

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: P622285

Luminaire Tested: **IFLD-L-SA8A-760-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622285  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-760-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (128) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

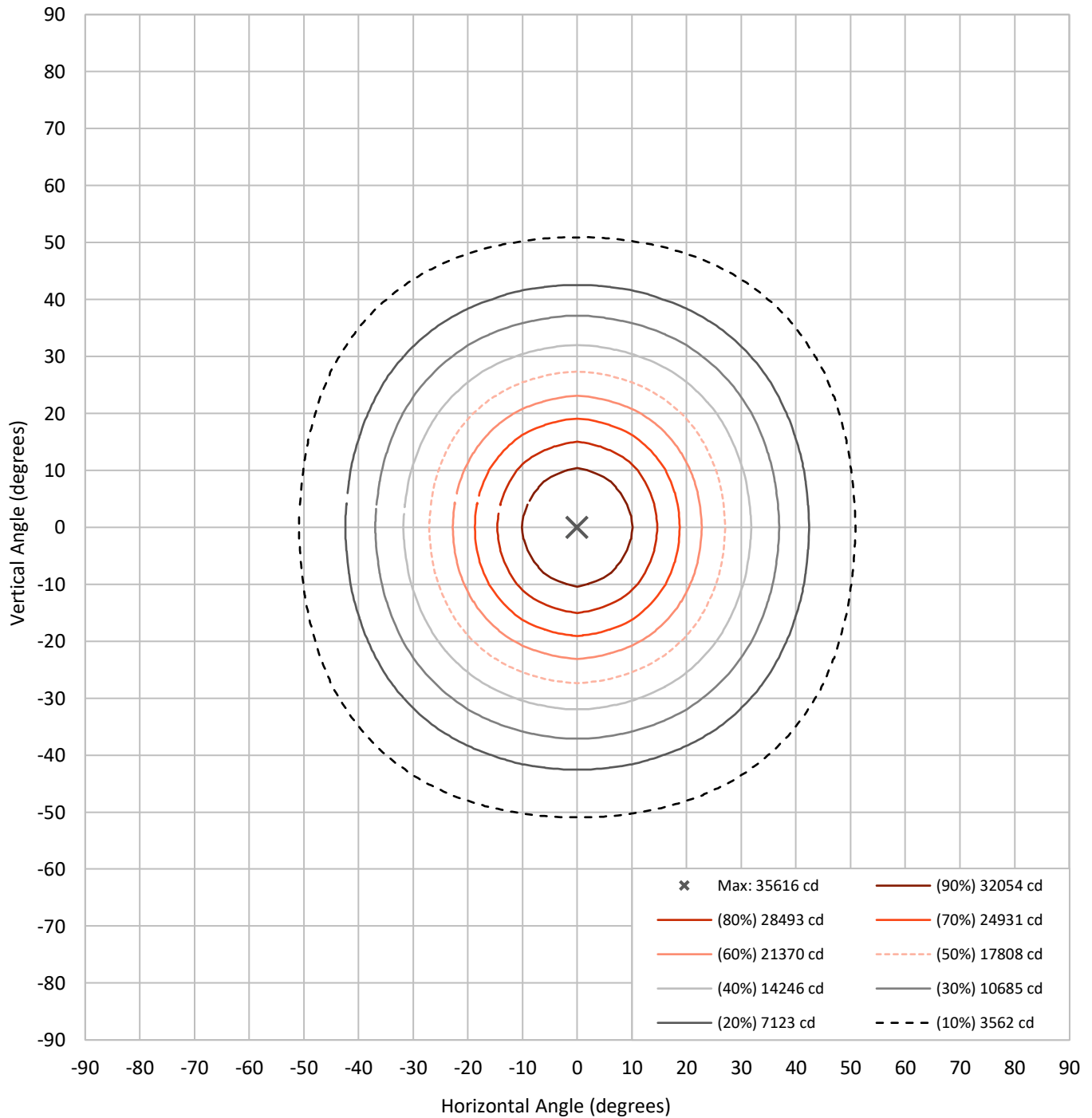
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	36939.6 lumens	Max Intensity:	35616 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	149.1 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	17760.7 lumens	Field Lumens:	32418.2 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		



REPORT NUMBER: P622285  
CATALOG NUMBER: IFLD-L-SA8A-760-U-66

### Iso-Candela Plot





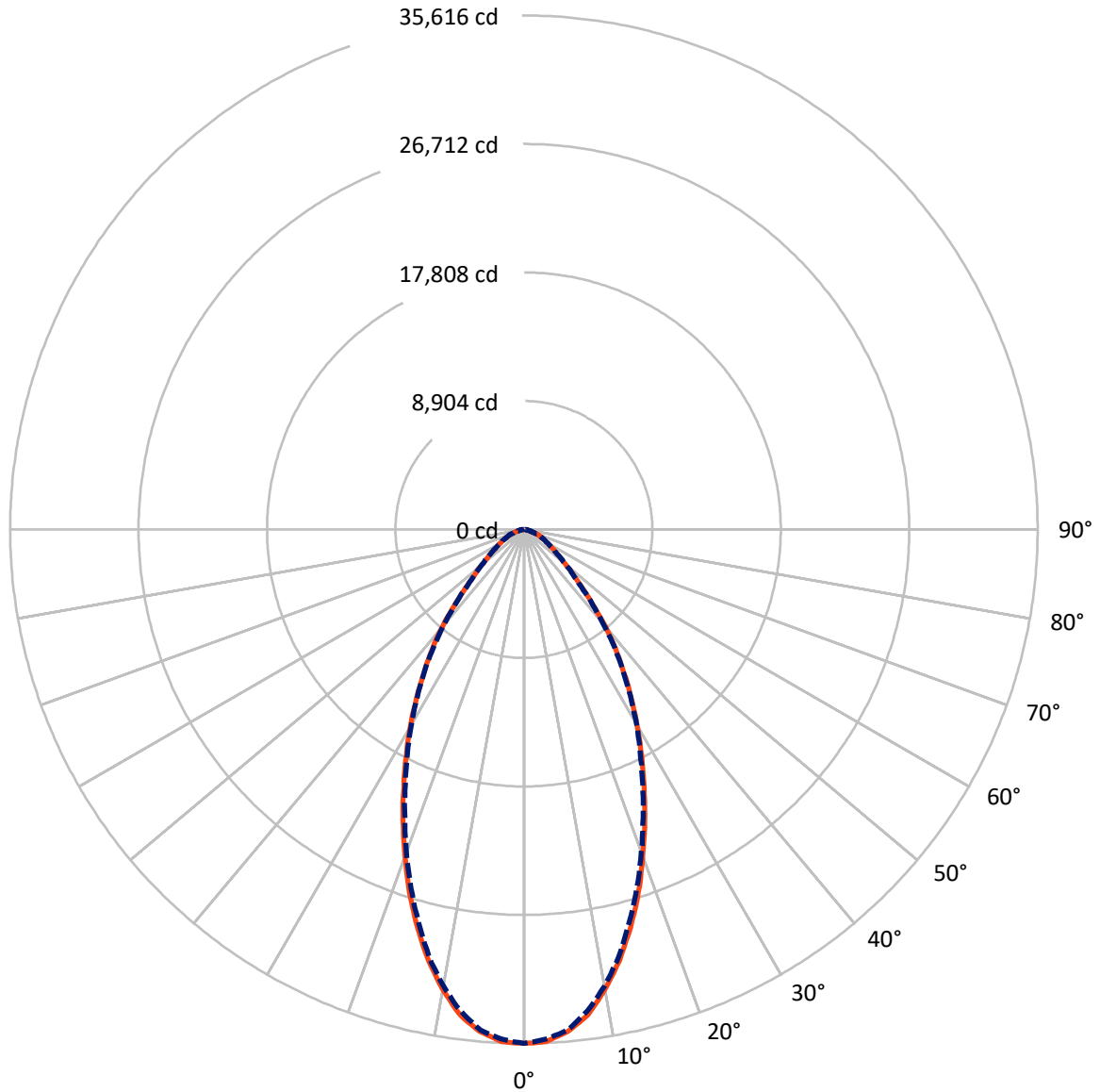
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 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

