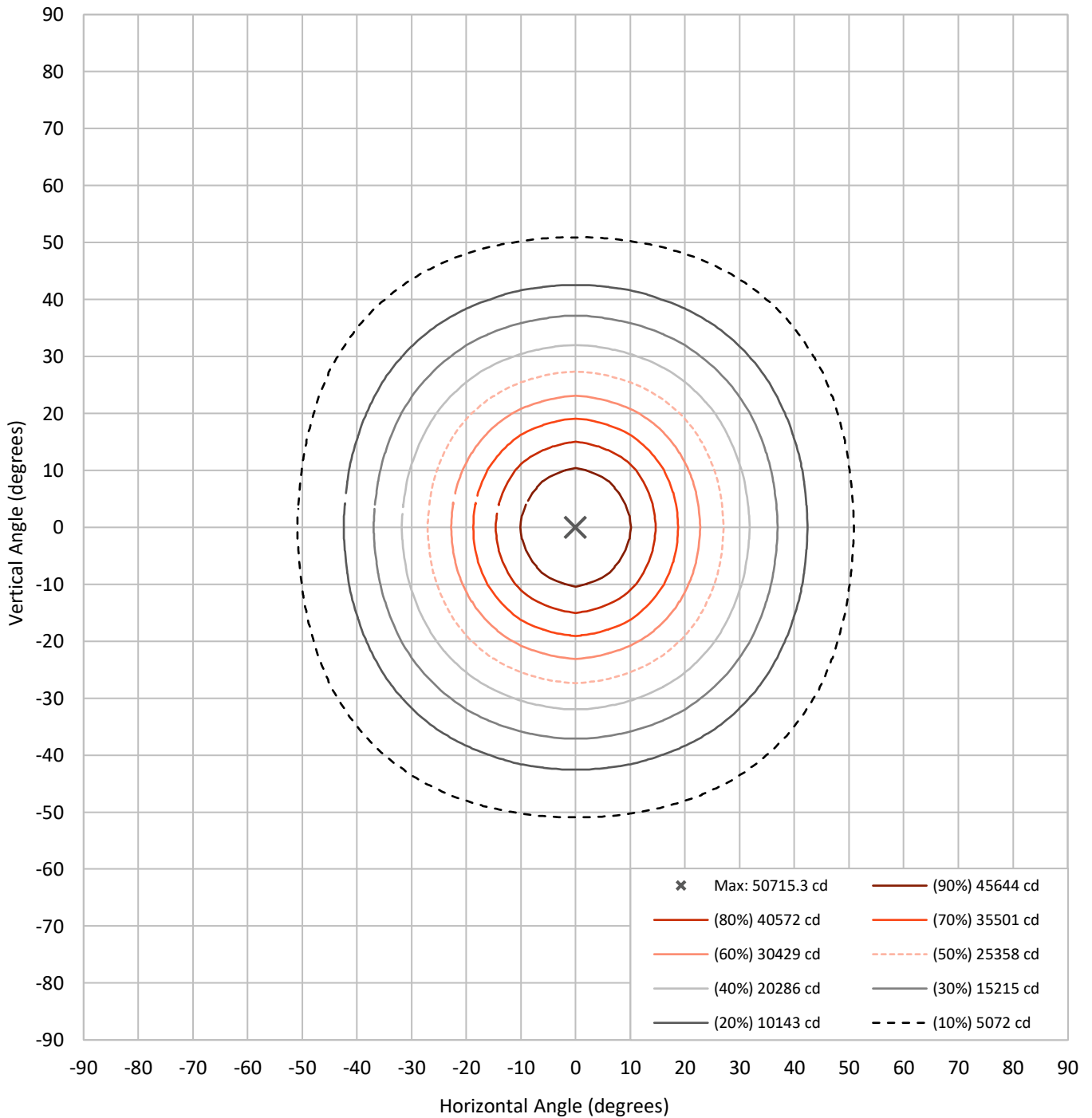
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	52600.1 lumens	Max Intensity:	50715.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.5 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:	25290.3 lumens	Field Lumens:	46161.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	422.6		
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





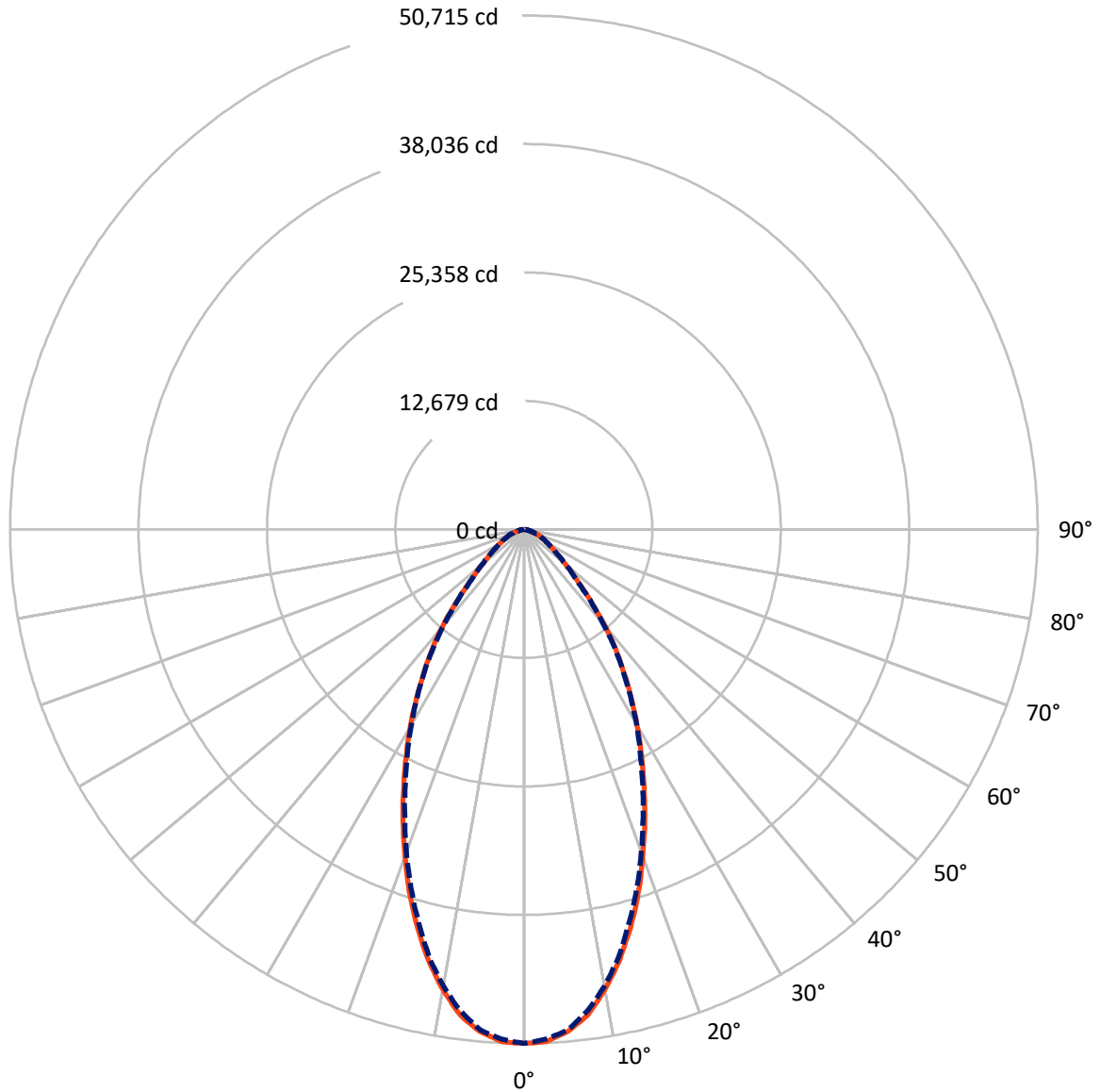
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### Lumen Table

90	3.7	22.6	45.4	69.2	59.4	69.2	45.4	22.6	3.7							
80	3.7	22.6	45.4	69.2	59.4	69.2	45.4	22.6	3.7							
70	9.3	9.9	17.5	26.7	37.3	47.7	55.6	59.6	59.6	55.6	47.7	37.3	26.7	17.5	9.9	9.3
60		13.1	24.9	40.9	61.3	83.5	103.5	115.5	115.5	103.5	83.5	61.3	40.9	24.9	13.1	
50	12.4	16.4	33.4	60.2	99.9	153.2	211.0	250.2	250.2	211.0	153.2	99.9	60.2	33.4	16.4	12.4
40		19.5	43.1	86.7	166.3	294.1	427.7	510.8	510.8	427.7	294.1	166.3	86.7	43.1	19.5	
30	14.4	22.4	53.0	120.1	266.1	480.2	689.9	827.9	827.9	689.9	480.2	266.1	120.1	53.0	22.4	14.4
20		24.7	61.9	154.6	362.5	646.7	957.7	1182.4	1182.4	957.7	646.7	362.5	154.6	61.9	24.7	
10	15.0	26.0	67.2	177.3	418.4	750.1	1142.2	1435.6	1435.6	1142.2	750.1	418.4	177.3	67.2	26.0	15.0
0		26.0	67.2	177.3	418.4	750.1	1142.2	1435.6	1435.6	1142.2	750.1	418.4	177.3	67.2	26.0	
-10	14.4	24.7	61.9	154.6	362.5	646.7	957.7	1182.4	1182.4	957.7	646.7	362.5	154.6	61.9	24.7	14.4
-20		22.4	53.0	120.1	266.1	480.2	689.9	827.9	827.9	689.9	480.2	266.1	120.1	53.0	22.4	
-30	12.4	19.5	43.1	86.7	166.3	294.1	427.7	510.8	510.8	427.7	294.1	166.3	86.7	43.1	19.5	12.4
-40		16.4	33.4	60.2	99.9	153.2	211.0	250.2	250.2	211.0	153.2	99.9	60.2	33.4	16.4	
-50	9.3	13.1	24.9	40.9	61.3	83.5	103.5	115.5	115.5	103.5	83.5	61.3	40.9	24.9	13.1	9.3
-60		9.9	17.5	26.7	37.3	47.7	55.6	59.6	59.6	55.6	47.7	37.3	26.7	17.5	9.9	
-70	3.7	22.6	45.4	69.2	59.4	69.2	45.4	22.6	3.7							
-80		3.7	22.6	45.4	69.2	59.4	69.2	45.4	22.6	3.7						
-90	3.7	22.6	45.4	69.2	59.4	69.2	45.4	22.6	3.7							

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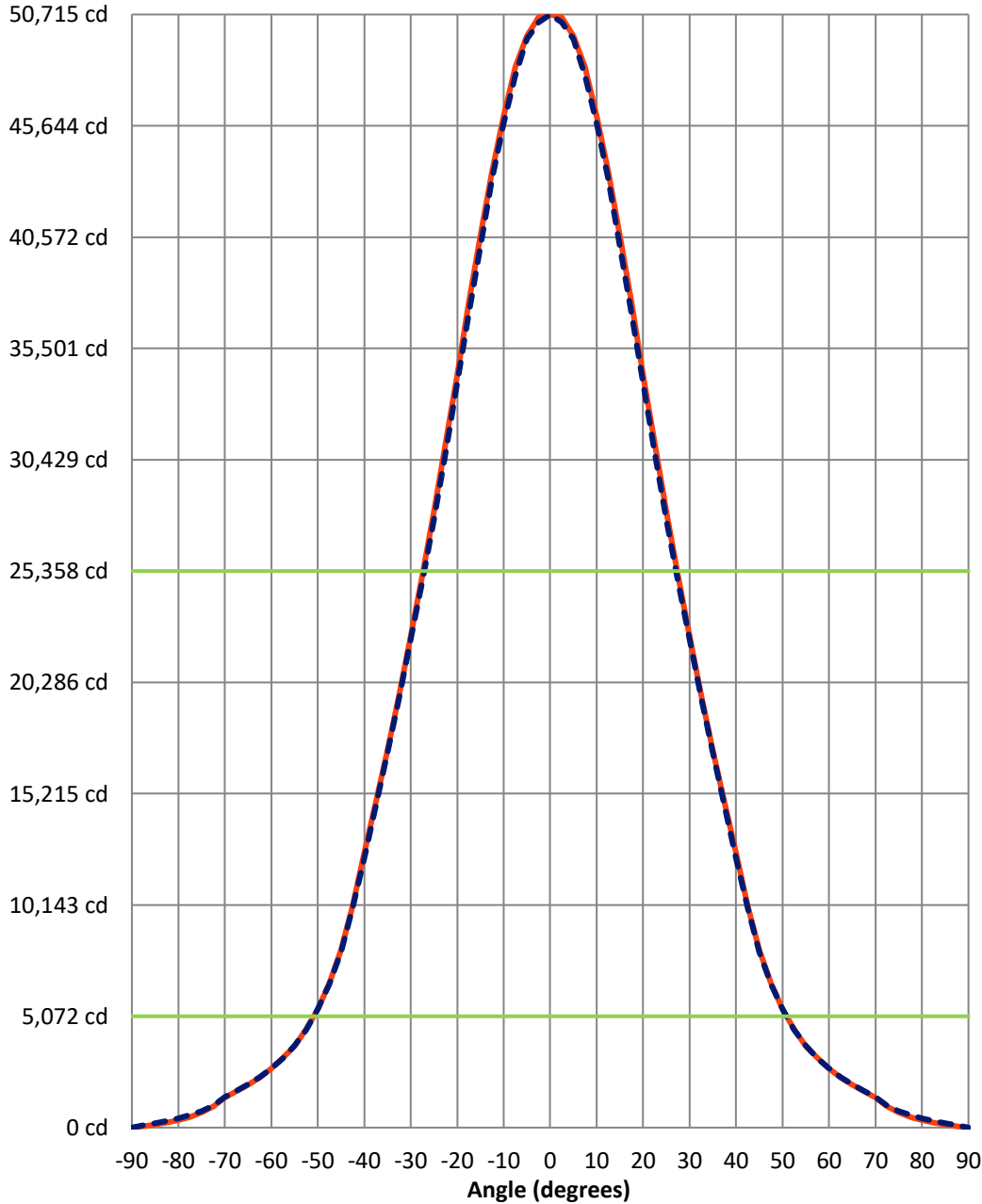
### Luminous Intensity Polar Plot



— 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: 25290.3  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 46161.8  
Efficiency: 87.8%

**Spill:**  
Lumens: 6438.3  
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	5	11	22	32	43	54	65	70	76	87
85°	0	11	22	38	59	87	114	130	141	157	168
82.5°	0	16	38	59	92	124	168	189	211	232	249
80°	0	22	49	81	119	168	222	249	276	303	324
77.5°	0	27	59	97	151	205	270	308	340	373	405
75°	0	32	70	119	178	238	313	362	405	449	497
72.5°	0	38	81	135	200	270	357	416	465	524	589
70°	0	43	92	157	222	303	400	465	524	594	649
67.5°	0	49	103	168	243	330	432	513	578	643	703
65°	0	49	114	178	259	357	459	557	627	692	762
62.5°	0	54	124	189	276	378	486	594	670	740	821
60°	0	59	130	200	297	400	519	632	708	794	881
57.5°	0	65	135	211	308	416	540	665	757	848	940
55°	0	70	146	222	319	438	562	697	800	897	1000
52.5°	0	70	151	227	335	454	584	719	843	951	1070
50°	0	76	157	232	346	470	600	746	886	1005	1129
47.5°	0	81	162	238	351	481	621	773	935	1059	1194
45°	0	81	168	243	362	497	638	789	967	1113	1254
42.5°	0	87	168	249	368	508	654	816	994	1167	1319
40°	0	92	173	259	378	513	670	838	1027	1221	1378
37.5°	0	92	178	265	384	524	681	859	1059	1259	1432
35°	0	97	184	270	389	530	686	881	1086	1297	1492
32.5°	0	97	184	281	395	540	697	897	1119	1340	1546
30°	0	97	189	286	395	540	713	913	1146	1383	1600
27.5°	0	103	189	286	405	546	724	935	1173	1432	1654
25°	0	103	195	292	411	546	730	951	1205	1475	1702
22.5°	0	103	195	297	416	551	735	967	1238	1513	1756
20°	0	108	200	303	422	557	740	984	1270	1546	1800
17.5°	0	108	200	303	427	567	746	994	1297	1578	1837
15°	0	114	200	303	427	573	757	1000	1324	1605	1875
12.5°	0	114	200	308	427	573	762	1011	1351	1632	1902
