

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: P622287

Luminaire Tested: **IFLD-L-SA8C-760-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622287
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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

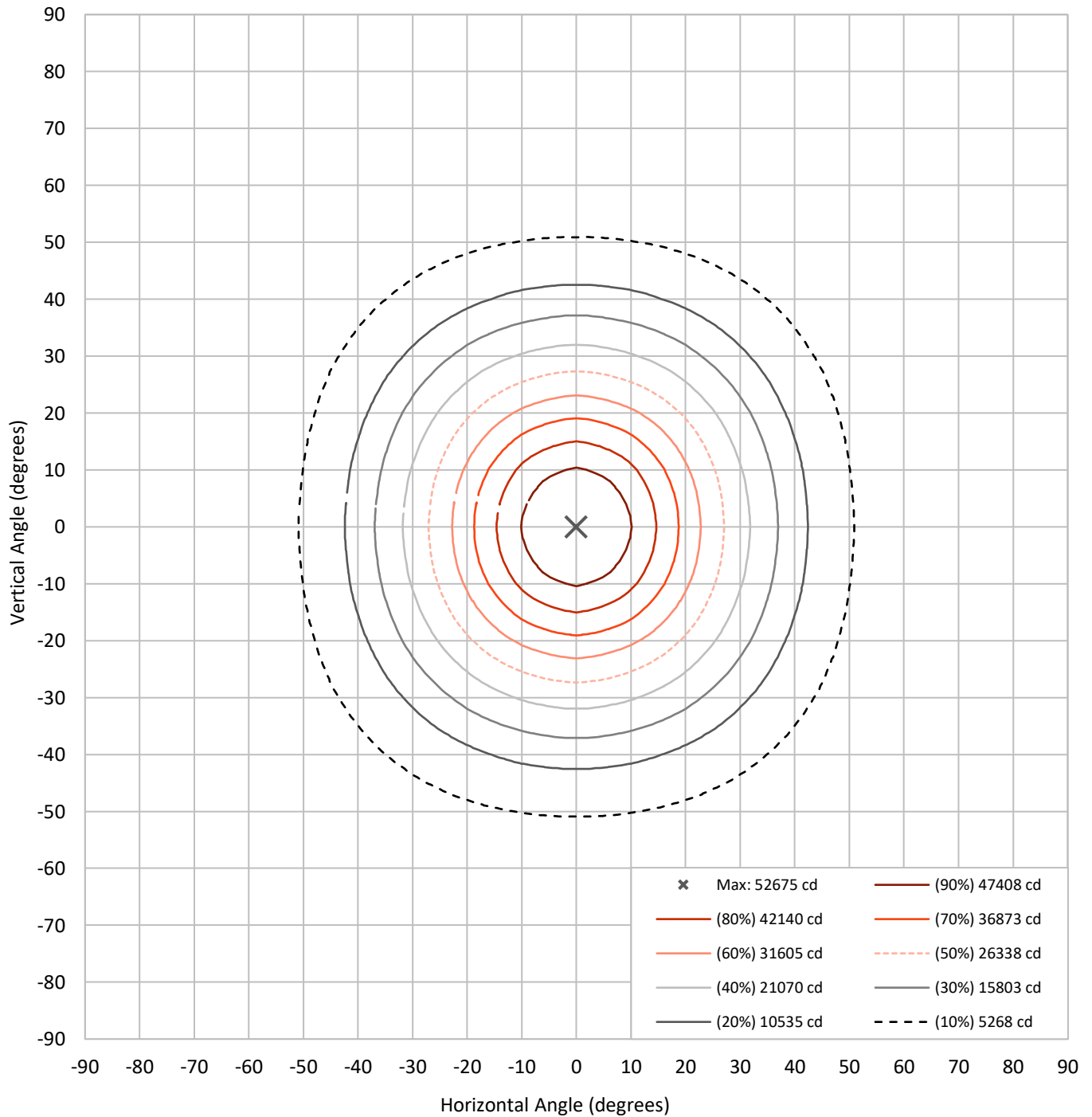
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	54632.6 lumens	Max Intensity:	52675 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.0 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:	26267.5 lumens	Field Lumens:	47945.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	420.3		
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





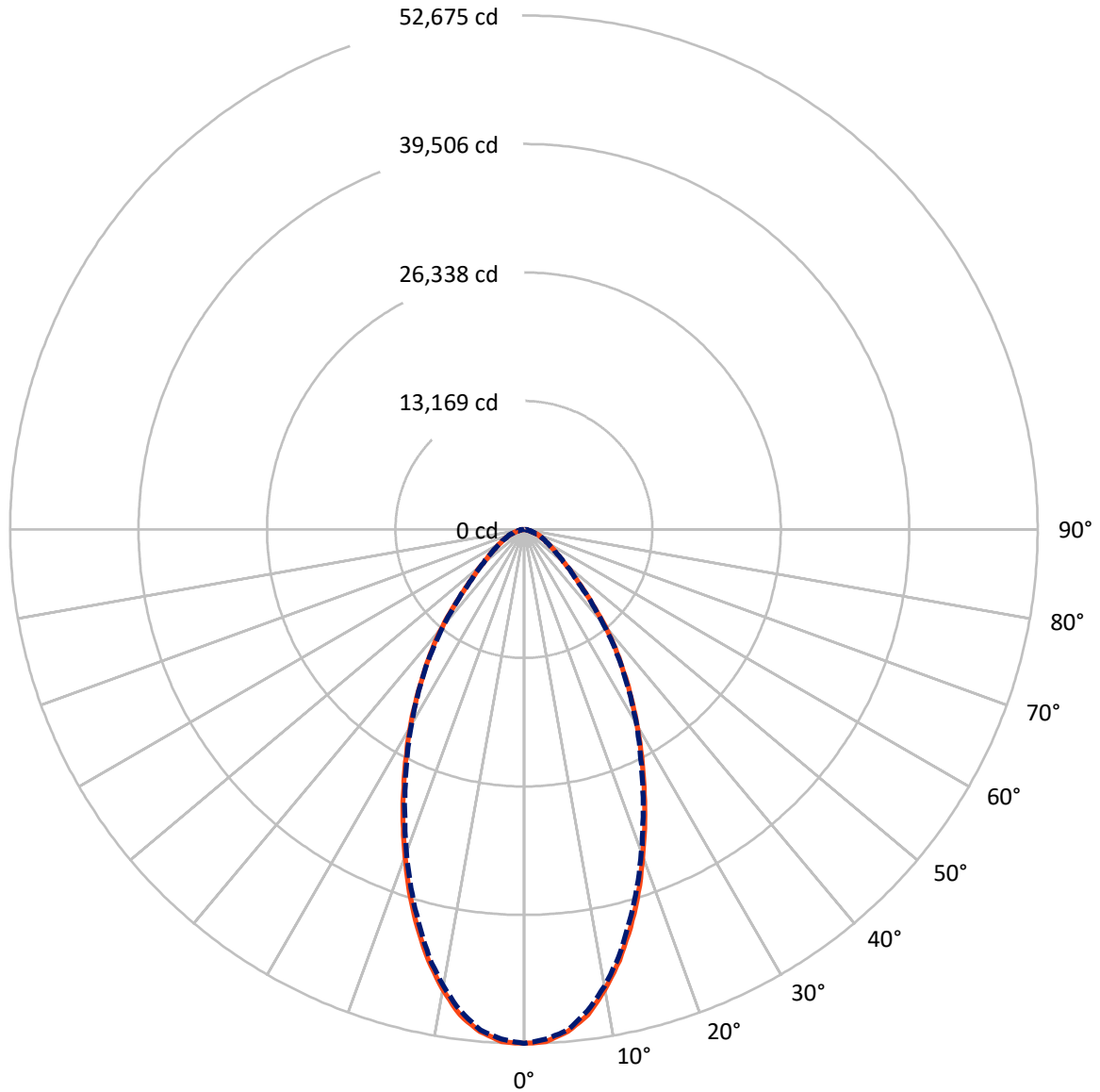
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Lumen Table

90	3.8	23.4	47.2	71.8	61.7	71.8	47.2	23.4	3.8							
80	3.8	23.4	47.2	71.8	61.7	71.8	47.2	23.4	3.8							
70	9.6	10.3	18.2	27.7	38.7	49.5	57.7	61.9	61.9	57.7	49.5	38.7	27.7	18.2	10.3	9.6
60		13.6	25.8	42.5	63.7	86.7	107.5	120.0	120.0	107.5	86.7	63.7	42.5	25.8	13.6	
50	12.9	17.0	34.7	62.5	103.8	159.1	219.1	259.9	259.9	219.1	159.1	103.8	62.5	34.7	17.0	12.9
40		20.2	44.7	90.0	172.7	305.5	444.2	530.5	530.5	444.2	305.5	172.7	90.0	44.7	20.2	
30	14.9	23.3	55.0	124.8	276.4	498.8	716.5	859.9	859.9	716.5	498.8	276.4	124.8	55.0	23.3	14.9
20		25.7	64.3	160.5	376.5	671.7	994.7	1228.1	1228.1	994.7	671.7	376.5	160.5	64.3	25.7	
10	15.6	27.0	69.8	184.1	434.6	779.0	1186.4	1491.1	1491.1	1186.4	779.0	434.6	184.1	69.8	27.0	15.6
0		27.0	69.8	184.1	434.6	779.0	1186.4	1491.1	1491.1	1186.4	779.0	434.6	184.1	69.8	27.0	
-10	14.9	25.7	64.3	160.5	376.5	671.7	994.7	1228.1	1228.1	994.7	671.7	376.5	160.5	64.3	25.7	14.9
-20		23.3	55.0	124.8	276.4	498.8	716.5	859.9	859.9	716.5	498.8	276.4	124.8	55.0	23.3	
-30	12.9	20.2	44.7	90.0	172.7	305.5	444.2	530.5	530.5	444.2	305.5	172.7	90.0	44.7	20.2	12.9
-40		17.0	34.7	62.5	103.8	159.1	219.1	259.9	259.9	219.1	159.1	103.8	62.5	34.7	17.0	
-50	9.6	13.6	25.8	42.5	63.7	86.7	107.5	120.0	120.0	107.5	86.7	63.7	42.5	25.8	13.6	9.6
-60		10.3	18.2	27.7	38.7	49.5	57.7	61.9	61.9	57.7	49.5	38.7	27.7	18.2	10.3	
-70	3.8	23.4	47.2	71.8	61.7	71.8	47.2	23.4	3.8							
-80		3.8	23.4	47.2	71.8	61.7	71.8	47.2	23.4	3.8						
-90	3.8	23.4	47.2	71.8	61.7	71.8	47.2	23.4	3.8							

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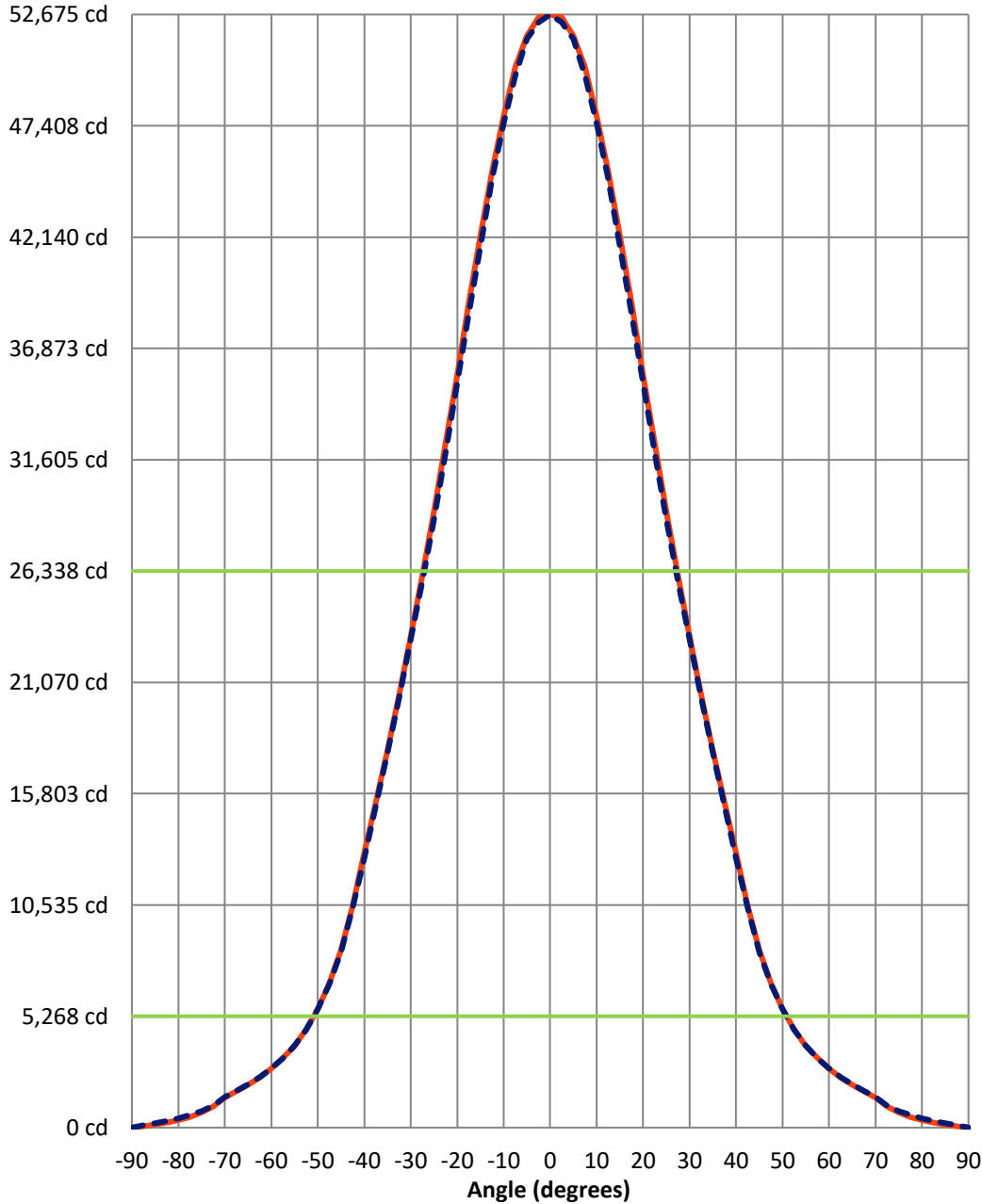
Luminous Intensity Polar Plot



— 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: 26267.5
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 47945.5
 Efficiency: 87.8%

Spill:
 Lumens: 6687.1
 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	11	23	34	45	56	67	73	79	90
85°	0	11	23	39	62	90	118	135	146	163	174
82.5°	0	17	39	62	95	129	174	196	219	241	258
80°	0	23	51	84	124	174	230	258	286	314	337
77.5°	0	28	62	101	157	213	281	320	354	387	421
75°	0	34	73	124	185	247	326	376	421	466	516
72.5°	0	39	84	140	208	281	370	432	483	544	612
70°	0	45	95	163	230	314	415	483	544	617	674
67.5°	0	51	107	174	253	342	449	533	601	668	730
65°	0	51	118	185	269	370	477	578	651	718	791
62.5°	0	56	129	196	286	393	505	617	696	769	853
60°	0	62	135	208	309	415	539	657	735	825	915
57.5°	0	67	140	219	320	432	561	690	786	881	977
55°	0	73	152	230	331	455	584	724	831	932	1038
52.5°	0	73	157	236	348	472	606	747	876	988	1111
50°	0	79	163	241	359	488	623	775	921	1044	1173
47.5°	0	84	168	247	365	500	646	803	971	1100	1240
45°	0	84	174	253	376	516	662	820	1005	1156	1302
42.5°	0	90	174	258	382	528	679	848	1033	1212	1370
40°	0	95	180	269	393	533	696	870	1066	1269	1431
37.5°	0	95	185	275	399	544	707	892	1100	1308	1487
35°	0	101	191	281	404	550	713	915	1128	1347	1549
32.5°	0	101	191	292	410	561	724	932	1162	1392	1605
30°	0	101	196	298	410	561	741	949	1190	1437	1661
27.5°	0	107	196	298	421	567	752	971	1218	1487	1718
25°	0	107	202	303	427	567	758	988	1252	1532	1768