### Lumen Table

90	2.6	15.9	31.9	48.6	41.7	48.6	31.9	15.9	2.6							
80	2.6	15.9	31.9	48.6	41.7	48.6	31.9	15.9	2.6							
70	6.5	6.9	12.3	18.7	26.2	33.5	39.0	41.8	41.8	39.0	33.5	26.2	18.7	12.3	6.9	6.5
60		9.2	17.5	28.7	43.0	58.6	72.7	81.1	81.1	72.7	58.6	43.0	28.7	17.5	9.2	
50	8.7	11.5	23.4	42.3	70.2	107.6	148.1	175.7	175.7	148.1	107.6	70.2	42.3	23.4	11.5	8.7
40		13.7	30.3	60.9	116.8	206.5	300.4	358.7	358.7	300.4	206.5	116.8	60.9	30.3	13.7	
30	10.1	15.7	37.2	84.4	186.9	337.3	484.5	581.4	581.4	484.5	337.3	186.9	84.4	37.2	15.7	10.1
20		17.4	43.4	108.5	254.5	454.1	672.5	830.4	830.4	672.5	454.1	254.5	108.5	43.4	17.4	
10	10.6	18.2	47.2	124.5	293.8	526.7	802.1	1008.2	1008.2	802.1	526.7	293.8	124.5	47.2	18.2	10.6
0		18.2	47.2	124.5	293.8	526.7	802.1	1008.2	1008.2	802.1	526.7	293.8	124.5	47.2	18.2	
-10	10.1	17.4	43.4	108.5	254.5	454.1	672.5	830.4	830.4	672.5	454.1	254.5	108.5	43.4	17.4	10.1
-20		15.7	37.2	84.4	186.9	337.3	484.5	581.4	581.4	484.5	337.3	186.9	84.4	37.2	15.7	
-30	8.7	13.7	30.3	60.9	116.8	206.5	300.4	358.7	358.7	300.4	206.5	116.8	60.9	30.3	13.7	8.7
-40		11.5	23.4	42.3	70.2	107.6	148.1	175.7	175.7	148.1	107.6	70.2	42.3	23.4	11.5	
-50	6.5	9.2	17.5	28.7	43.0	58.6	72.7	81.1	81.1	72.7	58.6	43.0	28.7	17.5	9.2	6.5
-60		6.9	12.3	18.7	26.2	33.5	39.0	41.8	41.8	39.0	33.5	26.2	18.7	12.3	6.9	
-70	2.6	15.9	31.9	48.6	41.7	48.6	31.9	15.9	2.6							
-80		2.6	15.9	31.9	48.6	41.7	48.6	31.9	15.9	2.6						
-90	2.6	15.9	31.9	48.6	41.7	48.6	31.9	15.9	2.6							

REPORT NUMBER: P622285  
CATALOG NUMBER: IFLD-L-SA8A-760-U-66

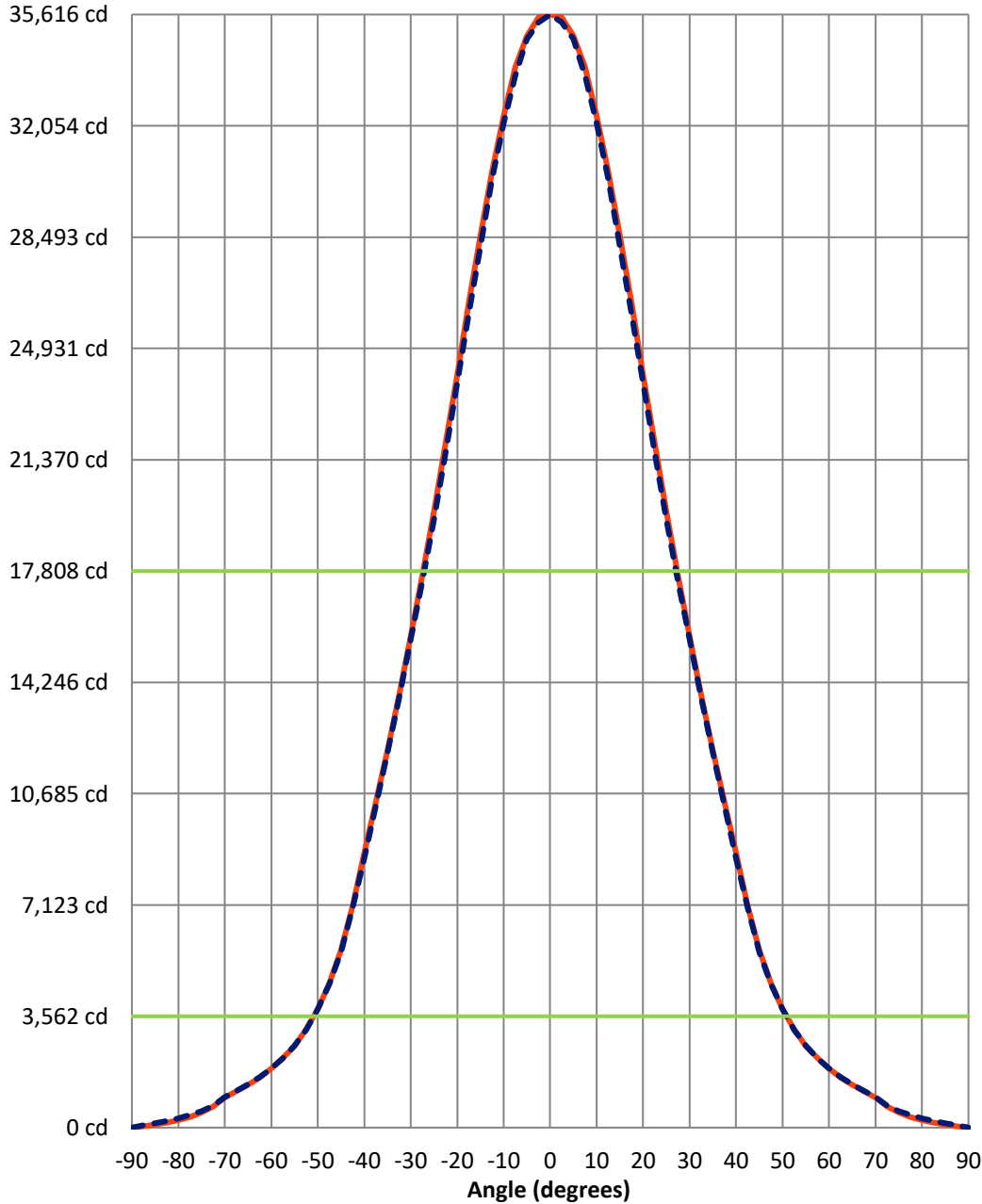
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P622285  
CATALOG NUMBER: IFLD-L-SA8A-760-U-66

