

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: P622163

Luminaire Tested: **IFLD-M-SA4E-730-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622163
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-730-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

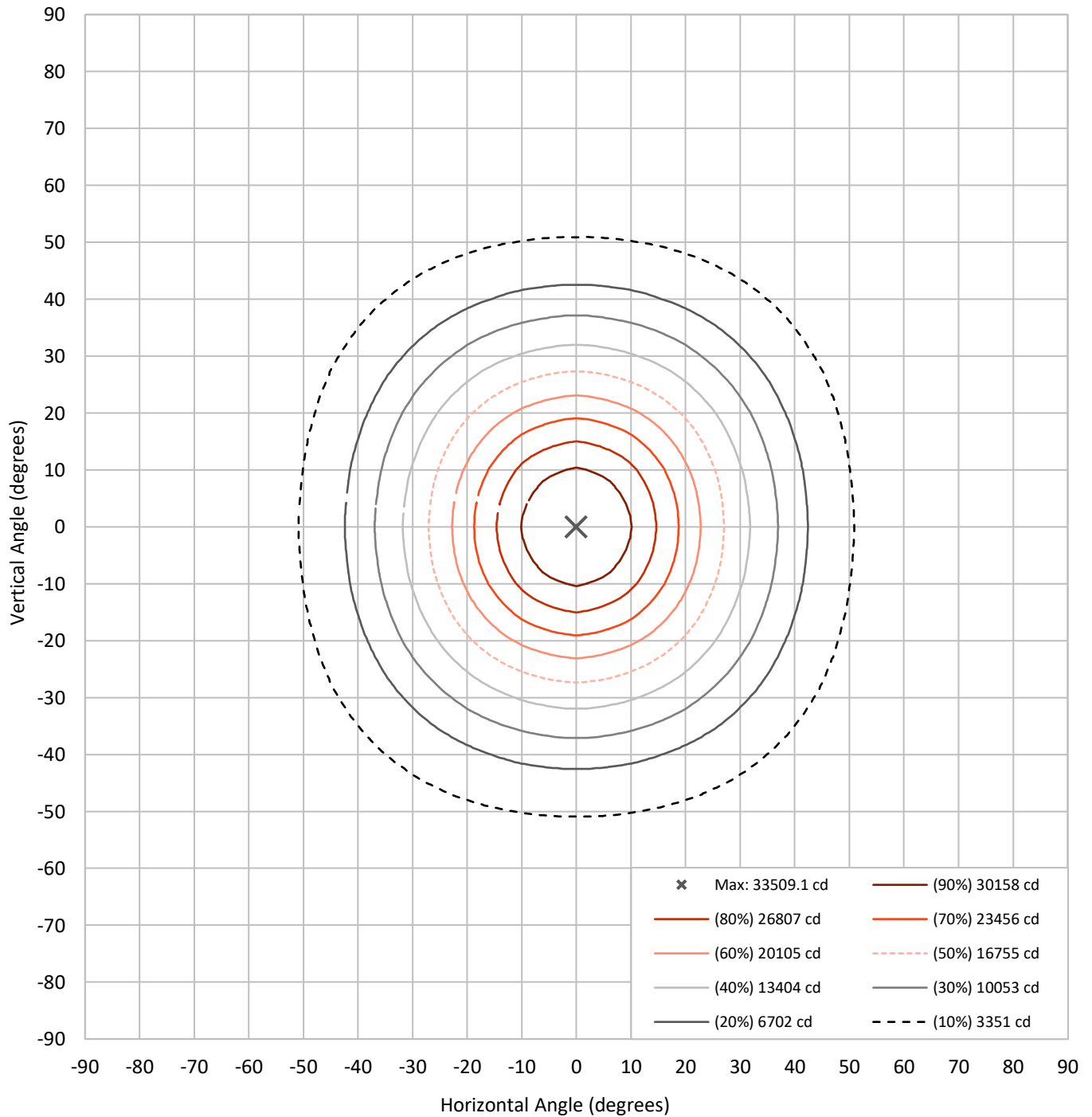
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34754.5 lumens	Max Intensity:	33509.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.4 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' 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:	16710.1 lumens	Field Lumens:	30500.5 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	314.8		
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: P622163
CATALOG NUMBER: IFLD-M-SA4E-730-U-66

Iso-Candela Plot





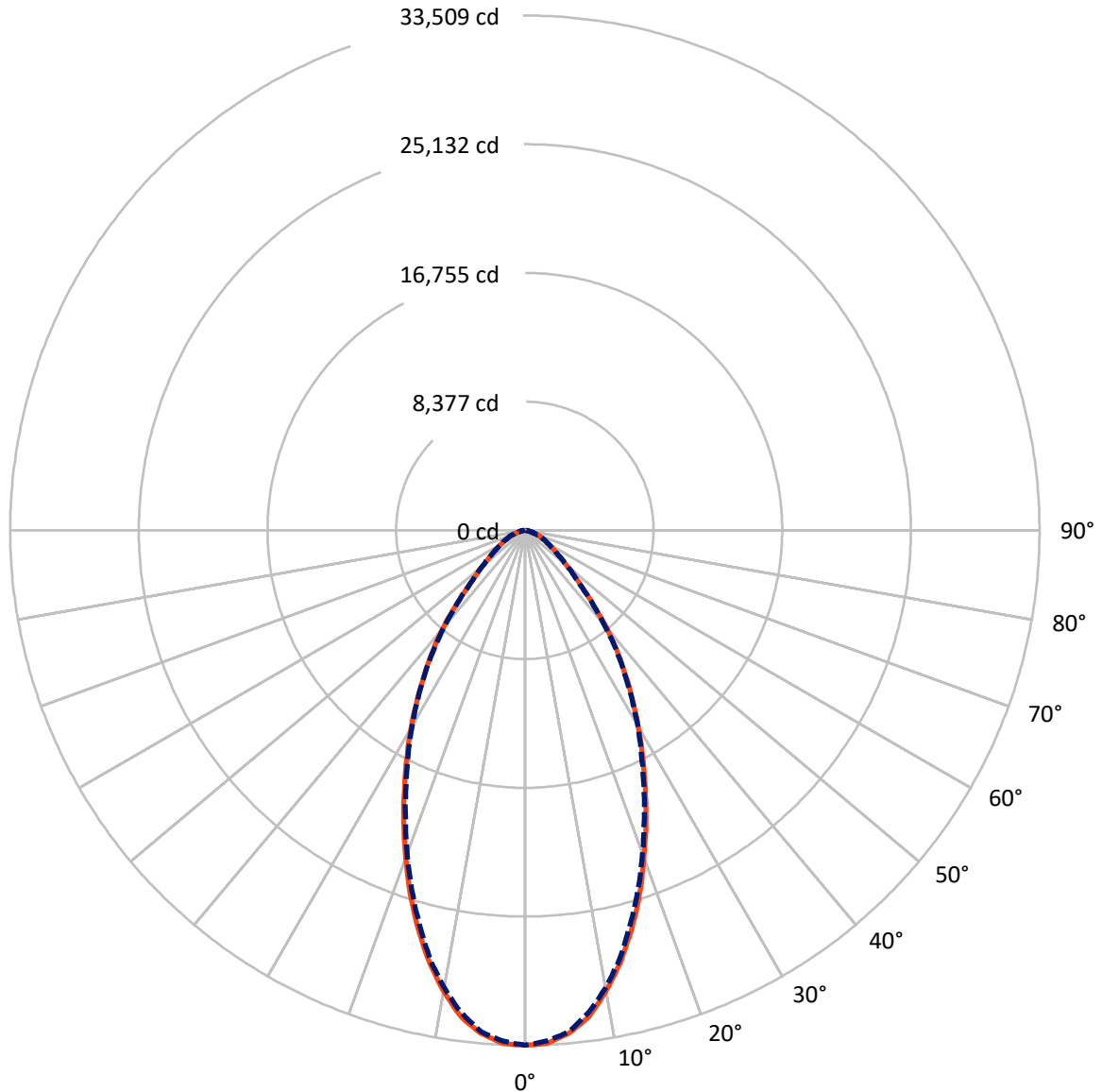
REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

