

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: P622227

Luminaire Tested: **IFLD-L-SA8A-740-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622227  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-740-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

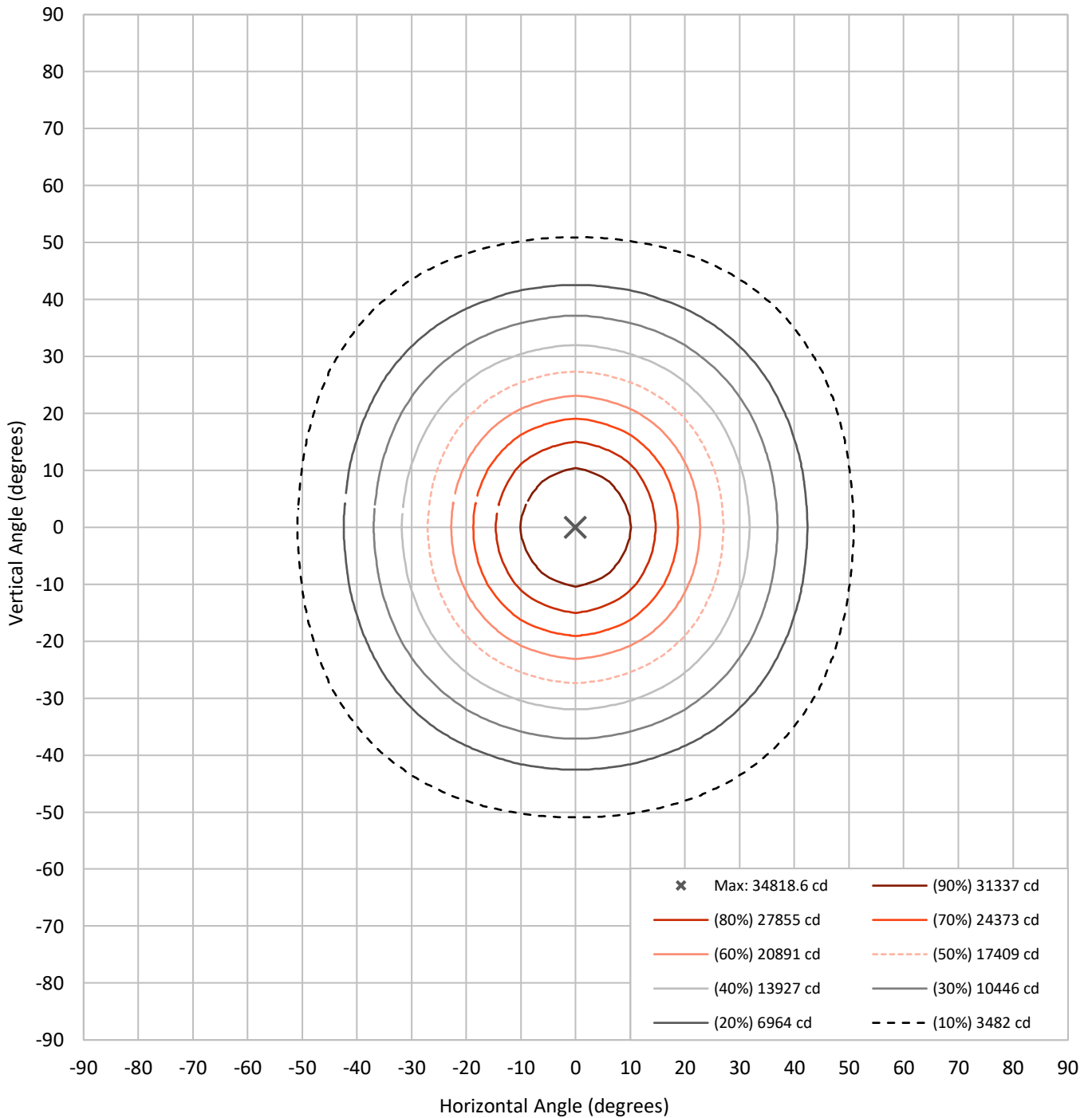
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36112.7 lumens	Max Intensity:	34818.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.7 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:	17363.1 lumens	Field Lumens:	31692.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	247.8		
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





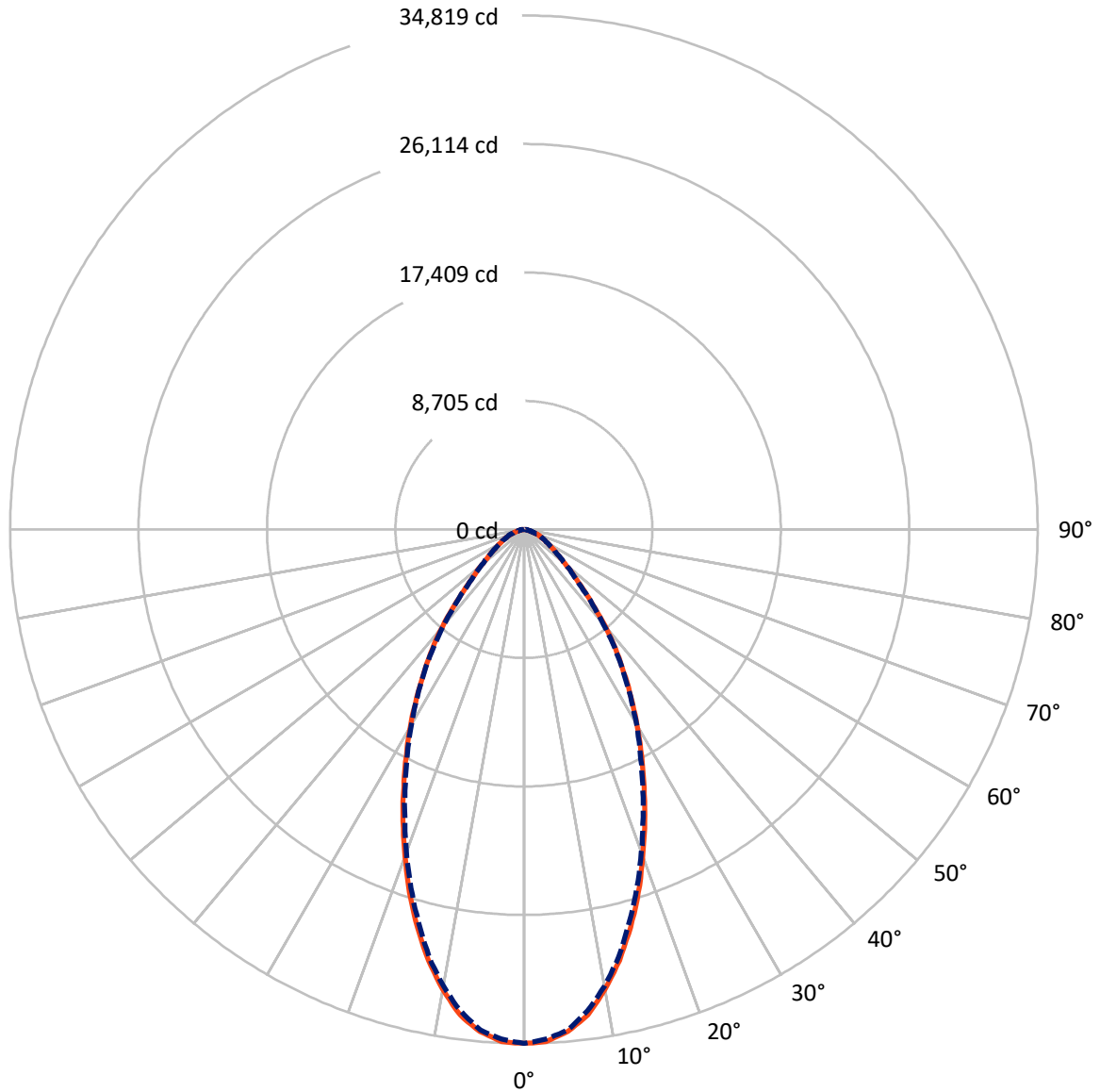
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### Lumen Table

90	2.5	15.5	31.2	47.5	40.8	47.5	31.2	15.5	2.5										
80																			
70	6.4	6.8	12.0	18.3	25.6	32.7	38.2	40.9	40.9	38.2	32.7	25.6	18.3	12.0	6.8	6.4			
60		9.0	17.1	28.1	42.1	57.3	71.0	79.3	79.3	71.0	57.3	42.1	28.1	17.1	9.0				
50	8.5	11.2	22.9	41.3	68.6	105.2	144.8	171.8	171.8	144.8	105.2	68.6	41.3	22.9	11.2	8.5			
40		13.4	29.6	59.5	114.2	201.9	293.7	350.7	350.7	293.7	201.9	114.2	59.5	29.6	13.4				
30	9.9	15.4	36.4	82.5	182.7	329.7	473.6	568.4	568.4	473.6	329.7	182.7	82.5	36.4	15.4	9.9			
20		17.0	42.5	106.1	248.8	444.0	657.5	811.8	811.8	657.5	444.0	248.8	106.1	42.5	17.0				
10	10.3	17.8	46.1	121.7	287.3	515.0	784.2	985.6	985.6	784.2	515.0	287.3	121.7	46.1	17.8	10.3			
0		17.8	46.1	121.7	287.3	515.0	784.2	985.6	985.6	784.2	515.0	287.3	121.7	46.1	17.8				
-10		17.0	42.5	106.1	248.8	444.0	657.5	811.8	811.8	657.5	444.0	248.8	106.1	42.5	17.0				
-20	9.9	15.4	36.4	82.5	182.7	329.7	473.6	568.4	568.4	473.6	329.7	182.7	82.5	36.4	15.4	9.9			
-30		13.4	29.6	59.5	114.2	201.9	293.7	350.7	350.7	293.7	201.9	114.2	59.5	29.6	13.4				
-40	8.5	11.2	22.9	41.3	68.6	105.2	144.8	171.8	171.8	144.8	105.2	68.6	41.3	22.9	11.2	8.5			
-50		9.0	17.1	28.1	42.1	57.3	71.0	79.3	79.3	71.0	57.3	42.1	28.1	17.1	9.0				
-60	6.4	6.8	12.0	18.3	25.6	32.7	38.2	40.9	40.9	38.2	32.7	25.6	18.3	12.0	6.8	6.4			
-70																			
-80	2.5	15.5	31.2	47.5	40.8	47.5	31.2	15.5	2.5										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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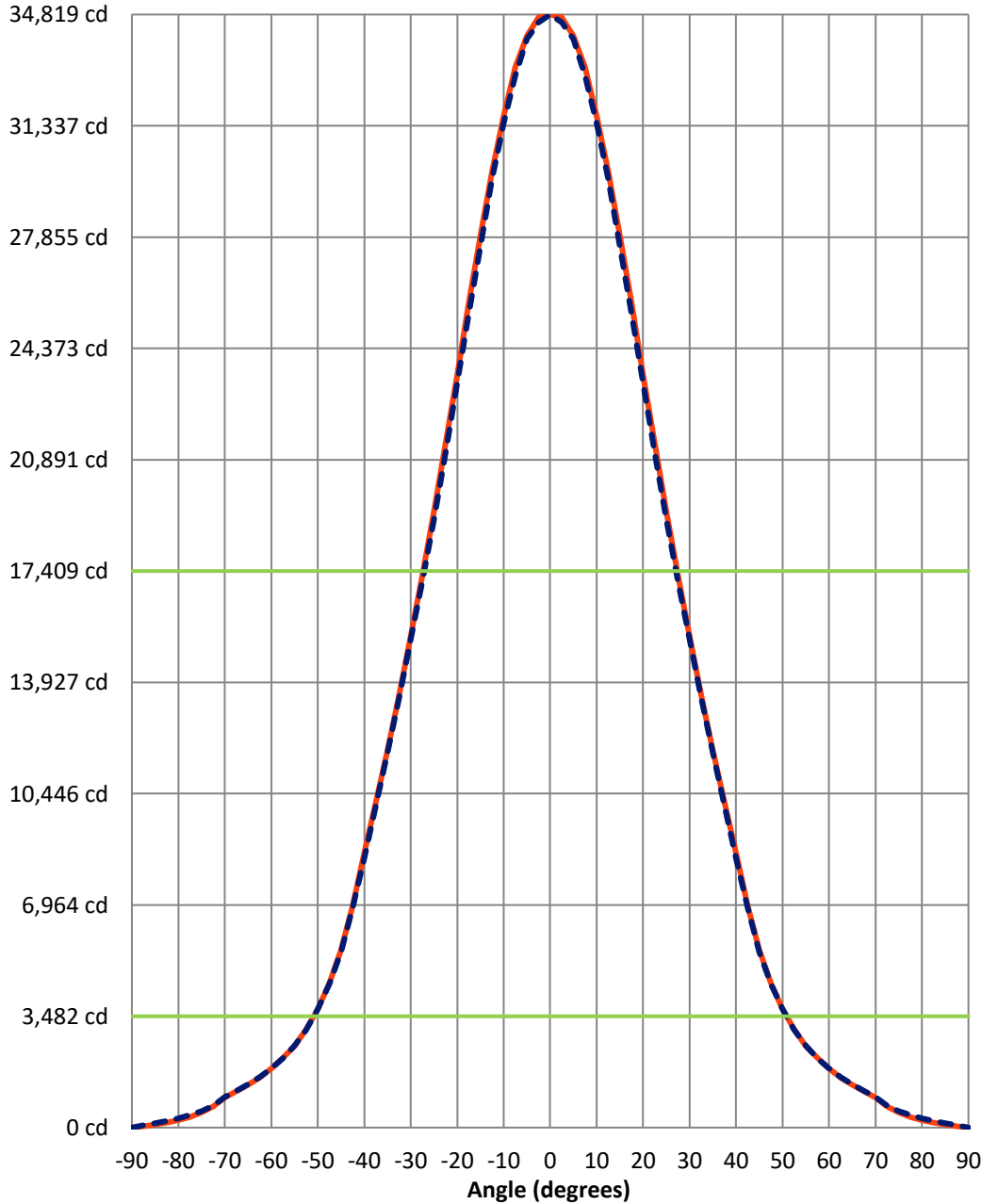
### Luminous Intensity Polar Plot



— 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: 17363.1  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 31692.4  
Efficiency: 87.8%

**Spill:**  
Lumens: 4420.3  
Efficiency: 12.2%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	4	7	15	22	30	37	45	48	52	59
85°	0	7	15	26	41	59	78	89	97	108	115
82.5°	0	11	26	41	63	85	115	130	145	160	171
80°	0	15	33	56	82	115	152	171	189	208	223
77.5°	0	19	41	67	104	141	186	212	234	256	278
75°	0	22	48	82	122	163	215	249	278	308	341
72.5°	0	26	56	93	137	186	245	286	319	360	404
70°	0	30	63	108	152	208	275	319	360	408	445
67.5°	0	33	71	115	167	226	297	353	397	442	482
65°	0	33	78	122	178	245	315	382	430	475	523
62.5°	0	37	85	130	189	260	334	408	460	508	564
60°	0	41	89	137	204	275	356	434	486	545	605
57.5°	0	45	93	145	212	286	371	456	519	583	646
55°	0	48	100	152	219	301	386	479	549	616	686
52.5°	0	48	104	156	230	312	401	493	579	653	735
50°	0	52	108	160	237	323	412	512	608	690	775
47.5°	0	56	111	163	241	330	427	531	642	727	820
45°	0	56	115	167	249	341	438	542	664	764	861
42.5°	0	59	115	171	252	349	449	560	683	801	905
40°	0	63	119	178	260	353	460	575	705	839	946
37.5°	0	63	122	182	263	360	468	590	727	864	983
35°	0	67	126	186	267	364	471	605	746	890	1024
32.5°	0	67	126	193	271	371	479	616	768	920	1061
30°	0	67	130	197	271	371	490	627	787	950	1098
27.5°	0	71	130	197	278	375	497	642	805	983	1135
25°	0	71	134	200	282	375	501	653	827	1013	1169
