

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: P622223

Luminaire Tested: **IFLD-L-SA7B-740-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622223  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-740-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (112) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

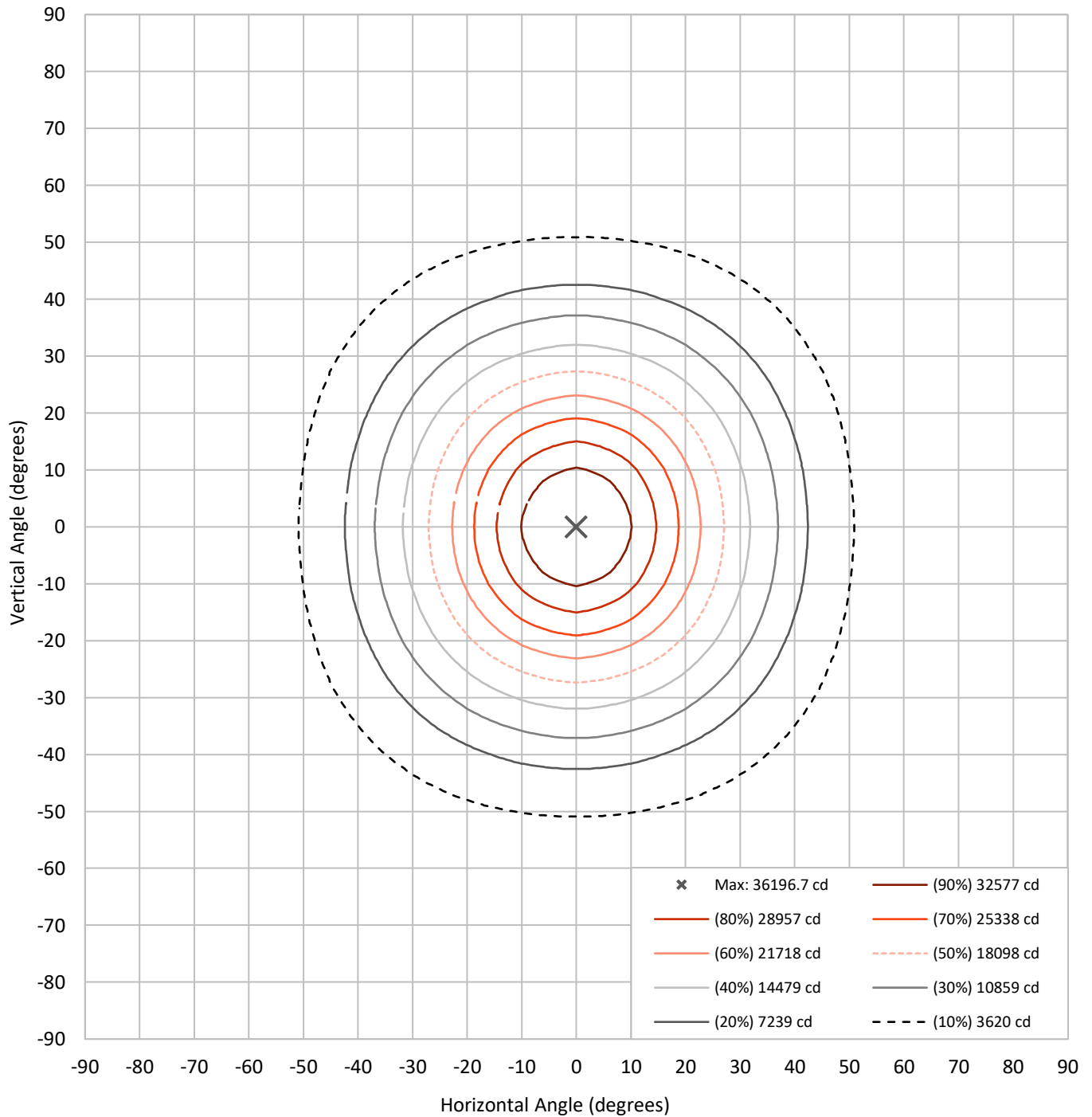
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	37542 lumens	Max Intensity:	36196.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.6 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	18050.3 lumens	Field Lumens:	32946.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 281  
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





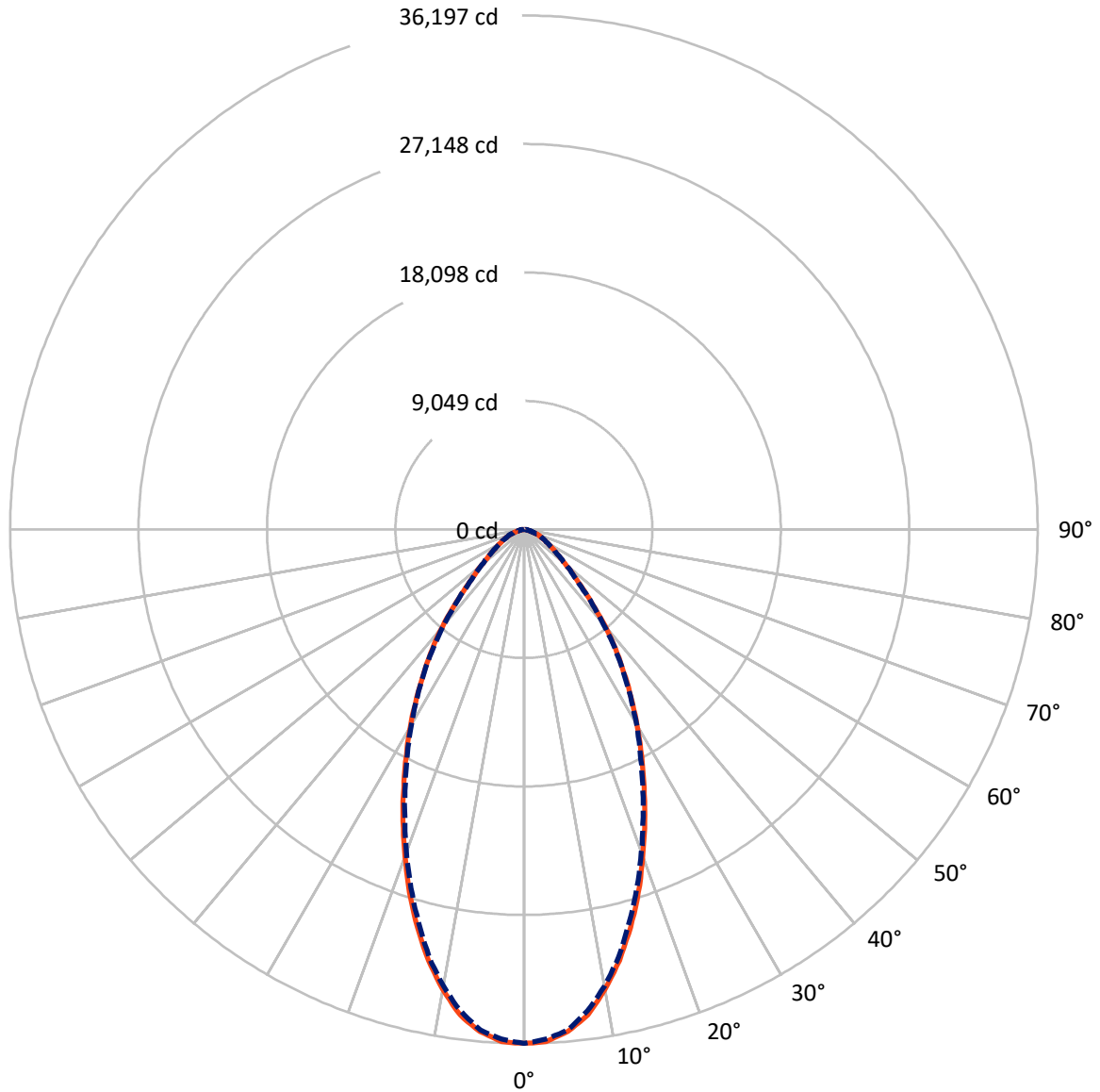
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### Lumen Table

