

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: P622313

Luminaire Tested: **IFLD-L-SA7E-827-U-66**

Issue Date: 09/20/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P622313  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/20/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-827-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens  
Light Source: (112) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

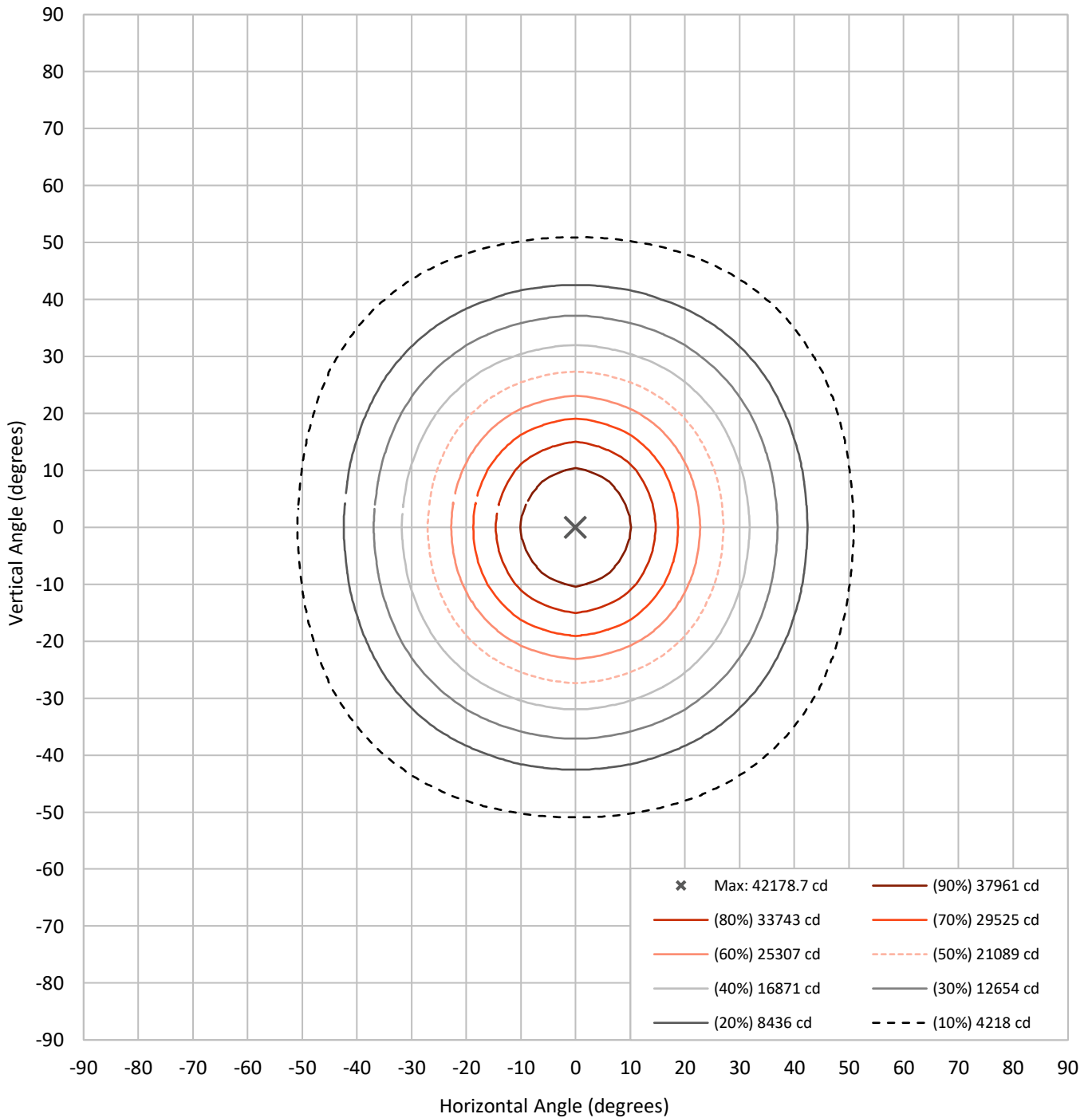
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	43746.3 lumens	Max Intensity:	42178.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.1 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:	21033.3 lumens	Field Lumens:	38391.7 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%
Input Watts (W):	532.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





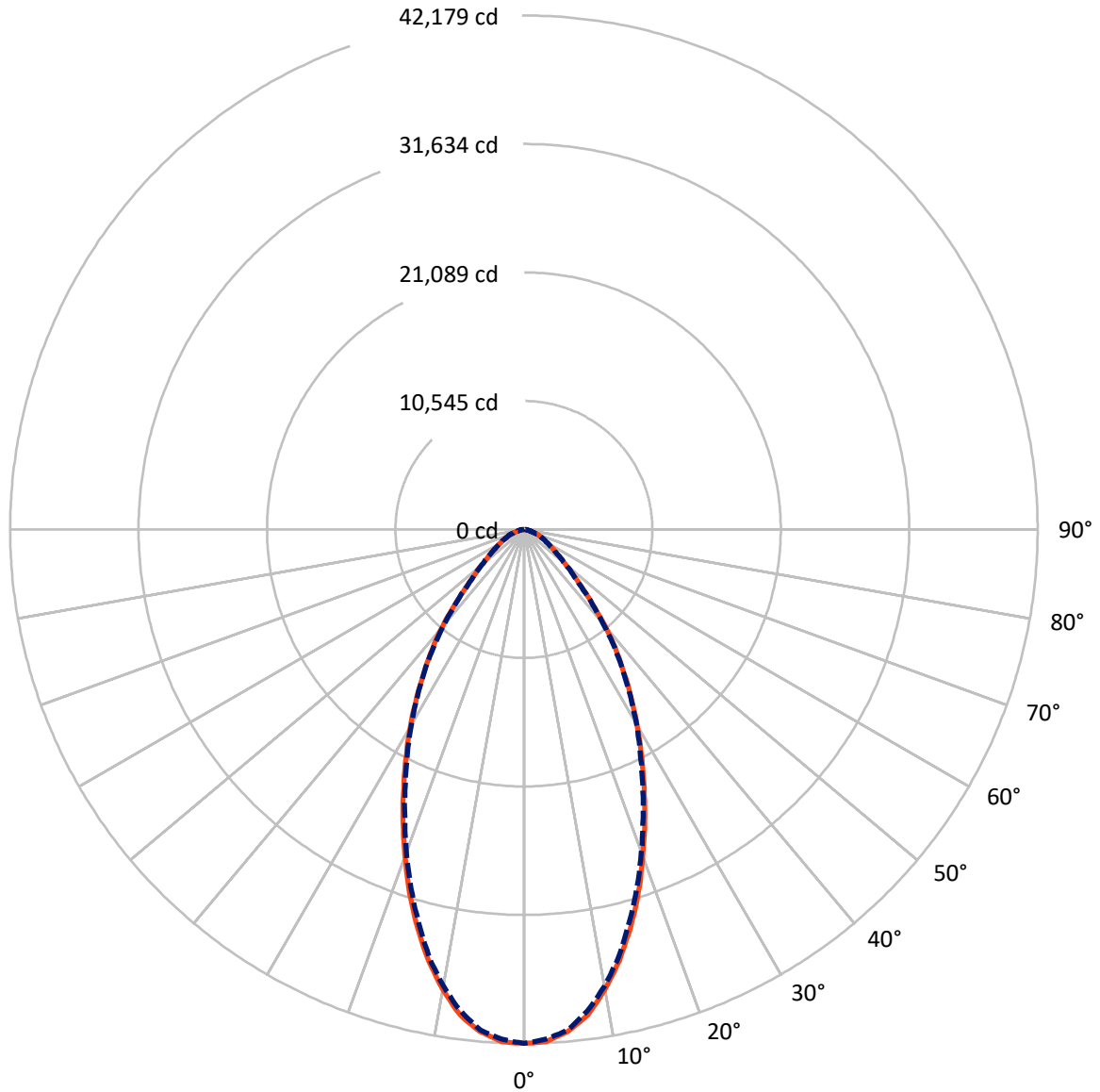
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### Lumen Table