22.5°	0	71	134	204	286	378	505	664	850	1039	1206
20°	0	74	137	208	289	382	508	675	872	1061	1235
17.5°	0	74	137	208	293	390	512	683	890	1083	1261
15°	0	78	137	208	293	393	519	686	909	1102	1287
12.5°	0	78	137	212	293	393	523	694	928	1120	1306
10°	0	74	141	212	293	397	527	698	939	1132	1325
7.5°	0	74	141	212	297	397	527	698	950	1143	1336
5°	0	74	137	212	293	401	527	701	965	1154	1347
2.5°	0	74	137	208	293	401	519	694	961	1154	1354
0°	0	74	137	208	289	397	516	686	957	1150	1354
-2.5°	0	74	137	208	293	401	519	694	961	1154	1354
-5°	0	74	137	212	293	401	527	701	965	1154	1347
-7.5°	0	74	141	212	297	397	527	698	950	1143	1336
-10°	0	74	141	212	293	397	527	698	939	1132	1325
-12.5°	0	78	137	212	293	393	523	694	928	1120	1306
-15°	0	78	137	208	293	393	519	686	909	1102	1287
-17.5°	0	74	137	208	293	390	512	683	890	1083	1261
-20°	0	74	137	208	289	382	508	675	872	1061	1235



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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	71	134	204	286	378	505	664	850	1039	1206
-25°	0	71	134	200	282	375	501	653	827	1013	1169
-27.5°	0	71	130	197	278	375	497	642	805	983	1135
-30°	0	67	130	197	271	371	490	627	787	950	1098
-32.5°	0	67	126	193	271	371	479	616	768	920	1061
-35°	0	67	126	186	267	364	471	605	746	890	1024
-37.5°	0	63	122	182	263	360	468	590	727	864	983
-40°	0	63	119	178	260	353	460	575	705	839	946
-42.5°	0	59	115	171	252	349	449	560	683	801	905
-45°	0	56	115	167	249	341	438	542	664	764	861
-47.5°	0	56	111	163	241	330	427	531	642	727	820
-50°	0	52	108	160	237	323	412	512	608	690	775
-52.5°	0	48	104	156	230	312	401	493	579	653	735
-55°	0	48	100	152	219	301	386	479	549	616	686
-57.5°	0	45	93	145	212	286	371	456	519	583	646
-60°	0	41	89	137	204	275	356	434	486	545	605
-62.5°	0	37	85	130	189	260	334	408	460	508	564
-65°	0	33	78	122	178	245	315	382	430	475	523
-67.5°	0	33	71	115	167	226	297	353	397	442	482
-70°	0	30	63	108	152	208	275	319	360	408	445
-72.5°	0	26	56	93	137	186	245	286	319	360	404
-75°	0	22	48	82	122	163	215	249	278	308	341
-77.5°	0	19	41	67	104	141	186	212	234	256	278
-80°	0	15	33	56	82	115	152	171	189	208	223
-82.5°	0	11	26	41	63	85	115	130	145	160	171
-85°	0	7	15	26	41	59	78	89	97	108	115
-87.5°	0	4	7	15	22	30	37	45	48	52	59
-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°	63	67	71	71	71	67	63	59	67	74	82
85°	122	134	137	145	141	134	130	122	137	152	171
82.5°	182	193	200	208	208	200	193	182	204	226	252
80°	237	252	267	278	278	267	256	241	267	301	334
77.5°	304	323	338	353	349	345	338	330	356	390	423
75°	371	397	408	423	430	427	427	434	464	505	542
72.5°	430	449	471	497	508	516	534	557	586	620	649
70°	479	501	531	557	579	601	627	657	686	720	749
67.5°	523	557	586	620	649	683	716	749	783	820	857
65°	571	608	646	683	724	764	805	842	883	931	972
62.5°	620	660	705	749	798	846	894	942	998	1050	1102
60°	664	716	768	824	879	935	987	1050	1117	1176	1243
57.5°	709	772	831	894	957	1020	1095	1165	1243	1321	1395
55°	757	831	898	968	1039	1120	1202	1291	1376	1477	1569
52.5°	809	887	965	1043	1132	1221	1317	1421	1532	1647	1762
50°	861	946	1031	1124	1224	1328	1443	1566	1699	1833	1974
47.5°	909	1002	1106	1206	1321	1443	1577	1725	1874	2041	2219
45°	961	1061	1172	1295	1421	1566	1725	1888	2078	2267	2475
42.5°	1013	1120	1247	1376	1532	1696	1870	2078	2289	2523	2775
40°	1057	1180	1321	1477	1644	1825	2041	2267	2527	2805	3116
37.5°	1109	1243	1395	1566	1759	1970	2219	2482	2783	3120	3495
35°	1158	1306	1473	1658	1874	2118	2397	2705	3053	3462	3918
32.5°	1206	1369	1547	1751	1989	2267	2582	2946	3358	3825	4396
30°	1254	1425	1618	1840	2107	2423	2786	3191	3666	4255	4934
27.5°	1299	1484	1692	1937	2222	2567	2979	3462	4022	4686	5480
25°	1343	1536	1762	2026	2345	2723	3172	3703	4374	5161	6103
22.5°	1384	1588	1825	2111	2456	2875	3380	3985	4723	5598	6708
