

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: P622253

Luminaire Tested: **IFLD-L-SA7C-750-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622253
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-750-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (112) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

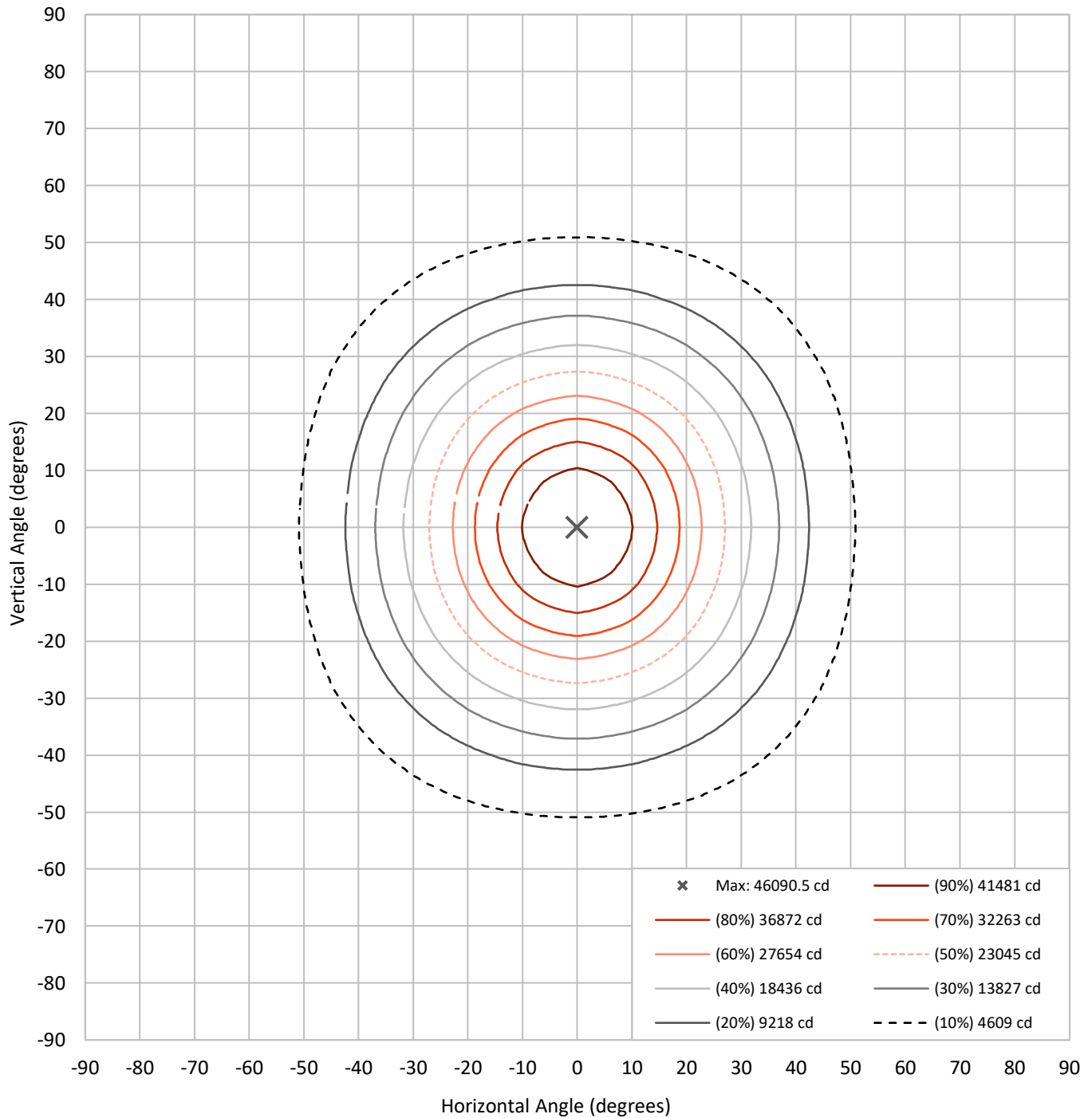
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	47803.4 lumens	Max Intensity:	46090.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	22984 lumens	Field Lumens:	41952.2 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 369
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





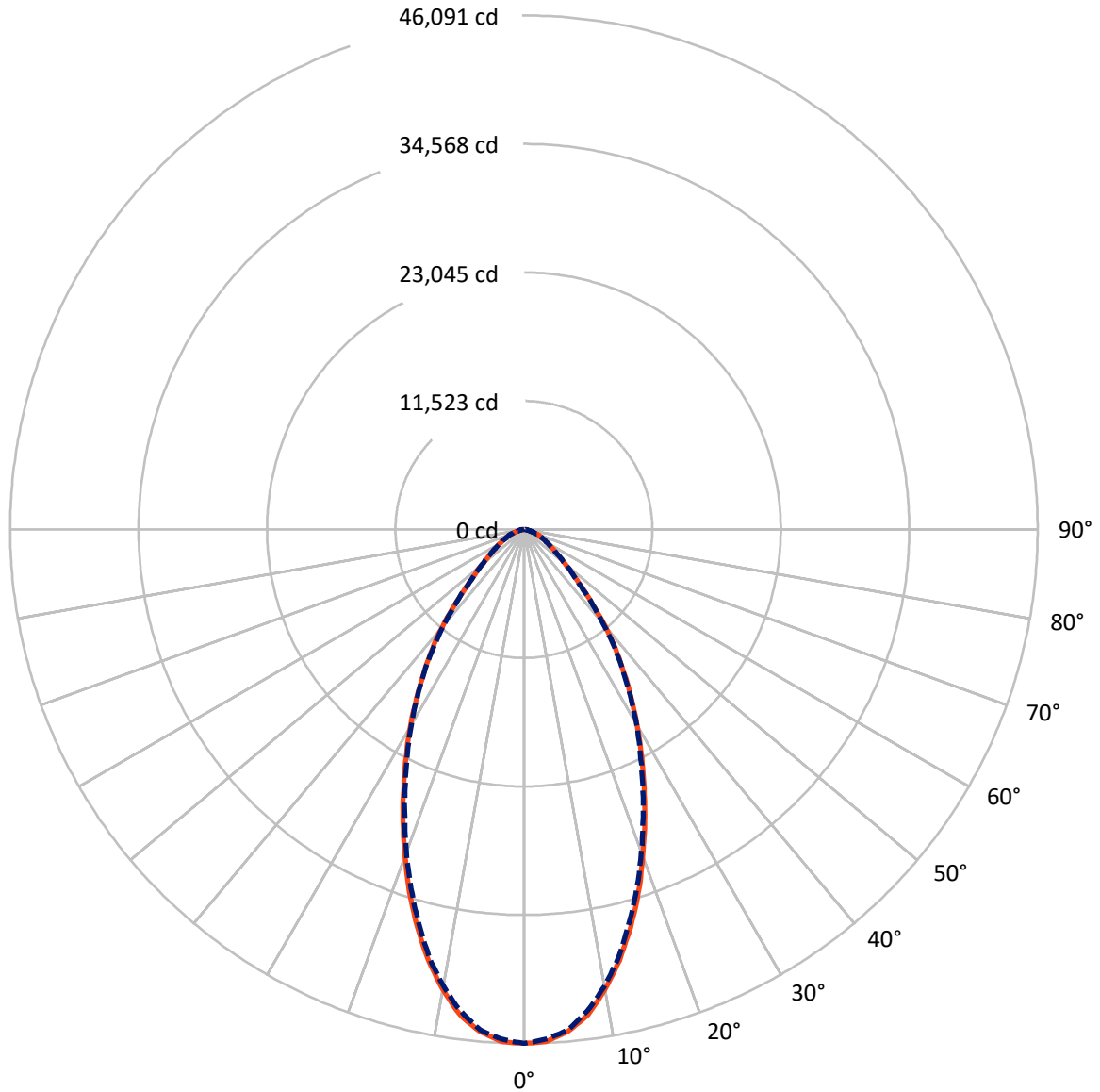
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Lumen Table

