

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: P622109

Luminaire Tested: **IFLD-L-SA7D-722-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622109
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-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

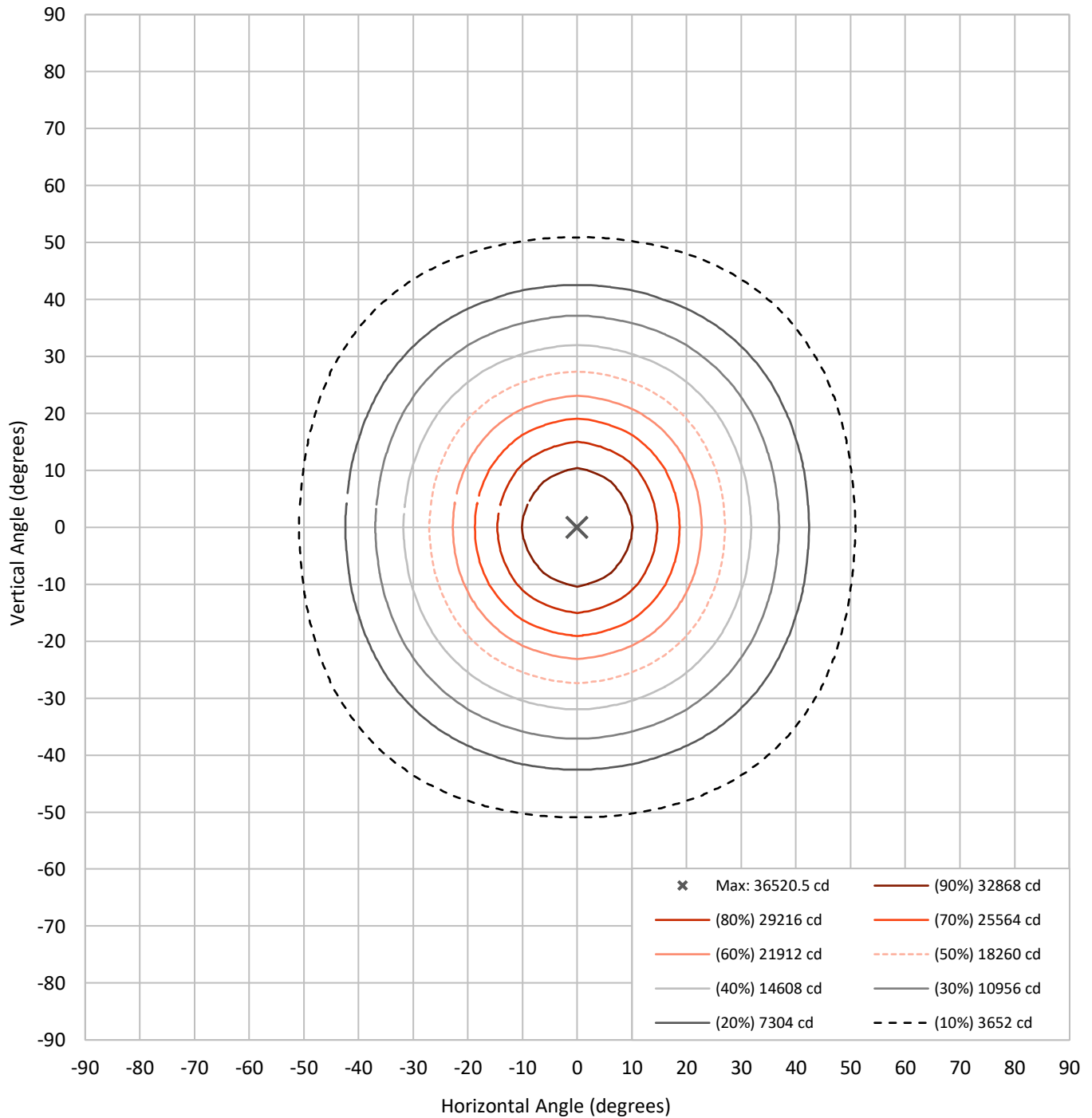
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37877.8 lumens	Max Intensity:	36520.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	18211.8 lumens	Field Lumens:	33241.5 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		



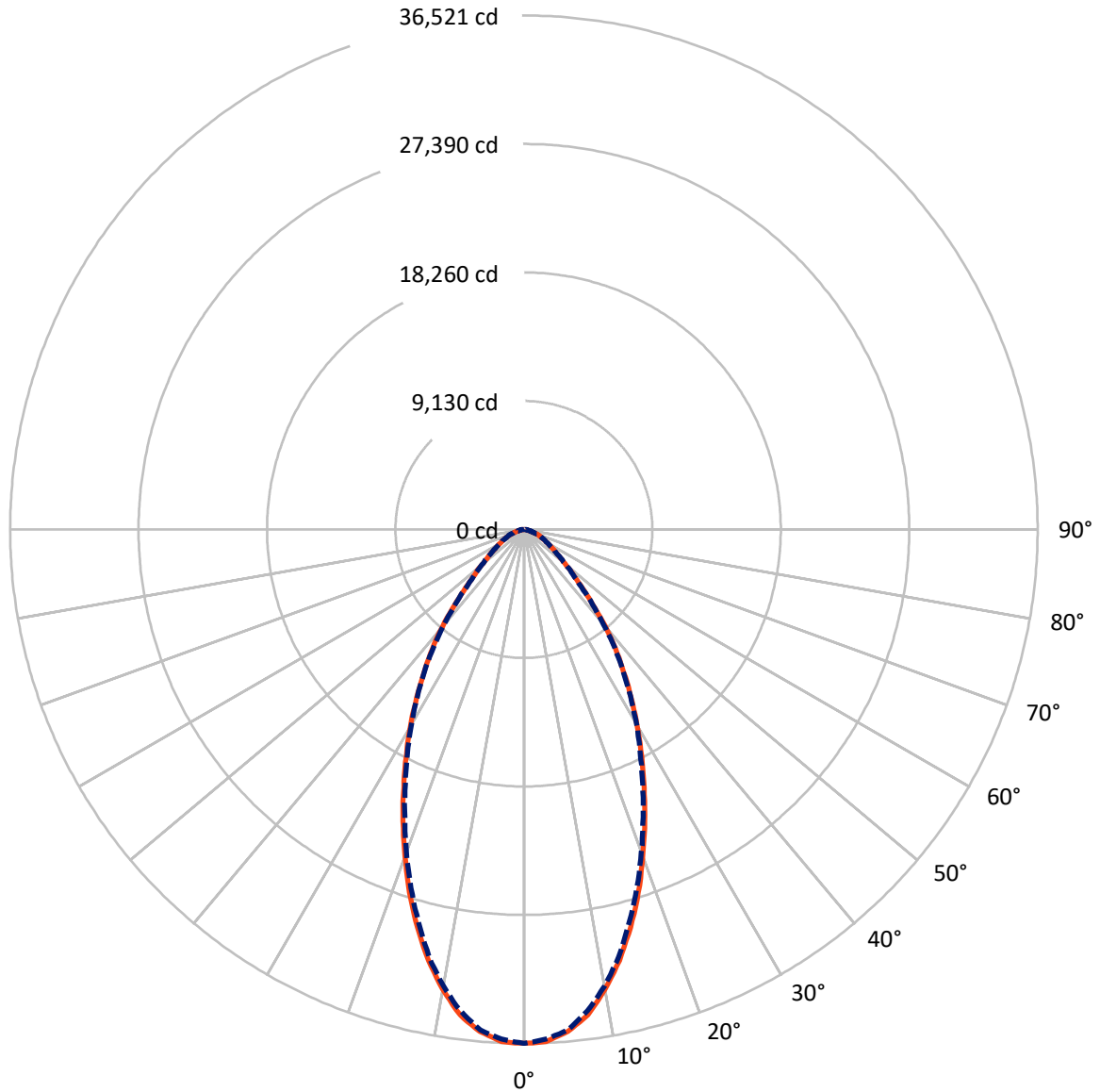
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Iso-Candela Plot



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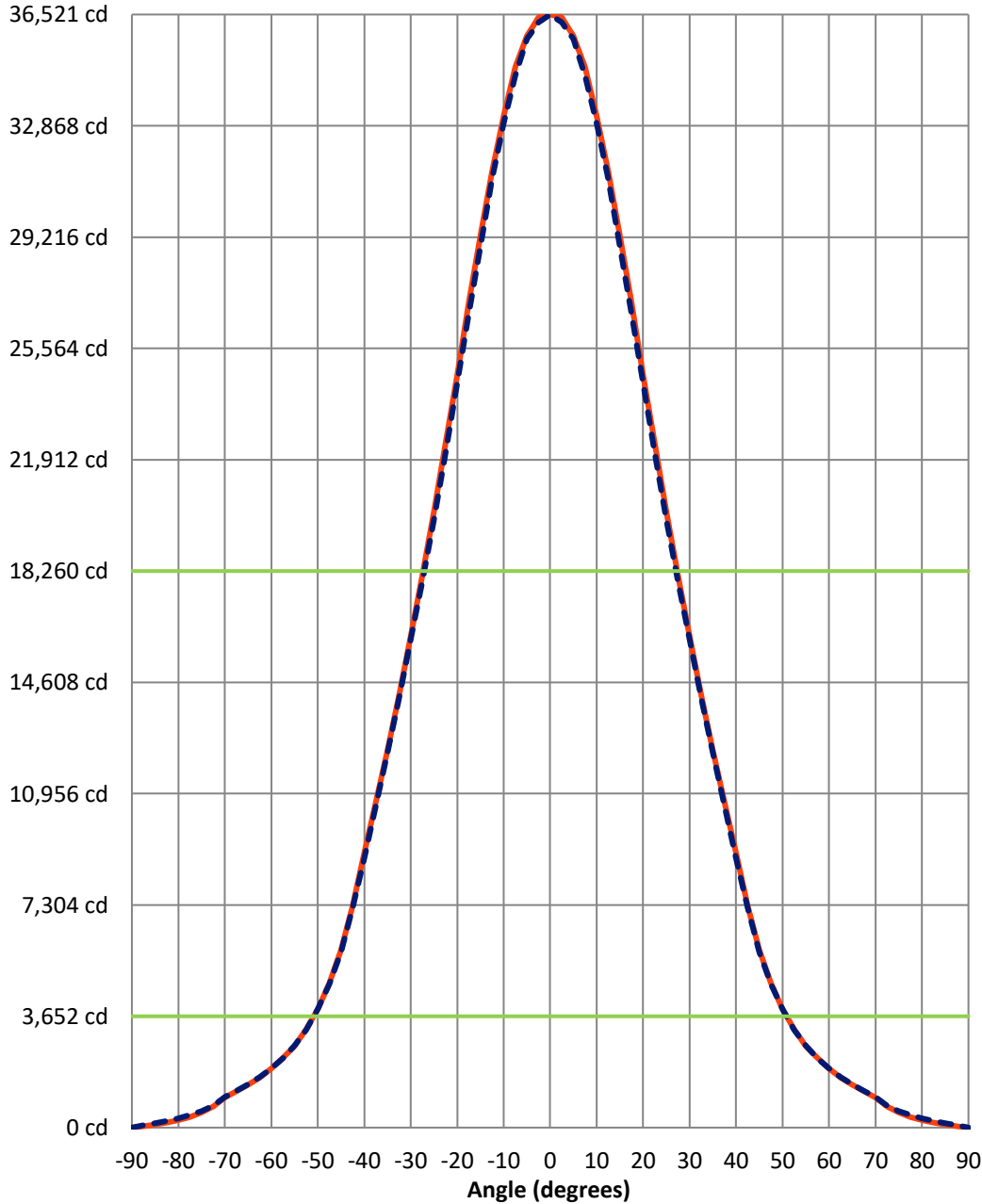
Luminous Intensity Polar Plot



— 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: 18211.8
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 33241.5
Efficiency: 87.8%

Spill:
Lumens: 4636.3
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	4	8	16	23	31	39	47	51	55	62
85°	0	8	16	27	43	62	82	93	101	113	121
82.5°	0	12	27	43	66	90	121	136	152	167	179
80°	0	16	35	58	86	121	160	179	199	218	234
77.5°	0	20	43	70	109	148	195	222	245	269	292
75°	0	23	51	86	128	171	226	261	292	323	358
72.5°	0	27	58	97	144	195	257	300	335	378	424
70°	0	31	66	113	160	218	288	335	378	428	467
67.5°	0	35	74	121	175	237	311	370	416	463	506
65°	0	35	82	128	187	257	331	401	451	498	549
62.5°	0	39	90	136	199	272	350	428	483	533	592
60°	0	43	93	144	214	288	374	455	510	572	634
57.5°	0	47	97	152	222	300	389	479	545	611	677
55°	0	51	105	160	230	315	405	502	576	646	720
52.5°	0	51	109	163	241	327	420	518	607	685	771
50°	0	55	113	167	249	339	432	537	638	724	813
47.5°	0	58	117	171	253	346	448	557	673	763	860
45°	0	58	121	175	261	358	459	568	697	802	903
42.5°	0	62	121	179	265	366	471	588	716	841	950
40°	0	66	125	187	272	370	483	603	739	880	992
37.5°	0	66	128	191	276	378	490	619	763	907	1031
35°	0	70	132	195	280	381	494	634	782	934	1074
32.5°	0	70	132	202	284	389	502	646	806	965	1113
30°	0	70	136	206	284	389	514	658	825	996	1152
27.5°	0	74	136	206	292	393	521	673	844	1031	1191
25°	0	74	140	210	296	393	525	685	868	1062	1226
22.5°	0	74	140	214	300	397	529	697	891	1090	1265
20°	0	78	144	218	304	401	533	708	915	1113	1296
17.5°	0	78	144	218	307	409	537	716	934	1136	1323
15°	0	82	144	218	307	413	545	720	953	1156	1350
12.5°	0	82	144	222	307	413	549	728	973	1175	1370
10°	0	78	148	222	307	416	553	732	985	1187	1389
7.5°	0	78	148	222	311	416	553	732	996	1199	1401
5°	0	78	144	222	307	420	553	736	1012	1210	1413
2.5°	0	78	144	218	307	420	545	728	1008	1210	1420
0°	0	78	144	218	304	416	541	720	1004	1206	1420
-2.5°	0	78	144	218	307	420	545	728	1008	1210	1420
-5°	0	78	144	222	307	420	553	736	1012	1210	1413
-7.5°	0	78	148	222	311	416	553	732	996	1199	1401
-10°	0	78	148	222	307	416	553	732	985	1187	1389
-12.5°	0	82	144	222	307	413	549	728	973	1175	1370
-15°	0	82	144	218	307	413	545	720	953	1156	1350
-17.5°	0	78	144	218	307	409	537	716	934	1136	1323
-20°	0	78	144	218	304	401	533	708	915	1113	1296



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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	74	140	214	300	397	529	697	891	1090	1265
-25°	0	74	140	210	296	393	525	685	868	1062	1226
-27.5°	0	74	136	206	292	393	521	673	844	1031	1191
-30°	0	70	136	206	284	389	514	658	825	996	1152
-32.5°	0	70	132	202	284	389	502	646	806	965	1113
-35°	0	70	132	195	280	381	494	634	782	934	1074
-37.5°	0	66	128	191	276	378	490	619	763	907	1031
-40°	0	66	125	187	272	370	483	603	739	880	992