10°	0	108	205	308	427	578	767	1016	1367	1648	1929
7.5°	0	108	205	308	432	578	767	1016	1383	1664	1945
5°	0	108	200	308	427	584	767	1021	1405	1681	1962
2.5°	0	108	200	303	427	584	757	1011	1400	1681	1972
0°	0	108	200	303	422	578	751	1000	1394	1675	1972
-2.5°	0	108	200	303	427	584	757	1011	1400	1681	1972
-5°	0	108	200	308	427	584	767	1021	1405	1681	1962
-7.5°	0	108	205	308	432	578	767	1016	1383	1664	1945
-10°	0	108	205	308	427	578	767	1016	1367	1648	1929
-12.5°	0	114	200	308	427	573	762	1011	1351	1632	1902
-15°	0	114	200	303	427	573	757	1000	1324	1605	1875
-17.5°	0	108	200	303	427	567	746	994	1297	1578	1837
-20°	0	108	200	303	422	557	740	984	1270	1546	1800



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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	103	195	297	416	551	735	967	1238	1513	1756
-25°	0	103	195	292	411	546	730	951	1205	1475	1702
-27.5°	0	103	189	286	405	546	724	935	1173	1432	1654
-30°	0	97	189	286	395	540	713	913	1146	1383	1600
-32.5°	0	97	184	281	395	540	697	897	1119	1340	1546
-35°	0	97	184	270	389	530	686	881	1086	1297	1492
-37.5°	0	92	178	265	384	524	681	859	1059	1259	1432
-40°	0	92	173	259	378	513	670	838	1027	1221	1378
-42.5°	0	87	168	249	368	508	654	816	994	1167	1319
-45°	0	81	168	243	362	497	638	789	967	1113	1254
-47.5°	0	81	162	238	351	481	621	773	935	1059	1194
-50°	0	76	157	232	346	470	600	746	886	1005	1129
-52.5°	0	70	151	227	335	454	584	719	843	951	1070
-55°	0	70	146	222	319	438	562	697	800	897	1000
-57.5°	0	65	135	211	308	416	540	665	757	848	940
-60°	0	59	130	200	297	400	519	632	708	794	881
-62.5°	0	54	124	189	276	378	486	594	670	740	821
-65°	0	49	114	178	259	357	459	557	627	692	762
-67.5°	0	49	103	168	243	330	432	513	578	643	703
-70°	0	43	92	157	222	303	400	465	524	594	649
-72.5°	0	38	81	135	200	270	357	416	465	524	589
-75°	0	32	70	119	178	238	313	362	405	449	497
-77.5°	0	27	59	97	151	205	270	308	340	373	405
-80°	0	22	49	81	119	168	222	249	276	303	324
-82.5°	0	16	38	59	92	124	168	189	211	232	249
-85°	0	11	22	38	59	87	114	130	141	157	168
-87.5°	0	5	11	22	32	43	54	65	70	76	87
-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°	92	97	103	103	103	97	92	87	97	108	119
85°	178	195	200	211	205	195	189	178	200	222	249
82.5°	265	281	292	303	303	292	281	265	297	330	368
80°	346	368	389	405	405	389	373	351	389	438	486
77.5°	443	470	492	513	508	503	492	481	519	567	616
75°	540	578	594	616	627	621	621	632	676	735	789
72.5°	627	654	686	724	740	751	778	811	854	902	946
70°	697	730	773	811	843	875	913	957	1000	1048	1092
67.5°	762	811	854	902	946	994	1043	1092	1140	1194	1248
65°	832	886	940	994	1054	1113	1173	1227	1286	1356	1416
62.5°	902	962	1027	1092	1162	1232	1302	1373	1454	1529	1605
60°	967	1043	1119	1200	1281	1362	1437	1529	1627	1713	1810
57.5°	1032	1124	1211	1302	1394	1486	1594	1697	1810	1924	2032
55°	1102	1211	1308	1410	1513	1632	1751	1881	2005	2151	2286
52.5°	1178	1292	1405	1519	1648	1778	1918	2070	2232	2399	2567
50°	1254	1378	1502	1637	1783	1935	2102	2280	2475	2670	2875
47.5°	1324	1459	1610	1756	1924	2102	2297	2513	2729	2972	3232
45°	1400	1546	1708	1886	2070	2280	2513	2751	3026	3302	3604
42.5°	1475	1632	1816	2005	2232	2470	2724	3026	3334	3675	4042
40°	1540	1718	1924	2151	2394	2659	2972	3302	3680	4085	4539
37.5°	1616	1810	2032	2280	2561	2870	3232	3615	4053	4545	5090
35°	1686	1902	2145	2416	2729	3086	3491	3939	4447	5042	5707
32.5°	1756	1994	2253	2551	2897	3302	3761	4291	4891	5571	6404
30°	1827	2075	2356	2680	3069	3529	4058	4647	5339	6198	7187
27.5°	1891	2162	2464	2821	3237	3740	4339	5042	5858	6825	7982
25°	1956	2237	2567	2951	3415	3966	4620	5393	6371	7517	8889
22.5°	2016	2313	2659	3075	3577	4188	4923	5804	6879	8154	9770
20°	2075	2389	2756	3194	3718	4388	5199	6182	7403	8906	10700
17.5°	2124	2459	2848	3318	3891	4593	5453	6560	7879	9597	11597
15°	2172	2518	2929	3426	4042	4799	5728	6890	8381	10251	12375