90	3.4	20.5	41.3	62.8	54.0	62.8	41.3	20.5	3.4							
80	3.4	20.5	41.3	62.8	54.0	62.8	41.3	20.5	3.4							
70	8.4	9.0	15.9	24.2	33.9	43.3	50.5	54.1	54.1	50.5	43.3	33.9	24.2	15.9	9.0	8.4
60		11.9	22.6	37.1	55.7	75.9	94.0	105.0	105.0	94.0	75.9	55.7	37.1	22.6	11.9	
50	11.3	14.9	30.3	54.7	90.8	139.2	191.7	227.4	227.4	191.7	139.2	90.8	54.7	30.3	14.9	11.3
40		17.7	39.1	78.8	151.1	267.3	388.7	464.2	464.2	388.7	267.3	151.1	78.8	39.1	17.7	
30	13.0	20.3	48.2	109.2	241.8	436.5	627.0	752.4	752.4	627.0	436.5	241.8	109.2	48.2	20.3	13.0
20		22.5	56.2	140.5	329.4	587.7	870.3	1074.6	1074.6	870.3	587.7	329.4	140.5	56.2	22.5	
10	13.7	23.6	61.0	161.1	380.3	681.7	1038.1	1304.7	1304.7	1038.1	681.7	380.3	161.1	61.0	23.6	13.7
0		23.6	61.0	161.1	380.3	681.7	1038.1	1304.7	1304.7	1038.1	681.7	380.3	161.1	61.0	23.6	
-10	13.0	22.5	56.2	140.5	329.4	587.7	870.3	1074.6	1074.6	870.3	587.7	329.4	140.5	56.2	22.5	13.0
-20		20.3	48.2	109.2	241.8	436.5	627.0	752.4	752.4	627.0	436.5	241.8	109.2	48.2	20.3	
-30	11.3	17.7	39.1	78.8	151.1	267.3	388.7	464.2	464.2	388.7	267.3	151.1	78.8	39.1	17.7	11.3
-40		14.9	30.3	54.7	90.8	139.2	191.7	227.4	227.4	191.7	139.2	90.8	54.7	30.3	14.9	
-50	8.4	11.9	22.6	37.1	55.7	75.9	94.0	105.0	105.0	94.0	75.9	55.7	37.1	22.6	11.9	8.4
-60		9.0	15.9	24.2	33.9	43.3	50.5	54.1	54.1	50.5	43.3	33.9	24.2	15.9	9.0	
-70	3.4	20.5	41.3	62.8	54.0	62.8	41.3	20.5	3.4							
-80		3.4	20.5	41.3	62.8	54.0	62.8	41.3	20.5	3.4						
-90	3.4	20.5	41.3	62.8	54.0	62.8	41.3	20.5	3.4							

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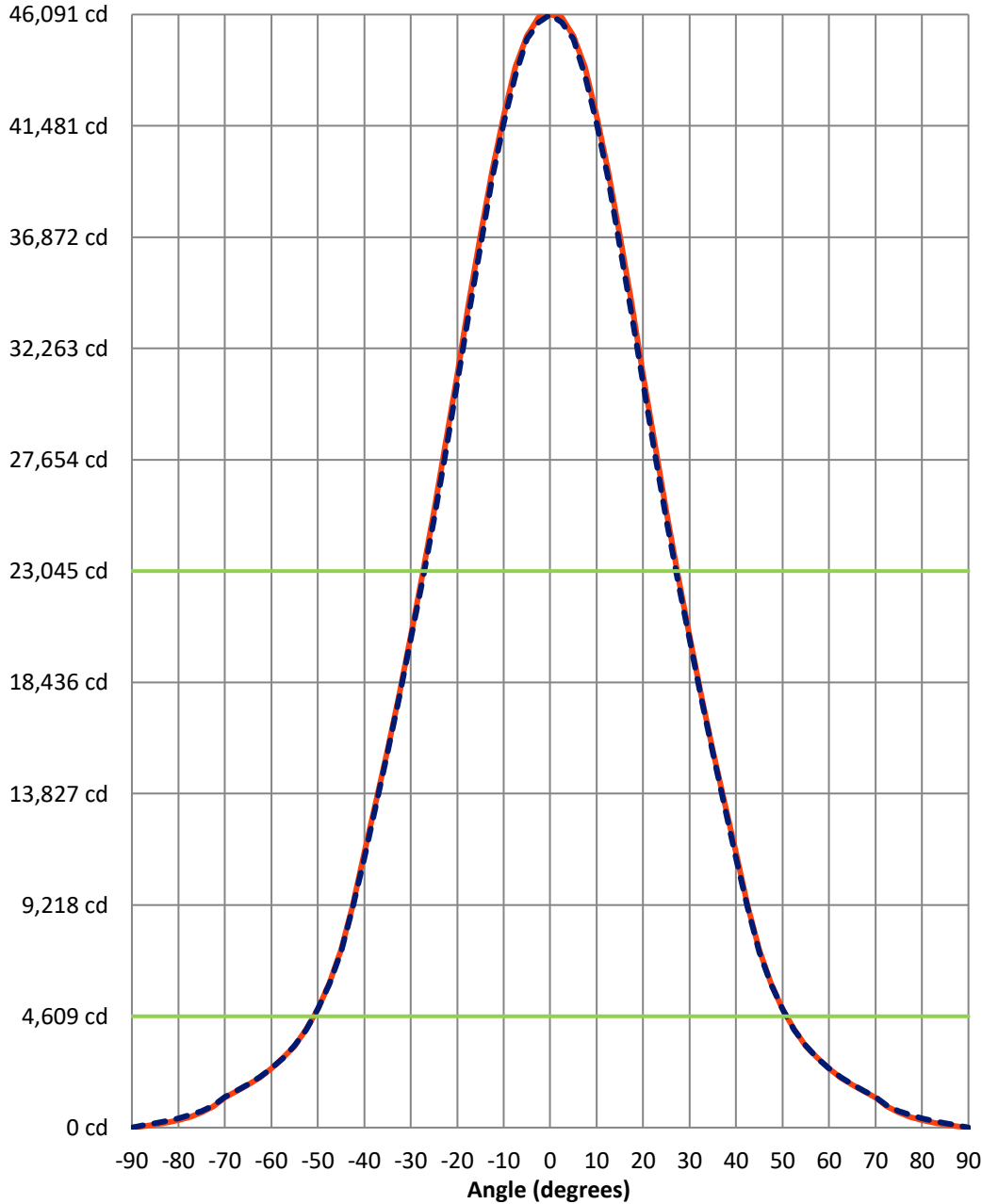
Luminous Intensity Polar Plot