-42.5°	0	62	121	179	265	366	471	588	716	841	950
-45°	0	58	121	175	261	358	459	568	697	802	903
-47.5°	0	58	117	171	253	346	448	557	673	763	860
-50°	0	55	113	167	249	339	432	537	638	724	813
-52.5°	0	51	109	163	241	327	420	518	607	685	771
-55°	0	51	105	160	230	315	405	502	576	646	720
-57.5°	0	47	97	152	222	300	389	479	545	611	677
-60°	0	43	93	144	214	288	374	455	510	572	634
-62.5°	0	39	90	136	199	272	350	428	483	533	592
-65°	0	35	82	128	187	257	331	401	451	498	549
-67.5°	0	35	74	121	175	237	311	370	416	463	506
-70°	0	31	66	113	160	218	288	335	378	428	467
-72.5°	0	27	58	97	144	195	257	300	335	378	424
-75°	0	23	51	86	128	171	226	261	292	323	358
-77.5°	0	20	43	70	109	148	195	222	245	269	292
-80°	0	16	35	58	86	121	160	179	199	218	234
-82.5°	0	12	27	43	66	90	121	136	152	167	179
-85°	0	8	16	27	43	62	82	93	101	113	121
-87.5°	0	4	8	16	23	31	39	47	51	55	62
-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°	66	70	74	74	74	70	66	62	70	78	86
85°	128	140	144	152	148	140	136	128	144	160	179
82.5°	191	202	210	218	218	210	202	191	214	237	265
80°	249	265	280	292	292	280	269	253	280	315	350
77.5°	319	339	354	370	366	362	354	346	374	409	444
75°	389	416	428	444	451	448	448	455	486	529	568
72.5°	451	471	494	521	533	541	560	584	615	650	681
70°	502	525	557	584	607	630	658	689	720	755	786
67.5°	549	584	615	650	681	716	751	786	821	860	899
65°	599	638	677	716	759	802	844	883	926	977	1020
62.5°	650	693	739	786	837	887	938	988	1047	1101	1156
60°	697	751	806	864	922	981	1035	1101	1171	1234	1304
57.5°	743	809	872	938	1004	1070	1148	1222	1304	1385	1463
55°	794	872	942	1016	1090	1175	1261	1354	1444	1549	1646
52.5°	848	930	1012	1094	1187	1280	1381	1490	1607	1728	1848
50°	903	992	1082	1179	1284	1393	1514	1642	1782	1922	2070
47.5°	953	1051	1160	1265	1385	1514	1654	1810	1965	2140	2327
45°	1008	1113	1230	1358	1490	1642	1810	1981	2179	2378	2596
42.5°	1062	1175	1308	1444	1607	1778	1961	2179	2401	2646	2911
40°	1109	1238	1385	1549	1724	1915	2140	2378	2650	2942	3269
37.5°	1164	1304	1463	1642	1845	2066	2327	2603	2919	3273	3666
35°	1214	1370	1545	1739	1965	2222	2514	2837	3203	3631	4109
32.5°	1265	1436	1623	1837	2086	2378	2708	3090	3522	4012	4611
30°	1315	1494	1697	1930	2210	2541	2922	3347	3845	4463	5176
27.5°	1362	1557	1775	2031	2331	2693	3125	3631	4218	4915	5748
25°	1409	1611	1848	2125	2459	2856	3327	3884	4588	5413	6401
22.5°	1452	1666	1915	2214	2576	3016	3545	4179	4954	5872	7036
20°	1494	1720	1985	2300	2677	3160	3744	4452	5331	6413	7705
17.5°	1529	1771	2051	2389	2802	3308	3926	4724	5674	6911	8351
15°	1564	1813	2109	2467	2911	3456	4125	4962	6036	7382	8911
12.5°	1592	1848	2160	2537	3004	3580	4296	5203	6386	7826	9398
10°	1611	1880	2199	2592	3082	3681	4436	5397	6670	8188	9802
7.5°	1631	1903	2230	2635	3140	3759	4545	5549	6888	8468	10114
5°	1646	1922	2253	2666	3179	3817	4627	5646	7043	8666	10336
2.5°	1658	1938	2273	2693	3210	3880	4701	5752	7191	8833	10534
0°	1658	1942	2273	2693	3207	3891	4713	5759	7211	8830	10561
-2.5°	1658	1938	2273	2693	3210	3880	4701	5752	7191	8833	10534
-5°	1646	1922	2253	2666	3179	3817	4627	5646	7043	8666	10336
-7.5°	1631	1903	2230	2635	3140	3759	4545	5549	6888	8468	10114
-10°	1611	1880	2199	2592	3082	3681	4436	5397	6670	8188	9802
-12.5°	1592	1848	2160	2537	3004	3580	4296	5203	6386	7826	9398
-15°	1564	1813	2109	2467	2911	3456	4125	4962	6036	7382	8911
-17.5°	1529	1771	2051	2389	2802	3308	3926	4724	5674	6911	8351
-20°	1494	1720	1985	2300	2677	3160	3744	4452	5331	6413	7705



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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°	1452	1666	1915	2214	2576	3016	3545	4179	4954	5872	7036