12.5°	2210	2567	2999	3523	4172	4972	5966	7225	8868	10867	13050
10°	2237	2610	3053	3599	4280	5112	6160	7495	9262	11370	13612
7.5°	2264	2643	3096	3658	4361	5220	6312	7706	9565	11759	14045
5°	2286	2670	3129	3702	4415	5301	6425	7841	9781	12034	14353
2.5°	2302	2691	3156	3740	4458	5388	6528	7987	9986	12267	14628
0°	2302	2697	3156	3740	4453	5404	6544	7998	10013	12261	14666
-2.5°	2302	2691	3156	3740	4458	5388	6528	7987	9986	12267	14628
-5°	2286	2670	3129	3702	4415	5301	6425	7841	9781	12034	14353
-7.5°	2264	2643	3096	3658	4361	5220	6312	7706	9565	11759	14045
-10°	2237	2610	3053	3599	4280	5112	6160	7495	9262	11370	13612
-12.5°	2210	2567	2999	3523	4172	4972	5966	7225	8868	10867	13050
-15°	2172	2518	2929	3426	4042	4799	5728	6890	8381	10251	12375
-17.5°	2124	2459	2848	3318	3891	4593	5453	6560	7879	9597	11597
-20°	2075	2389	2756	3194	3718	4388	5199	6182	7403	8906	10700



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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°	2016	2313	2659	3075	3577	4188	4923	5804	6879	8154	9770
-25°	1956	2237	2567	2951	3415	3966	4620	5393	6371	7517	8889
-27.5°	1891	2162	2464	2821	3237	3740	4339	5042	5858	6825	7982
-30°	1827	2075	2356	2680	3069	3529	4058	4647	5339	6198	7187
-32.5°	1756	1994	2253	2551	2897	3302	3761	4291	4891	5571	6404
-35°	1686	1902	2145	2416	2729	3086	3491	3939	4447	5042	5707
-37.5°	1616	1810	2032	2280	2561	2870	3232	3615	4053	4545	5090
-40°	1540	1718	1924	2151	2394	2659	2972	3302	3680	4085	4539
-42.5°	1475	1632	1816	2005	2232	2470	2724	3026	3334	3675	4042
-45°	1400	1546	1708	1886	2070	2280	2513	2751	3026	3302	3604
-47.5°	1324	1459	1610	1756	1924	2102	2297	2513	2729	2972	3232
-50°	1254	1378	1502	1637	1783	1935	2102	2280	2475	2670	2875
-52.5°	1178	1292	1405	1519	1648	1778	1918	2070	2232	2399	2567
-55°	1102	1211	1308	1410	1513	1632	1751	1881	2005	2151	2286
-57.5°	1032	1124	1211	1302	1394	1486	1594	1697	1810	1924	2032
-60°	967	1043	1119	1200	1281	1362	1437	1529	1627	1713	1810
-62.5°	902	962	1027	1092	1162	1232	1302	1373	1454	1529	1605
-65°	832	886	940	994	1054	1113	1173	1227	1286	1356	1416
-67.5°	762	811	854	902	946	994	1043	1092	1140	1194	1248
-70°	697	730	773	811	843	875	913	957	1000	1048	1092
-72.5°	627	654	686	724	740	751	778	811	854	902	946
-75°	540	578	594	616	627	621	621	632	676	735	789
-77.5°	443	470	492	513	508	503	492	481	519	567	616
-80°	346	368	389	405	405	389	373	351	389	438	486
-82.5°	265	281	292	303	303	292	281	265	297	330	368
-85°	178	195	200	211	205	195	189	178	200	222	249
-87.5°	92	97	103	103	103	97	92	87	97	108	119
-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°	135	135	135	135	130	135	135	141	146	130	114
85°	270	276	276	276	276	276	276	276	276	249	222
82.5°	405	422	432	449	459	459	454	449	438	395	346
80°	535	562	578	594	611	605	600	589	584	530	476
77.5°	665	697	719	735	751	757	751	751	746	697	638
75°	832	859	881	902	924	935	940	940	940	897	843
72.5°	984	1016	1048	1081	1108	1124	1140	1151	1162	1140	1108
70°	1140	1178	1216	1254	1292	1319	1340	1362	1373	1378	1378
67.5°	1302	1351	1400	1448	1492	1529	1556	1583	1605	1627	1637
65°	1481	1546	1605	1659	1708	1756	1794	1832	1864	1891	1908
62.5°	1681	1756	1827	1897	1951	2010	2070	2124	2167	2205	2232
60°	1902	1994	2081	2167	2253	2324	2399	2464	2518	2567	2610
57.5°	2151	2264	2372	2486	2583	2675	2767	2859	2940	3005	3059
55°	2426	2567	2707	2842	2978	3102	3221	3340	3448	3534	3610
52.5°	2745	2913	3091	3259	3442	3604	3756	3918	4064	4193	4302
50°	3086	3302	3534	3750	3988	4215	4420	4626	4831	5009	5155
47.5°	3486	3745	4048	4345	4637	4945	5231	5501	5782	6020	6220
45°	3918	4280	4637	5036	5404	5820	6214	6609	6955	7301	7592
42.5°	4431	4885	5339	5852	6355	6879	7436	7933	8452	8960	9381
40°	5042	5577	6204	6820	7517	8176	8965	9662	10321	10964	11510
37.5°	5712	6420	7193	7976	8922	9851	10775	11651	12434	13153	13726