20°	1425	1640	1892	2193	2553	3013	3569	4244	5083	6114	7346
17.5°	1458	1688	1955	2278	2671	3154	3743	4504	5409	6589	7962
15°	1491	1729	2011	2352	2775	3295	3933	4730	5754	7038	8496
12.5°	1517	1762	2059	2419	2864	3413	4096	4960	6088	7461	8960
10°	1536	1792	2096	2471	2938	3510	4229	5146	6359	7806	9346
7.5°	1555	1814	2126	2512	2994	3584	4333	5291	6567	8073	9642
5°	1569	1833	2148	2541	3031	3640	4411	5383	6715	8262	9854
2.5°	1581	1848	2167	2567	3061	3699	4482	5483	6856	8422	10043
0°	1581	1851	2167	2567	3057	3710	4493	5491	6875	8418	10069
-2.5°	1581	1848	2167	2567	3061	3699	4482	5483	6856	8422	10043
-5°	1569	1833	2148	2541	3031	3640	4411	5383	6715	8262	9854
-7.5°	1555	1814	2126	2512	2994	3584	4333	5291	6567	8073	9642
-10°	1536	1792	2096	2471	2938	3510	4229	5146	6359	7806	9346
-12.5°	1517	1762	2059	2419	2864	3413	4096	4960	6088	7461	8960
-15°	1491	1729	2011	2352	2775	3295	3933	4730	5754	7038	8496
-17.5°	1458	1688	1955	2278	2671	3154	3743	4504	5409	6589	7962
-20°	1425	1640	1892	2193	2553	3013	3569	4244	5083	6114	7346



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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°	1384	1588	1825	2111	2456	2875	3380	3985	4723	5598	6708
-25°	1343	1536	1762	2026	2345	2723	3172	3703	4374	5161	6103
-27.5°	1299	1484	1692	1937	2222	2567	2979	3462	4022	4686	5480
-30°	1254	1425	1618	1840	2107	2423	2786	3191	3666	4255	4934
-32.5°	1206	1369	1547	1751	1989	2267	2582	2946	3358	3825	4396
-35°	1158	1306	1473	1658	1874	2118	2397	2705	3053	3462	3918
-37.5°	1109	1243	1395	1566	1759	1970	2219	2482	2783	3120	3495
-40°	1057	1180	1321	1477	1644	1825	2041	2267	2527	2805	3116
-42.5°	1013	1120	1247	1376	1532	1696	1870	2078	2289	2523	2775
-45°	961	1061	1172	1295	1421	1566	1725	1888	2078	2267	2475
-47.5°	909	1002	1106	1206	1321	1443	1577	1725	1874	2041	2219
-50°	861	946	1031	1124	1224	1328	1443	1566	1699	1833	1974
-52.5°	809	887	965	1043	1132	1221	1317	1421	1532	1647	1762
-55°	757	831	898	968	1039	1120	1202	1291	1376	1477	1569
-57.5°	709	772	831	894	957	1020	1095	1165	1243	1321	1395
-60°	664	716	768	824	879	935	987	1050	1117	1176	1243
-62.5°	620	660	705	749	798	846	894	942	998	1050	1102
-65°	571	608	646	683	724	764	805	842	883	931	972
-67.5°	523	557	586	620	649	683	716	749	783	820	857
-70°	479	501	531	557	579	601	627	657	686	720	749
-72.5°	430	449	471	497	508	516	534	557	586	620	649
-75°	371	397	408	423	430	427	427	434	464	505	542
-77.5°	304	323	338	353	349	345	338	330	356	390	423
-80°	237	252	267	278	278	267	256	241	267	301	334
-82.5°	182	193	200	208	208	200	193	182	204	226	252
-85°	122	134	137	145	141	134	130	122	137	152	171
-87.5°	63	67	71	71	71	67	63	59	67	74	82
-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°	93	93	93	93	89	93	93	97	100	89	78
85°	186	189	189	189	189	189	189	189	189	171	152
82.5°	278	289	297	308	315	315	312	308	301	271	237
80°	367	386	397	408	419	416	412	404	401	364	327
77.5°	456	479	493	505	516	519	516	516	512	479	438
75°	571	590	605	620	634	642	646	646	646	616	579
72.5°	675	698	720	742	761	772	783	790	798	783	761
70°	783	809	835	861	887	905	920	935	942	946	946
67.5°	894	928	961	994	1024	1050	1069	1087	1102	1117	1124
65°	1017	1061	1102	1139	1172	1206	1232	1258	1280	1299	1310
62.5°	1154	1206	1254	1302	1339	1380	1421	1458	1488	1514	1532
60°	1306	1369	1428	1488	1547	1595	1647	1692	1729	1762	1792
57.5°	1477	1555	1629	1707	1773	1837	1900	1963	2018	2063	2100
55°	1666	1762	1859	1952	2044	2130	2211	2293	2367	2426	2478
52.5°	1885	2000	2122	2237	2363	2475	2579	2690	2790	2879	2953
50°	2118	2267	2426	2575	2738	2894	3035	3176	3317	3439	3539
47.5°	2393	2571	2779	2983	3183	3395	3591	3777	3970	4133	4270
45°	2690	2938	3183	3458	3710	3996	4267	4537	4775	5012	5213
42.5°	3042	3354	3666	4018	4363	4723	5105	5446	5803	6151	6441