90	2.6	16.1	32.4	49.4	42.4	49.4	32.4	16.1	2.6										
80																			
70																			
60	6.6	7.1	12.5	19.0	26.6	34.0	39.7	42.5	42.5	39.7	34.0	26.6	19.0	12.5	7.1				6.6
50		9.3	17.7	29.2	43.7	59.6	73.8	82.4	82.4	73.8	59.6	43.7	29.2	17.7	9.3				
40	8.9	11.7	23.8	43.0	71.3	109.4	150.6	178.6	178.6	150.6	109.4	71.3	43.0	23.8	11.7				8.9
30		13.9	30.7	61.9	118.7	209.9	305.3	364.6	364.6	305.3	209.9	118.7	61.9	30.7	13.9				
20	10.2	16.0	37.8	85.8	189.9	342.8	492.4	590.9	590.9	492.4	342.8	189.9	85.8	37.8	16.0				10.2
10		17.6	44.2	110.3	258.7	461.5	683.5	843.9	843.9	683.5	461.5	258.7	110.3	44.2	17.6				
0	10.7	18.5	47.9	126.5	298.6	535.3	815.2	1024.6	1024.6	815.2	535.3	298.6	126.5	47.9	18.5				10.7
-10		18.5	47.9	126.5	298.6	535.3	815.2	1024.6	1024.6	815.2	535.3	298.6	126.5	47.9	18.5				
-20	10.2	17.6	44.2	110.3	258.7	461.5	683.5	843.9	843.9	683.5	461.5	258.7	110.3	44.2	17.6				10.2
-30		16.0	37.8	85.8	189.9	342.8	492.4	590.9	590.9	492.4	342.8	189.9	85.8	37.8	16.0				
-40	8.9	13.9	30.7	61.9	118.7	209.9	305.3	364.6	364.6	305.3	209.9	118.7	61.9	30.7	13.9				8.9
-50		11.7	23.8	43.0	71.3	109.4	150.6	178.6	178.6	150.6	109.4	71.3	43.0	23.8	11.7				
-60	6.6	9.3	17.7	29.2	43.7	59.6	73.8	82.4	82.4	73.8	59.6	43.7	29.2	17.7	9.3				6.6
-70		7.1	12.5	19.0	26.6	34.0	39.7	42.5	42.5	39.7	34.0	26.6	19.0	12.5	7.1				
-80	2.6	16.1	32.4	49.4	42.4	49.4	32.4	16.1	2.6										
-90																			

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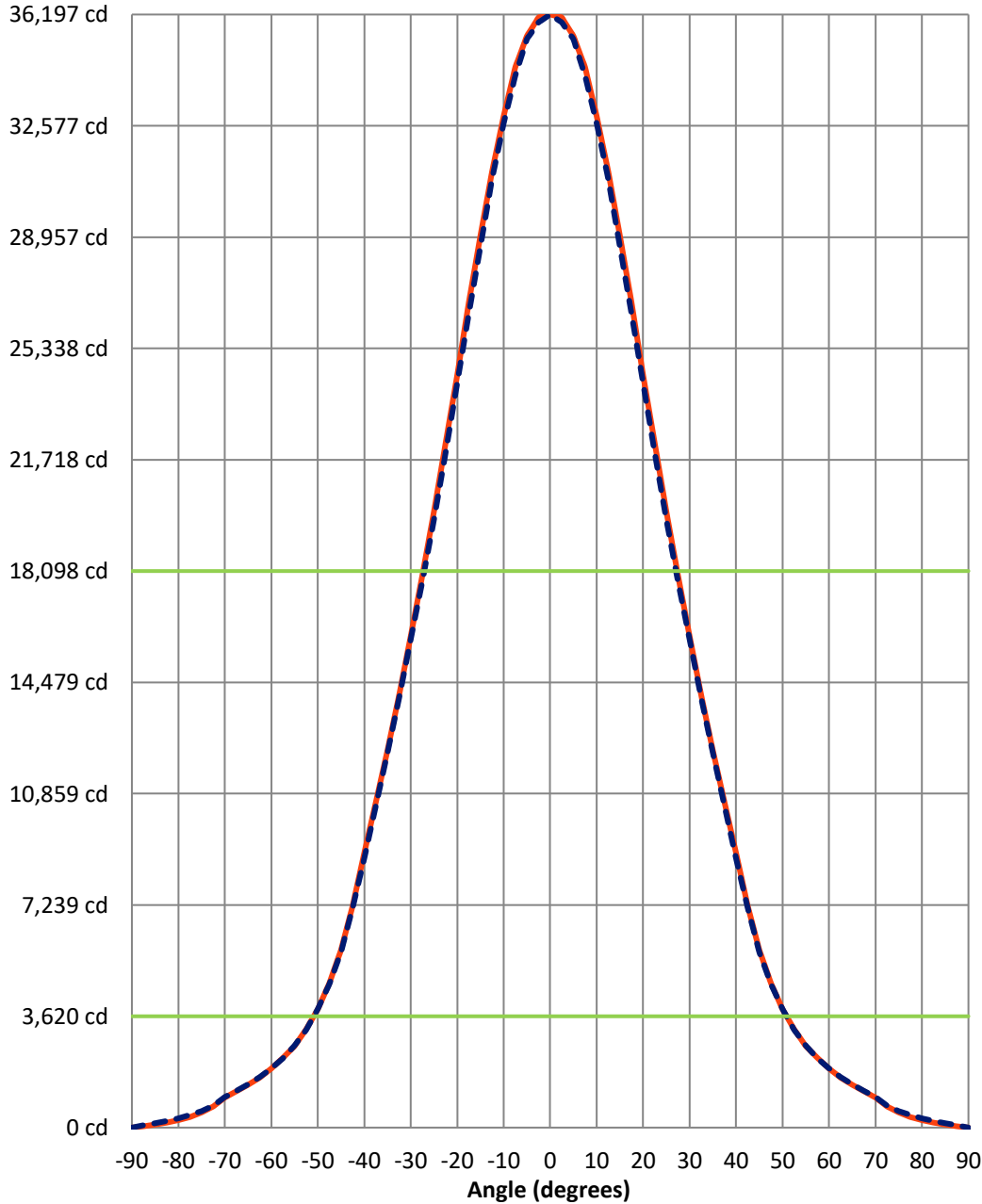
### Luminous Intensity Polar Plot