22.5°	0	107	202	309	432	573	763	1005	1285	1572	1824
20°	0	112	208	314	438	578	769	1022	1319	1605	1869
17.5°	0	112	208	314	443	589	775	1033	1347	1639	1908
15°	0	118	208	314	443	595	786	1038	1375	1667	1948
12.5°	0	118	208	320	443	595	791	1050	1403	1695	1976
10°	0	112	213	320	443	601	797	1055	1420	1712	2004
7.5°	0	112	213	320	449	601	797	1055	1437	1729	2021
5°	0	112	208	320	443	606	797	1061	1459	1746	2037
2.5°	0	112	208	314	443	606	786	1050	1454	1746	2049
0°	0	112	208	314	438	578	769	1022	1319	1605	1869
-2.5°	0	112	208	314	443	606	786	1050	1454	1746	2049
-5°	0	112	208	320	443	606	797	1061	1459	1746	2037
-7.5°	0	112	213	320	449	601	797	1055	1437	1729	2021
-10°	0	112	213	320	443	601	797	1055	1420	1712	2004
-12.5°	0	118	208	320	443	595	791	1050	1403	1695	1976
-15°	0	118	208	314	443	595	786	1038	1375	1667	1948
-17.5°	0	112	208	314	443	589	775	1033	1347	1639	1908
-20°	0	112	208	314	438	578	769	1022	1319	1605	1869



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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	107	202	309	432	573	763	1005	1285	1572	1824
-25°	0	107	202	303	427	567	758	988	1252	1532	1768
-27.5°	0	107	196	298	421	567	752	971	1218	1487	1718
-30°	0	101	196	298	410	561	741	949	1190	1437	1661
-32.5°	0	101	191	292	410	561	724	932	1162	1392	1605
-35°	0	101	191	281	404	550	713	915	1128	1347	1549
-37.5°	0	95	185	275	399	544	707	892	1100	1308	1487
-40°	0	95	180	269	393	533	696	870	1066	1269	1431
-42.5°	0	90	174	258	382	528	679	848	1033	1212	1370
-45°	0	84	174	253	376	516	662	820	1005	1156	1302
-47.5°	0	84	168	247	365	500	646	803	971	1100	1240
-50°	0	79	163	241	359	488	623	775	921	1044	1173
-52.5°	0	73	157	236	348	472	606	747	876	988	1111
-55°	0	73	152	230	331	455	584	724	831	932	1038
-57.5°	0	67	140	219	320	432	561	690	786	881	977
-60°	0	62	135	208	309	415	539	657	735	825	915
-62.5°	0	56	129	196	286	393	505	617	696	769	853
-65°	0	51	118	185	269	370	477	578	651	718	791
-67.5°	0	51	107	174	253	342	449	533	601	668	730
-70°	0	45	95	163	230	314	415	483	544	617	674
-72.5°	0	39	84	140	208	281	370	432	483	544	612
-75°	0	34	73	124	185	247	326	376	421	466	516
-77.5°	0	28	62	101	157	213	281	320	354	387	421
-80°	0	23	51	84	124	174	230	258	286	314	337
-82.5°	0	17	39	62	95	129	174	196	219	241	258
-85°	0	11	23	39	62	90	118	135	146	163	174
-87.5°	0	6	11	23	34	45	56	67	73	79	90
-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°	95	101	107	107	107	101	95	90	101	112	124
85°	185	202	208	219	213	202	196	185	208	230	258
82.5°	275	292	303	314	314	303	292	275	309	342	382
80°	359	382	404	421	421	404	387	365	404	455	505
77.5°	460	488	511	533	528	522	511	500	539	589	640
75°	561	601	617	640	651	646	646	657	702	763	820
72.5°	651	679	713	752	769	780	808	842	887	937	982
70°	724	758	803	842	876	909	949	993	1038	1089	1134
67.5°	791	842	887	937	982	1033	1083	1134	1184	1240	1297
65°	864	921	977	1033	1095	1156	1218	1274	1336	1409	1471
62.5°	937	999	1066	1134	1207	1280	1353	1426	1510	1588	1667
60°	1005	1083	1162	1246	1330	1414	1493	1588	1689	1779	1880
57.5°	1072	1167	1257	1353	1448	1544	1656	1762	1880	1998	2110
55°	1145	1257	1358	1465	1572	1695	1819	1953	2082	2234	2374
52.5°	1224	1341	1459	1577	1712	1847	1993	2150	2318	2492	2666
50°	1302	1431	1560	1701	1852	2009	2183	2369	2571	2773	2986
47.5°	1375	1515	1673	1824	1998	2183	2385	2610	2834	3087	3356
45°	1454	1605	1774	1959	2150	2369	2610	2857	3143	3429	3744
42.5°	1532	1695	1886	2082	2318	2565	2829	3143	3463	3817	4198
40°	1600	1785	1998	2234	2486	2761	3087	3429	3822	4243	4715
37.5°	1678	1880	2110	2369	2660	2980	3356	3755	4210	4720	5287
35°	1751	1976	2228	2509	2834	3205	3626	4092	4619	5237	5927
32.5°	1824	2071	2341	2649	3008	3429	3906	4457	5080	5787	6651
30°	1897	2155	2447	2784	3188	3665	4215	4827	5545	6438	7465
27.5°	1964	2245	2559	2930	3362	3884	4507	5237	6084	7089	8290
25°	2032	2324	2666	3065	3547	4120	4799	5602	6617	7807	9233
22.5°	2094	2402	2761	3194	3716	4350	5113	6028	7145	8470	10148