90	3.1	18.8	37.8	57.5	49.4	57.5	37.8	18.8	3.1							
80																
70	7.7	8.2	14.6	22.2	31.0	39.6	46.2	49.5	49.5	46.2	39.6	31.0	22.2	14.6	8.2	7.7
60																
50	10.3	10.9	20.7	34.0	51.0	69.4	86.1	96.1	96.1	86.1	69.4	51.0	34.0	20.7	10.9	10.3
40																
30	11.9	13.6	27.8	50.1	83.1	127.4	175.4	208.1	208.1	175.4	127.4	83.1	50.1	27.8	13.6	11.9
20																
10	12.5	16.2	35.8	72.1	138.3	244.6	355.7	424.8	424.8	355.7	244.6	138.3	72.1	35.8	16.2	12.5
0																
-10	11.9	18.6	44.1	99.9	221.3	399.4	573.7	688.6	688.6	573.7	399.4	221.3	99.9	44.1	18.6	11.9
-20																
-30	12.5	20.6	51.5	128.5	301.5	537.8	796.5	983.4	983.4	796.5	537.8	301.5	128.5	51.5	20.6	12.5
-40																
-50	11.9	21.6	55.9	147.4	348.0	623.8	950.0	1194.0	1194.0	950.0	623.8	348.0	147.4	55.9	21.6	11.9
-60																
-70	10.3	21.6	55.9	147.4	348.0	623.8	950.0	1194.0	1194.0	950.0	623.8	348.0	147.4	55.9	21.6	10.3
-80																
-90	11.9	20.6	51.5	128.5	301.5	537.8	796.5	983.4	983.4	796.5	537.8	301.5	128.5	51.5	20.6	11.9
-80																
-70	10.3	18.6	44.1	99.9	221.3	399.4	573.7	688.6	688.6	573.7	399.4	221.3	99.9	44.1	18.6	10.3
-60																
-50	12.5	16.2	35.8	72.1	138.3	244.6	355.7	424.8	424.8	355.7	244.6	138.3	72.1	35.8	16.2	12.5
-40																
-30	11.9	13.6	27.8	50.1	83.1	127.4	175.4	208.1	208.1	175.4	127.4	83.1	50.1	27.8	13.6	11.9
-20																
-10	7.7	10.9	20.7	34.0	51.0	69.4	86.1	96.1	96.1	86.1	69.4	51.0	34.0	20.7	10.9	7.7
0																
10	7.7	8.2	14.6	22.2	31.0	39.6	46.2	49.5	49.5	46.2	39.6	31.0	22.2	14.6	8.2	7.7
20																
30	10.3	13.6	27.8	50.1	83.1	127.4	175.4	208.1	208.1	175.4	127.4	83.1	50.1	27.8	13.6	10.3
40																
50	11.9	16.2	35.8	72.1	138.3	244.6	355.7	424.8	424.8	355.7	244.6	138.3	72.1	35.8	16.2	11.9
60																
70	12.5	18.6	44.1	99.9	221.3	399.4	573.7	688.6	688.6	573.7	399.4	221.3	99.9	44.1	18.6	12.5
80																
90	11.9	20.6	51.5	128.5	301.5	537.8	796.5	983.4	983.4	796.5	537.8	301.5	128.5	51.5	20.6	11.9

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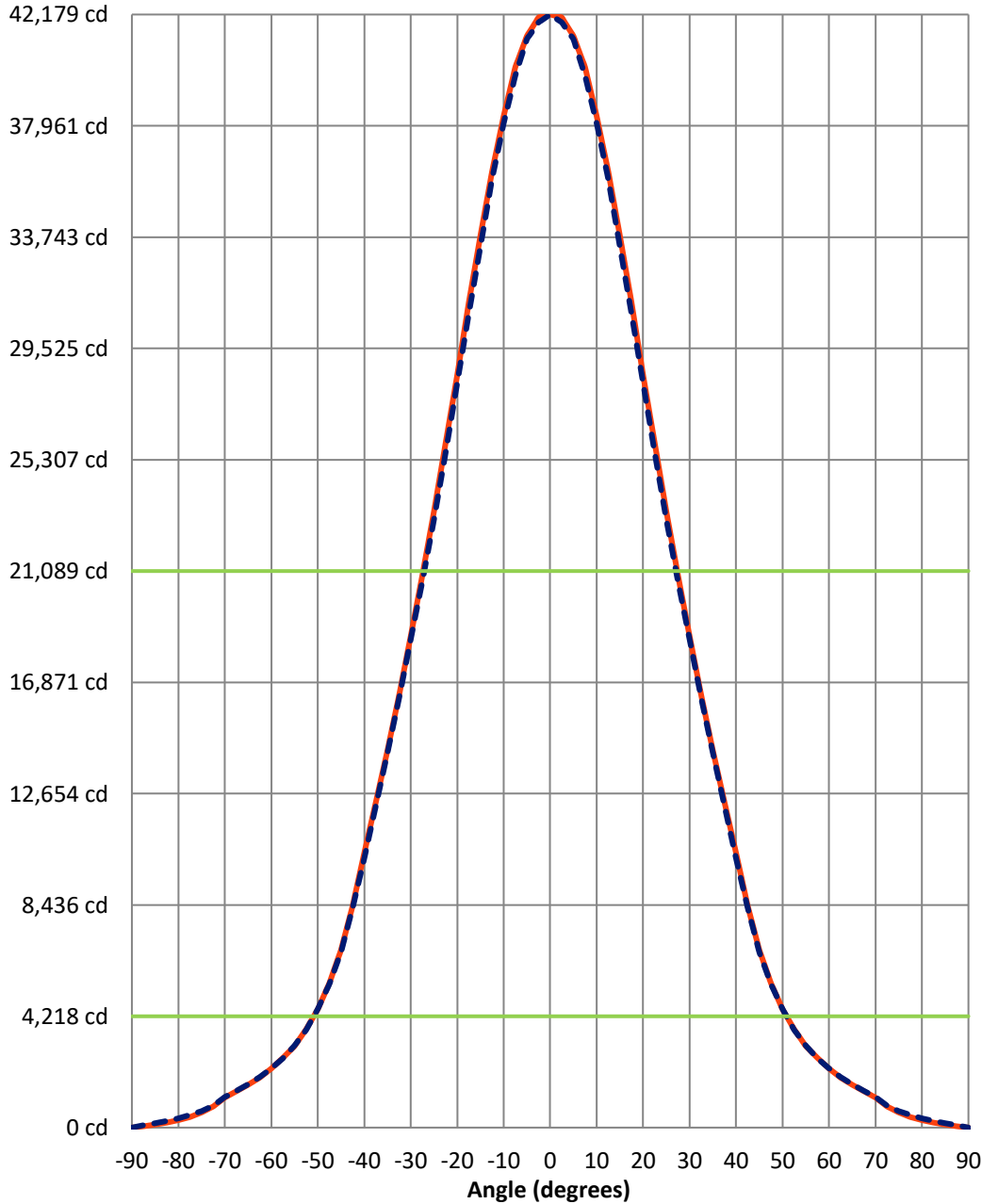
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 54.2°  
V Angle: 54.7°  
Lumens: 21033.3  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 38391.7  
Efficiency: 87.8%