— 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: 18050.3  
 Efficiency: 48.1%

**Field:**  
 H Angle: 101.7°  
 V Angle: 101.8°  
 Lumens: 32946.8  
 Efficiency: 87.8%

**Spill:**  
 Lumens: 4595.2  
 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	8	15	23	31	39	46	50	54	62
85°	0	8	15	27	42	62	81	93	100	112	120
82.5°	0	12	27	42	66	89	120	135	150	166	177
80°	0	15	35	58	85	120	158	177	197	216	231
77.5°	0	19	42	69	108	147	193	220	243	266	289
75°	0	23	50	85	127	170	224	258	289	320	355
72.5°	0	27	58	96	143	193	255	297	332	374	420
70°	0	31	66	112	158	216	285	332	374	424	463
67.5°	0	35	73	120	174	235	309	366	413	459	501
65°	0	35	81	127	185	255	328	397	447	494	544
62.5°	0	39	89	135	197	270	347	424	478	528	586
60°	0	42	93	143	212	285	370	451	505	567	629
57.5°	0	46	96	150	220	297	386	474	540	606	671
55°	0	50	104	158	228	312	401	498	571	640	714
52.5°	0	50	108	162	239	324	417	513	602	679	764
50°	0	54	112	166	247	336	428	532	633	717	806
47.5°	0	58	116	170	251	343	444	552	667	756	852
45°	0	58	120	174	258	355	455	563	690	795	895
42.5°	0	62	120	177	262	363	467	582	710	833	941
40°	0	66	123	185	270	366	478	598	733	872	984
37.5°	0	66	127	189	274	374	486	613	756	899	1022
35°	0	69	131	193	278	378	490	629	775	926	1065
32.5°	0	69	131	201	282	386	498	640	798	957	1103
30°	0	69	135	204	282	386	509	652	818	987	1142
27.5°	0	73	135	204	289	390	517	667	837	1022	1180
25°	0	73	139	208	293	390	521	679	860	1053	1215
22.5°	0	73	139	212	297	393	525	690	883	1080	1254
20°	0	77	143	216	301	397	528	702	906	1103	1284
17.5°	0	77	143	216	305	405	532	710	926	1126	1311
15°	0	81	143	216	305	409	540	714	945	1146	1338
12.5°	0	81	143	220	305	409	544	721	964	1165	1358
10°	0	77	147	220	305	413	548	725	976	1176	1377
7.5°	0	77	147	220	309	413	548	725	987	1188	1389
5°	0	77	143	220	305	417	548	729	1003	1200	1400
2.5°	0	77	143	216	305	417	540	721	999	1200	1408
0°	0	77	143	216	301	413	536	714	995	1196	1408
-2.5°	0	77	143	216	305	417	540	721	999	1200	1408
-5°	0	77	143	220	305	417	548	729	1003	1200	1400
-7.5°	0	77	147	220	309	413	548	725	987	1188	1389
-10°	0	77	147	220	305	413	548	725	976	1176	1377
-12.5°	0	81	143	220	305	409	544	721	964	1165	1358
-15°	0	81	143	216	305	409	540	714	945	1146	1338
-17.5°	0	77	143	216	305	405	532	710	926	1126	1311
-20°	0	77	143	216	301	397	528	702	906	1103	1284



