

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: P622330

Luminaire Tested: **IFLD-S-SA6C-830-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622330  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-830-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

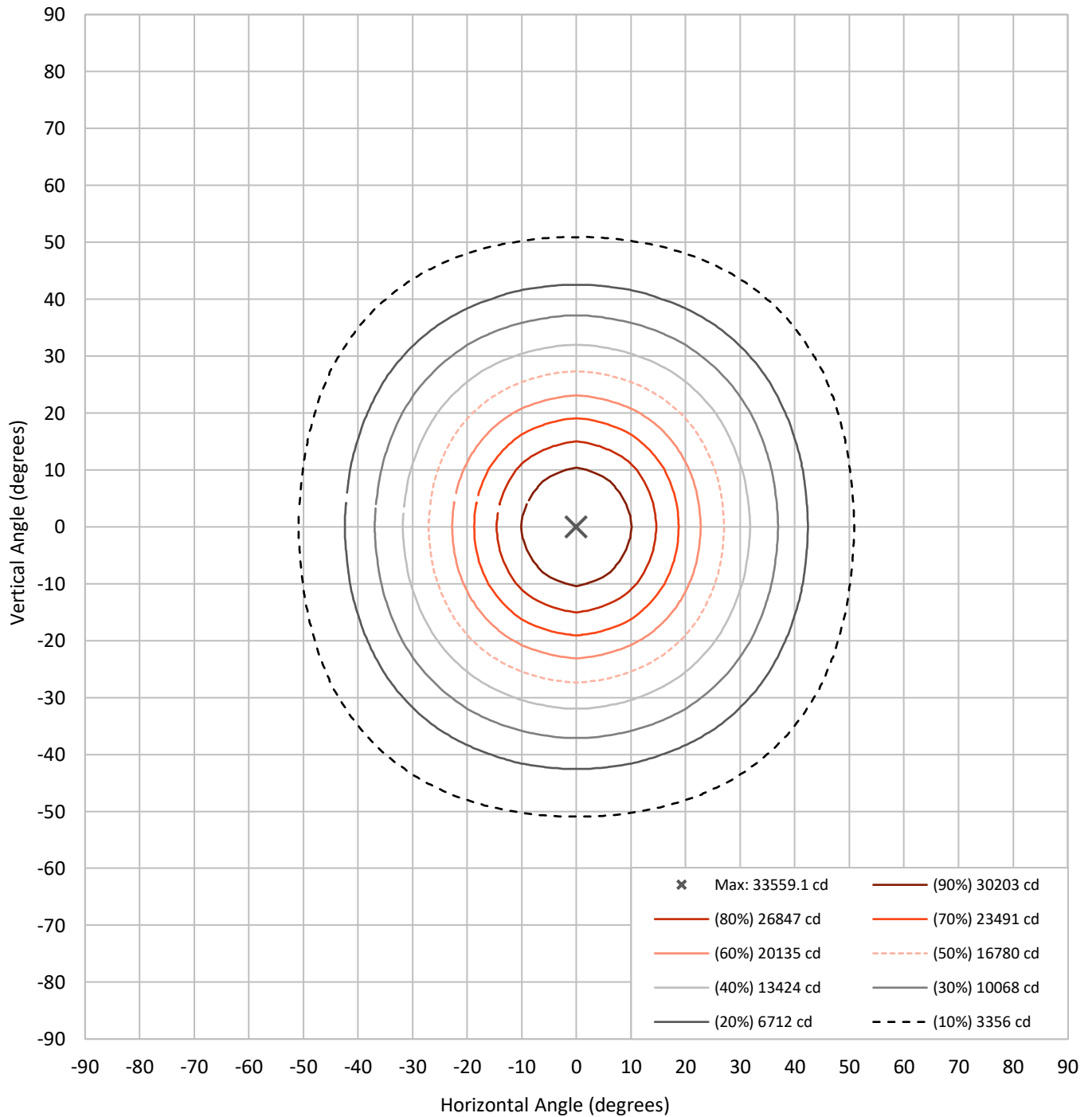
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34806.3 lumens	Max Intensity:	33559.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	16735 lumens	Field Lumens:	30546 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 321.5  
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





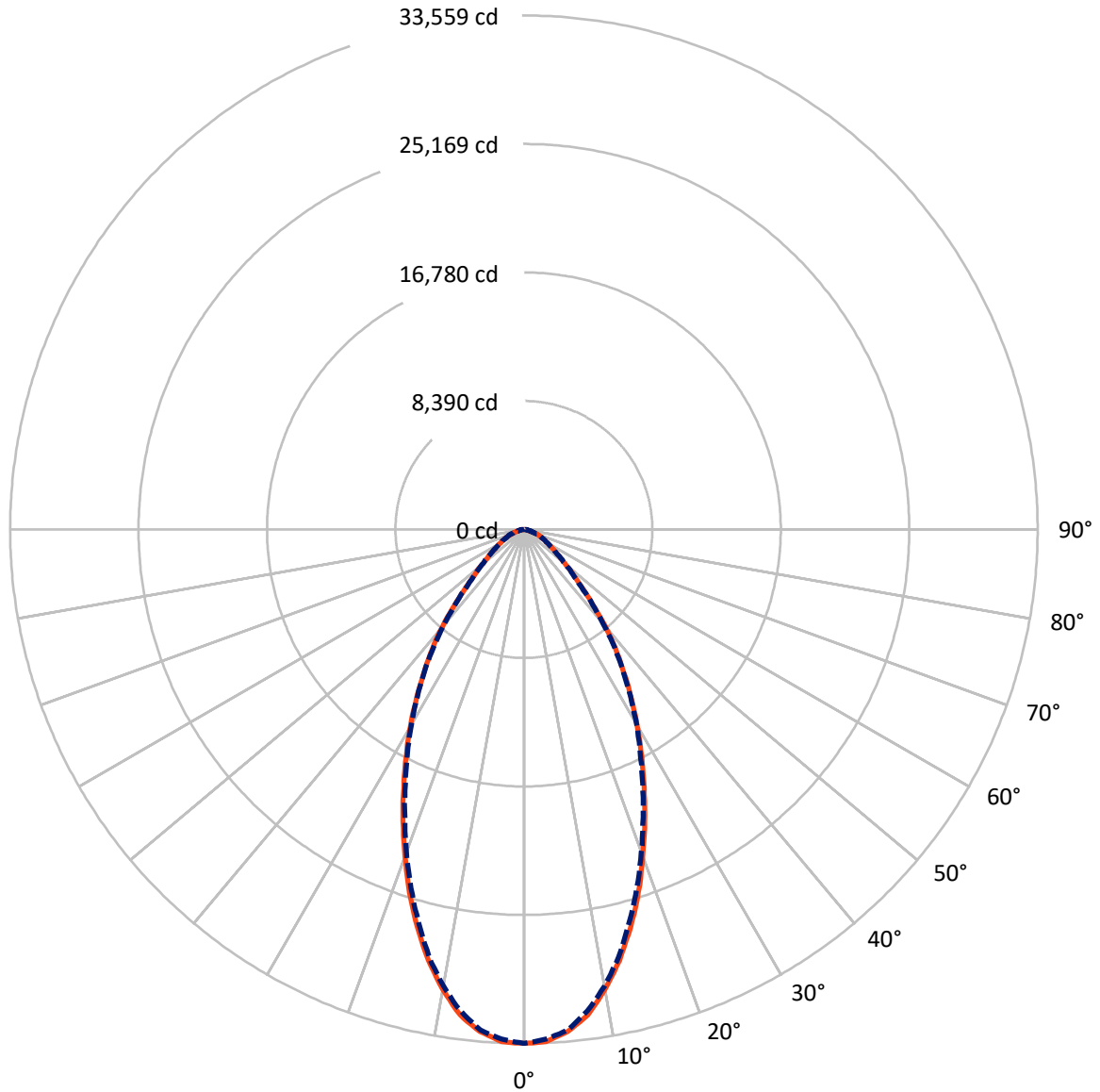
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### Lumen Table