40°	3462	3829	4259	4682	5161	5613	6155	6634	7086	7528	7902
37.5°	3922	4408	4938	5476	6125	6763	7398	7999	8537	9030	9424
35°	4452	5064	5695	6478	7249	8029	8756	9438	10051	10551	10967
32.5°	5061	5784	6656	7565	8459	9323	10192	10867	11505	12076	12566
30°	5706	6648	7665	8682	9657	10596	11471	12284	13026	13668	14217
27.5°	6463	7554	8685	9776	10822	11835	12829	13757	14569	15245	15927
25°	7212	8463	9672	10826	11957	13089	14183	15226	16176	17003	17741
22.5°	8003	9309	10585	11809	13093	14324	15523	16710	17801	18754	19585
20°	8733	10136	11438	12803	14195	15530	16877	18161	19378	20528	21474
17.5°	9386	10815	12236	13675	15193	16706	18168	19559	20947	22286	23466
15°	9969	11468	12926	14495	16131	17760	19389	20921	22483	23967	25288
12.5°	10485	12032	13582	15252	16962	18658	20442	22223	23956	25555	26987
10°	10911	12518	14180	15909	17686	19478	21400	23377	25232	26931	28489
7.5°	11234	12885	14621	16417	18290	20209	22216	24230	26193	28018	29651
5°	11464	13130	14914	16747	18699	20702	22843	24991	26994	28883	30552
2.5°	11672	13349	15167	16929	18917	20995	23140	25366	27413	29354	31213
0°	11727	13438	15274	17085	19018	21103	23288	25462	27562	29669	31417
-2.5°	11672	13349	15167	16929	18917	20995	23140	25366	27413	29354	31213
-5°	11464	13130	14914	16747	18699	20702	22843	24991	26994	28883	30552
-7.5°	11234	12885	14621	16417	18290	20209	22216	24230	26193	28018	29651
-10°	10911	12518	14180	15909	17686	19478	21400	23377	25232	26931	28489
-12.5°	10485	12032	13582	15252	16962	18658	20442	22223	23956	25555	26987
-15°	9969	11468	12926	14495	16131	17760	19389	20921	22483	23967	25288
-17.5°	9386	10815	12236	13675	15193	16706	18168	19559	20947	22286	23466
-20°	8733	10136	11438	12803	14195	15530	16877	18161	19378	20528	21474



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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°	8003	9309	10585	11809	13093	14324	15523	16710	17801	18754	19585
-25°	7212	8463	9672	10826	11957	13089	14183	15226	16176	17003	17741
-27.5°	6463	7554	8685	9776	10822	11835	12829	13757	14569	15245	15927
-30°	5706	6648	7665	8682	9657	10596	11471	12284	13026	13668	14217
-32.5°	5061	5784	6656	7565	8459	9323	10192	10867	11505	12076	12566
-35°	4452	5064	5695	6478	7249	8029	8756	9438	10051	10551	10967
-37.5°	3922	4408	4938	5476	6125	6763	7398	7999	8537	9030	9424
-40°	3462	3829	4259	4682	5161	5613	6155	6634	7086	7528	7902
-42.5°	3042	3354	3666	4018	4363	4723	5105	5446	5803	6151	6441
-45°	2690	2938	3183	3458	3710	3996	4267	4537	4775	5012	5213
-47.5°	2393	2571	2779	2983	3183	3395	3591	3777	3970	4133	4270
-50°	2118	2267	2426	2575	2738	2894	3035	3176	3317	3439	3539
-52.5°	1885	2000	2122	2237	2363	2475	2579	2690	2790	2879	2953
-55°	1666	1762	1859	1952	2044	2130	2211	2293	2367	2426	2478
-57.5°	1477	1555	1629	1707	1773	1837	1900	1963	2018	2063	2100
-60°	1306	1369	1428	1488	1547	1595	1647	1692	1729	1762	1792
-62.5°	1154	1206	1254	1302	1339	1380	1421	1458	1488	1514	1532
-65°	1017	1061	1102	1139	1172	1206	1232	1258	1280	1299	1310
-67.5°	894	928	961	994	1024	1050	1069	1087	1102	1117	1124
-70°	783	809	835	861	887	905	920	935	942	946	946
-72.5°	675	698	720	742	761	772	783	790	798	783	761
-75°	571	590	605	620	634	642	646	646	646	616	579
-77.5°	456	479	493	505	516	519	516	516	512	479	438
-80°	367	386	397	408	419	416	412	404	401	364	327
-82.5°	278	289	297	308	315	315	312	308	301	271	237
-85°	186	189	189	189	189	189	189	189	189	171	152
-87.5°	93	93	93	93	89	93	93	97	100	89	78
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA8A-740-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°	63	52	48	41	48	52	63	78	89	100	97
85°	130	108	104	97	104	108	130	152	171	189	189
82.5°	208	171	163	156	163	171	208	237	271	301	308
80°	293	249	241	234	241	249	293	327	364	401	404
