

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: P622129

Luminaire Tested: **IFLD-S-SA6E-727-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622129
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-727-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

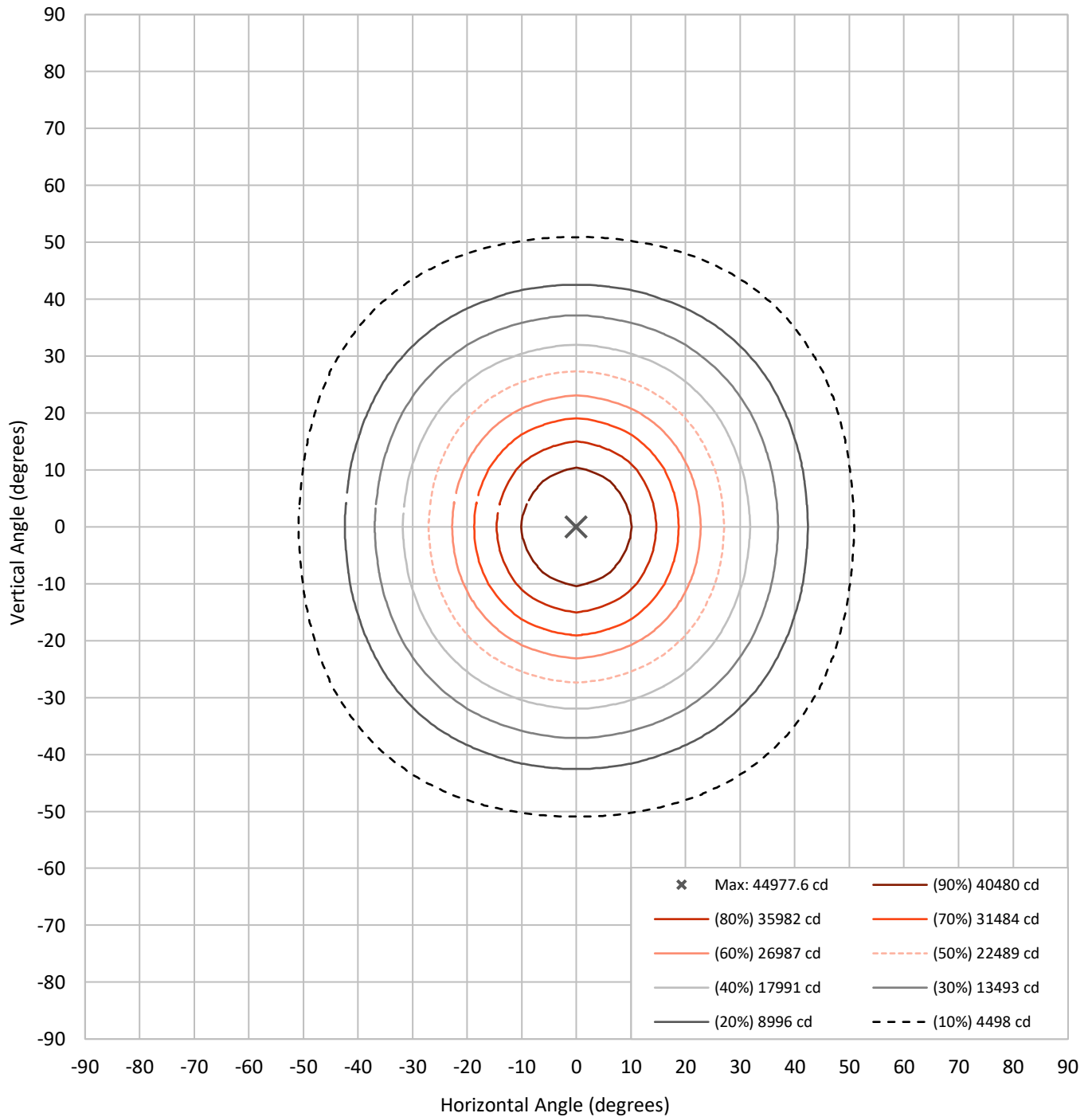
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	46649.2 lumens	Max Intensity:	44977.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	100.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	22429.1 lumens	Field Lumens:	40939.2 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 464.2
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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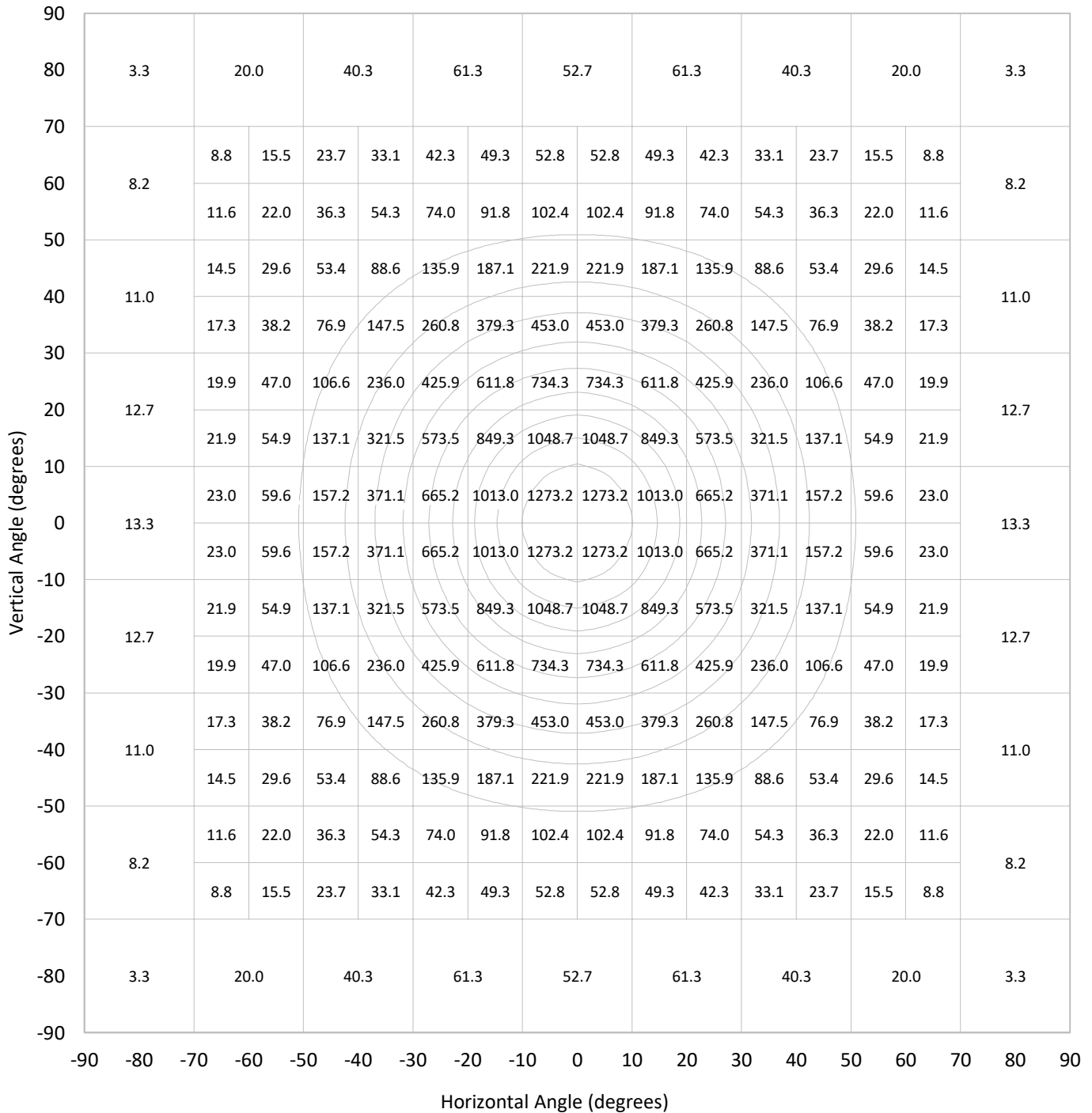
Iso-Candela Plot





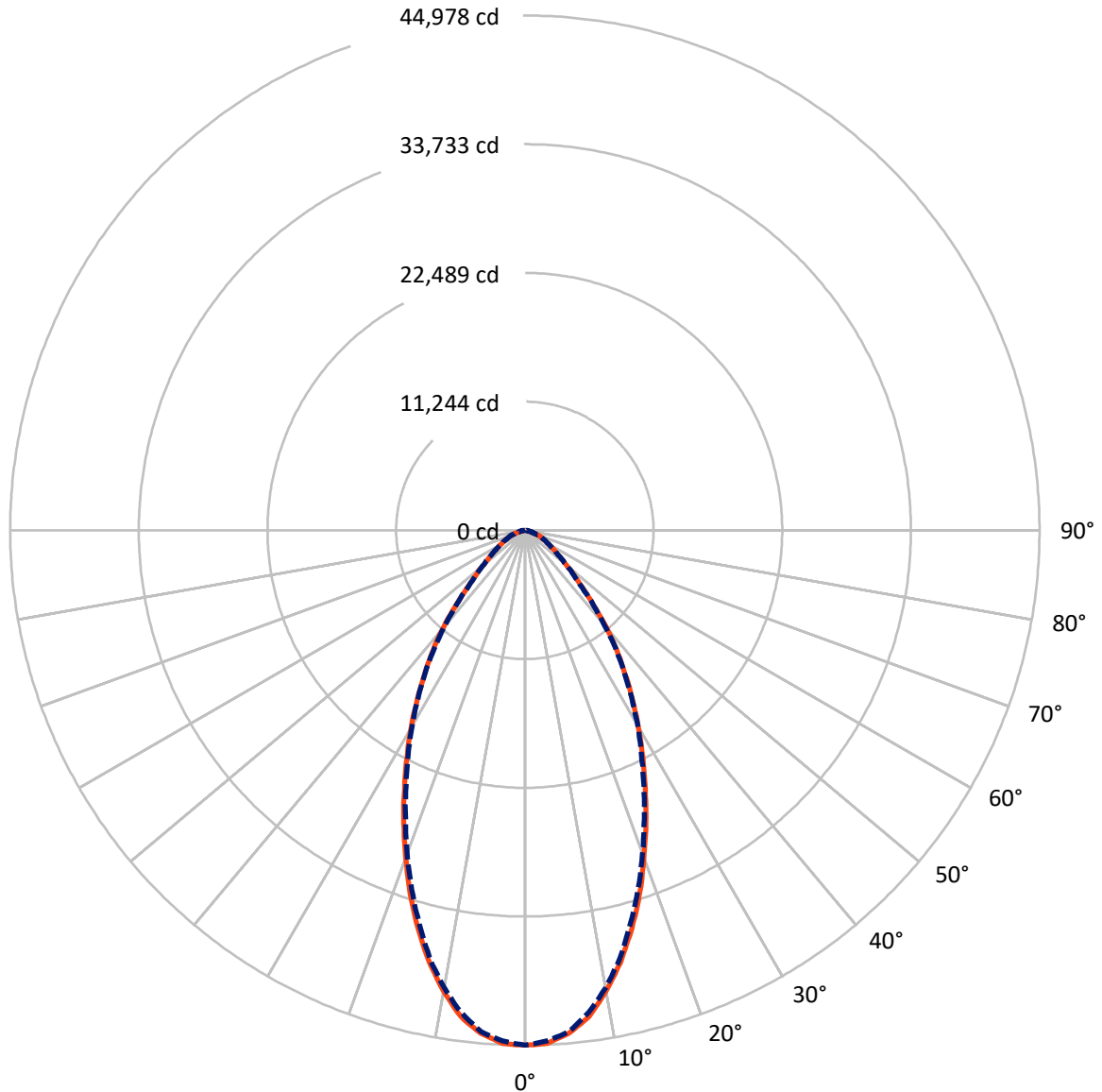
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Lumen Table



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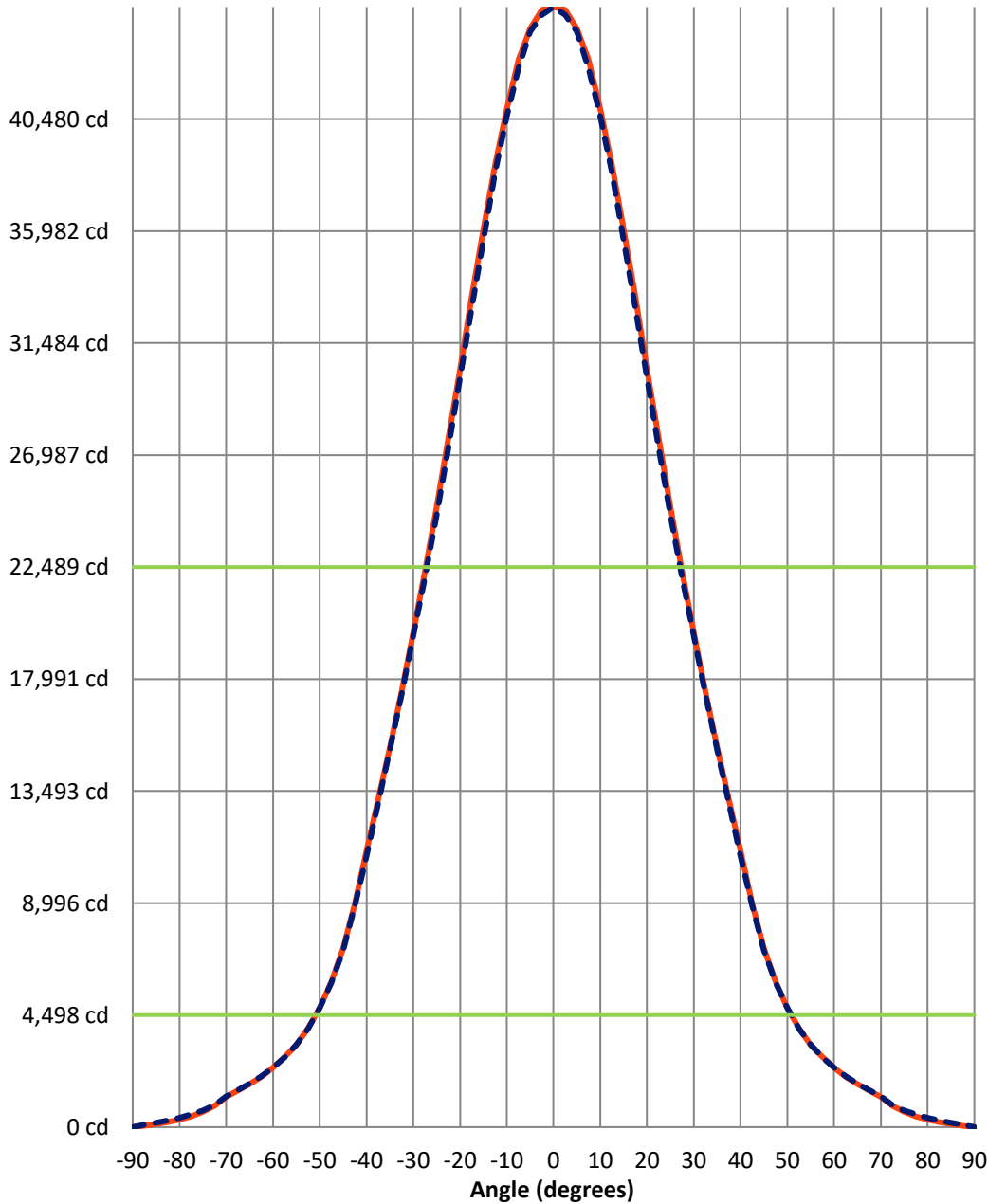
Luminous Intensity Polar Plot



— 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: 22429.1
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 40939.2
Efficiency: 87.8%

Spill:
Lumens: 5709.9
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	19	29	38	48	58	62	67	77
85°	0	10	19	34	53	77	101	115	125	139	149
82.5°	0	14	34	53	82	110	149	168	187	206	221
80°	0	19	43	72	105	149	197	221	244	268	288
77.5°	0	24	53	86	134	182	240	273	302	331	359
75°	0	29	62	105	158	211	278	321	359	398	441
72.5°	0	34	72	120	177	240	316	369	412	465	522
70°	0	38	82	139	197	268	355	412	465	527	575
67.5°	0	43	91	149	216	292	383	455	513	570	623
65°	0	43	101	158	230	316	407	494	556	613	676
62.5°	0	48	110	168	244	336	431	527	594	657	729
60°	0	53	115	177	264	355	460	561	628	705	781
57.5°	0	58	120	187	273	369	479	590	671	752	834
55°	0	62	129	197	283	388	498	618	709	796	887
52.5°	0	62	134	201	297	403	518	637	748	844	949
50°	0	67	139	206	307	417	532	661	786	891	1002
47.5°	0	72	144	211	312	427	551	685	829	939	1059
45°	0	72	149	216	321	441	566	700	858	987	1112
42.5°	0	77	149	221	326	451	580	724	882	1035	1169
40°	0	82	153	230	336	455	594	743	911	1083	1222
37.5°	0	82	158	235	340	465	604	762	939	1117	1270
35°	0	86	163	240	345	470	609	781	963	1150	1323
32.5°	0	86	163	249	350	479	618	796	992	1189	1371
30°	0	86	168	254	350	479	633	810	1016	1227	1419
27.5°	0	91	168	254	359	484	642	829	1040	1270	1467
25°	0	91	173	259	364	484	647	844	1069	1308	1510
22.5°	0	91	173	264	369	489	652	858	1098	1342	1558
20°	0	96	177	268	374	494	657	872	1126	1371	1596
17.5°	0	96	177	268	379	503	661	882	1150	1399	1629
15°	0	101	177	268	379	508	671	887	1174	1423	1663
12.5°	0	101	177	273	379	508	676	896	1198	1447	1687
10°	0	96	182	273	379	513	681	901	1213	1462	1711
7.5°	0	96	182	273	383	513	681	901	1227	1476	1725
5°	0	96	177	273	379	518	681	906	1246	1491	1740
2.5°	0	96	177	268	379	518	671	896	1241	1491	1749
0°	0	96	177	268	374	513	666	887	1237	1486	1749
-2.5°	0	96	177	268	379	518	671	896	1241	1491	1749
-5°	0	96	177	273	379	518	681	906	1246	1491	1740
-7.5°	0	96	182	273	383	513	681	901	1227	1476	1725
-10°	0	96	182	273	379	513	681	901	1213	1462	1711
-12.5°	0	101	177	273	379	508	676	896	1198	1447	1687
-15°	0	101	177	268	379	508	671	887	1174	1423	1663
-17.5°	0	96	177	268	379	503	661	882	1150	1399	1629
-20°	0	96	177	268	374	494	657	872	1126	1371	1596



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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	91	173	264	369	489	652	858	1098	1342	1558
-25°	0	91	173	259	364	484	647	844	1069	1308	1510
-27.5°	0	91	168	254	359	484	642	829	1040	1270	1467
-30°	0	86	168	254	350	479	633	810	1016	1227	1419