90	2.4	14.9	30.1	45.8	39.3	45.8	30.1	14.9	2.4							
80	2.4	14.9	30.1	45.8	39.3	45.8	30.1	14.9	2.4							
70	6.1	6.5	11.6	17.6	24.7	31.5	36.8	39.4	39.4	36.8	31.5	24.7	17.6	11.6	6.5	6.1
60		8.6	16.5	27.0	40.6	55.2	68.5	76.4	76.4	68.5	55.2	40.6	27.0	16.5	8.6	
50	8.2	10.8	22.1	39.8	66.1	101.4	139.6	165.6	165.6	139.6	101.4	66.1	39.8	22.1	10.8	8.2
40		12.9	28.5	57.4	110.0	194.6	283.0	338.0	338.0	283.0	194.6	110.0	57.4	28.5	12.9	
30	9.5	14.8	35.1	79.5	176.1	317.8	456.5	547.9	547.9	456.5	317.8	176.1	79.5	35.1	14.8	9.5
20		16.4	40.9	102.3	239.8	427.9	633.7	782.4	782.4	633.7	427.9	239.8	102.3	40.9	16.4	
10	10.0	17.2	44.4	117.3	276.9	496.3	755.8	950.0	950.0	755.8	496.3	276.9	117.3	44.4	17.2	10.0
0		17.2	44.4	117.3	276.9	496.3	755.8	950.0	950.0	755.8	496.3	276.9	117.3	44.4	17.2	
-10	9.5	16.4	40.9	102.3	239.8	427.9	633.7	782.4	782.4	633.7	427.9	239.8	102.3	40.9	16.4	9.5
-20		14.8	35.1	79.5	176.1	317.8	456.5	547.9	547.9	456.5	317.8	176.1	79.5	35.1	14.8	
-30	8.2	12.9	28.5	57.4	110.0	194.6	283.0	338.0	338.0	283.0	194.6	110.0	57.4	28.5	12.9	8.2
-40		10.8	22.1	39.8	66.1	101.4	139.6	165.6	165.6	139.6	101.4	66.1	39.8	22.1	10.8	
-50	6.1	8.6	16.5	27.0	40.6	55.2	68.5	76.4	76.4	68.5	55.2	40.6	27.0	16.5	8.6	6.1
-60		6.5	11.6	17.6	24.7	31.5	36.8	39.4	39.4	36.8	31.5	24.7	17.6	11.6	6.5	
-70	2.4	14.9	30.1	45.8	39.3	45.8	30.1	14.9	2.4							
-80		2.4	14.9	30.1	45.8	39.3	45.8	30.1	14.9	2.4						
-90	2.4	14.9	30.1	45.8	39.3	45.8	30.1	14.9	2.4							

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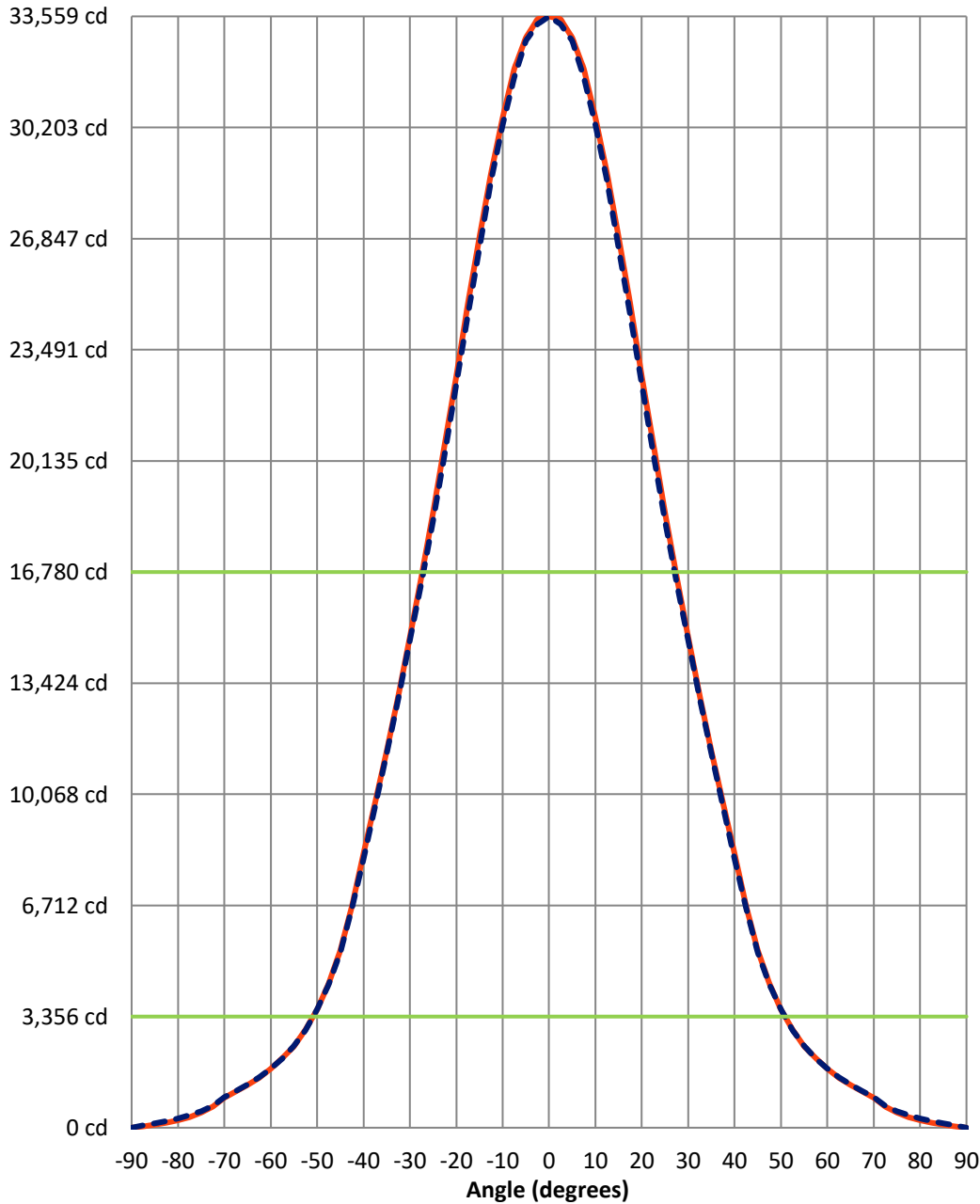
### Luminous Intensity Polar Plot