35°	6485	7376	8295	9435	10559	11694	12753	13747	14639	15369	15974
32.5°	7371	8425	9695	11019	12321	13580	14844	15828	16757	17590	18303
30°	8311	9684	11164	12645	14066	15433	16709	17892	18973	19908	20708
27.5°	9414	11002	12650	14239	15763	17238	18687	20038	21221	22205	23199
25°	10505	12326	14088	15769	17417	19065	20659	22178	23561	24766	25841
22.5°	11656	13558	15417	17201	19070	20864	22610	24339	25928	27317	28527
20°	12721	14763	16660	18649	20675	22621	24582	26452	28224	29900	31278
17.5°	13672	15752	17822	19919	22129	24334	26463	28489	30510	32461	34179
15°	14520	16703	18827	21113	23496	25868	28241	30472	32747	34909	36833
12.5°	15271	17525	19784	22215	24707	27176	29775	32369	34893	37222	39308
10°	15893	18233	20654	23172	25760	28370	31170	34050	36752	39227	41496
7.5°	16363	18768	21297	23912	26641	29435	32358	35293	38151	40810	43188
5°	16698	19124	21724	24393	27236	30154	33272	36400	39319	42069	44501
2.5°	17001	19443	22091	24658	27554	30581	33704	36946	39929	42755	45463
0°	17082	19573	22248	24885	27700	30737	33920	37087	40145	43215	45760
-2.5°	17001	19443	22091	24658	27554	30581	33704	36946	39929	42755	45463
-5°	16698	19124	21724	24393	27236	30154	33272	36400	39319	42069	44501
-7.5°	16363	18768	21297	23912	26641	29435	32358	35293	38151	40810	43188
-10°	15893	18233	20654	23172	25760	28370	31170	34050	36752	39227	41496
-12.5°	15271	17525	19784	22215	24707	27176	29775	32369	34893	37222	39308
-15°	14520	16703	18827	21113	23496	25868	28241	30472	32747	34909	36833
-17.5°	13672	15752	17822	19919	22129	24334	26463	28489	30510	32461	34179
-20°	12721	14763	16660	18649	20675	22621	24582	26452	28224	29900	31278



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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°	11656	13558	15417	17201	19070	20864	22610	24339	25928	27317	28527
-25°	10505	12326	14088	15769	17417	19065	20659	22178	23561	24766	25841
-27.5°	9414	11002	12650	14239	15763	17238	18687	20038	21221	22205	23199
-30°	8311	9684	11164	12645	14066	15433	16709	17892	18973	19908	20708
-32.5°	7371	8425	9695	11019	12321	13580	14844	15828	16757	17590	18303
-35°	6485	7376	8295	9435	10559	11694	12753	13747	14639	15369	15974
-37.5°	5712	6420	7193	7976	8922	9851	10775	11651	12434	13153	13726
-40°	5042	5577	6204	6820	7517	8176	8965	9662	10321	10964	11510
-42.5°	4431	4885	5339	5852	6355	6879	7436	7933	8452	8960	9381
-45°	3918	4280	4637	5036	5404	5820	6214	6609	6955	7301	7592
-47.5°	3486	3745	4048	4345	4637	4945	5231	5501	5782	6020	6220
-50°	3086	3302	3534	3750	3988	4215	4420	4626	4831	5009	5155
-52.5°	2745	2913	3091	3259	3442	3604	3756	3918	4064	4193	4302
-55°	2426	2567	2707	2842	2978	3102	3221	3340	3448	3534	3610
-57.5°	2151	2264	2372	2486	2583	2675	2767	2859	2940	3005	3059
-60°	1902	1994	2081	2167	2253	2324	2399	2464	2518	2567	2610
-62.5°	1681	1756	1827	1897	1951	2010	2070	2124	2167	2205	2232
-65°	1481	1546	1605	1659	1708	1756	1794	1832	1864	1891	1908
-67.5°	1302	1351	1400	1448	1492	1529	1556	1583	1605	1627	1637
-70°	1140	1178	1216	1254	1292	1319	1340	1362	1373	1378	1378
-72.5°	984	1016	1048	1081	1108	1124	1140	1151	1162	1140	1108
-75°	832	859	881	902	924	935	940	940	940	897	843
-77.5°	665	697	719	735	751	757	751	751	746	697	638
-80°	535	562	578	594	611	605	600	589	584	530	476
-82.5°	405	422	432	449	459	459	454	449	438	395	346
-85°	270	276	276	276	276	276	276	276	276	249	222
-87.5°	135	135	135	135	130	135	135	141	146	130	114
-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°	92	76	70	59	70	76	92	114	130	146	141
85°	189	157	151	141	151	157	189	222	249	276	276
82.5°	303	249	238	227	238	249	303	346	395	438	449
80°	427	362	351	340	351	362	427	476	530	584	589
77.5°	578	519	497	481	497	519	578	638	697	746	751
75°	784	724	708	692	708	724	784	843	897	940	940
72.5°	1070	1043	1000	962	1000	1043	1070	1108	1140	1162	1151
70°	1383	1394	1383	1367	1383	1394	1383	1378	1378	1373	1362
