

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-735-U-MR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-735-U-MR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35803.3 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 126236 candela
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V
Beam Lumens: 17902 lumens
Beam Efficiency: 50.0%

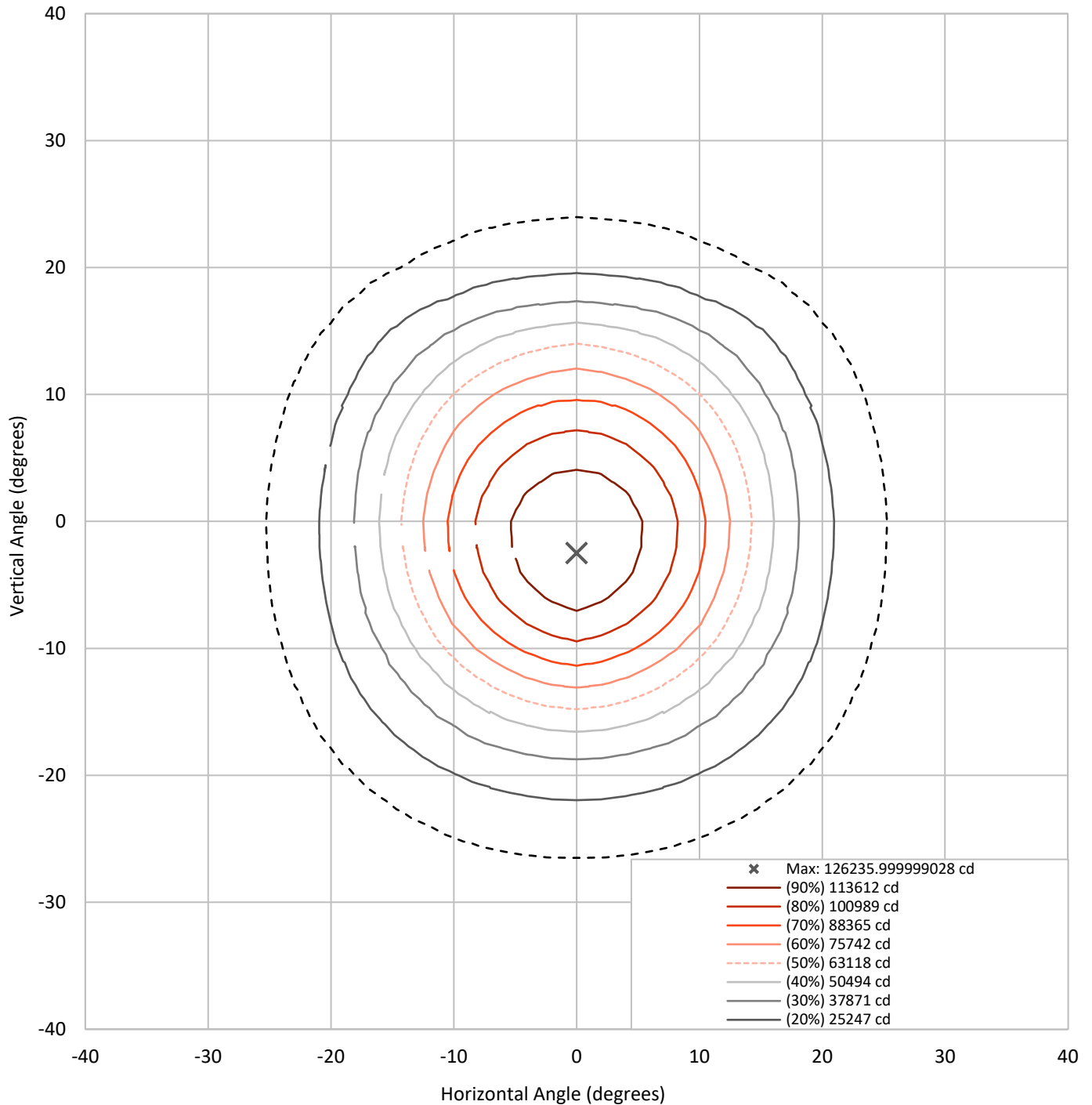
Field Angle (10%): 50.2°H x 50.4°V
Field Lumens: 30761.7 lumens
Field Efficiency: 85.9%

Input Watts (W): 271.3
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



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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

