

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: P622110

Luminaire Tested: **IFLD-L-SA7E-722-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622110  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-722-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

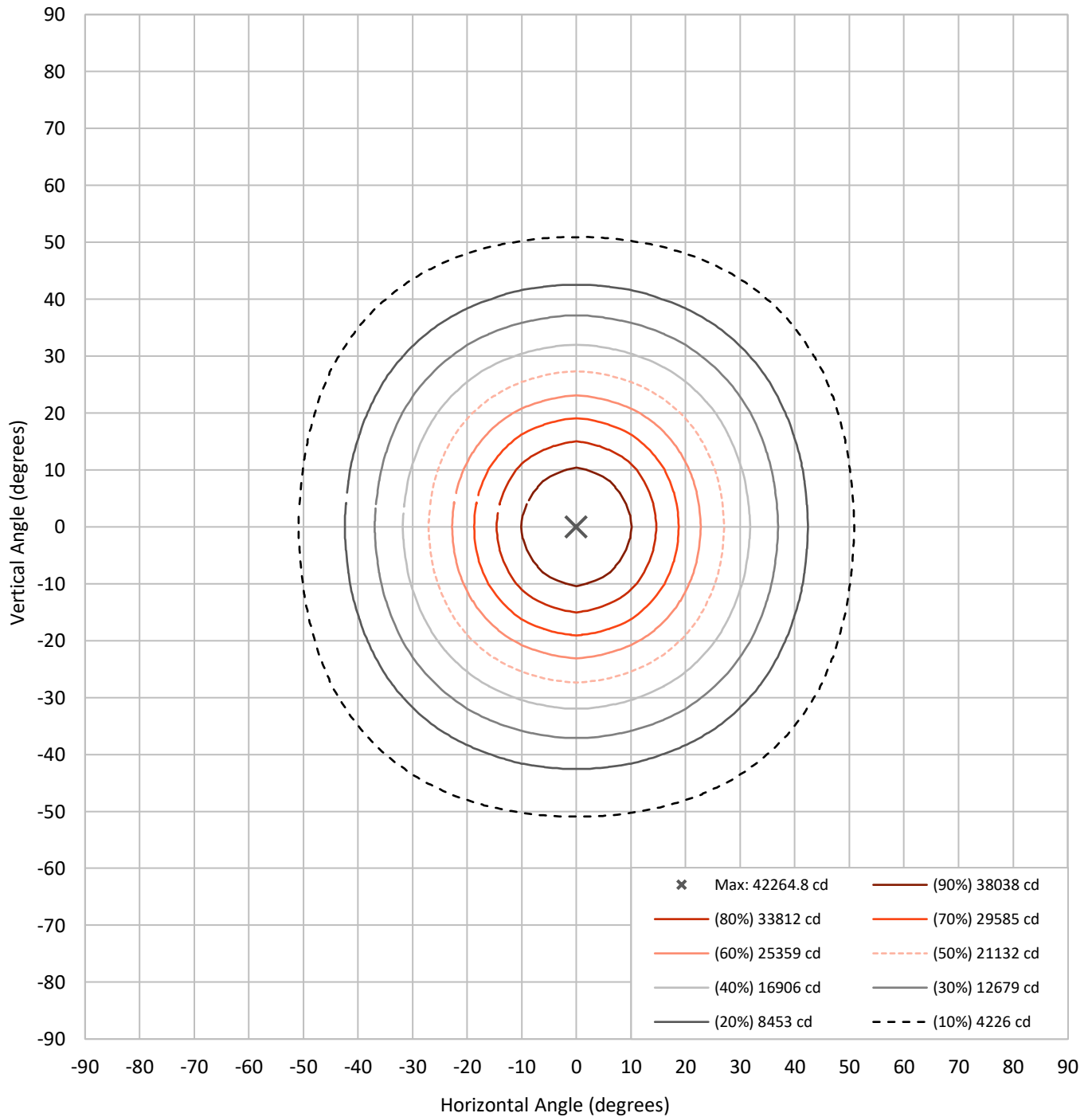
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	43835.6 lumens	Max Intensity:	42264.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.3 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	21076.3 lumens	Field Lumens:	38470 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 532.7  
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





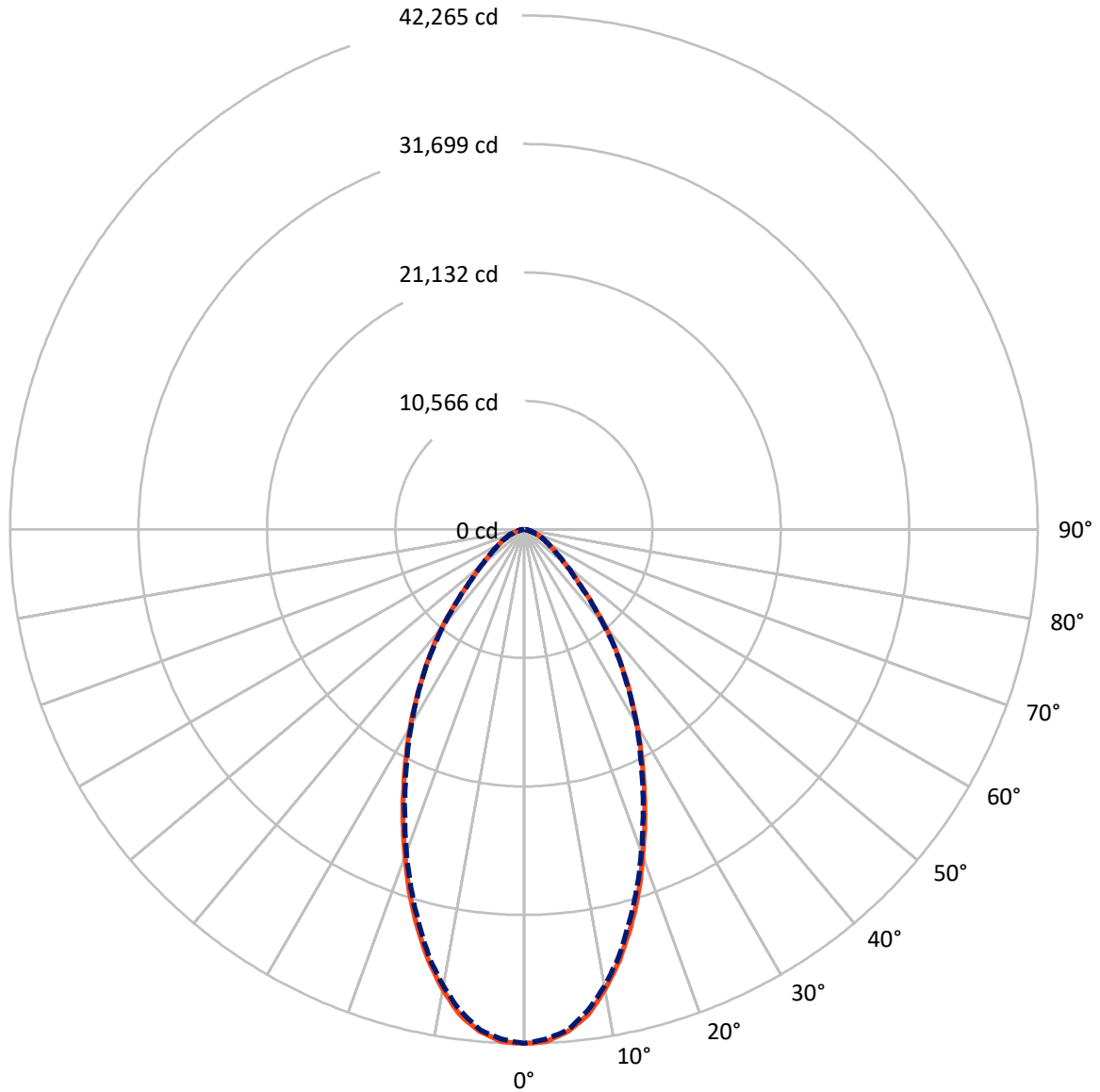
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### Lumen Table

