

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: P622346

Luminaire Tested: **IFLD-L-SA8D-830-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622346
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-830-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (128) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

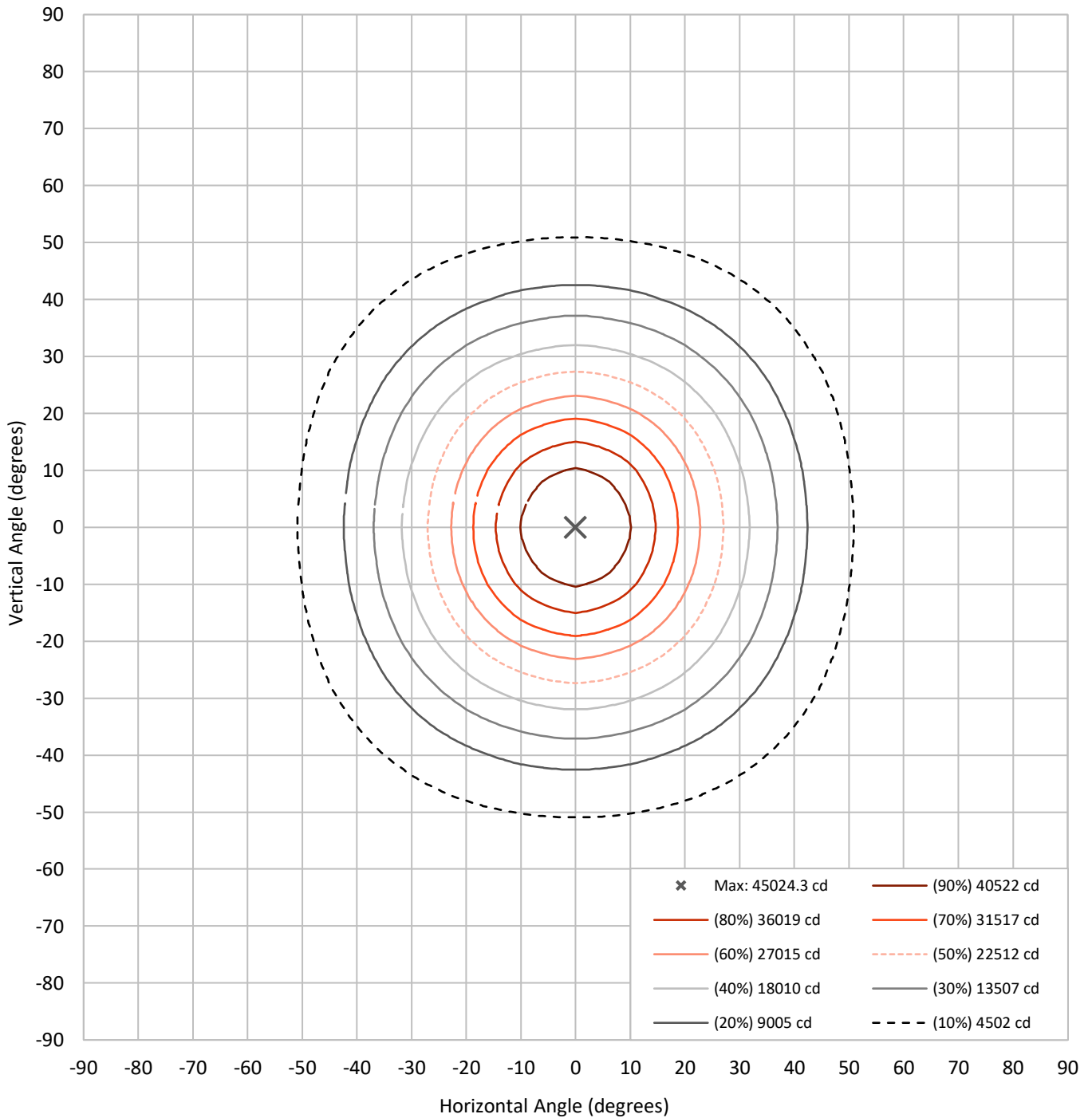
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	46697.6 lumens	Max Intensity:	45024.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.6 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:	22452.4 lumens	Field Lumens:	40981.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	488.3		
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: P622346
CATALOG NUMBER: IFLD-L-SA8D-830-U-66

Iso-Candela Plot





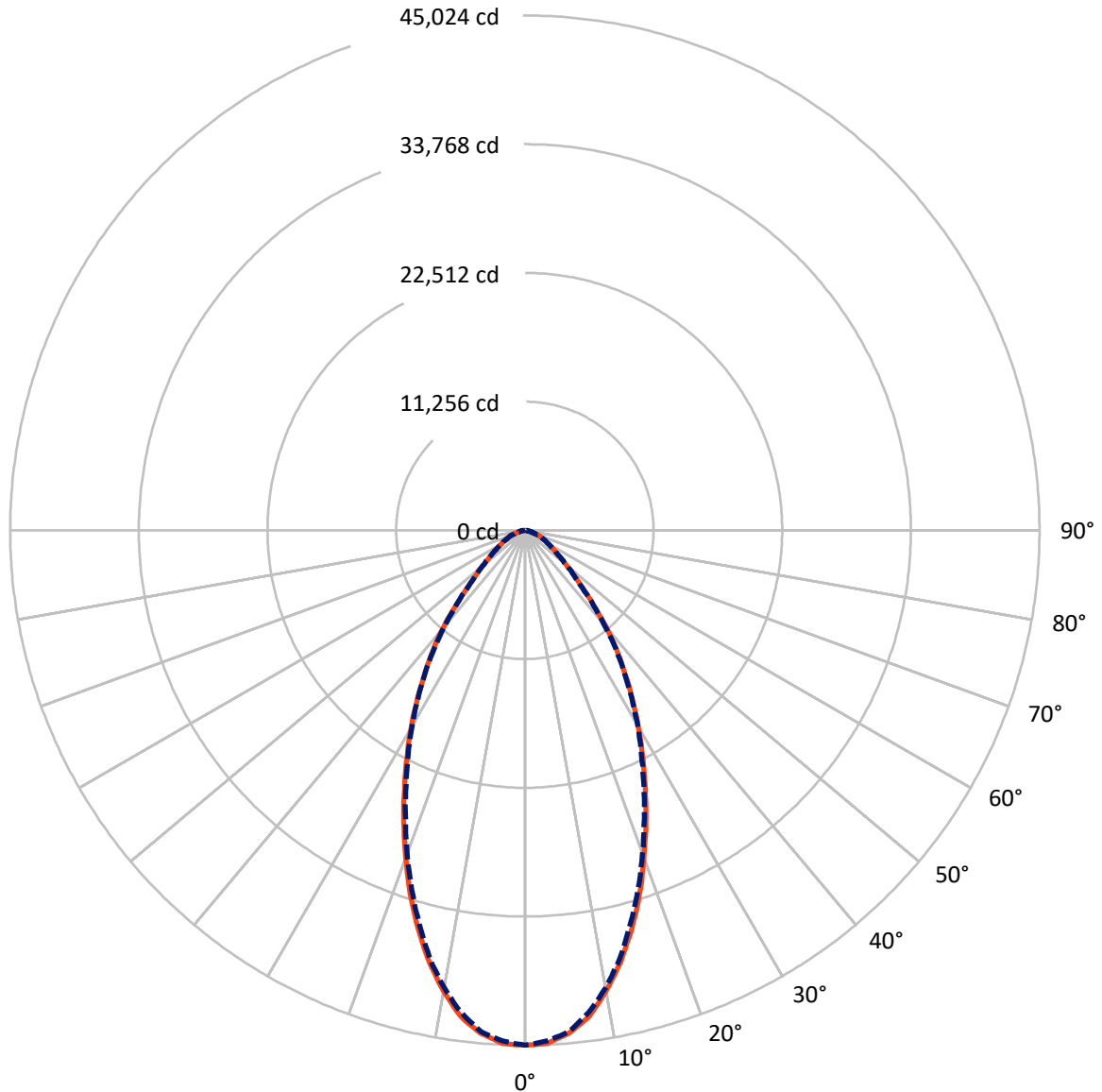
REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