-25°	1409	1611	1848	2125	2459	2856	3327	3884	4588	5413	6401
-27.5°	1362	1557	1775	2031	2331	2693	3125	3631	4218	4915	5748
-30°	1315	1494	1697	1930	2210	2541	2922	3347	3845	4463	5176
-32.5°	1265	1436	1623	1837	2086	2378	2708	3090	3522	4012	4611
-35°	1214	1370	1545	1739	1965	2222	2514	2837	3203	3631	4109
-37.5°	1164	1304	1463	1642	1845	2066	2327	2603	2919	3273	3666
-40°	1109	1238	1385	1549	1724	1915	2140	2378	2650	2942	3269
-42.5°	1062	1175	1308	1444	1607	1778	1961	2179	2401	2646	2911
-45°	1008	1113	1230	1358	1490	1642	1810	1981	2179	2378	2596
-47.5°	953	1051	1160	1265	1385	1514	1654	1810	1965	2140	2327
-50°	903	992	1082	1179	1284	1393	1514	1642	1782	1922	2070
-52.5°	848	930	1012	1094	1187	1280	1381	1490	1607	1728	1848
-55°	794	872	942	1016	1090	1175	1261	1354	1444	1549	1646
-57.5°	743	809	872	938	1004	1070	1148	1222	1304	1385	1463
-60°	697	751	806	864	922	981	1035	1101	1171	1234	1304
-62.5°	650	693	739	786	837	887	938	988	1047	1101	1156
-65°	599	638	677	716	759	802	844	883	926	977	1020
-67.5°	549	584	615	650	681	716	751	786	821	860	899
-70°	502	525	557	584	607	630	658	689	720	755	786
-72.5°	451	471	494	521	533	541	560	584	615	650	681
-75°	389	416	428	444	451	448	448	455	486	529	568
-77.5°	319	339	354	370	366	362	354	346	374	409	444
-80°	249	265	280	292	292	280	269	253	280	315	350
-82.5°	191	202	210	218	218	210	202	191	214	237	265
-85°	128	140	144	152	148	140	136	128	144	160	179
-87.5°	66	70	74	74	74	70	66	62	70	78	86
-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°	97	97	97	97	93	97	97	101	105	93	82
85°	195	199	199	199	199	199	199	199	199	179	160
82.5°	292	304	311	323	331	331	327	323	315	284	249
80°	385	405	416	428	440	436	432	424	420	381	342
77.5°	479	502	518	529	541	545	541	541	537	502	459
75°	599	619	634	650	665	673	677	677	677	646	607
72.5°	708	732	755	778	798	809	821	829	837	821	798
70°	821	848	876	903	930	950	965	981	988	992	992
67.5°	938	973	1008	1043	1074	1101	1121	1140	1156	1171	1179
65°	1066	1113	1156	1195	1230	1265	1292	1319	1343	1362	1374
62.5°	1210	1265	1315	1366	1405	1448	1490	1529	1560	1588	1607
60°	1370	1436	1498	1560	1623	1673	1728	1775	1813	1848	1880
57.5°	1549	1631	1708	1790	1860	1926	1992	2059	2117	2164	2203
55°	1747	1848	1950	2047	2144	2234	2319	2405	2483	2545	2599
52.5°	1977	2098	2226	2347	2479	2596	2705	2821	2926	3020	3098
50°	2222	2378	2545	2701	2872	3035	3183	3331	3479	3607	3712
47.5°	2510	2697	2915	3129	3339	3561	3767	3961	4164	4335	4479
45°	2821	3082	3339	3627	3891	4191	4475	4759	5008	5257	5467
42.5°	3191	3518	3845	4214	4576	4954	5355	5713	6086	6452	6755
40°	3631	4016	4467	4911	5413	5888	6456	6958	7433	7896	8289
37.5°	4113	4623	5179	5744	6425	7094	7759	8390	8954	9472	9884
35°	4670	5312	5973	6794	7604	8421	9184	9900	10542	11067	11503
32.5°	5308	6067	6981	7935	8872	9779	10690	11398	12067	12666	13180
30°	5985	6973	8040	9106	10129	11114	12032	12884	13663	14336	14912
27.5°	6779	7923	9110	10254	11351	12414	13456	14429	15281	15990	16706
25°	7565	8876	10145	11355	12542	13729	14877	15970	16966	17834	18609
22.5°	8394	9764	11102	12386	13733	15025	16282	17527	18671	19671	20543
20°	9160	10631	11997	13429	14888	16289	17702	19048	20325	21531	22523
17.5°	9845	11343	12834	14344	15935	17523	19056	20515	21971	23376	24613
15°	10456	12028	13558	15204	16920	18628	20336	21944	23582	25138	26524
12.5°	10997	12620	14246	15997	17791	19570	21442	23309	25127	26804	28306
10°	11445	13130	14873	16686	18550	20430	22445	24520	26465	28248	29882
7.5°	11783	13515	15336	17219	19185	21196	23302	25415	27473	29388	31100
5°	12024	13772	15643	17566	19613	21714	23959	26212	28314	30294	32046