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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	73	139	212	297	393	525	690	883	1080	1254
-25°	0	73	139	208	293	390	521	679	860	1053	1215
-27.5°	0	73	135	204	289	390	517	667	837	1022	1180
-30°	0	69	135	204	282	386	509	652	818	987	1142
-32.5°	0	69	131	201	282	386	498	640	798	957	1103
-35°	0	69	131	193	278	378	490	629	775	926	1065
-37.5°	0	66	127	189	274	374	486	613	756	899	1022
-40°	0	66	123	185	270	366	478	598	733	872	984
-42.5°	0	62	120	177	262	363	467	582	710	833	941
-45°	0	58	120	174	258	355	455	563	690	795	895
-47.5°	0	58	116	170	251	343	444	552	667	756	852
-50°	0	54	112	166	247	336	428	532	633	717	806
-52.5°	0	50	108	162	239	324	417	513	602	679	764
-55°	0	50	104	158	228	312	401	498	571	640	714
-57.5°	0	46	96	150	220	297	386	474	540	606	671
-60°	0	42	93	143	212	285	370	451	505	567	629
-62.5°	0	39	89	135	197	270	347	424	478	528	586
-65°	0	35	81	127	185	255	328	397	447	494	544
-67.5°	0	35	73	120	174	235	309	366	413	459	501
-70°	0	31	66	112	158	216	285	332	374	424	463
-72.5°	0	27	58	96	143	193	255	297	332	374	420
-75°	0	23	50	85	127	170	224	258	289	320	355
-77.5°	0	19	42	69	108	147	193	220	243	266	289
-80°	0	15	35	58	85	120	158	177	197	216	231
-82.5°	0	12	27	42	66	89	120	135	150	166	177
-85°	0	8	15	27	42	62	81	93	100	112	120
-87.5°	0	4	8	15	23	31	39	46	50	54	62
-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°	66	69	73	73	73	69	66	62	69	77	85
85°	127	139	143	150	147	139	135	127	143	158	177
82.5°	189	201	208	216	216	208	201	189	212	235	262
80°	247	262	278	289	289	278	266	251	278	312	347
77.5°	316	336	351	366	363	359	351	343	370	405	440
75°	386	413	424	440	447	444	444	451	482	525	563
72.5°	447	467	490	517	528	536	555	579	609	644	675
70°	498	521	552	579	602	625	652	683	714	748	779
67.5°	544	579	609	644	675	710	744	779	814	852	891
65°	594	633	671	710	752	795	837	876	918	968	1011
62.5°	644	687	733	779	829	879	930	980	1038	1092	1146
60°	690	744	798	856	914	972	1026	1092	1161	1223	1292
57.5°	737	802	864	930	995	1061	1138	1211	1292	1373	1450
55°	787	864	933	1007	1080	1165	1250	1342	1431	1535	1632
52.5°	841	922	1003	1084	1176	1269	1369	1477	1593	1713	1832
50°	895	984	1072	1169	1273	1381	1500	1628	1766	1905	2052
47.5°	945	1041	1149	1254	1373	1500	1639	1793	1948	2121	2306
45°	999	1103	1219	1346	1477	1628	1793	1963	2160	2357	2573
42.5°	1053	1165	1296	1431	1593	1763	1944	2160	2380	2623	2885
40°	1099	1227	1373	1535	1709	1898	2121	2357	2627	2916	3240
37.5°	1153	1292	1450	1628	1828	2048	2306	2580	2893	3244	3633
35°	1203	1358	1531	1724	1948	2202	2492	2812	3174	3599	4073
32.5°	1254	1423	1608	1820	2067	2357	2684	3062	3491	3976	4570
30°	1304	1481	1682	1913	2191	2519	2897	3317	3811	4424	5130
27.5°	1350	1543	1759	2013	2310	2669	3097	3599	4181	4871	5697
25°	1396	1597	1832	2106	2438	2831	3298	3849	4547	5365	6345
22.5°	1439	1651	1898	2195	2553	2989	3514	4142	4910	5820	6973
20°	1481	1705	1967	2279	2654	3132	3710	4412	5284	6356	7637
17.5°	1516	1755	2033	2368	2777	3278	3892	4682	5623	6850	8277
15°	1551	1797	2090	2445	2885	3425	4088	4918	5982	7317	8832
12.5°	1578	1832	2141	2515	2978	3548	4258	5157	6329	7756	9314
10°	1597	1863	2179	2569	3055	3649	4397	5350	6611	8115	9716
7.5°	1616	1886	2210	2611	3113	3726	4505	5500	6827	8393	10024
5°	1632	1905	2233	2642	3151	3784	4586	5596	6981	8589	10244
2.5°	1643	1921	2252	2669	3182	3845	4659	5701	7128	8755	10441
0°	1643	1925	2252	2669	3178	3857	4671	5708	7147	8751	10468
-2.5°	1643	1921	2252	2669	3182	3845	4659	5701	7128	8755	10441
-5°	1632	1905	2233	2642	3151	3784	4586	5596	6981	8589	10244
-7.5°	1616	1886	2210	2611	3113	3726	4505	5500	6827	8393	10024
-10°	1597	1863	2179	2569	3055	3649	4397	5350	6611	8115	9716
-12.5°	1578	1832	2141	2515	2978	3548	4258	5157	6329	7756	9314
-15°	1551	1797	2090	2445	2885	3425	4088	4918	5982	7317	8832
-17.5°	1516	1755	2033	2368	2777	3278	3892	4682	5623	6850	8277
-20°	1481	1705	1967	2279	2654	3132	3710	4412	5284	6356	7637



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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°	1439	1651	1898	2195	2553	2989	3514	4142	4910	5820	6973
-25°	1396	1597	1832	2106	2438	2831	3298	3849	4547	5365	6345
-27.5°	1350	1543	1759	2013	2310	2669	3097	3599	4181	4871	5697
-30°	1304	1481	1682	1913	2191	2519	2897	3317	3811	4424	5130
-32.5°	1254	1423	1608	1820	2067	2357	2684	3062	3491	3976	4570
-35°	1203	1358	1531	1724	1948	2202	2492	2812	3174	3599	4073
-37.5°	1153	1292	1450	1628	1828	2048	2306	2580	2893	3244	3633
-40°	1099	1227	1373	1535	1709	1898	2121	2357	2627	2916	3240
-42.5°	1053	1165	1296	1431	1593	1763	1944	2160	2380	2623	2885
-45°	999	1103	1219	1346	1477	1628	1793	1963	2160	2357	2573
-47.5°	945	1041	1149	1254	1373	1500	1639	1793	1948	2121	2306
-50°	895	984	1072	1169	1273	1381	1500	1628	1766	1905	2052
-52.5°	841	922	1003	1084	1176	1269	1369	1477	1593	1713	1832
-55°	787	864	933	1007	1080	1165	1250	1342	1431	1535	1632
-57.5°	737	802	864	930	995	1061	1138	1211	1292	1373	1450
-60°	690	744	798	856	914	972	1026	1092	1161	1223	1292
-62.5°	644	687	733	779	829	879	930	980	1038	1092	1146
-65°	594	633	671	710	752	795	837	876	918	968	1011
-67.5°	544	579	609	644	675	710	744	779	814	852	891
-70°	498	521	552	579	602	625	652	683	714	748	779
-72.5°	447	467	490	517	528	536	555	579	609	644	675
-75°	386	413	424	440	447	444	444	451	482	525	563
-77.5°	316	336	351	366	363	359	351	343	370	405	440
-80°	247	262	278	289	289	278	266	251	278	312	347
-82.5°	189	201	208	216	216	208	201	189	212	235	262
-85°	127	139	143	150	147	139	135	127	143	158	177
-87.5°	66	69	73	73	73	69	66	62	69	77	85
-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°	96	96	96	96	93	96	96	100	104	93	81
85°	193	197	197	197	197	197	197	197	197	177	158
82.5°	289	301	309	320	328	328	324	320	312	282	247
80°	382	401	413	424	436	432	428	420	417	378	339
77.5°	474	498	513	525	536	540	536	536	532	498	455
75°	594	613	629	644	660	667	671	671	671	640	602
72.5°	702	725	748	771	791	802	814	822	829	814	791
70°	814	841	868	895	922	941	957	972	980	984	984
67.5°	930	964	999	1034	1065	1092	1111	1130	1146	1161	1169
65°	1057	1103	1146	1184	1219	1254	1281	1308	1331	1350	1362
62.5°	1200	1254	1304	1354	1392	1435	1477	1516	1547	1574	1593
60°	1358	1423	1485	1547	1608	1659	1713	1759	1797	1832	1863
57.5°	1535	1616	1693	1774	1844	1909	1975	2040	2098	2144	2183
55°	1732	1832	1932	2029	2125	2214	2299	2384	2461	2522	2576
52.5°	1959	2079	2206	2326	2457	2573	2681	2796	2900	2993	3070
50°	2202	2357	2522	2677	2846	3008	3155	3302	3448	3575	3680
47.5°	2488	2673	2889	3101	3309	3529	3734	3926	4127	4297	4439
45°	2796	3055	3309	3595	3857	4154	4435	4717	4964	5211	5419
42.5°	3163	3487	3811	4177	4536	4910	5307	5662	6032	6395	6696
40°	3599	3980	4428	4867	5365	5835	6399	6896	7367	7826	8215
37.5°	4077	4582	5134	5693	6368	7031	7691	8315	8875	9388	9797
35°	4628	5265	5920	6734	7536	8346	9102	9812	10448	10969	11401
32.5°	5261	6013	6919	7864	8794	9692	10595	11297	11960	12554	13063
30°	5932	6912	7968	9025	10039	11015	11925	12770	13542	14209	14780
27.5°	6719	7853	9029	10163	11251	12303	13337	14301	15146	15848	16558
25°	7498	8798	10055	11254	12431	13607	14745	15829	16816	17676	18444
22.5°	8319	9677	11004	12276	13611	14891	16137	17371	18505	19497	20360
20°	9079	10537	11891	13310	14756	16145	17545	18879	20144	21340	22324
17.5°	9758	11243	12720	14216	15794	17368	18887	20333	21776	23168	24395
15°	10363	11922	13437	15069	16770	18463	20156	21749	23373	24915	26288
12.5°	10900	12508	14120	15856	17634	19396	21251	23103	24904	26566	28055
10°	11343	13013	14741	16538	18386	20249	22246	24302	26231	27997	29617
7.5°	11679	13395	15200	17067	19014	21008	23095	25189	27230	29127	30824
5°	11918	13650	15505	17410	19439	21521	23747	25980	28063	30026	31761
2.5°	12134	13877	15767	17599	19666	21826	24055	26369	28498	30516	32448
0°	12192	13970	15879	17761	19770	21938	24210	26470	28653	30843	32660
-2.5°	12134	13877	15767	17599	19666	21826	24055	26369	28498	30516	32448
-5°	11918	13650	15505	17410	19439	21521	23747	25980	28063	30026	31761
-7.5°	11679	13395	15200	17067	19014	21008	23095	25189	27230	29127	30824
-10°	11343	13013	14741	16538	18386	20249	22246	24302	26231	27997	29617
-12.5°	10900	12508	14120	15856	17634	19396	21251	23103	24904	26566	28055
-15°	10363	11922	13437	15069	16770	18463	20156	21749	23373	24915	26288
-17.5°	9758	11243	12720	14216	15794	17368	18887	20333	21776	23168	24395
-20°	9079	10537	11891	13310	14756	16145	17545	18879	20144	21340	22324