67.5°	1643	1654	1654	1659	1654	1654	1643	1637	1627	1605	1583
65°	1924	1929	1945	1951	1945	1929	1924	1908	1891	1864	1832
62.5°	2248	2264	2275	2275	2275	2264	2248	2232	2205	2167	2124
60°	2637	2659	2686	2691	2686	2659	2637	2610	2567	2518	2464
57.5°	3102	3129	3167	3178	3167	3129	3102	3059	3005	2940	2859
55°	3664	3702	3723	3713	3723	3702	3664	3610	3534	3448	3340
52.5°	4393	4458	4501	4480	4501	4458	4393	4302	4193	4064	3918
50°	5274	5355	5409	5393	5409	5355	5274	5155	5009	4831	4626
47.5°	6377	6490	6582	6587	6582	6490	6377	6220	6020	5782	5501
45°	7825	7992	8117	8095	8117	7992	7825	7592	7301	6955	6609
42.5°	9705	9938	10121	10105	10121	9938	9705	9381	8960	8452	7933
40°	11916	12202	12445	12510	12445	12202	11916	11510	10964	10321	9662
37.5°	14191	14558	14866	14834	14866	14558	14191	13726	13153	12434	11651
35°	16476	16860	17163	17190	17163	16860	16476	15974	15369	14639	13747
32.5°	18870	19297	19654	19703	19654	19297	18870	18303	17590	16757	15828
30°	21367	21880	22307	22394	22307	21880	21367	20708	19908	18973	17892
27.5°	23993	24604	25009	25166	25009	24604	23993	23199	22205	21221	20038
25°	26701	27365	27819	28073	27819	27365	26701	25841	24766	23561	22178
22.5°	29527	30316	30905	31186	30905	30316	29527	28527	27317	25928	24339
20°	32445	33304	33990	34282	33990	33304	32445	31278	29900	28224	26452
17.5°	35417	36465	37227	37600	37227	36465	35417	34179	32461	30510	28489
15°	38303	39416	40243	40643	40243	39416	38303	36833	34909	32747	30472
12.5°	40978	42156	42982	43561	42982	42156	40978	39308	37222	34893	32369
10°	43366	44652	45490	46090	45490	44652	43366	41496	39227	36752	34050
7.5°	45155	46781	47727	48316	47727	46781	45155	43188	40810	38151	35293
5°	46527	48321	49181	49737	49181	48321	46527	44501	42069	39319	36400
2.5°	47532	48948	50024	50580	50024	48948	47532	45463	42755	39929	36946
0°	47927	49591	50353	50715	50353	49591	47927	45760	43215	40145	37087
-2.5°	47532	48948	50024	50580	50024	48948	47532	45463	42755	39929	36946
-5°	46527	48321	49181	49737	49181	48321	46527	44501	42069	39319	36400
-7.5°	45155	46781	47727	48316	47727	46781	45155	43188	40810	38151	35293
-10°	43366	44652	45490	46090	45490	44652	43366	41496	39227	36752	34050
-12.5°	40978	42156	42982	43561	42982	42156	40978	39308	37222	34893	32369
-15°	38303	39416	40243	40643	40243	39416	38303	36833	34909	32747	30472
-17.5°	35417	36465	37227	37600	37227	36465	35417	34179	32461	30510	28489
-20°	32445	33304	33990	34282	33990	33304	32445	31278	29900	28224	26452



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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°	29527	30316	30905	31186	30905	30316	29527	28527	27317	25928	24339
-25°	26701	27365	27819	28073	27819	27365	26701	25841	24766	23561	22178
-27.5°	23993	24604	25009	25166	25009	24604	23993	23199	22205	21221	20038
-30°	21367	21880	22307	22394	22307	21880	21367	20708	19908	18973	17892
-32.5°	18870	19297	19654	19703	19654	19297	18870	18303	17590	16757	15828
-35°	16476	16860	17163	17190	17163	16860	16476	15974	15369	14639	13747
-37.5°	14191	14558	14866	14834	14866	14558	14191	13726	13153	12434	11651
-40°	11916	12202	12445	12510	12445	12202	11916	11510	10964	10321	9662
-42.5°	9705	9938	10121	10105	10121	9938	9705	9381	8960	8452	7933
-45°	7825	7992	8117	8095	8117	7992	7825	7592	7301	6955	6609
-47.5°	6377	6490	6582	6587	6582	6490	6377	6220	6020	5782	5501
-50°	5274	5355	5409	5393	5409	5355	5274	5155	5009	4831	4626
-52.5°	4393	4458	4501	4480	4501	4458	4393	4302	4193	4064	3918
-55°	3664	3702	3723	3713	3723	3702	3664	3610	3534	3448	3340
-57.5°	3102	3129	3167	3178	3167	3129	3102	3059	3005	2940	2859
-60°	2637	2659	2686	2691	2686	2659	2637	2610	2567	2518	2464
-62.5°	2248	2264	2275	2275	2275	2264	2248	2232	2205	2167	2124
-65°	1924	1929	1945	1951	1945	1929	1924	1908	1891	1864	1832
-67.5°	1643	1654	1654	1659	1654	1654	1643	1637	1627	1605	1583
