

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: P622288

Luminaire Tested: **IFLD-L-SA8D-760-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622288
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-760-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (128) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

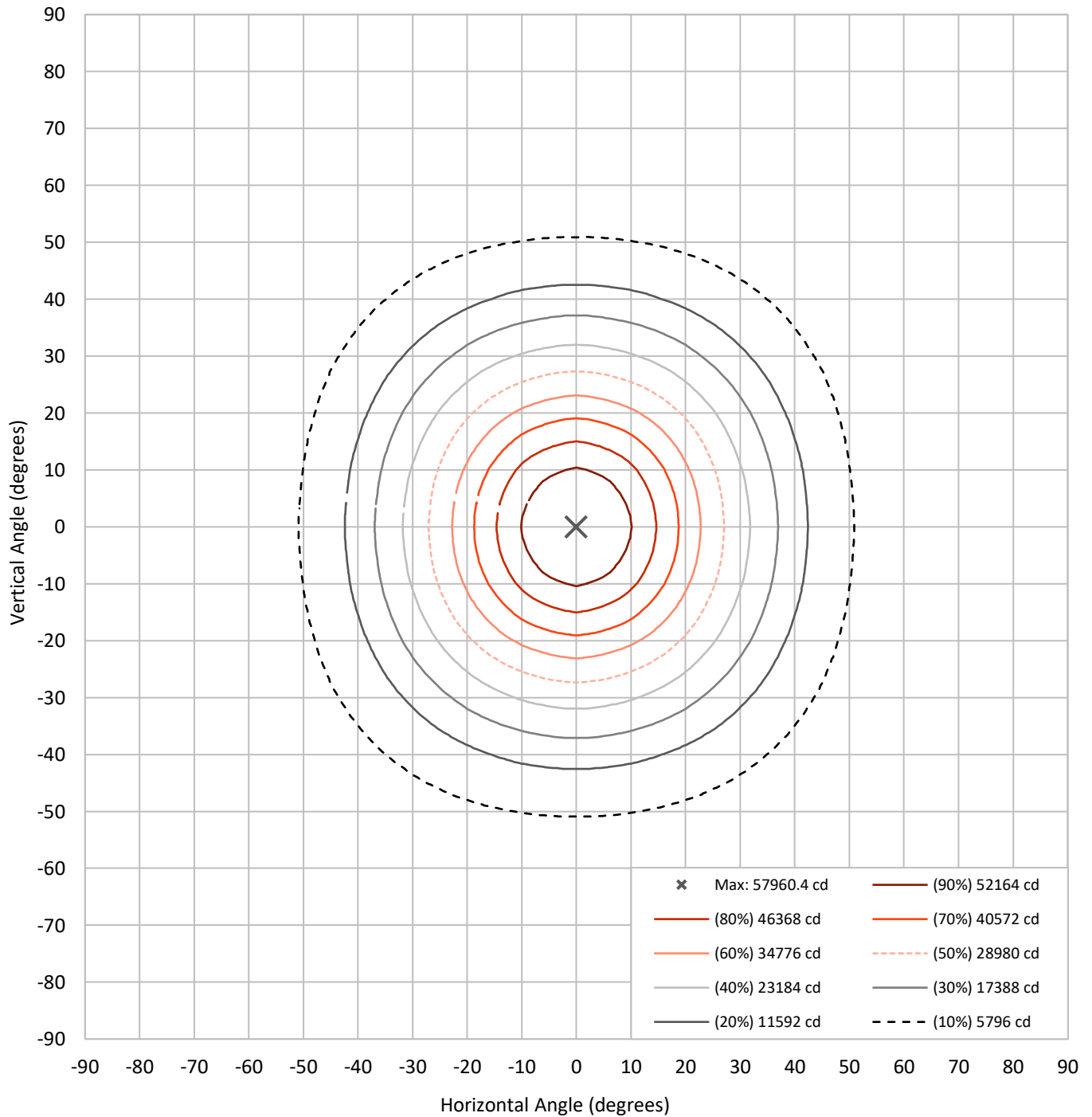
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	60114.5 lumens	Max Intensity:	57960.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.1 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:	28903.2 lumens	Field Lumens:	52756.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	488.3		
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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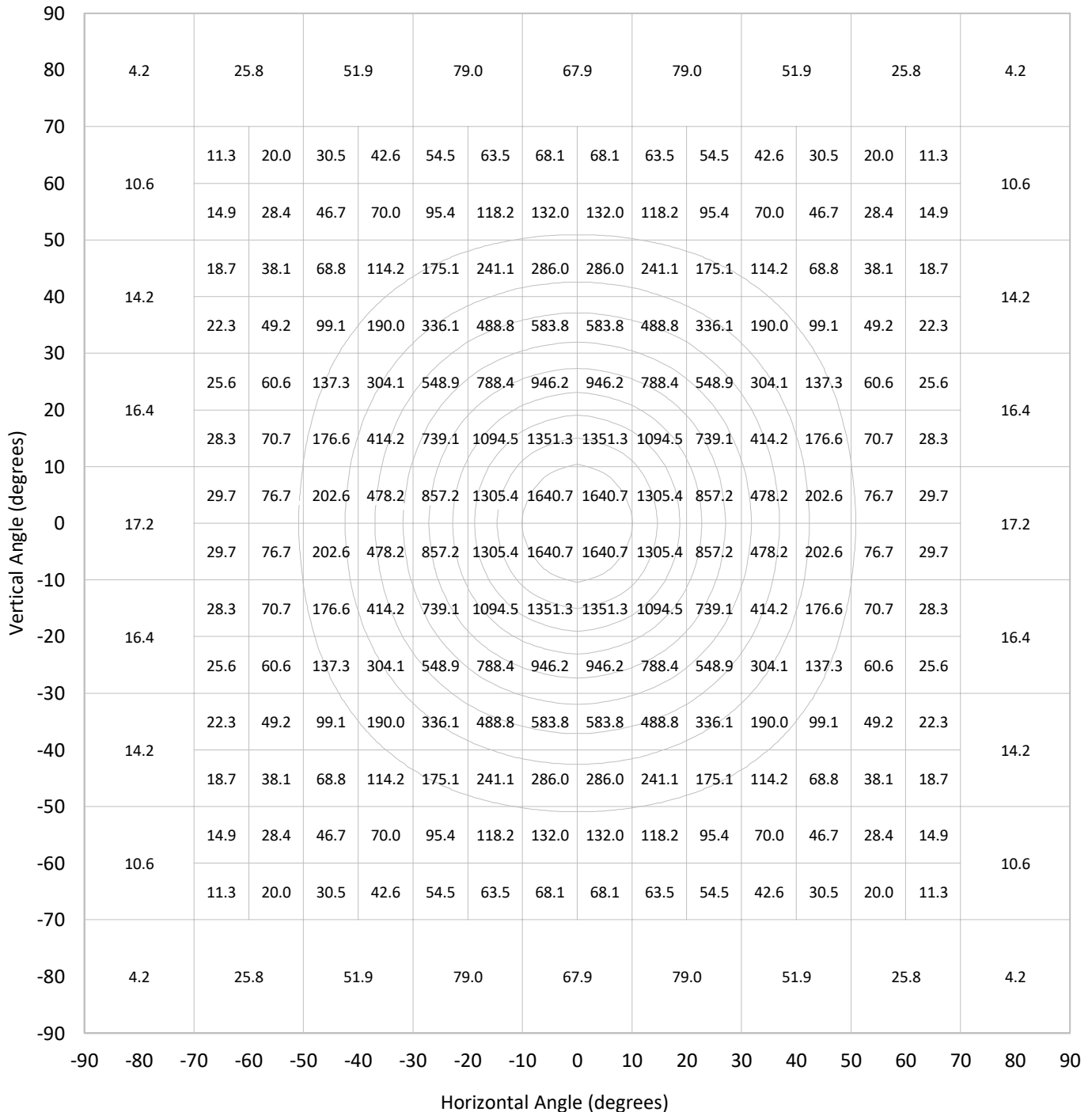
Iso-Candela Plot





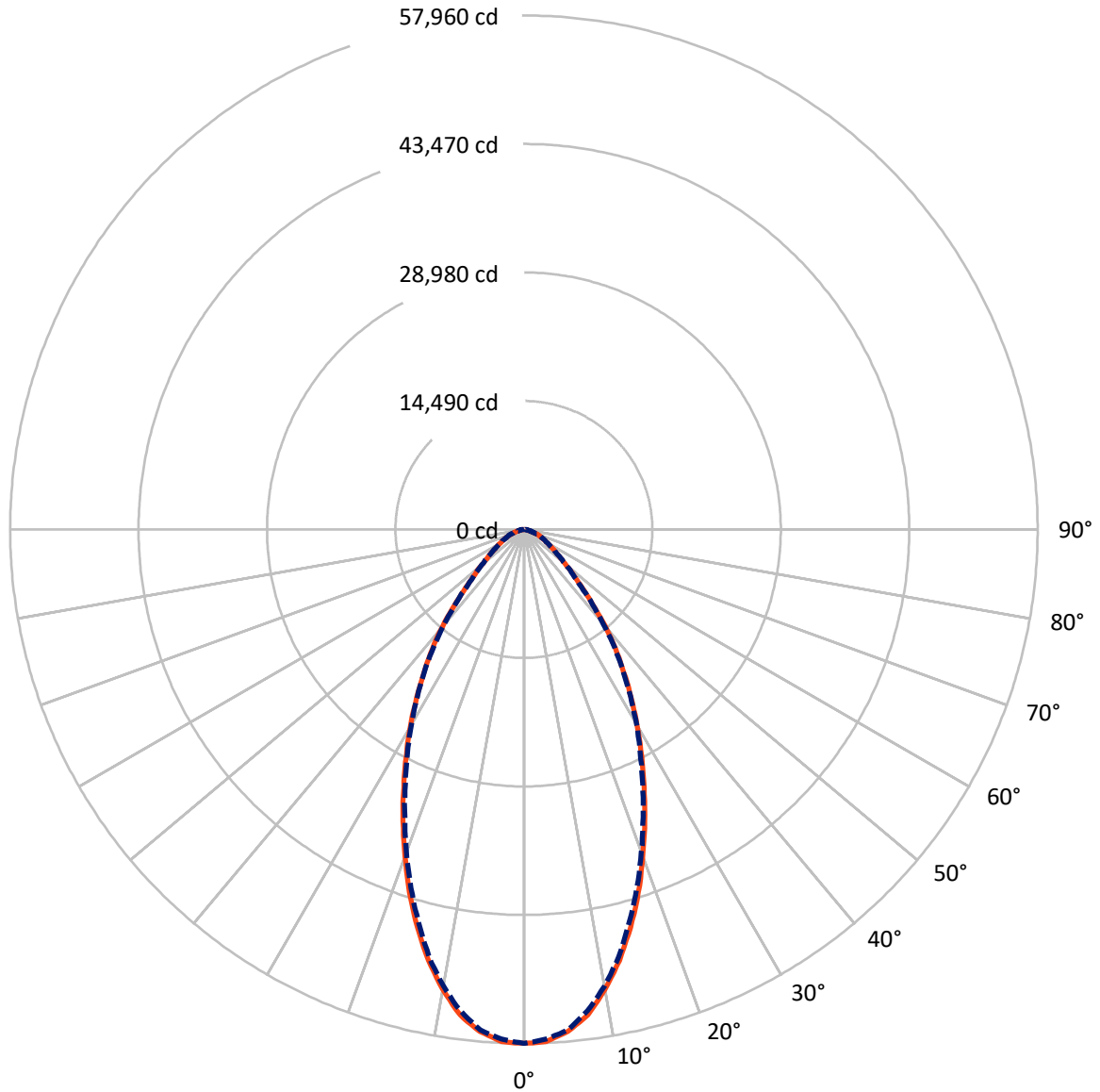
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Lumen Table



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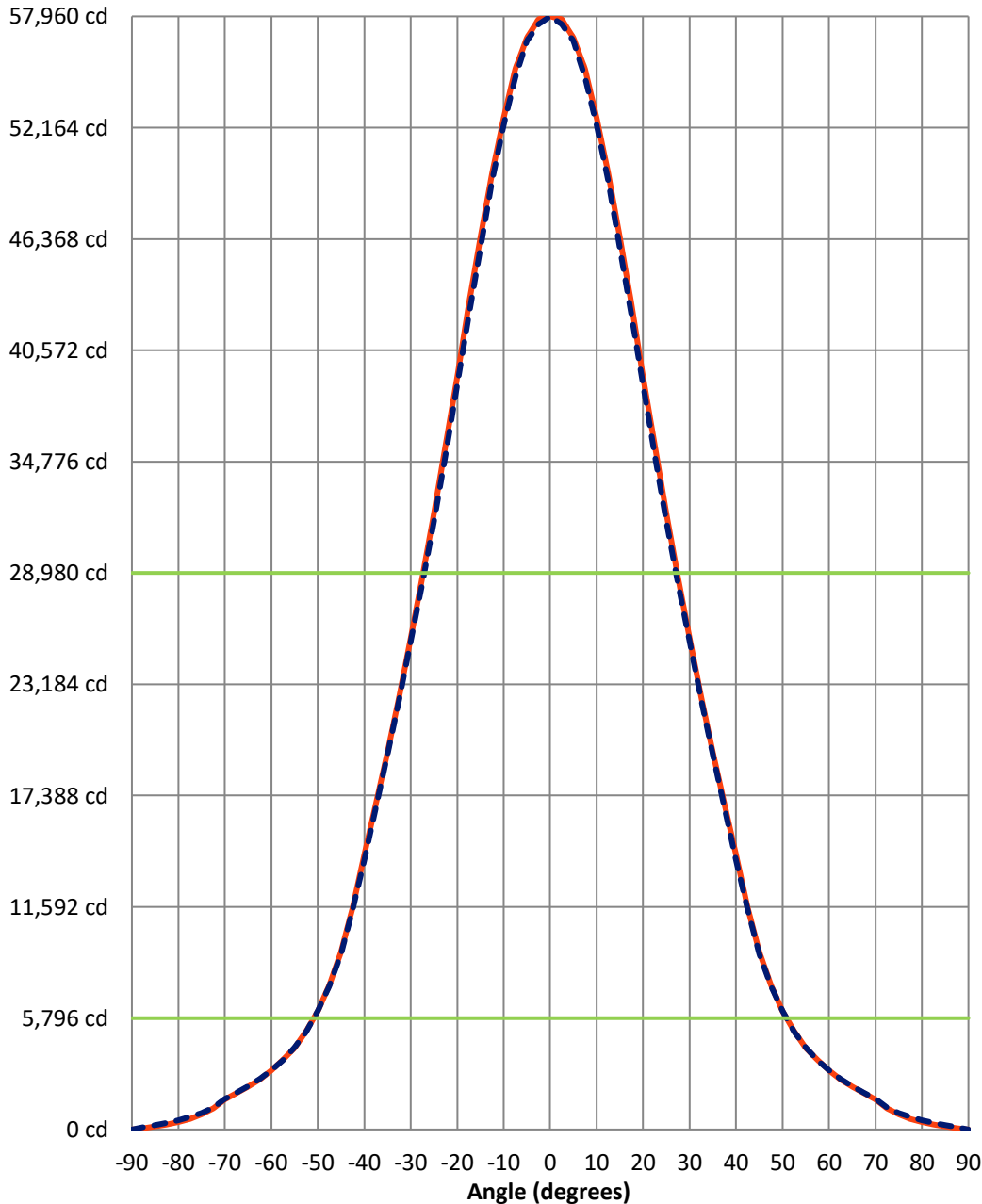
Luminous Intensity Polar Plot



— 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: 28903.2
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 52756.4
 Efficiency: 87.8%

Spill:
 Lumens: 7358.1
 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	6	12	25	37	49	62	74	80	87	99
85°	0	12	25	43	68	99	130	148	161	179	192
82.5°	0	19	43	68	105	142	192	216	241	266	284
80°	0	25	56	93	136	192	253	284	315	346	371
77.5°	0	31	68	111	173	235	309	352	389	426	463
75°	0	37	80	136	204	272	358	414	463	513	568
72.5°	0	43	93	154	229	309	408	476	531	599	673
70°	0	49	105	179	253	346	457	531	599	679	741
67.5°	0	56	117	192	278	377	494	587	661	735	803
65°	0	56	130	204	296	408	525	636	716	791	871
62.5°	0	62	142	216	315	432	556	679	766	846	939
60°	0	68	148	229	340	457	593	723	809	908	1007
57.5°	0	74	154	241	352	476	618	760	865	970	1075
55°	0	80	167	253	364	500	642	797	914	1025	1143
52.5°	0	80	173	259	383	519	667	821	963	1087	1223
50°	0	87	179	266	395	537	686	852	1013	1149	1291
47.5°	0	93	185	272	401	550	710	883	1068	1211	1365
45°	0	93	192	278	414	568	729	902	1106	1272	1433
42.5°	0	99	192	284	420	581	747	933	1136	1334	1507
40°	0	105	198	296	432	587	766	957	1173	1396	1575
37.5°	0	105	204	303	439	599	778	982	1211	1439	1637
35°	0	111	210	309	445	605	784	1007	1241	1482	1705
32.5°	0	111	210	321	451	618	797	1025	1278	1532	1766
30°	0	111	216	327	451	618	815	1044	1309	1581	1828
27.5°	0	117	216	327	463	624	828	1068	1340	1637	1890
25°	0	117	222	334	469	624	834	1087	1377	1686	1945
22.5°	0	117	222	340	476	630	840	1106	1414	1729	2007
20°	0	124	229	346	482	636	846	1124	1451	1766	2057
17.5°	0	124	229	346	488	649	852	1136	1482	1803	2100
15°	0	130	229	346	488	655	865	1143	1513	1834	2143
12.5°	0	130	229	352	488	655	871	1155	1544	1865	2174
10°	0	124	235	352	488	661	877	1161	1563	1884	2205
7.5°	0	124	235	352	494	661	877	1161	1581	1902	2223
5°	0	124	229	352	488	667	877	1167	1606	1921	2242
2.5°	0	124	229	346	488	667	865	1155	1600	1921	2254
0°	0	124	229	346	482	661	858	1143	1593	1915	2254
-2.5°	0	124	229	346	488	667	865	1155	1600	1921	2254
-5°	0	124	229	352	488	667	877	1167	1606	1921	2242
-7.5°	0	124	235	352	494	661	877	1161	1581	1902	2223
-10°	0	124	235	352	488	661	877	1161	1563	1884	2205
-12.5°	0	130	229	352	488	655	871	1155	1544	1865	2174
-15°	0	130	229	346	488	655	865	1143	1513	1834	2143
-17.5°	0	124	229	346	488	649	852	1136	1482	1803	2100
-20°	0	124	229	346	482	636	846	1124	1451	1766	2057



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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	117	222	340	476	630	840	1106	1414	1729	2007
-25°	0	117	222	334	469	624	834	1087	1377	1686	1945
-27.5°	0	117	216	327	463	624	828	1068	1340	1637	1890