20°	2155	2481	2863	3317	3862	4558	5399	6421	7689	9250	11113
17.5°	2206	2554	2958	3446	4041	4771	5663	6814	8183	9968	12045
15°	2256	2616	3042	3558	4198	4984	5949	7156	8705	10647	12853
12.5°	2296	2666	3115	3660	4333	5164	6196	7504	9210	11287	13555
10°	2324	2711	3171	3738	4445	5310	6399	7785	9620	11809	14138
7.5°	2352	2745	3216	3800	4529	5422	6556	8004	9934	12213	14587
5°	2374	2773	3250	3845	4586	5506	6674	8144	10159	12499	14907
2.5°	2391	2795	3278	3884	4631	5596	6780	8296	10372	12741	15194
0°	2391	2801	3278	3884	4625	5613	6797	8307	10400	12735	15233
-2.5°	2391	2795	3278	3884	4631	5596	6780	8296	10372	12741	15194
-5°	2374	2773	3250	3845	4586	5506	6674	8144	10159	12499	14907
-7.5°	2352	2745	3216	3800	4529	5422	6556	8004	9934	12213	14587
-10°	2324	2711	3171	3738	4445	5310	6399	7785	9620	11809	14138
-12.5°	2296	2666	3115	3660	4333	5164	6196	7504	9210	11287	13555
-15°	2256	2616	3042	3558	4198	4984	5949	7156	8705	10647	12853
-17.5°	2206	2554	2958	3446	4041	4771	5663	6814	8183	9968	12045
-20°	2155	2481	2863	3317	3862	4558	5399	6421	7689	9250	11113



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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°	2094	2402	2761	3194	3716	4350	5113	6028	7145	8470	10148
-25°	2032	2324	2666	3065	3547	4120	4799	5602	6617	7807	9233
-27.5°	1964	2245	2559	2930	3362	3884	4507	5237	6084	7089	8290
-30°	1897	2155	2447	2784	3188	3665	4215	4827	5545	6438	7465
-32.5°	1824	2071	2341	2649	3008	3429	3906	4457	5080	5787	6651
-35°	1751	1976	2228	2509	2834	3205	3626	4092	4619	5237	5927
-37.5°	1678	1880	2110	2369	2660	2980	3356	3755	4210	4720	5287
-40°	1600	1785	1998	2234	2486	2761	3087	3429	3822	4243	4715
-42.5°	1532	1695	1886	2082	2318	2565	2829	3143	3463	3817	4198
-45°	1454	1605	1774	1959	2150	2369	2610	2857	3143	3429	3744
-47.5°	1375	1515	1673	1824	1998	2183	2385	2610	2834	3087	3356
-50°	1302	1431	1560	1701	1852	2009	2183	2369	2571	2773	2986
-52.5°	1224	1341	1459	1577	1712	1847	1993	2150	2318	2492	2666
-55°	1145	1257	1358	1465	1572	1695	1819	1953	2082	2234	2374
-57.5°	1072	1167	1257	1353	1448	1544	1656	1762	1880	1998	2110
-60°	1005	1083	1162	1246	1330	1414	1493	1588	1689	1779	1880
-62.5°	937	999	1066	1134	1207	1280	1353	1426	1510	1588	1667
-65°	864	921	977	1033	1095	1156	1218	1274	1336	1409	1471
-67.5°	791	842	887	937	982	1033	1083	1134	1184	1240	1297
-70°	724	758	803	842	876	909	949	993	1038	1089	1134
-72.5°	651	679	713	752	769	780	808	842	887	937	982
-75°	561	601	617	640	651	646	646	657	702	763	820
-77.5°	460	488	511	533	528	522	511	500	539	589	640
-80°	359	382	404	421	421	404	387	365	404	455	505
-82.5°	275	292	303	314	314	303	292	275	309	342	382
-85°	185	202	208	219	213	202	196	185	208	230	258
-87.5°	95	101	107	107	107	101	95	90	101	112	124
-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°	140	140	140	140	135	140	140	146	152	135	118
85°	281	286	286	286	286	286	286	286	286	258	230
82.5°	421	438	449	466	477	477	472	466	455	410	359
80°	556	584	601	617	634	629	623	612	606	550	494
77.5°	690	724	747	763	780	786	780	780	775	724	662
75°	864	892	915	937	960	971	977	977	977	932	876
72.5°	1022	1055	1089	1123	1151	1167	1184	1196	1207	1184	1151
70°	1184	1224	1263	1302	1341	1370	1392	1414	1426	1431	1431
67.5°	1353	1403	1454	1504	1549	1588	1617	1645	1667	1689	1701
65°	1538	1605	1667	1723	1774	1824	1863	1903	1936	1964	1981
62.5°	1746	1824	1897	1970	2026	2088	2150	2206	2251	2290	2318
60°	1976	2071	2161	2251	2341	2414	2492	2559	2616	2666	2711
57.5°	2234	2352	2464	2582	2683	2778	2874	2969	3053	3121	3177
55°	2520	2666	2812	2952	3093	3222	3345	3469	3581	3671	3749
52.5°	2851	3025	3211	3384	3575	3744	3901	4069	4221	4355	4468
50°	3205	3429	3671	3895	4142	4378	4591	4805	5018	5203	5355
47.5°	3620	3890	4204	4513	4816	5136	5433	5714	6006	6253	6460
45°	4069	4445	4816	5231	5613	6045	6455	6864	7224	7583	7886
42.5°	4602	5074	5545	6079	6601	7145	7723	8239	8778	9306	9744