**Spill:**  
Lumens: 5354.6  
Efficiency: 12.2%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	5	9	18	27	36	45	54	58	63	72
85°	0	9	18	32	49	72	94	108	117	130	139
82.5°	0	14	32	49	76	103	139	157	175	193	207
80°	0	18	40	67	99	139	184	207	229	252	270
77.5°	0	23	49	81	126	171	225	256	283	310	337
75°	0	27	58	99	148	198	261	301	337	373	414
72.5°	0	32	67	112	166	225	297	346	387	436	490
70°	0	36	76	130	184	252	333	387	436	494	539
67.5°	0	40	85	139	202	274	360	427	481	535	584
65°	0	40	94	148	216	297	382	463	521	575	634
62.5°	0	45	103	157	229	315	405	494	557	616	683
60°	0	49	108	166	247	333	431	526	589	661	733
57.5°	0	54	112	175	256	346	449	553	629	706	782
55°	0	58	121	184	265	364	467	580	665	746	831
52.5°	0	58	126	189	279	378	485	598	701	791	890
50°	0	63	130	193	288	391	499	620	737	836	939
47.5°	0	67	135	198	292	400	517	643	778	881	993
45°	0	67	139	202	301	414	530	656	805	926	1043
42.5°	0	72	139	207	306	423	544	679	827	971	1097
40°	0	76	144	216	315	427	557	697	854	1016	1146
37.5°	0	76	148	220	319	436	566	715	881	1047	1191
35°	0	81	153	225	324	440	571	733	903	1079	1240
32.5°	0	81	153	234	328	449	580	746	930	1115	1285
30°	0	81	157	238	328	449	593	760	953	1151	1330
27.5°	0	85	157	238	337	454	602	778	975	1191	1375
25°	0	85	162	243	342	454	607	791	1002	1227	1416
22.5°	0	85	162	247	346	458	611	805	1029	1258	1461
20°	0	90	166	252	351	463	616	818	1056	1285	1497
17.5°	0	90	166	252	355	472	620	827	1079	1312	1528
15°	0	94	166	252	355	476	629	831	1101	1335	1560
12.5°	0	94	166	256	355	476	634	840	1124	1357	1582
10°	0	90	171	256	355	481	638	845	1137	1371	1605
7.5°	0	90	171	256	360	481	638	845	1151	1384	1618
5°	0	90	166	256	355	485	638	849	1169	1398	1631
2.5°	0	90	166	252	355	485	629	840	1164	1398	1640
0°	0	90	166	252	355	485	629	840	1164	1398	1640
-2.5°	0	90	166	252	355	485	629	840	1164	1398	1640
-5°	0	90	166	256	355	485	638	849	1169	1398	1631
-7.5°	0	90	171	256	360	481	638	845	1151	1384	1618
-10°	0	90	171	256	355	481	638	845	1137	1371	1605
-12.5°	0	94	166	256	355	476	634	840	1124	1357	1582
-15°	0	94	166	252	355	476	629	831	1101	1335	1560
-17.5°	0	90	166	252	355	472	620	827	1079	1312	1528
-20°	0	90	166	252	351	463	616	818	1056	1285	1497