— 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: 16735  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 30546  
Efficiency: 87.8%

**Spill:**  
Lumens: 4260.4  
Efficiency: 12.2%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	4	7	14	22	29	36	43	47	50	57
85°	0	7	14	25	39	57	75	86	93	104	111
82.5°	0	11	25	39	61	82	111	125	140	154	165
80°	0	14	32	54	79	111	147	165	182	200	215
77.5°	0	18	39	64	100	136	179	204	225	247	268
75°	0	22	47	79	118	157	207	240	268	297	329
72.5°	0	25	54	89	132	179	236	275	308	347	390
70°	0	29	61	104	147	200	265	308	347	393	429
67.5°	0	32	68	111	161	218	286	340	383	426	465
65°	0	32	75	118	172	236	304	368	415	458	504
62.5°	0	36	82	125	182	250	322	393	443	490	544
60°	0	39	86	132	197	265	343	418	468	526	583
57.5°	0	43	89	140	204	275	358	440	501	561	622
55°	0	47	97	147	211	290	372	461	529	594	662
52.5°	0	47	100	150	222	300	386	476	558	629	708
50°	0	50	104	154	229	311	397	494	586	665	747
47.5°	0	54	107	157	232	318	411	511	619	701	790
45°	0	54	111	161	240	329	422	522	640	737	830
42.5°	0	57	111	165	243	336	433	540	658	772	873
40°	0	61	114	172	250	340	443	554	679	808	912
37.5°	0	61	118	175	254	347	451	569	701	833	948
35°	0	64	122	179	258	350	454	583	719	858	987
32.5°	0	64	122	186	261	358	461	594	740	887	1023
30°	0	64	125	190	261	358	472	604	758	915	1058
27.5°	0	68	125	190	268	361	479	619	776	948	1094
25°	0	68	129	193	272	361	483	629	797	976	1126
22.5°	0	68	129	197	275	365	486	640	819	1001	1162
20°	0	72	132	200	279	368	490	651	840	1023	1191
17.5°	0	72	132	200	283	376	494	658	858	1044	1216
15°	0	75	132	200	283	379	501	662	876	1062	1241
12.5°	0	75	132	204	283	379	504	669	894	1080	1259
10°	0	72	136	204	283	383	508	672	905	1091	1277
7.5°	0	72	136	204	286	383	508	672	915	1101	1287
5°	0	72	132	204	283	386	508	676	930	1112	1298
2.5°	0	72	132	200	283	386	501	669	926	1112	1305
0°	0	72	132	200	279	383	497	662	923	1109	1305
-2.5°	0	72	132	200	283	386	501	669	926	1112	1305
-5°	0	72	132	204	283	386	508	676	930	1112	1298
-7.5°	0	72	136	204	286	383	508	672	915	1101	1287
-10°	0	72	136	204	283	383	508	672	905	1091	1277
-12.5°	0	75	132	204	283	379	504	669	894	1080	1259
-15°	0	75	132	200	283	379	501	662	876	1062	1241
-17.5°	0	72	132	200	283	376	494	658	858	1044	1216
-20°	0	72	132	200	279	368	490	651	840	1023	1191