Iso-Candela Plot





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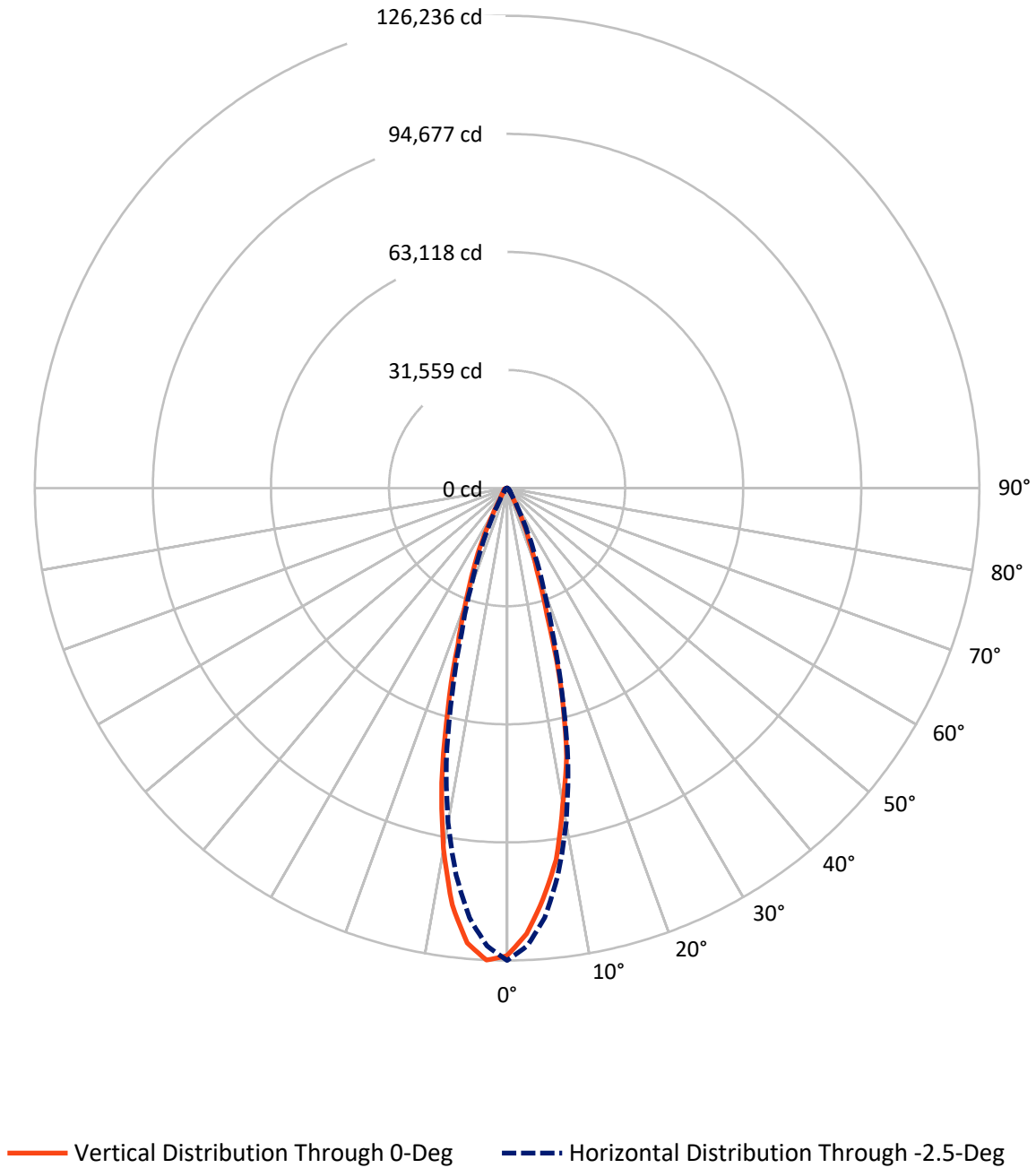
CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

Lumen Table

90																								
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
70																								
60	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0								
50		0.0	0.2	1.0	2.4	4.1	5.7	6.8	6.8	5.7	4.1	2.4	1.0	0.2	0.0									
40	0.1	0.2	1.2	3.9	7.5	11.6	16.3	19.1	19.1	16.3	11.6	7.5	3.9	1.2	0.2	0.1								
30		0.5	3.0	7.7	14.1	23.1	38.6	51.5	51.5	38.6	23.1	14.1	7.7	3.0	0.5									
20	0.3	1.1	4.8	11.7	22.2	54.1	169.9	311.6	311.6	169.9	54.1	22.2	11.7	4.8	1.1	0.3								
10		1.8	6.7	15.9	38.1	186.5	758.2	1484.6	1484.6	758.2	186.5	38.1	15.9	6.7	1.8									
0	0.5	2.3	8.1	18.9	54.6	355.4	1531.0	3000.8	3000.8	1531.0	355.4	54.6	18.9	8.1	2.3	0.5								
-10		2.6	8.8	20.0	58.4	372.3	1570.9	3181.9	3181.9	1570.9	372.3	58.4	20.0	8.8	2.6									
-20	0.7	2.8	9.0	19.5	48.0	228.6	868.7	1683.9	1683.9	868.7	228.6	48.0	19.5	9.0	2.8	0.7								
-30		2.7	8.5	17.8	35.2	88.8	269.0	480.0	480.0	269.0	88.8	35.2	17.8	8.5	2.7									
-40	0.6	2.3	7.6	15.4	26.7	43.8	71.5	95.7	95.7	71.5	43.8	26.7	15.4	7.6	2.3	0.6								
-50		2.0	6.3	12.8	21.1	30.2	39.8	44.6	44.6	39.8	30.2	21.1	12.8	6.3	2.0									
-60	0.4	1.5	4.7	10.0	16.5	22.9	28.7	31.2	31.2	28.7	22.9	16.5	10.0	4.7	1.5	0.4								
-70		0.9	3.0	6.5	11.0	15.6	19.6	21.7	21.7	19.6	15.6	11.0	6.5	3.0	0.9									
-80	0.1	2.3	10.6	22.8	28.9	22.8	10.6	2.3	0.1															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