-30°	0	111	216	327	451	618	815	1044	1309	1581	1828
-32.5°	0	111	210	321	451	618	797	1025	1278	1532	1766
-35°	0	111	210	309	445	605	784	1007	1241	1482	1705
-37.5°	0	105	204	303	439	599	778	982	1211	1439	1637
-40°	0	105	198	296	432	587	766	957	1173	1396	1575
-42.5°	0	99	192	284	420	581	747	933	1136	1334	1507
-45°	0	93	192	278	414	568	729	902	1106	1272	1433
-47.5°	0	93	185	272	401	550	710	883	1068	1211	1365
-50°	0	87	179	266	395	537	686	852	1013	1149	1291
-52.5°	0	80	173	259	383	519	667	821	963	1087	1223
-55°	0	80	167	253	364	500	642	797	914	1025	1143
-57.5°	0	74	154	241	352	476	618	760	865	970	1075
-60°	0	68	148	229	340	457	593	723	809	908	1007
-62.5°	0	62	142	216	315	432	556	679	766	846	939
-65°	0	56	130	204	296	408	525	636	716	791	871
-67.5°	0	56	117	192	278	377	494	587	661	735	803
-70°	0	49	105	179	253	346	457	531	599	679	741
-72.5°	0	43	93	154	229	309	408	476	531	599	673
-75°	0	37	80	136	204	272	358	414	463	513	568
-77.5°	0	31	68	111	173	235	309	352	389	426	463
-80°	0	25	56	93	136	192	253	284	315	346	371
-82.5°	0	19	43	68	105	142	192	216	241	266	284
-85°	0	12	25	43	68	99	130	148	161	179	192
-87.5°	0	6	12	25	37	49	62	74	80	87	99
-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°	105	111	117	117	117	111	105	99	111	124	136
85°	204	222	229	241	235	222	216	204	229	253	284
82.5°	303	321	334	346	346	334	321	303	340	377	420
80°	395	420	445	463	463	445	426	401	445	500	556
77.5°	506	537	562	587	581	574	562	550	593	649	704
75°	618	661	679	704	716	710	710	723	772	840	902
72.5°	716	747	784	828	846	858	889	926	976	1031	1081
70°	797	834	883	926	963	1001	1044	1093	1143	1198	1248
67.5°	871	926	976	1031	1081	1136	1192	1248	1303	1365	1427
65°	951	1013	1075	1136	1204	1272	1340	1402	1470	1550	1618
62.5°	1031	1099	1173	1248	1328	1408	1488	1569	1661	1748	1834
60°	1106	1192	1278	1371	1464	1556	1643	1748	1859	1958	2069
57.5°	1180	1285	1383	1488	1593	1698	1822	1939	2069	2199	2322
55°	1260	1383	1495	1612	1729	1865	2001	2149	2291	2458	2612
52.5°	1346	1476	1606	1735	1884	2032	2192	2365	2551	2742	2934
50°	1433	1575	1717	1871	2038	2211	2402	2606	2829	3051	3286
47.5°	1513	1668	1840	2007	2199	2402	2625	2872	3119	3397	3693
45°	1600	1766	1952	2155	2365	2606	2872	3144	3459	3774	4119
42.5°	1686	1865	2075	2291	2551	2822	3113	3459	3811	4200	4620
40°	1760	1964	2199	2458	2736	3039	3397	3774	4206	4669	5188
37.5°	1847	2069	2322	2606	2927	3279	3693	4132	4632	5194	5818
35°	1927	2174	2452	2761	3119	3526	3990	4502	5083	5762	6522
32.5°	2007	2279	2575	2915	3310	3774	4298	4904	5589	6367	7318
30°	2087	2372	2693	3063	3508	4033	4638	5311	6102	7084	8214
27.5°	2162	2470	2816	3224	3699	4274	4959	5762	6695	7800	9122
25°	2236	2557	2934	3372	3903	4533	5280	6164	7281	8591	10159
22.5°	2304	2643	3039	3514	4088	4786	5626	6633	7862	9319	11166
20°	2372	2730	3150	3650	4249	5015	5941	7065	8461	10178	12228
17.5°	2427	2810	3255	3792	4447	5250	6231	7498	9004	10968	13253
15°	2483	2878	3347	3916	4620	5484	6546	7874	9579	11716	14143
12.5°	2526	2934	3428	4027	4768	5682	6818	8257	10135	12420	14915
10°	2557	2983	3489	4113	4891	5842	7041	8566	10585	12994	15557
7.5°	2588	3020	3539	4181	4984	5966	7213	8807	10931	13439	16051
5°	2612	3051	3576	4231	5046	6059	7343	8961	11178	13754	16403
2.5°	2631	3076	3607	4274	5095	6157	7460	9128	11413	14019	16718
0°	2631	3082	3607	4274	5089	6176	7479	9140	11444	14013	16761
-2.5°	2631	3076	3607	4274	5095	6157	7460	9128	11413	14019	16718
-5°	2612	3051	3576	4231	5046	6059	7343	8961	11178	13754	16403
-7.5°	2588	3020	3539	4181	4984	5966	7213	8807	10931	13439	16051
-10°	2557	2983	3489	4113	4891	5842	7041	8566	10585	12994	15557
-12.5°	2526	2934	3428	4027	4768	5682	6818	8257	10135	12420	14915
-15°	2483	2878	3347	3916	4620	5484	6546	7874	9579	11716	14143