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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	68	129	197	275	365	486	640	819	1001	1162
-25°	0	68	129	193	272	361	483	629	797	976	1126
-27.5°	0	68	125	190	268	361	479	619	776	948	1094
-30°	0	64	125	190	261	358	472	604	758	915	1058
-32.5°	0	64	122	186	261	358	461	594	740	887	1023
-35°	0	64	122	179	258	350	454	583	719	858	987
-37.5°	0	61	118	175	254	347	451	569	701	833	948
-40°	0	61	114	172	250	340	443	554	679	808	912
-42.5°	0	57	111	165	243	336	433	540	658	772	873
-45°	0	54	111	161	240	329	422	522	640	737	830
-47.5°	0	54	107	157	232	318	411	511	619	701	790
-50°	0	50	104	154	229	311	397	494	586	665	747
-52.5°	0	47	100	150	222	300	386	476	558	629	708
-55°	0	47	97	147	211	290	372	461	529	594	662
-57.5°	0	43	89	140	204	275	358	440	501	561	622
-60°	0	39	86	132	197	265	343	418	468	526	583
-62.5°	0	36	82	125	182	250	322	393	443	490	544
-65°	0	32	75	118	172	236	304	368	415	458	504
-67.5°	0	32	68	111	161	218	286	340	383	426	465
-70°	0	29	61	104	147	200	265	308	347	393	429
-72.5°	0	25	54	89	132	179	236	275	308	347	390
-75°	0	22	47	79	118	157	207	240	268	297	329
-77.5°	0	18	39	64	100	136	179	204	225	247	268
-80°	0	14	32	54	79	111	147	165	182	200	215
-82.5°	0	11	25	39	61	82	111	125	140	154	165
-85°	0	7	14	25	39	57	75	86	93	104	111
-87.5°	0	4	7	14	22	29	36	43	47	50	57
-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°	61	64	68	68	68	64	61	57	64	72	79
85°	118	129	132	140	136	129	125	118	132	147	165
82.5°	175	186	193	200	200	193	186	175	197	218	243
80°	229	243	258	268	268	258	247	232	258	290	322
77.5°	293	311	325	340	336	333	325	318	343	376	408
75°	358	383	393	408	415	411	411	418	447	486	522
72.5°	415	433	454	479	490	497	515	536	565	597	626
70°	461	483	511	536	558	579	604	633	662	694	722
67.5°	504	536	565	597	626	658	690	722	755	790	826
65°	551	586	622	658	697	737	776	812	851	898	937
62.5°	597	637	679	722	769	815	862	908	962	1012	1062
60°	640	690	740	794	848	901	951	1012	1076	1134	1198
57.5°	683	744	801	862	923	983	1055	1123	1198	1273	1345
55°	730	801	865	933	1001	1080	1159	1244	1327	1423	1513
52.5°	780	855	930	1005	1091	1176	1269	1370	1477	1588	1699
50°	830	912	994	1084	1180	1280	1391	1509	1638	1767	1902
47.5°	876	966	1066	1162	1273	1391	1520	1663	1806	1967	2138
45°	926	1023	1130	1248	1370	1509	1663	1820	2003	2185	2385
42.5°	976	1080	1202	1327	1477	1634	1802	2003	2206	2432	2675
40°	1019	1137	1273	1423	1584	1759	1967	2185	2435	2703	3004
37.5°	1069	1198	1345	1509	1695	1899	2138	2392	2682	3007	3368
35°	1116	1259	1420	1598	1806	2042	2310	2607	2943	3336	3776
32.5°	1162	1320	1491	1688	1917	2185	2489	2839	3236	3687	4237
30°	1209	1373	1559	1774	2031	2335	2685	3075	3533	4102	4756
27.5°	1252	1430	1631	1867	2142	2475	2871	3336	3876	4516	5282
25°	1294	1480	1699	1952	2260	2625	3057	3569	4216	4974	5882
22.5°	1334	1531	1759	2035	2367	2771	3258	3840	4552	5396	6465
20°	1373	1581	1824	2113	2460	2904	3440	4091	4899	5893	7080
17.5°	1405	1627	1885	2196	2575	3040	3608	4341	5214	6351	7674
15°	1438	1666	1938	2267	2675	3175	3790	4559	5546	6783	8189
12.5°	1463	1699	1985	2331	2761	3290	3948	4781	5868	7191	8636
10°	1480	1727	2020	2382	2832	3383	4076	4960	6129	7524	9008
7.5°	1498	1749	2049	2421	2886	3454	4177	5099	6329	7781	9294
5°	1513	1767	2070	2449	2921	3508	4252	5189	6472	7963	9497
2.5°	1523	1781	2088	2475	2950	3565	4320	5285	6608	8117	9680
0°	1523	1784	2088	2475	2947	3576	4330	5292	6626	8114	9705
-2.5°	1523	1781	2088	2475	2950	3565	4320	5285	6608	8117	9680
-5°	1513	1767	2070	2449	2921	3508	4252	5189	6472	7963	9497
-7.5°	1498	1749	2049	2421	2886	3454	4177	5099	6329	7781	9294
-10°	1480	1727	2020	2382	2832	3383	4076	4960	6129	7524	9008
-12.5°	1463	1699	1985	2331	2761	3290	3948	4781	5868	7191	8636
-15°	1438	1666	1938	2267	2675	3175	3790	4559	5546	6783	8189
-17.5°	1405	1627	1885	2196	2575	3040	3608	4341	5214	6351	7674
-20°	1373	1581	1824	2113	2460	2904	3440	4091	4899	5893	7080



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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°	1334	1531	1759	2035	2367	2771	3258	3840	4552	5396	6465
-25°	1294	1480	1699	1952	2260	2625	3057	3569	4216	4974	5882
-27.5°	1252	1430	1631	1867	2142	2475	2871	3336	3876	4516	5282
-30°	1209	1373	1559	1774	2031	2335	2685	3075	3533	4102	4756
-32.5°	1162	1320	1491	1688	1917	2185	2489	2839	3236	3687	4237
-35°	1116	1259	1420	1598	1806	2042	2310	2607	2943	3336	3776
-37.5°	1069	1198	1345	1509	1695	1899	2138	2392	2682	3007	3368
-40°	1019	1137	1273	1423	1584	1759	1967	2185	2435	2703	3004
-42.5°	976	1080	1202	1327	1477	1634	1802	2003	2206	2432	2675
-45°	926	1023	1130	1248	1370	1509	1663	1820	2003	2185	2385
-47.5°	876	966	1066	1162	1273	1391	1520	1663	1806	1967	2138
-50°	830	912	994	1084	1180	1280	1391	1509	1638	1767	1902
-52.5°	780	855	930	1005	1091	1176	1269	1370	1477	1588	1699
-55°	730	801	865	933	1001	1080	1159	1244	1327	1423	1513
-57.5°	683	744	801	862	923	983	1055	1123	1198	1273	1345
-60°	640	690	740	794	848	901	951	1012	1076	1134	1198
-62.5°	597	637	679	722	769	815	862	908	962	1012	1062
-65°	551	586	622	658	697	737	776	812	851	898	937
-67.5°	504	536	565	597	626	658	690	722	755	790	826
-70°	461	483	511	536	558	579	604	633	662	694	722
-72.5°	415	433	454	479	490	497	515	536	565	597	626
-75°	358	383	393	408	415	411	411	418	447	486	522
-77.5°	293	311	325	340	336	333	325	318	343	376	408
-80°	229	243	258	268	268	258	247	232	258	290	322
-82.5°	175	186	193	200	200	193	186	175	197	218	243
-85°	118	129	132	140	136	129	125	118	132	147	165
-87.5°	61	64	68	68	68	64	61	57	64	72	79
-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°	89	89	89	89	86	89	89	93	97	86	75
85°	179	182	182	182	182	182	182	182	182	165	147
82.5°	268	279	286	297	304	304	300	297	290	261	229
80°	354	372	383	393	404	401	397	390	386	350	315
77.5°	440	461	476	486	497	501	497	497	494	461	422
75°	551	569	583	597	612	619	622	622	622	594	558
72.5°	651	672	694	715	733	744	755	762	769	755	733
70°	755	780	805	830	855	873	887	901	908	912	912
67.5°	862	894	926	958	987	1012	1030	1048	1062	1076	1084
65°	980	1023	1062	1098	1130	1162	1187	1212	1234	1252	1262
62.5°	1112	1162	1209	1255	1291	1330	1370	1405	1434	1459	1477
60°	1259	1320	1377	1434	1491	1538	1588	1631	1666	1699	1727
57.5°	1423	1498	1570	1645	1709	1770	1831	1892	1945	1988	2024
55°	1606	1699	1792	1881	1970	2053	2131	2210	2281	2339	2389
52.5°	1817	1927	2045	2156	2278	2385	2485	2593	2689	2775	2846
50°	2042	2185	2339	2482	2639	2789	2925	3061	3197	3315	3411
47.5°	2306	2478	2678	2875	3068	3272	3461	3640	3826	3984	4116
45°	2593	2832	3068	3333	3576	3851	4112	4373	4602	4831	5024
42.5°	2932	3233	3533	3873	4205	4552	4920	5249	5593	5929	6208
40°	3336	3690	4105	4513	4974	5410	5932	6394	6830	7255	7617
37.5°	3780	4248	4759	5278	5904	6519	7130	7710	8228	8704	9083
35°	4291	4881	5489	6243	6987	7738	8439	9097	9687	10170	10570
32.5°	4877	5575	6415	7291	8153	8986	9823	10474	11089	11639	12111
30°	5500	6408	7388	8367	9308	10213	11057	11840	12555	13173	13703
27.5°	6229	7280	8371	9422	10431	11407	12365	13259	14042	14693	15351
25°	6951	8157	9322	10434	11525	12616	13670	14675	15591	16388	17100
22.5°	7713	8972	10202	11382	12619	13806	14961	16106	17157	18076	18877
20°	8418	9769	11024	12340	13681	14968	16266	17504	18677	19785	20697
17.5°	9047	10424	11793	13181	14643	16102	17511	18852	20189	21480	22617
15°	9608	11053	12458	13971	15548	17118	18687	20164	21670	23100	24373
12.5°	10105	11596	13091	14700	16349	17983	19703	21419	23089	24630	26011
10°	10517	12065	13667	15333	17046	18773	20625	22531	24319	25957	27459
7.5°	10828	12419	14092	15823	17629	19478	21412	23354	25245	27005	28578
5°	11049	12655	14375	16141	18022	19953	22016	24087	26018	27838	29447
2.5°	11250	12866	14618	16317	18233	20236	22302	24448	26422	28292	30083
0°	11303	12952	14722	16467	18330	20339	22446	24541	26565	28596	30280
-2.5°	11250	12866	14618	16317	18233	20236	22302	24448	26422	28292	30083
-5°	11049	12655	14375	16141	18022	19953	22016	24087	26018	27838	29447
-7.5°	10828	12419	14092	15823	17629	19478	21412	23354	25245	27005	28578
-10°	10517	12065	13667	15333	17046	18773	20625	22531	24319	25957	27459
-12.5°	10105	11596	13091	14700	16349	17983	19703	21419	23089	24630	26011
-15°	9608	11053	12458	13971	15548	17118	18687	20164	21670	23100	24373
-17.5°	9047	10424	11793	13181	14643	16102	17511	18852	20189	21480	22617
-20°	8418	9769	11024	12340	13681	14968	16266	17504	18677	19785	20697