-70°	1383	1394	1383	1367	1383	1394	1383	1378	1378	1373	1362
-72.5°	1070	1043	1000	962	1000	1043	1070	1108	1140	1162	1151
-75°	784	724	708	692	708	724	784	843	897	940	940
-77.5°	578	519	497	481	497	519	578	638	697	746	751
-80°	427	362	351	340	351	362	427	476	530	584	589
-82.5°	303	249	238	227	238	249	303	346	395	438	449
-85°	189	157	151	141	151	157	189	222	249	276	276
-87.5°	92	76	70	59	70	76	92	114	130	146	141
-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°	135	135	130	135	135	135	135	119	108	97	87
85°	276	276	276	276	276	276	270	249	222	200	178
82.5°	454	459	459	449	432	422	405	368	330	297	265
80°	600	605	611	594	578	562	535	486	438	389	351
77.5°	751	757	751	735	719	697	665	616	567	519	481
75°	940	935	924	902	881	859	832	789	735	676	632
72.5°	1140	1124	1108	1081	1048	1016	984	946	902	854	811
70°	1340	1319	1292	1254	1216	1178	1140	1092	1048	1000	957
67.5°	1556	1529	1492	1448	1400	1351	1302	1248	1194	1140	1092
65°	1794	1756	1708	1659	1605	1546	1481	1416	1356	1286	1227
62.5°	2070	2010	1951	1897	1827	1756	1681	1605	1529	1454	1373
60°	2399	2324	2253	2167	2081	1994	1902	1810	1713	1627	1529
57.5°	2767	2675	2583	2486	2372	2264	2151	2032	1924	1810	1697
55°	3221	3102	2978	2842	2707	2567	2426	2286	2151	2005	1881
52.5°	3756	3604	3442	3259	3091	2913	2745	2567	2399	2232	2070
50°	4420	4215	3988	3750	3534	3302	3086	2875	2670	2475	2280
47.5°	5231	4945	4637	4345	4048	3745	3486	3232	2972	2729	2513
45°	6214	5820	5404	5036	4637	4280	3918	3604	3302	3026	2751
42.5°	7436	6879	6355	5852	5339	4885	4431	4042	3675	3334	3026
40°	8965	8176	7517	6820	6204	5577	5042	4539	4085	3680	3302
37.5°	10775	9851	8922	7976	7193	6420	5712	5090	4545	4053	3615
35°	12753	11694	10559	9435	8295	7376	6485	5707	5042	4447	3939
32.5°	14844	13580	12321	11019	9695	8425	7371	6404	5571	4891	4291
30°	16709	15433	14066	12645	11164	9684	8311	7187	6198	5339	4647
27.5°	18687	17238	15763	14239	12650	11002	9414	7982	6825	5858	5042
25°	20659	19065	17417	15769	14088	12326	10505	8889	7517	6371	5393
22.5°	22610	20864	19070	17201	15417	13558	11656	9770	8154	6879	5804
20°	24582	22621	20675	18649	16660	14763	12721	10700	8906	7403	6182
17.5°	26463	24334	22129	19919	17822	15752	13672	11597	9597	7879	6560
15°	28241	25868	23496	21113	18827	16703	14520	12375	10251	8381	6890
12.5°	29775	27176	24707	22215	19784	17525	15271	13050	10867	8868	7225
10°	31170	28370	25760	23172	20654	18233	15893	13612	11370	9262	7495
7.5°	32358	29435	26641	23912	21297	18768	16363	14045	11759	9565	7706
5°	33272	30154	27236	24393	21724	19124	16698	14353	12034	9781	7841
2.5°	33704	30581	27554	24658	22091	19443	17001	14628	12267	9986	7987
0°	33920	30737	27700	24885	22248	19573	17082	14666	12261	10013	7998
-2.5°	33704	30581	27554	24658	22091	19443	17001	14628	12267	9986	7987
-5°	33272	30154	27236	24393	21724	19124	16698	14353	12034	9781	7841
-7.5°	32358	29435	26641	23912	21297	18768	16363	14045	11759	9565	7706
-10°	31170	28370	25760	23172	20654	18233	15893	13612	11370	9262	7495
-12.5°	29775	27176	24707	22215	19784	17525	15271	13050	10867	8868	7225
-15°	28241	25868	23496	21113	18827	16703	14520	12375	10251	8381	6890
-17.5°	26463	24334	22129	19919	17822	15752	13672	11597	9597	7879	6560
-20°	24582	22621	20675	18649	16660	14763	12721	10700	8906	7403	6182



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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°	22610	20864	19070	17201	15417	13558	11656	9770	8154	6879	5804
-25°	20659	19065	17417	15769	14088	12326	10505	8889	7517	6371	5393
-27.5°	18687	17238	15763	14239	12650	11002	9414	7982	6825	5858	5042
-30°	16709	15433	14066	12645	11164	9684	8311	7187	6198	5339	4647
-32.5°	14844	13580	12321	11019	9695	8425	7371	6404	5571	4891	4291
-35°	12753	11694	10559	9435	8295	7376	6485	5707	5042	4447	3939
-37.5°	10775	9851	8922	7976	7193	6420	5712	5090	4545	4053	3615