-32.5°	0	86	163	249	350	479	618	796	992	1189	1371
-35°	0	86	163	240	345	470	609	781	963	1150	1323
-37.5°	0	82	158	235	340	465	604	762	939	1117	1270
-40°	0	82	153	230	336	455	594	743	911	1083	1222
-42.5°	0	77	149	221	326	451	580	724	882	1035	1169
-45°	0	72	149	216	321	441	566	700	858	987	1112
-47.5°	0	72	144	211	312	427	551	685	829	939	1059
-50°	0	67	139	206	307	417	532	661	786	891	1002
-52.5°	0	62	134	201	297	403	518	637	748	844	949
-55°	0	62	129	197	283	388	498	618	709	796	887
-57.5°	0	58	120	187	273	369	479	590	671	752	834
-60°	0	53	115	177	264	355	460	561	628	705	781
-62.5°	0	48	110	168	244	336	431	527	594	657	729
-65°	0	43	101	158	230	316	407	494	556	613	676
-67.5°	0	43	91	149	216	292	383	455	513	570	623
-70°	0	38	82	139	197	268	355	412	465	527	575
-72.5°	0	34	72	120	177	240	316	369	412	465	522
-75°	0	29	62	105	158	211	278	321	359	398	441
-77.5°	0	24	53	86	134	182	240	273	302	331	359
-80°	0	19	43	72	105	149	197	221	244	268	288
-82.5°	0	14	34	53	82	110	149	168	187	206	221
-85°	0	10	19	34	53	77	101	115	125	139	149
-87.5°	0	5	10	19	29	38	48	58	62	67	77
-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°	82	86	91	91	91	86	82	77	86	96	105
85°	158	173	177	187	182	173	168	158	177	197	221
82.5°	235	249	259	268	268	259	249	235	264	292	326
80°	307	326	345	359	359	345	331	312	345	388	431
77.5°	393	417	436	455	451	446	436	427	460	503	546
75°	479	513	527	546	556	551	551	561	599	652	700
72.5°	556	580	609	642	657	666	690	719	757	800	839
70°	618	647	685	719	748	776	810	848	887	930	968
67.5°	676	719	757	800	839	882	925	968	1011	1059	1107
65°	738	786	834	882	935	987	1040	1088	1141	1203	1256
62.5°	800	853	911	968	1030	1093	1155	1217	1289	1356	1423
60°	858	925	992	1064	1136	1208	1275	1356	1443	1519	1606
57.5°	915	997	1074	1155	1237	1318	1414	1505	1606	1706	1802
55°	978	1074	1160	1251	1342	1447	1553	1668	1778	1907	2027
52.5°	1045	1145	1246	1347	1462	1577	1701	1836	1979	2128	2276
50°	1112	1222	1332	1452	1582	1716	1864	2022	2195	2368	2550
47.5°	1174	1294	1428	1558	1706	1864	2037	2229	2420	2636	2866
45°	1241	1371	1514	1673	1836	2022	2229	2439	2684	2928	3197
42.5°	1308	1447	1610	1778	1979	2190	2415	2684	2957	3259	3585
40°	1366	1524	1706	1907	2123	2358	2636	2928	3264	3623	4026
37.5°	1433	1606	1802	2022	2272	2545	2866	3206	3594	4031	4515
35°	1495	1687	1903	2142	2420	2737	3096	3494	3944	4471	5061
32.5°	1558	1768	1999	2262	2569	2928	3336	3805	4337	4941	5679
30°	1620	1840	2090	2377	2722	3130	3599	4122	4735	5497	6374
27.5°	1677	1917	2185	2502	2871	3316	3848	4471	5195	6053	7079
25°	1735	1984	2276	2617	3029	3518	4098	4783	5650	6666	7884
22.5°	1788	2051	2358	2727	3173	3714	4366	5147	6101	7232	8665
20°	1840	2118	2444	2832	3297	3892	4610	5483	6566	7898	9489
17.5°	1884	2181	2526	2943	3451	4074	4836	5818	6988	8512	10285
15°	1927	2233	2598	3038	3585	4256	5080	6110	7433	9091	10975
12.5°	1960	2276	2660	3125	3700	4409	5291	6408	7865	9638	11574
10°	1984	2315	2708	3192	3796	4534	5463	6647	8214	10083	12072
7.5°	2008	2344	2746	3245	3868	4630	5598	6834	8483	10429	12456
5°	2027	2368	2775	3283	3916	4701	5698	6954	8674	10673	12729
2.5°	2042	2387	2799	3316	3954	4778	5789	7083	8857	10879	12973
0°	2042	2392	2799	3316	3949	4793	5804	7093	8881	10874	13007
-2.5°	2042	2387	2799	3316	3954	4778	5789	7083	8857	10879	12973
-5°	2027	2368	2775	3283	3916	4701	5698	6954	8674	10673	12729
-7.5°	2008	2344	2746	3245	3868	4630	5598	6834	8483	10429	12456
-10°	1984	2315	2708	3192	3796	4534	5463	6647	8214	10083	12072
-12.5°	1960	2276	2660	3125	3700	4409	5291	6408	7865	9638	11574
-15°	1927	2233	2598	3038	3585	4256	5080	6110	7433	9091	10975
-17.5°	1884	2181	2526	2943	3451	4074	4836	5818	6988	8512	10285
-20°	1840	2118	2444	2832	3297	3892	4610	5483	6566	7898	9489