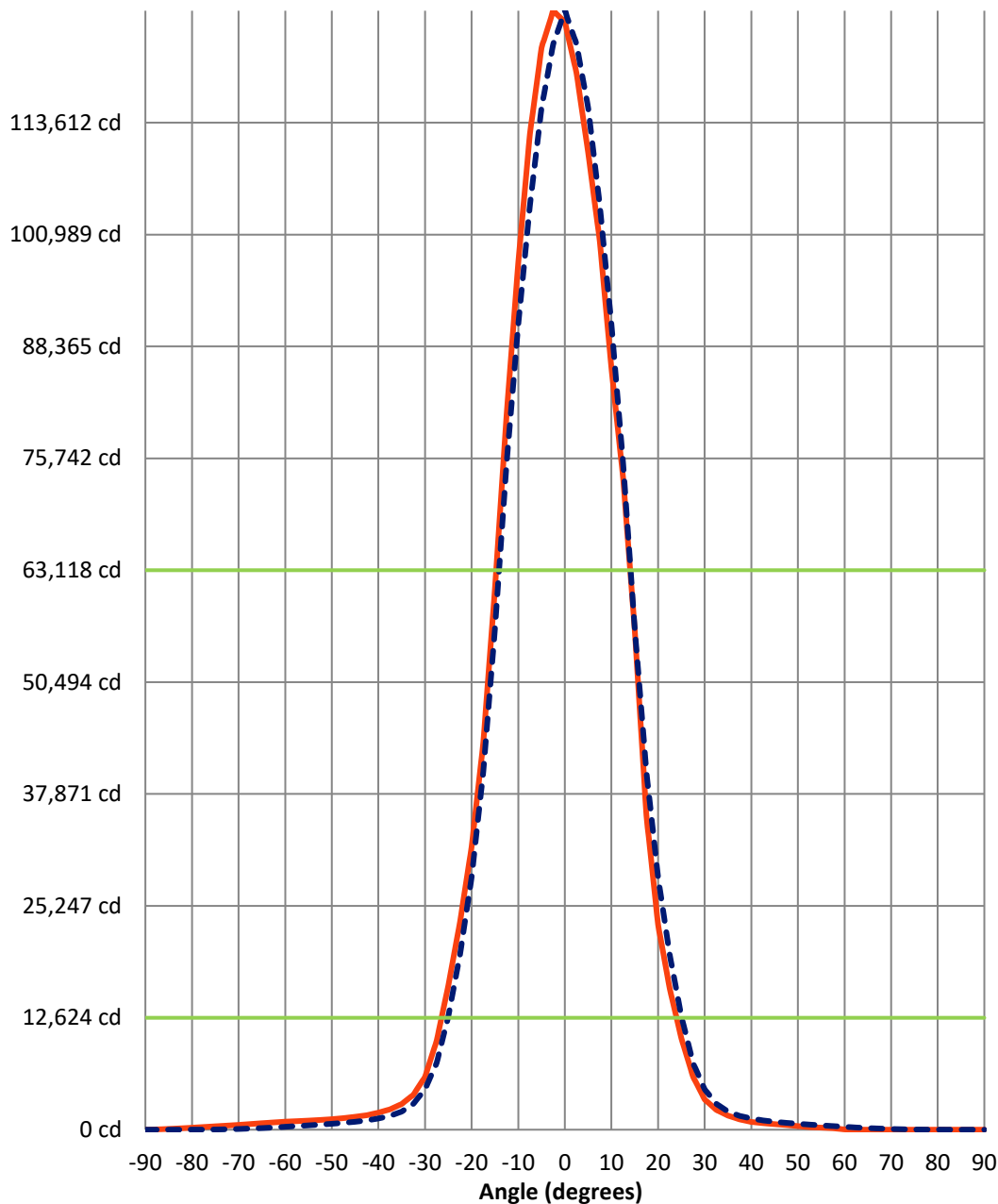
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.2°
 V Angle: 28.7°
 Lumens: 17902
 Efficiency: 50.0%

Field:
 H Angle: 50.2°
 V Angle: 50.4°
 Lumens: 30761.7
 Efficiency: 85.9%

Spill:
 Lumens: 5041.6
 Efficiency: 14.1%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -2.5-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	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	1
60°	0	0	0	0	0	0	0	0	0	2	2
57.5°	0	0	0	0	0	0	0	0	1	3	3
55°	0	0	0	0	0	0	1	0	3	5	3
52.5°	0	0	0	0	0	0	1	2	6	5	4
50°	0	0	0	0	0	1	2	4	7	6	5
47.5°	0	0	0	0	0	2	3	6	8	6	7
45°	0	0	0	0	0	3	4	7	8	7	8
42.5°	0	0	0	0	0	3	5	8	8	8	13
40°	0	0	0	0	0	4	6	8	8	8	19
37.5°	0	0	0	0	1	6	7	8	10	12	26
35°	0	0	0	0	2	6	8	8	12	19	34
32.5°	0	0	0	0	3	7	8	8	15	26	43
30°	0	0	0	0	4	7	8	8	18	33	53
27.5°	0	0	0	0	4	8	8	11	22	40	63
25°	0	0	0	0	5	8	8	14	28	48	74
22.5°	0	0	0	0	5	8	8	17	34	57	89
20°	0	0	0	0	6	8	8	20	39	66	102
17.5°	0	0	0	0	6	8	8	23	43	75	115
15°	0	0	0	0	7	8	9	27	48	83	126
12.5°	0	0	0	0	7	8	10	31	52	92	136
10°	0	0	0	0	7	8	11	35	57	100	145
7.5°	0	0	0	0	8	8	12	38	61	108	154
5°	0	0	0	0	8	8	14	42	65	115	162
2.5°	0	0	0	0	8	8	15	45	68	122	169
0°	0	0	0	0	8	8	16	48	71	127	175
-2.5°	0	0	0	1	8	9	19	49	79	132	180
-5°	0	0	0	1	8	10	22	49	85	135	184
-7.5°	0	0	0	2	8	10	25	50	90	138	187
-10°	0	0	0	2	8	11	27	50	94	141	189
-12.5°	0	0	0	2	7	12	29	51	97	143	193
-15°	0	0	0	3	7	12	30	51	97	145	197
-17.5°	0	0	0	3	7	13	31	53	97	146	199
-20°	0	0	0	3	7	13	32	55	95	145	199