— 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: 22984
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 41952.2
Efficiency: 87.8%

Spill:
Lumens: 5851.2
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	10	20	30	39	49	59	64	69	79
85°	0	10	20	34	54	79	103	118	128	142	152
82.5°	0	15	34	54	84	113	152	172	192	211	226
80°	0	20	44	74	108	152	201	226	251	275	295
77.5°	0	25	54	88	138	187	246	280	309	339	368
75°	0	30	64	108	162	216	285	329	368	408	452
72.5°	0	34	74	123	182	246	324	378	422	476	535
70°	0	39	84	142	201	275	363	422	476	540	589
67.5°	0	44	93	152	221	300	393	467	526	584	638
65°	0	44	103	162	236	324	417	506	570	629	693
62.5°	0	49	113	172	251	344	442	540	609	673	747
60°	0	54	118	182	270	363	472	575	643	722	801
57.5°	0	59	123	192	280	378	491	604	688	771	855
55°	0	64	133	201	290	398	511	634	727	815	909
52.5°	0	64	138	206	305	413	530	653	766	864	972
50°	0	69	142	211	314	427	545	678	805	914	1026
47.5°	0	74	147	216	319	437	565	702	850	963	1085
45°	0	74	152	221	329	452	580	717	879	1012	1139
42.5°	0	79	152	226	334	462	594	742	904	1061	1198
40°	0	84	157	236	344	467	609	761	933	1110	1252
37.5°	0	84	162	241	349	476	619	781	963	1144	1301
35°	0	88	167	246	354	481	624	801	987	1179	1356
32.5°	0	88	167	255	359	491	634	815	1017	1218	1405
30°	0	88	172	260	359	491	648	830	1041	1257	1454
27.5°	0	93	172	260	368	496	658	850	1066	1301	1503
25°	0	93	177	265	373	496	663	864	1095	1341	1547
22.5°	0	93	177	270	378	501	668	879	1125	1375	1596
20°	0	98	182	275	383	506	673	894	1154	1405	1635
17.5°	0	98	182	275	388	516	678	904	1179	1434	1670
15°	0	103	182	275	388	521	688	909	1203	1459	1704
12.5°	0	103	182	280	388	521	693	918	1228	1483	1729
10°	0	98	187	280	388	526	697	923	1243	1498	1753
7.5°	0	98	187	280	393	526	697	923	1257	1513	1768
5°	0	98	182	280	388	530	697	928	1277	1527	1783
2.5°	0	98	182	275	388	530	688	918	1272	1527	1793
0°	0	98	182	275	383	526	683	909	1267	1522	1793
-2.5°	0	98	182	275	388	530	688	918	1272	1527	1793
-5°	0	98	182	280	388	530	697	928	1277	1527	1783
-7.5°	0	98	187	280	393	526	697	923	1257	1513	1768
-10°	0	98	187	280	388	526	697	923	1243	1498	1753
-12.5°	0	103	182	280	388	521	693	918	1228	1483	1729
-15°	0	103	182	275	388	521	688	909	1203	1459	1704
-17.5°	0	98	182	275	388	516	678	904	1179	1434	1670
-20°	0	98	182	275	383	506	673	894	1154	1405	1635