90	3.1	18.8	37.9	57.6	49.5	57.6	37.9	18.8	3.1							
80																
70	7.7	8.2	14.6	22.2	31.1	39.7	46.3	49.6	49.6	46.3	39.7	31.1	22.2	14.6	8.2	7.7
60																
50	10.4	10.9	20.7	34.1	51.1	69.6	86.2	96.3	96.3	86.2	69.6	51.1	34.1	20.7	10.9	10.4
40																
30	12.0	13.6	27.8	50.2	83.3	127.7	175.8	208.5	208.5	175.8	127.7	83.3	50.2	27.8	13.6	12.0
20																
10	12.5	16.2	35.9	72.2	138.6	245.1	356.5	425.7	425.7	356.5	245.1	138.6	72.2	35.9	16.2	12.5
0																
-10	12.0	18.7	44.2	100.1	221.8	400.2	574.9	690.0	690.0	574.9	400.2	221.8	100.1	44.2	18.7	12.0
-20																
-30	12.5	20.6	51.6	128.8	302.1	538.9	798.1	985.4	985.4	798.1	538.9	302.1	128.8	51.6	20.6	12.5
-40																
-50	10.4	21.7	56.0	147.7	348.7	625.1	951.9	1196.4	1196.4	951.9	625.1	348.7	147.7	56.0	21.7	10.4
-60																
-70	12.0	21.7	56.0	147.7	348.7	625.1	951.9	1196.4	1196.4	951.9	625.1	348.7	147.7	56.0	21.7	12.0
-80																
-90	10.4	20.6	51.6	128.8	302.1	538.9	798.1	985.4	985.4	798.1	538.9	302.1	128.8	51.6	20.6	10.4
	7.7	18.7	44.2	100.1	221.8	400.2	574.9	690.0	690.0	574.9	400.2	221.8	100.1	44.2	18.7	7.7
	7.7	10.9	20.7	34.1	51.1	69.6	86.2	96.3	96.3	86.2	69.6	51.1	34.1	20.7	10.9	7.7
	3.1	8.2	14.6	22.2	31.1	39.7	46.3	49.6	49.6	46.3	39.7	31.1	22.2	14.6	8.2	3.1
	3.1	18.8	37.9	57.6	49.5	57.6	37.9	18.8	3.1							

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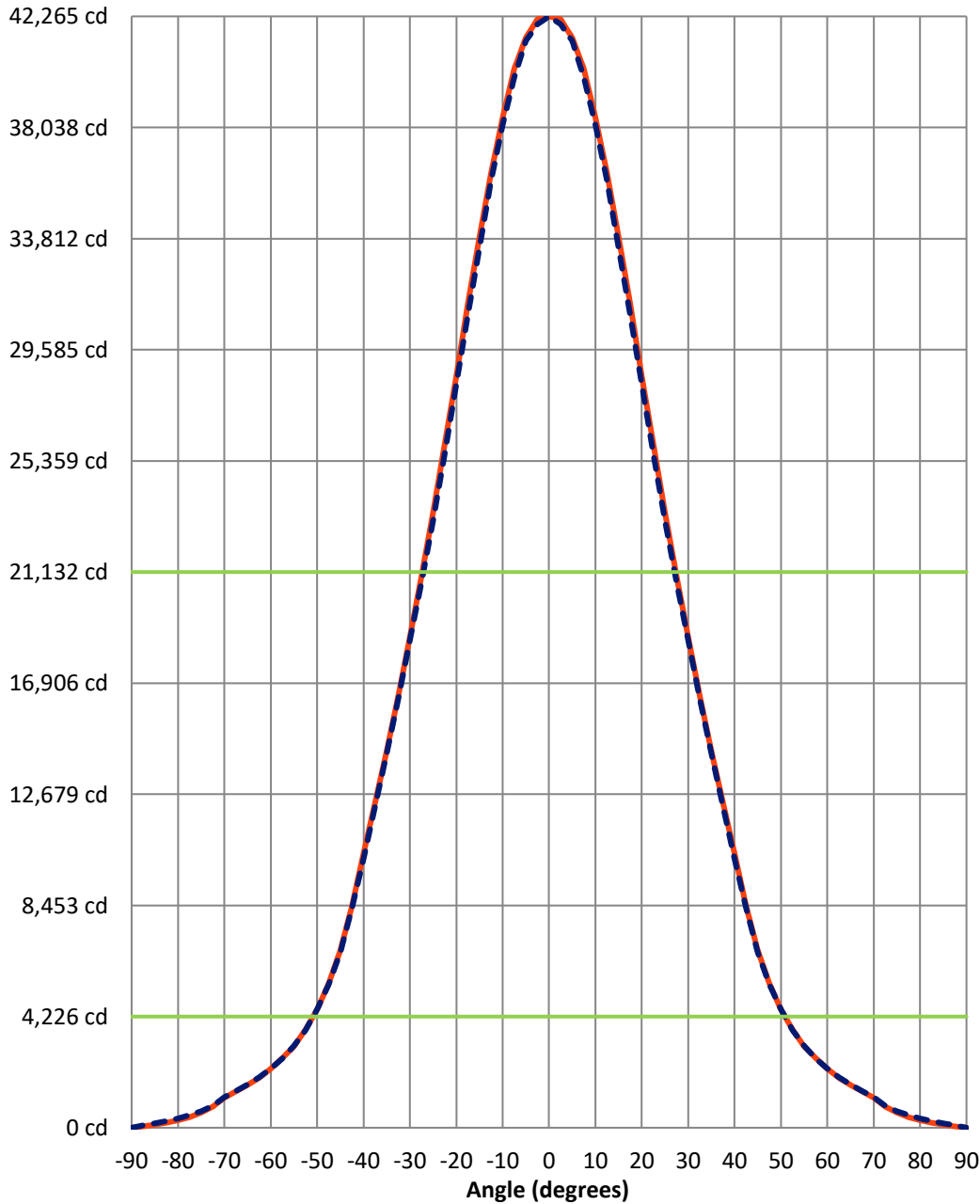
### Luminous Intensity Polar Plot