77.5°	397	356	341	330	341	356	397	438	479	512	516
75°	538	497	486	475	486	497	538	579	616	646	646
72.5°	735	716	686	660	686	716	735	761	783	798	790
70°	950	957	950	939	950	957	950	946	946	942	935
67.5°	1128	1135	1135	1139	1135	1135	1128	1124	1117	1102	1087
65°	1321	1325	1336	1339	1336	1325	1321	1310	1299	1280	1258
62.5°	1543	1555	1562	1562	1562	1555	1543	1532	1514	1488	1458
60°	1811	1825	1844	1848	1844	1825	1811	1792	1762	1729	1692
57.5°	2130	2148	2174	2182	2174	2148	2130	2100	2063	2018	1963
55°	2515	2541	2556	2549	2556	2541	2515	2478	2426	2367	2293
52.5°	3016	3061	3091	3076	3091	3061	3016	2953	2879	2790	2690
50°	3621	3677	3714	3703	3714	3677	3621	3539	3439	3317	3176
47.5°	4378	4456	4519	4523	4519	4456	4378	4270	4133	3970	3777
45°	5372	5487	5573	5558	5573	5487	5372	5213	5012	4775	4537
42.5°	6663	6823	6949	6938	6949	6823	6663	6441	6151	5803	5446
40°	8181	8377	8544	8589	8544	8377	8181	7902	7528	7086	6634
37.5°	9743	9995	10206	10184	10206	9995	9743	9424	9030	8537	7999
35°	11312	11575	11783	11802	11783	11575	11312	10967	10551	10051	9438
32.5°	12955	13249	13493	13527	13493	13249	12955	12566	12076	11505	10867
30°	14670	15022	15315	15374	15315	15022	14670	14217	13668	13026	12284
27.5°	16473	16892	17170	17278	17170	16892	16473	15927	15245	14569	13757
25°	18331	18788	19099	19274	19099	18788	18331	17741	17003	16176	15226
22.5°	20272	20813	21218	21411	21218	20813	20272	19585	18754	17801	16710
20°	22275	22865	23336	23536	23336	22865	22275	21474	20528	19378	18161
17.5°	24316	25035	25558	25814	25558	25035	24316	23466	22286	20947	19559
15°	26297	27061	27629	27903	27629	27061	26297	25288	23967	22483	20921
12.5°	28133	28942	29510	29907	29510	28942	28133	26987	25555	23956	22223
10°	29773	30656	31231	31643	31231	30656	29773	28489	26931	25232	23377
7.5°	31001	32118	32767	33171	32767	32118	31001	29651	28018	26193	24230
5°	31943	33175	33765	34147	33765	33175	31943	30552	28883	26994	24991
2.5°	32633	33605	34344	34726	34344	33605	32633	31213	29354	27413	25366
0°	32904	34047	34570	34819	34570	34047	32904	31417	29669	27562	25462
-2.5°	32633	33605	34344	34726	34344	33605	32633	31213	29354	27413	25366
-5°	31943	33175	33765	34147	33765	33175	31943	30552	28883	26994	24991
-7.5°	31001	32118	32767	33171	32767	32118	31001	29651	28018	26193	24230
-10°	29773	30656	31231	31643	31231	30656	29773	28489	26931	25232	23377
-12.5°	28133	28942	29510	29907	29510	28942	28133	26987	25555	23956	22223
-15°	26297	27061	27629	27903	27629	27061	26297	25288	23967	22483	20921
-17.5°	24316	25035	25558	25814	25558	25035	24316	23466	22286	20947	19559
-20°	22275	22865	23336	23536	23336	22865	22275	21474	20528	19378	18161



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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°	20272	20813	21218	21411	21218	20813	20272	19585	18754	17801	16710
-25°	18331	18788	19099	19274	19099	18788	18331	17741	17003	16176	15226
-27.5°	16473	16892	17170	17278	17170	16892	16473	15927	15245	14569	13757
-30°	14670	15022	15315	15374	15315	15022	14670	14217	13668	13026	12284
-32.5°	12955	13249	13493	13527	13493	13249	12955	12566	12076	11505	10867
-35°	11312	11575	11783	11802	11783	11575	11312	10967	10551	10051	9438
-37.5°	9743	9995	10206	10184	10206	9995	9743	9424	9030	8537	7999
-40°	8181	8377	8544	8589	8544	8377	8181	7902	7528	7086	6634
-42.5°	6663	6823	6949	6938	6949	6823	6663	6441	6151	5803	5446
-45°	5372	5487	5573	5558	5573	5487	5372	5213	5012	4775	4537
-47.5°	4378	4456	4519	4523	4519	4456	4378	4270	4133	3970	3777
-50°	3621	3677	3714	3703	3714	3677	3621	3539	3439	3317	3176
-52.5°	3016	3061	3091	3076	3091	3061	3016	2953	2879	2790	2690
-55°	2515	2541	2556	2549	2556	2541	2515	2478	2426	2367	2293
-57.5°	2130	2148	2174	2182	2174	2148	2130	2100	2063	2018	1963
-60°	1811	1825	1844	1848	1844	1825	1811	1792	1762	1729	1692