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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°	7713	8972	10202	11382	12619	13806	14961	16106	17157	18076	18877
-25°	6951	8157	9322	10434	11525	12616	13670	14675	15591	16388	17100
-27.5°	6229	7280	8371	9422	10431	11407	12365	13259	14042	14693	15351
-30°	5500	6408	7388	8367	9308	10213	11057	11840	12555	13173	13703
-32.5°	4877	5575	6415	7291	8153	8986	9823	10474	11089	11639	12111
-35°	4291	4881	5489	6243	6987	7738	8439	9097	9687	10170	10570
-37.5°	3780	4248	4759	5278	5904	6519	7130	7710	8228	8704	9083
-40°	3336	3690	4105	4513	4974	5410	5932	6394	6830	7255	7617
-42.5°	2932	3233	3533	3873	4205	4552	4920	5249	5593	5929	6208
-45°	2593	2832	3068	3333	3576	3851	4112	4373	4602	4831	5024
-47.5°	2306	2478	2678	2875	3068	3272	3461	3640	3826	3984	4116
-50°	2042	2185	2339	2482	2639	2789	2925	3061	3197	3315	3411
-52.5°	1817	1927	2045	2156	2278	2385	2485	2593	2689	2775	2846
-55°	1606	1699	1792	1881	1970	2053	2131	2210	2281	2339	2389
-57.5°	1423	1498	1570	1645	1709	1770	1831	1892	1945	1988	2024
-60°	1259	1320	1377	1434	1491	1538	1588	1631	1666	1699	1727
-62.5°	1112	1162	1209	1255	1291	1330	1370	1405	1434	1459	1477
-65°	980	1023	1062	1098	1130	1162	1187	1212	1234	1252	1262
-67.5°	862	894	926	958	987	1012	1030	1048	1062	1076	1084
-70°	755	780	805	830	855	873	887	901	908	912	912
-72.5°	651	672	694	715	733	744	755	762	769	755	733
-75°	551	569	583	597	612	619	622	622	622	594	558
-77.5°	440	461	476	486	497	501	497	497	494	461	422
-80°	354	372	383	393	404	401	397	390	386	350	315
-82.5°	268	279	286	297	304	304	300	297	290	261	229
-85°	179	182	182	182	182	182	182	182	182	165	147
-87.5°	89	89	89	89	86	89	89	93	97	86	75
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-S-SA6C-830-U-66