Lumen Table

90	3.3	20.0	40.3	61.4	52.7	61.4	40.3	20.0	3.3										
80																			
70																			
60	8.2	8.8	15.5	23.7	33.1	42.3	49.4	52.9	52.9	49.4	42.3	33.1	23.7	15.5	8.8				8.2
50		11.6	22.1	36.3	54.4	74.1	91.9	102.6	102.6	91.9	74.1	54.4	36.3	22.1	11.6				
40		14.5	29.6	53.5	88.7	136.0	187.3	222.1	222.1	187.3	136.0	88.7	53.5	29.6	14.5				
30		17.3	38.2	77.0	147.6	261.1	379.7	453.5	453.5	379.7	261.1	147.6	77.0	38.2	17.3				
20		19.9	47.0	106.7	236.3	426.4	612.5	735.0	735.0	612.5	426.4	236.3	106.7	47.0	19.9				
10		21.9	54.9	137.2	321.8	574.1	850.2	1049.7	1049.7	850.2	574.1	321.8	137.2	54.9	21.9				
0		23.1	59.6	157.4	371.5	665.9	1014.0	1274.5	1274.5	1014.0	665.9	371.5	157.4	59.6	23.1				
-10		23.1	59.6	157.4	371.5	665.9	1014.0	1274.5	1274.5	1014.0	665.9	371.5	157.4	59.6	23.1				
-20		21.9	54.9	137.2	321.8	574.1	850.2	1049.7	1049.7	850.2	574.1	321.8	137.2	54.9	21.9				
-30		19.9	47.0	106.7	236.3	426.4	612.5	735.0	735.0	612.5	426.4	236.3	106.7	47.0	19.9				
-40		17.3	38.2	77.0	147.6	261.1	379.7	453.5	453.5	379.7	261.1	147.6	77.0	38.2	17.3				
-50		14.5	29.6	53.5	88.7	136.0	187.3	222.1	222.1	187.3	136.0	88.7	53.5	29.6	14.5				
-60		11.6	22.1	36.3	54.4	74.1	91.9	102.6	102.6	91.9	74.1	54.4	36.3	22.1	11.6				
-70		8.8	15.5	23.7	33.1	42.3	49.4	52.9	52.9	49.4	42.3	33.1	23.7	15.5	8.8				
-80	3.3	20.0	40.3	61.4	52.7	61.4	40.3	20.0	3.3										
-90																			