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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°	1788	2051	2358	2727	3173	3714	4366	5147	6101	7232	8665
-25°	1735	1984	2276	2617	3029	3518	4098	4783	5650	6666	7884
-27.5°	1677	1917	2185	2502	2871	3316	3848	4471	5195	6053	7079
-30°	1620	1840	2090	2377	2722	3130	3599	4122	4735	5497	6374
-32.5°	1558	1768	1999	2262	2569	2928	3336	3805	4337	4941	5679
-35°	1495	1687	1903	2142	2420	2737	3096	3494	3944	4471	5061
-37.5°	1433	1606	1802	2022	2272	2545	2866	3206	3594	4031	4515
-40°	1366	1524	1706	1907	2123	2358	2636	2928	3264	3623	4026
-42.5°	1308	1447	1610	1778	1979	2190	2415	2684	2957	3259	3585
-45°	1241	1371	1514	1673	1836	2022	2229	2439	2684	2928	3197
-47.5°	1174	1294	1428	1558	1706	1864	2037	2229	2420	2636	2866
-50°	1112	1222	1332	1452	1582	1716	1864	2022	2195	2368	2550
-52.5°	1045	1145	1246	1347	1462	1577	1701	1836	1979	2128	2276
-55°	978	1074	1160	1251	1342	1447	1553	1668	1778	1907	2027
-57.5°	915	997	1074	1155	1237	1318	1414	1505	1606	1706	1802
-60°	858	925	992	1064	1136	1208	1275	1356	1443	1519	1606
-62.5°	800	853	911	968	1030	1093	1155	1217	1289	1356	1423
-65°	738	786	834	882	935	987	1040	1088	1141	1203	1256
-67.5°	676	719	757	800	839	882	925	968	1011	1059	1107
-70°	618	647	685	719	748	776	810	848	887	930	968
-72.5°	556	580	609	642	657	666	690	719	757	800	839
-75°	479	513	527	546	556	551	551	561	599	652	700
-77.5°	393	417	436	455	451	446	436	427	460	503	546
-80°	307	326	345	359	359	345	331	312	345	388	431
-82.5°	235	249	259	268	268	259	249	235	264	292	326
-85°	158	173	177	187	182	173	168	158	177	197	221
-87.5°	82	86	91	91	91	86	82	77	86	96	105
-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°	120	120	120	120	115	120	120	125	129	115	101
85°	240	244	244	244	244	244	244	244	244	221	197
82.5°	359	374	383	398	407	407	403	398	388	350	307
80°	475	498	513	527	542	537	532	522	518	470	422
77.5°	590	618	637	652	666	671	666	666	661	618	566
75°	738	762	781	800	820	829	834	834	834	796	748
72.5°	872	901	930	959	983	997	1011	1021	1030	1011	983
70°	1011	1045	1078	1112	1145	1169	1189	1208	1217	1222	1222
67.5°	1155	1198	1241	1284	1323	1356	1380	1404	1423	1443	1452
65°	1313	1371	1423	1471	1514	1558	1591	1625	1653	1677	1692
62.5°	1491	1558	1620	1682	1730	1783	1836	1884	1922	1955	1979
60°	1687	1768	1845	1922	1999	2061	2128	2185	2233	2276	2315
57.5°	1907	2008	2104	2205	2291	2372	2454	2535	2607	2665	2713
55°	2152	2276	2401	2521	2641	2751	2856	2962	3058	3134	3201
52.5°	2435	2583	2741	2890	3053	3197	3331	3475	3604	3719	3815
50°	2737	2928	3134	3326	3537	3738	3920	4102	4285	4443	4572
47.5°	3091	3321	3590	3853	4112	4385	4639	4879	5128	5339	5516
45°	3475	3796	4112	4467	4793	5162	5511	5861	6168	6475	6734
42.5°	3930	4332	4735	5190	5636	6101	6595	7035	7496	7946	8320
40°	4471	4946	5502	6048	6666	7251	7951	8569	9154	9724	10208
37.5°	5066	5694	6379	7074	7912	8737	9556	10333	11028	11665	12173
35°	5751	6542	7357	8368	9365	10371	11310	12192	12983	13630	14167
32.5°	6537	7472	8598	9772	10927	12044	13165	14037	14862	15600	16232
30°	7371	8588	9901	11214	12475	13687	14818	15868	16827	17656	18365
27.5°	8349	9758	11219	12628	13980	15288	16573	17771	18820	19692	20574
25°	9317	10932	12494	13985	15446	16908	18322	19668	20895	21964	22918
22.5°	10337	12024	13673	15255	16913	18504	20052	21585	22994	24226	25300
20°	11282	13093	14775	16539	18336	20061	21801	23459	25031	26517	27739
17.5°	12125	13970	15806	17665	19625	21581	23469	25266	27058	28789	30313
15°	12877	14814	16697	18724	20838	22942	25046	27025	29043	30960	32666
12.5°	13544	15542	17545	19702	21911	24102	26407	28707	30945	33011	34861
10°	14095	16170	18317	20550	22846	25161	27643	30198	32594	34789	36802