-17.5°	2427	2810	3255	3792	4447	5250	6231	7498	9004	10968	13253
-20°	2372	2730	3150	3650	4249	5015	5941	7065	8461	10178	12228



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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°	2304	2643	3039	3514	4088	4786	5626	6633	7862	9319	11166
-25°	2236	2557	2934	3372	3903	4533	5280	6164	7281	8591	10159
-27.5°	2162	2470	2816	3224	3699	4274	4959	5762	6695	7800	9122
-30°	2087	2372	2693	3063	3508	4033	4638	5311	6102	7084	8214
-32.5°	2007	2279	2575	2915	3310	3774	4298	4904	5589	6367	7318
-35°	1927	2174	2452	2761	3119	3526	3990	4502	5083	5762	6522
-37.5°	1847	2069	2322	2606	2927	3279	3693	4132	4632	5194	5818
-40°	1760	1964	2199	2458	2736	3039	3397	3774	4206	4669	5188
-42.5°	1686	1865	2075	2291	2551	2822	3113	3459	3811	4200	4620
-45°	1600	1766	1952	2155	2365	2606	2872	3144	3459	3774	4119
-47.5°	1513	1668	1840	2007	2199	2402	2625	2872	3119	3397	3693
-50°	1433	1575	1717	1871	2038	2211	2402	2606	2829	3051	3286
-52.5°	1346	1476	1606	1735	1884	2032	2192	2365	2551	2742	2934
-55°	1260	1383	1495	1612	1729	1865	2001	2149	2291	2458	2612
-57.5°	1180	1285	1383	1488	1593	1698	1822	1939	2069	2199	2322
-60°	1106	1192	1278	1371	1464	1556	1643	1748	1859	1958	2069
-62.5°	1031	1099	1173	1248	1328	1408	1488	1569	1661	1748	1834
-65°	951	1013	1075	1136	1204	1272	1340	1402	1470	1550	1618
-67.5°	871	926	976	1031	1081	1136	1192	1248	1303	1365	1427
-70°	797	834	883	926	963	1001	1044	1093	1143	1198	1248
-72.5°	716	747	784	828	846	858	889	926	976	1031	1081
-75°	618	661	679	704	716	710	710	723	772	840	902
-77.5°	506	537	562	587	581	574	562	550	593	649	704
-80°	395	420	445	463	463	445	426	401	445	500	556
-82.5°	303	321	334	346	346	334	321	303	340	377	420
-85°	204	222	229	241	235	222	216	204	229	253	284
-87.5°	105	111	117	117	117	111	105	99	111	124	136
-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°	154	154	154	154	148	154	154	161	167	148	130
85°	309	315	315	315	315	315	315	315	315	284	253
82.5°	463	482	494	513	525	525	519	513	500	451	395
80°	611	642	661	679	698	692	686	673	667	605	544
77.5°	760	797	821	840	858	865	858	858	852	797	729
75°	951	982	1007	1031	1056	1068	1075	1075	1075	1025	963
72.5°	1124	1161	1198	1235	1266	1285	1303	1316	1328	1303	1266
70°	1303	1346	1390	1433	1476	1507	1532	1556	1569	1575	1575
67.5°	1488	1544	1600	1655	1705	1748	1779	1810	1834	1859	1871
65°	1692	1766	1834	1896	1952	2007	2050	2094	2131	2162	2180
62.5°	1921	2007	2087	2168	2230	2297	2365	2427	2477	2520	2551
60°	2174	2279	2378	2477	2575	2656	2742	2816	2878	2934	2983
57.5°	2458	2588	2711	2841	2952	3057	3162	3267	3360	3434	3496
55°	2773	2934	3094	3249	3403	3545	3681	3817	3940	4039	4126
52.5°	3137	3329	3533	3724	3934	4119	4292	4478	4644	4793	4916
50°	3526	3774	4039	4286	4558	4817	5052	5287	5521	5725	5892
47.5°	3983	4280	4626	4965	5299	5651	5978	6287	6608	6880	7108
45°	4478	4891	5299	5756	6176	6651	7102	7553	7948	8344	8677
42.5°	5064	5583	6102	6689	7263	7862	8498	9066	9659	10240	10721
40°	5762	6374	7090	7794	8591	9344	10246	11042	11796	12531	13155
37.5°	6528	7337	8220	9116	10196	11259	12315	13315	14211	15032	15687
35°	7411	8430	9480	10783	12068	13365	14575	15711	16730	17564	18256
32.5°	8424	9628	11080	12593	14081	15520	16965	18089	19151	20102	20918
30°	9499	11067	12759	14452	16076	17638	19096	20448	21683	22752	23666
27.5°	10758	12574	14458	16273	18015	19701	21356	22900	24253	25377	26513
25°	12006	14087	16101	18021	19905	21788	23610	25346	26927	28304	29533
22.5°	13321	15495	17620	19658	21795	23845	25840	27816	29632	31219	32602
20°	14538	16873	19040	21313	23629	25852	28094	30231	32257	34171	35746
17.5°	15625	18003	20368	22764	25290	27810	30243	32559	34869	37098	39062
15°	16595	19090	21517	24129	26853	29564	32275	34826	37426	39896	42095
