

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: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-740-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35087.3 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 49156.8 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 23501.3 lumens
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 31642.6 lumens
Field Efficiency: 90.2%

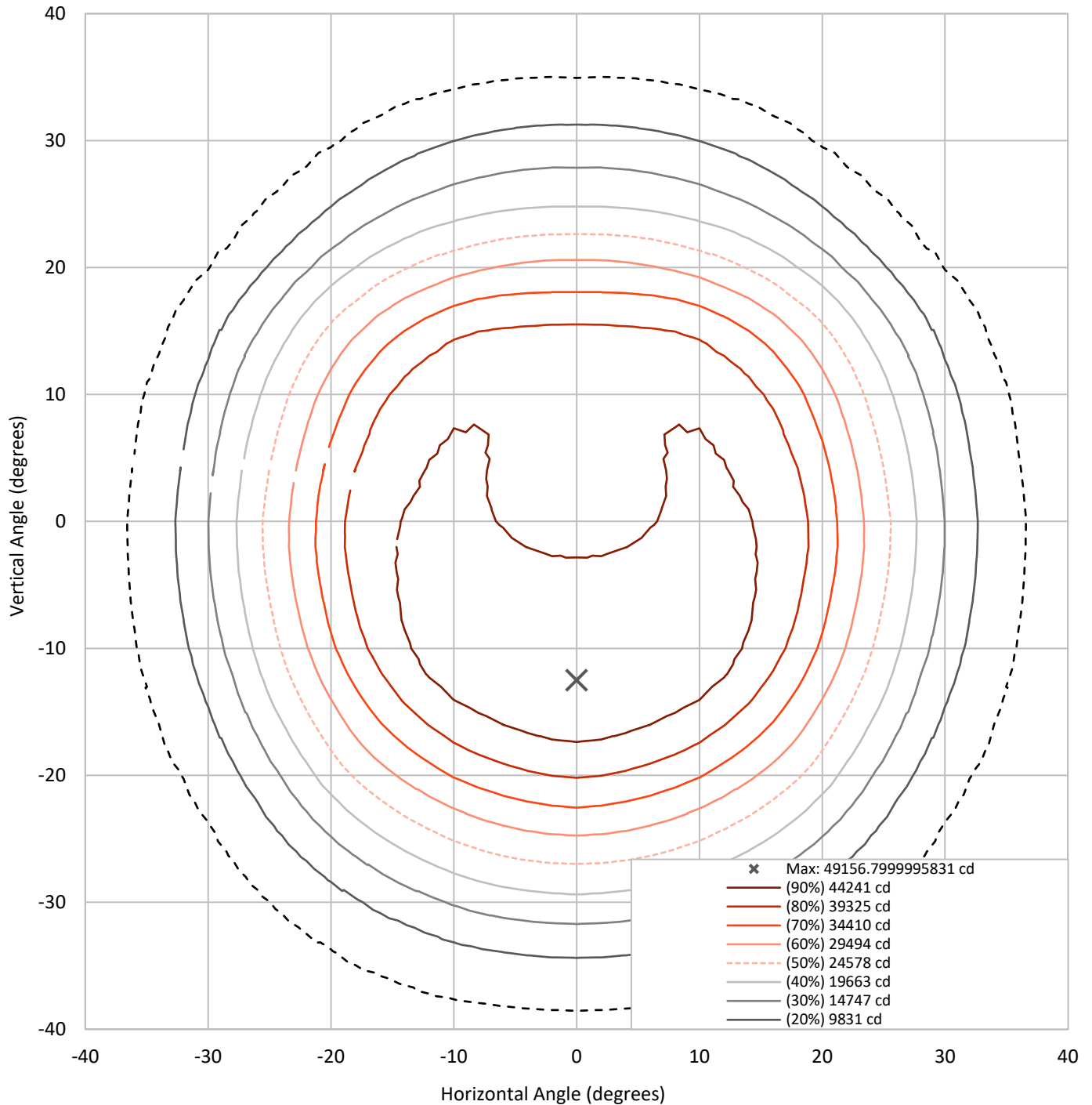
Input Watts (W): 271.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