— 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: 21076.3  
 Efficiency: 48.1%

**Field:**  
 H Angle: 101.7°  
 V Angle: 101.8°  
 Lumens: 38470  
 Efficiency: 87.8%

**Spill:**  
 Lumens: 5365.5  
 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	5	9	18	27	36	45	54	59	63	72
85°	0	9	18	32	50	72	95	108	117	131	140
82.5°	0	14	32	50	77	104	140	158	176	194	207
80°	0	18	41	68	99	140	185	207	230	252	270
77.5°	0	23	50	81	126	171	225	257	284	311	338
75°	0	27	59	99	149	198	261	302	338	374	414
72.5°	0	32	68	113	167	225	297	347	387	437	491
70°	0	36	77	131	185	252	333	387	437	495	540
67.5°	0	41	86	140	203	275	360	428	482	536	585
65°	0	41	95	149	216	297	383	464	522	576	635
62.5°	0	45	104	158	230	315	405	495	558	617	685
60°	0	50	108	167	248	333	432	527	590	662	734
57.5°	0	54	113	176	257	347	450	554	631	707	784
55°	0	59	122	185	266	365	468	581	667	748	833
52.5°	0	59	126	189	279	378	486	599	703	793	892
50°	0	63	131	194	288	392	500	622	739	838	941
47.5°	0	68	135	198	293	401	518	644	779	883	995
45°	0	68	140	203	302	414	531	658	806	928	1045
42.5°	0	72	140	207	306	423	545	680	829	973	1099
40°	0	77	144	216	315	428	558	698	856	1018	1148
37.5°	0	77	149	221	320	437	567	716	883	1049	1193
35°	0	81	153	225	324	441	572	734	905	1081	1243
32.5°	0	81	153	234	329	450	581	748	932	1117	1288
30°	0	81	158	239	329	450	595	761	955	1153	1333
27.5°	0	86	158	239	338	455	604	779	977	1193	1378
25°	0	86	162	243	342	455	608	793	1004	1229	1419
22.5°	0	86	162	248	347	459	613	806	1031	1261	1464
20°	0	90	167	252	351	464	617	820	1058	1288	1500
17.5°	0	90	167	252	356	473	622	829	1081	1315	1531
15°	0	95	167	252	356	477	631	833	1103	1338	1563
12.5°	0	95	167	257	356	477	635	842	1126	1360	1585
10°	0	90	171	257	356	482	640	847	1139	1374	1608
7.5°	0	90	171	257	360	482	640	847	1153	1387	1621
5°	0	90	167	257	356	486	640	851	1171	1401	1635
2.5°	0	90	167	252	356	486	631	842	1166	1401	1644
0°	0	90	167	252	351	482	626	833	1162	1396	1644
-2.5°	0	90	167	252	356	486	631	842	1166	1401	1644
-5°	0	90	167	257	356	486	640	851	1171	1401	1635
-7.5°	0	90	171	257	360	482	640	847	1153	1387	1621
-10°	0	90	171	257	356	482	640	847	1139	1374	1608
-12.5°	0	95	167	257	356	477	635	842	1126	1360	1585
-15°	0	95	167	252	356	477	631	833	1103	1338	1563
-17.5°	0	90	167	252	356	473	622	829	1081	1315	1531
-20°	0	90	167	252	351	464	617	820	1058	1288	1500