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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	93	177	270	378	501	668	879	1125	1375	1596
-25°	0	93	177	265	373	496	663	864	1095	1341	1547
-27.5°	0	93	172	260	368	496	658	850	1066	1301	1503
-30°	0	88	172	260	359	491	648	830	1041	1257	1454
-32.5°	0	88	167	255	359	491	634	815	1017	1218	1405
-35°	0	88	167	246	354	481	624	801	987	1179	1356
-37.5°	0	84	162	241	349	476	619	781	963	1144	1301
-40°	0	84	157	236	344	467	609	761	933	1110	1252
-42.5°	0	79	152	226	334	462	594	742	904	1061	1198
-45°	0	74	152	221	329	452	580	717	879	1012	1139
-47.5°	0	74	147	216	319	437	565	702	850	963	1085
-50°	0	69	142	211	314	427	545	678	805	914	1026
-52.5°	0	64	138	206	305	413	530	653	766	864	972
-55°	0	64	133	201	290	398	511	634	727	815	909
-57.5°	0	59	123	192	280	378	491	604	688	771	855
-60°	0	54	118	182	270	363	472	575	643	722	801
-62.5°	0	49	113	172	251	344	442	540	609	673	747
-65°	0	44	103	162	236	324	417	506	570	629	693
-67.5°	0	44	93	152	221	300	393	467	526	584	638
-70°	0	39	84	142	201	275	363	422	476	540	589
-72.5°	0	34	74	123	182	246	324	378	422	476	535
-75°	0	30	64	108	162	216	285	329	368	408	452
-77.5°	0	25	54	88	138	187	246	280	309	339	368
-80°	0	20	44	74	108	152	201	226	251	275	295
-82.5°	0	15	34	54	84	113	152	172	192	211	226
-85°	0	10	20	34	54	79	103	118	128	142	152
-87.5°	0	5	10	20	30	39	49	59	64	69	79
-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°	84	88	93	93	93	88	84	79	88	98	108
85°	162	177	182	192	187	177	172	162	182	201	226
82.5°	241	255	265	275	275	265	255	241	270	300	334
80°	314	334	354	368	368	354	339	319	354	398	442
77.5°	403	427	447	467	462	457	447	437	472	516	560
75°	491	526	540	560	570	565	565	575	614	668	717
72.5°	570	594	624	658	673	683	707	737	776	820	859
70°	634	663	702	737	766	796	830	869	909	953	992
67.5°	693	737	776	820	859	904	948	992	1036	1085	1135
65°	756	805	855	904	958	1012	1066	1115	1169	1233	1287
62.5°	820	874	933	992	1056	1120	1184	1247	1321	1390	1459
60°	879	948	1017	1090	1164	1238	1306	1390	1478	1557	1645
57.5°	938	1022	1100	1184	1267	1351	1449	1542	1645	1748	1847
55°	1002	1100	1189	1282	1375	1483	1591	1709	1822	1955	2077
52.5°	1071	1174	1277	1380	1498	1616	1743	1881	2028	2181	2333
50°	1139	1252	1365	1488	1621	1758	1910	2073	2249	2426	2613
47.5°	1203	1326	1464	1596	1748	1910	2087	2284	2480	2701	2937
45°	1272	1405	1552	1714	1881	2073	2284	2500	2750	3001	3276
42.5°	1341	1483	1650	1822	2028	2244	2475	2750	3030	3340	3674
40°	1400	1562	1748	1955	2176	2416	2701	3001	3344	3713	4125
37.5°	1468	1645	1847	2073	2328	2608	2937	3286	3683	4130	4626
35°	1532	1729	1950	2195	2480	2804	3173	3580	4042	4582	5186
32.5°	1596	1812	2048	2318	2632	3001	3418	3899	4445	5063	5820
30°	1660	1886	2141	2436	2790	3207	3688	4224	4852	5633	6532
27.5°	1719	1964	2240	2564	2942	3399	3944	4582	5324	6203	7254
25°	1778	2033	2333	2681	3104	3605	4199	4901	5790	6831	8079
22.5°	1832	2102	2416	2794	3251	3806	4474	5275	6252	7411	8879
20°	1886	2171	2505	2902	3379	3988	4725	5618	6728	8094	9724
17.5°	1930	2235	2588	3015	3536	4174	4955	5962	7160	8722	10539
15°	1974	2289	2662	3114	3674	4361	5206	6262	7617	9316	11246
12.5°	2009	2333	2726	3202	3791	4518	5422	6566	8059	9876	11860
10°	2033	2372	2775	3271	3890	4646	5599	6812	8418	10333	12371
7.5°	2058	2402	2814	3325	3963	4744	5736	7003	8693	10687	12764
5°	2077	2426	2844	3364	4012	4818	5839	7126	8889	10937	13044
2.5°	2092	2446	2868	3399	4052	4896	5933	7259	9076	11148	13294
0°	2092	2451	2868	3399	4047	4911	5947	7268	9100	11143	13329
-2.5°	2092	2446	2868	3399	4052	4896	5933	7259	9076	11148	13294
-5°	2077	2426	2844	3364	4012	4818	5839	7126	8889	10937	13044
-7.5°	2058	2402	2814	3325	3963	4744	5736	7003	8693	10687	12764
-10°	2033	2372	2775	3271	3890	4646	5599	6812	8418	10333	12371
-12.5°	2009	2333	2726	3202	3791	4518	5422	6566	8059	9876	11860
-15°	1974	2289	2662	3114	3674	4361	5206	6262	7617	9316	11246
-17.5°	1930	2235	2588	3015	3536	4174	4955	5962	7160	8722	10539
-20°	1886	2171	2505	2902	3379	3988	4725	5618	6728	8094	9724



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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°	1832	2102	2416	2794	3251	3806	4474	5275	6252	7411	8879
-25°	1778	2033	2333	2681	3104	3605	4199	4901	5790	6831	8079
-27.5°	1719	1964	2240	2564	2942	3399	3944	4582	5324	6203	7254
-30°	1660	1886	2141	2436	2790	3207	3688	4224	4852	5633	6532
-32.5°	1596	1812	2048	2318	2632	3001	3418	3899	4445	5063	5820
-35°	1532	1729	1950	2195	2480	2804	3173	3580	4042	4582	5186
-37.5°	1468	1645	1847	2073	2328	2608	2937	3286	3683	4130	4626
-40°	1400	1562	1748	1955	2176	2416	2701	3001	3344	3713	4125
-42.5°	1341	1483	1650	1822	2028	2244	2475	2750	3030	3340	3674
-45°	1272	1405	1552	1714	1881	2073	2284	2500	2750	3001	3276
-47.5°	1203	1326	1464	1596	1748	1910	2087	2284	2480	2701	2937
-50°	1139	1252	1365	1488	1621	1758	1910	2073	2249	2426	2613
-52.5°	1071	1174	1277	1380	1498	1616	1743	1881	2028	2181	2333
-55°	1002	1100	1189	1282	1375	1483	1591	1709	1822	1955	2077
-57.5°	938	1022	1100	1184	1267	1351	1449	1542	1645	1748	1847
-60°	879	948	1017	1090	1164	1238	1306	1390	1478	1557	1645
-62.5°	820	874	933	992	1056	1120	1184	1247	1321	1390	1459
-65°	756	805	855	904	958	1012	1066	1115	1169	1233	1287
-67.5°	693	737	776	820	859	904	948	992	1036	1085	1135
-70°	634	663	702	737	766	796	830	869	909	953	992
-72.5°	570	594	624	658	673	683	707	737	776	820	859
-75°	491	526	540	560	570	565	565	575	614	668	717
-77.5°	403	427	447	467	462	457	447	437	472	516	560
-80°	314	334	354	368	368	354	339	319	354	398	442
-82.5°	241	255	265	275	275	265	255	241	270	300	334
-85°	162	177	182	192	187	177	172	162	182	201	226
-87.5°	84	88	93	93	93	88	84	79	88	98	108
-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°	123	123	123	123	118	123	123	128	133	118	103
85°	246	251	251	251	251	251	251	251	251	226	201
82.5°	368	383	393	408	417	417	413	408	398	359	314
80°	486	511	526	540	555	550	545	535	530	481	432
77.5°	604	634	653	668	683	688	683	683	678	634	580
75°	756	781	801	820	840	850	855	855	855	815	766
72.5°	894	923	953	982	1007	1022	1036	1046	1056	1036	1007
70°	1036	1071	1105	1139	1174	1198	1218	1238	1247	1252	1252
67.5°	1184	1228	1272	1316	1356	1390	1414	1439	1459	1478	1488
65°	1346	1405	1459	1508	1552	1596	1631	1665	1694	1719	1734
62.5°	1527	1596	1660	1724	1773	1827	1881	1930	1969	2004	2028
60°	1729	1812	1891	1969	2048	2112	2181	2240	2289	2333	2372
57.5°	1955	2058	2156	2259	2348	2431	2515	2598	2672	2731	2780
55°	2205	2333	2461	2583	2706	2819	2927	3035	3133	3212	3281
52.5°	2495	2647	2809	2961	3128	3276	3413	3561	3693	3811	3909
50°	2804	3001	3212	3408	3624	3831	4017	4204	4391	4553	4685
47.5°	3168	3403	3678	3949	4214	4494	4754	5000	5255	5471	5653
45°	3561	3890	4214	4577	4911	5289	5648	6006	6321	6635	6900
42.5°	4027	4440	4852	5319	5775	6252	6758	7210	7681	8143	8526
40°	4582	5068	5638	6198	6831	7431	8148	8781	9380	9965	10461
37.5°	5191	5834	6537	7249	8108	8953	9793	10588	11300	11954	12474
35°	5893	6704	7539	8575	9596	10628	11590	12494	13304	13967	14517
32.5°	6699	7656	8811	10014	11197	12342	13491	14385	15229	15986	16634
30°	7553	8801	10146	11492	12784	14026	15185	16261	17243	18092	18819
27.5°	8555	9999	11497	12941	14326	15666	16983	18210	19286	20180	21083
25°	9547	11202	12803	14331	15828	17326	18775	20155	21412	22508	23485
22.5°	10593	12322	14011	15632	17331	18962	20548	22120	23563	24826	25926
20°	11561	13417	15141	16948	18790	20558	22341	24040	25651	27173	28425
17.5°	12425	14316	16197	18102	20111	22115	24050	25891	27728	29501	31063
15°	13196	15180	17110	19188	21353	23509	25665	27694	29761	31726	33474
12.5°	13879	15927	17980	20190	22454	24698	27060	29417	31711	33828	35723
10°	14444	16570	18770	21059	23411	25783	28327	30945	33400	35650	37712
7.5°	14871	17056	19355	21732	24212	26751	29408	32074	34672	37089	39249
5°	15175	17380	19743	22169	24752	27404	30238	33081	35733	38233	40443
2.5°	15450	17670	20077	22409	25042	27792	30630	33577	36288	38857	41317
0°	15524	17788	20219	22616	25174	27934	30827	33705	36484	39274	41587
-2.5°	15450	17670	20077	22409	25042	27792	30630	33577	36288	38857	41317
-5°	15175	17380	19743	22169	24752	27404	30238	33081	35733	38233	40443
-7.5°	14871	17056	19355	21732	24212	26751	29408	32074	34672	37089	39249
-10°	14444	16570	18770	21059	23411	25783	28327	30945	33400	35650	37712
-12.5°	13879	15927	17980	20190	22454	24698	27060	29417	31711	33828	35723
-15°	13196	15180	17110	19188	21353	23509	25665	27694	29761	31726	33474
-17.5°	12425	14316	16197	18102	20111	22115	24050	25891	27728	29501	31063
-20°	11561	13417	15141	16948	18790	20558	22341	24040	25651	27173	28425