REPORT NUMBER: P622223

CATALOG NUMBER: IFLD-L-SA7B-740-U-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8319	9677	11004	12276	13611	14891	16137	17371	18505	19497	20360
-25°	7498	8798	10055	11254	12431	13607	14745	15829	16816	17676	18444
-27.5°	6719	7853	9029	10163	11251	12303	13337	14301	15146	15848	16558
-30°	5932	6912	7968	9025	10039	11015	11925	12770	13542	14209	14780
-32.5°	5261	6013	6919	7864	8794	9692	10595	11297	11960	12554	13063
-35°	4628	5265	5920	6734	7536	8346	9102	9812	10448	10969	11401
-37.5°	4077	4582	5134	5693	6368	7031	7691	8315	8875	9388	9797
-40°	3599	3980	4428	4867	5365	5835	6399	6896	7367	7826	8215
-42.5°	3163	3487	3811	4177	4536	4910	5307	5662	6032	6395	6696
-45°	2796	3055	3309	3595	3857	4154	4435	4717	4964	5211	5419
-47.5°	2488	2673	2889	3101	3309	3529	3734	3926	4127	4297	4439
-50°	2202	2357	2522	2677	2846	3008	3155	3302	3448	3575	3680
-52.5°	1959	2079	2206	2326	2457	2573	2681	2796	2900	2993	3070
-55°	1732	1832	1932	2029	2125	2214	2299	2384	2461	2522	2576
-57.5°	1535	1616	1693	1774	1844	1909	1975	2040	2098	2144	2183
-60°	1358	1423	1485	1547	1608	1659	1713	1759	1797	1832	1863
-62.5°	1200	1254	1304	1354	1392	1435	1477	1516	1547	1574	1593
-65°	1057	1103	1146	1184	1219	1254	1281	1308	1331	1350	1362
-67.5°	930	964	999	1034	1065	1092	1111	1130	1146	1161	1169
-70°	814	841	868	895	922	941	957	972	980	984	984
-72.5°	702	725	748	771	791	802	814	822	829	814	791
-75°	594	613	629	644	660	667	671	671	671	640	602
-77.5°	474	498	513	525	536	540	536	536	532	498	455
-80°	382	401	413	424	436	432	428	420	417	378	339
-82.5°	289	301	309	320	328	328	324	320	312	282	247
-85°	193	197	197	197	197	197	197	197	197	177	158
-87.5°	96	96	96	96	93	96	96	100	104	93	81
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: IFLD-L-SA7B-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°	66	54	50	42	50	54	66	81	93	104	100
85°	135	112	108	100	108	112	135	158	177	197	197
82.5°	216	177	170	162	170	177	216	247	282	312	320
80°	305	258	251	243	251	258	305	339	378	417	420
77.5°	413	370	355	343	355	370	413	455	498	532	536
75°	559	517	505	494	505	517	559	602	640	671	671
72.5°	764	744	714	687	714	744	764	791	814	829	822
70°	987	995	987	976	987	995	987	984	984	980	972
67.5°	1173	1180	1180	1184	1180	1180	1173	1169	1161	1146	1130
65°	1373	1377	1389	1392	1389	1377	1373	1362	1350	1331	1308
62.5°	1605	1616	1624	1624	1624	1616	1605	1593	1574	1547	1516
60°	1882	1898	1917	1921	1917	1898	1882	1863	1832	1797	1759
57.5°	2214	2233	2260	2268	2260	2233	2214	2183	2144	2098	2040
55°	2615	2642	2657	2650	2657	2642	2615	2576	2522	2461	2384
52.5°	3136	3182	3213	3197	3213	3182	3136	3070	2993	2900	2796
50°	3764	3822	3861	3849	3861	3822	3764	3680	3575	3448	3302
47.5°	4551	4632	4698	4702	4698	4632	4551	4439	4297	4127	3926
45°	5585	5704	5793	5778	5793	5704	5585	5419	5211	4964	4717
42.5°	6927	7093	7224	7212	7224	7093	6927	6696	6395	6032	5662
40°	8504	8709	8882	8929	8882	8709	8504	8215	7826	7367	6896
37.5°	10128	10390	10610	10587	10610	10390	10128	9797	9388	8875	8315
35°	11760	12033	12249	12269	12249	12033	11760	11401	10969	10448	9812
32.5°	13468	13773	14027	14062	14027	13773	13468	13063	12554	11960	11297
30°	15250	15617	15921	15983	15921	15617	15250	14780	14209	13542	12770
27.5°	17125	17560	17850	17961	17850	17560	17125	16558	15848	15146	14301
25°	19057	19531	19855	20036	19855	19531	19057	18444	17676	16816	15829
22.5°	21074	21637	22057	22258	22057	21637	21074	20360	19497	18505	17371
20°	23157	23770	24260	24468	24260	23770	23157	22324	21340	20144	18879
17.5°	25278	26026	26570	26836	26570	26026	25278	24395	23168	21776	20333
15°	27338	28132	28722	29008	28722	28132	27338	26288	24915	23373	21749
12.5°	29247	30087	30678	31090	30678	30087	29247	28055	26566	24904	23103
10°	30951	31869	32467	32895	32467	31869	30951	29617	27997	26231	24302
7.5°	32228	33389	34064	34484	34064	33389	32228	30824	29127	27230	25189
5°	33208	34488	35101	35499	35101	34488	33208	31761	30026	28063	25980
2.5°	33925	34936	35703	36100	35703	34936	33925	32448	30516	28498	26369
0°	34207	35395	35938	36197	35938	35395	34207	32660	30843	28653	26470
-2.5°	33925	34936	35703	36100	35703	34936	33925	32448	30516	28498	26369
-5°	33208	34488	35101	35499	35101	34488	33208	31761	30026	28063	25980
-7.5°	32228	33389	34064	34484	34064	33389	32228	30824	29127	27230	25189
-10°	30951	31869	32467	32895	32467	31869	30951	29617	27997	26231	24302
-12.5°	29247	30087	30678	31090	30678	30087	29247	28055	26566	24904	23103
-15°	27338	28132	28722	29008	28722	28132	27338	26288	24915	23373	21749
-17.5°	25278	26026	26570	26836	26570	26026	25278	24395	23168	21776	20333
-20°	23157	23770	24260	24468	24260	23770	23157	22324	21340	20144	18879