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	61	50	47	39	47	50	61	75	86	97	93
85°	125	104	100	93	100	104	125	147	165	182	182
82.5°	200	165	157	150	157	165	200	229	261	290	297
80°	283	240	232	225	232	240	283	315	350	386	390
77.5°	383	343	329	318	329	343	383	422	461	494	497
75°	519	479	468	458	468	479	519	558	594	622	622
72.5°	708	690	662	637	662	690	708	733	755	769	762
70°	915	923	915	905	915	923	915	912	912	908	901
67.5°	1087	1094	1094	1098	1094	1094	1087	1084	1076	1062	1048
65°	1273	1277	1287	1291	1287	1277	1273	1262	1252	1234	1212
62.5°	1488	1498	1505	1505	1505	1498	1488	1477	1459	1434	1405
60°	1745	1759	1777	1781	1777	1759	1745	1727	1699	1666	1631
57.5°	2053	2070	2095	2103	2095	2070	2053	2024	1988	1945	1892
55°	2424	2449	2464	2457	2464	2449	2424	2389	2339	2281	2210
52.5°	2907	2950	2979	2964	2979	2950	2907	2846	2775	2689	2593
50°	3490	3544	3579	3569	3579	3544	3490	3411	3315	3197	3061
47.5°	4220	4295	4355	4359	4355	4295	4220	4116	3984	3826	3640
45°	5178	5289	5371	5357	5371	5289	5178	5024	4831	4602	4373
42.5°	6422	6576	6698	6687	6698	6576	6422	6208	5929	5593	5249
40°	7885	8074	8235	8278	8235	8074	7885	7617	7255	6830	6394
37.5°	9390	9633	9837	9816	9837	9633	9390	9083	8704	8228	7710
35°	10903	11157	11357	11375	11357	11157	10903	10570	10170	9687	9097
32.5°	12487	12769	13005	13038	13005	12769	12487	12111	11639	11089	10474
30°	14139	14479	14761	14818	14761	14479	14139	13703	13173	12555	11840
27.5°	15877	16281	16549	16653	16549	16281	15877	15351	14693	14042	13259
25°	17668	18108	18408	18576	18408	18108	17668	17100	16388	15591	14675
22.5°	19538	20060	20450	20636	20450	20060	19538	18877	18076	17157	16106
20°	21469	22038	22492	22685	22492	22038	21469	20697	19785	18677	17504
17.5°	23436	24130	24634	24881	24634	24130	23436	22617	21480	20189	18852
15°	25346	26082	26629	26894	26629	26082	25346	24373	23100	21670	20164
12.5°	27116	27895	28442	28825	28442	27895	27116	26011	24630	23089	21419
10°	28696	29547	30101	30498	30101	29547	28696	27459	25957	24319	22531
7.5°	29880	30956	31582	31972	31582	30956	29880	28578	27005	25245	23354
5°	30788	31975	32544	32912	32544	31975	30788	29447	27838	26018	24087
2.5°	31453	32390	33101	33470	33101	32390	31453	30083	28292	26422	24448
0°	31714	32815	33320	33559	33320	32815	31714	30280	28596	26565	24541
-2.5°	31453	32390	33101	33470	33101	32390	31453	30083	28292	26422	24448
-5°	30788	31975	32544	32912	32544	31975	30788	29447	27838	26018	24087
-7.5°	29880	30956	31582	31972	31582	30956	29880	28578	27005	25245	23354
-10°	28696	29547	30101	30498	30101	29547	28696	27459	25957	24319	22531
-12.5°	27116	27895	28442	28825	28442	27895	27116	26011	24630	23089	21419
-15°	25346	26082	26629	26894	26629	26082	25346	24373	23100	21670	20164
-17.5°	23436	24130	24634	24881	24634	24130	23436	22617	21480	20189	18852
-20°	21469	22038	22492	22685	22492	22038	21469	20697	19785	18677	17504



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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°	19538	20060	20450	20636	20450	20060	19538	18877	18076	17157	16106
-25°	17668	18108	18408	18576	18408	18108	17668	17100	16388	15591	14675
-27.5°	15877	16281	16549	16653	16549	16281	15877	15351	14693	14042	13259
-30°	14139	14479	14761	14818	14761	14479	14139	13703	13173	12555	11840
-32.5°	12487	12769	13005	13038	13005	12769	12487	12111	11639	11089	10474
-35°	10903	11157	11357	11375	11357	11157	10903	10570	10170	9687	9097
-37.5°	9390	9633	9837	9816	9837	9633	9390	9083	8704	8228	7710
-40°	7885	8074	8235	8278	8235	8074	7885	7617	7255	6830	6394
-42.5°	6422	6576	6698	6687	6698	6576	6422	6208	5929	5593	5249
-45°	5178	5289	5371	5357	5371	5289	5178	5024	4831	4602	4373
-47.5°	4220	4295	4355	4359	4355	4295	4220	4116	3984	3826	3640
-50°	3490	3544	3579	3569	3579	3544	3490	3411	3315	3197	3061
-52.5°	2907	2950	2979	2964	2979	2950	2907	2846	2775	2689	2593
-55°	2424	2449	2464	2457	2464	2449	2424	2389	2339	2281	2210
-57.5°	2053	2070	2095	2103	2095	2070	2053	2024	1988	1945	1892
-60°	1745	1759	1777	1781	1777	1759	1745	1727	1699	1666	1631
-62.5°	1488	1498	1505	1505	1505	1498	1488	1477	1459	1434	1405
-65°	1273	1277	1287	1291	1287	1277	1273	1262	1252	1234	1212
-67.5°	1087	1094	1094	1098	1094	1094	1087	1084	1076	1062	1048
-70°	915	923	915	905	915	923	915	912	912	908	901
-72.5°	708	690	662	637	662	690	708	733	755	769	762
-75°	519	479	468	458	468	479	519	558	594	622	622
-77.5°	383	343	329	318	329	343	383	422	461	494	497
-80°	283	240	232	225	232	240	283	315	350	386	390
-82.5°	200	165	157	150	157	165	200	229	261	290	297
-85°	125	104	100	93	100	104	125	147	165	182	182
-87.5°	61	50	47	39	47	50	61	75	86	97	93
-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°	89	89	86	89	89	89	89	79	72	64	57
85°	182	182	182	182	182	182	179	165	147	132	118
82.5°	300	304	304	297	286	279	268	243	218	197	175
80°	397	401	404	393	383	372	354	322	290	258	232
77.5°	497	501	497	486	476	461	440	408	376	343	318
75°	622	619	612	597	583	569	551	522	486	447	418
72.5°	755	744	733	715	694	672	651	626	597	565	536
70°	887	873	855	830	805	780	755	722	694	662	633
67.5°	1030	1012	987	958	926	894	862	826	790	755	722
65°	1187	1162	1130	1098	1062	1023	980	937	898	851	812
62.5°	1370	1330	1291	1255	1209	1162	1112	1062	1012	962	908
60°	1588	1538	1491	1434	1377	1320	1259	1198	1134	1076	1012
57.5°	1831	1770	1709	1645	1570	1498	1423	1345	1273	1198	1123
55°	2131	2053	1970	1881	1792	1699	1606	1513	1423	1327	1244
52.5°	2485	2385	2278	2156	2045	1927	1817	1699	1588	1477	1370
50°	2925	2789	2639	2482	2339	2185	2042	1902	1767	1638	1509
47.5°	3461	3272	3068	2875	2678	2478	2306	2138	1967	1806	1663
45°	4112	3851	3576	3333	3068	2832	2593	2385	2185	2003	1820
42.5°	4920	4552	4205	3873	3533	3233	2932	2675	2432	2206	2003
40°	5932	5410	4974	4513	4105	3690	3336	3004	2703	2435	2185
37.5°	7130	6519	5904	5278	4759	4248	3780	3368	3007	2682	2392
35°	8439	7738	6987	6243	5489	4881	4291	3776	3336	2943	2607
32.5°	9823	8986	8153	7291	6415	5575	4877	4237	3687	3236	2839
30°	11057	10213	9308	8367	7388	6408	5500	4756	4102	3533	3075
27.5°	12365	11407	10431	9422	8371	7280	6229	5282	4516	3876	3336
25°	13670	12616	11525	10434	9322	8157	6951	5882	4974	4216	3569
22.5°	14961	13806	12619	11382	10202	8972	7713	6465	5396	4552	3840
20°	16266	14968	13681	12340	11024	9769	8418	7080	5893	4899	4091
17.5°	17511	16102	14643	13181	11793	10424	9047	7674	6351	5214	4341
15°	18687	17118	15548	13971	12458	11053	9608	8189	6783	5546	4559
12.5°	19703	17983	16349	14700	13091	11596	10105	8636	7191	5868	4781
10°	20625	18773	17046	15333	13667	12065	10517	9008	7524	6129	4960
7.5°	21412	19478	17629	15823	14092	12419	10828	9294	7781	6329	5099
5°	22016	19953	18022	16141	14375	12655	11049	9497	7963	6472	5189
2.5°	22302	20236	18233	16317	14618	12866	11250	9680	8117	6608	5285
0°	22446	20339	18330	16467	14722	12952	11303	9705	8114	6626	5292
-2.5°	22302	20236	18233	16317	14618	12866	11250	9680	8117	6608	5285
-5°	22016	19953	18022	16141	14375	12655	11049	9497	7963	6472	5189
-7.5°	21412	19478	17629	15823	14092	12419	10828	9294	7781	6329	5099
-10°	20625	18773	17046	15333	13667	12065	10517	9008	7524	6129	4960
-12.5°	19703	17983	16349	14700	13091	11596	10105	8636	7191	5868	4781
-15°	18687	17118	15548	13971	12458	11053	9608	8189	6783	5546	4559
-17.5°	17511	16102	14643	13181	11793	10424	9047	7674	6351	5214	4341
-20°	16266	14968	13681	12340	11024	9769	8418	7080	5893	4899	4091