-62.5°	1543	1555	1562	1562	1562	1555	1543	1532	1514	1488	1458
-65°	1321	1325	1336	1339	1336	1325	1321	1310	1299	1280	1258
-67.5°	1128	1135	1135	1139	1135	1135	1128	1124	1117	1102	1087
-70°	950	957	950	939	950	957	950	946	946	942	935
-72.5°	735	716	686	660	686	716	735	761	783	798	790
-75°	538	497	486	475	486	497	538	579	616	646	646
-77.5°	397	356	341	330	341	356	397	438	479	512	516
-80°	293	249	241	234	241	249	293	327	364	401	404
-82.5°	208	171	163	156	163	171	208	237	271	301	308
-85°	130	108	104	97	104	108	130	152	171	189	189
-87.5°	63	52	48	41	48	52	63	78	89	100	97
-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°	93	93	89	93	93	93	93	82	74	67	59
85°	189	189	189	189	189	189	186	171	152	137	122
82.5°	312	315	315	308	297	289	278	252	226	204	182
80°	412	416	419	408	397	386	367	334	301	267	241
77.5°	516	519	516	505	493	479	456	423	390	356	330
75°	646	642	634	620	605	590	571	542	505	464	434
72.5°	783	772	761	742	720	698	675	649	620	586	557
70°	920	905	887	861	835	809	783	749	720	686	657
67.5°	1069	1050	1024	994	961	928	894	857	820	783	749
65°	1232	1206	1172	1139	1102	1061	1017	972	931	883	842
62.5°	1421	1380	1339	1302	1254	1206	1154	1102	1050	998	942
60°	1647	1595	1547	1488	1428	1369	1306	1243	1176	1117	1050
57.5°	1900	1837	1773	1707	1629	1555	1477	1395	1321	1243	1165
55°	2211	2130	2044	1952	1859	1762	1666	1569	1477	1376	1291
52.5°	2579	2475	2363	2237	2122	2000	1885	1762	1647	1532	1421
50°	3035	2894	2738	2575	2426	2267	2118	1974	1833	1699	1566
47.5°	3591	3395	3183	2983	2779	2571	2393	2219	2041	1874	1725
45°	4267	3996	3710	3458	3183	2938	2690	2475	2267	2078	1888
42.5°	5105	4723	4363	4018	3666	3354	3042	2775	2523	2289	2078
40°	6155	5613	5161	4682	4259	3829	3462	3116	2805	2527	2267
37.5°	7398	6763	6125	5476	4938	4408	3922	3495	3120	2783	2482
35°	8756	8029	7249	6478	5695	5064	4452	3918	3462	3053	2705
32.5°	10192	9323	8459	7565	6656	5784	5061	4396	3825	3358	2946
30°	11471	10596	9657	8682	7665	6648	5706	4934	4255	3666	3191
27.5°	12829	11835	10822	9776	8685	7554	6463	5480	4686	4022	3462
25°	14183	13089	11957	10826	9672	8463	7212	6103	5161	4374	3703
22.5°	15523	14324	13093	11809	10585	9309	8003	6708	5598	4723	3985
20°	16877	15530	14195	12803	11438	10136	8733	7346	6114	5083	4244
17.5°	18168	16706	15193	13675	12236	10815	9386	7962	6589	5409	4504
15°	19389	17760	16131	14495	12926	11468	9969	8496	7038	5754	4730
12.5°	20442	18658	16962	15252	13582	12032	10485	8960	7461	6088	4960
10°	21400	19478	17686	15909	14180	12518	10911	9346	7806	6359	5146
7.5°	22216	20209	18290	16417	14621	12885	11234	9642	8073	6567	5291
5°	22843	20702	18699	16747	14914	13130	11464	9854	8262	6715	5383
2.5°	23140	20995	18917	16929	15167	13349	11672	10043	8422	6856	5483
0°	23288	21103	19018	17085	15274	13438	11727	10069	8418	6875	5491
-2.5°	23140	20995	18917	16929	15167	13349	11672	10043	8422	6856	5483
-5°	22843	20702	18699	16747	14914	13130	11464	9854	8262	6715	5383
-7.5°	22216	20209	18290	16417	14621	12885	11234	9642	8073	6567	5291
-10°	21400	19478	17686	15909	14180	12518	10911	9346	7806	6359	5146
-12.5°	20442	18658	16962	15252	13582	12032	10485	8960	7461	6088	4960
-15°	19389	17760	16131	14495	12926	11468	9969	8496	7038	5754	4730
-17.5°	18168	16706	15193	13675	12236	10815	9386	7962	6589	5409	4504
-20°	16877	15530	14195	12803	11438	10136	8733	7346	6114	5083	4244





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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°	15523	14324	13093	11809	10585	9309	8003	6708	5598	4723	3985
-25°	14183	13089	11957	10826	9672	8463	7212	6103	5161	4374	3703
-27.5°	12829	11835	10822	9776	8685	7554	6463	5480	4686	4022	3462
-30°	11471	10596	9657	8682	7665	6648	5706	4934	4255	3666	3191
-32.5°	10192	9323	8459	7565	6656	5784	5061	4396	3825	3358	2946