REPORT NUMBER: P622346
CATALOG NUMBER: IFLD-L-SA8D-830-U-66

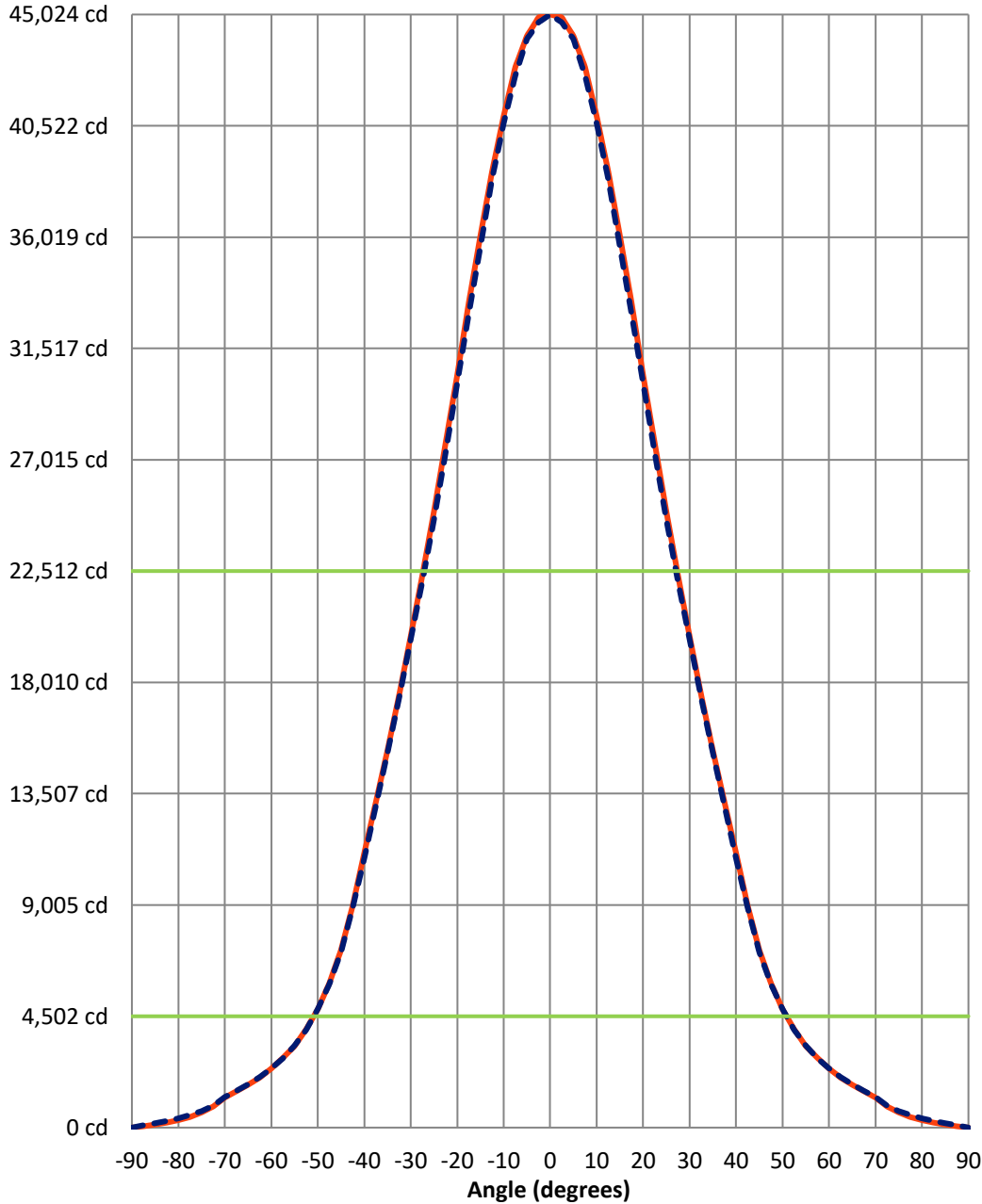
Luminous Intensity Polar Plot



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

REPORT NUMBER: P622346
CATALOG NUMBER: IFLD-L-SA8D-830-U-66

Luminous Intensity Plot



Beam:
H Angle: 54.2°
V Angle: 54.7°
Lumens: 22452.4
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 40981.8
Efficiency: 87.8%

Spill:
Lumens: 5715.9
Efficiency: 12.2%

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



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-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	5	10	19	29	38	48	58	62	67	77
85°	0	10	19	34	53	77	101	115	125	139	149
82.5°	0	14	34	53	82	110	149	168	187	206	221
80°	0	19	43	72	106	149	197	221	245	269	288
77.5°	0	24	53	86	134	182	240	274	302	331	360
75°	0	29	62	106	158	211	278	321	360	398	441
72.5°	0	34	72	120	178	240	317	369	413	465	523
70°	0	38	82	139	197	269	355	413	465	528	576
67.5°	0	43	91	149	216	293	384	456	513	571	624
65°	0	43	101	158	230	317	408	494	557	614	676
62.5°	0	48	110	168	245	336	432	528	595	657	729
60°	0	53	115	178	264	355	461	561	629	705	782
57.5°	0	58	120	187	274	369	480	590	672	753	835
55°	0	62	130	197	283	389	499	619	710	796	888
52.5°	0	62	134	202	297	403	518	638	748	844	950
50°	0	67	139	206	307	417	533	662	787	892	1003
47.5°	0	72	144	211	312	427	552	686	830	940	1060
45°	0	72	149	216	321	441	566	700	859	988	1113
42.5°	0	77	149	221	326	451	581	724	883	1036	1171
40°	0	82	154	230	336	456	595	744	912	1084	1223
37.5°	0	82	158	235	341	465	605	763	940	1118	1271
35°	0	86	163	240	345	470	609	782	964	1151	1324
32.5°	0	86	163	250	350	480	619	796	993	1190	1372
30°	0	86	168	254	350	480	633	811	1017	1228	1420
27.5°	0	91	168	254	360	485	643	830	1041	1271	1468
25°	0	91	173	259	365	485	648	844	1070	1310	1511
22.5°	0	91	173	264	369	489	653	859	1099	1343	1559
20°	0	96	178	269	374	494	657	873	1127	1372	1598
17.5°	0	96	178	269	379	504	662	883	1151	1401	1631
15°	0	101	178	269	379	509	672	888	1175	1425	1665
12.5°	0	101	178	274	379	509	676	897	1199	1449	1689
10°	0	96	182	274	379	513	681	902	1214	1463	1713
7.5°	0	96	182	274	384	513	681	902	1228	1478	1727
5°	0	96	178	274	379	518	681	907	1247	1492	1742
2.5°	0	96	178	269	379	518	672	897	1243	1492	1751
0°	0	96	178	269	379	518	672	897	1243	1492	1751
-2.5°	0	96	178	269	379	518	672	897	1243	1492	1751
-5°	0	96	178	274	379	518	681	907	1247	1492	1742
-7.5°	0	96	182	274	384	513	681	902	1228	1478	1727
-10°	0	96	182	274	379	513	681	902	1214	1463	1713
-12.5°	0	101	178	274	379	509	676	897	1199	1449	1689
-15°	0	101	178	269	379	509	672	888	1175	1425	1665
-17.5°	0	96	178	269	379	504	662	883	1151	1401	1631
-20°	0	96	178	269	374	494	657	873	1127	1372	1598