2.5°	12242	14001	15908	17756	19842	22021	24271	26605	28753	30789	32738
0°	12301	14095	16021	17920	19947	22134	24426	26707	28909	31119	32952
-2.5°	12242	14001	15908	17756	19842	22021	24271	26605	28753	30789	32738
-5°	12024	13772	15643	17566	19613	21714	23959	26212	28314	30294	32046
-7.5°	11783	13515	15336	17219	19185	21196	23302	25415	27473	29388	31100
-10°	11445	13130	14873	16686	18550	20430	22445	24520	26465	28248	29882
-12.5°	10997	12620	14246	15997	17791	19570	21442	23309	25127	26804	28306
-15°	10456	12028	13558	15204	16920	18628	20336	21944	23582	25138	26524
-17.5°	9845	11343	12834	14344	15935	17523	19056	20515	21971	23376	24613
-20°	9160	10631	11997	13429	14888	16289	17702	19048	20325	21531	22523



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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°	8394	9764	11102	12386	13733	15025	16282	17527	18671	19671	20543
-25°	7565	8876	10145	11355	12542	13729	14877	15970	16966	17834	18609
-27.5°	6779	7923	9110	10254	11351	12414	13456	14429	15281	15990	16706
-30°	5985	6973	8040	9106	10129	11114	12032	12884	13663	14336	14912
-32.5°	5308	6067	6981	7935	8872	9779	10690	11398	12067	12666	13180
-35°	4670	5312	5973	6794	7604	8421	9184	9900	10542	11067	11503
-37.5°	4113	4623	5179	5744	6425	7094	7759	8390	8954	9472	9884
-40°	3631	4016	4467	4911	5413	5888	6456	6958	7433	7896	8289
-42.5°	3191	3518	3845	4214	4576	4954	5355	5713	6086	6452	6755
-45°	2821	3082	3339	3627	3891	4191	4475	4759	5008	5257	5467
-47.5°	2510	2697	2915	3129	3339	3561	3767	3961	4164	4335	4479
-50°	2222	2378	2545	2701	2872	3035	3183	3331	3479	3607	3712
-52.5°	1977	2098	2226	2347	2479	2596	2705	2821	2926	3020	3098
-55°	1747	1848	1950	2047	2144	2234	2319	2405	2483	2545	2599
-57.5°	1549	1631	1708	1790	1860	1926	1992	2059	2117	2164	2203
-60°	1370	1436	1498	1560	1623	1673	1728	1775	1813	1848	1880
-62.5°	1210	1265	1315	1366	1405	1448	1490	1529	1560	1588	1607
-65°	1066	1113	1156	1195	1230	1265	1292	1319	1343	1362	1374
-67.5°	938	973	1008	1043	1074	1101	1121	1140	1156	1171	1179
-70°	821	848	876	903	930	950	965	981	988	992	992
-72.5°	708	732	755	778	798	809	821	829	837	821	798
-75°	599	619	634	650	665	673	677	677	677	646	607
-77.5°	479	502	518	529	541	545	541	541	537	502	459
-80°	385	405	416	428	440	436	432	424	420	381	342
-82.5°	292	304	311	323	331	331	327	323	315	284	249
-85°	195	199	199	199	199	199	199	199	199	179	160
-87.5°	97	97	97	97	93	97	97	101	105	93	82
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA7D-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°	66	55	51	43	51	55	66	82	93	105	101
85°	136	113	109	101	109	113	136	160	179	199	199
82.5°	218	179	171	163	171	179	218	249	284	315	323
80°	307	261	253	245	253	261	307	342	381	420	424
77.5°	416	374	358	346	358	374	416	459	502	537	541
75°	564	521	510	498	510	521	564	607	646	677	677
72.5°	771	751	720	693	720	751	771	798	821	837	829
70°	996	1004	996	985	996	1004	996	992	992	988	981
67.5°	1183	1191	1191	1195	1191	1191	1183	1179	1171	1156	1140
65°	1385	1389	1401	1405	1401	1389	1385	1374	1362	1343	1319
62.5°	1619	1631	1638	1638	1638	1631	1619	1607	1588	1560	1529
60°	1899	1915	1934	1938	1934	1915	1899	1880	1848	1813	1775
57.5°	2234	2253	2280	2288	2280	2253	2234	2203	2164	2117	2059
55°	2638	2666	2681	2673	2681	2666	2638	2599	2545	2483	2405
52.5°	3164	3210	3242	3226	3242	3210	3164	3098	3020	2926	2821
50°	3798	3856	3895	3884	3895	3856	3798	3712	3607	3479	3331
47.5°	4592	4674	4740	4744	4740	4674	4592	4479	4335	4164	3961
45°	5635	5755	5845	5829	5845	5755	5635	5467	5257	5008	4759
42.5°	6989	7156	7289	7277	7289	7156	6989	6755	6452	6086	5713