40°	5237	5792	6443	7083	7807	8492	9311	10036	10720	11388	11955
37.5°	5933	6668	7471	8284	9267	10232	11192	12101	12915	13661	14256
35°	6735	7661	8616	9800	10967	12146	13246	14279	15205	15963	16591
32.5°	7656	8750	10069	11444	12797	14105	15418	16440	17405	18269	19010
30°	8632	10058	11596	13134	14610	16030	17354	18584	19706	20677	21508
27.5°	9777	11427	13139	14789	16372	17904	19409	20812	22041	23063	24095
25°	10911	12803	14632	16378	18090	19802	21457	23034	24471	25723	26840
22.5°	12107	14082	16013	17865	19807	21671	23483	25280	26930	28372	29629
20°	13212	15334	17304	19369	21474	23495	25532	27474	29315	31055	32486
17.5°	14200	16361	18511	20688	22984	25274	27485	29590	31689	33715	35500
15°	15081	17349	19555	21929	24404	26868	29332	31650	34013	36258	38256
12.5°	15861	18202	20548	23074	25661	28226	30926	33620	36241	38660	40827
10°	16507	18937	21452	24067	26756	29467	32374	35366	38172	40742	43100
7.5°	16995	19493	22120	24836	27671	30572	33609	36656	39626	42387	44857
5°	17343	19863	22563	25336	28288	31319	34557	37807	40838	43695	46220
2.5°	17658	20194	22945	25611	28619	31762	35006	38374	41472	44408	47220
0°	17742	20329	23107	25846	28771	31925	35231	38520	41697	44885	47528
-2.5°	17658	20194	22945	25611	28619	31762	35006	38374	41472	44408	47220
-5°	17343	19863	22563	25336	28288	31319	34557	37807	40838	43695	46220
-7.5°	16995	19493	22120	24836	27671	30572	33609	36656	39626	42387	44857
-10°	16507	18937	21452	24067	26756	29467	32374	35366	38172	40742	43100
-12.5°	15861	18202	20548	23074	25661	28226	30926	33620	36241	38660	40827
-15°	15081	17349	19555	21929	24404	26868	29332	31650	34013	36258	38256
-17.5°	14200	16361	18511	20688	22984	25274	27485	29590	31689	33715	35500
-20°	13212	15334	17304	19369	21474	23495	25532	27474	29315	31055	32486



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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°	12107	14082	16013	17865	19807	21671	23483	25280	26930	28372	29629
-25°	10911	12803	14632	16378	18090	19802	21457	23034	24471	25723	26840
-27.5°	9777	11427	13139	14789	16372	17904	19409	20812	22041	23063	24095
-30°	8632	10058	11596	13134	14610	16030	17354	18584	19706	20677	21508
-32.5°	7656	8750	10069	11444	12797	14105	15418	16440	17405	18269	19010
-35°	6735	7661	8616	9800	10967	12146	13246	14279	15205	15963	16591
-37.5°	5933	6668	7471	8284	9267	10232	11192	12101	12915	13661	14256
-40°	5237	5792	6443	7083	7807	8492	9311	10036	10720	11388	11955
-42.5°	4602	5074	5545	6079	6601	7145	7723	8239	8778	9306	9744
-45°	4069	4445	4816	5231	5613	6045	6455	6864	7224	7583	7886
-47.5°	3620	3890	4204	4513	4816	5136	5433	5714	6006	6253	6460
-50°	3205	3429	3671	3895	4142	4378	4591	4805	5018	5203	5355
-52.5°	2851	3025	3211	3384	3575	3744	3901	4069	4221	4355	4468
-55°	2520	2666	2812	2952	3093	3222	3345	3469	3581	3671	3749
-57.5°	2234	2352	2464	2582	2683	2778	2874	2969	3053	3121	3177
-60°	1976	2071	2161	2251	2341	2414	2492	2559	2616	2666	2711
-62.5°	1746	1824	1897	1970	2026	2088	2150	2206	2251	2290	2318
-65°	1538	1605	1667	1723	1774	1824	1863	1903	1936	1964	1981
-67.5°	1353	1403	1454	1504	1549	1588	1617	1645	1667	1689	1701
-70°	1184	1224	1263	1302	1341	1370	1392	1414	1426	1431	1431
-72.5°	1022	1055	1089	1123	1151	1167	1184	1196	1207	1184	1151
-75°	864	892	915	937	960	971	977	977	977	932	876
-77.5°	690	724	747	763	780	786	780	780	775	724	662
-80°	556	584	601	617	634	629	623	612	606	550	494
-82.5°	421	438	449	466	477	477	472	466	455	410	359
-85°	281	286	286	286	286	286	286	286	286	258	230
-87.5°	140	140	140	140	135	140	140	146	152	135	118
-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°	95	79	73	62	73	79	95	118	135	152	146
85°	196	163	157	146	157	163	196	230	258	286	286
82.5°	314	258	247	236	247	258	314	359	410	455	466
80°	443	376	365	354	365	376	443	494	550	606	612
77.5°	601	539	516	500	516	539	601	662	724	775	780