Lumen Table

90	2.4	14.9	30.0	45.7	39.2	45.7	30.0	14.9	2.4							
80	2.4	14.9	30.0	45.7	39.2	45.7	30.0	14.9	2.4							
70	6.1	6.5	11.6	17.6	24.7	31.5	36.7	39.4	39.4	36.7	31.5	24.7	17.6	11.6	6.5	6.1
60		8.6	16.4	27.0	40.5	55.2	68.4	76.3	76.3	68.4	55.2	40.5	27.0	16.4	8.6	
50	8.2	10.8	22.0	39.8	66.0	101.2	139.4	165.3	165.3	139.4	101.2	66.0	39.8	22.0	10.8	8.2
40		12.9	28.5	57.3	109.9	194.3	282.6	337.5	337.5	282.6	194.3	109.9	57.3	28.5	12.9	
30	9.5	14.8	35.0	79.4	175.8	317.3	455.8	547.0	547.0	455.8	317.3	175.8	79.4	35.0	14.8	9.5
20		16.3	40.9	102.1	239.5	427.3	632.8	781.3	781.3	632.8	427.3	239.5	102.1	40.9	16.3	
10	9.9	17.2	44.4	117.1	276.5	495.6	754.7	948.6	948.6	754.7	495.6	276.5	117.1	44.4	17.2	9.9
0		17.2	44.4	117.1	276.5	495.6	754.7	948.6	948.6	754.7	495.6	276.5	117.1	44.4	17.2	
-10	9.5	16.3	40.9	102.1	239.5	427.3	632.8	781.3	781.3	632.8	427.3	239.5	102.1	40.9	16.3	9.5
-20		14.8	35.0	79.4	175.8	317.3	455.8	547.0	547.0	455.8	317.3	175.8	79.4	35.0	14.8	
-30	8.2	12.9	28.5	57.3	109.9	194.3	282.6	337.5	337.5	282.6	194.3	109.9	57.3	28.5	12.9	8.2
-40		10.8	22.0	39.8	66.0	101.2	139.4	165.3	165.3	139.4	101.2	66.0	39.8	22.0	10.8	
-50	6.1	8.6	16.4	27.0	40.5	55.2	68.4	76.3	76.3	68.4	55.2	40.5	27.0	16.4	8.6	6.1
-60		6.5	11.6	17.6	24.7	31.5	36.7	39.4	39.4	36.7	31.5	24.7	17.6	11.6	6.5	
-70	2.4	14.9	30.0	45.7	39.2	45.7	30.0	14.9	2.4							
-80		2.4	14.9	30.0	45.7	39.2	45.7	30.0	14.9	2.4						
-90	2.4	14.9	30.0	45.7	39.2	45.7	30.0	14.9	2.4							