40°	8581	8787	8962	9009	8962	8787	8581	8289	7896	7433	6958
37.5°	10219	10483	10705	10682	10705	10483	10219	9884	9472	8954	8390
35°	11865	12141	12359	12379	12359	12141	11865	11503	11067	10542	9900
32.5°	13589	13896	14153	14188	14153	13896	13589	13180	12666	12067	11398
30°	15387	15756	16064	16126	16064	15756	15387	14912	14336	13663	12884
27.5°	17278	17717	18009	18122	18009	17717	17278	16706	15990	15281	14429
25°	19227	19706	20033	20216	20033	19706	19227	18609	17834	16966	15970
22.5°	21263	21831	22255	22457	22255	21831	21263	20543	19671	18671	17527
20°	23364	23983	24477	24687	24477	23983	23364	22523	21531	20325	19048
17.5°	25504	26259	26808	27076	26808	26259	25504	24613	23376	21971	20515
15°	27582	28384	28979	29267	28979	28384	27582	26524	25138	23582	21944
12.5°	29508	30357	30952	31368	30952	30357	29508	28306	26804	25127	23309
10°	31228	32154	32758	33190	32758	32154	31228	29882	28248	26465	24520
7.5°	32516	33688	34369	34793	34369	33688	32516	31100	29388	27473	25415
5°	33505	34797	35415	35816	35415	34797	33505	32046	30294	28314	26212
2.5°	34229	35248	36022	36423	36022	35248	34229	32738	30789	28753	26605
0°	34513	35711	36260	36521	36260	35711	34513	32952	31119	28909	26707
-2.5°	34229	35248	36022	36423	36022	35248	34229	32738	30789	28753	26605
-5°	33505	34797	35415	35816	35415	34797	33505	32046	30294	28314	26212
-7.5°	32516	33688	34369	34793	34369	33688	32516	31100	29388	27473	25415
-10°	31228	32154	32758	33190	32758	32154	31228	29882	28248	26465	24520
-12.5°	29508	30357	30952	31368	30952	30357	29508	28306	26804	25127	23309
-15°	27582	28384	28979	29267	28979	28384	27582	26524	25138	23582	21944
-17.5°	25504	26259	26808	27076	26808	26259	25504	24613	23376	21971	20515
-20°	23364	23983	24477	24687	24477	23983	23364	22523	21531	20325	19048



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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°	21263	21831	22255	22457	22255	21831	21263	20543	19671	18671	17527
-25°	19227	19706	20033	20216	20033	19706	19227	18609	17834	16966	15970
-27.5°	17278	17717	18009	18122	18009	17717	17278	16706	15990	15281	14429
-30°	15387	15756	16064	16126	16064	15756	15387	14912	14336	13663	12884
-32.5°	13589	13896	14153	14188	14153	13896	13589	13180	12666	12067	11398
-35°	11865	12141	12359	12379	12359	12141	11865	11503	11067	10542	9900
-37.5°	10219	10483	10705	10682	10705	10483	10219	9884	9472	8954	8390
-40°	8581	8787	8962	9009	8962	8787	8581	8289	7896	7433	6958
-42.5°	6989	7156	7289	7277	7289	7156	6989	6755	6452	6086	5713
-45°	5635	5755	5845	5829	5845	5755	5635	5467	5257	5008	4759
-47.5°	4592	4674	4740	4744	4740	4674	4592	4479	4335	4164	3961
-50°	3798	3856	3895	3884	3895	3856	3798	3712	3607	3479	3331
-52.5°	3164	3210	3242	3226	3242	3210	3164	3098	3020	2926	2821
-55°	2638	2666	2681	2673	2681	2666	2638	2599	2545	2483	2405
-57.5°	2234	2253	2280	2288	2280	2253	2234	2203	2164	2117	2059
-60°	1899	1915	1934	1938	1934	1915	1899	1880	1848	1813	1775
-62.5°	1619	1631	1638	1638	1638	1631	1619	1607	1588	1560	1529
-65°	1385	1389	1401	1405	1401	1389	1385	1374	1362	1343	1319
-67.5°	1183	1191	1191	1195	1191	1191	1183	1179	1171	1156	1140
-70°	996	1004	996	985	996	1004	996	992	992	988	981
-72.5°	771	751	720	693	720	751	771	798	821	837	829
-75°	564	521	510	498	510	521	564	607	646	677	677
-77.5°	416	374	358	346	358	374	416	459	502	537	541
-80°	307	261	253	245	253	261	307	342	381	420	424
-82.5°	218	179	171	163	171	179	218	249	284	315	323
-85°	136	113	109	101	109	113	136	160	179	199	199
-87.5°	66	55	51	43	51	55	66	82	93	105	101