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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	86	162	248	347	459	613	806	1031	1261	1464
-25°	0	86	162	243	342	455	608	793	1004	1229	1419
-27.5°	0	86	158	239	338	455	604	779	977	1193	1378
-30°	0	81	158	239	329	450	595	761	955	1153	1333
-32.5°	0	81	153	234	329	450	581	748	932	1117	1288
-35°	0	81	153	225	324	441	572	734	905	1081	1243
-37.5°	0	77	149	221	320	437	567	716	883	1049	1193
-40°	0	77	144	216	315	428	558	698	856	1018	1148
-42.5°	0	72	140	207	306	423	545	680	829	973	1099
-45°	0	68	140	203	302	414	531	658	806	928	1045
-47.5°	0	68	135	198	293	401	518	644	779	883	995
-50°	0	63	131	194	288	392	500	622	739	838	941
-52.5°	0	59	126	189	279	378	486	599	703	793	892
-55°	0	59	122	185	266	365	468	581	667	748	833
-57.5°	0	54	113	176	257	347	450	554	631	707	784
-60°	0	50	108	167	248	333	432	527	590	662	734
-62.5°	0	45	104	158	230	315	405	495	558	617	685
-65°	0	41	95	149	216	297	383	464	522	576	635
-67.5°	0	41	86	140	203	275	360	428	482	536	585
-70°	0	36	77	131	185	252	333	387	437	495	540
-72.5°	0	32	68	113	167	225	297	347	387	437	491
-75°	0	27	59	99	149	198	261	302	338	374	414
-77.5°	0	23	50	81	126	171	225	257	284	311	338
-80°	0	18	41	68	99	140	185	207	230	252	270
-82.5°	0	14	32	50	77	104	140	158	176	194	207
-85°	0	9	18	32	50	72	95	108	117	131	140
-87.5°	0	5	9	18	27	36	45	54	59	63	72
-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°	77	81	86	86	86	81	77	72	81	90	99
85°	149	162	167	176	171	162	158	149	167	185	207
82.5°	221	234	243	252	252	243	234	221	248	275	306
80°	288	306	324	338	338	324	311	293	324	365	405
77.5°	369	392	410	428	423	419	410	401	432	473	513
75°	450	482	495	513	522	518	518	527	563	613	658
72.5°	522	545	572	604	617	626	649	676	712	752	788
70°	581	608	644	676	703	730	761	797	833	874	910
67.5°	635	676	712	752	788	829	869	910	950	995	1040
65°	694	739	784	829	878	928	977	1022	1072	1130	1180
62.5°	752	802	856	910	968	1027	1085	1144	1211	1275	1338
60°	806	869	932	1000	1067	1135	1198	1275	1356	1428	1509
57.5°	860	937	1009	1085	1162	1238	1329	1414	1509	1603	1693
55°	919	1009	1090	1175	1261	1360	1459	1567	1671	1792	1905
52.5°	982	1076	1171	1266	1374	1482	1599	1725	1860	2000	2139
50°	1045	1148	1252	1365	1486	1612	1752	1901	2063	2225	2396
47.5°	1103	1216	1342	1464	1603	1752	1914	2094	2274	2477	2693
45°	1166	1288	1423	1572	1725	1901	2094	2292	2522	2752	3004
42.5°	1229	1360	1513	1671	1860	2058	2270	2522	2779	3062	3369
40°	1284	1432	1603	1792	1995	2216	2477	2752	3067	3405	3783
37.5°	1347	1509	1693	1901	2135	2391	2693	3013	3378	3787	4242
35°	1405	1585	1788	2013	2274	2572	2909	3283	3706	4202	4756
32.5°	1464	1662	1878	2126	2414	2752	3134	3576	4076	4643	5337
30°	1522	1729	1964	2234	2558	2941	3382	3873	4449	5165	5990
27.5°	1576	1801	2054	2351	2698	3116	3616	4202	4882	5688	6652
25°	1630	1864	2139	2459	2846	3306	3850	4494	5310	6264	7408
22.5°	1680	1928	2216	2563	2981	3490	4103	4837	5733	6796	8142
20°	1729	1991	2297	2662	3098	3657	4332	5152	6170	7422	8917
17.5°	1770	2049	2373	2765	3243	3828	4544	5467	6566	7998	9664
15°	1810	2099	2441	2855	3369	3999	4774	5742	6985	8543	10313
12.5°	1842	2139	2499	2936	3477	4143	4972	6021	7390	9056	10876
10°	1864	2175	2544	2999	3567	4260	5134	6246	7719	9475	11344
7.5°	1887	2202	2581	3049	3634	4350	5260	6422	7971	9800	11704
5°	1905	2225	2608	3085	3679	4418	5355	6535	8151	10029	11961
2.5°	1919	2243	2630	3116	3715	4490	5440	6656	8322	10223	12191
0°	1919	2247	2630	3116	3711	4503	5454	6665	8345	10218	12222
-2.5°	1919	2243	2630	3116	3715	4490	5440	6656	8322	10223	12191
-5°	1905	2225	2608	3085	3679	4418	5355	6535	8151	10029	11961
-7.5°	1887	2202	2581	3049	3634	4350	5260	6422	7971	9800	11704
-10°	1864	2175	2544	2999	3567	4260	5134	6246	7719	9475	11344
-12.5°	1842	2139	2499	2936	3477	4143	4972	6021	7390	9056	10876
-15°	1810	2099	2441	2855	3369	3999	4774	5742	6985	8543	10313
-17.5°	1770	2049	2373	2765	3243	3828	4544	5467	6566	7998	9664
-20°	1729	1991	2297	2662	3098	3657	4332	5152	6170	7422	8917



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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°	1680	1928	2216	2563	2981	3490	4103	4837	5733	6796	8142
-25°	1630	1864	2139	2459	2846	3306	3850	4494	5310	6264	7408
-27.5°	1576	1801	2054	2351	2698	3116	3616	4202	4882	5688	6652
-30°	1522	1729	1964	2234	2558	2941	3382	3873	4449	5165	5990
-32.5°	1464	1662	1878	2126	2414	2752	3134	3576	4076	4643	5337
-35°	1405	1585	1788	2013	2274	2572	2909	3283	3706	4202	4756
-37.5°	1347	1509	1693	1901	2135	2391	2693	3013	3378	3787	4242
-40°	1284	1432	1603	1792	1995	2216	2477	2752	3067	3405	3783
-42.5°	1229	1360	1513	1671	1860	2058	2270	2522	2779	3062	3369
-45°	1166	1288	1423	1572	1725	1901	2094	2292	2522	2752	3004
-47.5°	1103	1216	1342	1464	1603	1752	1914	2094	2274	2477	2693
-50°	1045	1148	1252	1365	1486	1612	1752	1901	2063	2225	2396
-52.5°	982	1076	1171	1266	1374	1482	1599	1725	1860	2000	2139
-55°	919	1009	1090	1175	1261	1360	1459	1567	1671	1792	1905
-57.5°	860	937	1009	1085	1162	1238	1329	1414	1509	1603	1693
-60°	806	869	932	1000	1067	1135	1198	1275	1356	1428	1509
-62.5°	752	802	856	910	968	1027	1085	1144	1211	1275	1338
-65°	694	739	784	829	878	928	977	1022	1072	1130	1180
-67.5°	635	676	712	752	788	829	869	910	950	995	1040
-70°	581	608	644	676	703	730	761	797	833	874	910
-72.5°	522	545	572	604	617	626	649	676	712	752	788
-75°	450	482	495	513	522	518	518	527	563	613	658
-77.5°	369	392	410	428	423	419	410	401	432	473	513
-80°	288	306	324	338	338	324	311	293	324	365	405
-82.5°	221	234	243	252	252	243	234	221	248	275	306
-85°	149	162	167	176	171	162	158	149	167	185	207
-87.5°	77	81	86	86	86	81	77	72	81	90	99
-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°	113	113	113	113	108	113	113	117	122	108	95
85°	225	230	230	230	230	230	230	230	230	207	185
82.5°	338	351	360	374	383	383	378	374	365	329	288
80°	446	468	482	495	509	504	500	491	486	441	396
77.5°	554	581	599	613	626	631	626	626	622	581	531
75°	694	716	734	752	770	779	784	784	784	748	703
72.5°	820	847	874	901	923	937	950	959	968	950	923
70°	950	982	1013	1045	1076	1099	1117	1135	1144	1148	1148
67.5°	1085	1126	1166	1207	1243	1275	1297	1320	1338	1356	1365
65°	1234	1288	1338	1383	1423	1464	1495	1527	1554	1576	1590
62.5°	1401	1464	1522	1581	1626	1675	1725	1770	1806	1837	1860
60°	1585	1662	1734	1806	1878	1937	2000	2054	2099	2139	2175
57.5°	1792	1887	1977	2072	2153	2229	2306	2382	2450	2504	2549
55°	2022	2139	2256	2369	2481	2585	2684	2783	2873	2945	3008
52.5°	2288	2427	2576	2716	2869	3004	3130	3265	3387	3495	3585
50°	2572	2752	2945	3125	3324	3513	3684	3855	4026	4175	4296
47.5°	2905	3121	3373	3621	3864	4121	4359	4585	4819	5017	5184
45°	3265	3567	3864	4197	4503	4850	5179	5508	5796	6084	6327
42.5°	3693	4071	4449	4877	5296	5733	6197	6611	7043	7467	7818
40°	4202	4648	5170	5683	6264	6814	7471	8052	8602	9138	9592
37.5°	4760	5350	5994	6647	7435	8210	8980	9709	10362	10961	11439
35°	5404	6147	6913	7863	8800	9745	10628	11457	12200	12808	13312
32.5°	6143	7021	8079	9183	10268	11317	12371	13191	13965	14659	15253
30°	6926	8070	9304	10538	11723	12862	13925	14911	15812	16591	17257
27.5°	7845	9169	10543	11867	13137	14366	15573	16699	17685	18505	19333
25°	8755	10272	11741	13141	14515	15888	17217	18482	19635	20639	21536
22.5°	9714	11299	12848	14335	15893	17388	18842	20284	21608	22765	23774
20°	10601	12303	13884	15541	17230	18851	20486	22044	23522	24918	26066
17.5°	11394	13128	14852	16600	18442	20279	22053	23742	25426	27052	28484
15°	12101	13920	15690	17595	19581	21558	23535	25395	27291	29092	30696
12.5°	12727	14605	16487	18514	20590	22648	24814	26976	29079	31020	32758
10°	13245	15195	17212	19311	21468	23643	25976	28376	30628	32691	34582
7.5°	13636	15640	17748	19928	22202	24530	26967	29412	31794	34010	35992
5°	13916	15938	18104	20329	22697	25129	27728	30335	32767	35059	37086
2.5°	14168	16203	18410	20549	22963	25485	28088	30790	33276	35631	37887
0°	14235	16312	18541	20738	23085	25616	28268	30907	33456	36014	38135
-2.5°	14168	16203	18410	20549	22963	25485	28088	30790	33276	35631	37887
-5°	13916	15938	18104	20329	22697	25129	27728	30335	32767	35059	37086
-7.5°	13636	15640	17748	19928	22202	24530	26967	29412	31794	34010	35992
-10°	13245	15195	17212	19311	21468	23643	25976	28376	30628	32691	34582
-12.5°	12727	14605	16487	18514	20590	22648	24814	26976	29079	31020	32758
-15°	12101	13920	15690	17595	19581	21558	23535	25395	27291	29092	30696
-17.5°	11394	13128	14852	16600	18442	20279	22053	23742	25426	27052	28484
-20°	10601	12303	13884	15541	17230	18851	20486	22044	23522	24918	26066