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	85	162	247	346	458	611	805	1029	1258	1461
-25°	0	85	162	243	342	454	607	791	1002	1227	1416
-27.5°	0	85	157	238	337	454	602	778	975	1191	1375
-30°	0	81	157	238	328	449	593	760	953	1151	1330
-32.5°	0	81	153	234	328	449	580	746	930	1115	1285
-35°	0	81	153	225	324	440	571	733	903	1079	1240
-37.5°	0	76	148	220	319	436	566	715	881	1047	1191
-40°	0	76	144	216	315	427	557	697	854	1016	1146
-42.5°	0	72	139	207	306	423	544	679	827	971	1097
-45°	0	67	139	202	301	414	530	656	805	926	1043
-47.5°	0	67	135	198	292	400	517	643	778	881	993
-50°	0	63	130	193	288	391	499	620	737	836	939
-52.5°	0	58	126	189	279	378	485	598	701	791	890
-55°	0	58	121	184	265	364	467	580	665	746	831
-57.5°	0	54	112	175	256	346	449	553	629	706	782
-60°	0	49	108	166	247	333	431	526	589	661	733
-62.5°	0	45	103	157	229	315	405	494	557	616	683
-65°	0	40	94	148	216	297	382	463	521	575	634
-67.5°	0	40	85	139	202	274	360	427	481	535	584
-70°	0	36	76	130	184	252	333	387	436	494	539
-72.5°	0	32	67	112	166	225	297	346	387	436	490
-75°	0	27	58	99	148	198	261	301	337	373	414
-77.5°	0	23	49	81	126	171	225	256	283	310	337
-80°	0	18	40	67	99	139	184	207	229	252	270
-82.5°	0	14	32	49	76	103	139	157	175	193	207
-85°	0	9	18	32	49	72	94	108	117	130	139
-87.5°	0	5	9	18	27	36	45	54	58	63	72
-90°	0	0	0	0	0	0	0	0	0	0	0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	76	81	85	85	85	81	76	72	81	90	99
85°	148	162	166	175	171	162	157	148	166	184	207
82.5°	220	234	243	252	252	243	234	220	247	274	306
80°	288	306	324	337	337	324	310	292	324	364	405
77.5°	369	391	409	427	423	418	409	400	431	472	512
75°	449	481	494	512	521	517	517	526	562	611	656
72.5°	521	544	571	602	616	625	647	674	710	751	787
70°	580	607	643	674	701	728	760	796	831	872	908
67.5°	634	674	710	751	787	827	867	908	948	993	1038
65°	692	737	782	827	876	926	975	1020	1070	1128	1178
62.5°	751	800	854	908	966	1025	1083	1142	1209	1272	1335
60°	805	867	930	998	1065	1133	1196	1272	1353	1425	1506
57.5°	858	935	1007	1083	1160	1236	1326	1411	1506	1600	1690
55°	917	1007	1088	1173	1258	1357	1456	1564	1667	1789	1901
52.5°	980	1074	1169	1263	1371	1479	1596	1721	1856	1996	2135
50°	1043	1146	1249	1362	1483	1609	1748	1897	2058	2220	2391
47.5°	1101	1214	1339	1461	1600	1748	1910	2090	2270	2472	2688
45°	1164	1285	1420	1569	1721	1897	2090	2288	2517	2746	2998
42.5°	1227	1357	1510	1667	1856	2054	2265	2517	2773	3056	3362
40°	1281	1429	1600	1789	1991	2211	2472	2746	3061	3398	3775
37.5°	1344	1506	1690	1897	2130	2387	2688	3007	3371	3780	4234
35°	1402	1582	1784	2009	2270	2566	2903	3276	3699	4193	4746
32.5°	1461	1658	1874	2121	2409	2746	3128	3569	4067	4634	5326
30°	1519	1726	1960	2229	2553	2935	3375	3865	4440	5155	5977
27.5°	1573	1798	2049	2346	2692	3110	3609	4193	4872	5676	6638
25°	1627	1861	2135	2454	2840	3299	3843	4485	5299	6252	7393
22.5°	1676	1924	2211	2557	2975	3483	4094	4827	5721	6782	8126
20°	1726	1987	2292	2656	3092	3649	4324	5141	6157	7407	8899
17.5°	1766	2045	2369	2760	3236	3820	4535	5456	6553	7982	9645
15°	1807	2094	2436	2849	3362	3991	4764	5730	6971	8526	10292
12.5°	1838	2135	2494	2930	3470	4135	4962	6009	7375	9038	10854
10°	1861	2171	2539	2993	3560	4252	5124	6234	7703	9456	11321
7.5°	1883	2198	2575	3043	3627	4342	5249	6409	7955	9780	11681
5°	1901	2220	2602	3079	3672	4409	5344	6521	8135	10009	11937
2.5°	1915	2238	2625	3110	3708	4481	5429	6643	8305	10202	12166
0°	1915	2243	2625	3110	3703	4494	5443	6652	8328	10198	12197
-2.5°	1915	2238	2625	3110	3708	4481	5429	6643	8305	10202	12166
-5°	1901	2220	2602	3079	3672	4409	5344	6521	8135	10009	11937
-7.5°	1883	2198	2575	3043	3627	4342	5249	6409	7955	9780	11681
-10°	1861	2171	2539	2993	3560	4252	5124	6234	7703	9456	11321
-12.5°	1838	2135	2494	2930	3470	4135	4962	6009	7375	9038	10854
-15°	1807	2094	2436	2849	3362	3991	4764	5730	6971	8526	10292
-17.5°	1766	2045	2369	2760	3236	3820	4535	5456	6553	7982	9645
-20°	1726	1987	2292	2656	3092	3649	4324	5141	6157	7407	8899