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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°	21074	21637	22057	22258	22057	21637	21074	20360	19497	18505	17371
-25°	19057	19531	19855	20036	19855	19531	19057	18444	17676	16816	15829
-27.5°	17125	17560	17850	17961	17850	17560	17125	16558	15848	15146	14301
-30°	15250	15617	15921	15983	15921	15617	15250	14780	14209	13542	12770
-32.5°	13468	13773	14027	14062	14027	13773	13468	13063	12554	11960	11297
-35°	11760	12033	12249	12269	12249	12033	11760	11401	10969	10448	9812
-37.5°	10128	10390	10610	10587	10610	10390	10128	9797	9388	8875	8315
-40°	8504	8709	8882	8929	8882	8709	8504	8215	7826	7367	6896
-42.5°	6927	7093	7224	7212	7224	7093	6927	6696	6395	6032	5662
-45°	5585	5704	5793	5778	5793	5704	5585	5419	5211	4964	4717
-47.5°	4551	4632	4698	4702	4698	4632	4551	4439	4297	4127	3926
-50°	3764	3822	3861	3849	3861	3822	3764	3680	3575	3448	3302
-52.5°	3136	3182	3213	3197	3213	3182	3136	3070	2993	2900	2796
-55°	2615	2642	2657	2650	2657	2642	2615	2576	2522	2461	2384
-57.5°	2214	2233	2260	2268	2260	2233	2214	2183	2144	2098	2040
-60°	1882	1898	1917	1921	1917	1898	1882	1863	1832	1797	1759
-62.5°	1605	1616	1624	1624	1624	1616	1605	1593	1574	1547	1516
-65°	1373	1377	1389	1392	1389	1377	1373	1362	1350	1331	1308
-67.5°	1173	1180	1180	1184	1180	1180	1173	1169	1161	1146	1130
-70°	987	995	987	976	987	995	987	984	984	980	972
-72.5°	764	744	714	687	714	744	764	791	814	829	822
-75°	559	517	505	494	505	517	559	602	640	671	671
-77.5°	413	370	355	343	355	370	413	455	498	532	536
-80°	305	258	251	243	251	258	305	339	378	417	420
-82.5°	216	177	170	162	170	177	216	247	282	312	320
-85°	135	112	108	100	108	112	135	158	177	197	197
-87.5°	66	54	50	42	50	54	66	81	93	104	100
-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°	96	96	93	96	96	96	96	85	77	69	62
85°	197	197	197	197	197	197	193	177	158	143	127
82.5°	324	328	328	320	309	301	289	262	235	212	189
80°	428	432	436	424	413	401	382	347	312	278	251
77.5°	536	540	536	525	513	498	474	440	405	370	343
75°	671	667	660	644	629	613	594	563	525	482	451
72.5°	814	802	791	771	748	725	702	675	644	609	579
70°	957	941	922	895	868	841	814	779	748	714	683
67.5°	1111	1092	1065	1034	999	964	930	891	852	814	779
65°	1281	1254	1219	1184	1146	1103	1057	1011	968	918	876
62.5°	1477	1435	1392	1354	1304	1254	1200	1146	1092	1038	980
60°	1713	1659	1608	1547	1485	1423	1358	1292	1223	1161	1092
57.5°	1975	1909	1844	1774	1693	1616	1535	1450	1373	1292	1211
55°	2299	2214	2125	2029	1932	1832	1732	1632	1535	1431	1342
52.5°	2681	2573	2457	2326	2206	2079	1959	1832	1713	1593	1477
50°	3155	3008	2846	2677	2522	2357	2202	2052	1905	1766	1628
47.5°	3734	3529	3309	3101	2889	2673	2488	2306	2121	1948	1793
45°	4435	4154	3857	3595	3309	3055	2796	2573	2357	2160	1963
42.5°	5307	4910	4536	4177	3811	3487	3163	2885	2623	2380	2160
40°	6399	5835	5365	4867	4428	3980	3599	3240	2916	2627	2357
37.5°	7691	7031	6368	5693	5134	4582	4077	3633	3244	2893	2580
35°	9102	8346	7536	6734	5920	5265	4628	4073	3599	3174	2812
32.5°	10595	9692	8794	7864	6919	6013	5261	4570	3976	3491	3062
30°	11925	11015	10039	9025	7968	6912	5932	5130	4424	3811	3317
27.5°	13337	12303	11251	10163	9029	7853	6719	5697	4871	4181	3599
25°	14745	13607	12431	11254	10055	8798	7498	6345	5365	4547	3849
22.5°	16137	14891	13611	12276	11004	9677	8319	6973	5820	4910	4142
20°	17545	16145	14756	13310	11891	10537	9079	7637	6356	5284	4412
17.5°	18887	17368	15794	14216	12720	11243	9758	8277	6850	5623	4682
15°	20156	18463	16770	15069	13437	11922	10363	8832	7317	5982	4918
12.5°	21251	19396	17634	15856	14120	12508	10900	9314	7756	6329	5157
10°	22246	20249	18386	16538	14741	13013	11343	9716	8115	6611	5350
7.5°	23095	21008	19014	17067	15200	13395	11679	10024	8393	6827	5500
5°	23747	21521	19439	17410	15505	13650	11918	10244	8589	6981	5596
2.5°	24055	21826	19666	17599	15767	13877	12134	10441	8755	7128	5701
0°	24210	21938	19770	17761	15879	13970	12192	10468	8751	7147	5708
-2.5°	24055	21826	19666	17599	15767	13877	12134	10441	8755	7128	5701
-5°	23747	21521	19439	17410	15505	13650	11918	10244	8589	6981	5596
-7.5°	23095	21008	19014	17067	15200	13395	11679	10024	8393	6827	5500
-10°	22246	20249	18386	16538	14741	13013	11343	9716	8115	6611	5350
-12.5°	21251	19396	17634	15856	14120	12508	10900	9314	7756	6329	5157
-15°	20156	18463	16770	15069	13437	11922	10363	8832	7317	5982	4918
-17.5°	18887	17368	15794	14216	12720	11243	9758	8277	6850	5623	4682
-20°	17545	16145	14756	13310	11891	10537	9079	7637	6356	5284	4412