REPORT NUMBER: P622110  
 CATALOG NUMBER: IFLD-L-SA7E-722-U-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9714	11299	12848	14335	15893	17388	18842	20284	21608	22765	23774
-25°	8755	10272	11741	13141	14515	15888	17217	18482	19635	20639	21536
-27.5°	7845	9169	10543	11867	13137	14366	15573	16699	17685	18505	19333
-30°	6926	8070	9304	10538	11723	12862	13925	14911	15812	16591	17257
-32.5°	6143	7021	8079	9183	10268	11317	12371	13191	13965	14659	15253
-35°	5404	6147	6913	7863	8800	9745	10628	11457	12200	12808	13312
-37.5°	4760	5350	5994	6647	7435	8210	8980	9709	10362	10961	11439
-40°	4202	4648	5170	5683	6264	6814	7471	8052	8602	9138	9592
-42.5°	3693	4071	4449	4877	5296	5733	6197	6611	7043	7467	7818
-45°	3265	3567	3864	4197	4503	4850	5179	5508	5796	6084	6327
-47.5°	2905	3121	3373	3621	3864	4121	4359	4585	4819	5017	5184
-50°	2572	2752	2945	3125	3324	3513	3684	3855	4026	4175	4296
-52.5°	2288	2427	2576	2716	2869	3004	3130	3265	3387	3495	3585
-55°	2022	2139	2256	2369	2481	2585	2684	2783	2873	2945	3008
-57.5°	1792	1887	1977	2072	2153	2229	2306	2382	2450	2504	2549
-60°	1585	1662	1734	1806	1878	1937	2000	2054	2099	2139	2175
-62.5°	1401	1464	1522	1581	1626	1675	1725	1770	1806	1837	1860
-65°	1234	1288	1338	1383	1423	1464	1495	1527	1554	1576	1590
-67.5°	1085	1126	1166	1207	1243	1275	1297	1320	1338	1356	1365
-70°	950	982	1013	1045	1076	1099	1117	1135	1144	1148	1148
-72.5°	820	847	874	901	923	937	950	959	968	950	923
-75°	694	716	734	752	770	779	784	784	784	748	703
-77.5°	554	581	599	613	626	631	626	626	622	581	531
-80°	446	468	482	495	509	504	500	491	486	441	396
-82.5°	338	351	360	374	383	383	378	374	365	329	288
-85°	225	230	230	230	230	230	230	230	230	207	185
-87.5°	113	113	113	113	108	113	113	117	122	108	95
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA7E-722-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°	77	63	59	50	59	63	77	95	108	122	117
85°	158	131	126	117	126	131	158	185	207	230	230
82.5°	252	207	198	189	198	207	252	288	329	365	374
80°	356	302	293	284	293	302	356	396	441	486	491
77.5°	482	432	414	401	414	432	482	531	581	622	626
75°	653	604	590	576	590	604	653	703	748	784	784
72.5°	892	869	833	802	833	869	892	923	950	968	959
70°	1153	1162	1153	1139	1153	1162	1153	1148	1148	1144	1135
67.5°	1369	1378	1378	1383	1378	1378	1369	1365	1356	1338	1320
65°	1603	1608	1621	1626	1621	1608	1603	1590	1576	1554	1527
62.5°	1873	1887	1896	1896	1896	1887	1873	1860	1837	1806	1770
60°	2198	2216	2238	2243	2238	2216	2198	2175	2139	2099	2054
57.5°	2585	2608	2639	2648	2639	2608	2585	2549	2504	2450	2382
55°	3053	3085	3103	3094	3103	3085	3053	3008	2945	2873	2783
52.5°	3661	3715	3751	3733	3751	3715	3661	3585	3495	3387	3265
50°	4395	4463	4508	4494	4508	4463	4395	4296	4175	4026	3855
47.5°	5314	5409	5485	5490	5485	5409	5314	5184	5017	4819	4585
45°	6521	6661	6764	6746	6764	6661	6521	6327	6084	5796	5508
42.5°	8088	8282	8435	8421	8435	8282	8088	7818	7467	7043	6611
40°	9930	10169	10371	10426	10371	10169	9930	9592	9138	8602	8052
37.5°	11826	12132	12389	12362	12389	12132	11826	11439	10961	10362	9709
35°	13731	14051	14303	14325	14303	14051	13731	13312	12808	12200	11457
32.5°	15726	16082	16379	16420	16379	16082	15726	15253	14659	13965	13191
30°	17807	18234	18590	18662	18590	18234	17807	17257	16591	15812	14911
27.5°	19995	20504	20842	20973	20842	20504	19995	19333	18505	17685	16699
25°	22252	22805	23184	23395	23184	22805	22252	21536	20639	19635	18482
22.5°	24607	25264	25755	25989	25755	25264	24607	23774	22765	21608	20284
20°	27039	27755	28327	28570	28327	27755	27039	26066	24918	23522	22044
17.5°	29516	30389	31024	31335	31024	30389	29516	28484	27052	25426	23742
15°	31920	32848	33537	33870	33537	32848	31920	30696	29092	27291	25395
12.5°	34150	35131	35820	36302	35820	35131	34150	32758	31020	29079	26976
10°	36140	37212	37910	38410	37910	37212	36140	34582	32691	30628	28376
7.5°	37631	38986	39774	40265	39774	38986	37631	35992	34010	31794	29412
5°	38775	40270	40986	41450	40986	40270	38775	37086	35059	32767	30335
2.5°	39612	40792	41688	42152	41688	40792	39612	37887	35631	33276	30790
0°	39941	41328	41963	42265	41963	41328	39941	38135	36014	33456	30907
-2.5°	39612	40792	41688	42152	41688	40792	39612	37887	35631	33276	30790
-5°	38775	40270	40986	41450	40986	40270	38775	37086	35059	32767	30335
-7.5°	37631	38986	39774	40265	39774	38986	37631	35992	34010	31794	29412
-10°	36140	37212	37910	38410	37910	37212	36140	34582	32691	30628	28376
-12.5°	34150	35131	35820	36302	35820	35131	34150	32758	31020	29079	26976
-15°	31920	32848	33537	33870	33537	32848	31920	30696	29092	27291	25395
-17.5°	29516	30389	31024	31335	31024	30389	29516	28484	27052	25426	23742
-20°	27039	27755	28327	28570	28327	27755	27039	26066	24918	23522	22044