### Luminous Intensity Plot



**Beam:**  
H Angle: 54.2°  
V Angle: 54.7°  
Lumens: 17760.7  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 32418.2  
Efficiency: 87.8%

**Spill:**  
Lumens: 4521.5  
Efficiency: 12.2%

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



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

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	30	38	46	49	53	61
85°	0	8	15	27	42	61	80	91	99	110	118
82.5°	0	11	27	42	65	87	118	133	148	163	175
80°	0	15	34	57	84	118	156	175	194	213	228
77.5°	0	19	42	68	106	144	190	216	239	262	285
75°	0	23	49	84	125	167	220	254	285	315	349
72.5°	0	27	57	95	140	190	251	292	326	368	414
70°	0	30	65	110	156	213	281	326	368	417	455
67.5°	0	34	72	118	171	232	304	361	406	452	493
65°	0	34	80	125	182	251	323	391	440	486	535
62.5°	0	38	87	133	194	266	342	417	471	520	577
60°	0	42	91	140	209	281	364	444	497	558	619
57.5°	0	46	95	148	216	292	380	467	531	596	660
55°	0	49	103	156	224	307	395	490	562	630	702
52.5°	0	49	106	159	235	319	410	505	592	668	751
50°	0	53	110	163	243	330	421	524	622	706	793
47.5°	0	57	114	167	247	338	436	543	657	744	839
45°	0	57	118	171	254	349	448	554	679	782	880
42.5°	0	61	118	175	258	357	459	573	698	820	926
40°	0	65	121	182	266	361	471	588	721	858	968
37.5°	0	65	125	186	269	368	478	603	744	884	1006
35°	0	68	129	190	273	372	482	619	763	911	1047
32.5°	0	68	129	197	277	380	490	630	786	941	1085
30°	0	68	133	201	277	380	501	641	805	972	1123
27.5°	0	72	133	201	285	383	509	657	824	1006	1161
25°	0	72	137	205	288	383	512	668	846	1036	1195
22.5°	0	72	137	209	292	387	516	679	869	1063	1233
20°	0	76	140	213	296	391	520	691	892	1085	1264
17.5°	0	76	140	213	300	399	524	698	911	1108	1290
15°	0	80	140	213	300	402	531	702	930	1127	1317
12.5°	0	80	140	216	300	402	535	710	949	1146	1336
10°	0	76	144	216	300	406	539	714	960	1158	1355
7.5°	0	76	144	216	304	406	539	714	972	1169	1366
5°	0	76	140	216	300	410	539	717	987	1180	1378
2.5°	0	76	140	213	300	410	531	710	983	1180	1385
0°	0	76	140	213	296	406	528	702	979	1176	1385
-2.5°	0	76	140	213	300	410	531	710	983	1180	1385
-5°	0	76	140	216	300	410	539	717	987	1180	1378
-7.5°	0	76	144	216	304	406	539	714	972	1169	1366
-10°	0	76	144	216	300	406	539	714	960	1158	1355
-12.5°	0	80	140	216	300	402	535	710	949	1146	1336
-15°	0	80	140	213	300	402	531	702	930	1127	1317
-17.5°	0	76	140	213	300	399	524	698	911	1108	1290
-20°	0	76	140	213	296	391	520	691	892	1085	1264