7.5°	14512	16644	18887	21207	23627	26105	28698	31300	33835	36193	38302
5°	14809	16961	19266	21633	24154	26742	29507	32282	34870	37310	39466
2.5°	15077	17243	19592	21868	24437	27121	29891	32766	35412	37918	40319
0°	15149	17358	19731	22070	24566	27260	30083	32891	35604	38326	40583
-2.5°	15077	17243	19592	21868	24437	27121	29891	32766	35412	37918	40319
-5°	14809	16961	19266	21633	24154	26742	29507	32282	34870	37310	39466
-7.5°	14512	16644	18887	21207	23627	26105	28698	31300	33835	36193	38302
-10°	14095	16170	18317	20550	22846	25161	27643	30198	32594	34789	36802
-12.5°	13544	15542	17545	19702	21911	24102	26407	28707	30945	33011	34861
-15°	12877	14814	16697	18724	20838	22942	25046	27025	29043	30960	32666
-17.5°	12125	13970	15806	17665	19625	21581	23469	25266	27058	28789	30313
-20°	11282	13093	14775	16539	18336	20061	21801	23459	25031	26517	27739



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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°	10337	12024	13673	15255	16913	18504	20052	21585	22994	24226	25300
-25°	9317	10932	12494	13985	15446	16908	18322	19668	20895	21964	22918
-27.5°	8349	9758	11219	12628	13980	15288	16573	17771	18820	19692	20574
-30°	7371	8588	9901	11214	12475	13687	14818	15868	16827	17656	18365
-32.5°	6537	7472	8598	9772	10927	12044	13165	14037	14862	15600	16232
-35°	5751	6542	7357	8368	9365	10371	11310	12192	12983	13630	14167
-37.5°	5066	5694	6379	7074	7912	8737	9556	10333	11028	11665	12173
-40°	4471	4946	5502	6048	6666	7251	7951	8569	9154	9724	10208
-42.5°	3930	4332	4735	5190	5636	6101	6595	7035	7496	7946	8320
-45°	3475	3796	4112	4467	4793	5162	5511	5861	6168	6475	6734
-47.5°	3091	3321	3590	3853	4112	4385	4639	4879	5128	5339	5516
-50°	2737	2928	3134	3326	3537	3738	3920	4102	4285	4443	4572
-52.5°	2435	2583	2741	2890	3053	3197	3331	3475	3604	3719	3815
-55°	2152	2276	2401	2521	2641	2751	2856	2962	3058	3134	3201
-57.5°	1907	2008	2104	2205	2291	2372	2454	2535	2607	2665	2713
-60°	1687	1768	1845	1922	1999	2061	2128	2185	2233	2276	2315
-62.5°	1491	1558	1620	1682	1730	1783	1836	1884	1922	1955	1979
-65°	1313	1371	1423	1471	1514	1558	1591	1625	1653	1677	1692
-67.5°	1155	1198	1241	1284	1323	1356	1380	1404	1423	1443	1452
-70°	1011	1045	1078	1112	1145	1169	1189	1208	1217	1222	1222
-72.5°	872	901	930	959	983	997	1011	1021	1030	1011	983
-75°	738	762	781	800	820	829	834	834	834	796	748
-77.5°	590	618	637	652	666	671	666	666	661	618	566
-80°	475	498	513	527	542	537	532	522	518	470	422
-82.5°	359	374	383	398	407	407	403	398	388	350	307
-85°	240	244	244	244	244	244	244	244	244	221	197
-87.5°	120	120	120	120	115	120	120	125	129	115	101
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	82	67	62	53	62	67	82	101	115	129	125
85°	168	139	134	125	134	139	168	197	221	244	244
82.5°	268	221	211	201	211	221	268	307	350	388	398
80°	379	321	312	302	312	321	379	422	470	518	522
77.5°	513	460	441	427	441	460	513	566	618	661	666
75°	695	642	628	613	628	642	695	748	796	834	834
72.5°	949	925	887	853	887	925	949	983	1011	1030	1021
70°	1227	1237	1227	1213	1227	1237	1227	1222	1222	1217	1208
67.5°	1457	1467	1467	1471	1467	1467	1457	1452	1443	1423	1404
65°	1706	1711	1725	1730	1725	1711	1706	1692	1677	1653	1625
62.5°	1994	2008	2018	2018	2018	2008	1994	1979	1955	1922	1884
60°	2339	2358	2382	2387	2382	2358	2339	2315	2276	2233	2185
57.5°	2751	2775	2808	2818	2808	2775	2751	2713	2665	2607	2535
55°	3249	3283	3302	3292	3302	3283	3249	3201	3134	3058	2962
52.5°	3896	3954	3992	3973	3992	3954	3896	3815	3719	3604	3475
50°	4678	4749	4797	4783	4797	4749	4678	4572	4443	4285	4102
47.5°	5655	5756	5837	5842	5837	5756	5655	5516	5339	5128	4879