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1676	1924	2211	2557	2975	3483	4094	4827	5721	6782	8126
-25°	1627	1861	2135	2454	2840	3299	3843	4485	5299	6252	7393
-27.5°	1573	1798	2049	2346	2692	3110	3609	4193	4872	5676	6638
-30°	1519	1726	1960	2229	2553	2935	3375	3865	4440	5155	5977
-32.5°	1461	1658	1874	2121	2409	2746	3128	3569	4067	4634	5326
-35°	1402	1582	1784	2009	2270	2566	2903	3276	3699	4193	4746
-37.5°	1344	1506	1690	1897	2130	2387	2688	3007	3371	3780	4234
-40°	1281	1429	1600	1789	1991	2211	2472	2746	3061	3398	3775
-42.5°	1227	1357	1510	1667	1856	2054	2265	2517	2773	3056	3362
-45°	1164	1285	1420	1569	1721	1897	2090	2288	2517	2746	2998
-47.5°	1101	1214	1339	1461	1600	1748	1910	2090	2270	2472	2688
-50°	1043	1146	1249	1362	1483	1609	1748	1897	2058	2220	2391
-52.5°	980	1074	1169	1263	1371	1479	1596	1721	1856	1996	2135
-55°	917	1007	1088	1173	1258	1357	1456	1564	1667	1789	1901
-57.5°	858	935	1007	1083	1160	1236	1326	1411	1506	1600	1690
-60°	805	867	930	998	1065	1133	1196	1272	1353	1425	1506
-62.5°	751	800	854	908	966	1025	1083	1142	1209	1272	1335
-65°	692	737	782	827	876	926	975	1020	1070	1128	1178
-67.5°	634	674	710	751	787	827	867	908	948	993	1038
-70°	580	607	643	674	701	728	760	796	831	872	908
-72.5°	521	544	571	602	616	625	647	674	710	751	787
-75°	449	481	494	512	521	517	517	526	562	611	656
-77.5°	369	391	409	427	423	418	409	400	431	472	512
-80°	288	306	324	337	337	324	310	292	324	364	405
-82.5°	220	234	243	252	252	243	234	220	247	274	306
-85°	148	162	166	175	171	162	157	148	166	184	207
-87.5°	76	81	85	85	85	81	76	72	81	90	99
-90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	112	112	112	112	108	112	112	117	121	108	94
85°	225	229	229	229	229	229	229	229	229	207	184
82.5°	337	351	360	373	382	382	378	373	364	328	288
80°	445	467	481	494	508	503	499	490	485	440	396
77.5°	553	580	598	611	625	629	625	625	620	580	530
75°	692	715	733	751	769	778	782	782	782	746	701
72.5°	818	845	872	899	921	935	948	957	966	948	921
70°	948	980	1011	1043	1074	1097	1115	1133	1142	1146	1146
67.5°	1083	1124	1164	1205	1240	1272	1294	1317	1335	1353	1362
65°	1231	1285	1335	1380	1420	1461	1492	1524	1551	1573	1587
62.5°	1398	1461	1519	1578	1622	1672	1721	1766	1802	1834	1856
60°	1582	1658	1730	1802	1874	1933	1996	2049	2094	2135	2171
57.5°	1789	1883	1973	2067	2148	2225	2301	2378	2445	2499	2544
55°	2018	2135	2252	2364	2476	2580	2679	2778	2867	2939	3002
52.5°	2283	2422	2571	2710	2863	2998	3124	3258	3380	3488	3577
50°	2566	2746	2939	3119	3317	3506	3676	3847	4018	4166	4288
47.5°	2899	3115	3366	3613	3856	4112	4351	4575	4809	5007	5173
45°	3258	3560	3856	4189	4494	4840	5168	5497	5784	6072	6314
42.5°	3685	4063	4440	4867	5285	5721	6184	6598	7029	7452	7802
40°	4193	4638	5159	5672	6252	6800	7456	8036	8584	9119	9573
37.5°	4750	5339	5982	6634	7420	8193	8962	9690	10341	10939	11415
35°	5393	6135	6899	7847	8782	9726	10607	11433	12175	12782	13285
32.5°	6130	7007	8063	9164	10247	11294	12346	13164	13937	14629	15222
30°	6912	8054	9285	10517	11699	12836	13896	14881	15779	16557	17222
27.5°	7829	9150	10521	11842	13110	14337	15541	16665	17649	18467	19294
25°	8737	10251	11717	13114	14485	15856	17182	18445	19595	20597	21492
22.5°	9694	11276	12822	14305	15860	17352	18804	20242	21564	22719	23725
20°	10580	12278	13856	15510	17195	18813	20444	22000	23474	24867	26013
17.5°	11371	13101	14822	16566	18404	20238	22008	23694	25375	26997	28426
15°	12076	13892	15658	17559	19541	21514	23487	25343	27235	29033	30633
12.5°	12701	14575	16454	18476	20548	22602	24763	26921	29020	30957	32691
10°	13218	15164	17177	19271	21424	23595	25923	28318	30566	32624	34512
7.5°	13609	15609	17712	19887	22157	24480	26912	29352	31730	33941	35918
5°	13887	15905	18067	20287	22651	25078	27671	30273	32700	34988	37010
2.5°	14139	16170	18373	20507	22916	25433	28031	30727	33208	35559	37810
0°	14206	16278	18503	20696	23038	25563	28211	30844	33388	35941	38058
-2.5°	14139	16170	18373	20507	22916	25433	28031	30727	33208	35559	37810
-5°	13887	15905	18067	20287	22651	25078	27671	30273	32700	34988	37010
-7.5°	13609	15609	17712	19887	22157	24480	26912	29352	31730	33941	35918
-10°	13218	15164	17177	19271	21424	23595	25923	28318	30566	32624	34512
-12.5°	12701	14575	16454	18476	20548	22602	24763	26921	29020	30957	32691
-15°	12076	13892	15658	17559	19541	21514	23487	25343	27235	29033	30633
-17.5°	11371	13101	14822	16566	18404	20238	22008	23694	25375	26997	28426
-20°	10580	12278	13856	15510	17195	18813	20444	22000	23474	24867	26013



REPORT NUMBER: P622313  
 CATALOG NUMBER: IFLD-L-SA7E-827-U-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9694	11276	12822	14305	15860	17352	18804	20242	21564	22719	23725
-25°	8737	10251	11717	13114	14485	15856	17182	18445	19595	20597	21492
-27.5°	7829	9150	10521	11842	13110	14337	15541	16665	17649	18467	19294
-30°	6912	8054	9285	10517	11699	12836	13896	14881	15779	16557	17222
-32.5°	6130	7007	8063	9164	10247	11294	12346	13164	13937	14629	15222
-35°	5393	6135	6899	7847	8782	9726	10607	11433	12175	12782	13285
-37.5°	4750	5339	5982	6634	7420	8193	8962	9690	10341	10939	11415
-40°	4193	4638	5159	5672	6252	6800	7456	8036	8584	9119	9573
-42.5°	3685	4063	4440	4867	5285	5721	6184	6598	7029	7452	7802
-45°	3258	3560	3856	4189	4494	4840	5168	5497	5784	6072	6314
-47.5°	2899	3115	3366	3613	3856	4112	4351	4575	4809	5007	5173
-50°	2566	2746	2939	3119	3317	3506	3676	3847	4018	4166	4288
-52.5°	2283	2422	2571	2710	2863	2998	3124	3258	3380	3488	3577
-55°	2018	2135	2252	2364	2476	2580	2679	2778	2867	2939	3002
-57.5°	1789	1883	1973	2067	2148	2225	2301	2378	2445	2499	2544
-60°	1582	1658	1730	1802	1874	1933	1996	2049	2094	2135	2171
-62.5°	1398	1461	1519	1578	1622	1672	1721	1766	1802	1834	1856
-65°	1231	1285	1335	1380	1420	1461	1492	1524	1551	1573	1587
-67.5°	1083	1124	1164	1205	1240	1272	1294	1317	1335	1353	1362
-70°	948	980	1011	1043	1074	1097	1115	1133	1142	1146	1146
-72.5°	818	845	872	899	921	935	948	957	966	948	921
-75°	692	715	733	751	769	778	782	782	782	746	701
-77.5°	553	580	598	611	625	629	625	625	620	580	530
-80°	445	467	481	494	508	503	499	490	485	440	396
-82.5°	337	351	360	373	382	382	378	373	364	328	288
-85°	225	229	229	229	229	229	229	229	229	207	184
-87.5°	112	112	112	112	108	112	112	117	121	108	94
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622313  
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**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°	76	63	58	49	58	63	76	94	108	121	117
85°	157	130	126	117	126	130	157	184	207	229	229
82.5°	252	207	198	189	198	207	252	288	328	364	373
80°	355	301	292	283	292	301	355	396	440	485	490
77.5°	481	431	414	400	414	431	481	530	580	620	625
75°	652	602	589	575	589	602	652	701	746	782	782
72.5°	890	867	831	800	831	867	890	921	948	966	957
70°	1151	1160	1151	1137	1151	1160	1151	1146	1146	1142	1133
67.5°	1366	1375	1375	1380	1375	1375	1366	1362	1353	1335	1317
65°	1600	1605	1618	1622	1618	1605	1600	1587	1573	1551	1524
62.5°	1870	1883	1892	1892	1892	1883	1870	1856	1834	1802	1766
60°	2193	2211	2234	2238	2234	2211	2193	2171	2135	2094	2049
57.5°	2580	2602	2634	2643	2634	2602	2580	2544	2499	2445	2378
55°	3047	3079	3097	3088	3097	3079	3047	3002	2939	2867	2778
52.5°	3654	3708	3744	3726	3744	3708	3654	3577	3488	3380	3258
50°	4386	4454	4499	4485	4499	4454	4386	4288	4166	4018	3847
47.5°	5303	5398	5474	5479	5474	5398	5303	5173	5007	4809	4575
45°	6508	6647	6750	6732	6750	6647	6508	6314	6072	5784	5497
42.5°	8072	8265	8418	8404	8418	8265	8072	7802	7452	7029	6598
40°	9910	10148	10350	10404	10350	10148	9910	9573	9119	8584	8036
37.5°	11802	12108	12364	12337	12364	12108	11802	11415	10939	10341	9690
35°	13703	14022	14274	14296	14274	14022	13703	13285	12782	12175	11433
32.5°	15694	16049	16346	16386	16346	16049	15694	15222	14629	13937	13164
30°	17770	18197	18552	18624	18552	18197	17770	17222	16557	15779	14881
27.5°	19955	20462	20800	20930	20800	20462	19955	19294	18467	17649	16665
25°	22206	22759	23137	23348	23137	22759	22206	21492	20597	19595	18445
22.5°	24557	25213	25703	25936	25703	25213	24557	23725	22719	21564	20242
20°	26984	27698	28269	28512	28269	27698	26984	26013	24867	23474	22000
17.5°	29455	30327	30961	31271	30961	30327	29455	28426	26997	25375	23694
15°	31855	32781	33469	33801	33469	32781	31855	30633	29033	27235	25343
12.5°	34080	35060	35747	36228	35747	35060	34080	32691	30957	29020	26921
10°	36067	37136	37833	38332	37833	37136	36067	34512	32624	30566	28318
7.5°	37554	38907	39693	40183	39693	38907	37554	35918	33941	31730	29352
5°	38696	40188	40902	41365	40902	40188	38696	37010	34988	32700	30273
2.5°	39532	40709	41604	42066	41604	40709	39532	37810	35559	33208	30727
0°	39860	41244	41878	42179	41878	41244	39860	38058	35941	33388	30844
-2.5°	39532	40709	41604	42066	41604	40709	39532	37810	35559	33208	30727
-5°	38696	40188	40902	41365	40902	40188	38696	37010	34988	32700	30273
-7.5°	37554	38907	39693	40183	39693	38907	37554	35918	33941	31730	29352
-10°	36067	37136	37833	38332	37833	37136	36067	34512	32624	30566	28318
-12.5°	34080	35060	35747	36228	35747	35060	34080	32691	30957	29020	26921
-15°	31855	32781	33469	33801	33469	32781	31855	30633	29033	27235	25343
-17.5°	29455	30327	30961	31271	30961	30327	29455	28426	26997	25375	23694
-20°	26984	27698	28269	28512	28269	27698	26984	26013	24867	23474	22000