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	72	137	209	292	387	516	679	869	1063	1233
-25°	0	72	137	205	288	383	512	668	846	1036	1195
-27.5°	0	72	133	201	285	383	509	657	824	1006	1161
-30°	0	68	133	201	277	380	501	641	805	972	1123
-32.5°	0	68	129	197	277	380	490	630	786	941	1085
-35°	0	68	129	190	273	372	482	619	763	911	1047
-37.5°	0	65	125	186	269	368	478	603	744	884	1006
-40°	0	65	121	182	266	361	471	588	721	858	968
-42.5°	0	61	118	175	258	357	459	573	698	820	926
-45°	0	57	118	171	254	349	448	554	679	782	880
-47.5°	0	57	114	167	247	338	436	543	657	744	839
-50°	0	53	110	163	243	330	421	524	622	706	793
-52.5°	0	49	106	159	235	319	410	505	592	668	751
-55°	0	49	103	156	224	307	395	490	562	630	702
-57.5°	0	46	95	148	216	292	380	467	531	596	660
-60°	0	42	91	140	209	281	364	444	497	558	619
-62.5°	0	38	87	133	194	266	342	417	471	520	577
-65°	0	34	80	125	182	251	323	391	440	486	535
-67.5°	0	34	72	118	171	232	304	361	406	452	493
-70°	0	30	65	110	156	213	281	326	368	417	455
-72.5°	0	27	57	95	140	190	251	292	326	368	414
-75°	0	23	49	84	125	167	220	254	285	315	349
-77.5°	0	19	42	68	106	144	190	216	239	262	285
-80°	0	15	34	57	84	118	156	175	194	213	228
-82.5°	0	11	27	42	65	87	118	133	148	163	175
-85°	0	8	15	27	42	61	80	91	99	110	118
-87.5°	0	4	8	15	23	30	38	46	49	53	61
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**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°	65	68	72	72	72	68	65	61	68	76	84
85°	125	137	140	148	144	137	133	125	140	156	175
82.5°	186	197	205	213	213	205	197	186	209	232	258
80°	243	258	273	285	285	273	262	247	273	307	342
77.5°	311	330	345	361	357	353	345	338	364	399	433
75°	380	406	417	433	440	436	436	444	474	516	554
72.5°	440	459	482	509	520	528	547	569	600	634	664
70°	490	512	543	569	592	615	641	672	702	736	767
67.5°	535	569	600	634	664	698	732	767	801	839	877
65°	584	622	660	698	740	782	824	862	903	953	994
62.5°	634	676	721	767	816	865	915	964	1021	1074	1127
60°	679	732	786	843	899	956	1010	1074	1142	1203	1271
57.5°	725	789	850	915	979	1044	1120	1192	1271	1351	1427
55°	774	850	918	991	1063	1146	1230	1321	1408	1510	1605
52.5°	827	907	987	1066	1158	1249	1347	1454	1567	1685	1803
50°	880	968	1055	1150	1252	1359	1476	1602	1738	1875	2019
47.5°	930	1025	1131	1233	1351	1476	1613	1765	1917	2087	2269
45°	983	1085	1199	1325	1454	1602	1765	1932	2125	2319	2531
42.5°	1036	1146	1275	1408	1567	1734	1913	2125	2342	2581	2839
40°	1082	1207	1351	1510	1681	1867	2087	2319	2584	2869	3188
37.5°	1135	1271	1427	1602	1799	2015	2269	2539	2846	3192	3575
35°	1184	1336	1507	1696	1917	2167	2452	2767	3123	3541	4008
32.5°	1233	1400	1583	1791	2034	2319	2641	3013	3435	3913	4497
30°	1283	1457	1655	1882	2156	2478	2850	3264	3749	4353	5047
27.5°	1328	1518	1731	1981	2273	2626	3047	3541	4114	4793	5605
25°	1374	1571	1803	2072	2398	2786	3245	3787	4474	5279	6243
22.5°	1416	1624	1867	2159	2512	2941	3457	4076	4831	5727	6861
20°	1457	1677	1935	2243	2611	3082	3651	4342	5199	6254	7514
17.5°	1491	1727	2000	2330	2732	3226	3829	4607	5533	6740	8144
15°	1526	1769	2057	2406	2839	3370	4023	4839	5886	7199	8691
12.5°	1552	1803	2106	2474	2930	3491	4190	5074	6228	7632	9165
10°	1571	1833	2144	2528	3006	3590	4326	5264	6505	7985	9560
7.5°	1590	1856	2175	2569	3063	3666	4433	5412	6717	8258	9863
5°	1605	1875	2197	2600	3101	3723	4512	5507	6869	8451	10080
2.5°	1617	1890	2216	2626	3131	3784	4584	5609	7013	8615	10273
0°	1617	1894	2216	2626	3127	3795	4596	5617	7032	8611	10300
-2.5°	1617	1890	2216	2626	3131	3784	4584	5609	7013	8615	10273
-5°	1605	1875	2197	2600	3101	3723	4512	5507	6869	8451	10080
-7.5°	1590	1856	2175	2569	3063	3666	4433	5412	6717	8258	9863
-10°	1571	1833	2144	2528	3006	3590	4326	5264	6505	7985	9560
-12.5°	1552	1803	2106	2474	2930	3491	4190	5074	6228	7632	9165
-15°	1526	1769	2057	2406	2839	3370	4023	4839	5886	7199	8691
-17.5°	1491	1727	2000	2330	2732	3226	3829	4607	5533	6740	8144
-20°	1457	1677	1935	2243	2611	3082	3651	4342	5199	6254	7514