12.5°	17453	20028	22610	25389	28236	31058	34029	36993	39878	42539	44923
10°	18163	20837	23604	26482	29440	32423	35622	38914	42002	44831	47424
7.5°	18701	21449	24339	27328	30447	33640	36981	40335	43602	46640	49358
5°	19083	21856	24827	27878	31126	34461	38025	41601	44936	48079	50858
2.5°	19429	22221	25247	28181	31491	34949	38519	42224	45633	48863	51958
0°	19522	22369	25426	28440	31658	35128	38766	42385	45881	49388	52297
-2.5°	19429	22221	25247	28181	31491	34949	38519	42224	45633	48863	51958
-5°	19083	21856	24827	27878	31126	34461	38025	41601	44936	48079	50858
-7.5°	18701	21449	24339	27328	30447	33640	36981	40335	43602	46640	49358
-10°	18163	20837	23604	26482	29440	32423	35622	38914	42002	44831	47424
-12.5°	17453	20028	22610	25389	28236	31058	34029	36993	39878	42539	44923
-15°	16595	19090	21517	24129	26853	29564	32275	34826	37426	39896	42095
-17.5°	15625	18003	20368	22764	25290	27810	30243	32559	34869	37098	39062
-20°	14538	16873	19040	21313	23629	25852	28094	30231	32257	34171	35746



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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°	13321	15495	17620	19658	21795	23845	25840	27816	29632	31219	32602
-25°	12006	14087	16101	18021	19905	21788	23610	25346	26927	28304	29533
-27.5°	10758	12574	14458	16273	18015	19701	21356	22900	24253	25377	26513
-30°	9499	11067	12759	14452	16076	17638	19096	20448	21683	22752	23666
-32.5°	8424	9628	11080	12593	14081	15520	16965	18089	19151	20102	20918
-35°	7411	8430	9480	10783	12068	13365	14575	15711	16730	17564	18256
-37.5°	6528	7337	8220	9116	10196	11259	12315	13315	14211	15032	15687
-40°	5762	6374	7090	7794	8591	9344	10246	11042	11796	12531	13155
-42.5°	5064	5583	6102	6689	7263	7862	8498	9066	9659	10240	10721
-45°	4478	4891	5299	5756	6176	6651	7102	7553	7948	8344	8677
-47.5°	3983	4280	4626	4965	5299	5651	5978	6287	6608	6880	7108
-50°	3526	3774	4039	4286	4558	4817	5052	5287	5521	5725	5892
-52.5°	3137	3329	3533	3724	3934	4119	4292	4478	4644	4793	4916
-55°	2773	2934	3094	3249	3403	3545	3681	3817	3940	4039	4126
-57.5°	2458	2588	2711	2841	2952	3057	3162	3267	3360	3434	3496
-60°	2174	2279	2378	2477	2575	2656	2742	2816	2878	2934	2983
-62.5°	1921	2007	2087	2168	2230	2297	2365	2427	2477	2520	2551
-65°	1692	1766	1834	1896	1952	2007	2050	2094	2131	2162	2180
-67.5°	1488	1544	1600	1655	1705	1748	1779	1810	1834	1859	1871
-70°	1303	1346	1390	1433	1476	1507	1532	1556	1569	1575	1575
-72.5°	1124	1161	1198	1235	1266	1285	1303	1316	1328	1303	1266
-75°	951	982	1007	1031	1056	1068	1075	1075	1075	1025	963
-77.5°	760	797	821	840	858	865	858	858	852	797	729
-80°	611	642	661	679	698	692	686	673	667	605	544
-82.5°	463	482	494	513	525	525	519	513	500	451	395
-85°	309	315	315	315	315	315	315	315	315	284	253
-87.5°	154	154	154	154	148	154	154	161	167	148	130
-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°	105	87	80	68	80	87	105	130	148	167	161
85°	216	179	173	161	173	179	216	253	284	315	315
82.5°	346	284	272	259	272	284	346	395	451	500	513
80°	488	414	401	389	401	414	488	544	605	667	673
77.5°	661	593	568	550	568	593	661	729	797	852	858
75°	896	828	809	791	809	828	896	963	1025	1075	1075
72.5°	1223	1192	1143	1099	1143	1192	1223	1266	1303	1328	1316
70°	1581	1593	1581	1563	1581	1593	1581	1575	1575	1569	1556
67.5°	1878	1890	1890	1896	1890	1890	1878	1871	1859	1834	1810
65°	2199	2205	2223	2230	2223	2205	2199	2180	2162	2131	2094
62.5°	2569	2588	2600	2600	2600	2588	2569	2551	2520	2477	2427
60°	3014	3039	3069	3076	3069	3039	3014	2983	2934	2878	2816
57.5°	3545	3576	3619	3631	3619	3576	3545	3496	3434	3360	3267
55°	4187	4231	4255	4243	4255	4231	4187	4126	4039	3940	3817
52.5°	5021	5095	5145	5120	5145	5095	5021	4916	4793	4644	4478
50°	6028	6120	6182	6164	6182	6120	6028	5892	5725	5521	5287