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	91	173	264	369	489	653	859	1099	1343	1559
-25°	0	91	173	259	365	485	648	844	1070	1310	1511
-27.5°	0	91	168	254	360	485	643	830	1041	1271	1468
-30°	0	86	168	254	350	480	633	811	1017	1228	1420
-32.5°	0	86	163	250	350	480	619	796	993	1190	1372
-35°	0	86	163	240	345	470	609	782	964	1151	1324
-37.5°	0	82	158	235	341	465	605	763	940	1118	1271
-40°	0	82	154	230	336	456	595	744	912	1084	1223
-42.5°	0	77	149	221	326	451	581	724	883	1036	1171
-45°	0	72	149	216	321	441	566	700	859	988	1113
-47.5°	0	72	144	211	312	427	552	686	830	940	1060
-50°	0	67	139	206	307	417	533	662	787	892	1003
-52.5°	0	62	134	202	297	403	518	638	748	844	950
-55°	0	62	130	197	283	389	499	619	710	796	888
-57.5°	0	58	120	187	274	369	480	590	672	753	835
-60°	0	53	115	178	264	355	461	561	629	705	782
-62.5°	0	48	110	168	245	336	432	528	595	657	729
-65°	0	43	101	158	230	317	408	494	557	614	676
-67.5°	0	43	91	149	216	293	384	456	513	571	624
-70°	0	38	82	139	197	269	355	413	465	528	576
-72.5°	0	34	72	120	178	240	317	369	413	465	523
-75°	0	29	62	106	158	211	278	321	360	398	441
-77.5°	0	24	53	86	134	182	240	274	302	331	360
-80°	0	19	43	72	106	149	197	221	245	269	288
-82.5°	0	14	34	53	82	110	149	168	187	206	221
-85°	0	10	19	34	53	77	101	115	125	139	149
-87.5°	0	5	10	19	29	38	48	58	62	67	77
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-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°	82	86	91	91	91	86	82	77	86	96	106
85°	158	173	178	187	182	173	168	158	178	197	221
82.5°	235	250	259	269	269	259	250	235	264	293	326
80°	307	326	345	360	360	345	331	312	345	389	432
77.5°	393	417	437	456	451	446	437	427	461	504	547
75°	480	513	528	547	557	552	552	561	600	653	700
72.5°	557	581	609	643	657	667	691	720	758	801	840
70°	619	648	686	720	748	777	811	849	888	931	969
67.5°	676	720	758	801	840	883	926	969	1012	1060	1108
65°	739	787	835	883	936	988	1041	1089	1142	1204	1257
62.5°	801	854	912	969	1032	1094	1156	1219	1291	1358	1425
60°	859	926	993	1065	1137	1209	1276	1358	1444	1521	1607
57.5°	916	998	1075	1156	1238	1319	1415	1506	1607	1708	1804
55°	979	1075	1161	1252	1343	1449	1554	1670	1780	1909	2029
52.5°	1046	1147	1247	1348	1463	1578	1703	1837	1981	2130	2279
50°	1113	1223	1334	1454	1583	1718	1866	2025	2197	2370	2552
47.5°	1175	1295	1430	1559	1708	1866	2039	2231	2423	2639	2869
45°	1243	1372	1516	1674	1837	2025	2231	2442	2687	2931	3200
42.5°	1310	1449	1612	1780	1981	2192	2418	2687	2960	3262	3589
40°	1367	1526	1708	1909	2125	2360	2639	2931	3267	3627	4030
37.5°	1434	1607	1804	2025	2274	2548	2869	3210	3598	4035	4519
35°	1497	1689	1905	2145	2423	2739	3099	3497	3948	4476	5066
32.5°	1559	1770	2001	2264	2571	2931	3339	3809	4342	4946	5685
30°	1622	1842	2092	2380	2725	3133	3603	4126	4740	5503	6381
27.5°	1679	1919	2188	2504	2874	3320	3852	4476	5201	6059	7086
25°	1737	1986	2279	2619	3032	3521	4102	4788	5656	6673	7892
22.5°	1790	2053	2360	2730	3176	3718	4371	5153	6107	7239	8674
20°	1842	2121	2447	2835	3301	3896	4615	5488	6573	7906	9499
17.5°	1885	2183	2528	2946	3454	4078	4841	5824	6995	8520	10295
15°	1929	2236	2600	3042	3589	4260	5085	6117	7441	9101	10986
12.5°	1962	2279	2663	3128	3704	4414	5296	6414	7873	9648	11586
10°	1986	2317	2711	3195	3800	4538	5469	6654	8223	10094	12085
7.5°	2010	2346	2749	3248	3872	4634	5604	6841	8492	10439	12469
5°	2029	2370	2778	3286	3920	4706	5704	6961	8683	10684	12742
2.5°	2044	2389	2802	3320	3958	4783	5795	7091	8866	10890	12987
0°	2044	2394	2802	3320	3953	4798	5810	7100	8890	10886	13020
-2.5°	2044	2389	2802	3320	3958	4783	5795	7091	8866	10890	12987
-5°	2029	2370	2778	3286	3920	4706	5704	6961	8683	10684	12742
-7.5°	2010	2346	2749	3248	3872	4634	5604	6841	8492	10439	12469
-10°	1986	2317	2711	3195	3800	4538	5469	6654	8223	10094	12085
-12.5°	1962	2279	2663	3128	3704	4414	5296	6414	7873	9648	11586
-15°	1929	2236	2600	3042	3589	4260	5085	6117	7441	9101	10986
-17.5°	1885	2183	2528	2946	3454	4078	4841	5824	6995	8520	10295
-20°	1842	2121	2447	2835	3301	3896	4615	5488	6573	7906	9499



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1790	2053	2360	2730	3176	3718	4371	5153	6107	7239	8674
-25°	1737	1986	2279	2619	3032	3521	4102	4788	5656	6673	7892
-27.5°	1679	1919	2188	2504	2874	3320	3852	4476	5201	6059	7086
-30°	1622	1842	2092	2380	2725	3133	3603	4126	4740	5503	6381
-32.5°	1559	1770	2001	2264	2571	2931	3339	3809	4342	4946	5685
-35°	1497	1689	1905	2145	2423	2739	3099	3497	3948	4476	5066
-37.5°	1434	1607	1804	2025	2274	2548	2869	3210	3598	4035	4519
-40°	1367	1526	1708	1909	2125	2360	2639	2931	3267	3627	4030
-42.5°	1310	1449	1612	1780	1981	2192	2418	2687	2960	3262	3589
-45°	1243	1372	1516	1674	1837	2025	2231	2442	2687	2931	3200
-47.5°	1175	1295	1430	1559	1708	1866	2039	2231	2423	2639	2869
-50°	1113	1223	1334	1454	1583	1718	1866	2025	2197	2370	2552
-52.5°	1046	1147	1247	1348	1463	1578	1703	1837	1981	2130	2279
-55°	979	1075	1161	1252	1343	1449	1554	1670	1780	1909	2029
-57.5°	916	998	1075	1156	1238	1319	1415	1506	1607	1708	1804
-60°	859	926	993	1065	1137	1209	1276	1358	1444	1521	1607
-62.5°	801	854	912	969	1032	1094	1156	1219	1291	1358	1425
-65°	739	787	835	883	936	988	1041	1089	1142	1204	1257
-67.5°	676	720	758	801	840	883	926	969	1012	1060	1108
-70°	619	648	686	720	748	777	811	849	888	931	969
-72.5°	557	581	609	643	657	667	691	720	758	801	840
-75°	480	513	528	547	557	552	552	561	600	653	700
-77.5°	393	417	437	456	451	446	437	427	461	504	547
-80°	307	326	345	360	360	345	331	312	345	389	432
-82.5°	235	250	259	269	269	259	250	235	264	293	326
-85°	158	173	178	187	182	173	168	158	178	197	221
-87.5°	82	86	91	91	91	86	82	77	86	96	106
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-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°	120	120	120	120	115	120	120	125	130	115	101
85°	240	245	245	245	245	245	245	245	245	221	197
82.5°	360	374	384	398	408	408	403	398	389	350	307
80°	475	499	513	528	542	537	533	523	518	470	422
77.5°	590	619	638	653	667	672	667	667	662	619	566
75°	739	763	782	801	820	830	835	835	835	796	748
72.5°	873	902	931	960	984	998	1012	1022	1032	1012	984
70°	1012	1046	1079	1113	1147	1171	1190	1209	1219	1223	1223
67.5°	1156	1199	1243	1286	1324	1358	1382	1406	1425	1444	1454
65°	1315	1372	1425	1473	1516	1559	1593	1626	1655	1679	1694
62.5°	1492	1559	1622	1684	1732	1785	1837	1885	1924	1957	1981
60°	1689	1770	1847	1924	2001	2063	2130	2188	2236	2279	2317
57.5°	1909	2010	2106	2207	2293	2375	2456	2538	2610	2667	2715
55°	2154	2279	2404	2524	2643	2754	2859	2965	3061	3138	3205
52.5°	2437	2586	2744	2893	3056	3200	3334	3478	3608	3723	3819
50°	2739	2931	3138	3329	3541	3742	3924	4107	4289	4447	4577
47.5°	3094	3325	3593	3857	4116	4390	4644	4884	5133	5344	5522
45°	3478	3800	4116	4471	4798	5167	5517	5867	6174	6481	6741
42.5°	3934	4337	4740	5196	5642	6107	6601	7043	7503	7954	8328
40°	4476	4951	5508	6054	6673	7259	7959	8578	9163	9734	10219
37.5°	5071	5699	6385	7081	7921	8746	9566	10343	11039	11677	12186
35°	5757	6549	7364	8376	9374	10382	11322	12205	12996	13644	14181
32.5°	6544	7479	8607	9782	10938	12056	13179	14052	14877	15616	16249
30°	7379	8597	9912	11226	12488	13702	14834	15884	16844	17674	18384
27.5°	8357	9768	11231	12641	13994	15304	16590	17789	18840	19713	20596
25°	9326	10943	12507	13999	15462	16926	18341	19689	20917	21987	22942
22.5°	10348	12037	13687	15270	16930	18523	20073	21608	23018	24251	25326
20°	11293	13107	14791	16556	18355	20082	21824	23484	25057	26544	27768
17.5°	12138	13985	15822	17684	19646	21603	23493	25292	27087	28818	30344
15°	12891	14829	16714	18744	20859	22966	25072	27053	29073	30992	32700
12.5°	13558	15558	17564	19722	21934	24127	26434	28737	30977	33045	34897
10°	14109	16187	18336	20572	22870	25187	27672	30229	32628	34825	36840
7.5°	14527	16662	18907	21229	23652	26132	28727	31332	33870	36231	38341
5°	14824	16978	19286	21656	24179	26770	29538	32316	34906	37348	39507
2.5°	15093	17261	19612	21891	24462	27149	29922	32800	35449	37958	40361
0°	15165	17377	19751	22092	24592	27288	30114	32925	35641	38365	40625
-2.5°	15093	17261	19612	21891	24462	27149	29922	32800	35449	37958	40361
-5°	14824	16978	19286	21656	24179	26770	29538	32316	34906	37348	39507
-7.5°	14527	16662	18907	21229	23652	26132	28727	31332	33870	36231	38341
-10°	14109	16187	18336	20572	22870	25187	27672	30229	32628	34825	36840
-12.5°	13558	15558	17564	19722	21934	24127	26434	28737	30977	33045	34897
-15°	12891	14829	16714	18744	20859	22966	25072	27053	29073	30992	32700
-17.5°	12138	13985	15822	17684	19646	21603	23493	25292	27087	28818	30344
-20°	11293	13107	14791	16556	18355	20082	21824	23484	25057	26544	27768