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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°	16137	14891	13611	12276	11004	9677	8319	6973	5820	4910	4142
-25°	14745	13607	12431	11254	10055	8798	7498	6345	5365	4547	3849
-27.5°	13337	12303	11251	10163	9029	7853	6719	5697	4871	4181	3599
-30°	11925	11015	10039	9025	7968	6912	5932	5130	4424	3811	3317
-32.5°	10595	9692	8794	7864	6919	6013	5261	4570	3976	3491	3062
-35°	9102	8346	7536	6734	5920	5265	4628	4073	3599	3174	2812
-37.5°	7691	7031	6368	5693	5134	4582	4077	3633	3244	2893	2580
-40°	6399	5835	5365	4867	4428	3980	3599	3240	2916	2627	2357
-42.5°	5307	4910	4536	4177	3811	3487	3163	2885	2623	2380	2160
-45°	4435	4154	3857	3595	3309	3055	2796	2573	2357	2160	1963
-47.5°	3734	3529	3309	3101	2889	2673	2488	2306	2121	1948	1793
-50°	3155	3008	2846	2677	2522	2357	2202	2052	1905	1766	1628
-52.5°	2681	2573	2457	2326	2206	2079	1959	1832	1713	1593	1477
-55°	2299	2214	2125	2029	1932	1832	1732	1632	1535	1431	1342
-57.5°	1975	1909	1844	1774	1693	1616	1535	1450	1373	1292	1211
-60°	1713	1659	1608	1547	1485	1423	1358	1292	1223	1161	1092
-62.5°	1477	1435	1392	1354	1304	1254	1200	1146	1092	1038	980
-65°	1281	1254	1219	1184	1146	1103	1057	1011	968	918	876
-67.5°	1111	1092	1065	1034	999	964	930	891	852	814	779
-70°	957	941	922	895	868	841	814	779	748	714	683
-72.5°	814	802	791	771	748	725	702	675	644	609	579
-75°	671	667	660	644	629	613	594	563	525	482	451
-77.5°	536	540	536	525	513	498	474	440	405	370	343
-80°	428	432	436	424	413	401	382	347	312	278	251
-82.5°	324	328	328	320	309	301	289	262	235	212	189
-85°	197	197	197	197	197	197	193	177	158	143	127
-87.5°	96	96	93	96	96	96	96	85	77	69	62
-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°	66	69	73	73	73	69	66	62	54	50	46
85°	135	139	147	150	143	139	127	120	112	100	93
82.5°	201	208	216	216	208	201	189	177	166	150	135
80°	266	278	289	289	278	262	247	231	216	197	177
77.5°	351	359	363	366	351	336	316	289	266	243	220
75°	444	444	447	440	424	413	386	355	320	289	258
72.5°	555	536	528	517	490	467	447	420	374	332	297
70°	652	625	602	579	552	521	498	463	424	374	332
67.5°	744	710	675	644	609	579	544	501	459	413	366
65°	837	795	752	710	671	633	594	544	494	447	397
62.5°	930	879	829	779	733	687	644	586	528	478	424
60°	1026	972	914	856	798	744	690	629	567	505	451
57.5°	1138	1061	995	930	864	802	737	671	606	540	474
55°	1250	1165	1080	1007	933	864	787	714	640	571	498
52.5°	1369	1269	1176	1084	1003	922	841	764	679	602	513
50°	1500	1381	1273	1169	1072	984	895	806	717	633	532
47.5°	1639	1500	1373	1254	1149	1041	945	852	756	667	552
45°	1793	1628	1477	1346	1219	1103	999	895	795	690	563
42.5°	1944	1763	1593	1431	1296	1165	1053	941	833	710	582
40°	2121	1898	1709	1535	1373	1227	1099	984	872	733	598
37.5°	2306	2048	1828	1628	1450	1292	1153	1022	899	756	613
35°	2492	2202	1948	1724	1531	1358	1203	1065	926	775	629
32.5°	2684	2357	2067	1820	1608	1423	1254	1103	957	798	640
30°	2897	2519	2191	1913	1682	1481	1304	1142	987	818	652
27.5°	3097	2669	2310	2013	1759	1543	1350	1180	1022	837	667
25°	3298	2831	2438	2106	1832	1597	1396	1215	1053	860	679
22.5°	3514	2989	2553	2195	1898	1651	1439	1254	1080	883	690
20°	3710	3132	2654	2279	1967	1705	1481	1284	1103	906	702
17.5°	3892	3278	2777	2368	2033	1755	1516	1311	1126	926	710
15°	4088	3425	2885	2445	2090	1797	1551	1338	1146	945	714
12.5°	4258	3548	2978	2515	2141	1832	1578	1358	1165	964	721
10°	4397	3649	3055	2569	2179	1863	1597	1377	1176	976	725
7.5°	4505	3726	3113	2611	2210	1886	1616	1389	1188	987	725
5°	4586	3784	3151	2642	2233	1905	1632	1400	1200	1003	729
2.5°	4659	3845	3182	2669	2252	1921	1643	1408	1200	999	721
0°	4671	3857	3178	2669	2252	1925	1643	1408	1196	995	714
-2.5°	4659	3845	3182	2669	2252	1921	1643	1408	1200	999	721
-5°	4586	3784	3151	2642	2233	1905	1632	1400	1200	1003	729
-7.5°	4505	3726	3113	2611	2210	1886	1616	1389	1188	987	725
-10°	4397	3649	3055	2569	2179	1863	1597	1377	1176	976	725
-12.5°	4258	3548	2978	2515	2141	1832	1578	1358	1165	964	721
-15°	4088	3425	2885	2445	2090	1797	1551	1338	1146	945	714
-17.5°	3892	3278	2777	2368	2033	1755	1516	1311	1126	926	710
-20°	3710	3132	2654	2279	1967	1705	1481	1284	1103	906	702