47.5°	7288	7417	7522	7528	7522	7417	7288	7108	6880	6608	6287
45°	8943	9134	9276	9251	9276	9134	8943	8677	8344	7948	7553
42.5°	11092	11357	11567	11549	11567	11357	11092	10721	10240	9659	9066
40°	13618	13945	14223	14297	14223	13945	13618	13155	12531	11796	11042
37.5°	16218	16638	16990	16953	16990	16638	16218	15687	15032	14211	13315
35°	18830	19269	19615	19645	19615	19269	18830	18256	17564	16730	15711
32.5°	21566	22054	22462	22517	22462	22054	21566	20918	20102	19151	18089
30°	24419	25006	25494	25593	25494	25006	24419	23666	22752	21683	20448
27.5°	27421	28119	28582	28761	28582	28119	27421	26513	25377	24253	22900
25°	30515	31275	31793	32084	31793	31275	30515	29533	28304	26927	25346
22.5°	33745	34647	35320	35641	35320	34647	33745	32602	31219	29632	27816
20°	37080	38062	38846	39180	38846	38062	37080	35746	34171	32257	30231
17.5°	40477	41675	42546	42972	42546	41675	40477	39062	37098	34869	32559
15°	43775	45047	45992	46449	45992	45047	43775	42095	39896	37426	34826
12.5°	46832	48178	49123	49784	49123	48178	46832	44923	42539	39878	36993
10°	49561	51031	51988	52674	51988	51031	49561	47424	44831	42002	38914
7.5°	51606	53464	54545	55218	54545	53464	51606	49358	46640	43602	40335
5°	53174	55225	56207	56843	56207	55225	53174	50858	48079	44936	41601
2.5°	54323	55941	57170	57806	57170	55941	54323	51958	48863	45633	42224
0°	54774	56676	57547	57960	57547	56676	54774	52297	49388	45881	42385
-2.5°	54323	55941	57170	57806	57170	55941	54323	51958	48863	45633	42224
-5°	53174	55225	56207	56843	56207	55225	53174	50858	48079	44936	41601
-7.5°	51606	53464	54545	55218	54545	53464	51606	49358	46640	43602	40335
-10°	49561	51031	51988	52674	51988	51031	49561	47424	44831	42002	38914
-12.5°	46832	48178	49123	49784	49123	48178	46832	44923	42539	39878	36993
-15°	43775	45047	45992	46449	45992	45047	43775	42095	39896	37426	34826
-17.5°	40477	41675	42546	42972	42546	41675	40477	39062	37098	34869	32559
-20°	37080	38062	38846	39180	38846	38062	37080	35746	34171	32257	30231



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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°	33745	34647	35320	35641	35320	34647	33745	32602	31219	29632	27816
-25°	30515	31275	31793	32084	31793	31275	30515	29533	28304	26927	25346
-27.5°	27421	28119	28582	28761	28582	28119	27421	26513	25377	24253	22900
-30°	24419	25006	25494	25593	25494	25006	24419	23666	22752	21683	20448
-32.5°	21566	22054	22462	22517	22462	22054	21566	20918	20102	19151	18089
-35°	18830	19269	19615	19645	19615	19269	18830	18256	17564	16730	15711
-37.5°	16218	16638	16990	16953	16990	16638	16218	15687	15032	14211	13315
-40°	13618	13945	14223	14297	14223	13945	13618	13155	12531	11796	11042
-42.5°	11092	11357	11567	11549	11567	11357	11092	10721	10240	9659	9066
-45°	8943	9134	9276	9251	9276	9134	8943	8677	8344	7948	7553
-47.5°	7288	7417	7522	7528	7522	7417	7288	7108	6880	6608	6287
-50°	6028	6120	6182	6164	6182	6120	6028	5892	5725	5521	5287
-52.5°	5021	5095	5145	5120	5145	5095	5021	4916	4793	4644	4478
-55°	4187	4231	4255	4243	4255	4231	4187	4126	4039	3940	3817
-57.5°	3545	3576	3619	3631	3619	3576	3545	3496	3434	3360	3267
-60°	3014	3039	3069	3076	3069	3039	3014	2983	2934	2878	2816
-62.5°	2569	2588	2600	2600	2600	2588	2569	2551	2520	2477	2427
-65°	2199	2205	2223	2230	2223	2205	2199	2180	2162	2131	2094
-67.5°	1878	1890	1890	1896	1890	1890	1878	1871	1859	1834	1810
-70°	1581	1593	1581	1563	1581	1593	1581	1575	1575	1569	1556
-72.5°	1223	1192	1143	1099	1143	1192	1223	1266	1303	1328	1316
-75°	896	828	809	791	809	828	896	963	1025	1075	1075
-77.5°	661	593	568	550	568	593	661	729	797	852	858
-80°	488	414	401	389	401	414	488	544	605	667	673
-82.5°	346	284	272	259	272	284	346	395	451	500	513
-85°	216	179	173	161	173	179	216	253	284	315	315