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10348	12037	13687	15270	16930	18523	20073	21608	23018	24251	25326
-25°	9326	10943	12507	13999	15462	16926	18341	19689	20917	21987	22942
-27.5°	8357	9768	11231	12641	13994	15304	16590	17789	18840	19713	20596
-30°	7379	8597	9912	11226	12488	13702	14834	15884	16844	17674	18384
-32.5°	6544	7479	8607	9782	10938	12056	13179	14052	14877	15616	16249
-35°	5757	6549	7364	8376	9374	10382	11322	12205	12996	13644	14181
-37.5°	5071	5699	6385	7081	7921	8746	9566	10343	11039	11677	12186
-40°	4476	4951	5508	6054	6673	7259	7959	8578	9163	9734	10219
-42.5°	3934	4337	4740	5196	5642	6107	6601	7043	7503	7954	8328
-45°	3478	3800	4116	4471	4798	5167	5517	5867	6174	6481	6741
-47.5°	3094	3325	3593	3857	4116	4390	4644	4884	5133	5344	5522
-50°	2739	2931	3138	3329	3541	3742	3924	4107	4289	4447	4577
-52.5°	2437	2586	2744	2893	3056	3200	3334	3478	3608	3723	3819
-55°	2154	2279	2404	2524	2643	2754	2859	2965	3061	3138	3205
-57.5°	1909	2010	2106	2207	2293	2375	2456	2538	2610	2667	2715
-60°	1689	1770	1847	1924	2001	2063	2130	2188	2236	2279	2317
-62.5°	1492	1559	1622	1684	1732	1785	1837	1885	1924	1957	1981
-65°	1315	1372	1425	1473	1516	1559	1593	1626	1655	1679	1694
-67.5°	1156	1199	1243	1286	1324	1358	1382	1406	1425	1444	1454
-70°	1012	1046	1079	1113	1147	1171	1190	1209	1219	1223	1223
-72.5°	873	902	931	960	984	998	1012	1022	1032	1012	984
-75°	739	763	782	801	820	830	835	835	835	796	748
-77.5°	590	619	638	653	667	672	667	667	662	619	566
-80°	475	499	513	528	542	537	533	523	518	470	422
-82.5°	360	374	384	398	408	408	403	398	389	350	307
-85°	240	245	245	245	245	245	245	245	245	221	197
-87.5°	120	120	120	120	115	120	120	125	130	115	101
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	82	67	62	53	62	67	82	101	115	130	125
85°	168	139	134	125	134	139	168	197	221	245	245
82.5°	269	221	211	202	211	221	269	307	350	389	398
80°	379	321	312	302	312	321	379	422	470	518	523
77.5°	513	461	441	427	441	461	513	566	619	662	667
75°	696	643	629	614	629	643	696	748	796	835	835
72.5°	950	926	888	854	888	926	950	984	1012	1032	1022
70°	1228	1238	1228	1214	1228	1238	1228	1223	1223	1219	1209
67.5°	1458	1468	1468	1473	1468	1468	1458	1454	1444	1425	1406
65°	1708	1713	1727	1732	1727	1713	1708	1694	1679	1655	1626
62.5°	1996	2010	2020	2020	2020	2010	1996	1981	1957	1924	1885
60°	2341	2360	2384	2389	2384	2360	2341	2317	2279	2236	2188
57.5°	2754	2778	2811	2821	2811	2778	2754	2715	2667	2610	2538
55°	3253	3286	3306	3296	3306	3286	3253	3205	3138	3061	2965
52.5°	3900	3958	3996	3977	3996	3958	3900	3819	3723	3608	3478
50°	4682	4754	4802	4788	4802	4754	4682	4577	4447	4289	4107
47.5°	5661	5762	5843	5848	5843	5762	5661	5522	5344	5133	4884
45°	6947	7096	7206	7187	7206	7096	6947	6741	6481	6174	5867
42.5°	8616	8823	8986	8971	8986	8823	8616	8328	7954	7503	7043
40°	10578	10833	11049	11106	11049	10833	10578	10219	9734	9163	8578
37.5°	12598	12924	13198	13169	13198	12924	12598	12186	11677	11039	10343
35°	14628	14968	15237	15261	15237	14968	14628	14181	13644	12996	12205
32.5°	16753	17132	17448	17492	17448	17132	16753	16249	15616	14877	14052
30°	18969	19425	19804	19881	19804	19425	18969	18384	17674	16844	15884
27.5°	21301	21843	22203	22342	22203	21843	21301	20596	19713	18840	17789
25°	23704	24294	24697	24923	24697	24294	23704	22942	21987	20917	19689
22.5°	26213	26914	27437	27686	27437	26914	26213	25326	24251	23018	21608
20°	28804	29567	30176	30435	30176	29567	28804	27768	26544	25057	23484
17.5°	31443	32373	33050	33381	33050	32373	31443	30344	28818	27087	25292
15°	34005	34993	35727	36082	35727	34993	34005	32700	30992	29073	27053
12.5°	36379	37425	38159	38673	38159	37425	36379	34897	33045	30977	28737
10°	38500	39642	40385	40918	40385	39642	38500	36840	34825	32628	30229
7.5°	40088	41532	42371	42894	42371	41532	40088	38341	36231	33870	31332
5°	41306	42899	43662	44156	43662	42899	41306	39507	37348	34906	32316
2.5°	42199	43456	44410	44904	44410	43456	42199	40361	37958	35449	32800
0°	42549	44026	44703	45024	44703	44026	42549	40625	38365	35641	32925
-2.5°	42199	43456	44410	44904	44410	43456	42199	40361	37958	35449	32800
-5°	41306	42899	43662	44156	43662	42899	41306	39507	37348	34906	32316
-7.5°	40088	41532	42371	42894	42371	41532	40088	38341	36231	33870	31332
-10°	38500	39642	40385	40918	40385	39642	38500	36840	34825	32628	30229
-12.5°	36379	37425	38159	38673	38159	37425	36379	34897	33045	30977	28737
-15°	34005	34993	35727	36082	35727	34993	34005	32700	30992	29073	27053
-17.5°	31443	32373	33050	33381	33050	32373	31443	30344	28818	27087	25292
-20°	28804	29567	30176	30435	30176	29567	28804	27768	26544	25057	23484