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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°	24607	25264	25755	25989	25755	25264	24607	23774	22765	21608	20284
-25°	22252	22805	23184	23395	23184	22805	22252	21536	20639	19635	18482
-27.5°	19995	20504	20842	20973	20842	20504	19995	19333	18505	17685	16699
-30°	17807	18234	18590	18662	18590	18234	17807	17257	16591	15812	14911
-32.5°	15726	16082	16379	16420	16379	16082	15726	15253	14659	13965	13191
-35°	13731	14051	14303	14325	14303	14051	13731	13312	12808	12200	11457
-37.5°	11826	12132	12389	12362	12389	12132	11826	11439	10961	10362	9709
-40°	9930	10169	10371	10426	10371	10169	9930	9592	9138	8602	8052
-42.5°	8088	8282	8435	8421	8435	8282	8088	7818	7467	7043	6611
-45°	6521	6661	6764	6746	6764	6661	6521	6327	6084	5796	5508
-47.5°	5314	5409	5485	5490	5485	5409	5314	5184	5017	4819	4585
-50°	4395	4463	4508	4494	4508	4463	4395	4296	4175	4026	3855
-52.5°	3661	3715	3751	3733	3751	3715	3661	3585	3495	3387	3265
-55°	3053	3085	3103	3094	3103	3085	3053	3008	2945	2873	2783
-57.5°	2585	2608	2639	2648	2639	2608	2585	2549	2504	2450	2382
-60°	2198	2216	2238	2243	2238	2216	2198	2175	2139	2099	2054
-62.5°	1873	1887	1896	1896	1896	1887	1873	1860	1837	1806	1770
-65°	1603	1608	1621	1626	1621	1608	1603	1590	1576	1554	1527
-67.5°	1369	1378	1378	1383	1378	1378	1369	1365	1356	1338	1320
-70°	1153	1162	1153	1139	1153	1162	1153	1148	1148	1144	1135
-72.5°	892	869	833	802	833	869	892	923	950	968	959
-75°	653	604	590	576	590	604	653	703	748	784	784
-77.5°	482	432	414	401	414	432	482	531	581	622	626
-80°	356	302	293	284	293	302	356	396	441	486	491
-82.5°	252	207	198	189	198	207	252	288	329	365	374
-85°	158	131	126	117	126	131	158	185	207	230	230
-87.5°	77	63	59	50	59	63	77	95	108	122	117
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622110  
 CATALOG NUMBER: IFLD-L-SA7E-722-U-66