-40°	8965	8176	7517	6820	6204	5577	5042	4539	4085	3680	3302
-42.5°	7436	6879	6355	5852	5339	4885	4431	4042	3675	3334	3026
-45°	6214	5820	5404	5036	4637	4280	3918	3604	3302	3026	2751
-47.5°	5231	4945	4637	4345	4048	3745	3486	3232	2972	2729	2513
-50°	4420	4215	3988	3750	3534	3302	3086	2875	2670	2475	2280
-52.5°	3756	3604	3442	3259	3091	2913	2745	2567	2399	2232	2070
-55°	3221	3102	2978	2842	2707	2567	2426	2286	2151	2005	1881
-57.5°	2767	2675	2583	2486	2372	2264	2151	2032	1924	1810	1697
-60°	2399	2324	2253	2167	2081	1994	1902	1810	1713	1627	1529
-62.5°	2070	2010	1951	1897	1827	1756	1681	1605	1529	1454	1373
-65°	1794	1756	1708	1659	1605	1546	1481	1416	1356	1286	1227
-67.5°	1556	1529	1492	1448	1400	1351	1302	1248	1194	1140	1092
-70°	1340	1319	1292	1254	1216	1178	1140	1092	1048	1000	957
-72.5°	1140	1124	1108	1081	1048	1016	984	946	902	854	811
-75°	940	935	924	902	881	859	832	789	735	676	632
-77.5°	751	757	751	735	719	697	665	616	567	519	481
-80°	600	605	611	594	578	562	535	486	438	389	351
-82.5°	454	459	459	449	432	422	405	368	330	297	265
-85°	276	276	276	276	276	276	270	249	222	200	178
-87.5°	135	135	130	135	135	135	135	119	108	97	87
-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°	92	97	103	103	103	97	92	87	76	70	65
85°	189	195	205	211	200	195	178	168	157	141	130
82.5°	281	292	303	303	292	281	265	249	232	211	189
80°	373	389	405	405	389	368	346	324	303	276	249
77.5°	492	503	508	513	492	470	443	405	373	340	308
75°	621	621	627	616	594	578	540	497	449	405	362
72.5°	778	751	740	724	686	654	627	589	524	465	416
70°	913	875	843	811	773	730	697	649	594	524	465
67.5°	1043	994	946	902	854	811	762	703	643	578	513
65°	1173	1113	1054	994	940	886	832	762	692	627	557
62.5°	1302	1232	1162	1092	1027	962	902	821	740	670	594
60°	1437	1362	1281	1200	1119	1043	967	881	794	708	632
57.5°	1594	1486	1394	1302	1211	1124	1032	940	848	757	665
55°	1751	1632	1513	1410	1308	1211	1102	1000	897	800	697
52.5°	1918	1778	1648	1519	1405	1292	1178	1070	951	843	719
50°	2102	1935	1783	1637	1502	1378	1254	1129	1005	886	746
47.5°	2297	2102	1924	1756	1610	1459	1324	1194	1059	935	773
45°	2513	2280	2070	1886	1708	1546	1400	1254	1113	967	789
42.5°	2724	2470	2232	2005	1816	1632	1475	1319	1167	994	816
40°	2972	2659	2394	2151	1924	1718	1540	1378	1221	1027	838
37.5°	3232	2870	2561	2280	2032	1810	1616	1432	1259	1059	859
35°	3491	3086	2729	2416	2145	1902	1686	1492	1297	1086	881
32.5°	3761	3302	2897	2551	2253	1994	1756	1546	1340	1119	897
30°	4058	3529	3069	2680	2356	2075	1827	1600	1383	1146	913
27.5°	4339	3740	3237	2821	2464	2162	1891	1654	1432	1173	935
25°	4620	3966	3415	2951	2567	2237	1956	1702	1475	1205	951
22.5°	4923	4188	3577	3075	2659	2313	2016	1756	1513	1238	967
20°	5199	4388	3718	3194	2756	2389	2075	1800	1546	1270	984
17.5°	5453	4593	3891	3318	2848	2459	2124	1837	1578	1297	994
15°	5728	4799	4042	3426	2929	2518	2172	1875	1605	1324	1000
12.5°	5966	4972	4172	3523	2999	2567	2210	1902	1632	1351	1011
10°	6160	5112	4280	3599	3053	2610	2237	1929	1648	1367	1016
7.5°	6312	5220	4361	3658	3096	2643	2264	1945	1664	1383	1016
5°	6425	5301	4415	3702	3129	2670	2286	1962	1681	1405	1021
2.5°	6528	5388	4458	3740	3156	2691	2302	1972	1681	1400	1011
0°	6544	5404	4453	3740	3156	2697	2302	1972	1675	1394	1000
-2.5°	6528	5388	4458	3740	3156	2691	2302	1972	1681	1400	1011
-5°	6425	5301	4415	3702	3129	2670	2286	1962	1681	1405	1021
-7.5°	6312	5220	4361	3658	3096	2643	2264	1945	1664	1383	1016
-10°	6160	5112	4280	3599	3053	2610	2237	1929	1648	1367	1016
-12.5°	5966	4972	4172	3523	2999	2567	2210	1902	1632	1351	1011
-15°	5728	4799	4042	3426	2929	2518	2172	1875	1605	1324	1000
-17.5°	5453	4593	3891	3318	2848	2459	2124	1837	1578	1297	994
-20°	5199	4388	3718	3194	2756	2389	2075	1800	1546	1270	984



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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°	4923	4188	3577	3075	2659	2313	2016	1756	1513	1238	967