-87.5°	105	87	80	68	80	87	105	130	148	167	161
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	154	154	148	154	154	154	154	136	124	111	99
85°	315	315	315	315	315	315	309	284	253	229	204
82.5°	519	525	525	513	494	482	463	420	377	340	303
80°	686	692	698	679	661	642	611	556	500	445	401
77.5°	858	865	858	840	821	797	760	704	649	593	550
75°	1075	1068	1056	1031	1007	982	951	902	840	772	723
72.5°	1303	1285	1266	1235	1198	1161	1124	1081	1031	976	926
70°	1532	1507	1476	1433	1390	1346	1303	1248	1198	1143	1093
67.5°	1779	1748	1705	1655	1600	1544	1488	1427	1365	1303	1248
65°	2050	2007	1952	1896	1834	1766	1692	1618	1550	1470	1402
62.5°	2365	2297	2230	2168	2087	2007	1921	1834	1748	1661	1569
60°	2742	2656	2575	2477	2378	2279	2174	2069	1958	1859	1748
57.5°	3162	3057	2952	2841	2711	2588	2458	2322	2199	2069	1939
55°	3681	3545	3403	3249	3094	2934	2773	2612	2458	2291	2149
52.5°	4292	4119	3934	3724	3533	3329	3137	2934	2742	2551	2365
50°	5052	4817	4558	4286	4039	3774	3526	3286	3051	2829	2606
47.5°	5978	5651	5299	4965	4626	4280	3983	3693	3397	3119	2872
45°	7102	6651	6176	5756	5299	4891	4478	4119	3774	3459	3144
42.5°	8498	7862	7263	6689	6102	5583	5064	4620	4200	3811	3459
40°	10246	9344	8591	7794	7090	6374	5762	5188	4669	4206	3774
37.5°	12315	11259	10196	9116	8220	7337	6528	5818	5194	4632	4132
35°	14575	13365	12068	10783	9480	8430	7411	6522	5762	5083	4502
32.5°	16965	15520	14081	12593	11080	9628	8424	7318	6367	5589	4904
30°	19096	17638	16076	14452	12759	11067	9499	8214	7084	6102	5311
27.5°	21356	19701	18015	16273	14458	12574	10758	9122	7800	6695	5762
25°	23610	21788	19905	18021	16101	14087	12006	10159	8591	7281	6164
22.5°	25840	23845	21795	19658	17620	15495	13321	11166	9319	7862	6633
20°	28094	25852	23629	21313	19040	16873	14538	12228	10178	8461	7065
17.5°	30243	27810	25290	22764	20368	18003	15625	13253	10968	9004	7498
15°	32275	29564	26853	24129	21517	19090	16595	14143	11716	9579	7874
12.5°	34029	31058	28236	25389	22610	20028	17453	14915	12420	10135	8257
10°	35622	32423	29440	26482	23604	20837	18163	15557	12994	10585	8566
7.5°	36981	33640	30447	27328	24339	21449	18701	16051	13439	10931	8807
5°	38025	34461	31126	27878	24827	21856	19083	16403	13754	11178	8961
2.5°	38519	34949	31491	28181	25247	22221	19429	16718	14019	11413	9128
0°	38766	35128	31658	28440	25426	22369	19522	16761	14013	11444	9140
-2.5°	38519	34949	31491	28181	25247	22221	19429	16718	14019	11413	9128
-5°	38025	34461	31126	27878	24827	21856	19083	16403	13754	11178	8961
-7.5°	36981	33640	30447	27328	24339	21449	18701	16051	13439	10931	8807
-10°	35622	32423	29440	26482	23604	20837	18163	15557	12994	10585	8566
-12.5°	34029	31058	28236	25389	22610	20028	17453	14915	12420	10135	8257
-15°	32275	29564	26853	24129	21517	19090	16595	14143	11716	9579	7874
-17.5°	30243	27810	25290	22764	20368	18003	15625	13253	10968	9004	7498
-20°	28094	25852	23629	21313	19040	16873	14538	12228	10178	8461	7065



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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°	25840	23845	21795	19658	17620	15495	13321	11166	9319	7862	6633
-25°	23610	21788	19905	18021	16101	14087	12006	10159	8591	7281	6164
-27.5°	21356	19701	18015	16273	14458	12574	10758	9122	7800	6695	5762
-30°	19096	17638	16076	14452	12759	11067	9499	8214	7084	6102	5311
-32.5°	16965	15520	14081	12593	11080	9628	8424	7318	6367	5589	4904
-35°	14575	13365	12068	10783	9480	8430	7411	6522	5762	5083	4502
-37.5°	12315	11259	10196	9116	8220	7337	6528	5818	5194	4632	4132
-40°	10246	9344	8591	7794	7090	6374	5762	5188	4669	4206	3774
-42.5°	8498	7862	7263	6689	6102	5583	5064	4620	4200	3811	3459
-45°	7102	6651	6176	5756	5299	4891	4478	4119	3774	3459	3144
-47.5°	5978	5651	5299	4965	4626	4280	3983	3693	3397	3119	2872