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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°	14961	13806	12619	11382	10202	8972	7713	6465	5396	4552	3840
-25°	13670	12616	11525	10434	9322	8157	6951	5882	4974	4216	3569
-27.5°	12365	11407	10431	9422	8371	7280	6229	5282	4516	3876	3336
-30°	11057	10213	9308	8367	7388	6408	5500	4756	4102	3533	3075
-32.5°	9823	8986	8153	7291	6415	5575	4877	4237	3687	3236	2839
-35°	8439	7738	6987	6243	5489	4881	4291	3776	3336	2943	2607
-37.5°	7130	6519	5904	5278	4759	4248	3780	3368	3007	2682	2392
-40°	5932	5410	4974	4513	4105	3690	3336	3004	2703	2435	2185
-42.5°	4920	4552	4205	3873	3533	3233	2932	2675	2432	2206	2003
-45°	4112	3851	3576	3333	3068	2832	2593	2385	2185	2003	1820
-47.5°	3461	3272	3068	2875	2678	2478	2306	2138	1967	1806	1663
-50°	2925	2789	2639	2482	2339	2185	2042	1902	1767	1638	1509
-52.5°	2485	2385	2278	2156	2045	1927	1817	1699	1588	1477	1370
-55°	2131	2053	1970	1881	1792	1699	1606	1513	1423	1327	1244
-57.5°	1831	1770	1709	1645	1570	1498	1423	1345	1273	1198	1123
-60°	1588	1538	1491	1434	1377	1320	1259	1198	1134	1076	1012
-62.5°	1370	1330	1291	1255	1209	1162	1112	1062	1012	962	908
-65°	1187	1162	1130	1098	1062	1023	980	937	898	851	812
-67.5°	1030	1012	987	958	926	894	862	826	790	755	722
-70°	887	873	855	830	805	780	755	722	694	662	633
-72.5°	755	744	733	715	694	672	651	626	597	565	536
-75°	622	619	612	597	583	569	551	522	486	447	418
-77.5°	497	501	497	486	476	461	440	408	376	343	318
-80°	397	401	404	393	383	372	354	322	290	258	232
-82.5°	300	304	304	297	286	279	268	243	218	197	175
-85°	182	182	182	182	182	182	179	165	147	132	118
-87.5°	89	89	86	89	89	89	89	79	72	64	57
-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°	61	64	68	68	68	64	61	57	50	47	43
85°	125	129	136	140	132	129	118	111	104	93	86
82.5°	186	193	200	200	193	186	175	165	154	140	125
80°	247	258	268	268	258	243	229	215	200	182	165
77.5°	325	333	336	340	325	311	293	268	247	225	204
75°	411	411	415	408	393	383	358	329	297	268	240
72.5°	515	497	490	479	454	433	415	390	347	308	275
70°	604	579	558	536	511	483	461	429	393	347	308
67.5°	690	658	626	597	565	536	504	465	426	383	340
65°	776	737	697	658	622	586	551	504	458	415	368
62.5°	862	815	769	722	679	637	597	544	490	443	393
60°	951	901	848	794	740	690	640	583	526	468	418
57.5°	1055	983	923	862	801	744	683	622	561	501	440
55°	1159	1080	1001	933	865	801	730	662	594	529	461
52.5°	1269	1176	1091	1005	930	855	780	708	629	558	476
50°	1391	1280	1180	1084	994	912	830	747	665	586	494
47.5°	1520	1391	1273	1162	1066	966	876	790	701	619	511
45°	1663	1509	1370	1248	1130	1023	926	830	737	640	522
42.5°	1802	1634	1477	1327	1202	1080	976	873	772	658	540
40°	1967	1759	1584	1423	1273	1137	1019	912	808	679	554
37.5°	2138	1899	1695	1509	1345	1198	1069	948	833	701	569
35°	2310	2042	1806	1598	1420	1259	1116	987	858	719	583
32.5°	2489	2185	1917	1688	1491	1320	1162	1023	887	740	594
30°	2685	2335	2031	1774	1559	1373	1209	1058	915	758	604
27.5°	2871	2475	2142	1867	1631	1430	1252	1094	948	776	619
25°	3057	2625	2260	1952	1699	1480	1294	1126	976	797	629
22.5°	3258	2771	2367	2035	1759	1531	1334	1162	1001	819	640
20°	3440	2904	2460	2113	1824	1581	1373	1191	1023	840	651
17.5°	3608	3040	2575	2196	1885	1627	1405	1216	1044	858	658
15°	3790	3175	2675	2267	1938	1666	1438	1241	1062	876	662
12.5°	3948	3290	2761	2331	1985	1699	1463	1259	1080	894	669
10°	4076	3383	2832	2382	2020	1727	1480	1277	1091	905	672
7.5°	4177	3454	2886	2421	2049	1749	1498	1287	1101	915	672
5°	4252	3508	2921	2449	2070	1767	1513	1298	1112	930	676
2.5°	4320	3565	2950	2475	2088	1781	1523	1305	1112	926	669
0°	4330	3576	2947	2475	2088	1784	1523	1305	1109	923	662
-2.5°	4320	3565	2950	2475	2088	1781	1523	1305	1112	926	669
-5°	4252	3508	2921	2449	2070	1767	1513	1298	1112	930	676
-7.5°	4177	3454	2886	2421	2049	1749	1498	1287	1101	915	672
-10°	4076	3383	2832	2382	2020	1727	1480	1277	1091	905	672
-12.5°	3948	3290	2761	2331	1985	1699	1463	1259	1080	894	669
-15°	3790	3175	2675	2267	1938	1666	1438	1241	1062	876	662
-17.5°	3608	3040	2575	2196	1885	1627	1405	1216	1044	858	658
-20°	3440	2904	2460	2113	1824	1581	1373	1191	1023	840	651