REPORT NUMBER: P622163
CATALOG NUMBER: IFLD-M-SA4E-730-U-66

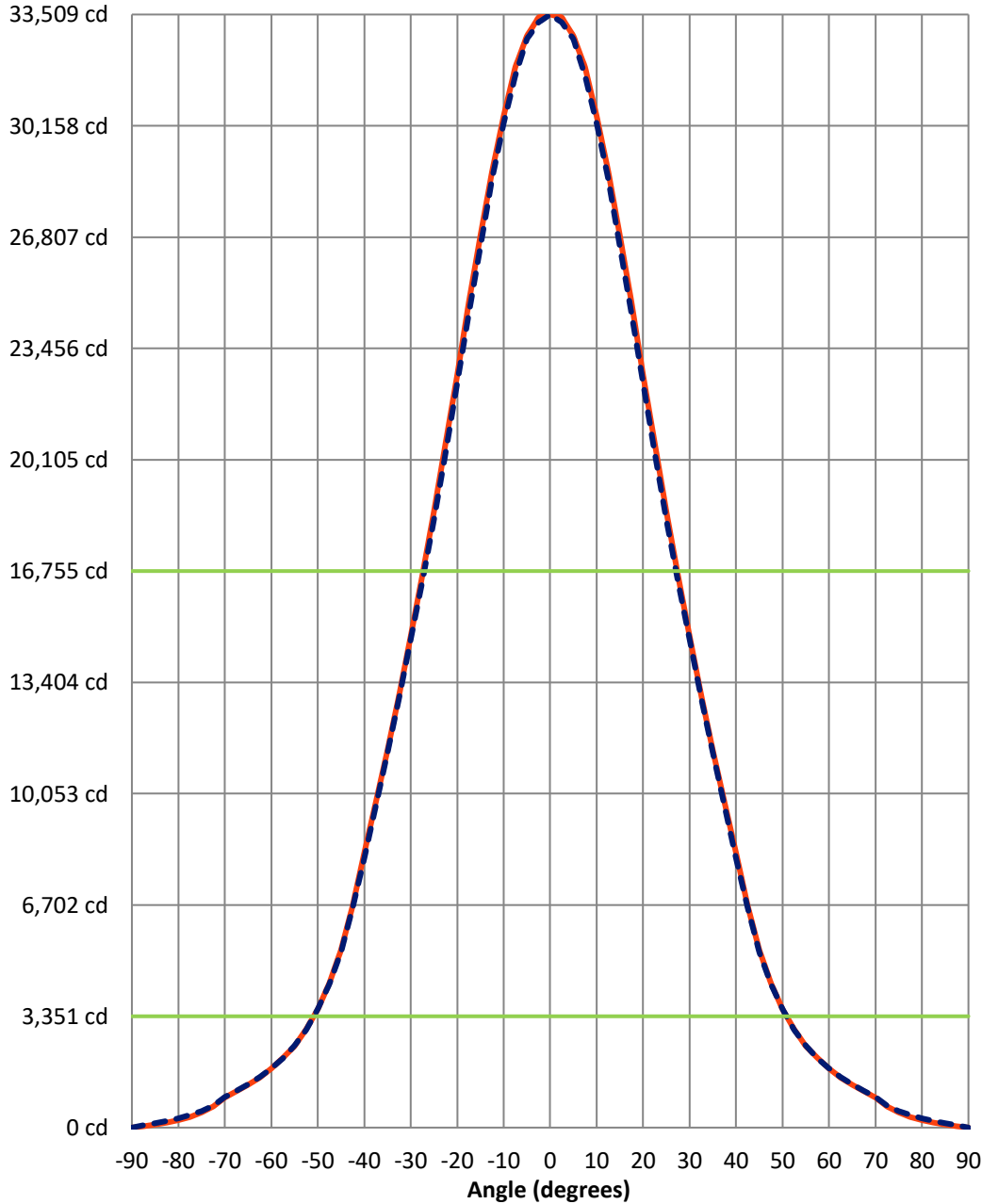
Luminous Intensity Polar Plot



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

REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

Luminous Intensity Plot



Beam:
 H Angle: 54.2°
 V Angle: 54.7°
 Lumens: 16710.1
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 30500.5
 Efficiency: 87.8%

Spill:
 Lumens: 4254
 Efficiency: 12.2%

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



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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	7	14	21	29	36	43	46	50	57
85°	0	7	14	25	39	57	75	86	93	104	111
82.5°	0	11	25	39	61	82	111	125	139	154	164
80°	0	14	32	54	79	111	146	164	182	200	214
77.5°	0	18	39	64	100	136	179	204	225	246	268
75°	0	21	46	79	118	157	207	239	268	296	329
72.5°	0	25	54	89	132	179	236	275	307	346	389
70°	0	29	61	104	146	200	264	307	346	393	429
67.5°	0	32	68	111	161	218	286	339	382	425	464
65°	0	32	75	118	171	236	304	368	414	457	503
62.5°	0	36	82	125	182	250	321	393	443	489	543
60°	0	39	86	132	196	264	343	418	468	525	582
57.5°	0	43	89	139	204	275	357	439	500	561	621
55°	0	46	96	146	211	289	371	461	528	593	661
52.5°	0	46	100	150	221	300	386	475	557	628	707
50°	0	50	104	154	229	311	396	493	586	664	746
47.5°	0	54	107	157	232	318	411	511	618	700	789
45°	0	54	111	161	239	329	421	521	639	736	828
42.5°	0	57	111	164	243	336	432	539	657	771	871
40°	0	61	114	171	250	339	443	553	678	807	911
37.5°	0	61	118	175	254	346	450	568	700	832	946
35°	0	64	121	179	257	350	454	582	718	857	986
32.5°	0	64	121	186	261	357	461	593	739	886	1021
30°	0	64	125	189	261	357	471	603	757	914	1057
27.5°	0	68	125	189	268	361	478	618	775	946	1093
25°	0	68	129	193	271	361	482	628	796	975	1125
22.5°	0	68	129	196	275	364	486	639	818	1000	1160
20°	0	71	132	200	279	368	489	650	839	1021	1189
17.5°	0	71	132	200	282	375	493	657	857	1043	1214
15°	0	75	132	200	282	379	500	661	875	1060	1239
12.5°	0	75	132	204	282	379	503	668	893	1078	1257
10°	0	71	136	204	282	382	507	671	903	1089	1275
7.5°	0	71	136	204	286	382	507	671	914	1100	1285
5°	0	71	132	204	282	386	507	675	928	1110	1296
2.5°	0	71	132	200	282	386	500	668	925	1110	1303
0°	0	71	132	200	279	382	496	661	921	1107	1303
-2.5°	0	71	132	200	282	386	500	668	925	1110	1303
-5°	0	71	132	204	282	386	507	675	928	1110	1296
-7.5°	0	71	136	204	286	382	507	671	914	1100	1285
-10°	0	71	136	204	282	382	507	671	903	1089	1275
-12.5°	0	75	132	204	282	379	503	668	893	1078	1257
-15°	0	75	132	200	282	379	500	661	875	1060	1239
-17.5°	0	71	132	200	282	375	493	657	857	1043	1214
-20°	0	71	132	200	279	368	489	650	839	1021	1189