-50°	5052	4817	4558	4286	4039	3774	3526	3286	3051	2829	2606
-52.5°	4292	4119	3934	3724	3533	3329	3137	2934	2742	2551	2365
-55°	3681	3545	3403	3249	3094	2934	2773	2612	2458	2291	2149
-57.5°	3162	3057	2952	2841	2711	2588	2458	2322	2199	2069	1939
-60°	2742	2656	2575	2477	2378	2279	2174	2069	1958	1859	1748
-62.5°	2365	2297	2230	2168	2087	2007	1921	1834	1748	1661	1569
-65°	2050	2007	1952	1896	1834	1766	1692	1618	1550	1470	1402
-67.5°	1779	1748	1705	1655	1600	1544	1488	1427	1365	1303	1248
-70°	1532	1507	1476	1433	1390	1346	1303	1248	1198	1143	1093
-72.5°	1303	1285	1266	1235	1198	1161	1124	1081	1031	976	926
-75°	1075	1068	1056	1031	1007	982	951	902	840	772	723
-77.5°	858	865	858	840	821	797	760	704	649	593	550
-80°	686	692	698	679	661	642	611	556	500	445	401
-82.5°	519	525	525	513	494	482	463	420	377	340	303
-85°	315	315	315	315	315	315	309	284	253	229	204
-87.5°	154	154	148	154	154	154	154	136	124	111	99
-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°	105	111	117	117	117	111	105	99	87	80	74
85°	216	222	235	241	229	222	204	192	179	161	148
82.5°	321	334	346	346	334	321	303	284	266	241	216
80°	426	445	463	463	445	420	395	371	346	315	284
77.5°	562	574	581	587	562	537	506	463	426	389	352
75°	710	710	716	704	679	661	618	568	513	463	414
72.5°	889	858	846	828	784	747	716	673	599	531	476
70°	1044	1001	963	926	883	834	797	741	679	599	531
67.5°	1192	1136	1081	1031	976	926	871	803	735	661	587
65°	1340	1272	1204	1136	1075	1013	951	871	791	716	636
62.5°	1488	1408	1328	1248	1173	1099	1031	939	846	766	679
60°	1643	1556	1464	1371	1278	1192	1106	1007	908	809	723
57.5°	1822	1698	1593	1488	1383	1285	1180	1075	970	865	760
55°	2001	1865	1729	1612	1495	1383	1260	1143	1025	914	797
52.5°	2192	2032	1884	1735	1606	1476	1346	1223	1087	963	821
50°	2402	2211	2038	1871	1717	1575	1433	1291	1149	1013	852
47.5°	2625	2402	2199	2007	1840	1668	1513	1365	1211	1068	883
45°	2872	2606	2365	2155	1952	1766	1600	1433	1272	1106	902
42.5°	3113	2822	2551	2291	2075	1865	1686	1507	1334	1136	933
40°	3397	3039	2736	2458	2199	1964	1760	1575	1396	1173	957
37.5°	3693	3279	2927	2606	2322	2069	1847	1637	1439	1211	982
35°	3990	3526	3119	2761	2452	2174	1927	1705	1482	1241	1007
32.5°	4298	3774	3310	2915	2575	2279	2007	1766	1532	1278	1025
30°	4638	4033	3508	3063	2693	2372	2087	1828	1581	1309	1044
27.5°	4959	4274	3699	3224	2816	2470	2162	1890	1637	1340	1068
25°	5280	4533	3903	3372	2934	2557	2236	1945	1686	1377	1087
22.5°	5626	4786	4088	3514	3039	2643	2304	2007	1729	1414	1106
20°	5941	5015	4249	3650	3150	2730	2372	2057	1766	1451	1124
17.5°	6231	5250	4447	3792	3255	2810	2427	2100	1803	1482	1136
15°	6546	5484	4620	3916	3347	2878	2483	2143	1834	1513	1143
12.5°	6818	5682	4768	4027	3428	2934	2526	2174	1865	1544	1155
10°	7041	5842	4891	4113	3489	2983	2557	2205	1884	1563	1161
7.5°	7213	5966	4984	4181	3539	3020	2588	2223	1902	1581	1161
5°	7343	6059	5046	4231	3576	3051	2612	2242	1921	1606	1167
2.5°	7460	6157	5095	4274	3607	3076	2631	2254	1921	1600	1155
0°	7479	6176	5089	4274	3607	3082	2631	2254	1915	1593	1143
-2.5°	7460	6157	5095	4274	3607	3076	2631	2254	1921	1600	1155
-5°	7343	6059	5046	4231	3576	3051	2612	2242	1921	1606	1167
-7.5°	7213	5966	4984	4181	3539	3020	2588	2223	1902	1581	1161
-10°	7041	5842	4891	4113	3489	2983	2557	2205	1884	1563	1161
-12.5°	6818	5682	4768	4027	3428	2934	2526	2174	1865	1544	1155
-15°	6546	5484	4620	3916	3347	2878	2483	2143	1834	1513	1143
-17.5°	6231	5250	4447	3792	3255	2810	2427	2100	1803	1482	1136
-20°	5941	5015	4249	3650	3150	2730	2372	2057	1766	1451	1124



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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°	5626	4786	4088	3514	3039	2643	2304	2007	1729	1414	1106
-25°	5280	4533	3903	3372	2934	2557	2236	1945	1686	1377	1087