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26213	26914	27437	27686	27437	26914	26213	25326	24251	23018	21608
-25°	23704	24294	24697	24923	24697	24294	23704	22942	21987	20917	19689
-27.5°	21301	21843	22203	22342	22203	21843	21301	20596	19713	18840	17789
-30°	18969	19425	19804	19881	19804	19425	18969	18384	17674	16844	15884
-32.5°	16753	17132	17448	17492	17448	17132	16753	16249	15616	14877	14052
-35°	14628	14968	15237	15261	15237	14968	14628	14181	13644	12996	12205
-37.5°	12598	12924	13198	13169	13198	12924	12598	12186	11677	11039	10343
-40°	10578	10833	11049	11106	11049	10833	10578	10219	9734	9163	8578
-42.5°	8616	8823	8986	8971	8986	8823	8616	8328	7954	7503	7043
-45°	6947	7096	7206	7187	7206	7096	6947	6741	6481	6174	5867
-47.5°	5661	5762	5843	5848	5843	5762	5661	5522	5344	5133	4884
-50°	4682	4754	4802	4788	4802	4754	4682	4577	4447	4289	4107
-52.5°	3900	3958	3996	3977	3996	3958	3900	3819	3723	3608	3478
-55°	3253	3286	3306	3296	3306	3286	3253	3205	3138	3061	2965
-57.5°	2754	2778	2811	2821	2811	2778	2754	2715	2667	2610	2538
-60°	2341	2360	2384	2389	2384	2360	2341	2317	2279	2236	2188
-62.5°	1996	2010	2020	2020	2020	2010	1996	1981	1957	1924	1885
-65°	1708	1713	1727	1732	1727	1713	1708	1694	1679	1655	1626
-67.5°	1458	1468	1468	1473	1468	1468	1458	1454	1444	1425	1406
-70°	1228	1238	1228	1214	1228	1238	1228	1223	1223	1219	1209
-72.5°	950	926	888	854	888	926	950	984	1012	1032	1022
-75°	696	643	629	614	629	643	696	748	796	835	835
-77.5°	513	461	441	427	441	461	513	566	619	662	667
-80°	379	321	312	302	312	321	379	422	470	518	523
-82.5°	269	221	211	202	211	221	269	307	350	389	398
-85°	168	139	134	125	134	139	168	197	221	245	245
-87.5°	82	67	62	53	62	67	82	101	115	130	125
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-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°	120	120	115	120	120	120	120	106	96	86	77
85°	245	245	245	245	245	245	240	221	197	178	158
82.5°	403	408	408	398	384	374	360	326	293	264	235
80°	533	537	542	528	513	499	475	432	389	345	312
77.5°	667	672	667	653	638	619	590	547	504	461	427
75°	835	830	820	801	782	763	739	700	653	600	561
72.5°	1012	998	984	960	931	902	873	840	801	758	720
70°	1190	1171	1147	1113	1079	1046	1012	969	931	888	849
67.5°	1382	1358	1324	1286	1243	1199	1156	1108	1060	1012	969
65°	1593	1559	1516	1473	1425	1372	1315	1257	1204	1142	1089
62.5°	1837	1785	1732	1684	1622	1559	1492	1425	1358	1291	1219
60°	2130	2063	2001	1924	1847	1770	1689	1607	1521	1444	1358
57.5°	2456	2375	2293	2207	2106	2010	1909	1804	1708	1607	1506
55°	2859	2754	2643	2524	2404	2279	2154	2029	1909	1780	1670
52.5°	3334	3200	3056	2893	2744	2586	2437	2279	2130	1981	1837
50°	3924	3742	3541	3329	3138	2931	2739	2552	2370	2197	2025
47.5°	4644	4390	4116	3857	3593	3325	3094	2869	2639	2423	2231
45°	5517	5167	4798	4471	4116	3800	3478	3200	2931	2687	2442
42.5°	6601	6107	5642	5196	4740	4337	3934	3589	3262	2960	2687
40°	7959	7259	6673	6054	5508	4951	4476	4030	3627	3267	2931
37.5°	9566	8746	7921	7081	6385	5699	5071	4519	4035	3598	3210
35°	11322	10382	9374	8376	7364	6549	5757	5066	4476	3948	3497
32.5°	13179	12056	10938	9782	8607	7479	6544	5685	4946	4342	3809
30°	14834	13702	12488	11226	9912	8597	7379	6381	5503	4740	4126
27.5°	16590	15304	13994	12641	11231	9768	8357	7086	6059	5201	4476
25°	18341	16926	15462	13999	12507	10943	9326	7892	6673	5656	4788
22.5°	20073	18523	16930	15270	13687	12037	10348	8674	7239	6107	5153
20°	21824	20082	18355	16556	14791	13107	11293	9499	7906	6573	5488
17.5°	23493	21603	19646	17684	15822	13985	12138	10295	8520	6995	5824
15°	25072	22966	20859	18744	16714	14829	12891	10986	9101	7441	6117
12.5°	26434	24127	21934	19722	17564	15558	13558	11586	9648	7873	6414
10°	27672	25187	22870	20572	18336	16187	14109	12085	10094	8223	6654
7.5°	28727	26132	23652	21229	18907	16662	14527	12469	10439	8492	6841
5°	29538	26770	24179	21656	19286	16978	14824	12742	10684	8683	6961
2.5°	29922	27149	24462	21891	19612	17261	15093	12987	10890	8866	7091
0°	30114	27288	24592	22092	19751	17377	15165	13020	10886	8890	7100
-2.5°	29922	27149	24462	21891	19612	17261	15093	12987	10890	8866	7091
-5°	29538	26770	24179	21656	19286	16978	14824	12742	10684	8683	6961
-7.5°	28727	26132	23652	21229	18907	16662	14527	12469	10439	8492	6841
-10°	27672	25187	22870	20572	18336	16187	14109	12085	10094	8223	6654
-12.5°	26434	24127	21934	19722	17564	15558	13558	11586	9648	7873	6414
-15°	25072	22966	20859	18744	16714	14829	12891	10986	9101	7441	6117
-17.5°	23493	21603	19646	17684	15822	13985	12138	10295	8520	6995	5824
-20°	21824	20082	18355	16556	14791	13107	11293	9499	7906	6573	5488