Iso-Candela Plot





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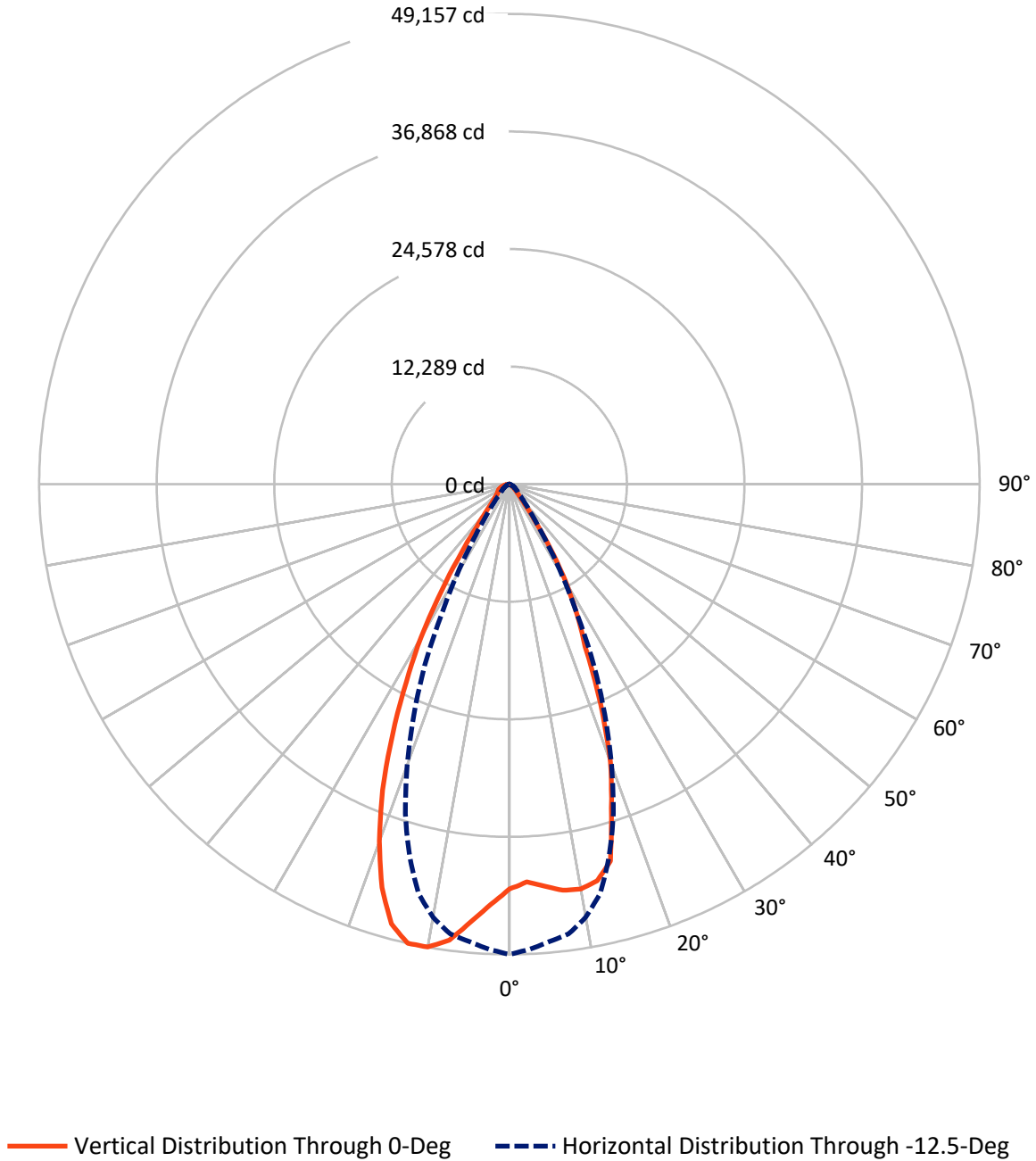
CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