REPORT NUMBER: P622253
 CATALOG NUMBER: IFLD-L-SA7C-750-U-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10593	12322	14011	15632	17331	18962	20548	22120	23563	24826	25926
-25°	9547	11202	12803	14331	15828	17326	18775	20155	21412	22508	23485
-27.5°	8555	9999	11497	12941	14326	15666	16983	18210	19286	20180	21083
-30°	7553	8801	10146	11492	12784	14026	15185	16261	17243	18092	18819
-32.5°	6699	7656	8811	10014	11197	12342	13491	14385	15229	15986	16634
-35°	5893	6704	7539	8575	9596	10628	11590	12494	13304	13967	14517
-37.5°	5191	5834	6537	7249	8108	8953	9793	10588	11300	11954	12474
-40°	4582	5068	5638	6198	6831	7431	8148	8781	9380	9965	10461
-42.5°	4027	4440	4852	5319	5775	6252	6758	7210	7681	8143	8526
-45°	3561	3890	4214	4577	4911	5289	5648	6006	6321	6635	6900
-47.5°	3168	3403	3678	3949	4214	4494	4754	5000	5255	5471	5653
-50°	2804	3001	3212	3408	3624	3831	4017	4204	4391	4553	4685
-52.5°	2495	2647	2809	2961	3128	3276	3413	3561	3693	3811	3909
-55°	2205	2333	2461	2583	2706	2819	2927	3035	3133	3212	3281
-57.5°	1955	2058	2156	2259	2348	2431	2515	2598	2672	2731	2780
-60°	1729	1812	1891	1969	2048	2112	2181	2240	2289	2333	2372
-62.5°	1527	1596	1660	1724	1773	1827	1881	1930	1969	2004	2028
-65°	1346	1405	1459	1508	1552	1596	1631	1665	1694	1719	1734
-67.5°	1184	1228	1272	1316	1356	1390	1414	1439	1459	1478	1488
-70°	1036	1071	1105	1139	1174	1198	1218	1238	1247	1252	1252
-72.5°	894	923	953	982	1007	1022	1036	1046	1056	1036	1007
-75°	756	781	801	820	840	850	855	855	855	815	766
-77.5°	604	634	653	668	683	688	683	683	678	634	580
-80°	486	511	526	540	555	550	545	535	530	481	432
-82.5°	368	383	393	408	417	417	413	408	398	359	314
-85°	246	251	251	251	251	251	251	251	251	226	201
-87.5°	123	123	123	123	118	123	123	128	133	118	103
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA7C-750-U-66