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	68	129	196	275	364	486	639	818	1000	1160
-25°	0	68	129	193	271	361	482	628	796	975	1125
-27.5°	0	68	125	189	268	361	478	618	775	946	1093
-30°	0	64	125	189	261	357	471	603	757	914	1057
-32.5°	0	64	121	186	261	357	461	593	739	886	1021
-35°	0	64	121	179	257	350	454	582	718	857	986
-37.5°	0	61	118	175	254	346	450	568	700	832	946
-40°	0	61	114	171	250	339	443	553	678	807	911
-42.5°	0	57	111	164	243	336	432	539	657	771	871
-45°	0	54	111	161	239	329	421	521	639	736	828
-47.5°	0	54	107	157	232	318	411	511	618	700	789
-50°	0	50	104	154	229	311	396	493	586	664	746
-52.5°	0	46	100	150	221	300	386	475	557	628	707
-55°	0	46	96	146	211	289	371	461	528	593	661
-57.5°	0	43	89	139	204	275	357	439	500	561	621
-60°	0	39	86	132	196	264	343	418	468	525	582
-62.5°	0	36	82	125	182	250	321	393	443	489	543
-65°	0	32	75	118	171	236	304	368	414	457	503
-67.5°	0	32	68	111	161	218	286	339	382	425	464
-70°	0	29	61	104	146	200	264	307	346	393	429
-72.5°	0	25	54	89	132	179	236	275	307	346	389
-75°	0	21	46	79	118	157	207	239	268	296	329
-77.5°	0	18	39	64	100	136	179	204	225	246	268
-80°	0	14	32	54	79	111	146	164	182	200	214
-82.5°	0	11	25	39	61	82	111	125	139	154	164
-85°	0	7	14	25	39	57	75	86	93	104	111
-87.5°	0	4	7	14	21	29	36	43	46	50	57
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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°	61	64	68	68	68	64	61	57	64	71	79
85°	118	129	132	139	136	129	125	118	132	146	164
82.5°	175	186	193	200	200	193	186	175	196	218	243
80°	229	243	257	268	268	257	246	232	257	289	321
77.5°	293	311	325	339	336	332	325	318	343	375	407
75°	357	382	393	407	414	411	411	418	446	486	521
72.5°	414	432	454	478	489	496	514	536	564	596	625
70°	461	482	511	536	557	578	603	632	661	693	721
67.5°	503	536	564	596	625	657	689	721	753	789	825
65°	550	586	621	657	696	736	775	811	850	896	936
62.5°	596	636	678	721	768	814	861	907	961	1011	1060
60°	639	689	739	793	846	900	950	1011	1075	1132	1196
57.5°	682	743	800	861	921	982	1053	1121	1196	1271	1343
55°	728	800	864	932	1000	1078	1157	1243	1325	1421	1510
52.5°	778	853	928	1003	1089	1175	1268	1368	1475	1585	1696
50°	828	911	993	1082	1178	1278	1389	1507	1635	1764	1900
47.5°	875	964	1064	1160	1271	1389	1518	1660	1803	1964	2135
45°	925	1021	1128	1246	1368	1507	1660	1817	2000	2182	2382
42.5°	975	1078	1200	1325	1475	1632	1800	2000	2203	2428	2671
40°	1018	1135	1271	1421	1582	1757	1964	2182	2432	2699	2999
37.5°	1068	1196	1343	1507	1692	1896	2135	2389	2678	3003	3363
35°	1114	1257	1418	1596	1803	2039	2307	2603	2939	3331	3770
32.5°	1160	1318	1489	1685	1914	2182	2485	2835	3231	3681	4231
30°	1207	1371	1557	1771	2028	2332	2681	3071	3528	4095	4749
27.5°	1250	1428	1628	1864	2139	2471	2867	3331	3870	4510	5274
25°	1293	1478	1696	1950	2257	2621	3053	3563	4210	4967	5874
22.5°	1332	1528	1757	2032	2364	2767	3253	3835	4545	5388	6456
20°	1371	1578	1821	2110	2457	2899	3435	4085	4892	5884	7070
17.5°	1403	1625	1882	2192	2571	3035	3603	4335	5206	6341	7662
15°	1435	1664	1935	2264	2671	3171	3785	4552	5538	6773	8176
12.5°	1460	1696	1982	2328	2756	3285	3942	4774	5859	7180	8623
10°	1478	1725	2017	2378	2828	3378	4070	4952	6120	7512	8994
7.5°	1496	1746	2046	2417	2881	3449	4170	5092	6320	7769	9280
5°	1510	1764	2067	2446	2917	3503	4245	5181	6463	7952	9483
2.5°	1521	1778	2085	2471	2946	3560	4313	5277	6598	8105	9665
0°	1521	1782	2085	2471	2942	3571	4324	5284	6616	8102	9690
-2.5°	1521	1778	2085	2471	2946	3560	4313	5277	6598	8105	9665
-5°	1510	1764	2067	2446	2917	3503	4245	5181	6463	7952	9483
-7.5°	1496	1746	2046	2417	2881	3449	4170	5092	6320	7769	9280
-10°	1478	1725	2017	2378	2828	3378	4070	4952	6120	7512	8994
-12.5°	1460	1696	1982	2328	2756	3285	3942	4774	5859	7180	8623
-15°	1435	1664	1935	2264	2671	3171	3785	4552	5538	6773	8176
-17.5°	1403	1625	1882	2192	2571	3035	3603	4335	5206	6341	7662
-20°	1371	1578	1821	2110	2457	2899	3435	4085	4892	5884	7070