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	24557	25213	25703	25936	25703	25213	24557	23725	22719	21564	20242
-25°	22206	22759	23137	23348	23137	22759	22206	21492	20597	19595	18445
-27.5°	19955	20462	20800	20930	20800	20462	19955	19294	18467	17649	16665
-30°	17770	18197	18552	18624	18552	18197	17770	17222	16557	15779	14881
-32.5°	15694	16049	16346	16386	16346	16049	15694	15222	14629	13937	13164
-35°	13703	14022	14274	14296	14274	14022	13703	13285	12782	12175	11433
-37.5°	11802	12108	12364	12337	12364	12108	11802	11415	10939	10341	9690
-40°	9910	10148	10350	10404	10350	10148	9910	9573	9119	8584	8036
-42.5°	8072	8265	8418	8404	8418	8265	8072	7802	7452	7029	6598
-45°	6508	6647	6750	6732	6750	6647	6508	6314	6072	5784	5497
-47.5°	5303	5398	5474	5479	5474	5398	5303	5173	5007	4809	4575
-50°	4386	4454	4499	4485	4499	4454	4386	4288	4166	4018	3847
-52.5°	3654	3708	3744	3726	3744	3708	3654	3577	3488	3380	3258
-55°	3047	3079	3097	3088	3097	3079	3047	3002	2939	2867	2778
-57.5°	2580	2602	2634	2643	2634	2602	2580	2544	2499	2445	2378
-60°	2193	2211	2234	2238	2234	2211	2193	2171	2135	2094	2049
-62.5°	1870	1883	1892	1892	1892	1883	1870	1856	1834	1802	1766
-65°	1600	1605	1618	1622	1618	1605	1600	1587	1573	1551	1524
-67.5°	1366	1375	1375	1380	1375	1375	1366	1362	1353	1335	1317
-70°	1151	1160	1151	1137	1151	1160	1151	1146	1146	1142	1133
-72.5°	890	867	831	800	831	867	890	921	948	966	957
-75°	652	602	589	575	589	602	652	701	746	782	782
-77.5°	481	431	414	400	414	431	481	530	580	620	625
-80°	355	301	292	283	292	301	355	396	440	485	490
-82.5°	252	207	198	189	198	207	252	288	328	364	373
-85°	157	130	126	117	126	130	157	184	207	229	229
-87.5°	76	63	58	49	58	63	76	94	108	121	117
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P622313  
 CATALOG NUMBER: IFLD-L-SA7E-827-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°	112	112	108	112	112	112	112	99	90	81	72
85°	229	229	229	229	229	229	225	207	184	166	148
82.5°	378	382	382	373	360	351	337	306	274	247	220
80°	499	503	508	494	481	467	445	405	364	324	292
77.5°	625	629	625	611	598	580	553	512	472	431	400
75°	782	778	769	751	733	715	692	656	611	562	526
72.5°	948	935	921	899	872	845	818	787	751	710	674
70°	1115	1097	1074	1043	1011	980	948	908	872	831	796
67.5°	1294	1272	1240	1205	1164	1124	1083	1038	993	948	908
65°	1492	1461	1420	1380	1335	1285	1231	1178	1128	1070	1020
62.5°	1721	1672	1622	1578	1519	1461	1398	1335	1272	1209	1142
60°	1996	1933	1874	1802	1730	1658	1582	1506	1425	1353	1272
57.5°	2301	2225	2148	2067	1973	1883	1789	1690	1600	1506	1411
55°	2679	2580	2476	2364	2252	2135	2018	1901	1789	1667	1564
52.5°	3124	2998	2863	2710	2571	2422	2283	2135	1996	1856	1721
50°	3676	3506	3317	3119	2939	2746	2566	2391	2220	2058	1897
47.5°	4351	4112	3856	3613	3366	3115	2899	2688	2472	2270	2090
45°	5168	4840	4494	4189	3856	3560	3258	2998	2746	2517	2288
42.5°	6184	5721	5285	4867	4440	4063	3685	3362	3056	2773	2517
40°	7456	6800	6252	5672	5159	4638	4193	3775	3398	3061	2746
37.5°	8962	8193	7420	6634	5982	5339	4750	4234	3780	3371	3007
35°	10607	9726	8782	7847	6899	6135	5393	4746	4193	3699	3276
32.5°	12346	11294	10247	9164	8063	7007	6130	5326	4634	4067	3569
30°	13896	12836	11699	10517	9285	8054	6912	5977	5155	4440	3865
27.5°	15541	14337	13110	11842	10521	9150	7829	6638	5676	4872	4193
25°	17182	15856	14485	13114	11717	10251	8737	7393	6252	5299	4485
22.5°	18804	17352	15860	14305	12822	11276	9694	8126	6782	5721	4827
20°	20444	18813	17195	15510	13856	12278	10580	8899	7407	6157	5141
17.5°	22008	20238	18404	16566	14822	13101	11371	9645	7982	6553	5456
15°	23487	21514	19541	17559	15658	13892	12076	10292	8526	6971	5730
12.5°	24763	22602	20548	18476	16454	14575	12701	10854	9038	7375	6009
10°	25923	23595	21424	19271	17177	15164	13218	11321	9456	7703	6234
7.5°	26912	24480	22157	19887	17712	15609	13609	11681	9780	7955	6409
5°	27671	25078	22651	20287	18067	15905	13887	11937	10009	8135	6521
2.5°	28031	25433	22916	20507	18373	16170	14139	12166	10202	8305	6643
0°	28211	25563	23038	20696	18503	16278	14206	12197	10198	8328	6652
-2.5°	28031	25433	22916	20507	18373	16170	14139	12166	10202	8305	6643
-5°	27671	25078	22651	20287	18067	15905	13887	11937	10009	8135	6521
-7.5°	26912	24480	22157	19887	17712	15609	13609	11681	9780	7955	6409
-10°	25923	23595	21424	19271	17177	15164	13218	11321	9456	7703	6234
-12.5°	24763	22602	20548	18476	16454	14575	12701	10854	9038	7375	6009
-15°	23487	21514	19541	17559	15658	13892	12076	10292	8526	6971	5730
-17.5°	22008	20238	18404	16566	14822	13101	11371	9645	7982	6553	5456
-20°	20444	18813	17195	15510	13856	12278	10580	8899	7407	6157	5141