75°	814	752	735	718	735	752	814	876	932	977	977
72.5°	1111	1083	1038	999	1038	1083	1111	1151	1184	1207	1196
70°	1437	1448	1437	1420	1437	1448	1437	1431	1431	1426	1414
67.5°	1706	1718	1718	1723	1718	1718	1706	1701	1689	1667	1645
65°	1998	2004	2021	2026	2021	2004	1998	1981	1964	1936	1903
62.5°	2335	2352	2363	2363	2363	2352	2335	2318	2290	2251	2206
60°	2739	2761	2790	2795	2790	2761	2739	2711	2666	2616	2559
57.5°	3222	3250	3289	3300	3289	3250	3222	3177	3121	3053	2969
55°	3805	3845	3867	3856	3867	3845	3805	3749	3671	3581	3469
52.5°	4563	4631	4675	4653	4675	4631	4563	4468	4355	4221	4069
50°	5478	5562	5618	5602	5618	5562	5478	5355	5203	5018	4805
47.5°	6623	6741	6836	6842	6836	6741	6623	6460	6253	6006	5714
45°	8127	8301	8430	8408	8430	8301	8127	7886	7583	7224	6864
42.5°	10080	10322	10513	10496	10513	10322	10080	9744	9306	8778	8239
40°	12376	12673	12926	12993	12926	12673	12376	11955	11388	10720	10036
37.5°	14739	15121	15441	15407	15441	15121	14739	14256	13661	12915	12101
35°	17113	17512	17826	17854	17826	17512	17113	16591	15963	15205	14279
32.5°	19600	20043	20413	20464	20413	20043	19600	19010	18269	17405	16440
30°	22193	22726	23169	23259	23169	22726	22193	21508	20677	19706	18584
27.5°	24920	25555	25976	26138	25976	25555	24920	24095	23063	22041	20812
25°	27732	28423	28894	29158	28894	28423	27732	26840	25723	24471	23034
22.5°	30668	31487	32099	32391	32099	31487	30668	29629	28372	26930	25280
20°	33699	34591	35304	35607	35304	34591	33699	32486	31055	29315	27474
17.5°	36786	37874	38666	39053	38666	37874	36786	35500	33715	31689	29590
15°	39783	40939	41798	42213	41798	40939	39783	38256	36258	34013	31650
12.5°	42561	43785	44643	45244	44643	43785	42561	40827	38660	36241	33620
10°	45042	46378	47248	47871	47248	46378	45042	43100	40742	38172	35366
7.5°	46900	48589	49571	50183	49571	48589	46900	44857	42387	39626	36656
5°	48325	50189	51081	51659	51081	50189	48325	46220	43695	40838	37807
2.5°	49369	50840	51957	52535	51957	50840	49369	47220	44408	41472	38374
0°	49779	51508	52299	52675	52299	51508	49779	47528	44885	41697	38520
-2.5°	49369	50840	51957	52535	51957	50840	49369	47220	44408	41472	38374
-5°	48325	50189	51081	51659	51081	50189	48325	46220	43695	40838	37807
-7.5°	46900	48589	49571	50183	49571	48589	46900	44857	42387	39626	36656
-10°	45042	46378	47248	47871	47248	46378	45042	43100	40742	38172	35366
-12.5°	42561	43785	44643	45244	44643	43785	42561	40827	38660	36241	33620
-15°	39783	40939	41798	42213	41798	40939	39783	38256	36258	34013	31650
-17.5°	36786	37874	38666	39053	38666	37874	36786	35500	33715	31689	29590
-20°	33699	34591	35304	35607	35304	34591	33699	32486	31055	29315	27474



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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°	30668	31487	32099	32391	32099	31487	30668	29629	28372	26930	25280
-25°	27732	28423	28894	29158	28894	28423	27732	26840	25723	24471	23034
-27.5°	24920	25555	25976	26138	25976	25555	24920	24095	23063	22041	20812
-30°	22193	22726	23169	23259	23169	22726	22193	21508	20677	19706	18584
-32.5°	19600	20043	20413	20464	20413	20043	19600	19010	18269	17405	16440
-35°	17113	17512	17826	17854	17826	17512	17113	16591	15963	15205	14279
-37.5°	14739	15121	15441	15407	15441	15121	14739	14256	13661	12915	12101
-40°	12376	12673	12926	12993	12926	12673	12376	11955	11388	10720	10036
-42.5°	10080	10322	10513	10496	10513	10322	10080	9744	9306	8778	8239
-45°	8127	8301	8430	8408	8430	8301	8127	7886	7583	7224	6864
-47.5°	6623	6741	6836	6842	6836	6741	6623	6460	6253	6006	5714
-50°	5478	5562	5618	5602	5618	5562	5478	5355	5203	5018	4805
-52.5°	4563	4631	4675	4653	4675	4631	4563	4468	4355	4221	4069
-55°	3805	3845	3867	3856	3867	3845	3805	3749	3671	3581	3469
-57.5°	3222	3250	3289	3300	3289	3250	3222	3177	3121	3053	2969
-60°	2739	2761	2790	2795	2790	2761	2739	2711	2666	2616	2559
-62.5°	2335	2352	2363	2363	2363	2352	2335	2318	2290	2251	2206