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	4	7	13	33	57	93	143	196
-25°	0	0	0	4	7	14	33	59	91	140	191
-27.5°	0	0	0	4	8	15	33	59	88	136	187
-30°	0	0	0	4	8	15	33	59	87	132	181
-32.5°	0	0	0	3	9	16	32	59	87	127	174
-35°	0	0	0	3	9	16	32	58	86	122	165
-37.5°	0	0	0	3	10	16	32	56	84	117	160
-40°	0	0	0	2	10	17	32	54	81	113	156
-42.5°	0	0	0	2	10	17	31	52	78	109	150
-45°	0	0	0	1	10	17	30	50	75	105	143
-47.5°	0	0	0	1	9	17	28	48	72	98	136
-50°	0	0	0	1	9	17	27	45	68	93	126
-52.5°	0	0	0	1	8	16	26	42	63	88	116
-55°	0	0	0	2	7	15	25	38	58	81	107
-57.5°	0	0	0	2	7	14	23	35	52	74	98
-60°	0	0	0	2	6	13	21	32	47	66	88
-62.5°	0	0	0	2	6	12	19	28	42	58	78
-65°	0	0	0	2	5	11	18	25	38	52	68
-67.5°	0	0	0	2	5	10	16	23	33	46	60
-70°	0	0	0	2	5	9	15	21	29	39	52
-72.5°	0	0	0	2	4	8	13	18	24	33	43
-75°	0	0	0	1	4	7	12	15	20	26	35
-77.5°	0	0	0	1	3	6	10	13	16	20	26
-80°	0	0	0	1	3	5	8	10	12	15	19
-82.5°	0	0	0	1	2	4	6	7	8	10	12
-85°	0	0	0	1	1	3	4	5	5	6	7
-87.5°	0	0	0	0	1	1	2	2	3	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

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°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	1	2	1	2	3
60°	1	0	1	2	2	4	5	6	7	8	16
57.5°	1	2	4	4	6	9	13	15	25	36	44
55°	2	5	6	7	11	19	26	40	53	70	84
52.5°	5	8	7	12	23	34	51	70	90	106	120
50°	7	9	10	25	40	58	82	108	127	142	164
47.5°	10	12	24	41	61	88	121	143	160	189	222
45°	15	23	39	60	88	125	153	174	205	239	273
42.5°	21	36	57	79	122	158	185	215	249	286	323
40°	31	47	76	112	155	190	224	258	292	337	376
37.5°	41	66	98	142	186	225	264	302	345	391	436
35°	50	84	123	170	215	262	305	349	401	453	504
32.5°	64	103	147	196	246	297	344	402	457	512	575
30°	81	123	169	222	274	329	390	453	507	570	638
27.5°	99	141	192	247	300	360	433	497	556	623	698
25°	116	160	214	269	328	396	474	539	602	677	764
22.5°	132	179	238	289	354	433	513	586	657	731	833
20°	148	200	260	317	380	468	552	634	716	809	924
17.5°	163	220	283	345	416	502	591	682	774	888	1031
15°	177	237	304	372	448	537	630	729	837	970	1133
12.5°	190	254	325	397	477	568	664	768	892	1052	1255
10°	202	268	346	420	502	595	694	802	936	1108	1345
7.5°	213	282	364	441	523	620	720	831	972	1155	1417
5°	223	296	378	455	540	639	740	856	1001	1192	1476
2.5°	232	308	389	467	554	651	754	872	1021	1227	1521
0°	238	318	397	477	564	660	763	882	1033	1256	1550
-2.5°	246	328	406	487	575	668	772	892	1047	1264	1557
-5°	252	337	413	494	583	673	777	896	1054	1266	1561
-7.5°	256	342	419	500	589	678	780	900	1057	1263	1559
-10°	259	346	423	504	593	682	781	898	1052	1250	1534
-12.5°	264	347	425	506	595	684	778	891	1037	1226	1484
-15°	267	347	425	505	594	683	772	877	1014	1195	1420
-17.5°	268	346	423	501	589	679	763	863	992	1161	1375
-20°	268	344	419	494	582	671	755	853	971	1121	1314