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°	84	69	64	54	64	69	84	103	118	133	128
85°	172	142	138	128	138	142	172	201	226	251	251
82.5°	275	226	216	206	216	226	275	314	359	398	408
80°	388	329	319	309	319	329	388	432	481	530	535
77.5°	526	472	452	437	452	472	526	580	634	678	683
75°	712	658	643	629	643	658	712	766	815	855	855
72.5°	972	948	909	874	909	948	972	1007	1036	1056	1046
70°	1257	1267	1257	1243	1257	1267	1257	1252	1252	1247	1238
67.5°	1493	1503	1503	1508	1503	1503	1493	1488	1478	1459	1439
65°	1748	1753	1768	1773	1768	1753	1748	1734	1719	1694	1665
62.5°	2043	2058	2068	2068	2068	2058	2043	2028	2004	1969	1930
60°	2397	2416	2441	2446	2441	2416	2397	2372	2333	2289	2240
57.5°	2819	2844	2878	2888	2878	2844	2819	2780	2731	2672	2598
55°	3330	3364	3384	3374	3384	3364	3330	3281	3212	3133	3035
52.5°	3993	4052	4091	4071	4091	4052	3993	3909	3811	3693	3561
50°	4793	4867	4916	4901	4916	4867	4793	4685	4553	4391	4204
47.5°	5795	5898	5982	5987	5982	5898	5795	5653	5471	5255	5000
45°	7111	7264	7376	7357	7376	7264	7111	6900	6635	6321	6006
42.5°	8820	9032	9199	9184	9199	9032	8820	8526	8143	7681	7210
40°	10829	11089	11310	11369	11310	11089	10829	10461	9965	9380	8781
37.5°	12897	13230	13510	13481	13510	13230	12897	12474	11954	11300	10588
35°	14974	15323	15598	15622	15598	15323	14974	14517	13967	13304	12494
32.5°	17150	17538	17862	17906	17862	17538	17150	16634	15986	15229	14385
30°	19418	19885	20273	20352	20273	19885	19418	18819	18092	17243	16261
27.5°	21805	22360	22729	22871	22729	22360	21805	21083	20180	19286	18210
25°	24266	24870	25282	25513	25282	24870	24266	23485	22508	21412	20155
22.5°	26834	27551	28087	28342	28087	27551	26834	25926	24826	23563	22120
20°	29486	30267	30891	31156	30891	30267	29486	28425	27173	25651	24040
17.5°	32187	33140	33832	34171	33832	33140	32187	31063	29501	27728	25891
15°	34810	35821	36573	36936	36573	35821	34810	33474	31726	29761	27694
12.5°	37241	38311	39063	39588	39063	38311	37241	35723	33828	31711	29417
10°	39411	40580	41342	41887	41342	40580	39411	37712	35650	33400	30945
7.5°	41037	42515	43375	43910	43375	42515	41037	39249	37089	34672	32074
5°	42284	43915	44696	45202	44696	43915	42284	40443	38233	35733	33081
2.5°	43198	44485	45462	45968	45462	44485	43198	41317	38857	36288	33577
0°	43556	45069	45761	46091	45761	45069	43556	41587	39274	36484	33705
-2.5°	43198	44485	45462	45968	45462	44485	43198	41317	38857	36288	33577
-5°	42284	43915	44696	45202	44696	43915	42284	40443	38233	35733	33081
-7.5°	41037	42515	43375	43910	43375	42515	41037	39249	37089	34672	32074
-10°	39411	40580	41342	41887	41342	40580	39411	37712	35650	33400	30945
-12.5°	37241	38311	39063	39588	39063	38311	37241	35723	33828	31711	29417
-15°	34810	35821	36573	36936	36573	35821	34810	33474	31726	29761	27694
-17.5°	32187	33140	33832	34171	33832	33140	32187	31063	29501	27728	25891
-20°	29486	30267	30891	31156	30891	30267	29486	28425	27173	25651	24040



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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°	26834	27551	28087	28342	28087	27551	26834	25926	24826	23563	22120
-25°	24266	24870	25282	25513	25282	24870	24266	23485	22508	21412	20155
-27.5°	21805	22360	22729	22871	22729	22360	21805	21083	20180	19286	18210
-30°	19418	19885	20273	20352	20273	19885	19418	18819	18092	17243	16261
-32.5°	17150	17538	17862	17906	17862	17538	17150	16634	15986	15229	14385
-35°	14974	15323	15598	15622	15598	15323	14974	14517	13967	13304	12494
-37.5°	12897	13230	13510	13481	13510	13230	12897	12474	11954	11300	10588
-40°	10829	11089	11310	11369	11310	11089	10829	10461	9965	9380	8781
-42.5°	8820	9032	9199	9184	9199	9032	8820	8526	8143	7681	7210
-45°	7111	7264	7376	7357	7376	7264	7111	6900	6635	6321	6006
-47.5°	5795	5898	5982	5987	5982	5898	5795	5653	5471	5255	5000
-50°	4793	4867	4916	4901	4916	4867	4793	4685	4553	4391	4204
-52.5°	3993	4052	4091	4071	4091	4052	3993	3909	3811	3693	3561
-55°	3330	3364	3384	3374	3384	3364	3330	3281	3212	3133	3035
-57.5°	2819	2844	2878	2888	2878	2844	2819	2780	2731	2672	2598
-60°	2397	2416	2441	2446	2441	2416	2397	2372	2333	2289	2240
-62.5°	2043	2058	2068	2068	2068	2058	2043	2028	2004	1969	1930
-65°	1748	1753	1768	1773	1768	1753	1748	1734	1719	1694	1665
-67.5°	1493	1503	1503	1508	1503	1503	1493	1488	1478	1459	1439
-70°	1257	1267	1257	1243	1257	1267	1257	1252	1252	1247	1238
-72.5°	972	948	909	874	909	948	972	1007	1036	1056	1046
-75°	712	658	643	629	643	658	712	766	815	855	855
-77.5°	526	472	452	437	452	472	526	580	634	678	683
-80°	388	329	319	309	319	329	388	432	481	530	535
-82.5°	275	226	216	206	216	226	275	314	359	398	408
-85°	172	142	138	128	138	142	172	201	226	251	251
-87.5°	84	69	64	54	64	69	84	103	118	133	128
-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°	123	123	118	123	123	123	123	108	98	88	79
85°	251	251	251	251	251	251	246	226	201	182	162
82.5°	413	417	417	408	393	383	368	334	300	270	241
80°	545	550	555	540	526	511	486	442	398	354	319
77.5°	683	688	683	668	653	634	604	560	516	472	437
75°	855	850	840	820	801	781	756	717	668	614	575
72.5°	1036	1022	1007	982	953	923	894	859	820	776	737
70°	1218	1198	1174	1139	1105	1071	1036	992	953	909	869
67.5°	1414	1390	1356	1316	1272	1228	1184	1135	1085	1036	992
65°	1631	1596	1552	1508	1459	1405	1346	1287	1233	1169	1115
62.5°	1881	1827	1773	1724	1660	1596	1527	1459	1390	1321	1247
60°	2181	2112	2048	1969	1891	1812	1729	1645	1557	1478	1390
57.5°	2515	2431	2348	2259	2156	2058	1955	1847	1748	1645	1542
55°	2927	2819	2706	2583	2461	2333	2205	2077	1955	1822	1709
52.5°	3413	3276	3128	2961	2809	2647	2495	2333	2181	2028	1881
50°	4017	3831	3624	3408	3212	3001	2804	2613	2426	2249	2073
47.5°	4754	4494	4214	3949	3678	3403	3168	2937	2701	2480	2284
45°	5648	5289	4911	4577	4214	3890	3561	3276	3001	2750	2500
42.5°	6758	6252	5775	5319	4852	4440	4027	3674	3340	3030	2750
40°	8148	7431	6831	6198	5638	5068	4582	4125	3713	3344	3001
37.5°	9793	8953	8108	7249	6537	5834	5191	4626	4130	3683	3286
35°	11590	10628	9596	8575	7539	6704	5893	5186	4582	4042	3580
32.5°	13491	12342	11197	10014	8811	7656	6699	5820	5063	4445	3899
30°	15185	14026	12784	11492	10146	8801	7553	6532	5633	4852	4224
27.5°	16983	15666	14326	12941	11497	9999	8555	7254	6203	5324	4582
25°	18775	17326	15828	14331	12803	11202	9547	8079	6831	5790	4901
22.5°	20548	18962	17331	15632	14011	12322	10593	8879	7411	6252	5275
20°	22341	20558	18790	16948	15141	13417	11561	9724	8094	6728	5618
17.5°	24050	22115	20111	18102	16197	14316	12425	10539	8722	7160	5962
15°	25665	23509	21353	19188	17110	15180	13196	11246	9316	7617	6262
12.5°	27060	24698	22454	20190	17980	15927	13879	11860	9876	8059	6566
10°	28327	25783	23411	21059	18770	16570	14444	12371	10333	8418	6812
7.5°	29408	26751	24212	21732	19355	17056	14871	12764	10687	8693	7003
5°	30238	27404	24752	22169	19743	17380	15175	13044	10937	8889	7126
2.5°	30630	27792	25042	22409	20077	17670	15450	13294	11148	9076	7259
0°	30827	27934	25174	22616	20219	17788	15524	13329	11143	9100	7268
-2.5°	30630	27792	25042	22409	20077	17670	15450	13294	11148	9076	7259
-5°	30238	27404	24752	22169	19743	17380	15175	13044	10937	8889	7126
-7.5°	29408	26751	24212	21732	19355	17056	14871	12764	10687	8693	7003
-10°	28327	25783	23411	21059	18770	16570	14444	12371	10333	8418	6812
-12.5°	27060	24698	22454	20190	17980	15927	13879	11860	9876	8059	6566
-15°	25665	23509	21353	19188	17110	15180	13196	11246	9316	7617	6262
-17.5°	24050	22115	20111	18102	16197	14316	12425	10539	8722	7160	5962
-20°	22341	20558	18790	16948	15141	13417	11561	9724	8094	6728	5618