-65°	1998	2004	2021	2026	2021	2004	1998	1981	1964	1936	1903
-67.5°	1706	1718	1718	1723	1718	1718	1706	1701	1689	1667	1645
-70°	1437	1448	1437	1420	1437	1448	1437	1431	1431	1426	1414
-72.5°	1111	1083	1038	999	1038	1083	1111	1151	1184	1207	1196
-75°	814	752	735	718	735	752	814	876	932	977	977
-77.5°	601	539	516	500	516	539	601	662	724	775	780
-80°	443	376	365	354	365	376	443	494	550	606	612
-82.5°	314	258	247	236	247	258	314	359	410	455	466
-85°	196	163	157	146	157	163	196	230	258	286	286
-87.5°	95	79	73	62	73	79	95	118	135	152	146
-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°	140	140	135	140	140	140	140	124	112	101	90
85°	286	286	286	286	286	286	281	258	230	208	185
82.5°	472	477	477	466	449	438	421	382	342	309	275
80°	623	629	634	617	601	584	556	505	455	404	365
77.5°	780	786	780	763	747	724	690	640	589	539	500
75°	977	971	960	937	915	892	864	820	763	702	657
72.5°	1184	1167	1151	1123	1089	1055	1022	982	937	887	842
70°	1392	1370	1341	1302	1263	1224	1184	1134	1089	1038	993
67.5°	1617	1588	1549	1504	1454	1403	1353	1297	1240	1184	1134
65°	1863	1824	1774	1723	1667	1605	1538	1471	1409	1336	1274
62.5°	2150	2088	2026	1970	1897	1824	1746	1667	1588	1510	1426
60°	2492	2414	2341	2251	2161	2071	1976	1880	1779	1689	1588
57.5°	2874	2778	2683	2582	2464	2352	2234	2110	1998	1880	1762
55°	3345	3222	3093	2952	2812	2666	2520	2374	2234	2082	1953
52.5°	3901	3744	3575	3384	3211	3025	2851	2666	2492	2318	2150
50°	4591	4378	4142	3895	3671	3429	3205	2986	2773	2571	2369
47.5°	5433	5136	4816	4513	4204	3890	3620	3356	3087	2834	2610
45°	6455	6045	5613	5231	4816	4445	4069	3744	3429	3143	2857
42.5°	7723	7145	6601	6079	5545	5074	4602	4198	3817	3463	3143
40°	9311	8492	7807	7083	6443	5792	5237	4715	4243	3822	3429
37.5°	11192	10232	9267	8284	7471	6668	5933	5287	4720	4210	3755
35°	13246	12146	10967	9800	8616	7661	6735	5927	5237	4619	4092
32.5°	15418	14105	12797	11444	10069	8750	7656	6651	5787	5080	4457
30°	17354	16030	14610	13134	11596	10058	8632	7465	6438	5545	4827
27.5°	19409	17904	16372	14789	13139	11427	9777	8290	7089	6084	5237
25°	21457	19802	18090	16378	14632	12803	10911	9233	7807	6617	5602
22.5°	23483	21671	19807	17865	16013	14082	12107	10148	8470	7145	6028
20°	25532	23495	21474	19369	17304	15334	13212	11113	9250	7689	6421
17.5°	27485	25274	22984	20688	18511	16361	14200	12045	9968	8183	6814
15°	29332	26868	24404	21929	19555	17349	15081	12853	10647	8705	7156
12.5°	30926	28226	25661	23074	20548	18202	15861	13555	11287	9210	7504
10°	32374	29467	26756	24067	21452	18937	16507	14138	11809	9620	7785
7.5°	33609	30572	27671	24836	22120	19493	16995	14587	12213	9934	8004
5°	34557	31319	28288	25336	22563	19863	17343	14907	12499	10159	8144
2.5°	35006	31762	28619	25611	22945	20194	17658	15194	12741	10372	8296
0°	35231	31925	28771	25846	23107	20329	17742	15233	12735	10400	8307
-2.5°	35006	31762	28619	25611	22945	20194	17658	15194	12741	10372	8296
-5°	34557	31319	28288	25336	22563	19863	17343	14907	12499	10159	8144
-7.5°	33609	30572	27671	24836	22120	19493	16995	14587	12213	9934	8004
-10°	32374	29467	26756	24067	21452	18937	16507	14138	11809	9620	7785
-12.5°	30926	28226	25661	23074	20548	18202	15861	13555	11287	9210	7504
-15°	29332	26868	24404	21929	19555	17349	15081	12853	10647	8705	7156
-17.5°	27485	25274	22984	20688	18511	16361	14200	12045	9968	8183	6814
-20°	25532	23495	21474	19369	17304	15334	13212	11113	9250	7689	6421



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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°	23483	21671	19807	17865	16013	14082	12107	10148	8470	7145	6028
-25°	21457	19802	18090	16378	14632	12803	10911	9233	7807	6617	5602
-27.5°	19409	17904	16372	14789	13139	11427	9777	8290	7089	6084	5237
-30°	17354	16030	14610	13134	11596	10058	8632	7465	6438	5545	4827
-32.5°	15418	14105	12797	11444	10069	8750	7656	6651	5787	5080	4457
-35°	13246	12146	10967	9800	8616	7661	6735	5927	5237	4619	4092