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18804	17352	15860	14305	12822	11276	9694	8126	6782	5721	4827
-25°	17182	15856	14485	13114	11717	10251	8737	7393	6252	5299	4485
-27.5°	15541	14337	13110	11842	10521	9150	7829	6638	5676	4872	4193
-30°	13896	12836	11699	10517	9285	8054	6912	5977	5155	4440	3865
-32.5°	12346	11294	10247	9164	8063	7007	6130	5326	4634	4067	3569
-35°	10607	9726	8782	7847	6899	6135	5393	4746	4193	3699	3276
-37.5°	8962	8193	7420	6634	5982	5339	4750	4234	3780	3371	3007
-40°	7456	6800	6252	5672	5159	4638	4193	3775	3398	3061	2746
-42.5°	6184	5721	5285	4867	4440	4063	3685	3362	3056	2773	2517
-45°	5168	4840	4494	4189	3856	3560	3258	2998	2746	2517	2288
-47.5°	4351	4112	3856	3613	3366	3115	2899	2688	2472	2270	2090
-50°	3676	3506	3317	3119	2939	2746	2566	2391	2220	2058	1897
-52.5°	3124	2998	2863	2710	2571	2422	2283	2135	1996	1856	1721
-55°	2679	2580	2476	2364	2252	2135	2018	1901	1789	1667	1564
-57.5°	2301	2225	2148	2067	1973	1883	1789	1690	1600	1506	1411
-60°	1996	1933	1874	1802	1730	1658	1582	1506	1425	1353	1272
-62.5°	1721	1672	1622	1578	1519	1461	1398	1335	1272	1209	1142
-65°	1492	1461	1420	1380	1335	1285	1231	1178	1128	1070	1020
-67.5°	1294	1272	1240	1205	1164	1124	1083	1038	993	948	908
-70°	1115	1097	1074	1043	1011	980	948	908	872	831	796
-72.5°	948	935	921	899	872	845	818	787	751	710	674
-75°	782	778	769	751	733	715	692	656	611	562	526
-77.5°	625	629	625	611	598	580	553	512	472	431	400
-80°	499	503	508	494	481	467	445	405	364	324	292
-82.5°	378	382	382	373	360	351	337	306	274	247	220
-85°	229	229	229	229	229	229	225	207	184	166	148
-87.5°	112	112	108	112	112	112	112	99	90	81	72
-90°	0	0	0	0	0	0	0	0	0	0	0





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 CATALOG NUMBER: IFLD-L-SA7E-827-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°	76	81	85	85	85	81	76	72	63	58	54
85°	157	162	171	175	166	162	148	139	130	117	108
82.5°	234	243	252	252	243	234	220	207	193	175	157
80°	310	324	337	337	324	306	288	270	252	229	207
77.5°	409	418	423	427	409	391	369	337	310	283	256
75°	517	517	521	512	494	481	449	414	373	337	301
72.5°	647	625	616	602	571	544	521	490	436	387	346
70°	760	728	701	674	643	607	580	539	494	436	387
67.5°	867	827	787	751	710	674	634	584	535	481	427
65°	975	926	876	827	782	737	692	634	575	521	463
62.5°	1083	1025	966	908	854	800	751	683	616	557	494
60°	1196	1133	1065	998	930	867	805	733	661	589	526
57.5°	1326	1236	1160	1083	1007	935	858	782	706	629	553
55°	1456	1357	1258	1173	1088	1007	917	831	746	665	580
52.5°	1596	1479	1371	1263	1169	1074	980	890	791	701	598
50°	1748	1609	1483	1362	1249	1146	1043	939	836	737	620
47.5°	1910	1748	1600	1461	1339	1214	1101	993	881	778	643
45°	2090	1897	1721	1569	1420	1285	1164	1043	926	805	656
42.5°	2265	2054	1856	1667	1510	1357	1227	1097	971	827	679
40°	2472	2211	1991	1789	1600	1429	1281	1146	1016	854	697
37.5°	2688	2387	2130	1897	1690	1506	1344	1191	1047	881	715
35°	2903	2566	2270	2009	1784	1582	1402	1240	1079	903	733
32.5°	3128	2746	2409	2121	1874	1658	1461	1285	1115	930	746
30°	3375	2935	2553	2229	1960	1726	1519	1330	1151	953	760
27.5°	3609	3110	2692	2346	2049	1798	1573	1375	1191	975	778
25°	3843	3299	2840	2454	2135	1861	1627	1416	1227	1002	791
22.5°	4094	3483	2975	2557	2211	1924	1676	1461	1258	1029	805
20°	4324	3649	3092	2656	2292	1987	1726	1497	1285	1056	818
17.5°	4535	3820	3236	2760	2369	2045	1766	1528	1312	1079	827
15°	4764	3991	3362	2849	2436	2094	1807	1560	1335	1101	831
12.5°	4962	4135	3470	2930	2494	2135	1838	1582	1357	1124	840
10°	5124	4252	3560	2993	2539	2171	1861	1605	1371	1137	845
7.5°	5249	4342	3627	3043	2575	2198	1883	1618	1384	1151	845
5°	5344	4409	3672	3079	2602	2220	1901	1631	1398	1169	849
2.5°	5429	4481	3708	3110	2625	2238	1915	1640	1398	1164	840
0°	5443	4494	3703	3110	2625	2243	1915	1640	1393	1160	831
-2.5°	5429	4481	3708	3110	2625	2238	1915	1640	1398	1164	840
-5°	5344	4409	3672	3079	2602	2220	1901	1631	1398	1169	849
-7.5°	5249	4342	3627	3043	2575	2198	1883	1618	1384	1151	845
-10°	5124	4252	3560	2993	2539	2171	1861	1605	1371	1137	845
-12.5°	4962	4135	3470	2930	2494	2135	1838	1582	1357	1124	840
-15°	4764	3991	3362	2849	2436	2094	1807	1560	1335	1101	831
-17.5°	4535	3820	3236	2760	2369	2045	1766	1528	1312	1079	827
-20°	4324	3649	3092	2656	2292	1987	1726	1497	1285	1056	818