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1416	1624	1867	2159	2512	2941	3457	4076	4831	5727	6861
-25°	1374	1571	1803	2072	2398	2786	3245	3787	4474	5279	6243
-27.5°	1328	1518	1731	1981	2273	2626	3047	3541	4114	4793	5605
-30°	1283	1457	1655	1882	2156	2478	2850	3264	3749	4353	5047
-32.5°	1233	1400	1583	1791	2034	2319	2641	3013	3435	3913	4497
-35°	1184	1336	1507	1696	1917	2167	2452	2767	3123	3541	4008
-37.5°	1135	1271	1427	1602	1799	2015	2269	2539	2846	3192	3575
-40°	1082	1207	1351	1510	1681	1867	2087	2319	2584	2869	3188
-42.5°	1036	1146	1275	1408	1567	1734	1913	2125	2342	2581	2839
-45°	983	1085	1199	1325	1454	1602	1765	1932	2125	2319	2531
-47.5°	930	1025	1131	1233	1351	1476	1613	1765	1917	2087	2269
-50°	880	968	1055	1150	1252	1359	1476	1602	1738	1875	2019
-52.5°	827	907	987	1066	1158	1249	1347	1454	1567	1685	1803
-55°	774	850	918	991	1063	1146	1230	1321	1408	1510	1605
-57.5°	725	789	850	915	979	1044	1120	1192	1271	1351	1427
-60°	679	732	786	843	899	956	1010	1074	1142	1203	1271
-62.5°	634	676	721	767	816	865	915	964	1021	1074	1127
-65°	584	622	660	698	740	782	824	862	903	953	994
-67.5°	535	569	600	634	664	698	732	767	801	839	877
-70°	490	512	543	569	592	615	641	672	702	736	767
-72.5°	440	459	482	509	520	528	547	569	600	634	664
-75°	380	406	417	433	440	436	436	444	474	516	554
-77.5°	311	330	345	361	357	353	345	338	364	399	433
-80°	243	258	273	285	285	273	262	247	273	307	342
-82.5°	186	197	205	213	213	205	197	186	209	232	258
-85°	125	137	140	148	144	137	133	125	140	156	175
-87.5°	65	68	72	72	72	68	65	61	68	76	84
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**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°	95	95	95	95	91	95	95	99	103	91	80
85°	190	194	194	194	194	194	194	194	194	175	156
82.5°	285	296	304	315	323	323	319	315	307	277	243
80°	376	395	406	417	429	425	421	414	410	372	334
77.5°	467	490	505	516	528	531	528	528	524	490	448
75°	584	603	619	634	649	657	660	660	660	630	592
72.5°	691	714	736	759	778	789	801	808	816	801	778
70°	801	827	854	880	907	926	941	956	964	968	968
67.5°	915	949	983	1017	1047	1074	1093	1112	1127	1142	1150
65°	1040	1085	1127	1165	1199	1233	1260	1287	1309	1328	1340
62.5°	1180	1233	1283	1332	1370	1412	1454	1491	1522	1548	1567
60°	1336	1400	1461	1522	1583	1632	1685	1731	1769	1803	1833
57.5°	1510	1590	1666	1746	1814	1879	1943	2008	2065	2110	2148
55°	1704	1803	1901	1996	2091	2178	2262	2345	2421	2482	2535
52.5°	1928	2046	2171	2288	2417	2531	2638	2751	2854	2945	3021
50°	2167	2319	2482	2634	2801	2960	3104	3249	3393	3518	3620
47.5°	2448	2630	2842	3051	3256	3472	3674	3863	4061	4228	4368
45°	2751	3006	3256	3537	3795	4087	4364	4641	4884	5127	5332
42.5°	3112	3431	3749	4110	4463	4831	5222	5571	5935	6292	6588
40°	3541	3916	4357	4789	5279	5742	6296	6785	7248	7700	8083
37.5°	4011	4508	5051	5601	6266	6918	7567	8182	8732	9237	9639
35°	4554	5180	5825	6626	7415	8212	8956	9655	10281	10793	11218
32.5°	5176	5916	6808	7738	8653	9537	10425	11116	11768	12353	12854
30°	5837	6801	7840	8880	9878	10839	11734	12565	13324	13981	14542
27.5°	6611	7727	8884	10000	11070	12106	13123	14072	14903	15594	16292
25°	7378	8656	9894	11074	12231	13389	14508	15575	16546	17392	18148
22.5°	8186	9522	10827	12080	13393	14653	15878	17093	18208	19184	20034
20°	8933	10368	11700	13097	14520	15886	17263	18577	19821	20998	21965
17.5°	9601	11062	12516	13988	15541	17089	18584	20007	21427	22797	24003
15°	10197	11730	13222	14827	16501	18167	19833	21400	22998	24516	25867
12.5°	10725	12307	13894	15601	17351	19085	20910	22732	24504	26140	27605
10°	11161	12804	14504	16273	18091	19924	21890	23912	25810	27548	29142
7.5°	11491	13180	14956	16793	18709	20671	22724	24785	26793	28660	30330
5°	11727	13431	15256	17131	19127	21176	23366	25563	27612	29544	31252
2.5°	11939	13654	15514	17317	19351	21476	23669	25946	28041	30026	31927
0°	11996	13746	15624	17476	19453	21586	23821	26045	28193	30349	32136
-2.5°	11939	13654	15514	17317	19351	21476	23669	25946	28041	30026	31927
-5°	11727	13431	15256	17131	19127	21176	23366	25563	27612	29544	31252
-7.5°	11491	13180	14956	16793	18709	20671	22724	24785	26793	28660	30330
-10°	11161	12804	14504	16273	18091	19924	21890	23912	25810	27548	29142
-12.5°	10725	12307	13894	15601	17351	19085	20910	22732	24504	26140	27605
-15°	10197	11730	13222	14827	16501	18167	19833	21400	22998	24516	25867
-17.5°	9601	11062	12516	13988	15541	17089	18584	20007	21427	22797	24003
-20°	8933	10368	11700	13097	14520	15886	17263	18577	19821	20998	21965



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8186	9522	10827	12080	13393	14653	15878	17093	18208	19184	20034
-25°	7378	8656	9894	11074	12231	13389	14508	15575	16546	17392	18148
-27.5°	6611	7727	8884	10000	11070	12106	13123	14072	14903	15594	16292
-30°	5837	6801	7840	8880	9878	10839	11734	12565	13324	13981	14542
-32.5°	5176	5916	6808	7738	8653	9537	10425	11116	11768	12353	12854
-35°	4554	5180	5825	6626	7415	8212	8956	9655	10281	10793	11218
-37.5°	4011	4508	5051	5601	6266	6918	7567	8182	8732	9237	9639
-40°	3541	3916	4357	4789	5279	5742	6296	6785	7248	7700	8083
-42.5°	3112	3431	3749	4110	4463	4831	5222	5571	5935	6292	6588
-45°	2751	3006	3256	3537	3795	4087	4364	4641	4884	5127	5332
-47.5°	2448	2630	2842	3051	3256	3472	3674	3863	4061	4228	4368
-50°	2167	2319	2482	2634	2801	2960	3104	3249	3393	3518	3620
-52.5°	1928	2046	2171	2288	2417	2531	2638	2751	2854	2945	3021
-55°	1704	1803	1901	1996	2091	2178	2262	2345	2421	2482	2535
-57.5°	1510	1590	1666	1746	1814	1879	1943	2008	2065	2110	2148
-60°	1336	1400	1461	1522	1583	1632	1685	1731	1769	1803	1833
-62.5°	1180	1233	1283	1332	1370	1412	1454	1491	1522	1548	1567
-65°	1040	1085	1127	1165	1199	1233	1260	1287	1309	1328	1340
-67.5°	915	949	983	1017	1047	1074	1093	1112	1127	1142	1150
-70°	801	827	854	880	907	926	941	956	964	968	968
-72.5°	691	714	736	759	778	789	801	808	816	801	778
-75°	584	603	619	634	649	657	660	660	660	630	592
-77.5°	467	490	505	516	528	531	528	528	524	490	448
-80°	376	395	406	417	429	425	421	414	410	372	334
-82.5°	285	296	304	315	323	323	319	315	307	277	243
-85°	190	194	194	194	194	194	194	194	194	175	156
-87.5°	95	95	95	95	91	95	95	99	103	91	80
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-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°	65	53	49	42	49	53	65	80	91	103	99
85°	133	110	106	99	106	110	133	156	175	194	194
82.5°	213	175	167	159	167	175	213	243	277	307	315
80°	300	254	247	239	247	254	300	334	372	410	414
77.5°	406	364	349	338	349	364	406	448	490	524	528
75°	550	509	497	486	497	509	550	592	630	660	660
72.5°	751	732	702	676	702	732	751	778	801	816	808
70°	972	979	972	960	972	979	972	968	968	964	956
67.5°	1154	1161	1161	1165	1161	1161	1154	1150	1142	1127	1112
65°	1351	1355	1366	1370	1366	1355	1351	1340	1328	1309	1287
62.5°	1579	1590	1598	1598	1598	1590	1579	1567	1548	1522	1491
60°	1852	1867	1886	1890	1886	1867	1852	1833	1803	1769	1731
57.5°	2178	2197	2224	2232	2224	2197	2178	2148	2110	2065	2008
55°	2573	2600	2615	2607	2615	2600	2573	2535	2482	2421	2345
52.5°	3085	3131	3161	3146	3161	3131	3085	3021	2945	2854	2751
50°	3704	3761	3799	3787	3799	3761	3704	3620	3518	3393	3249
47.5°	4478	4558	4622	4626	4622	4558	4478	4368	4228	4061	3863
45°	5495	5613	5700	5685	5700	5613	5495	5332	5127	4884	4641
42.5°	6816	6979	7108	7097	7108	6979	6816	6588	6292	5935	5571
40°	8368	8569	8740	8785	8740	8569	8368	8083	7700	7248	6785
37.5°	9966	10224	10440	10417	10440	10224	9966	9639	9237	8732	8182
35°	11571	11840	12053	12072	12053	11840	11571	11218	10793	10281	9655
32.5°	13252	13552	13802	13837	13802	13552	13252	12854	12353	11768	11116
30°	15005	15366	15666	15726	15666	15366	15005	14542	13981	13324	12565
27.5°	16850	17279	17563	17673	17563	17279	16850	16292	15594	14903	14072
25°	18751	19218	19537	19715	19537	19218	18751	18148	17392	16546	15575
22.5°	20736	21290	21704	21901	21704	21290	20736	20034	19184	18208	17093
20°	22785	23389	23871	24075	23871	23389	22785	21965	20998	19821	18577
17.5°	24872	25609	26144	26406	26144	25609	24872	24003	22797	21427	20007
15°	26899	27681	28261	28542	28261	27681	26899	25867	24516	22998	21400
12.5°	28777	29605	30185	30591	30185	29605	28777	27605	26140	24504	22732
10°	30455	31358	31946	32368	31946	31358	30455	29142	27548	25810	23912
7.5°	31711	32853	33517	33931	33517	32853	31711	30330	28660	26793	24785
5°	32675	33935	34538	34929	34538	33935	32675	31252	29544	27612	25563
2.5°	33381	34375	35130	35521	35130	34375	33381	31927	30026	28041	25946
0°	33658	34827	35362	35616	35362	34827	33658	32136	30349	28193	26045
-2.5°	33381	34375	35130	35521	35130	34375	33381	31927	30026	28041	25946
-5°	32675	33935	34538	34929	34538	33935	32675	31252	29544	27612	25563
-7.5°	31711	32853	33517	33931	33517	32853	31711	30330	28660	26793	24785
-10°	30455	31358	31946	32368	31946	31358	30455	29142	27548	25810	23912
-12.5°	28777	29605	30185	30591	30185	29605	28777	27605	26140	24504	22732
-15°	26899	27681	28261	28542	28261	27681	26899	25867	24516	22998	21400
-17.5°	24872	25609	26144	26406	26144	25609	24872	24003	22797	21427	20007
-20°	22785	23389	23871	24075	23871	23389	22785	21965	20998	19821	18577