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20073	18523	16930	15270	13687	12037	10348	8674	7239	6107	5153
-25°	18341	16926	15462	13999	12507	10943	9326	7892	6673	5656	4788
-27.5°	16590	15304	13994	12641	11231	9768	8357	7086	6059	5201	4476
-30°	14834	13702	12488	11226	9912	8597	7379	6381	5503	4740	4126
-32.5°	13179	12056	10938	9782	8607	7479	6544	5685	4946	4342	3809
-35°	11322	10382	9374	8376	7364	6549	5757	5066	4476	3948	3497
-37.5°	9566	8746	7921	7081	6385	5699	5071	4519	4035	3598	3210
-40°	7959	7259	6673	6054	5508	4951	4476	4030	3627	3267	2931
-42.5°	6601	6107	5642	5196	4740	4337	3934	3589	3262	2960	2687
-45°	5517	5167	4798	4471	4116	3800	3478	3200	2931	2687	2442
-47.5°	4644	4390	4116	3857	3593	3325	3094	2869	2639	2423	2231
-50°	3924	3742	3541	3329	3138	2931	2739	2552	2370	2197	2025
-52.5°	3334	3200	3056	2893	2744	2586	2437	2279	2130	1981	1837
-55°	2859	2754	2643	2524	2404	2279	2154	2029	1909	1780	1670
-57.5°	2456	2375	2293	2207	2106	2010	1909	1804	1708	1607	1506
-60°	2130	2063	2001	1924	1847	1770	1689	1607	1521	1444	1358
-62.5°	1837	1785	1732	1684	1622	1559	1492	1425	1358	1291	1219
-65°	1593	1559	1516	1473	1425	1372	1315	1257	1204	1142	1089
-67.5°	1382	1358	1324	1286	1243	1199	1156	1108	1060	1012	969
-70°	1190	1171	1147	1113	1079	1046	1012	969	931	888	849
-72.5°	1012	998	984	960	931	902	873	840	801	758	720
-75°	835	830	820	801	782	763	739	700	653	600	561
-77.5°	667	672	667	653	638	619	590	547	504	461	427
-80°	533	537	542	528	513	499	475	432	389	345	312
-82.5°	403	408	408	398	384	374	360	326	293	264	235
-85°	245	245	245	245	245	245	240	221	197	178	158
-87.5°	120	120	115	120	120	120	120	106	96	86	77
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-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°	82	86	91	91	91	86	82	77	67	62	58
85°	168	173	182	187	178	173	158	149	139	125	115
82.5°	250	259	269	269	259	250	235	221	206	187	168
80°	331	345	360	360	345	326	307	288	269	245	221
77.5°	437	446	451	456	437	417	393	360	331	302	274
75°	552	552	557	547	528	513	480	441	398	360	321
72.5°	691	667	657	643	609	581	557	523	465	413	369
70°	811	777	748	720	686	648	619	576	528	465	413
67.5°	926	883	840	801	758	720	676	624	571	513	456
65°	1041	988	936	883	835	787	739	676	614	557	494
62.5°	1156	1094	1032	969	912	854	801	729	657	595	528
60°	1276	1209	1137	1065	993	926	859	782	705	629	561
57.5°	1415	1319	1238	1156	1075	998	916	835	753	672	590
55°	1554	1449	1343	1252	1161	1075	979	888	796	710	619
52.5°	1703	1578	1463	1348	1247	1147	1046	950	844	748	638
50°	1866	1718	1583	1454	1334	1223	1113	1003	892	787	662
47.5°	2039	1866	1708	1559	1430	1295	1175	1060	940	830	686
45°	2231	2025	1837	1674	1516	1372	1243	1113	988	859	700
42.5°	2418	2192	1981	1780	1612	1449	1310	1171	1036	883	724
40°	2639	2360	2125	1909	1708	1526	1367	1223	1084	912	744
37.5°	2869	2548	2274	2025	1804	1607	1434	1271	1118	940	763
35°	3099	2739	2423	2145	1905	1689	1497	1324	1151	964	782
32.5°	3339	2931	2571	2264	2001	1770	1559	1372	1190	993	796
30°	3603	3133	2725	2380	2092	1842	1622	1420	1228	1017	811
27.5°	3852	3320	2874	2504	2188	1919	1679	1468	1271	1041	830
25°	4102	3521	3032	2619	2279	1986	1737	1511	1310	1070	844
22.5°	4371	3718	3176	2730	2360	2053	1790	1559	1343	1099	859
20°	4615	3896	3301	2835	2447	2121	1842	1598	1372	1127	873
17.5°	4841	4078	3454	2946	2528	2183	1885	1631	1401	1151	883
15°	5085	4260	3589	3042	2600	2236	1929	1665	1425	1175	888
12.5°	5296	4414	3704	3128	2663	2279	1962	1689	1449	1199	897
10°	5469	4538	3800	3195	2711	2317	1986	1713	1463	1214	902
7.5°	5604	4634	3872	3248	2749	2346	2010	1727	1478	1228	902
5°	5704	4706	3920	3286	2778	2370	2029	1742	1492	1247	907
2.5°	5795	4783	3958	3320	2802	2389	2044	1751	1492	1243	897
0°	5810	4798	3953	3320	2802	2394	2044	1751	1487	1238	888
-2.5°	5795	4783	3958	3320	2802	2389	2044	1751	1492	1243	897
-5°	5704	4706	3920	3286	2778	2370	2029	1742	1492	1247	907
-7.5°	5604	4634	3872	3248	2749	2346	2010	1727	1478	1228	902
-10°	5469	4538	3800	3195	2711	2317	1986	1713	1463	1214	902
-12.5°	5296	4414	3704	3128	2663	2279	1962	1689	1449	1199	897
-15°	5085	4260	3589	3042	2600	2236	1929	1665	1425	1175	888
-17.5°	4841	4078	3454	2946	2528	2183	1885	1631	1401	1151	883
-20°	4615	3896	3301	2835	2447	2121	1842	1598	1372	1127	873