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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°	3258	2771	2367	2035	1759	1531	1334	1162	1001	819	640
-25°	3057	2625	2260	1952	1699	1480	1294	1126	976	797	629
-27.5°	2871	2475	2142	1867	1631	1430	1252	1094	948	776	619
-30°	2685	2335	2031	1774	1559	1373	1209	1058	915	758	604
-32.5°	2489	2185	1917	1688	1491	1320	1162	1023	887	740	594
-35°	2310	2042	1806	1598	1420	1259	1116	987	858	719	583
-37.5°	2138	1899	1695	1509	1345	1198	1069	948	833	701	569
-40°	1967	1759	1584	1423	1273	1137	1019	912	808	679	554
-42.5°	1802	1634	1477	1327	1202	1080	976	873	772	658	540
-45°	1663	1509	1370	1248	1130	1023	926	830	737	640	522
-47.5°	1520	1391	1273	1162	1066	966	876	790	701	619	511
-50°	1391	1280	1180	1084	994	912	830	747	665	586	494
-52.5°	1269	1176	1091	1005	930	855	780	708	629	558	476
-55°	1159	1080	1001	933	865	801	730	662	594	529	461
-57.5°	1055	983	923	862	801	744	683	622	561	501	440
-60°	951	901	848	794	740	690	640	583	526	468	418
-62.5°	862	815	769	722	679	637	597	544	490	443	393
-65°	776	737	697	658	622	586	551	504	458	415	368
-67.5°	690	658	626	597	565	536	504	465	426	383	340
-70°	604	579	558	536	511	483	461	429	393	347	308
-72.5°	515	497	490	479	454	433	415	390	347	308	275
-75°	411	411	415	408	393	383	358	329	297	268	240
-77.5°	325	333	336	340	325	311	293	268	247	225	204
-80°	247	258	268	268	258	243	229	215	200	182	165
-82.5°	186	193	200	200	193	186	175	165	154	140	125
-85°	125	129	136	140	132	129	118	111	104	93	86
-87.5°	61	64	68	68	68	64	61	57	50	47	43
-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°	36	29	22	14	7	4	0
85°	75	57	39	25	14	7	0
82.5°	111	82	61	39	25	11	0
80°	147	111	79	54	32	14	0
77.5°	179	136	100	64	39	18	0
75°	207	157	118	79	47	22	0
72.5°	236	179	132	89	54	25	0
70°	265	200	147	104	61	29	0
67.5°	286	218	161	111	68	32	0
65°	304	236	172	118	75	32	0
62.5°	322	250	182	125	82	36	0
60°	343	265	197	132	86	39	0
57.5°	358	275	204	140	89	43	0
55°	372	290	211	147	97	47	0
52.5°	386	300	222	150	100	47	0
50°	397	311	229	154	104	50	0
47.5°	411	318	232	157	107	54	0
45°	422	329	240	161	111	54	0
42.5°	433	336	243	165	111	57	0
40°	443	340	250	172	114	61	0
37.5°	451	347	254	175	118	61	0
35°	454	350	258	179	122	64	0
32.5°	461	358	261	186	122	64	0
30°	472	358	261	190	125	64	0
27.5°	479	361	268	190	125	68	0
25°	483	361	272	193	129	68	0
22.5°	486	365	275	197	129	68	0
20°	490	368	279	200	132	72	0
17.5°	494	376	283	200	132	72	0
15°	501	379	283	200	132	75	0
12.5°	504	379	283	204	132	75	0
10°	508	383	283	204	136	72	0
7.5°	508	383	286	204	136	72	0
5°	508	386	283	204	132	72	0
2.5°	501	386	283	200	132	72	0
0°	497	383	279	200	132	72	0
-2.5°	501	386	283	200	132	72	0
-5°	508	386	283	204	132	72	0
-7.5°	508	383	286	204	136	72	0
-10°	508	383	283	204	136	72	0
-12.5°	504	379	283	204	132	75	0
-15°	501	379	283	200	132	75	0
-17.5°	494	376	283	200	132	72	0
-20°	490	368	279	200	132	72	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	486	365	275	197	129	68	0
-25°	483	361	272	193	129	68	0
-27.5°	479	361	268	190	125	68	0
-30°	472	358	261	190	125	64	0
-32.5°	461	358	261	186	122	64	0
-35°	454	350	258	179	122	64	0
-37.5°	451	347	254	175	118	61	0
-40°	443	340	250	172	114	61	0
-42.5°	433	336	243	165	111	57	0
-45°	422	329	240	161	111	54	0
-47.5°	411	318	232	157	107	54	0
-50°	397	311	229	154	104	50	0
-52.5°	386	300	222	150	100	47	0
-55°	372	290	211	147	97	47	0
-57.5°	358	275	204	140	89	43	0
-60°	343	265	197	132	86	39	0
-62.5°	322	250	182	125	82	36	0
-65°	304	236	172	118	75	32	0
-67.5°	286	218	161	111	68	32	0
-70°	265	200	147	104	61	29	0
-72.5°	236	179	132	89	54	25	0
-75°	207	157	118	79	47	22	0
-77.5°	179	136	100	64	39	18	0
-80°	147	111	79	54	32	14	0
-82.5°	111	82	61	39	25	11	0
-85°	75	57	39	25	14	7	0
-87.5°	36	29	22	14	7	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)