-35°	8756	8029	7249	6478	5695	5064	4452	3918	3462	3053	2705
-37.5°	7398	6763	6125	5476	4938	4408	3922	3495	3120	2783	2482
-40°	6155	5613	5161	4682	4259	3829	3462	3116	2805	2527	2267
-42.5°	5105	4723	4363	4018	3666	3354	3042	2775	2523	2289	2078
-45°	4267	3996	3710	3458	3183	2938	2690	2475	2267	2078	1888
-47.5°	3591	3395	3183	2983	2779	2571	2393	2219	2041	1874	1725
-50°	3035	2894	2738	2575	2426	2267	2118	1974	1833	1699	1566
-52.5°	2579	2475	2363	2237	2122	2000	1885	1762	1647	1532	1421
-55°	2211	2130	2044	1952	1859	1762	1666	1569	1477	1376	1291
-57.5°	1900	1837	1773	1707	1629	1555	1477	1395	1321	1243	1165
-60°	1647	1595	1547	1488	1428	1369	1306	1243	1176	1117	1050
-62.5°	1421	1380	1339	1302	1254	1206	1154	1102	1050	998	942
-65°	1232	1206	1172	1139	1102	1061	1017	972	931	883	842
-67.5°	1069	1050	1024	994	961	928	894	857	820	783	749
-70°	920	905	887	861	835	809	783	749	720	686	657
-72.5°	783	772	761	742	720	698	675	649	620	586	557
-75°	646	642	634	620	605	590	571	542	505	464	434
-77.5°	516	519	516	505	493	479	456	423	390	356	330
-80°	412	416	419	408	397	386	367	334	301	267	241
-82.5°	312	315	315	308	297	289	278	252	226	204	182
-85°	189	189	189	189	189	189	186	171	152	137	122
-87.5°	93	93	89	93	93	93	93	82	74	67	59
-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°	63	67	71	71	71	67	63	59	52	48	45
85°	130	134	141	145	137	134	122	115	108	97	89
82.5°	193	200	208	208	200	193	182	171	160	145	130
80°	256	267	278	278	267	252	237	223	208	189	171
77.5°	338	345	349	353	338	323	304	278	256	234	212
75°	427	427	430	423	408	397	371	341	308	278	249
72.5°	534	516	508	497	471	449	430	404	360	319	286
70°	627	601	579	557	531	501	479	445	408	360	319
67.5°	716	683	649	620	586	557	523	482	442	397	353
65°	805	764	724	683	646	608	571	523	475	430	382
62.5°	894	846	798	749	705	660	620	564	508	460	408
60°	987	935	879	824	768	716	664	605	545	486	434
57.5°	1095	1020	957	894	831	772	709	646	583	519	456
55°	1202	1120	1039	968	898	831	757	686	616	549	479
52.5°	1317	1221	1132	1043	965	887	809	735	653	579	493
50°	1443	1328	1224	1124	1031	946	861	775	690	608	512
47.5°	1577	1443	1321	1206	1106	1002	909	820	727	642	531
45°	1725	1566	1421	1295	1172	1061	961	861	764	664	542
42.5°	1870	1696	1532	1376	1247	1120	1013	905	801	683	560
40°	2041	1825	1644	1477	1321	1180	1057	946	839	705	575
37.5°	2219	1970	1759	1566	1395	1243	1109	983	864	727	590
35°	2397	2118	1874	1658	1473	1306	1158	1024	890	746	605
32.5°	2582	2267	1989	1751	1547	1369	1206	1061	920	768	616
30°	2786	2423	2107	1840	1618	1425	1254	1098	950	787	627
27.5°	2979	2567	2222	1937	1692	1484	1299	1135	983	805	642
25°	3172	2723	2345	2026	1762	1536	1343	1169	1013	827	653
22.5°	3380	2875	2456	2111	1825	1588	1384	1206	1039	850	664
20°	3569	3013	2553	2193	1892	1640	1425	1235	1061	872	675
17.5°	3743	3154	2671	2278	1955	1688	1458	1261	1083	890	683
15°	3933	3295	2775	2352	2011	1729	1491	1287	1102	909	686
12.5°	4096	3413	2864	2419	2059	1762	1517	1306	1120	928	694
10°	4229	3510	2938	2471	2096	1792	1536	1325	1132	939	698
7.5°	4333	3584	2994	2512	2126	1814	1555	1336	1143	950	698
5°	4411	3640	3031	2541	2148	1833	1569	1347	1154	965	701
2.5°	4482	3699	3061	2567	2167	1848	1581	1354	1154	961	694
0°	4493	3710	3057	2567	2167	1851	1581	1354	1150	957	686
-2.5°	4482	3699	3061	2567	2167	1848	1581	1354	1154	961	694
-5°	4411	3640	3031	2541	2148	1833	1569	1347	1154	965	701
-7.5°	4333	3584	2994	2512	2126	1814	1555	1336	1143	950	698
-10°	4229	3510	2938	2471	2096	1792	1536	1325	1132	939	698
-12.5°	4096	3413	2864	2419	2059	1762	1517	1306	1120	928	694
-15°	3933	3295	2775	2352	2011	1729	1491	1287	1102	909	686
-17.5°	3743	3154	2671	2278	1955	1688	1458	1261	1083	890	683
-20°	3569	3013	2553	2193	1892	1640	1425	1235	1061	872	675