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4371	3718	3176	2730	2360	2053	1790	1559	1343	1099	859
-25°	4102	3521	3032	2619	2279	1986	1737	1511	1310	1070	844
-27.5°	3852	3320	2874	2504	2188	1919	1679	1468	1271	1041	830
-30°	3603	3133	2725	2380	2092	1842	1622	1420	1228	1017	811
-32.5°	3339	2931	2571	2264	2001	1770	1559	1372	1190	993	796
-35°	3099	2739	2423	2145	1905	1689	1497	1324	1151	964	782
-37.5°	2869	2548	2274	2025	1804	1607	1434	1271	1118	940	763
-40°	2639	2360	2125	1909	1708	1526	1367	1223	1084	912	744
-42.5°	2418	2192	1981	1780	1612	1449	1310	1171	1036	883	724
-45°	2231	2025	1837	1674	1516	1372	1243	1113	988	859	700
-47.5°	2039	1866	1708	1559	1430	1295	1175	1060	940	830	686
-50°	1866	1718	1583	1454	1334	1223	1113	1003	892	787	662
-52.5°	1703	1578	1463	1348	1247	1147	1046	950	844	748	638
-55°	1554	1449	1343	1252	1161	1075	979	888	796	710	619
-57.5°	1415	1319	1238	1156	1075	998	916	835	753	672	590
-60°	1276	1209	1137	1065	993	926	859	782	705	629	561
-62.5°	1156	1094	1032	969	912	854	801	729	657	595	528
-65°	1041	988	936	883	835	787	739	676	614	557	494
-67.5°	926	883	840	801	758	720	676	624	571	513	456
-70°	811	777	748	720	686	648	619	576	528	465	413
-72.5°	691	667	657	643	609	581	557	523	465	413	369
-75°	552	552	557	547	528	513	480	441	398	360	321
-77.5°	437	446	451	456	437	417	393	360	331	302	274
-80°	331	345	360	360	345	326	307	288	269	245	221
-82.5°	250	259	269	269	259	250	235	221	206	187	168
-85°	168	173	182	187	178	173	158	149	139	125	115
-87.5°	82	86	91	91	91	86	82	77	67	62	58
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622346

CATALOG NUMBER: IFLD-L-SA8D-830-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°	48	38	29	19	10	5	0
85°	101	77	53	34	19	10	0
82.5°	149	110	82	53	34	14	0
80°	197	149	106	72	43	19	0
77.5°	240	182	134	86	53	24	0
75°	278	211	158	106	62	29	0
72.5°	317	240	178	120	72	34	0
70°	355	269	197	139	82	38	0
67.5°	384	293	216	149	91	43	0
65°	408	317	230	158	101	43	0
62.5°	432	336	245	168	110	48	0
60°	461	355	264	178	115	53	0
57.5°	480	369	274	187	120	58	0
55°	499	389	283	197	130	62	0
52.5°	518	403	297	202	134	62	0
50°	533	417	307	206	139	67	0
47.5°	552	427	312	211	144	72	0
45°	566	441	321	216	149	72	0
42.5°	581	451	326	221	149	77	0
40°	595	456	336	230	154	82	0
37.5°	605	465	341	235	158	82	0
35°	609	470	345	240	163	86	0
32.5°	619	480	350	250	163	86	0
30°	633	480	350	254	168	86	0
27.5°	643	485	360	254	168	91	0
25°	648	485	365	259	173	91	0
22.5°	653	489	369	264	173	91	0
20°	657	494	374	269	178	96	0
17.5°	662	504	379	269	178	96	0
15°	672	509	379	269	178	101	0
12.5°	676	509	379	274	178	101	0
10°	681	513	379	274	182	96	0
7.5°	681	513	384	274	182	96	0
5°	681	518	379	274	178	96	0
2.5°	672	518	379	269	178	96	0
0°	667	513	374	269	178	96	0
-2.5°	672	518	379	269	178	96	0
-5°	681	518	379	274	178	96	0
-7.5°	681	513	384	274	182	96	0
-10°	681	513	379	274	182	96	0
-12.5°	676	509	379	274	178	101	0
-15°	672	509	379	269	178	101	0
-17.5°	662	504	379	269	178	96	0
-20°	657	494	374	269	178	96	0



REPORT NUMBER: P622346
 CATALOG NUMBER: IFLD-L-SA8D-830-U-66

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	653	489	369	264	173	91	0
-25°	648	485	365	259	173	91	0
-27.5°	643	485	360	254	168	91	0
-30°	633	480	350	254	168	86	0
-32.5°	619	480	350	250	163	86	0
-35°	609	470	345	240	163	86	0
-37.5°	605	465	341	235	158	82	0
-40°	595	456	336	230	154	82	0
-42.5°	581	451	326	221	149	77	0
-45°	566	441	321	216	149	72	0
-47.5°	552	427	312	211	144	72	0
-50°	533	417	307	206	139	67	0
-52.5°	518	403	297	202	134	62	0
-55°	499	389	283	197	130	62	0
-57.5°	480	369	274	187	120	58	0
-60°	461	355	264	178	115	53	0
-62.5°	432	336	245	168	110	48	0
-65°	408	317	230	158	101	43	0
-67.5°	384	293	216	149	91	43	0
-70°	355	269	197	139	82	38	0
-72.5°	317	240	178	120	72	34	0
-75°	278	211	158	106	62	29	0
-77.5°	240	182	134	86	53	24	0
-80°	197	149	106	72	43	19	0
-82.5°	149	110	82	53	34	14	0
-85°	101	77	53	34	19	10	0
-87.5°	48	38	29	19	10	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)