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA7D-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°	97	97	93	97	97	97	97	86	78	70	62
85°	199	199	199	199	199	199	195	179	160	144	128
82.5°	327	331	331	323	311	304	292	265	237	214	191
80°	432	436	440	428	416	405	385	350	315	280	253
77.5°	541	545	541	529	518	502	479	444	409	374	346
75°	677	673	665	650	634	619	599	568	529	486	455
72.5°	821	809	798	778	755	732	708	681	650	615	584
70°	965	950	930	903	876	848	821	786	755	720	689
67.5°	1121	1101	1074	1043	1008	973	938	899	860	821	786
65°	1292	1265	1230	1195	1156	1113	1066	1020	977	926	883
62.5°	1490	1448	1405	1366	1315	1265	1210	1156	1101	1047	988
60°	1728	1673	1623	1560	1498	1436	1370	1304	1234	1171	1101
57.5°	1992	1926	1860	1790	1708	1631	1549	1463	1385	1304	1222
55°	2319	2234	2144	2047	1950	1848	1747	1646	1549	1444	1354
52.5°	2705	2596	2479	2347	2226	2098	1977	1848	1728	1607	1490
50°	3183	3035	2872	2701	2545	2378	2222	2070	1922	1782	1642
47.5°	3767	3561	3339	3129	2915	2697	2510	2327	2140	1965	1810
45°	4475	4191	3891	3627	3339	3082	2821	2596	2378	2179	1981
42.5°	5355	4954	4576	4214	3845	3518	3191	2911	2646	2401	2179
40°	6456	5888	5413	4911	4467	4016	3631	3269	2942	2650	2378
37.5°	7759	7094	6425	5744	5179	4623	4113	3666	3273	2919	2603
35°	9184	8421	7604	6794	5973	5312	4670	4109	3631	3203	2837
32.5°	10690	9779	8872	7935	6981	6067	5308	4611	4012	3522	3090
30°	12032	11114	10129	9106	8040	6973	5985	5176	4463	3845	3347
27.5°	13456	12414	11351	10254	9110	7923	6779	5748	4915	4218	3631
25°	14877	13729	12542	11355	10145	8876	7565	6401	5413	4588	3884
22.5°	16282	15025	13733	12386	11102	9764	8394	7036	5872	4954	4179
20°	17702	16289	14888	13429	11997	10631	9160	7705	6413	5331	4452
17.5°	19056	17523	15935	14344	12834	11343	9845	8351	6911	5674	4724
15°	20336	18628	16920	15204	13558	12028	10456	8911	7382	6036	4962
12.5°	21442	19570	17791	15997	14246	12620	10997	9398	7826	6386	5203
10°	22445	20430	18550	16686	14873	13130	11445	9802	8188	6670	5397
7.5°	23302	21196	19185	17219	15336	13515	11783	10114	8468	6888	5549
5°	23959	21714	19613	17566	15643	13772	12024	10336	8666	7043	5646
2.5°	24271	22021	19842	17756	15908	14001	12242	10534	8833	7191	5752
0°	24426	22134	19947	17920	16021	14095	12301	10561	8830	7211	5759
-2.5°	24271	22021	19842	17756	15908	14001	12242	10534	8833	7191	5752
-5°	23959	21714	19613	17566	15643	13772	12024	10336	8666	7043	5646
-7.5°	23302	21196	19185	17219	15336	13515	11783	10114	8468	6888	5549
-10°	22445	20430	18550	16686	14873	13130	11445	9802	8188	6670	5397
-12.5°	21442	19570	17791	15997	14246	12620	10997	9398	7826	6386	5203
-15°	20336	18628	16920	15204	13558	12028	10456	8911	7382	6036	4962
-17.5°	19056	17523	15935	14344	12834	11343	9845	8351	6911	5674	4724
-20°	17702	16289	14888	13429	11997	10631	9160	7705	6413	5331	4452



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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°	16282	15025	13733	12386	11102	9764	8394	7036	5872	4954	4179
-25°	14877	13729	12542	11355	10145	8876	7565	6401	5413	4588	3884
-27.5°	13456	12414	11351	10254	9110	7923	6779	5748	4915	4218	3631
-30°	12032	11114	10129	9106	8040	6973	5985	5176	4463	3845	3347
-32.5°	10690	9779	8872	7935	6981	6067	5308	4611	4012	3522	3090
-35°	9184	8421	7604	6794	5973	5312	4670	4109	3631	3203	2837
-37.5°	7759	7094	6425	5744	5179	4623	4113	3666	3273	2919	2603
-40°	6456	5888	5413	4911	4467	4016	3631	3269	2942	2650	2378
-42.5°	5355	4954	4576	4214	3845	3518	3191	2911	2646	2401	2179
-45°	4475	4191	3891	3627	3339	3082	2821	2596	2378	2179	1981
-47.5°	3767	3561	3339	3129	2915	2697	2510	2327	2140	1965	1810