-37.5°	11192	10232	9267	8284	7471	6668	5933	5287	4720	4210	3755
-40°	9311	8492	7807	7083	6443	5792	5237	4715	4243	3822	3429
-42.5°	7723	7145	6601	6079	5545	5074	4602	4198	3817	3463	3143
-45°	6455	6045	5613	5231	4816	4445	4069	3744	3429	3143	2857
-47.5°	5433	5136	4816	4513	4204	3890	3620	3356	3087	2834	2610
-50°	4591	4378	4142	3895	3671	3429	3205	2986	2773	2571	2369
-52.5°	3901	3744	3575	3384	3211	3025	2851	2666	2492	2318	2150
-55°	3345	3222	3093	2952	2812	2666	2520	2374	2234	2082	1953
-57.5°	2874	2778	2683	2582	2464	2352	2234	2110	1998	1880	1762
-60°	2492	2414	2341	2251	2161	2071	1976	1880	1779	1689	1588
-62.5°	2150	2088	2026	1970	1897	1824	1746	1667	1588	1510	1426
-65°	1863	1824	1774	1723	1667	1605	1538	1471	1409	1336	1274
-67.5°	1617	1588	1549	1504	1454	1403	1353	1297	1240	1184	1134
-70°	1392	1370	1341	1302	1263	1224	1184	1134	1089	1038	993
-72.5°	1184	1167	1151	1123	1089	1055	1022	982	937	887	842
-75°	977	971	960	937	915	892	864	820	763	702	657
-77.5°	780	786	780	763	747	724	690	640	589	539	500
-80°	623	629	634	617	601	584	556	505	455	404	365
-82.5°	472	477	477	466	449	438	421	382	342	309	275
-85°	286	286	286	286	286	286	281	258	230	208	185
-87.5°	140	140	135	140	140	140	140	124	112	101	90
-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°	95	101	107	107	107	101	95	90	79	73	67
85°	196	202	213	219	208	202	185	174	163	146	135
82.5°	292	303	314	314	303	292	275	258	241	219	196
80°	387	404	421	421	404	382	359	337	314	286	258
77.5°	511	522	528	533	511	488	460	421	387	354	320
75°	646	646	651	640	617	601	561	516	466	421	376
72.5°	808	780	769	752	713	679	651	612	544	483	432
70°	949	909	876	842	803	758	724	674	617	544	483
67.5°	1083	1033	982	937	887	842	791	730	668	601	533
65°	1218	1156	1095	1033	977	921	864	791	718	651	578
62.5°	1353	1280	1207	1134	1066	999	937	853	769	696	617
60°	1493	1414	1330	1246	1162	1083	1005	915	825	735	657
57.5°	1656	1544	1448	1353	1257	1167	1072	977	881	786	690
55°	1819	1695	1572	1465	1358	1257	1145	1038	932	831	724
52.5°	1993	1847	1712	1577	1459	1341	1224	1111	988	876	747
50°	2183	2009	1852	1701	1560	1431	1302	1173	1044	921	775
47.5°	2385	2183	1998	1824	1673	1515	1375	1240	1100	971	803
45°	2610	2369	2150	1959	1774	1605	1454	1302	1156	1005	820
42.5°	2829	2565	2318	2082	1886	1695	1532	1370	1212	1033	848
40°	3087	2761	2486	2234	1998	1785	1600	1431	1269	1066	870
37.5°	3356	2980	2660	2369	2110	1880	1678	1487	1308	1100	892
35°	3626	3205	2834	2509	2228	1976	1751	1549	1347	1128	915
32.5°	3906	3429	3008	2649	2341	2071	1824	1605	1392	1162	932
30°	4215	3665	3188	2784	2447	2155	1897	1661	1437	1190	949
27.5°	4507	3884	3362	2930	2559	2245	1964	1718	1487	1218	971
25°	4799	4120	3547	3065	2666	2324	2032	1768	1532	1252	988
22.5°	5113	4350	3716	3194	2761	2402	2094	1824	1572	1285	1005
20°	5399	4558	3862	3317	2863	2481	2155	1869	1605	1319	1022
17.5°	5663	4771	4041	3446	2958	2554	2206	1908	1639	1347	1033
15°	5949	4984	4198	3558	3042	2616	2256	1948	1667	1375	1038
12.5°	6196	5164	4333	3660	3115	2666	2296	1976	1695	1403	1050
10°	6399	5310	4445	3738	3171	2711	2324	2004	1712	1420	1055
7.5°	6556	5422	4529	3800	3216	2745	2352	2021	1729	1437	1055
5°	6674	5506	4586	3845	3250	2773	2374	2037	1746	1459	1061
2.5°	6780	5596	4631	3884	3278	2795	2391	2049	1746	1454	1050
0°	6797	5613	4625	3884	3278	2801	2391	2049	1740	1448	1038
-2.5°	6780	5596	4631	3884	3278	2795	2391	2049	1746	1454	1050
-5°	6674	5506	4586	3845	3250	2773	2374	2037	1746	1459	1061
-7.5°	6556	5422	4529	3800	3216	2745	2352	2021	1729	1437	1055
-10°	6399	5310	4445	3738	3171	2711	2324	2004	1712	1420	1055
-12.5°	6196	5164	4333	3660	3115	2666	2296	1976	1695	1403	1050
-15°	5949	4984	4198	3558	3042	2616	2256	1948	1667	1375	1038
-17.5°	5663	4771	4041	3446	2958	2554	2206	1908	1639	1347	1033
-20°	5399	4558	3862	3317	2863	2481	2155	1869	1605	1319	1022