45°	6940	7088	7198	7179	7198	7088	6940	6734	6475	6168	5861
42.5°	8607	8813	8976	8962	8976	8813	8607	8320	7946	7496	7035
40°	10568	10822	11037	11095	11037	10822	10568	10208	9724	9154	8569
37.5°	12585	12911	13184	13155	13184	12911	12585	12173	11665	11028	10333
35°	14612	14953	15221	15245	15221	14953	14612	14167	13630	12983	12192
32.5°	16735	17114	17430	17473	17430	17114	16735	16232	15600	14862	14037
30°	18950	19405	19783	19860	19783	19405	18950	18365	17656	16827	15868
27.5°	21279	21820	22180	22319	22180	21820	21279	20574	19692	18820	17771
25°	23680	24269	24672	24897	24672	24269	23680	22918	21964	20895	19668
22.5°	26186	26886	27408	27658	27408	26886	26186	25300	24226	22994	21585
20°	28774	29536	30145	30404	30145	29536	28774	27739	26517	25031	23459
17.5°	31410	32340	33016	33346	33016	32340	31410	30313	28789	27058	25266
15°	33969	34957	35690	36044	35690	34957	33969	32666	30960	29043	27025
12.5°	36342	37386	38120	38632	38120	37386	36342	34861	33011	30945	28707
10°	38460	39600	40343	40875	40343	39600	38460	36802	34789	32594	30198
7.5°	40046	41489	42327	42850	42327	41489	40046	38302	36193	33835	31300
5°	41263	42855	43617	44110	43617	42855	41263	39466	37310	34870	32282
2.5°	42155	43411	44364	44858	44364	43411	42155	40319	37918	35412	32766
0°	42505	43981	44657	44978	44657	43981	42505	40583	38326	35604	32891
-2.5°	42155	43411	44364	44858	44364	43411	42155	40319	37918	35412	32766
-5°	41263	42855	43617	44110	43617	42855	41263	39466	37310	34870	32282
-7.5°	40046	41489	42327	42850	42327	41489	40046	38302	36193	33835	31300
-10°	38460	39600	40343	40875	40343	39600	38460	36802	34789	32594	30198
-12.5°	36342	37386	38120	38632	38120	37386	36342	34861	33011	30945	28707
-15°	33969	34957	35690	36044	35690	34957	33969	32666	30960	29043	27025
-17.5°	31410	32340	33016	33346	33016	32340	31410	30313	28789	27058	25266
-20°	28774	29536	30145	30404	30145	29536	28774	27739	26517	25031	23459



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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°	26186	26886	27408	27658	27408	26886	26186	25300	24226	22994	21585
-25°	23680	24269	24672	24897	24672	24269	23680	22918	21964	20895	19668
-27.5°	21279	21820	22180	22319	22180	21820	21279	20574	19692	18820	17771
-30°	18950	19405	19783	19860	19783	19405	18950	18365	17656	16827	15868
-32.5°	16735	17114	17430	17473	17430	17114	16735	16232	15600	14862	14037
-35°	14612	14953	15221	15245	15221	14953	14612	14167	13630	12983	12192
-37.5°	12585	12911	13184	13155	13184	12911	12585	12173	11665	11028	10333
-40°	10568	10822	11037	11095	11037	10822	10568	10208	9724	9154	8569
-42.5°	8607	8813	8976	8962	8976	8813	8607	8320	7946	7496	7035
-45°	6940	7088	7198	7179	7198	7088	6940	6734	6475	6168	5861
-47.5°	5655	5756	5837	5842	5837	5756	5655	5516	5339	5128	4879
-50°	4678	4749	4797	4783	4797	4749	4678	4572	4443	4285	4102
-52.5°	3896	3954	3992	3973	3992	3954	3896	3815	3719	3604	3475
-55°	3249	3283	3302	3292	3302	3283	3249	3201	3134	3058	2962
-57.5°	2751	2775	2808	2818	2808	2775	2751	2713	2665	2607	2535
-60°	2339	2358	2382	2387	2382	2358	2339	2315	2276	2233	2185
-62.5°	1994	2008	2018	2018	2018	2008	1994	1979	1955	1922	1884
-65°	1706	1711	1725	1730	1725	1711	1706	1692	1677	1653	1625
-67.5°	1457	1467	1467	1471	1467	1467	1457	1452	1443	1423	1404
-70°	1227	1237	1227	1213	1227	1237	1227	1222	1222	1217	1208
-72.5°	949	925	887	853	887	925	949	983	1011	1030	1021
-75°	695	642	628	613	628	642	695	748	796	834	834
-77.5°	513	460	441	427	441	460	513	566	618	661	666
-80°	379	321	312	302	312	321	379	422	470	518	522
-82.5°	268	221	211	201	211	221	268	307	350	388	398
-85°	168	139	134	125	134	139	168	197	221	244	244
-87.5°	82	67	62	53	62	67	82	101	115	129	125