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	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1								
50		0.1	0.2	1.1	2.9	4.8	6.7	7.8	7.8	6.7	4.8	2.9	1.1	0.2		0.1							
40	0.2	0.2	1.4	5.0	9.9	16.1	24.1	29.5	29.5	24.1	16.1	9.9	5.0	1.4	0.2								
30		0.6	3.9	10.2	21.1	45.6	103.6	158.2	158.2	103.6	45.6	21.1	10.2	3.9	0.6								
20	0.4	1.4	6.5	16.4	44.0	163.1	420.0	587.1	587.1	420.0	163.1	44.0	16.4	6.5	1.4								
10		2.3	9.2	25.3	104.8	453.0	944.9	1169.9	1169.9	944.9	453.0	104.8	25.3	9.2	2.3								
0	0.7	3.1	11.3	32.7	166.8	667.0	1218.3	1320.8	1320.8	1218.3	667.0	166.8	32.7	11.3	3.1								
-10		3.6	12.5	35.0	174.5	688.9	1262.2	1401.9	1401.9	1262.2	688.9	174.5	35.0	12.5	3.6								
-20	1.0	3.9	12.7	31.8	124.9	512.9	1064.8	1359.6	1359.6	1064.8	512.9	124.9	31.8	12.7	3.9								
-30		3.7	12.0	26.4	69.8	248.8	593.3	834.9	834.9	593.3	248.8	69.8	26.4	12.0	3.7								
-40	0.9	3.3	10.8	21.9	41.7	88.6	185.4	275.1	275.1	185.4	88.6	41.7	21.9	10.8	3.3								
-50		2.7	9.0	18.3	30.4	45.0	63.2	75.0	75.0	63.2	45.0	30.4	18.3	9.0	2.7								
-60	0.7	2.1	6.8	14.4	23.9	33.1	41.3	45.2	45.2	41.3	33.1	23.9	14.4	6.8	2.1								
-70		1.4	4.3	9.8	16.8	23.7	30.0	33.5	33.5	30.0	23.7	16.8	9.8	4.3	1.4								
-80	0.3	3.9	17.7	37.6	48.2	37.6	17.7	3.9	0.3														
-90																							
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90				

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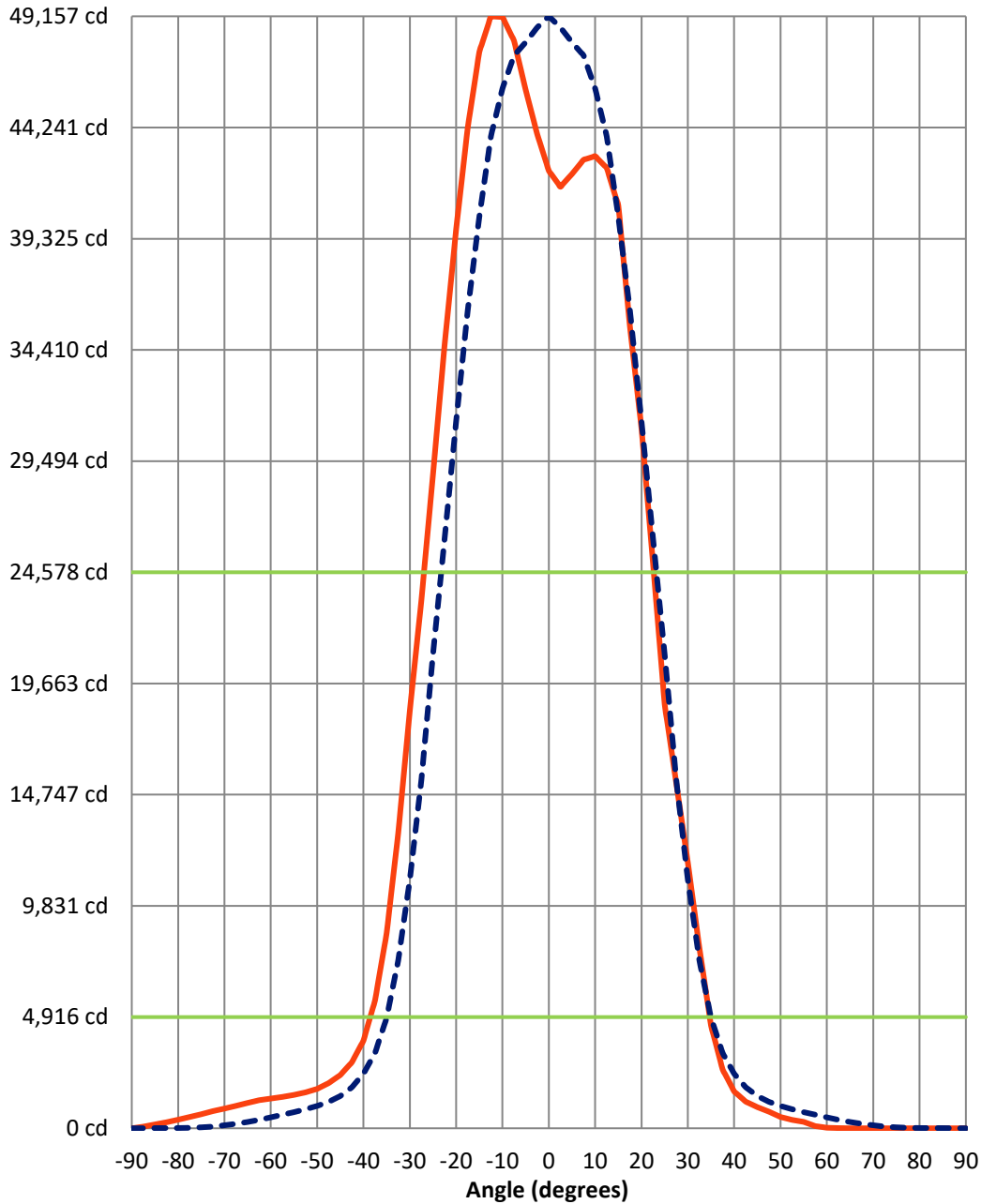
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 23501.3
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 31642.6
 Efficiency: 90.2%