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1332	1528	1757	2032	2364	2767	3253	3835	4545	5388	6456
-25°	1293	1478	1696	1950	2257	2621	3053	3563	4210	4967	5874
-27.5°	1250	1428	1628	1864	2139	2471	2867	3331	3870	4510	5274
-30°	1207	1371	1557	1771	2028	2332	2681	3071	3528	4095	4749
-32.5°	1160	1318	1489	1685	1914	2182	2485	2835	3231	3681	4231
-35°	1114	1257	1418	1596	1803	2039	2307	2603	2939	3331	3770
-37.5°	1068	1196	1343	1507	1692	1896	2135	2389	2678	3003	3363
-40°	1018	1135	1271	1421	1582	1757	1964	2182	2432	2699	2999
-42.5°	975	1078	1200	1325	1475	1632	1800	2000	2203	2428	2671
-45°	925	1021	1128	1246	1368	1507	1660	1817	2000	2182	2382
-47.5°	875	964	1064	1160	1271	1389	1518	1660	1803	1964	2135
-50°	828	911	993	1082	1178	1278	1389	1507	1635	1764	1900
-52.5°	778	853	928	1003	1089	1175	1268	1368	1475	1585	1696
-55°	728	800	864	932	1000	1078	1157	1243	1325	1421	1510
-57.5°	682	743	800	861	921	982	1053	1121	1196	1271	1343
-60°	639	689	739	793	846	900	950	1011	1075	1132	1196
-62.5°	596	636	678	721	768	814	861	907	961	1011	1060
-65°	550	586	621	657	696	736	775	811	850	896	936
-67.5°	503	536	564	596	625	657	689	721	753	789	825
-70°	461	482	511	536	557	578	603	632	661	693	721
-72.5°	414	432	454	478	489	496	514	536	564	596	625
-75°	357	382	393	407	414	411	411	418	446	486	521
-77.5°	293	311	325	339	336	332	325	318	343	375	407
-80°	229	243	257	268	268	257	246	232	257	289	321
-82.5°	175	186	193	200	200	193	186	175	196	218	243
-85°	118	129	132	139	136	129	125	118	132	146	164
-87.5°	61	64	68	68	68	64	61	57	64	71	79
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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°	89	89	89	89	86	89	89	93	96	86	75
85°	179	182	182	182	182	182	182	182	182	164	146
82.5°	268	279	286	296	304	304	300	296	289	261	229
80°	354	371	382	393	404	400	396	389	386	350	314
77.5°	439	461	475	486	496	500	496	496	493	461	421
75°	550	568	582	596	611	618	621	621	621	593	557
72.5°	650	671	693	714	732	743	753	761	768	753	732
70°	753	778	803	828	853	871	886	900	907	911	911
67.5°	861	893	925	957	986	1011	1028	1046	1060	1075	1082
65°	978	1021	1060	1096	1128	1160	1185	1210	1232	1250	1260
62.5°	1110	1160	1207	1253	1289	1328	1368	1403	1432	1457	1475
60°	1257	1318	1375	1432	1489	1535	1585	1628	1664	1696	1725
57.5°	1421	1496	1567	1642	1707	1767	1828	1889	1942	1985	2021
55°	1603	1696	1789	1878	1967	2050	2128	2207	2278	2335	2385
52.5°	1814	1925	2042	2153	2274	2382	2482	2589	2685	2771	2842
50°	2039	2182	2335	2478	2635	2785	2921	3056	3192	3310	3406
47.5°	2303	2474	2674	2871	3064	3267	3456	3635	3820	3978	4110
45°	2589	2828	3064	3328	3571	3845	4106	4367	4595	4824	5017
42.5°	2928	3228	3528	3867	4199	4545	4913	5242	5584	5920	6198
40°	3331	3685	4099	4506	4967	5402	5924	6384	6820	7245	7605
37.5°	3774	4242	4752	5270	5895	6509	7120	7698	8216	8691	9069
35°	4285	4874	5481	6234	6977	7727	8426	9083	9673	10155	10554
32.5°	4870	5566	6406	7280	8141	8973	9808	10458	11072	11622	12093
30°	5491	6398	7377	8355	9294	10197	11040	11822	12536	13154	13682
27.5°	6220	7270	8359	9408	10415	11390	12347	13239	14021	14671	15328
25°	6941	8144	9308	10419	11508	12597	13650	14653	15567	16364	17074
22.5°	7702	8958	10187	11365	12600	13786	14939	16082	17131	18049	18849
20°	8405	9755	11008	12322	13661	14946	16242	17478	18649	19756	20666
17.5°	9033	10408	11776	13161	14621	16078	17485	18824	20159	21448	22583
15°	9594	11036	12440	13950	15525	17092	18659	20134	21637	23065	24337
12.5°	10090	11579	13072	14678	16324	17956	19674	21387	23055	24594	25972
10°	10501	12047	13646	15310	17021	18745	20595	22498	24283	25918	27418
7.5°	10812	12400	14071	15800	17603	19449	21380	23319	25208	26964	28535
5°	11033	12636	14353	16117	17995	19923	21984	24051	25979	27796	29403
2.5°	11233	12847	14596	16292	18206	20206	22269	24412	26382	28250	30039
0°	11286	12932	14700	16442	18302	20309	22412	24504	26525	28553	30235
-2.5°	11233	12847	14596	16292	18206	20206	22269	24412	26382	28250	30039
-5°	11033	12636	14353	16117	17995	19923	21984	24051	25979	27796	29403
-7.5°	10812	12400	14071	15800	17603	19449	21380	23319	25208	26964	28535
-10°	10501	12047	13646	15310	17021	18745	20595	22498	24283	25918	27418
-12.5°	10090	11579	13072	14678	16324	17956	19674	21387	23055	24594	25972
-15°	9594	11036	12440	13950	15525	17092	18659	20134	21637	23065	24337
-17.5°	9033	10408	11776	13161	14621	16078	17485	18824	20159	21448	22583
-20°	8405	9755	11008	12322	13661	14946	16242	17478	18649	19756	20666



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7702	8958	10187	11365	12600	13786	14939	16082	17131	18049	18849
-25°	6941	8144	9308	10419	11508	12597	13650	14653	15567	16364	17074
-27.5°	6220	7270	8359	9408	10415	11390	12347	13239	14021	14671	15328
-30°	5491	6398	7377	8355	9294	10197	11040	11822	12536	13154	13682
-32.5°	4870	5566	6406	7280	8141	8973	9808	10458	11072	11622	12093
-35°	4285	4874	5481	6234	6977	7727	8426	9083	9673	10155	10554
-37.5°	3774	4242	4752	5270	5895	6509	7120	7698	8216	8691	9069
-40°	3331	3685	4099	4506	4967	5402	5924	6384	6820	7245	7605
-42.5°	2928	3228	3528	3867	4199	4545	4913	5242	5584	5920	6198
-45°	2589	2828	3064	3328	3571	3845	4106	4367	4595	4824	5017
-47.5°	2303	2474	2674	2871	3064	3267	3456	3635	3820	3978	4110
-50°	2039	2182	2335	2478	2635	2785	2921	3056	3192	3310	3406
-52.5°	1814	1925	2042	2153	2274	2382	2482	2589	2685	2771	2842
-55°	1603	1696	1789	1878	1967	2050	2128	2207	2278	2335	2385
-57.5°	1421	1496	1567	1642	1707	1767	1828	1889	1942	1985	2021
-60°	1257	1318	1375	1432	1489	1535	1585	1628	1664	1696	1725
-62.5°	1110	1160	1207	1253	1289	1328	1368	1403	1432	1457	1475
-65°	978	1021	1060	1096	1128	1160	1185	1210	1232	1250	1260
-67.5°	861	893	925	957	986	1011	1028	1046	1060	1075	1082
-70°	753	778	803	828	853	871	886	900	907	911	911
-72.5°	650	671	693	714	732	743	753	761	768	753	732
-75°	550	568	582	596	611	618	621	621	621	593	557
-77.5°	439	461	475	486	496	500	496	496	493	461	421
-80°	354	371	382	393	404	400	396	389	386	350	314
-82.5°	268	279	286	296	304	304	300	296	289	261	229
-85°	179	182	182	182	182	182	182	182	182	164	146
-87.5°	89	89	89	89	86	89	89	93	96	86	75
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	61	50	46	39	46	50	61	75	86	96	93
85°	125	104	100	93	100	104	125	146	164	182	182
82.5°	200	164	157	150	157	164	200	229	261	289	296
80°	282	239	232	225	232	239	282	314	350	386	389
77.5°	382	343	329	318	329	343	382	421	461	493	496
75°	518	478	468	457	468	478	518	557	593	621	621
72.5°	707	689	661	636	661	689	707	732	753	768	761
70°	914	921	914	903	914	921	914	911	911	907	900
67.5°	1085	1093	1093	1096	1093	1093	1085	1082	1075	1060	1046
65°	1271	1275	1285	1289	1285	1275	1271	1260	1250	1232	1210
62.5°	1485	1496	1503	1503	1503	1496	1485	1475	1457	1432	1403
60°	1742	1757	1775	1778	1775	1757	1742	1725	1696	1664	1628
57.5°	2050	2067	2092	2100	2092	2067	2050	2021	1985	1942	1889
55°	2421	2446	2460	2453	2460	2446	2421	2385	2335	2278	2207
52.5°	2903	2946	2974	2960	2974	2946	2903	2842	2771	2685	2589
50°	3485	3538	3574	3563	3574	3538	3485	3406	3310	3192	3056
47.5°	4213	4288	4349	4352	4349	4288	4213	4110	3978	3820	3635
45°	5170	5281	5363	5349	5363	5281	5170	5017	4824	4595	4367
42.5°	6413	6566	6688	6677	6688	6566	6413	6198	5920	5584	5242
40°	7873	8062	8223	8266	8223	8062	7873	7605	7245	6820	6384
37.5°	9376	9619	9822	9801	9822	9619	9376	9069	8691	8216	7698
35°	10887	11140	11340	11358	11340	11140	10887	10554	10155	9673	9083
32.5°	12468	12750	12986	13018	12986	12750	12468	12093	11622	11072	10458
30°	14118	14457	14739	14796	14739	14457	14118	13682	13154	12536	11822
27.5°	15853	16257	16524	16628	16524	16257	15853	15328	14671	14021	13239
25°	17642	18081	18381	18549	18381	18081	17642	17074	16364	15567	14653
22.5°	19509	20031	20420	20605	20420	20031	19509	18849	18049	17131	16082
20°	21437	22005	22458	22651	22458	22005	21437	20666	19756	18649	17478
17.5°	23401	24094	24597	24844	24597	24094	23401	22583	21448	20159	18824
15°	25308	26043	26590	26854	26590	26043	25308	24337	23065	21637	20134
12.5°	27075	27854	28400	28782	28400	27854	27075	25972	24594	23055	21387
10°	28653	29503	30057	30453	30057	29503	28653	27418	25918	24283	22498
7.5°	29835	30910	31535	31924	31535	30910	29835	28535	26964	25208	23319
5°	30742	31927	32495	32863	32495	31927	30742	29403	27796	25979	24051
2.5°	31406	32342	33052	33420	33052	32342	31406	30039	28250	26382	24412
0°	31667	32767	33270	33509	33270	32767	31667	30235	28553	26525	24504
-2.5°	31406	32342	33052	33420	33052	32342	31406	30039	28250	26382	24412
-5°	30742	31927	32495	32863	32495	31927	30742	29403	27796	25979	24051
-7.5°	29835	30910	31535	31924	31535	30910	29835	28535	26964	25208	23319
-10°	28653	29503	30057	30453	30057	29503	28653	27418	25918	24283	22498
-12.5°	27075	27854	28400	28782	28400	27854	27075	25972	24594	23055	21387
-15°	25308	26043	26590	26854	26590	26043	25308	24337	23065	21637	20134
-17.5°	23401	24094	24597	24844	24597	24094	23401	22583	21448	20159	18824
-20°	21437	22005	22458	22651	22458	22005	21437	20666	19756	18649	17478