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-S-SA6E-727-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°	120	120	115	120	120	120	120	105	96	86	77
85°	244	244	244	244	244	244	240	221	197	177	158
82.5°	403	407	407	398	383	374	359	326	292	264	235
80°	532	537	542	527	513	498	475	431	388	345	312
77.5°	666	671	666	652	637	618	590	546	503	460	427
75°	834	829	820	800	781	762	738	700	652	599	561
72.5°	1011	997	983	959	930	901	872	839	800	757	719
70°	1189	1169	1145	1112	1078	1045	1011	968	930	887	848
67.5°	1380	1356	1323	1284	1241	1198	1155	1107	1059	1011	968
65°	1591	1558	1514	1471	1423	1371	1313	1256	1203	1141	1088
62.5°	1836	1783	1730	1682	1620	1558	1491	1423	1356	1289	1217
60°	2128	2061	1999	1922	1845	1768	1687	1606	1519	1443	1356
57.5°	2454	2372	2291	2205	2104	2008	1907	1802	1706	1606	1505
55°	2856	2751	2641	2521	2401	2276	2152	2027	1907	1778	1668
52.5°	3331	3197	3053	2890	2741	2583	2435	2276	2128	1979	1836
50°	3920	3738	3537	3326	3134	2928	2737	2550	2368	2195	2022
47.5°	4639	4385	4112	3853	3590	3321	3091	2866	2636	2420	2229
45°	5511	5162	4793	4467	4112	3796	3475	3197	2928	2684	2439
42.5°	6595	6101	5636	5190	4735	4332	3930	3585	3259	2957	2684
40°	7951	7251	6666	6048	5502	4946	4471	4026	3623	3264	2928
37.5°	9556	8737	7912	7074	6379	5694	5066	4515	4031	3594	3206
35°	11310	10371	9365	8368	7357	6542	5751	5061	4471	3944	3494
32.5°	13165	12044	10927	9772	8598	7472	6537	5679	4941	4337	3805
30°	14818	13687	12475	11214	9901	8588	7371	6374	5497	4735	4122
27.5°	16573	15288	13980	12628	11219	9758	8349	7079	6053	5195	4471
25°	18322	16908	15446	13985	12494	10932	9317	7884	6666	5650	4783
22.5°	20052	18504	16913	15255	13673	12024	10337	8665	7232	6101	5147
20°	21801	20061	18336	16539	14775	13093	11282	9489	7898	6566	5483
17.5°	23469	21581	19625	17665	15806	13970	12125	10285	8512	6988	5818
15°	25046	22942	20838	18724	16697	14814	12877	10975	9091	7433	6110
12.5°	26407	24102	21911	19702	17545	15542	13544	11574	9638	7865	6408
10°	27643	25161	22846	20550	18317	16170	14095	12072	10083	8214	6647
7.5°	28698	26105	23627	21207	18887	16644	14512	12456	10429	8483	6834
5°	29507	26742	24154	21633	19266	16961	14809	12729	10673	8674	6954
2.5°	29891	27121	24437	21868	19592	17243	15077	12973	10879	8857	7083
0°	30083	27260	24566	22070	19731	17358	15149	13007	10874	8881	7093
-2.5°	29891	27121	24437	21868	19592	17243	15077	12973	10879	8857	7083
-5°	29507	26742	24154	21633	19266	16961	14809	12729	10673	8674	6954
-7.5°	28698	26105	23627	21207	18887	16644	14512	12456	10429	8483	6834
-10°	27643	25161	22846	20550	18317	16170	14095	12072	10083	8214	6647
-12.5°	26407	24102	21911	19702	17545	15542	13544	11574	9638	7865	6408
-15°	25046	22942	20838	18724	16697	14814	12877	10975	9091	7433	6110
-17.5°	23469	21581	19625	17665	15806	13970	12125	10285	8512	6988	5818
-20°	21801	20061	18336	16539	14775	13093	11282	9489	7898	6566	5483



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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°	20052	18504	16913	15255	13673	12024	10337	8665	7232	6101	5147
-25°	18322	16908	15446	13985	12494	10932	9317	7884	6666	5650	4783
-27.5°	16573	15288	13980	12628	11219	9758	8349	7079	6053	5195	4471
-30°	14818	13687	12475	11214	9901	8588	7371	6374	5497	4735	4122
-32.5°	13165	12044	10927	9772	8598	7472	6537	5679	4941	4337	3805
-35°	11310	10371	9365	8368	7357	6542	5751	5061	4471	3944	3494
-37.5°	9556	8737	7912	7074	6379	5694	5066	4515	4031	3594	3206
-40°	7951	7251	6666	6048	5502	4946	4471	4026	3623	3264	2928
-42.5°	6595	6101	5636	5190	4735	4332	3930	3585	3259	2957	2684
-45°	5511	5162	4793	4467	4112	3796	3475	3197	2928	2684	2439
-47.5°	4639	4385	4112	3853	3590	3321	3091	2866	2636	2420	2229