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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°	3514	2989	2553	2195	1898	1651	1439	1254	1080	883	690
-25°	3298	2831	2438	2106	1832	1597	1396	1215	1053	860	679
-27.5°	3097	2669	2310	2013	1759	1543	1350	1180	1022	837	667
-30°	2897	2519	2191	1913	1682	1481	1304	1142	987	818	652
-32.5°	2684	2357	2067	1820	1608	1423	1254	1103	957	798	640
-35°	2492	2202	1948	1724	1531	1358	1203	1065	926	775	629
-37.5°	2306	2048	1828	1628	1450	1292	1153	1022	899	756	613
-40°	2121	1898	1709	1535	1373	1227	1099	984	872	733	598
-42.5°	1944	1763	1593	1431	1296	1165	1053	941	833	710	582
-45°	1793	1628	1477	1346	1219	1103	999	895	795	690	563
-47.5°	1639	1500	1373	1254	1149	1041	945	852	756	667	552
-50°	1500	1381	1273	1169	1072	984	895	806	717	633	532
-52.5°	1369	1269	1176	1084	1003	922	841	764	679	602	513
-55°	1250	1165	1080	1007	933	864	787	714	640	571	498
-57.5°	1138	1061	995	930	864	802	737	671	606	540	474
-60°	1026	972	914	856	798	744	690	629	567	505	451
-62.5°	930	879	829	779	733	687	644	586	528	478	424
-65°	837	795	752	710	671	633	594	544	494	447	397
-67.5°	744	710	675	644	609	579	544	501	459	413	366
-70°	652	625	602	579	552	521	498	463	424	374	332
-72.5°	555	536	528	517	490	467	447	420	374	332	297
-75°	444	444	447	440	424	413	386	355	320	289	258
-77.5°	351	359	363	366	351	336	316	289	266	243	220
-80°	266	278	289	289	278	262	247	231	216	197	177
-82.5°	201	208	216	216	208	201	189	177	166	150	135
-85°	135	139	147	150	143	139	127	120	112	100	93
-87.5°	66	69	73	73	73	69	66	62	54	50	46
-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°	39	31	23	15	8	4	0
85°	81	62	42	27	15	8	0
82.5°	120	89	66	42	27	12	0
80°	158	120	85	58	35	15	0
77.5°	193	147	108	69	42	19	0
75°	224	170	127	85	50	23	0
72.5°	255	193	143	96	58	27	0
70°	285	216	158	112	66	31	0
67.5°	309	235	174	120	73	35	0
65°	328	255	185	127	81	35	0
62.5°	347	270	197	135	89	39	0
60°	370	285	212	143	93	42	0
57.5°	386	297	220	150	96	46	0
55°	401	312	228	158	104	50	0
52.5°	417	324	239	162	108	50	0
50°	428	336	247	166	112	54	0
47.5°	444	343	251	170	116	58	0
45°	455	355	258	174	120	58	0
42.5°	467	363	262	177	120	62	0
40°	478	366	270	185	123	66	0
37.5°	486	374	274	189	127	66	0
35°	490	378	278	193	131	69	0
32.5°	498	386	282	201	131	69	0
30°	509	386	282	204	135	69	0
27.5°	517	390	289	204	135	73	0
25°	521	390	293	208	139	73	0
22.5°	525	393	297	212	139	73	0
20°	528	397	301	216	143	77	0
17.5°	532	405	305	216	143	77	0
15°	540	409	305	216	143	81	0
12.5°	544	409	305	220	143	81	0
10°	548	413	305	220	147	77	0
7.5°	548	413	309	220	147	77	0
5°	548	417	305	220	143	77	0
2.5°	540	417	305	216	143	77	0
0°	536	413	301	216	143	77	0
-2.5°	540	417	305	216	143	77	0
-5°	548	417	305	220	143	77	0
-7.5°	548	413	309	220	147	77	0
-10°	548	413	305	220	147	77	0
-12.5°	544	409	305	220	143	81	0
-15°	540	409	305	216	143	81	0
-17.5°	532	405	305	216	143	77	0
-20°	528	397	301	216	143	77	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	525	393	297	212	139	73	0
-25°	521	390	293	208	139	73	0
-27.5°	517	390	289	204	135	73	0
-30°	509	386	282	204	135	69	0
-32.5°	498	386	282	201	131	69	0
-35°	490	378	278	193	131	69	0
-37.5°	486	374	274	189	127	66	0
-40°	478	366	270	185	123	66	0
-42.5°	467	363	262	177	120	62	0
-45°	455	355	258	174	120	58	0
-47.5°	444	343	251	170	116	58	0
-50°	428	336	247	166	112	54	0
-52.5°	417	324	239	162	108	50	0
-55°	401	312	228	158	104	50	0
-57.5°	386	297	220	150	96	46	0
-60°	370	285	212	143	93	42	0
-62.5°	347	270	197	135	89	39	0
-65°	328	255	185	127	81	35	0
-67.5°	309	235	174	120	73	35	0
-70°	285	216	158	112	66	31	0
-72.5°	255	193	143	96	58	27	0
-75°	224	170	127	85	50	23	0
-77.5°	193	147	108	69	42	19	0
-80°	158	120	85	58	35	15	0
-82.5°	120	89	66	42	27	12	0
-85°	81	62	42	27	15	8	0
-87.5°	39	31	23	15	8	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)