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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°	3380	2875	2456	2111	1825	1588	1384	1206	1039	850	664
-25°	3172	2723	2345	2026	1762	1536	1343	1169	1013	827	653
-27.5°	2979	2567	2222	1937	1692	1484	1299	1135	983	805	642
-30°	2786	2423	2107	1840	1618	1425	1254	1098	950	787	627
-32.5°	2582	2267	1989	1751	1547	1369	1206	1061	920	768	616
-35°	2397	2118	1874	1658	1473	1306	1158	1024	890	746	605
-37.5°	2219	1970	1759	1566	1395	1243	1109	983	864	727	590
-40°	2041	1825	1644	1477	1321	1180	1057	946	839	705	575
-42.5°	1870	1696	1532	1376	1247	1120	1013	905	801	683	560
-45°	1725	1566	1421	1295	1172	1061	961	861	764	664	542
-47.5°	1577	1443	1321	1206	1106	1002	909	820	727	642	531
-50°	1443	1328	1224	1124	1031	946	861	775	690	608	512
-52.5°	1317	1221	1132	1043	965	887	809	735	653	579	493
-55°	1202	1120	1039	968	898	831	757	686	616	549	479
-57.5°	1095	1020	957	894	831	772	709	646	583	519	456
-60°	987	935	879	824	768	716	664	605	545	486	434
-62.5°	894	846	798	749	705	660	620	564	508	460	408
-65°	805	764	724	683	646	608	571	523	475	430	382
-67.5°	716	683	649	620	586	557	523	482	442	397	353
-70°	627	601	579	557	531	501	479	445	408	360	319
-72.5°	534	516	508	497	471	449	430	404	360	319	286
-75°	427	427	430	423	408	397	371	341	308	278	249
-77.5°	338	345	349	353	338	323	304	278	256	234	212
-80°	256	267	278	278	267	252	237	223	208	189	171
-82.5°	193	200	208	208	200	193	182	171	160	145	130
-85°	130	134	141	145	137	134	122	115	108	97	89
-87.5°	63	67	71	71	71	67	63	59	52	48	45
-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°	37	30	22	15	7	4	0
85°	78	59	41	26	15	7	0
82.5°	115	85	63	41	26	11	0
80°	152	115	82	56	33	15	0
77.5°	186	141	104	67	41	19	0
75°	215	163	122	82	48	22	0
72.5°	245	186	137	93	56	26	0
70°	275	208	152	108	63	30	0
67.5°	297	226	167	115	71	33	0
65°	315	245	178	122	78	33	0
62.5°	334	260	189	130	85	37	0
60°	356	275	204	137	89	41	0
57.5°	371	286	212	145	93	45	0
55°	386	301	219	152	100	48	0
52.5°	401	312	230	156	104	48	0
50°	412	323	237	160	108	52	0
47.5°	427	330	241	163	111	56	0
45°	438	341	249	167	115	56	0
42.5°	449	349	252	171	115	59	0
40°	460	353	260	178	119	63	0
37.5°	468	360	263	182	122	63	0
35°	471	364	267	186	126	67	0
32.5°	479	371	271	193	126	67	0
30°	490	371	271	197	130	67	0
27.5°	497	375	278	197	130	71	0
25°	501	375	282	200	134	71	0
22.5°	505	378	286	204	134	71	0
20°	508	382	289	208	137	74	0
17.5°	512	390	293	208	137	74	0
15°	519	393	293	208	137	78	0
12.5°	523	393	293	212	137	78	0
10°	527	397	293	212	141	74	0
7.5°	527	397	297	212	141	74	0
5°	527	401	293	212	137	74	0
2.5°	519	401	293	208	137	74	0
0°	516	397	289	208	137	74	0
-2.5°	519	401	293	208	137	74	0
-5°	527	401	293	212	137	74	0
-7.5°	527	397	297	212	141	74	0
-10°	527	397	293	212	141	74	0
-12.5°	523	393	293	212	137	78	0
-15°	519	393	293	208	137	78	0
-17.5°	512	390	293	208	137	74	0
-20°	508	382	289	208	137	74	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	505	378	286	204	134	71	0
-25°	501	375	282	200	134	71	0
-27.5°	497	375	278	197	130	71	0
-30°	490	371	271	197	130	67	0
-32.5°	479	371	271	193	126	67	0
-35°	471	364	267	186	126	67	0
-37.5°	468	360	263	182	122	63	0
-40°	460	353	260	178	119	63	0
-42.5°	449	349	252	171	115	59	0
-45°	438	341	249	167	115	56	0
-47.5°	427	330	241	163	111	56	0
-50°	412	323	237	160	108	52	0
-52.5°	401	312	230	156	104	48	0
-55°	386	301	219	152	100	48	0
-57.5°	371	286	212	145	93	45	0
-60°	356	275	204	137	89	41	0
-62.5°	334	260	189	130	85	37	0
-65°	315	245	178	122	78	33	0
-67.5°	297	226	167	115	71	33	0
-70°	275	208	152	108	63	30	0
-72.5°	245	186	137	93	56	26	0
-75°	215	163	122	82	48	22	0
-77.5°	186	141	104	67	41	19	0
-80°	152	115	82	56	33	15	0
-82.5°	115	85	63	41	26	11	0
-85°	78	59	41	26	15	7	0
-87.5°	37	30	22	15	7	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)