-50°	3183	3035	2872	2701	2545	2378	2222	2070	1922	1782	1642
-52.5°	2705	2596	2479	2347	2226	2098	1977	1848	1728	1607	1490
-55°	2319	2234	2144	2047	1950	1848	1747	1646	1549	1444	1354
-57.5°	1992	1926	1860	1790	1708	1631	1549	1463	1385	1304	1222
-60°	1728	1673	1623	1560	1498	1436	1370	1304	1234	1171	1101
-62.5°	1490	1448	1405	1366	1315	1265	1210	1156	1101	1047	988
-65°	1292	1265	1230	1195	1156	1113	1066	1020	977	926	883
-67.5°	1121	1101	1074	1043	1008	973	938	899	860	821	786
-70°	965	950	930	903	876	848	821	786	755	720	689
-72.5°	821	809	798	778	755	732	708	681	650	615	584
-75°	677	673	665	650	634	619	599	568	529	486	455
-77.5°	541	545	541	529	518	502	479	444	409	374	346
-80°	432	436	440	428	416	405	385	350	315	280	253
-82.5°	327	331	331	323	311	304	292	265	237	214	191
-85°	199	199	199	199	199	199	195	179	160	144	128
-87.5°	97	97	93	97	97	97	97	86	78	70	62
-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°	66	70	74	74	74	70	66	62	55	51	47
85°	136	140	148	152	144	140	128	121	113	101	93
82.5°	202	210	218	218	210	202	191	179	167	152	136
80°	269	280	292	292	280	265	249	234	218	199	179
77.5°	354	362	366	370	354	339	319	292	269	245	222
75°	448	448	451	444	428	416	389	358	323	292	261
72.5°	560	541	533	521	494	471	451	424	378	335	300
70°	658	630	607	584	557	525	502	467	428	378	335
67.5°	751	716	681	650	615	584	549	506	463	416	370
65°	844	802	759	716	677	638	599	549	498	451	401
62.5°	938	887	837	786	739	693	650	592	533	483	428
60°	1035	981	922	864	806	751	697	634	572	510	455
57.5°	1148	1070	1004	938	872	809	743	677	611	545	479
55°	1261	1175	1090	1016	942	872	794	720	646	576	502
52.5°	1381	1280	1187	1094	1012	930	848	771	685	607	518
50°	1514	1393	1284	1179	1082	992	903	813	724	638	537
47.5°	1654	1514	1385	1265	1160	1051	953	860	763	673	557
45°	1810	1642	1490	1358	1230	1113	1008	903	802	697	568
42.5°	1961	1778	1607	1444	1308	1175	1062	950	841	716	588
40°	2140	1915	1724	1549	1385	1238	1109	992	880	739	603
37.5°	2327	2066	1845	1642	1463	1304	1164	1031	907	763	619
35°	2514	2222	1965	1739	1545	1370	1214	1074	934	782	634
32.5°	2708	2378	2086	1837	1623	1436	1265	1113	965	806	646
30°	2922	2541	2210	1930	1697	1494	1315	1152	996	825	658
27.5°	3125	2693	2331	2031	1775	1557	1362	1191	1031	844	673
25°	3327	2856	2459	2125	1848	1611	1409	1226	1062	868	685
22.5°	3545	3016	2576	2214	1915	1666	1452	1265	1090	891	697
20°	3744	3160	2677	2300	1985	1720	1494	1296	1113	915	708
17.5°	3926	3308	2802	2389	2051	1771	1529	1323	1136	934	716
15°	4125	3456	2911	2467	2109	1813	1564	1350	1156	953	720
12.5°	4296	3580	3004	2537	2160	1848	1592	1370	1175	973	728
10°	4436	3681	3082	2592	2199	1880	1611	1389	1187	985	732
7.5°	4545	3759	3140	2635	2230	1903	1631	1401	1199	996	732
5°	4627	3817	3179	2666	2253	1922	1646	1413	1210	1012	736
2.5°	4701	3880	3210	2693	2273	1938	1658	1420	1210	1008	728
0°	4713	3891	3207	2693	2273	1942	1658	1420	1206	1004	720
-2.5°	4701	3880	3210	2693	2273	1938	1658	1420	1210	1008	728
-5°	4627	3817	3179	2666	2253	1922	1646	1413	1210	1012	736
-7.5°	4545	3759	3140	2635	2230	1903	1631	1401	1199	996	732
-10°	4436	3681	3082	2592	2199	1880	1611	1389	1187	985	732
-12.5°	4296	3580	3004	2537	2160	1848	1592	1370	1175	973	728
-15°	4125	3456	2911	2467	2109	1813	1564	1350	1156	953	720
-17.5°	3926	3308	2802	2389	2051	1771	1529	1323	1136	934	716
-20°	3744	3160	2677	2300	1985	1720	1494	1296	1113	915	708



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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°	3545	3016	2576	2214	1915	1666	1452	1265	1090	891	697
-25°	3327	2856	2459	2125	1848	1611	1409	1226	1062	868	685