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	266	342	414	486	571	658	744	835	946	1072	1245
-25°	262	337	408	480	559	643	728	813	918	1039	1186
-27.5°	255	331	401	471	546	625	708	793	888	999	1125
-30°	245	321	391	461	534	608	685	769	855	958	1073
-32.5°	234	310	378	447	519	591	661	741	825	913	1017
-35°	224	296	364	430	503	572	638	709	790	873	961
-37.5°	217	282	350	412	481	550	612	678	751	832	912
-40°	208	266	333	395	456	525	587	647	712	791	867
-42.5°	199	255	316	377	436	497	561	618	680	751	824
-45°	191	243	299	358	416	471	531	591	651	714	783
-47.5°	180	230	284	336	394	450	501	559	621	680	741
-50°	168	216	265	314	368	425	478	527	583	643	702
-52.5°	155	200	246	291	341	394	449	500	548	599	656
-55°	140	182	225	267	311	361	413	465	515	562	611
-57.5°	126	162	203	244	284	326	376	426	474	522	570
-60°	114	143	178	218	258	297	339	385	431	476	521
-62.5°	100	126	156	190	228	267	305	345	387	426	464
-65°	88	109	135	164	196	230	266	305	342	374	404
-67.5°	75	94	115	138	166	194	223	257	291	321	348
-70°	65	78	95	115	137	161	187	213	239	265	292
-72.5°	55	66	78	92	111	132	153	173	195	218	240
-75°	44	54	64	75	89	105	123	142	159	177	195
-77.5°	34	42	51	59	69	82	95	110	125	140	154
-80°	24	31	38	46	53	61	70	79	90	101	113
-82.5°	17	22	27	33	37	41	46	52	60	68	76
-85°	9	12	15	19	21	24	26	29	34	39	44
-87.5°	5	6	7	9	10	10	11	11	13	15	17
-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°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	1	2	2	1	0	0
62.5°	2	3	6	8	9	10	10	11	11	11	11
60°	20	20	30	36	35	27	39	45	43	37	36
57.5°	56	69	80	83	94	111	116	114	115	121	135
55°	98	108	116	132	149	164	176	184	193	203	215
52.5°	133	151	164	181	202	215	221	243	262	277	286
50°	189	208	229	251	272	291	307	329	355	382	399
47.5°	248	273	300	332	355	373	393	424	460	492	512
45°	303	332	365	396	422	448	479	516	552	585	610
42.5°	353	385	420	456	479	519	562	600	645	686	717
40°	410	441	493	529	561	603	666	722	775	826	858
37.5°	479	531	587	631	673	726	813	899	967	1035	1083
35°	560	623	693	741	805	902	1011	1129	1248	1342	1428
32.5°	638	708	778	856	953	1091	1227	1417	1592	1772	1941
30°	708	786	872	972	1128	1321	1543	1832	2147	2460	2818
27.5°	781	868	971	1129	1366	1628	2038	2494	3145	3668	4512
25°	862	959	1098	1352	1679	2140	2856	3670	5016	6166	7462
22.5°	959	1108	1306	1624	2169	3000	4113	5887	7954	9873	11704
20°	1078	1281	1619	2126	2908	4185	6296	8986	11860	14669	17386
17.5°	1236	1559	2042	2762	3871	6557	9697	13542	18463	22160	25665
15°	1380	1788	2519	3685	5771	9228	13617	19504	26130	31701	38002
12.5°	1551	2044	2925	4436	7419	11988	17583	24604	32445	40901	50772
10°	1700	2306	3439	5520	9137	14455	20725	28966	39038	51003	63479
7.5°	1814	2524	3869	6332	10585	16479	23958	33981	46737	60722	74949
5°	1903	2693	4207	6969	11817	18122	26317	37949	52489	68540	82688
2.5°	1973	2812	4430	7361	12649	19244	27931	40058	56008	73645	88500
0°	2027	2885	4554	7638	13035	19775	28678	40910	57657	76145	91422
-2.5°	2045	2923	4560	7542	12800	19743	28503	40388	56520	75152	90802
-5°	2053	2904	4445	7342	12383	19035	27362	38404	53045	70522	86382
-7.5°	2037	2826	4212	6850	11447	17785	25768	35460	47461	62871	79262
-10°	1982	2690	3896	6182	10157	15834	23287	31476	41063	53643	66926
-12.5°	1883	2488	3461	5183	8640	13626	20226	27465	34937	43204	54130
-15°	1764	2280	3105	4577	7234	11306	16651	22765	28966	35297	41962
-17.5°	1674	2100	2740	3768	5554	8847	13121	18034	23065	28092	32581
-20°	1560	1885	2385	3184	4481	6430	9644	13467	17226	21326	24766

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REPORT NUMBER: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1458	1734	2108	2611	3484	4856	6688	9379	12236	15213	18038
-25°	1361	1570	1867	2271	2792	3608	4818	6225	8230	10061	12159
-27.5°	1279	1454	1656	1955	2350	2797	3540	4361	5412	6285	7685
-30°	1201	1341	1507	1700	1989	2329	2728	3226	3740	4256	4927
-32.5°	1128	1245	1375	1531	1710	1965	2213	2532	2814	3124	3443
-35°	1056	1160	1268	1391	1528	1696	1882	2094	2281	2468	2635
-37.5°	994	1081	1175	1272	1383	1499	1646	1795	1921	2042	2146
-40°	942	1014	1092	1173	1262	1356	1470	1579	1664	1743	1809
-42.5°	894	958	1019	1088	1161	1248	1336	1420	1478	1533	1576
-45°	849	904	960	1016	1076	1152	1228	1293	1339	1380	1412
-47.5°	800	850	901	952	1010	1070	1131	1180	1221	1256	1280
-50°	753	802	848	890	942	996	1048	1090	1126	1156	1173
-52.5°	707	754	800	844	886	928	969	1009	1045	1077	1088
-55°	661	708	749	790	831	871	908	942	975	1005	1015
-57.5°	617	664	708	741	776	812	848	881	913	940	950
-60°	567	614	653	685	719	752	783	814	845	871	883
-62.5°	507	550	585	616	647	676	705	733	760	782	795
-65°	436	473	507	538	566	592	619	644	667	684	695
-67.5°	375	402	431	459	487	513	536	558	579	594	603
-70°	316	341	366	391	416	439	460	480	498	512	521
-72.5°	262	284	307	330	352	372	389	406	423	435	444
-75°	213	232	251	270	289	305	320	334	347	357	366
-77.5°	170	184	198	212	227	239	251	262	273	281	288
-80°	125	137	148	159	169	178	187	195	204	211	218
-82.5°	85	93	102	110	119	124	129	133	137	143	148
-85°	49	54	60	65	70	74	77	80	84	87	90
-87.5°	19	22	24	26	29	29	30	30	31	33	35
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