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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°	20548	18962	17331	15632	14011	12322	10593	8879	7411	6252	5275
-25°	18775	17326	15828	14331	12803	11202	9547	8079	6831	5790	4901
-27.5°	16983	15666	14326	12941	11497	9999	8555	7254	6203	5324	4582
-30°	15185	14026	12784	11492	10146	8801	7553	6532	5633	4852	4224
-32.5°	13491	12342	11197	10014	8811	7656	6699	5820	5063	4445	3899
-35°	11590	10628	9596	8575	7539	6704	5893	5186	4582	4042	3580
-37.5°	9793	8953	8108	7249	6537	5834	5191	4626	4130	3683	3286
-40°	8148	7431	6831	6198	5638	5068	4582	4125	3713	3344	3001
-42.5°	6758	6252	5775	5319	4852	4440	4027	3674	3340	3030	2750
-45°	5648	5289	4911	4577	4214	3890	3561	3276	3001	2750	2500
-47.5°	4754	4494	4214	3949	3678	3403	3168	2937	2701	2480	2284
-50°	4017	3831	3624	3408	3212	3001	2804	2613	2426	2249	2073
-52.5°	3413	3276	3128	2961	2809	2647	2495	2333	2181	2028	1881
-55°	2927	2819	2706	2583	2461	2333	2205	2077	1955	1822	1709
-57.5°	2515	2431	2348	2259	2156	2058	1955	1847	1748	1645	1542
-60°	2181	2112	2048	1969	1891	1812	1729	1645	1557	1478	1390
-62.5°	1881	1827	1773	1724	1660	1596	1527	1459	1390	1321	1247
-65°	1631	1596	1552	1508	1459	1405	1346	1287	1233	1169	1115
-67.5°	1414	1390	1356	1316	1272	1228	1184	1135	1085	1036	992
-70°	1218	1198	1174	1139	1105	1071	1036	992	953	909	869
-72.5°	1036	1022	1007	982	953	923	894	859	820	776	737
-75°	855	850	840	820	801	781	756	717	668	614	575
-77.5°	683	688	683	668	653	634	604	560	516	472	437
-80°	545	550	555	540	526	511	486	442	398	354	319
-82.5°	413	417	417	408	393	383	368	334	300	270	241
-85°	251	251	251	251	251	251	246	226	201	182	162
-87.5°	123	123	118	123	123	123	123	108	98	88	79
-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°	84	88	93	93	93	88	84	79	69	64	59
85°	172	177	187	192	182	177	162	152	142	128	118
82.5°	255	265	275	275	265	255	241	226	211	192	172
80°	339	354	368	368	354	334	314	295	275	251	226
77.5°	447	457	462	467	447	427	403	368	339	309	280
75°	565	565	570	560	540	526	491	452	408	368	329
72.5°	707	683	673	658	624	594	570	535	476	422	378
70°	830	796	766	737	702	663	634	589	540	476	422
67.5°	948	904	859	820	776	737	693	638	584	526	467
65°	1066	1012	958	904	855	805	756	693	629	570	506
62.5°	1184	1120	1056	992	933	874	820	747	673	609	540
60°	1306	1238	1164	1090	1017	948	879	801	722	643	575
57.5°	1449	1351	1267	1184	1100	1022	938	855	771	688	604
55°	1591	1483	1375	1282	1189	1100	1002	909	815	727	634
52.5°	1743	1616	1498	1380	1277	1174	1071	972	864	766	653
50°	1910	1758	1621	1488	1365	1252	1139	1026	914	805	678
47.5°	2087	1910	1748	1596	1464	1326	1203	1085	963	850	702
45°	2284	2073	1881	1714	1552	1405	1272	1139	1012	879	717
42.5°	2475	2244	2028	1822	1650	1483	1341	1198	1061	904	742
40°	2701	2416	2176	1955	1748	1562	1400	1252	1110	933	761
37.5°	2937	2608	2328	2073	1847	1645	1468	1301	1144	963	781
35°	3173	2804	2480	2195	1950	1729	1532	1356	1179	987	801
32.5°	3418	3001	2632	2318	2048	1812	1596	1405	1218	1017	815
30°	3688	3207	2790	2436	2141	1886	1660	1454	1257	1041	830
27.5°	3944	3399	2942	2564	2240	1964	1719	1503	1301	1066	850
25°	4199	3605	3104	2681	2333	2033	1778	1547	1341	1095	864
22.5°	4474	3806	3251	2794	2416	2102	1832	1596	1375	1125	879
20°	4725	3988	3379	2902	2505	2171	1886	1635	1405	1154	894
17.5°	4955	4174	3536	3015	2588	2235	1930	1670	1434	1179	904
15°	5206	4361	3674	3114	2662	2289	1974	1704	1459	1203	909
12.5°	5422	4518	3791	3202	2726	2333	2009	1729	1483	1228	918
10°	5599	4646	3890	3271	2775	2372	2033	1753	1498	1243	923
7.5°	5736	4744	3963	3325	2814	2402	2058	1768	1513	1257	923
5°	5839	4818	4012	3364	2844	2426	2077	1783	1527	1277	928
2.5°	5933	4896	4052	3399	2868	2446	2092	1793	1527	1272	918
0°	5947	4911	4047	3399	2868	2451	2092	1793	1522	1267	909
-2.5°	5933	4896	4052	3399	2868	2446	2092	1793	1527	1272	918
-5°	5839	4818	4012	3364	2844	2426	2077	1783	1527	1277	928
-7.5°	5736	4744	3963	3325	2814	2402	2058	1768	1513	1257	923
-10°	5599	4646	3890	3271	2775	2372	2033	1753	1498	1243	923
-12.5°	5422	4518	3791	3202	2726	2333	2009	1729	1483	1228	918
-15°	5206	4361	3674	3114	2662	2289	1974	1704	1459	1203	909
-17.5°	4955	4174	3536	3015	2588	2235	1930	1670	1434	1179	904
-20°	4725	3988	3379	2902	2505	2171	1886	1635	1405	1154	894