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19509	20031	20420	20605	20420	20031	19509	18849	18049	17131	16082
-25°	17642	18081	18381	18549	18381	18081	17642	17074	16364	15567	14653
-27.5°	15853	16257	16524	16628	16524	16257	15853	15328	14671	14021	13239
-30°	14118	14457	14739	14796	14739	14457	14118	13682	13154	12536	11822
-32.5°	12468	12750	12986	13018	12986	12750	12468	12093	11622	11072	10458
-35°	10887	11140	11340	11358	11340	11140	10887	10554	10155	9673	9083
-37.5°	9376	9619	9822	9801	9822	9619	9376	9069	8691	8216	7698
-40°	7873	8062	8223	8266	8223	8062	7873	7605	7245	6820	6384
-42.5°	6413	6566	6688	6677	6688	6566	6413	6198	5920	5584	5242
-45°	5170	5281	5363	5349	5363	5281	5170	5017	4824	4595	4367
-47.5°	4213	4288	4349	4352	4349	4288	4213	4110	3978	3820	3635
-50°	3485	3538	3574	3563	3574	3538	3485	3406	3310	3192	3056
-52.5°	2903	2946	2974	2960	2974	2946	2903	2842	2771	2685	2589
-55°	2421	2446	2460	2453	2460	2446	2421	2385	2335	2278	2207
-57.5°	2050	2067	2092	2100	2092	2067	2050	2021	1985	1942	1889
-60°	1742	1757	1775	1778	1775	1757	1742	1725	1696	1664	1628
-62.5°	1485	1496	1503	1503	1503	1496	1485	1475	1457	1432	1403
-65°	1271	1275	1285	1289	1285	1275	1271	1260	1250	1232	1210
-67.5°	1085	1093	1093	1096	1093	1093	1085	1082	1075	1060	1046
-70°	914	921	914	903	914	921	914	911	911	907	900
-72.5°	707	689	661	636	661	689	707	732	753	768	761
-75°	518	478	468	457	468	478	518	557	593	621	621
-77.5°	382	343	329	318	329	343	382	421	461	493	496
-80°	282	239	232	225	232	239	282	314	350	386	389
-82.5°	200	164	157	150	157	164	200	229	261	289	296
-85°	125	104	100	93	100	104	125	146	164	182	182
-87.5°	61	50	46	39	46	50	61	75	86	96	93
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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°	89	89	86	89	89	89	89	79	71	64	57
85°	182	182	182	182	182	182	179	164	146	132	118
82.5°	300	304	304	296	286	279	268	243	218	196	175
80°	396	400	404	393	382	371	354	321	289	257	232
77.5°	496	500	496	486	475	461	439	407	375	343	318
75°	621	618	611	596	582	568	550	521	486	446	418
72.5°	753	743	732	714	693	671	650	625	596	564	536
70°	886	871	853	828	803	778	753	721	693	661	632
67.5°	1028	1011	986	957	925	893	861	825	789	753	721
65°	1185	1160	1128	1096	1060	1021	978	936	896	850	811
62.5°	1368	1328	1289	1253	1207	1160	1110	1060	1011	961	907
60°	1585	1535	1489	1432	1375	1318	1257	1196	1132	1075	1011
57.5°	1828	1767	1707	1642	1567	1496	1421	1343	1271	1196	1121
55°	2128	2050	1967	1878	1789	1696	1603	1510	1421	1325	1243
52.5°	2482	2382	2274	2153	2042	1925	1814	1696	1585	1475	1368
50°	2921	2785	2635	2478	2335	2182	2039	1900	1764	1635	1507
47.5°	3456	3267	3064	2871	2674	2474	2303	2135	1964	1803	1660
45°	4106	3845	3571	3328	3064	2828	2589	2382	2182	2000	1817
42.5°	4913	4545	4199	3867	3528	3228	2928	2671	2428	2203	2000
40°	5924	5402	4967	4506	4099	3685	3331	2999	2699	2432	2182
37.5°	7120	6509	5895	5270	4752	4242	3774	3363	3003	2678	2389
35°	8426	7727	6977	6234	5481	4874	4285	3770	3331	2939	2603
32.5°	9808	8973	8141	7280	6406	5566	4870	4231	3681	3231	2835
30°	11040	10197	9294	8355	7377	6398	5491	4749	4095	3528	3071
27.5°	12347	11390	10415	9408	8359	7270	6220	5274	4510	3870	3331
25°	13650	12597	11508	10419	9308	8144	6941	5874	4967	4210	3563
22.5°	14939	13786	12600	11365	10187	8958	7702	6456	5388	4545	3835
20°	16242	14946	13661	12322	11008	9755	8405	7070	5884	4892	4085
17.5°	17485	16078	14621	13161	11776	10408	9033	7662	6341	5206	4335
15°	18659	17092	15525	13950	12440	11036	9594	8176	6773	5538	4552
12.5°	19674	17956	16324	14678	13072	11579	10090	8623	7180	5859	4774
10°	20595	18745	17021	15310	13646	12047	10501	8994	7512	6120	4952
7.5°	21380	19449	17603	15800	14071	12400	10812	9280	7769	6320	5092
5°	21984	19923	17995	16117	14353	12636	11033	9483	7952	6463	5181
2.5°	22269	20206	18206	16292	14596	12847	11233	9665	8105	6598	5277
0°	22412	20309	18302	16442	14700	12932	11286	9690	8102	6616	5284
-2.5°	22269	20206	18206	16292	14596	12847	11233	9665	8105	6598	5277
-5°	21984	19923	17995	16117	14353	12636	11033	9483	7952	6463	5181
-7.5°	21380	19449	17603	15800	14071	12400	10812	9280	7769	6320	5092
-10°	20595	18745	17021	15310	13646	12047	10501	8994	7512	6120	4952
-12.5°	19674	17956	16324	14678	13072	11579	10090	8623	7180	5859	4774
-15°	18659	17092	15525	13950	12440	11036	9594	8176	6773	5538	4552
-17.5°	17485	16078	14621	13161	11776	10408	9033	7662	6341	5206	4335
-20°	16242	14946	13661	12322	11008	9755	8405	7070	5884	4892	4085