**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°	113	113	108	113	113	113	113	99	90	81	72
85°	230	230	230	230	230	230	225	207	185	167	149
82.5°	378	383	383	374	360	351	338	306	275	248	221
80°	500	504	509	495	482	468	446	405	365	324	293
77.5°	626	631	626	613	599	581	554	513	473	432	401
75°	784	779	770	752	734	716	694	658	613	563	527
72.5°	950	937	923	901	874	847	820	788	752	712	676
70°	1117	1099	1076	1045	1013	982	950	910	874	833	797
67.5°	1297	1275	1243	1207	1166	1126	1085	1040	995	950	910
65°	1495	1464	1423	1383	1338	1288	1234	1180	1130	1072	1022
62.5°	1725	1675	1626	1581	1522	1464	1401	1338	1275	1211	1144
60°	2000	1937	1878	1806	1734	1662	1585	1509	1428	1356	1275
57.5°	2306	2229	2153	2072	1977	1887	1792	1693	1603	1509	1414
55°	2684	2585	2481	2369	2256	2139	2022	1905	1792	1671	1567
52.5°	3130	3004	2869	2716	2576	2427	2288	2139	2000	1860	1725
50°	3684	3513	3324	3125	2945	2752	2572	2396	2225	2063	1901
47.5°	4359	4121	3864	3621	3373	3121	2905	2693	2477	2274	2094
45°	5179	4850	4503	4197	3864	3567	3265	3004	2752	2522	2292
42.5°	6197	5733	5296	4877	4449	4071	3693	3369	3062	2779	2522
40°	7471	6814	6264	5683	5170	4648	4202	3783	3405	3067	2752
37.5°	8980	8210	7435	6647	5994	5350	4760	4242	3787	3378	3013
35°	10628	9745	8800	7863	6913	6147	5404	4756	4202	3706	3283
32.5°	12371	11317	10268	9183	8079	7021	6143	5337	4643	4076	3576
30°	13925	12862	11723	10538	9304	8070	6926	5990	5165	4449	3873
27.5°	15573	14366	13137	11867	10543	9169	7845	6652	5688	4882	4202
25°	17217	15888	14515	13141	11741	10272	8755	7408	6264	5310	4494
22.5°	18842	17388	15893	14335	12848	11299	9714	8142	6796	5733	4837
20°	20486	18851	17230	15541	13884	12303	10601	8917	7422	6170	5152
17.5°	22053	20279	18442	16600	14852	13128	11394	9664	7998	6566	5467
15°	23535	21558	19581	17595	15690	13920	12101	10313	8543	6985	5742
12.5°	24814	22648	20590	18514	16487	14605	12727	10876	9056	7390	6021
10°	25976	23643	21468	19311	17212	15195	13245	11344	9475	7719	6246
7.5°	26967	24530	22202	19928	17748	15640	13636	11704	9800	7971	6422
5°	27728	25129	22697	20329	18104	15938	13916	11961	10029	8151	6535
2.5°	28088	25485	22963	20549	18410	16203	14168	12191	10223	8322	6656
0°	28268	25616	23085	20738	18541	16312	14235	12222	10218	8345	6665
-2.5°	28088	25485	22963	20549	18410	16203	14168	12191	10223	8322	6656
-5°	27728	25129	22697	20329	18104	15938	13916	11961	10029	8151	6535
-7.5°	26967	24530	22202	19928	17748	15640	13636	11704	9800	7971	6422
-10°	25976	23643	21468	19311	17212	15195	13245	11344	9475	7719	6246
-12.5°	24814	22648	20590	18514	16487	14605	12727	10876	9056	7390	6021
-15°	23535	21558	19581	17595	15690	13920	12101	10313	8543	6985	5742
-17.5°	22053	20279	18442	16600	14852	13128	11394	9664	7998	6566	5467
-20°	20486	18851	17230	15541	13884	12303	10601	8917	7422	6170	5152





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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°	18842	17388	15893	14335	12848	11299	9714	8142	6796	5733	4837
-25°	17217	15888	14515	13141	11741	10272	8755	7408	6264	5310	4494
-27.5°	15573	14366	13137	11867	10543	9169	7845	6652	5688	4882	4202
-30°	13925	12862	11723	10538	9304	8070	6926	5990	5165	4449	3873
-32.5°	12371	11317	10268	9183	8079	7021	6143	5337	4643	4076	3576
-35°	10628	9745	8800	7863	6913	6147	5404	4756	4202	3706	3283
-37.5°	8980	8210	7435	6647	5994	5350	4760	4242	3787	3378	3013
-40°	7471	6814	6264	5683	5170	4648	4202	3783	3405	3067	2752
-42.5°	6197	5733	5296	4877	4449	4071	3693	3369	3062	2779	2522
-45°	5179	4850	4503	4197	3864	3567	3265	3004	2752	2522	2292
-47.5°	4359	4121	3864	3621	3373	3121	2905	2693	2477	2274	2094
-50°	3684	3513	3324	3125	2945	2752	2572	2396	2225	2063	1901
-52.5°	3130	3004	2869	2716	2576	2427	2288	2139	2000	1860	1725
-55°	2684	2585	2481	2369	2256	2139	2022	1905	1792	1671	1567
-57.5°	2306	2229	2153	2072	1977	1887	1792	1693	1603	1509	1414
-60°	2000	1937	1878	1806	1734	1662	1585	1509	1428	1356	1275
-62.5°	1725	1675	1626	1581	1522	1464	1401	1338	1275	1211	1144
-65°	1495	1464	1423	1383	1338	1288	1234	1180	1130	1072	1022
-67.5°	1297	1275	1243	1207	1166	1126	1085	1040	995	950	910
-70°	1117	1099	1076	1045	1013	982	950	910	874	833	797
-72.5°	950	937	923	901	874	847	820	788	752	712	676
-75°	784	779	770	752	734	716	694	658	613	563	527
-77.5°	626	631	626	613	599	581	554	513	473	432	401
-80°	500	504	509	495	482	468	446	405	365	324	293
-82.5°	378	383	383	374	360	351	338	306	275	248	221
-85°	230	230	230	230	230	230	225	207	185	167	149
-87.5°	113	113	108	113	113	113	113	99	90	81	72
-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°	77	81	86	86	86	81	77	72	63	59	54
85°	158	162	171	176	167	162	149	140	131	117	108
82.5°	234	243	252	252	243	234	221	207	194	176	158
80°	311	324	338	338	324	306	288	270	252	230	207
77.5°	410	419	423	428	410	392	369	338	311	284	257
75°	518	518	522	513	495	482	450	414	374	338	302
72.5°	649	626	617	604	572	545	522	491	437	387	347
70°	761	730	703	676	644	608	581	540	495	437	387
67.5°	869	829	788	752	712	676	635	585	536	482	428
65°	977	928	878	829	784	739	694	635	576	522	464
62.5°	1085	1027	968	910	856	802	752	685	617	558	495
60°	1198	1135	1067	1000	932	869	806	734	662	590	527
57.5°	1329	1238	1162	1085	1009	937	860	784	707	631	554
55°	1459	1360	1261	1175	1090	1009	919	833	748	667	581
52.5°	1599	1482	1374	1266	1171	1076	982	892	793	703	599
50°	1752	1612	1486	1365	1252	1148	1045	941	838	739	622
47.5°	1914	1752	1603	1464	1342	1216	1103	995	883	779	644
45°	2094	1901	1725	1572	1423	1288	1166	1045	928	806	658
42.5°	2270	2058	1860	1671	1513	1360	1229	1099	973	829	680
40°	2477	2216	1995	1792	1603	1432	1284	1148	1018	856	698
37.5°	2693	2391	2135	1901	1693	1509	1347	1193	1049	883	716
35°	2909	2572	2274	2013	1788	1585	1405	1243	1081	905	734
32.5°	3134	2752	2414	2126	1878	1662	1464	1288	1117	932	748
30°	3382	2941	2558	2234	1964	1729	1522	1333	1153	955	761
27.5°	3616	3116	2698	2351	2054	1801	1576	1378	1193	977	779
25°	3850	3306	2846	2459	2139	1864	1630	1419	1229	1004	793
22.5°	4103	3490	2981	2563	2216	1928	1680	1464	1261	1031	806
20°	4332	3657	3098	2662	2297	1991	1729	1500	1288	1058	820
17.5°	4544	3828	3243	2765	2373	2049	1770	1531	1315	1081	829
15°	4774	3999	3369	2855	2441	2099	1810	1563	1338	1103	833
12.5°	4972	4143	3477	2936	2499	2139	1842	1585	1360	1126	842
10°	5134	4260	3567	2999	2544	2175	1864	1608	1374	1139	847
7.5°	5260	4350	3634	3049	2581	2202	1887	1621	1387	1153	847
5°	5355	4418	3679	3085	2608	2225	1905	1635	1401	1171	851
2.5°	5440	4490	3715	3116	2630	2243	1919	1644	1401	1166	842
0°	5454	4503	3711	3116	2630	2247	1919	1644	1396	1162	833
-2.5°	5440	4490	3715	3116	2630	2243	1919	1644	1401	1166	842
-5°	5355	4418	3679	3085	2608	2225	1905	1635	1401	1171	851
-7.5°	5260	4350	3634	3049	2581	2202	1887	1621	1387	1153	847
-10°	5134	4260	3567	2999	2544	2175	1864	1608	1374	1139	847
-12.5°	4972	4143	3477	2936	2499	2139	1842	1585	1360	1126	842
-15°	4774	3999	3369	2855	2441	2099	1810	1563	1338	1103	833
-17.5°	4544	3828	3243	2765	2373	2049	1770	1531	1315	1081	829
-20°	4332	3657	3098	2662	2297	1991	1729	1500	1288	1058	820