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20736	21290	21704	21901	21704	21290	20736	20034	19184	18208	17093
-25°	18751	19218	19537	19715	19537	19218	18751	18148	17392	16546	15575
-27.5°	16850	17279	17563	17673	17563	17279	16850	16292	15594	14903	14072
-30°	15005	15366	15666	15726	15666	15366	15005	14542	13981	13324	12565
-32.5°	13252	13552	13802	13837	13802	13552	13252	12854	12353	11768	11116
-35°	11571	11840	12053	12072	12053	11840	11571	11218	10793	10281	9655
-37.5°	9966	10224	10440	10417	10440	10224	9966	9639	9237	8732	8182
-40°	8368	8569	8740	8785	8740	8569	8368	8083	7700	7248	6785
-42.5°	6816	6979	7108	7097	7108	6979	6816	6588	6292	5935	5571
-45°	5495	5613	5700	5685	5700	5613	5495	5332	5127	4884	4641
-47.5°	4478	4558	4622	4626	4622	4558	4478	4368	4228	4061	3863
-50°	3704	3761	3799	3787	3799	3761	3704	3620	3518	3393	3249
-52.5°	3085	3131	3161	3146	3161	3131	3085	3021	2945	2854	2751
-55°	2573	2600	2615	2607	2615	2600	2573	2535	2482	2421	2345
-57.5°	2178	2197	2224	2232	2224	2197	2178	2148	2110	2065	2008
-60°	1852	1867	1886	1890	1886	1867	1852	1833	1803	1769	1731
-62.5°	1579	1590	1598	1598	1598	1590	1579	1567	1548	1522	1491
-65°	1351	1355	1366	1370	1366	1355	1351	1340	1328	1309	1287
-67.5°	1154	1161	1161	1165	1161	1161	1154	1150	1142	1127	1112
-70°	972	979	972	960	972	979	972	968	968	964	956
-72.5°	751	732	702	676	702	732	751	778	801	816	808
-75°	550	509	497	486	497	509	550	592	630	660	660
-77.5°	406	364	349	338	349	364	406	448	490	524	528
-80°	300	254	247	239	247	254	300	334	372	410	414
-82.5°	213	175	167	159	167	175	213	243	277	307	315
-85°	133	110	106	99	106	110	133	156	175	194	194
-87.5°	65	53	49	42	49	53	65	80	91	103	99
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**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°	95	95	91	95	95	95	95	84	76	68	61
85°	194	194	194	194	194	194	190	175	156	140	125
82.5°	319	323	323	315	304	296	285	258	232	209	186
80°	421	425	429	417	406	395	376	342	307	273	247
77.5°	528	531	528	516	505	490	467	433	399	364	338
75°	660	657	649	634	619	603	584	554	516	474	444
72.5°	801	789	778	759	736	714	691	664	634	600	569
70°	941	926	907	880	854	827	801	767	736	702	672
67.5°	1093	1074	1047	1017	983	949	915	877	839	801	767
65°	1260	1233	1199	1165	1127	1085	1040	994	953	903	862
62.5°	1454	1412	1370	1332	1283	1233	1180	1127	1074	1021	964
60°	1685	1632	1583	1522	1461	1400	1336	1271	1203	1142	1074
57.5°	1943	1879	1814	1746	1666	1590	1510	1427	1351	1271	1192
55°	2262	2178	2091	1996	1901	1803	1704	1605	1510	1408	1321
52.5°	2638	2531	2417	2288	2171	2046	1928	1803	1685	1567	1454
50°	3104	2960	2801	2634	2482	2319	2167	2019	1875	1738	1602
47.5°	3674	3472	3256	3051	2842	2630	2448	2269	2087	1917	1765
45°	4364	4087	3795	3537	3256	3006	2751	2531	2319	2125	1932
42.5°	5222	4831	4463	4110	3749	3431	3112	2839	2581	2342	2125
40°	6296	5742	5279	4789	4357	3916	3541	3188	2869	2584	2319
37.5°	7567	6918	6266	5601	5051	4508	4011	3575	3192	2846	2539
35°	8956	8212	7415	6626	5825	5180	4554	4008	3541	3123	2767
32.5°	10425	9537	8653	7738	6808	5916	5176	4497	3913	3435	3013
30°	11734	10839	9878	8880	7840	6801	5837	5047	4353	3749	3264
27.5°	13123	12106	11070	10000	8884	7727	6611	5605	4793	4114	3541
25°	14508	13389	12231	11074	9894	8656	7378	6243	5279	4474	3787
22.5°	15878	14653	13393	12080	10827	9522	8186	6861	5727	4831	4076
20°	17263	15886	14520	13097	11700	10368	8933	7514	6254	5199	4342
17.5°	18584	17089	15541	13988	12516	11062	9601	8144	6740	5533	4607
15°	19833	18167	16501	14827	13222	11730	10197	8691	7199	5886	4839
12.5°	20910	19085	17351	15601	13894	12307	10725	9165	7632	6228	5074
10°	21890	19924	18091	16273	14504	12804	11161	9560	7985	6505	5264
7.5°	22724	20671	18709	16793	14956	13180	11491	9863	8258	6717	5412
5°	23366	21176	19127	17131	15256	13431	11727	10080	8451	6869	5507
2.5°	23669	21476	19351	17317	15514	13654	11939	10273	8615	7013	5609
0°	23821	21586	19453	17476	15624	13746	11996	10300	8611	7032	5617
-2.5°	23669	21476	19351	17317	15514	13654	11939	10273	8615	7013	5609
-5°	23366	21176	19127	17131	15256	13431	11727	10080	8451	6869	5507
-7.5°	22724	20671	18709	16793	14956	13180	11491	9863	8258	6717	5412
-10°	21890	19924	18091	16273	14504	12804	11161	9560	7985	6505	5264
-12.5°	20910	19085	17351	15601	13894	12307	10725	9165	7632	6228	5074
-15°	19833	18167	16501	14827	13222	11730	10197	8691	7199	5886	4839
-17.5°	18584	17089	15541	13988	12516	11062	9601	8144	6740	5533	4607
-20°	17263	15886	14520	13097	11700	10368	8933	7514	6254	5199	4342





REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15878	14653	13393	12080	10827	9522	8186	6861	5727	4831	4076
-25°	14508	13389	12231	11074	9894	8656	7378	6243	5279	4474	3787
-27.5°	13123	12106	11070	10000	8884	7727	6611	5605	4793	4114	3541
-30°	11734	10839	9878	8880	7840	6801	5837	5047	4353	3749	3264
-32.5°	10425	9537	8653	7738	6808	5916	5176	4497	3913	3435	3013
-35°	8956	8212	7415	6626	5825	5180	4554	4008	3541	3123	2767
-37.5°	7567	6918	6266	5601	5051	4508	4011	3575	3192	2846	2539
-40°	6296	5742	5279	4789	4357	3916	3541	3188	2869	2584	2319
-42.5°	5222	4831	4463	4110	3749	3431	3112	2839	2581	2342	2125
-45°	4364	4087	3795	3537	3256	3006	2751	2531	2319	2125	1932
-47.5°	3674	3472	3256	3051	2842	2630	2448	2269	2087	1917	1765
-50°	3104	2960	2801	2634	2482	2319	2167	2019	1875	1738	1602
-52.5°	2638	2531	2417	2288	2171	2046	1928	1803	1685	1567	1454
-55°	2262	2178	2091	1996	1901	1803	1704	1605	1510	1408	1321
-57.5°	1943	1879	1814	1746	1666	1590	1510	1427	1351	1271	1192
-60°	1685	1632	1583	1522	1461	1400	1336	1271	1203	1142	1074
-62.5°	1454	1412	1370	1332	1283	1233	1180	1127	1074	1021	964
-65°	1260	1233	1199	1165	1127	1085	1040	994	953	903	862
-67.5°	1093	1074	1047	1017	983	949	915	877	839	801	767
-70°	941	926	907	880	854	827	801	767	736	702	672
-72.5°	801	789	778	759	736	714	691	664	634	600	569
-75°	660	657	649	634	619	603	584	554	516	474	444
-77.5°	528	531	528	516	505	490	467	433	399	364	338
-80°	421	425	429	417	406	395	376	342	307	273	247
-82.5°	319	323	323	315	304	296	285	258	232	209	186
-85°	194	194	194	194	194	194	190	175	156	140	125
-87.5°	95	95	91	95	95	95	95	84	76	68	61
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**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°	65	68	72	72	72	68	65	61	53	49	46
85°	133	137	144	148	140	137	125	118	110	99	91
82.5°	197	205	213	213	205	197	186	175	163	148	133
80°	262	273	285	285	273	258	243	228	213	194	175
77.5°	345	353	357	361	345	330	311	285	262	239	216
75°	436	436	440	433	417	406	380	349	315	285	254
72.5°	547	528	520	509	482	459	440	414	368	326	292
70°	641	615	592	569	543	512	490	455	417	368	326
67.5°	732	698	664	634	600	569	535	493	452	406	361
65°	824	782	740	698	660	622	584	535	486	440	391
62.5°	915	865	816	767	721	676	634	577	520	471	417
60°	1010	956	899	843	786	732	679	619	558	497	444
57.5°	1120	1044	979	915	850	789	725	660	596	531	467
55°	1230	1146	1063	991	918	850	774	702	630	562	490
52.5°	1347	1249	1158	1066	987	907	827	751	668	592	505
50°	1476	1359	1252	1150	1055	968	880	793	706	622	524
47.5°	1613	1476	1351	1233	1131	1025	930	839	744	657	543
45°	1765	1602	1454	1325	1199	1085	983	880	782	679	554
42.5°	1913	1734	1567	1408	1275	1146	1036	926	820	698	573
40°	2087	1867	1681	1510	1351	1207	1082	968	858	721	588
37.5°	2269	2015	1799	1602	1427	1271	1135	1006	884	744	603
35°	2452	2167	1917	1696	1507	1336	1184	1047	911	763	619
32.5°	2641	2319	2034	1791	1583	1400	1233	1085	941	786	630
30°	2850	2478	2156	1882	1655	1457	1283	1123	972	805	641
27.5°	3047	2626	2273	1981	1731	1518	1328	1161	1006	824	657
25°	3245	2786	2398	2072	1803	1571	1374	1195	1036	846	668
22.5°	3457	2941	2512	2159	1867	1624	1416	1233	1063	869	679
20°	3651	3082	2611	2243	1935	1677	1457	1264	1085	892	691
17.5°	3829	3226	2732	2330	2000	1727	1491	1290	1108	911	698
15°	4023	3370	2839	2406	2057	1769	1526	1317	1127	930	702
12.5°	4190	3491	2930	2474	2106	1803	1552	1336	1146	949	710
10°	4326	3590	3006	2528	2144	1833	1571	1355	1158	960	714
7.5°	4433	3666	3063	2569	2175	1856	1590	1366	1169	972	714
5°	4512	3723	3101	2600	2197	1875	1605	1378	1180	987	717
2.5°	4584	3784	3131	2626	2216	1890	1617	1385	1180	983	710
0°	4596	3795	3127	2626	2216	1894	1617	1385	1176	979	702
-2.5°	4584	3784	3131	2626	2216	1890	1617	1385	1180	983	710
-5°	4512	3723	3101	2600	2197	1875	1605	1378	1180	987	717
-7.5°	4433	3666	3063	2569	2175	1856	1590	1366	1169	972	714
-10°	4326	3590	3006	2528	2144	1833	1571	1355	1158	960	714
-12.5°	4190	3491	2930	2474	2106	1803	1552	1336	1146	949	710
-15°	4023	3370	2839	2406	2057	1769	1526	1317	1127	930	702
-17.5°	3829	3226	2732	2330	2000	1727	1491	1290	1108	911	698
-20°	3651	3082	2611	2243	1935	1677	1457	1264	1085	892	691