-27.5°	4959	4274	3699	3224	2816	2470	2162	1890	1637	1340	1068
-30°	4638	4033	3508	3063	2693	2372	2087	1828	1581	1309	1044
-32.5°	4298	3774	3310	2915	2575	2279	2007	1766	1532	1278	1025
-35°	3990	3526	3119	2761	2452	2174	1927	1705	1482	1241	1007
-37.5°	3693	3279	2927	2606	2322	2069	1847	1637	1439	1211	982
-40°	3397	3039	2736	2458	2199	1964	1760	1575	1396	1173	957
-42.5°	3113	2822	2551	2291	2075	1865	1686	1507	1334	1136	933
-45°	2872	2606	2365	2155	1952	1766	1600	1433	1272	1106	902
-47.5°	2625	2402	2199	2007	1840	1668	1513	1365	1211	1068	883
-50°	2402	2211	2038	1871	1717	1575	1433	1291	1149	1013	852
-52.5°	2192	2032	1884	1735	1606	1476	1346	1223	1087	963	821
-55°	2001	1865	1729	1612	1495	1383	1260	1143	1025	914	797
-57.5°	1822	1698	1593	1488	1383	1285	1180	1075	970	865	760
-60°	1643	1556	1464	1371	1278	1192	1106	1007	908	809	723
-62.5°	1488	1408	1328	1248	1173	1099	1031	939	846	766	679
-65°	1340	1272	1204	1136	1075	1013	951	871	791	716	636
-67.5°	1192	1136	1081	1031	976	926	871	803	735	661	587
-70°	1044	1001	963	926	883	834	797	741	679	599	531
-72.5°	889	858	846	828	784	747	716	673	599	531	476
-75°	710	710	716	704	679	661	618	568	513	463	414
-77.5°	562	574	581	587	562	537	506	463	426	389	352
-80°	426	445	463	463	445	420	395	371	346	315	284
-82.5°	321	334	346	346	334	321	303	284	266	241	216
-85°	216	222	235	241	229	222	204	192	179	161	148
-87.5°	105	111	117	117	117	111	105	99	87	80	74
-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°	62	49	37	25	12	6	0
85°	130	99	68	43	25	12	0
82.5°	192	142	105	68	43	19	0
80°	253	192	136	93	56	25	0
77.5°	309	235	173	111	68	31	0
75°	358	272	204	136	80	37	0
72.5°	408	309	229	154	93	43	0
70°	457	346	253	179	105	49	0
67.5°	494	377	278	192	117	56	0
65°	525	408	296	204	130	56	0
62.5°	556	432	315	216	142	62	0
60°	593	457	340	229	148	68	0
57.5°	618	476	352	241	154	74	0
55°	642	500	364	253	167	80	0
52.5°	667	519	383	259	173	80	0
50°	686	537	395	266	179	87	0
47.5°	710	550	401	272	185	93	0
45°	729	568	414	278	192	93	0
42.5°	747	581	420	284	192	99	0
40°	766	587	432	296	198	105	0
37.5°	778	599	439	303	204	105	0
35°	784	605	445	309	210	111	0
32.5°	797	618	451	321	210	111	0
30°	815	618	451	327	216	111	0
27.5°	828	624	463	327	216	117	0
25°	834	624	469	334	222	117	0
22.5°	840	630	476	340	222	117	0
20°	846	636	482	346	229	124	0
17.5°	852	649	488	346	229	124	0
15°	865	655	488	346	229	130	0
12.5°	871	655	488	352	229	130	0
10°	877	661	488	352	235	124	0
7.5°	877	661	494	352	235	124	0
5°	877	667	488	352	229	124	0
2.5°	865	667	488	346	229	124	0
0°	858	661	482	346	229	124	0
-2.5°	865	667	488	346	229	124	0
-5°	877	667	488	352	229	124	0
-7.5°	877	661	494	352	235	124	0
-10°	877	661	488	352	235	124	0
-12.5°	871	655	488	352	229	130	0
-15°	865	655	488	346	229	130	0
-17.5°	852	649	488	346	229	124	0
-20°	846	636	482	346	229	124	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	840	630	476	340	222	117	0
-25°	834	624	469	334	222	117	0
-27.5°	828	624	463	327	216	117	0
-30°	815	618	451	327	216	111	0
-32.5°	797	618	451	321	210	111	0
-35°	784	605	445	309	210	111	0
-37.5°	778	599	439	303	204	105	0
-40°	766	587	432	296	198	105	0
-42.5°	747	581	420	284	192	99	0
-45°	729	568	414	278	192	93	0
-47.5°	710	550	401	272	185	93	0
-50°	686	537	395	266	179	87	0
-52.5°	667	519	383	259	173	80	0
-55°	642	500	364	253	167	80	0
-57.5°	618	476	352	241	154	74	0
-60°	593	457	340	229	148	68	0
-62.5°	556	432	315	216	142	62	0
-65°	525	408	296	204	130	56	0
-67.5°	494	377	278	192	117	56	0
-70°	457	346	253	179	105	49	0
-72.5°	408	309	229	154	93	43	0
-75°	358	272	204	136	80	37	0
-77.5°	309	235	173	111	68	31	0
-80°	253	192	136	93	56	25	0
-82.5°	192	142	105	68	43	19	0
-85°	130	99	68	43	25	12	0
-87.5°	62	49	37	25	12	6	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)