-50°	3920	3738	3537	3326	3134	2928	2737	2550	2368	2195	2022
-52.5°	3331	3197	3053	2890	2741	2583	2435	2276	2128	1979	1836
-55°	2856	2751	2641	2521	2401	2276	2152	2027	1907	1778	1668
-57.5°	2454	2372	2291	2205	2104	2008	1907	1802	1706	1606	1505
-60°	2128	2061	1999	1922	1845	1768	1687	1606	1519	1443	1356
-62.5°	1836	1783	1730	1682	1620	1558	1491	1423	1356	1289	1217
-65°	1591	1558	1514	1471	1423	1371	1313	1256	1203	1141	1088
-67.5°	1380	1356	1323	1284	1241	1198	1155	1107	1059	1011	968
-70°	1189	1169	1145	1112	1078	1045	1011	968	930	887	848
-72.5°	1011	997	983	959	930	901	872	839	800	757	719
-75°	834	829	820	800	781	762	738	700	652	599	561
-77.5°	666	671	666	652	637	618	590	546	503	460	427
-80°	532	537	542	527	513	498	475	431	388	345	312
-82.5°	403	407	407	398	383	374	359	326	292	264	235
-85°	244	244	244	244	244	244	240	221	197	177	158
-87.5°	120	120	115	120	120	120	120	105	96	86	77
-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°	82	86	91	91	91	86	82	77	67	62	58
85°	168	173	182	187	177	173	158	149	139	125	115
82.5°	249	259	268	268	259	249	235	221	206	187	168
80°	331	345	359	359	345	326	307	288	268	244	221
77.5°	436	446	451	455	436	417	393	359	331	302	273
75°	551	551	556	546	527	513	479	441	398	359	321
72.5°	690	666	657	642	609	580	556	522	465	412	369
70°	810	776	748	719	685	647	618	575	527	465	412
67.5°	925	882	839	800	757	719	676	623	570	513	455
65°	1040	987	935	882	834	786	738	676	613	556	494
62.5°	1155	1093	1030	968	911	853	800	729	657	594	527
60°	1275	1208	1136	1064	992	925	858	781	705	628	561
57.5°	1414	1318	1237	1155	1074	997	915	834	752	671	590
55°	1553	1447	1342	1251	1160	1074	978	887	796	709	618
52.5°	1701	1577	1462	1347	1246	1145	1045	949	844	748	637
50°	1864	1716	1582	1452	1332	1222	1112	1002	891	786	661
47.5°	2037	1864	1706	1558	1428	1294	1174	1059	939	829	685
45°	2229	2022	1836	1673	1514	1371	1241	1112	987	858	700
42.5°	2415	2190	1979	1778	1610	1447	1308	1169	1035	882	724
40°	2636	2358	2123	1907	1706	1524	1366	1222	1083	911	743
37.5°	2866	2545	2272	2022	1802	1606	1433	1270	1117	939	762
35°	3096	2737	2420	2142	1903	1687	1495	1323	1150	963	781
32.5°	3336	2928	2569	2262	1999	1768	1558	1371	1189	992	796
30°	3599	3130	2722	2377	2090	1840	1620	1419	1227	1016	810
27.5°	3848	3316	2871	2502	2185	1917	1677	1467	1270	1040	829
25°	4098	3518	3029	2617	2276	1984	1735	1510	1308	1069	844
22.5°	4366	3714	3173	2727	2358	2051	1788	1558	1342	1098	858
20°	4610	3892	3297	2832	2444	2118	1840	1596	1371	1126	872
17.5°	4836	4074	3451	2943	2526	2181	1884	1629	1399	1150	882
15°	5080	4256	3585	3038	2598	2233	1927	1663	1423	1174	887
12.5°	5291	4409	3700	3125	2660	2276	1960	1687	1447	1198	896
10°	5463	4534	3796	3192	2708	2315	1984	1711	1462	1213	901
7.5°	5598	4630	3868	3245	2746	2344	2008	1725	1476	1227	901
5°	5698	4701	3916	3283	2775	2368	2027	1740	1491	1246	906
2.5°	5789	4778	3954	3316	2799	2387	2042	1749	1491	1241	896
0°	5804	4793	3949	3316	2799	2392	2042	1749	1486	1237	887
-2.5°	5789	4778	3954	3316	2799	2387	2042	1749	1491	1241	896
-5°	5698	4701	3916	3283	2775	2368	2027	1740	1491	1246	906
-7.5°	5598	4630	3868	3245	2746	2344	2008	1725	1476	1227	901
-10°	5463	4534	3796	3192	2708	2315	1984	1711	1462	1213	901
-12.5°	5291	4409	3700	3125	2660	2276	1960	1687	1447	1198	896
-15°	5080	4256	3585	3038	2598	2233	1927	1663	1423	1174	887
-17.5°	4836	4074	3451	2943	2526	2181	1884	1629	1399	1150	882
-20°	4610	3892	3297	2832	2444	2118	1840	1596	1371	1126	872



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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°	4366	3714	3173	2727	2358	2051	1788	1558	1342	1098	858
-25°	4098	3518	3029	2617	2276	1984	1735	1510	1308	1069	844