-25°	4620	3966	3415	2951	2567	2237	1956	1702	1475	1205	951
-27.5°	4339	3740	3237	2821	2464	2162	1891	1654	1432	1173	935
-30°	4058	3529	3069	2680	2356	2075	1827	1600	1383	1146	913
-32.5°	3761	3302	2897	2551	2253	1994	1756	1546	1340	1119	897
-35°	3491	3086	2729	2416	2145	1902	1686	1492	1297	1086	881
-37.5°	3232	2870	2561	2280	2032	1810	1616	1432	1259	1059	859
-40°	2972	2659	2394	2151	1924	1718	1540	1378	1221	1027	838
-42.5°	2724	2470	2232	2005	1816	1632	1475	1319	1167	994	816
-45°	2513	2280	2070	1886	1708	1546	1400	1254	1113	967	789
-47.5°	2297	2102	1924	1756	1610	1459	1324	1194	1059	935	773
-50°	2102	1935	1783	1637	1502	1378	1254	1129	1005	886	746
-52.5°	1918	1778	1648	1519	1405	1292	1178	1070	951	843	719
-55°	1751	1632	1513	1410	1308	1211	1102	1000	897	800	697
-57.5°	1594	1486	1394	1302	1211	1124	1032	940	848	757	665
-60°	1437	1362	1281	1200	1119	1043	967	881	794	708	632
-62.5°	1302	1232	1162	1092	1027	962	902	821	740	670	594
-65°	1173	1113	1054	994	940	886	832	762	692	627	557
-67.5°	1043	994	946	902	854	811	762	703	643	578	513
-70°	913	875	843	811	773	730	697	649	594	524	465
-72.5°	778	751	740	724	686	654	627	589	524	465	416
-75°	621	621	627	616	594	578	540	497	449	405	362
-77.5°	492	503	508	513	492	470	443	405	373	340	308
-80°	373	389	405	405	389	368	346	324	303	276	249
-82.5°	281	292	303	303	292	281	265	249	232	211	189
-85°	189	195	205	211	200	195	178	168	157	141	130
-87.5°	92	97	103	103	103	97	92	87	76	70	65
-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°	54	43	32	22	11	5	0
85°	114	87	59	38	22	11	0
82.5°	168	124	92	59	38	16	0
80°	222	168	119	81	49	22	0
77.5°	270	205	151	97	59	27	0
75°	313	238	178	119	70	32	0
72.5°	357	270	200	135	81	38	0
70°	400	303	222	157	92	43	0
67.5°	432	330	243	168	103	49	0
65°	459	357	259	178	114	49	0
62.5°	486	378	276	189	124	54	0
60°	519	400	297	200	130	59	0
57.5°	540	416	308	211	135	65	0
55°	562	438	319	222	146	70	0
52.5°	584	454	335	227	151	70	0
50°	600	470	346	232	157	76	0
47.5°	621	481	351	238	162	81	0
45°	638	497	362	243	168	81	0
42.5°	654	508	368	249	168	87	0
40°	670	513	378	259	173	92	0
37.5°	681	524	384	265	178	92	0
35°	686	530	389	270	184	97	0
32.5°	697	540	395	281	184	97	0
30°	713	540	395	286	189	97	0
27.5°	724	546	405	286	189	103	0
25°	730	546	411	292	195	103	0
22.5°	735	551	416	297	195	103	0
20°	740	557	422	303	200	108	0
17.5°	746	567	427	303	200	108	0
15°	757	573	427	303	200	114	0
12.5°	762	573	427	308	200	114	0
10°	767	578	427	308	205	108	0
7.5°	767	578	432	308	205	108	0
5°	767	584	427	308	200	108	0
2.5°	757	584	427	303	200	108	0
0°	751	578	422	303	200	108	0
-2.5°	757	584	427	303	200	108	0
-5°	767	584	427	308	200	108	0
-7.5°	767	578	432	308	205	108	0
-10°	767	578	427	308	205	108	0
-12.5°	762	573	427	308	200	114	0
-15°	757	573	427	303	200	114	0
-17.5°	746	567	427	303	200	108	0
-20°	740	557	422	303	200	108	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	735	551	416	297	195	103	0
-25°	730	546	411	292	195	103	0
-27.5°	724	546	405	286	189	103	0
-30°	713	540	395	286	189	97	0
-32.5°	697	540	395	281	184	97	0
-35°	686	530	389	270	184	97	0
-37.5°	681	524	384	265	178	92	0
-40°	670	513	378	259	173	92	0
-42.5°	654	508	368	249	168	87	0
-45°	638	497	362	243	168	81	0
-47.5°	621	481	351	238	162	81	0
-50°	600	470	346	232	157	76	0
-52.5°	584	454	335	227	151	70	0
-55°	562	438	319	222	146	70	0
-57.5°	540	416	308	211	135	65	0
-60°	519	400	297	200	130	59	0
-62.5°	486	378	276	189	124	54	0
-65°	459	357	259	178	114	49	0
-67.5°	432	330	243	168	103	49	0
-70°	400	303	222	157	92	43	0
-72.5°	357	270	200	135	81	38	0
-75°	313	238	178	119	70	32	0
-77.5°	270	205	151	97	59	27	0
-80°	222	168	119	81	49	22	0
-82.5°	168	124	92	59	38	16	0
-85°	114	87	59	38	22	11	0
-87.5°	54	43	32	22	11	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)