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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°	5113	4350	3716	3194	2761	2402	2094	1824	1572	1285	1005
-25°	4799	4120	3547	3065	2666	2324	2032	1768	1532	1252	988
-27.5°	4507	3884	3362	2930	2559	2245	1964	1718	1487	1218	971
-30°	4215	3665	3188	2784	2447	2155	1897	1661	1437	1190	949
-32.5°	3906	3429	3008	2649	2341	2071	1824	1605	1392	1162	932
-35°	3626	3205	2834	2509	2228	1976	1751	1549	1347	1128	915
-37.5°	3356	2980	2660	2369	2110	1880	1678	1487	1308	1100	892
-40°	3087	2761	2486	2234	1998	1785	1600	1431	1269	1066	870
-42.5°	2829	2565	2318	2082	1886	1695	1532	1370	1212	1033	848
-45°	2610	2369	2150	1959	1774	1605	1454	1302	1156	1005	820
-47.5°	2385	2183	1998	1824	1673	1515	1375	1240	1100	971	803
-50°	2183	2009	1852	1701	1560	1431	1302	1173	1044	921	775
-52.5°	1993	1847	1712	1577	1459	1341	1224	1111	988	876	747
-55°	1819	1695	1572	1465	1358	1257	1145	1038	932	831	724
-57.5°	1656	1544	1448	1353	1257	1167	1072	977	881	786	690
-60°	1493	1414	1330	1246	1162	1083	1005	915	825	735	657
-62.5°	1353	1280	1207	1134	1066	999	937	853	769	696	617
-65°	1218	1156	1095	1033	977	921	864	791	718	651	578
-67.5°	1083	1033	982	937	887	842	791	730	668	601	533
-70°	949	909	876	842	803	758	724	674	617	544	483
-72.5°	808	780	769	752	713	679	651	612	544	483	432
-75°	646	646	651	640	617	601	561	516	466	421	376
-77.5°	511	522	528	533	511	488	460	421	387	354	320
-80°	387	404	421	421	404	382	359	337	314	286	258
-82.5°	292	303	314	314	303	292	275	258	241	219	196
-85°	196	202	213	219	208	202	185	174	163	146	135
-87.5°	95	101	107	107	107	101	95	90	79	73	67
-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°	56	45	34	23	11	6	0
85°	118	90	62	39	23	11	0
82.5°	174	129	95	62	39	17	0
80°	230	174	124	84	51	23	0
77.5°	281	213	157	101	62	28	0
75°	326	247	185	124	73	34	0
72.5°	370	281	208	140	84	39	0
70°	415	314	230	163	95	45	0
67.5°	449	342	253	174	107	51	0
65°	477	370	269	185	118	51	0
62.5°	505	393	286	196	129	56	0
60°	539	415	309	208	135	62	0
57.5°	561	432	320	219	140	67	0
55°	584	455	331	230	152	73	0
52.5°	606	472	348	236	157	73	0
50°	623	488	359	241	163	79	0
47.5°	646	500	365	247	168	84	0
45°	662	516	376	253	174	84	0
42.5°	679	528	382	258	174	90	0
40°	696	533	393	269	180	95	0
37.5°	707	544	399	275	185	95	0
35°	713	550	404	281	191	101	0
32.5°	724	561	410	292	191	101	0
30°	741	561	410	298	196	101	0
27.5°	752	567	421	298	196	107	0
25°	758	567	427	303	202	107	0
22.5°	763	573	432	309	202	107	0
20°	769	578	438	314	208	112	0
17.5°	775	589	443	314	208	112	0
15°	786	595	443	314	208	118	0
12.5°	791	595	443	320	208	118	0
10°	797	601	443	320	213	112	0
7.5°	797	601	449	320	213	112	0
5°	797	606	443	320	208	112	0
2.5°	786	606	443	314	208	112	0
0°	780	601	438	314	208	112	0
-2.5°	786	606	443	314	208	112	0
-5°	797	606	443	320	208	112	0
-7.5°	797	601	449	320	213	112	0
-10°	797	601	443	320	213	112	0
-12.5°	791	595	443	320	208	118	0
-15°	786	595	443	314	208	118	0
-17.5°	775	589	443	314	208	112	0
-20°	769	578	438	314	208	112	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	763	573	432	309	202	107	0
-25°	758	567	427	303	202	107	0
-27.5°	752	567	421	298	196	107	0
-30°	741	561	410	298	196	101	0
-32.5°	724	561	410	292	191	101	0
-35°	713	550	404	281	191	101	0
-37.5°	707	544	399	275	185	95	0
-40°	696	533	393	269	180	95	0
-42.5°	679	528	382	258	174	90	0
-45°	662	516	376	253	174	84	0
-47.5°	646	500	365	247	168	84	0
-50°	623	488	359	241	163	79	0
-52.5°	606	472	348	236	157	73	0
-55°	584	455	331	230	152	73	0
-57.5°	561	432	320	219	140	67	0
-60°	539	415	309	208	135	62	0
-62.5°	505	393	286	196	129	56	0
-65°	477	370	269	185	118	51	0
-67.5°	449	342	253	174	107	51	0
-70°	415	314	230	163	95	45	0
-72.5°	370	281	208	140	84	39	0
-75°	326	247	185	124	73	34	0
-77.5°	281	213	157	101	62	28	0
-80°	230	174	124	84	51	23	0
-82.5°	174	129	95	62	39	17	0
-85°	118	90	62	39	23	11	0
-87.5°	56	45	34	23	11	6	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)