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°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	1	2
62.5°	10	8	8	8	8	8	10	11	11	11	11
60°	35	32	31	32	31	32	35	36	37	43	45
57.5°	148	159	165	167	165	159	148	135	121	115	114
55°	225	233	234	231	234	233	225	215	203	193	184
52.5°	291	292	290	286	290	292	291	286	277	262	243
50°	404	403	403	405	403	403	404	399	382	355	329
47.5°	520	526	527	525	527	526	520	512	492	460	424
45°	621	629	631	628	631	629	621	610	585	552	516
42.5°	730	735	737	739	737	735	730	717	686	645	600
40°	873	878	877	874	877	878	873	858	826	775	722
37.5°	1115	1132	1140	1161	1140	1132	1115	1083	1035	967	899
35°	1493	1534	1556	1590	1556	1534	1493	1428	1342	1248	1129
32.5°	2062	2146	2189	2234	2189	2146	2062	1941	1772	1592	1417
30°	3066	3229	3296	3418	3296	3229	3066	2818	2460	2147	1832
27.5°	5131	5520	5673	5993	5673	5520	5131	4512	3668	3145	2494
25°	8643	9481	9944	10309	9944	9481	8643	7462	6166	5016	3670
22.5°	13551	14780	15436	15921	15436	14780	13551	11704	9873	7954	5887
20°	19848	21469	22436	23138	22436	21469	19848	17386	14669	11860	8986
17.5°	30165	32712	34202	35482	34202	32712	30165	25665	22160	18463	13542
15°	45033	50152	54130	56346	54130	50152	45033	38002	31701	26130	19504
12.5°	59497	66995	71449	73499	71449	66995	59497	50772	40901	32445	24604
10°	73802	80872	85110	85858	85110	80872	73802	63479	51003	39038	28966
7.5°	84753	92528	98159	100205	98159	92528	84753	74949	60722	46737	33981
5°	94425	103529	109488	110244	109488	103529	94425	82688	68540	52489	37949
2.5°	101540	111437	117215	119202	117215	111437	101540	88500	73645	56008	40058
0°	104982	115641	122071	124964	122071	115641	104982	91422	76145	57657	40910
-2.5°	104258	115282	122459	126236	122459	115282	104258	90802	75152	56520	40388
-5°	100294	111350	118043	122055	118043	111350	100294	86382	70522	53045	38404
-7.5°	91152	101492	108616	112318	108616	101492	91152	79262	62871	47461	35460
-10°	79373	88123	94617	97773	94617	88123	79373	66926	53643	41063	31476
-12.5°	64066	72554	78412	80644	78412	72554	64066	54130	43204	34937	27465
-15°	49086	55564	59726	61044	59726	55564	49086	41962	35297	28966	22765
-17.5°	37225	40712	43053	43684	43053	40712	37225	32581	28092	23065	18034
-20°	27888	30050	31569	31929	31569	30050	27888	24766	21326	17226	13467

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20320	21945	23172	23416	23172	21945	20320	18038	15213	12236	9379
-25°	14017	15375	16208	16270	16208	15375	14017	12159	10061	8230	6225
-27.5°	8788	9534	9919	10055	9919	9534	8788	7685	6285	5412	4361
-30°	5430	5774	5955	5961	5955	5774	5430	4927	4256	3740	3226
-32.5°	3686	3853	3943	3942	3943	3853	3686	3443	3124	2814	2532
-35°	2761	2847	2896	2901	2896	2847	2761	2635	2468	2281	2094
-37.5°	2221	2268	2293	2297	2293	2268	2221	2146	2042	1921	1795
-40°	1857	1890	1910	1923	1910	1890	1857	1809	1743	1664	1579
-42.5°	1606	1627	1637	1629	1637	1627	1606	1576	1533	1478	1420
-45°	1430	1443	1451	1455	1451	1443	1430	1412	1380	1339	1293
-47.5°	1291	1297	1301	1304	1301	1297	1291	1280	1256	1221	1180
-50°	1181	1187	1188	1184	1188	1187	1181	1173	1156	1126	1090
-52.5°	1093	1094	1096	1097	1096	1094	1093	1088	1077	1045	1009
-55°	1020	1023	1024	1025	1024	1023	1020	1015	1005	975	942
-57.5°	959	965	966	962	966	965	959	950	940	913	881
-60°	893	901	905	906	905	901	893	883	871	845	814
-62.5°	805	814	818	819	818	814	805	795	782	760	733
-65°	704	711	722	731	722	711	704	695	684	667	644
-67.5°	611	617	627	636	627	617	611	603	594	579	558
-70°	530	537	540	541	540	537	530	521	512	498	480
-72.5°	452	458	460	461	460	458	452	444	435	423	406
-75°	373	379	381	382	381	379	373	366	357	347	334
-77.5°	295	300	302	302	302	300	295	288	281	273	262
-80°	224	229	226	223	226	229	224	218	211	204	195
-82.5°	153	158	155	151	155	158	153	148	143	137	133
-85°	92	95	91	87	91	95	92	90	87	84	80
-87.5°	37	40	36	32	36	40	37	35	33	31	30
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