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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°	4103	3490	2981	2563	2216	1928	1680	1464	1261	1031	806
-25°	3850	3306	2846	2459	2139	1864	1630	1419	1229	1004	793
-27.5°	3616	3116	2698	2351	2054	1801	1576	1378	1193	977	779
-30°	3382	2941	2558	2234	1964	1729	1522	1333	1153	955	761
-32.5°	3134	2752	2414	2126	1878	1662	1464	1288	1117	932	748
-35°	2909	2572	2274	2013	1788	1585	1405	1243	1081	905	734
-37.5°	2693	2391	2135	1901	1693	1509	1347	1193	1049	883	716
-40°	2477	2216	1995	1792	1603	1432	1284	1148	1018	856	698
-42.5°	2270	2058	1860	1671	1513	1360	1229	1099	973	829	680
-45°	2094	1901	1725	1572	1423	1288	1166	1045	928	806	658
-47.5°	1914	1752	1603	1464	1342	1216	1103	995	883	779	644
-50°	1752	1612	1486	1365	1252	1148	1045	941	838	739	622
-52.5°	1599	1482	1374	1266	1171	1076	982	892	793	703	599
-55°	1459	1360	1261	1175	1090	1009	919	833	748	667	581
-57.5°	1329	1238	1162	1085	1009	937	860	784	707	631	554
-60°	1198	1135	1067	1000	932	869	806	734	662	590	527
-62.5°	1085	1027	968	910	856	802	752	685	617	558	495
-65°	977	928	878	829	784	739	694	635	576	522	464
-67.5°	869	829	788	752	712	676	635	585	536	482	428
-70°	761	730	703	676	644	608	581	540	495	437	387
-72.5°	649	626	617	604	572	545	522	491	437	387	347
-75°	518	518	522	513	495	482	450	414	374	338	302
-77.5°	410	419	423	428	410	392	369	338	311	284	257
-80°	311	324	338	338	324	306	288	270	252	230	207
-82.5°	234	243	252	252	243	234	221	207	194	176	158
-85°	158	162	171	176	167	162	149	140	131	117	108
-87.5°	77	81	86	86	86	81	77	72	63	59	54
-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°	45	36	27	18	9	5	0
85°	95	72	50	32	18	9	0
82.5°	140	104	77	50	32	14	0
80°	185	140	99	68	41	18	0
77.5°	225	171	126	81	50	23	0
75°	261	198	149	99	59	27	0
72.5°	297	225	167	113	68	32	0
70°	333	252	185	131	77	36	0
67.5°	360	275	203	140	86	41	0
65°	383	297	216	149	95	41	0
62.5°	405	315	230	158	104	45	0
60°	432	333	248	167	108	50	0
57.5°	450	347	257	176	113	54	0
55°	468	365	266	185	122	59	0
52.5°	486	378	279	189	126	59	0
50°	500	392	288	194	131	63	0
47.5°	518	401	293	198	135	68	0
45°	531	414	302	203	140	68	0
42.5°	545	423	306	207	140	72	0
40°	558	428	315	216	144	77	0
37.5°	567	437	320	221	149	77	0
35°	572	441	324	225	153	81	0
32.5°	581	450	329	234	153	81	0
30°	595	450	329	239	158	81	0
27.5°	604	455	338	239	158	86	0
25°	608	455	342	243	162	86	0
22.5°	613	459	347	248	162	86	0
20°	617	464	351	252	167	90	0
17.5°	622	473	356	252	167	90	0
15°	631	477	356	252	167	95	0
12.5°	635	477	356	257	167	95	0
10°	640	482	356	257	171	90	0
7.5°	640	482	360	257	171	90	0
5°	640	486	356	257	167	90	0
2.5°	631	486	356	252	167	90	0
0°	626	482	351	252	167	90	0
-2.5°	631	486	356	252	167	90	0
-5°	640	486	356	257	167	90	0
-7.5°	640	482	360	257	171	90	0
-10°	640	482	356	257	171	90	0
-12.5°	635	477	356	257	167	95	0
-15°	631	477	356	252	167	95	0
-17.5°	622	473	356	252	167	90	0
-20°	617	464	351	252	167	90	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	613	459	347	248	162	86	0
-25°	608	455	342	243	162	86	0
-27.5°	604	455	338	239	158	86	0
-30°	595	450	329	239	158	81	0
-32.5°	581	450	329	234	153	81	0
-35°	572	441	324	225	153	81	0
-37.5°	567	437	320	221	149	77	0
-40°	558	428	315	216	144	77	0
-42.5°	545	423	306	207	140	72	0
-45°	531	414	302	203	140	68	0
-47.5°	518	401	293	198	135	68	0
-50°	500	392	288	194	131	63	0
-52.5°	486	378	279	189	126	59	0
-55°	468	365	266	185	122	59	0
-57.5°	450	347	257	176	113	54	0
-60°	432	333	248	167	108	50	0
-62.5°	405	315	230	158	104	45	0
-65°	383	297	216	149	95	41	0
-67.5°	360	275	203	140	86	41	0
-70°	333	252	185	131	77	36	0
-72.5°	297	225	167	113	68	32	0
-75°	261	198	149	99	59	27	0
-77.5°	225	171	126	81	50	23	0
-80°	185	140	99	68	41	18	0
-82.5°	140	104	77	50	32	14	0
-85°	95	72	50	32	18	9	0
-87.5°	45	36	27	18	9	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)