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14939	13786	12600	11365	10187	8958	7702	6456	5388	4545	3835
-25°	13650	12597	11508	10419	9308	8144	6941	5874	4967	4210	3563
-27.5°	12347	11390	10415	9408	8359	7270	6220	5274	4510	3870	3331
-30°	11040	10197	9294	8355	7377	6398	5491	4749	4095	3528	3071
-32.5°	9808	8973	8141	7280	6406	5566	4870	4231	3681	3231	2835
-35°	8426	7727	6977	6234	5481	4874	4285	3770	3331	2939	2603
-37.5°	7120	6509	5895	5270	4752	4242	3774	3363	3003	2678	2389
-40°	5924	5402	4967	4506	4099	3685	3331	2999	2699	2432	2182
-42.5°	4913	4545	4199	3867	3528	3228	2928	2671	2428	2203	2000
-45°	4106	3845	3571	3328	3064	2828	2589	2382	2182	2000	1817
-47.5°	3456	3267	3064	2871	2674	2474	2303	2135	1964	1803	1660
-50°	2921	2785	2635	2478	2335	2182	2039	1900	1764	1635	1507
-52.5°	2482	2382	2274	2153	2042	1925	1814	1696	1585	1475	1368
-55°	2128	2050	1967	1878	1789	1696	1603	1510	1421	1325	1243
-57.5°	1828	1767	1707	1642	1567	1496	1421	1343	1271	1196	1121
-60°	1585	1535	1489	1432	1375	1318	1257	1196	1132	1075	1011
-62.5°	1368	1328	1289	1253	1207	1160	1110	1060	1011	961	907
-65°	1185	1160	1128	1096	1060	1021	978	936	896	850	811
-67.5°	1028	1011	986	957	925	893	861	825	789	753	721
-70°	886	871	853	828	803	778	753	721	693	661	632
-72.5°	753	743	732	714	693	671	650	625	596	564	536
-75°	621	618	611	596	582	568	550	521	486	446	418
-77.5°	496	500	496	486	475	461	439	407	375	343	318
-80°	396	400	404	393	382	371	354	321	289	257	232
-82.5°	300	304	304	296	286	279	268	243	218	196	175
-85°	182	182	182	182	182	182	179	164	146	132	118
-87.5°	89	89	86	89	89	89	89	79	71	64	57
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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°	61	64	68	68	68	64	61	57	50	46	43
85°	125	129	136	139	132	129	118	111	104	93	86
82.5°	186	193	200	200	193	186	175	164	154	139	125
80°	246	257	268	268	257	243	229	214	200	182	164
77.5°	325	332	336	339	325	311	293	268	246	225	204
75°	411	411	414	407	393	382	357	329	296	268	239
72.5°	514	496	489	478	454	432	414	389	346	307	275
70°	603	578	557	536	511	482	461	429	393	346	307
67.5°	689	657	625	596	564	536	503	464	425	382	339
65°	775	736	696	657	621	586	550	503	457	414	368
62.5°	861	814	768	721	678	636	596	543	489	443	393
60°	950	900	846	793	739	689	639	582	525	468	418
57.5°	1053	982	921	861	800	743	682	621	561	500	439
55°	1157	1078	1000	932	864	800	728	661	593	528	461
52.5°	1268	1175	1089	1003	928	853	778	707	628	557	475
50°	1389	1278	1178	1082	993	911	828	746	664	586	493
47.5°	1518	1389	1271	1160	1064	964	875	789	700	618	511
45°	1660	1507	1368	1246	1128	1021	925	828	736	639	521
42.5°	1800	1632	1475	1325	1200	1078	975	871	771	657	539
40°	1964	1757	1582	1421	1271	1135	1018	911	807	678	553
37.5°	2135	1896	1692	1507	1343	1196	1068	946	832	700	568
35°	2307	2039	1803	1596	1418	1257	1114	986	857	718	582
32.5°	2485	2182	1914	1685	1489	1318	1160	1021	886	739	593
30°	2681	2332	2028	1771	1557	1371	1207	1057	914	757	603
27.5°	2867	2471	2139	1864	1628	1428	1250	1093	946	775	618
25°	3053	2621	2257	1950	1696	1478	1293	1125	975	796	628
22.5°	3253	2767	2364	2032	1757	1528	1332	1160	1000	818	639
20°	3435	2899	2457	2110	1821	1578	1371	1189	1021	839	650
17.5°	3603	3035	2571	2192	1882	1625	1403	1214	1043	857	657
15°	3785	3171	2671	2264	1935	1664	1435	1239	1060	875	661
12.5°	3942	3285	2756	2328	1982	1696	1460	1257	1078	893	668
10°	4070	3378	2828	2378	2017	1725	1478	1275	1089	903	671
7.5°	4170	3449	2881	2417	2046	1746	1496	1285	1100	914	671
5°	4245	3503	2917	2446	2067	1764	1510	1296	1110	928	675
2.5°	4313	3560	2946	2471	2085	1778	1521	1303	1110	925	668
0°	4324	3571	2942	2471	2085	1782	1521	1303	1107	921	661
-2.5°	4313	3560	2946	2471	2085	1778	1521	1303	1110	925	668
-5°	4245	3503	2917	2446	2067	1764	1510	1296	1110	928	675
-7.5°	4170	3449	2881	2417	2046	1746	1496	1285	1100	914	671
-10°	4070	3378	2828	2378	2017	1725	1478	1275	1089	903	671
-12.5°	3942	3285	2756	2328	1982	1696	1460	1257	1078	893	668
-15°	3785	3171	2671	2264	1935	1664	1435	1239	1060	875	661
-17.5°	3603	3035	2571	2192	1882	1625	1403	1214	1043	857	657
-20°	3435	2899	2457	2110	1821	1578	1371	1189	1021	839	650