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°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	2	1	0	0	0	0	0	0	0	0	0
62.5°	10	10	9	8	6	3	2	3	2	1	2
60°	39	27	35	36	30	20	20	16	8	7	6
57.5°	116	111	94	83	80	69	56	44	36	25	15
55°	176	164	149	132	116	108	98	84	70	53	40
52.5°	221	215	202	181	164	151	133	120	106	90	70
50°	307	291	272	251	229	208	189	164	142	127	108
47.5°	393	373	355	332	300	273	248	222	189	160	143
45°	479	448	422	396	365	332	303	273	239	205	174
42.5°	562	519	479	456	420	385	353	323	286	249	215
40°	666	603	561	529	493	441	410	376	337	292	258
37.5°	813	726	673	631	587	531	479	436	391	345	302
35°	1011	902	805	741	693	623	560	504	453	401	349
32.5°	1227	1091	953	856	778	708	638	575	512	457	402
30°	1543	1321	1128	972	872	786	708	638	570	507	453
27.5°	2038	1628	1366	1129	971	868	781	698	623	556	497
25°	2856	2140	1679	1352	1098	959	862	764	677	602	539
22.5°	4113	3000	2169	1624	1306	1108	959	833	731	657	586
20°	6296	4185	2908	2126	1619	1281	1078	924	809	716	634
17.5°	9697	6557	3871	2762	2042	1559	1236	1031	888	774	682
15°	13617	9228	5771	3685	2519	1788	1380	1133	970	837	729
12.5°	17583	11988	7419	4436	2925	2044	1551	1255	1052	892	768
10°	20725	14455	9137	5520	3439	2306	1700	1345	1108	936	802
7.5°	23958	16479	10585	6332	3869	2524	1814	1417	1155	972	831
5°	26317	18122	11817	6969	4207	2693	1903	1476	1192	1001	856
2.5°	27931	19244	12649	7361	4430	2812	1973	1521	1227	1021	872
0°	28678	19775	13035	7638	4554	2885	2027	1550	1256	1033	882
-2.5°	28503	19743	12800	7542	4560	2923	2045	1557	1264	1047	892
-5°	27362	19035	12383	7342	4445	2904	2053	1561	1266	1054	896
-7.5°	25768	17785	11447	6850	4212	2826	2037	1559	1263	1057	900
-10°	23287	15834	10157	6182	3896	2690	1982	1534	1250	1052	898
-12.5°	20226	13626	8640	5183	3461	2488	1883	1484	1226	1037	891
-15°	16651	11306	7234	4577	3105	2280	1764	1420	1195	1014	877
-17.5°	13121	8847	5554	3768	2740	2100	1674	1375	1161	992	863
-20°	9644	6430	4481	3184	2385	1885	1560	1314	1121	971	853

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REPORT NUMBER: P627694 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6688	4856	3484	2611	2108	1734	1458	1245	1072	946	835
-25°	4818	3608	2792	2271	1867	1570	1361	1186	1039	918	813
-27.5°	3540	2797	2350	1955	1656	1454	1279	1125	999	888	793
-30°	2728	2329	1989	1700	1507	1341	1201	1073	958	855	769
-32.5°	2213	1965	1710	1531	1375	1245	1128	1017	913	825	741
-35°	1882	1696	1528	1391	1268	1160	1056	961	873	790	709
-37.5°	1646	1499	1383	1272	1175	1081	994	912	832	751	678
-40°	1470	1356	1262	1173	1092	1014	942	867	791	712	647
-42.5°	1336	1248	1161	1088	1019	958	894	824	751	680	618
-45°	1228	1152	1076	1016	960	904	849	783	714	651	591
-47.5°	1131	1070	1010	952	901	850	800	741	680	621	559
-50°	1048	996	942	890	848	802	753	702	643	583	527
-52.5°	969	928	886	844	800	754	707	656	599	548	500
-55°	908	871	831	790	749	708	661	611	562	515	465
-57.5°	848	812	776	741	708	664	617	570	522	474	426
-60°	783	752	719	685	653	614	567	521	476	431	385
-62.5°	705	676	647	616	585	550	507	464	426	387	345
-65°	619	592	566	538	507	473	436	404	374	342	305
-67.5°	536	513	487	459	431	402	375	348	321	291	257
-70°	460	439	416	391	366	341	316	292	265	239	213
-72.5°	389	372	352	330	307	284	262	240	218	195	173
-75°	320	305	289	270	251	232	213	195	177	159	142
-77.5°	251	239	227	212	198	184	170	154	140	125	110
-80°	187	178	169	159	148	137	125	113	101	90	79
-82.5°	129	124	119	110	102	93	85	76	68	60	52
-85°	77	74	70	65	60	54	49	44	39	34	29
-87.5°	30	29	29	26	24	22	19	17	15	13	11
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

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°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	1	0	0	0
60°	5	4	2	2	1	0	1	2	2	0	0
57.5°	13	9	6	4	4	2	1	3	3	1	0
55°	26	19	11	7	6	5	2	3	5	3	0
52.5°	51	34	23	12	7	8	5	4	5	6	2
50°	82	58	40	25	10	9	7	5	6	7	4
47.5°	121	88	61	41	24	12	10	7	6	8	6
45°	153	125	88	60	39	23	15	8	7	8	7
42.5°	185	158	122	79	57	36	21	13	8	8	8
40°	224	190	155	112	76	47	31	19	8	8	8
37.5°	264	225	186	142	98	66	41	26	12	10	8
35°	305	262	215	170	123	84	50	34	19	12	8
32.5°	344	297	246	196	147	103	64	43	26	15	8
30°	390	329	274	222	169	123	81	53	33	18	8
27.5°	433	360	300	247	192	141	99	63	40	22	11
25°	474	396	328	269	214	160	116	74	48	28	14
22.5°	513	433	354	289	238	179	132	89	57	34	17
20°	552	468	380	317	260	200	148	102	66	39	20
17.5°	591	502	416	345	283	220	163	115	75	43	23
15°	630	537	448	372	304	237	177	126	83	48	27
12.5°	664	568	477	397	325	254	190	136	92	52	31
10°	694	595	502	420	346	268	202	145	100	57	35
7.5°	720	620	523	441	364	282	213	154	108	61	38
5°	740	639	540	455	378	296	223	162	115	65	42
2.5°	754	651	554	467	389	308	232	169	122	68	45
0°	763	660	564	477	397	318	238	175	127	71	48
-2.5°	772	668	575	487	406	328	246	180	132	79	49
-5°	777	673	583	494	413	337	252	184	135	85	49
-7.5°	780	678	589	500	419	342	256	187	138	90	50
-10°	781	682	593	504	423	346	259	189	141	94	50
-12.5°	778	684	595	506	425	347	264	193	143	97	51
-15°	772	683	594	505	425	347	267	197	145	97	51
-17.5°	763	679	589	501	423	346	268	199	146	97	53
-20°	755	671	582	494	419	344	268	199	145	95	55