-27.5°	3848	3316	2871	2502	2185	1917	1677	1467	1270	1040	829
-30°	3599	3130	2722	2377	2090	1840	1620	1419	1227	1016	810
-32.5°	3336	2928	2569	2262	1999	1768	1558	1371	1189	992	796
-35°	3096	2737	2420	2142	1903	1687	1495	1323	1150	963	781
-37.5°	2866	2545	2272	2022	1802	1606	1433	1270	1117	939	762
-40°	2636	2358	2123	1907	1706	1524	1366	1222	1083	911	743
-42.5°	2415	2190	1979	1778	1610	1447	1308	1169	1035	882	724
-45°	2229	2022	1836	1673	1514	1371	1241	1112	987	858	700
-47.5°	2037	1864	1706	1558	1428	1294	1174	1059	939	829	685
-50°	1864	1716	1582	1452	1332	1222	1112	1002	891	786	661
-52.5°	1701	1577	1462	1347	1246	1145	1045	949	844	748	637
-55°	1553	1447	1342	1251	1160	1074	978	887	796	709	618
-57.5°	1414	1318	1237	1155	1074	997	915	834	752	671	590
-60°	1275	1208	1136	1064	992	925	858	781	705	628	561
-62.5°	1155	1093	1030	968	911	853	800	729	657	594	527
-65°	1040	987	935	882	834	786	738	676	613	556	494
-67.5°	925	882	839	800	757	719	676	623	570	513	455
-70°	810	776	748	719	685	647	618	575	527	465	412
-72.5°	690	666	657	642	609	580	556	522	465	412	369
-75°	551	551	556	546	527	513	479	441	398	359	321
-77.5°	436	446	451	455	436	417	393	359	331	302	273
-80°	331	345	359	359	345	326	307	288	268	244	221
-82.5°	249	259	268	268	259	249	235	221	206	187	168
-85°	168	173	182	187	177	173	158	149	139	125	115
-87.5°	82	86	91	91	91	86	82	77	67	62	58
-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°	48	38	29	19	10	5	0
85°	101	77	53	34	19	10	0
82.5°	149	110	82	53	34	14	0
80°	197	149	105	72	43	19	0
77.5°	240	182	134	86	53	24	0
75°	278	211	158	105	62	29	0
72.5°	316	240	177	120	72	34	0
70°	355	268	197	139	82	38	0
67.5°	383	292	216	149	91	43	0
65°	407	316	230	158	101	43	0
62.5°	431	336	244	168	110	48	0
60°	460	355	264	177	115	53	0
57.5°	479	369	273	187	120	58	0
55°	498	388	283	197	129	62	0
52.5°	518	403	297	201	134	62	0
50°	532	417	307	206	139	67	0
47.5°	551	427	312	211	144	72	0
45°	566	441	321	216	149	72	0
42.5°	580	451	326	221	149	77	0
40°	594	455	336	230	153	82	0
37.5°	604	465	340	235	158	82	0
35°	609	470	345	240	163	86	0
32.5°	618	479	350	249	163	86	0
30°	633	479	350	254	168	86	0
27.5°	642	484	359	254	168	91	0
25°	647	484	364	259	173	91	0
22.5°	652	489	369	264	173	91	0
20°	657	494	374	268	177	96	0
17.5°	661	503	379	268	177	96	0
15°	671	508	379	268	177	101	0
12.5°	676	508	379	273	177	101	0
10°	681	513	379	273	182	96	0
7.5°	681	513	383	273	182	96	0
5°	681	518	379	273	177	96	0
2.5°	671	518	379	268	177	96	0
0°	666	513	374	268	177	96	0
-2.5°	671	518	379	268	177	96	0
-5°	681	518	379	273	177	96	0
-7.5°	681	513	383	273	182	96	0
-10°	681	513	379	273	182	96	0
-12.5°	676	508	379	273	177	101	0
-15°	671	508	379	268	177	101	0
-17.5°	661	503	379	268	177	96	0
-20°	657	494	374	268	177	96	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	652	489	369	264	173	91	0
-25°	647	484	364	259	173	91	0
-27.5°	642	484	359	254	168	91	0
-30°	633	479	350	254	168	86	0
-32.5°	618	479	350	249	163	86	0
-35°	609	470	345	240	163	86	0
-37.5°	604	465	340	235	158	82	0
-40°	594	455	336	230	153	82	0
-42.5°	580	451	326	221	149	77	0
-45°	566	441	321	216	149	72	0
-47.5°	551	427	312	211	144	72	0
-50°	532	417	307	206	139	67	0
-52.5°	518	403	297	201	134	62	0
-55°	498	388	283	197	129	62	0
-57.5°	479	369	273	187	120	58	0
-60°	460	355	264	177	115	53	0
-62.5°	431	336	244	168	110	48	0
-65°	407	316	230	158	101	43	0
-67.5°	383	292	216	149	91	43	0
-70°	355	268	197	139	82	38	0
-72.5°	316	240	177	120	72	34	0
-75°	278	211	158	105	62	29	0
-77.5°	240	182	134	86	53	24	0
-80°	197	149	105	72	43	19	0
-82.5°	149	110	82	53	34	14	0
-85°	101	77	53	34	19	10	0
-87.5°	48	38	29	19	10	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)