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4094	3483	2975	2557	2211	1924	1676	1461	1258	1029	805
-25°	3843	3299	2840	2454	2135	1861	1627	1416	1227	1002	791
-27.5°	3609	3110	2692	2346	2049	1798	1573	1375	1191	975	778
-30°	3375	2935	2553	2229	1960	1726	1519	1330	1151	953	760
-32.5°	3128	2746	2409	2121	1874	1658	1461	1285	1115	930	746
-35°	2903	2566	2270	2009	1784	1582	1402	1240	1079	903	733
-37.5°	2688	2387	2130	1897	1690	1506	1344	1191	1047	881	715
-40°	2472	2211	1991	1789	1600	1429	1281	1146	1016	854	697
-42.5°	2265	2054	1856	1667	1510	1357	1227	1097	971	827	679
-45°	2090	1897	1721	1569	1420	1285	1164	1043	926	805	656
-47.5°	1910	1748	1600	1461	1339	1214	1101	993	881	778	643
-50°	1748	1609	1483	1362	1249	1146	1043	939	836	737	620
-52.5°	1596	1479	1371	1263	1169	1074	980	890	791	701	598
-55°	1456	1357	1258	1173	1088	1007	917	831	746	665	580
-57.5°	1326	1236	1160	1083	1007	935	858	782	706	629	553
-60°	1196	1133	1065	998	930	867	805	733	661	589	526
-62.5°	1083	1025	966	908	854	800	751	683	616	557	494
-65°	975	926	876	827	782	737	692	634	575	521	463
-67.5°	867	827	787	751	710	674	634	584	535	481	427
-70°	760	728	701	674	643	607	580	539	494	436	387
-72.5°	647	625	616	602	571	544	521	490	436	387	346
-75°	517	517	521	512	494	481	449	414	373	337	301
-77.5°	409	418	423	427	409	391	369	337	310	283	256
-80°	310	324	337	337	324	306	288	270	252	229	207
-82.5°	234	243	252	252	243	234	220	207	193	175	157
-85°	157	162	171	175	166	162	148	139	130	117	108
-87.5°	76	81	85	85	85	81	76	72	63	58	54
-90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	45	36	27	18	9	5	0
85°	94	72	49	32	18	9	0
82.5°	139	103	76	49	32	14	0
80°	184	139	99	67	40	18	0
77.5°	225	171	126	81	49	23	0
75°	261	198	148	99	58	27	0
72.5°	297	225	166	112	67	32	0
70°	333	252	184	130	76	36	0
67.5°	360	274	202	139	85	40	0
65°	382	297	216	148	94	40	0
62.5°	405	315	229	157	103	45	0
60°	431	333	247	166	108	49	0
57.5°	449	346	256	175	112	54	0
55°	467	364	265	184	121	58	0
52.5°	485	378	279	189	126	58	0
50°	499	391	288	193	130	63	0
47.5°	517	400	292	198	135	67	0
45°	530	414	301	202	139	67	0
42.5°	544	423	306	207	139	72	0
40°	557	427	315	216	144	76	0
37.5°	566	436	319	220	148	76	0
35°	571	440	324	225	153	81	0
32.5°	580	449	328	234	153	81	0
30°	593	449	328	238	157	81	0
27.5°	602	454	337	238	157	85	0
25°	607	454	342	243	162	85	0
22.5°	611	458	346	247	162	85	0
20°	616	463	351	252	166	90	0
17.5°	620	472	355	252	166	90	0
15°	629	476	355	252	166	94	0
12.5°	634	476	355	256	166	94	0
10°	638	481	355	256	171	90	0
7.5°	638	481	360	256	171	90	0
5°	638	485	355	256	166	90	0
2.5°	629	485	355	252	166	90	0
0°	625	481	351	252	166	90	0
-2.5°	629	485	355	252	166	90	0
-5°	638	485	355	256	166	90	0
-7.5°	638	481	360	256	171	90	0
-10°	638	481	355	256	171	90	0
-12.5°	634	476	355	256	166	94	0
-15°	629	476	355	252	166	94	0
-17.5°	620	472	355	252	166	90	0
-20°	616	463	351	252	166	90	0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	611	458	346	247	162	85	0
-25°	607	454	342	243	162	85	0
-27.5°	602	454	337	238	157	85	0
-30°	593	449	328	238	157	81	0
-32.5°	580	449	328	234	153	81	0
-35°	571	440	324	225	153	81	0
-37.5°	566	436	319	220	148	76	0
-40°	557	427	315	216	144	76	0
-42.5°	544	423	306	207	139	72	0
-45°	530	414	301	202	139	67	0
-47.5°	517	400	292	198	135	67	0
-50°	499	391	288	193	130	63	0
-52.5°	485	378	279	189	126	58	0
-55°	467	364	265	184	121	58	0
-57.5°	449	346	256	175	112	54	0
-60°	431	333	247	166	108	49	0
-62.5°	405	315	229	157	103	45	0
-65°	382	297	216	148	94	40	0
-67.5°	360	274	202	139	85	40	0
-70°	333	252	184	130	76	36	0
-72.5°	297	225	166	112	67	32	0
-75°	261	198	148	99	58	27	0
-77.5°	225	171	126	81	49	23	0
-80°	184	139	99	67	40	18	0
-82.5°	139	103	76	49	32	14	0
-85°	94	72	49	32	18	9	0
-87.5°	45	36	27	18	9	5	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)