-27.5°	3125	2693	2331	2031	1775	1557	1362	1191	1031	844	673
-30°	2922	2541	2210	1930	1697	1494	1315	1152	996	825	658
-32.5°	2708	2378	2086	1837	1623	1436	1265	1113	965	806	646
-35°	2514	2222	1965	1739	1545	1370	1214	1074	934	782	634
-37.5°	2327	2066	1845	1642	1463	1304	1164	1031	907	763	619
-40°	2140	1915	1724	1549	1385	1238	1109	992	880	739	603
-42.5°	1961	1778	1607	1444	1308	1175	1062	950	841	716	588
-45°	1810	1642	1490	1358	1230	1113	1008	903	802	697	568
-47.5°	1654	1514	1385	1265	1160	1051	953	860	763	673	557
-50°	1514	1393	1284	1179	1082	992	903	813	724	638	537
-52.5°	1381	1280	1187	1094	1012	930	848	771	685	607	518
-55°	1261	1175	1090	1016	942	872	794	720	646	576	502
-57.5°	1148	1070	1004	938	872	809	743	677	611	545	479
-60°	1035	981	922	864	806	751	697	634	572	510	455
-62.5°	938	887	837	786	739	693	650	592	533	483	428
-65°	844	802	759	716	677	638	599	549	498	451	401
-67.5°	751	716	681	650	615	584	549	506	463	416	370
-70°	658	630	607	584	557	525	502	467	428	378	335
-72.5°	560	541	533	521	494	471	451	424	378	335	300
-75°	448	448	451	444	428	416	389	358	323	292	261
-77.5°	354	362	366	370	354	339	319	292	269	245	222
-80°	269	280	292	292	280	265	249	234	218	199	179
-82.5°	202	210	218	218	210	202	191	179	167	152	136
-85°	136	140	148	152	144	140	128	121	113	101	93
-87.5°	66	70	74	74	74	70	66	62	55	51	47
-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°	39	31	23	16	8	4	0
85°	82	62	43	27	16	8	0
82.5°	121	90	66	43	27	12	0
80°	160	121	86	58	35	16	0
77.5°	195	148	109	70	43	20	0
75°	226	171	128	86	51	23	0
72.5°	257	195	144	97	58	27	0
70°	288	218	160	113	66	31	0
67.5°	311	237	175	121	74	35	0
65°	331	257	187	128	82	35	0
62.5°	350	272	199	136	90	39	0
60°	374	288	214	144	93	43	0
57.5°	389	300	222	152	97	47	0
55°	405	315	230	160	105	51	0
52.5°	420	327	241	163	109	51	0
50°	432	339	249	167	113	55	0
47.5°	448	346	253	171	117	58	0
45°	459	358	261	175	121	58	0
42.5°	471	366	265	179	121	62	0
40°	483	370	272	187	125	66	0
37.5°	490	378	276	191	128	66	0
35°	494	381	280	195	132	70	0
32.5°	502	389	284	202	132	70	0
30°	514	389	284	206	136	70	0
27.5°	521	393	292	206	136	74	0
25°	525	393	296	210	140	74	0
22.5°	529	397	300	214	140	74	0
20°	533	401	304	218	144	78	0
17.5°	537	409	307	218	144	78	0
15°	545	413	307	218	144	82	0
12.5°	549	413	307	222	144	82	0
10°	553	416	307	222	148	78	0
7.5°	553	416	311	222	148	78	0
5°	553	420	307	222	144	78	0
2.5°	545	420	307	218	144	78	0
0°	541	416	304	218	144	78	0
-2.5°	545	420	307	218	144	78	0
-5°	553	420	307	222	144	78	0
-7.5°	553	416	311	222	148	78	0
-10°	553	416	307	222	148	78	0
-12.5°	549	413	307	222	144	82	0
-15°	545	413	307	218	144	82	0
-17.5°	537	409	307	218	144	78	0
-20°	533	401	304	218	144	78	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	529	397	300	214	140	74	0
-25°	525	393	296	210	140	74	0
-27.5°	521	393	292	206	136	74	0
-30°	514	389	284	206	136	70	0
-32.5°	502	389	284	202	132	70	0
-35°	494	381	280	195	132	70	0
-37.5°	490	378	276	191	128	66	0
-40°	483	370	272	187	125	66	0
-42.5°	471	366	265	179	121	62	0
-45°	459	358	261	175	121	58	0
-47.5°	448	346	253	171	117	58	0
-50°	432	339	249	167	113	55	0
-52.5°	420	327	241	163	109	51	0
-55°	405	315	230	160	105	51	0
-57.5°	389	300	222	152	97	47	0
-60°	374	288	214	144	93	43	0
-62.5°	350	272	199	136	90	39	0
-65°	331	257	187	128	82	35	0
-67.5°	311	237	175	121	74	35	0
-70°	288	218	160	113	66	31	0
-72.5°	257	195	144	97	58	27	0
-75°	226	171	128	86	51	23	0
-77.5°	195	148	109	70	43	20	0
-80°	160	121	86	58	35	16	0
-82.5°	121	90	66	43	27	12	0
-85°	82	62	43	27	16	8	0
-87.5°	39	31	23	16	8	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)