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3253	2767	2364	2032	1757	1528	1332	1160	1000	818	639
-25°	3053	2621	2257	1950	1696	1478	1293	1125	975	796	628
-27.5°	2867	2471	2139	1864	1628	1428	1250	1093	946	775	618
-30°	2681	2332	2028	1771	1557	1371	1207	1057	914	757	603
-32.5°	2485	2182	1914	1685	1489	1318	1160	1021	886	739	593
-35°	2307	2039	1803	1596	1418	1257	1114	986	857	718	582
-37.5°	2135	1896	1692	1507	1343	1196	1068	946	832	700	568
-40°	1964	1757	1582	1421	1271	1135	1018	911	807	678	553
-42.5°	1800	1632	1475	1325	1200	1078	975	871	771	657	539
-45°	1660	1507	1368	1246	1128	1021	925	828	736	639	521
-47.5°	1518	1389	1271	1160	1064	964	875	789	700	618	511
-50°	1389	1278	1178	1082	993	911	828	746	664	586	493
-52.5°	1268	1175	1089	1003	928	853	778	707	628	557	475
-55°	1157	1078	1000	932	864	800	728	661	593	528	461
-57.5°	1053	982	921	861	800	743	682	621	561	500	439
-60°	950	900	846	793	739	689	639	582	525	468	418
-62.5°	861	814	768	721	678	636	596	543	489	443	393
-65°	775	736	696	657	621	586	550	503	457	414	368
-67.5°	689	657	625	596	564	536	503	464	425	382	339
-70°	603	578	557	536	511	482	461	429	393	346	307
-72.5°	514	496	489	478	454	432	414	389	346	307	275
-75°	411	411	414	407	393	382	357	329	296	268	239
-77.5°	325	332	336	339	325	311	293	268	246	225	204
-80°	246	257	268	268	257	243	229	214	200	182	164
-82.5°	186	193	200	200	193	186	175	164	154	139	125
-85°	125	129	136	139	132	129	118	111	104	93	86
-87.5°	61	64	68	68	68	64	61	57	50	46	43
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-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°	36	29	21	14	7	4	0
85°	75	57	39	25	14	7	0
82.5°	111	82	61	39	25	11	0
80°	146	111	79	54	32	14	0
77.5°	179	136	100	64	39	18	0
75°	207	157	118	79	46	21	0
72.5°	236	179	132	89	54	25	0
70°	264	200	146	104	61	29	0
67.5°	286	218	161	111	68	32	0
65°	304	236	171	118	75	32	0
62.5°	321	250	182	125	82	36	0
60°	343	264	196	132	86	39	0
57.5°	357	275	204	139	89	43	0
55°	371	289	211	146	96	46	0
52.5°	386	300	221	150	100	46	0
50°	396	311	229	154	104	50	0
47.5°	411	318	232	157	107	54	0
45°	421	329	239	161	111	54	0
42.5°	432	336	243	164	111	57	0
40°	443	339	250	171	114	61	0
37.5°	450	346	254	175	118	61	0
35°	454	350	257	179	121	64	0
32.5°	461	357	261	186	121	64	0
30°	471	357	261	189	125	64	0
27.5°	478	361	268	189	125	68	0
25°	482	361	271	193	129	68	0
22.5°	486	364	275	196	129	68	0
20°	489	368	279	200	132	71	0
17.5°	493	375	282	200	132	71	0
15°	500	379	282	200	132	75	0
12.5°	503	379	282	204	132	75	0
10°	507	382	282	204	136	71	0
7.5°	507	382	286	204	136	71	0
5°	507	386	282	204	132	71	0
2.5°	500	386	282	200	132	71	0
0°	496	382	279	200	132	71	0
-2.5°	500	386	282	200	132	71	0
-5°	507	386	282	204	132	71	0
-7.5°	507	382	286	204	136	71	0
-10°	507	382	282	204	136	71	0
-12.5°	503	379	282	204	132	75	0
-15°	500	379	282	200	132	75	0
-17.5°	493	375	282	200	132	71	0
-20°	489	368	279	200	132	71	0



REPORT NUMBER: P622163
 CATALOG NUMBER: IFLD-M-SA4E-730-U-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	486	364	275	196	129	68	0
-25°	482	361	271	193	129	68	0
-27.5°	478	361	268	189	125	68	0
-30°	471	357	261	189	125	64	0
-32.5°	461	357	261	186	121	64	0
-35°	454	350	257	179	121	64	0
-37.5°	450	346	254	175	118	61	0
-40°	443	339	250	171	114	61	0
-42.5°	432	336	243	164	111	57	0
-45°	421	329	239	161	111	54	0
-47.5°	411	318	232	157	107	54	0
-50°	396	311	229	154	104	50	0
-52.5°	386	300	221	150	100	46	0
-55°	371	289	211	146	96	46	0
-57.5°	357	275	204	139	89	43	0
-60°	343	264	196	132	86	39	0
-62.5°	321	250	182	125	82	36	0
-65°	304	236	171	118	75	32	0
-67.5°	286	218	161	111	68	32	0
-70°	264	200	146	104	61	29	0
-72.5°	236	179	132	89	54	25	0
-75°	207	157	118	79	46	21	0
-77.5°	179	136	100	64	39	18	0
-80°	146	111	79	54	32	14	0
-82.5°	111	82	61	39	25	11	0
-85°	75	57	39	25	14	7	0
-87.5°	36	29	21	14	7	4	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)