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	744	658	571	486	414	342	266	196	143	93	57
-25°	728	643	559	480	408	337	262	191	140	91	59
-27.5°	708	625	546	471	401	331	255	187	136	88	59
-30°	685	608	534	461	391	321	245	181	132	87	59
-32.5°	661	591	519	447	378	310	234	174	127	87	59
-35°	638	572	503	430	364	296	224	165	122	86	58
-37.5°	612	550	481	412	350	282	217	160	117	84	56
-40°	587	525	456	395	333	266	208	156	113	81	54
-42.5°	561	497	436	377	316	255	199	150	109	78	52
-45°	531	471	416	358	299	243	191	143	105	75	50
-47.5°	501	450	394	336	284	230	180	136	98	72	48
-50°	478	425	368	314	265	216	168	126	93	68	45
-52.5°	449	394	341	291	246	200	155	116	88	63	42
-55°	413	361	311	267	225	182	140	107	81	58	38
-57.5°	376	326	284	244	203	162	126	98	74	52	35
-60°	339	297	258	218	178	143	114	88	66	47	32
-62.5°	305	267	228	190	156	126	100	78	58	42	28
-65°	266	230	196	164	135	109	88	68	52	38	25
-67.5°	223	194	166	138	115	94	75	60	46	33	23
-70°	187	161	137	115	95	78	65	52	39	29	21
-72.5°	153	132	111	92	78	66	55	43	33	24	18
-75°	123	105	89	75	64	54	44	35	26	20	15
-77.5°	95	82	69	59	51	42	34	26	20	16	13
-80°	70	61	53	46	38	31	24	19	15	12	10
-82.5°	46	41	37	33	27	22	17	12	10	8	7
-85°	26	24	21	19	15	12	9	7	6	5	5
-87.5°	11	10	10	9	7	6	5	3	3	3	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	1	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	2	1	0	0	0	0	0
47.5°	3	2	0	0	0	0	0
45°	4	3	0	0	0	0	0
42.5°	5	3	0	0	0	0	0
40°	6	4	0	0	0	0	0
37.5°	7	6	1	0	0	0	0
35°	8	6	2	0	0	0	0
32.5°	8	7	3	0	0	0	0
30°	8	7	4	0	0	0	0
27.5°	8	8	4	0	0	0	0
25°	8	8	5	0	0	0	0
22.5°	8	8	5	0	0	0	0
20°	8	8	6	0	0	0	0
17.5°	8	8	6	0	0	0	0
15°	9	8	7	0	0	0	0
12.5°	10	8	7	0	0	0	0
10°	11	8	7	0	0	0	0
7.5°	12	8	8	0	0	0	0
5°	14	8	8	0	0	0	0
2.5°	15	8	8	0	0	0	0
0°	16	8	8	0	0	0	0
-2.5°	19	9	8	1	0	0	0
-5°	22	10	8	1	0	0	0
-7.5°	25	10	8	2	0	0	0
-10°	27	11	8	2	0	0	0
-12.5°	29	12	7	2	0	0	0
-15°	30	12	7	3	0	0	0
-17.5°	31	13	7	3	0	0	0
-20°	32	13	7	3	0	0	0

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CATALOG NUMBER: GFLD-SA5D-735-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	33	13	7	4	0	0	0
-25°	33	14	7	4	0	0	0
-27.5°	33	15	8	4	0	0	0
-30°	33	15	8	4	0	0	0
-32.5°	32	16	9	3	0	0	0
-35°	32	16	9	3	0	0	0
-37.5°	32	16	10	3	0	0	0
-40°	32	17	10	2	0	0	0
-42.5°	31	17	10	2	0	0	0
-45°	30	17	10	1	0	0	0
-47.5°	28	17	9	1	0	0	0
-50°	27	17	9	1	0	0	0
-52.5°	26	16	8	1	0	0	0
-55°	25	15	7	2	0	0	0
-57.5°	23	14	7	2	0	0	0
-60°	21	13	6	2	0	0	0
-62.5°	19	12	6	2	0	0	0
-65°	18	11	5	2	0	0	0
-67.5°	16	10	5	2	0	0	0
-70°	15	9	5	2	0	0	0
-72.5°	13	8	4	2	0	0	0
-75°	12	7	4	1	0	0	0
-77.5°	10	6	3	1	0	0	0
-80°	8	5	3	1	0	0	0
-82.5°	6	4	2	1	0	0	0
-85°	4	3	1	1	0	0	0
-87.5°	2	1	1	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)