REPORT NUMBER: P622285  
 CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3457	2941	2512	2159	1867	1624	1416	1233	1063	869	679
-25°	3245	2786	2398	2072	1803	1571	1374	1195	1036	846	668
-27.5°	3047	2626	2273	1981	1731	1518	1328	1161	1006	824	657
-30°	2850	2478	2156	1882	1655	1457	1283	1123	972	805	641
-32.5°	2641	2319	2034	1791	1583	1400	1233	1085	941	786	630
-35°	2452	2167	1917	1696	1507	1336	1184	1047	911	763	619
-37.5°	2269	2015	1799	1602	1427	1271	1135	1006	884	744	603
-40°	2087	1867	1681	1510	1351	1207	1082	968	858	721	588
-42.5°	1913	1734	1567	1408	1275	1146	1036	926	820	698	573
-45°	1765	1602	1454	1325	1199	1085	983	880	782	679	554
-47.5°	1613	1476	1351	1233	1131	1025	930	839	744	657	543
-50°	1476	1359	1252	1150	1055	968	880	793	706	622	524
-52.5°	1347	1249	1158	1066	987	907	827	751	668	592	505
-55°	1230	1146	1063	991	918	850	774	702	630	562	490
-57.5°	1120	1044	979	915	850	789	725	660	596	531	467
-60°	1010	956	899	843	786	732	679	619	558	497	444
-62.5°	915	865	816	767	721	676	634	577	520	471	417
-65°	824	782	740	698	660	622	584	535	486	440	391
-67.5°	732	698	664	634	600	569	535	493	452	406	361
-70°	641	615	592	569	543	512	490	455	417	368	326
-72.5°	547	528	520	509	482	459	440	414	368	326	292
-75°	436	436	440	433	417	406	380	349	315	285	254
-77.5°	345	353	357	361	345	330	311	285	262	239	216
-80°	262	273	285	285	273	258	243	228	213	194	175
-82.5°	197	205	213	213	205	197	186	175	163	148	133
-85°	133	137	144	148	140	137	125	118	110	99	91
-87.5°	65	68	72	72	72	68	65	61	53	49	46
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622285

CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	38	30	23	15	8	4	0
85°	80	61	42	27	15	8	0
82.5°	118	87	65	42	27	11	0
80°	156	118	84	57	34	15	0
77.5°	190	144	106	68	42	19	0
75°	220	167	125	84	49	23	0
72.5°	251	190	140	95	57	27	0
70°	281	213	156	110	65	30	0
67.5°	304	232	171	118	72	34	0
65°	323	251	182	125	80	34	0
62.5°	342	266	194	133	87	38	0
60°	364	281	209	140	91	42	0
57.5°	380	292	216	148	95	46	0
55°	395	307	224	156	103	49	0
52.5°	410	319	235	159	106	49	0
50°	421	330	243	163	110	53	0
47.5°	436	338	247	167	114	57	0
45°	448	349	254	171	118	57	0
42.5°	459	357	258	175	118	61	0
40°	471	361	266	182	121	65	0
37.5°	478	368	269	186	125	65	0
35°	482	372	273	190	129	68	0
32.5°	490	380	277	197	129	68	0
30°	501	380	277	201	133	68	0
27.5°	509	383	285	201	133	72	0
25°	512	383	288	205	137	72	0
22.5°	516	387	292	209	137	72	0
20°	520	391	296	213	140	76	0
17.5°	524	399	300	213	140	76	0
15°	531	402	300	213	140	80	0
12.5°	535	402	300	216	140	80	0
10°	539	406	300	216	144	76	0
7.5°	539	406	304	216	144	76	0
5°	539	410	300	216	140	76	0
2.5°	531	410	300	213	140	76	0
0°	528	406	296	213	140	76	0
-2.5°	531	410	300	213	140	76	0
-5°	539	410	300	216	140	76	0
-7.5°	539	406	304	216	144	76	0
-10°	539	406	300	216	144	76	0
-12.5°	535	402	300	216	140	80	0
-15°	531	402	300	213	140	80	0
-17.5°	524	399	300	213	140	76	0
-20°	520	391	296	213	140	76	0



REPORT NUMBER: P622285

CATALOG NUMBER: IFLD-L-SA8A-760-U-66

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	516	387	292	209	137	72	0
-25°	512	383	288	205	137	72	0
-27.5°	509	383	285	201	133	72	0
-30°	501	380	277	201	133	68	0
-32.5°	490	380	277	197	129	68	0
-35°	482	372	273	190	129	68	0
-37.5°	478	368	269	186	125	65	0
-40°	471	361	266	182	121	65	0
-42.5°	459	357	258	175	118	61	0
-45°	448	349	254	171	118	57	0
-47.5°	436	338	247	167	114	57	0
-50°	421	330	243	163	110	53	0
-52.5°	410	319	235	159	106	49	0
-55°	395	307	224	156	103	49	0
-57.5°	380	292	216	148	95	46	0
-60°	364	281	209	140	91	42	0
-62.5°	342	266	194	133	87	38	0
-65°	323	251	182	125	80	34	0
-67.5°	304	232	171	118	72	34	0
-70°	281	213	156	110	65	30	0
-72.5°	251	190	140	95	57	27	0
-75°	220	167	125	84	49	23	0
-77.5°	190	144	106	68	42	19	0
-80°	156	118	84	57	34	15	0
-82.5°	118	87	65	42	27	11	0
-85°	80	61	42	27	15	8	0
-87.5°	38	30	23	15	8	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)