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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°	4474	3806	3251	2794	2416	2102	1832	1596	1375	1125	879
-25°	4199	3605	3104	2681	2333	2033	1778	1547	1341	1095	864
-27.5°	3944	3399	2942	2564	2240	1964	1719	1503	1301	1066	850
-30°	3688	3207	2790	2436	2141	1886	1660	1454	1257	1041	830
-32.5°	3418	3001	2632	2318	2048	1812	1596	1405	1218	1017	815
-35°	3173	2804	2480	2195	1950	1729	1532	1356	1179	987	801
-37.5°	2937	2608	2328	2073	1847	1645	1468	1301	1144	963	781
-40°	2701	2416	2176	1955	1748	1562	1400	1252	1110	933	761
-42.5°	2475	2244	2028	1822	1650	1483	1341	1198	1061	904	742
-45°	2284	2073	1881	1714	1552	1405	1272	1139	1012	879	717
-47.5°	2087	1910	1748	1596	1464	1326	1203	1085	963	850	702
-50°	1910	1758	1621	1488	1365	1252	1139	1026	914	805	678
-52.5°	1743	1616	1498	1380	1277	1174	1071	972	864	766	653
-55°	1591	1483	1375	1282	1189	1100	1002	909	815	727	634
-57.5°	1449	1351	1267	1184	1100	1022	938	855	771	688	604
-60°	1306	1238	1164	1090	1017	948	879	801	722	643	575
-62.5°	1184	1120	1056	992	933	874	820	747	673	609	540
-65°	1066	1012	958	904	855	805	756	693	629	570	506
-67.5°	948	904	859	820	776	737	693	638	584	526	467
-70°	830	796	766	737	702	663	634	589	540	476	422
-72.5°	707	683	673	658	624	594	570	535	476	422	378
-75°	565	565	570	560	540	526	491	452	408	368	329
-77.5°	447	457	462	467	447	427	403	368	339	309	280
-80°	339	354	368	368	354	334	314	295	275	251	226
-82.5°	255	265	275	275	265	255	241	226	211	192	172
-85°	172	177	187	192	182	177	162	152	142	128	118
-87.5°	84	88	93	93	93	88	84	79	69	64	59
-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°	49	39	30	20	10	5	0
85°	103	79	54	34	20	10	0
82.5°	152	113	84	54	34	15	0
80°	201	152	108	74	44	20	0
77.5°	246	187	138	88	54	25	0
75°	285	216	162	108	64	30	0
72.5°	324	246	182	123	74	34	0
70°	363	275	201	142	84	39	0
67.5°	393	300	221	152	93	44	0
65°	417	324	236	162	103	44	0
62.5°	442	344	251	172	113	49	0
60°	472	363	270	182	118	54	0
57.5°	491	378	280	192	123	59	0
55°	511	398	290	201	133	64	0
52.5°	530	413	305	206	138	64	0
50°	545	427	314	211	142	69	0
47.5°	565	437	319	216	147	74	0
45°	580	452	329	221	152	74	0
42.5°	594	462	334	226	152	79	0
40°	609	467	344	236	157	84	0
37.5°	619	476	349	241	162	84	0
35°	624	481	354	246	167	88	0
32.5°	634	491	359	255	167	88	0
30°	648	491	359	260	172	88	0
27.5°	658	496	368	260	172	93	0
25°	663	496	373	265	177	93	0
22.5°	668	501	378	270	177	93	0
20°	673	506	383	275	182	98	0
17.5°	678	516	388	275	182	98	0
15°	688	521	388	275	182	103	0
12.5°	693	521	388	280	182	103	0
10°	697	526	388	280	187	98	0
7.5°	697	526	393	280	187	98	0
5°	697	530	388	280	182	98	0
2.5°	688	530	388	275	182	98	0
0°	683	526	383	275	182	98	0
-2.5°	688	530	388	275	182	98	0
-5°	697	530	388	280	182	98	0
-7.5°	697	526	393	280	187	98	0
-10°	697	526	388	280	187	98	0
-12.5°	693	521	388	280	182	103	0
-15°	688	521	388	275	182	103	0
-17.5°	678	516	388	275	182	98	0
-20°	673	506	383	275	182	98	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	668	501	378	270	177	93	0
-25°	663	496	373	265	177	93	0
-27.5°	658	496	368	260	172	93	0
-30°	648	491	359	260	172	88	0
-32.5°	634	491	359	255	167	88	0
-35°	624	481	354	246	167	88	0
-37.5°	619	476	349	241	162	84	0
-40°	609	467	344	236	157	84	0
-42.5°	594	462	334	226	152	79	0
-45°	580	452	329	221	152	74	0
-47.5°	565	437	319	216	147	74	0
-50°	545	427	314	211	142	69	0
-52.5°	530	413	305	206	138	64	0
-55°	511	398	290	201	133	64	0
-57.5°	491	378	280	192	123	59	0
-60°	472	363	270	182	118	54	0
-62.5°	442	344	251	172	113	49	0
-65°	417	324	236	162	103	44	0
-67.5°	393	300	221	152	93	44	0
-70°	363	275	201	142	84	39	0
-72.5°	324	246	182	123	74	34	0
-75°	285	216	162	108	64	30	0
-77.5°	246	187	138	88	54	25	0
-80°	201	152	108	74	44	20	0
-82.5°	152	113	84	54	34	15	0
-85°	103	79	54	34	20	10	0
-87.5°	49	39	30	20	10	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)