Spill:
 Lumens: 3444.7
 Efficiency: 9.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -12.5-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	1	0	0	0	0	0
72.5°	0	0	0	0	1	1	0	0	0	0	0
70°	0	0	0	0	2	2	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	2	3	3	1	0	2	3	2
62.5°	0	0	0	3	4	3	1	1	4	4	5
60°	0	0	0	3	5	3	2	4	6	6	7
57.5°	0	0	1	4	5	4	3	6	7	7	8
55°	0	0	1	5	5	4	5	8	7	8	8
52.5°	0	0	2	6	6	4	6	8	8	8	8
50°	0	0	2	7	6	5	7	9	8	8	9
47.5°	0	0	3	8	6	6	8	9	8	8	11
45°	0	0	3	8	6	7	9	10	9	10	13
42.5°	0	0	4	8	7	7	10	10	9	12	16
40°	0	0	4	8	7	8	11	11	10	15	19
37.5°	0	0	5	8	7	8	11	11	13	18	22
35°	0	0	5	8	8	9	13	12	16	23	30
32.5°	0	0	6	8	8	9	14	12	19	29	48
30°	0	0	6	8	8	10	14	13	22	35	65
27.5°	0	0	6	8	8	11	14	16	27	43	80
25°	0	0	7	8	8	12	15	19	32	54	94
22.5°	0	0	7	8	8	13	15	21	39	66	110
20°	0	0	7	8	8	14	16	24	46	77	127
17.5°	0	0	7	8	8	14	17	26	53	87	145
15°	0	0	8	8	8	15	17	30	60	96	163
12.5°	0	0	8	8	8	15	18	36	66	103	180
10°	0	0	8	8	8	15	20	41	72	116	196
7.5°	0	0	8	8	8	16	21	47	78	130	209
5°	0	0	8	8	8	16	22	53	82	144	219
2.5°	0	0	8	8	8	16	23	59	86	157	227
0°	0	0	8	8	8	16	24	64	89	169	234
-2.5°	0	0	8	8	9	17	28	67	100	177	246
-5°	0	0	8	8	9	18	32	69	111	183	257
-7.5°	0	1	8	8	10	18	36	70	120	189	266
-10°	0	1	8	8	11	19	39	71	128	194	273
-12.5°	0	1	8	8	11	20	42	72	133	198	278
-15°	0	1	8	8	12	20	44	73	135	200	281
-17.5°	0	1	8	8	12	20	45	76	134	200	281
-20°	0	1	7	8	12	21	46	79	133	199	277

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REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	7	8	12	21	46	81	131	197	270
-25°	0	2	7	8	12	22	46	82	128	192	260
-27.5°	0	2	7	8	12	24	46	81	125	187	254
-30°	0	2	7	8	12	25	45	80	123	182	246
-32.5°	0	2	7	8	12	26	44	78	122	176	237
-35°	0	2	7	8	13	26	44	76	118	171	225
-37.5°	0	2	7	8	13	26	44	74	113	165	221
-40°	0	2	7	8	13	27	44	71	106	158	218
-42.5°	0	2	7	8	14	27	44	68	101	150	211
-45°	0	2	7	9	14	27	43	65	97	141	201
-47.5°	0	2	7	9	15	26	41	63	92	130	188
-50°	0	2	7	9	15	25	40	61	87	125	174
-52.5°	0	2	7	10	15	24	39	58	84	118	158
-55°	0	2	7	10	15	24	38	54	80	110	149
-57.5°	0	2	7	10	14	23	36	51	75	104	138
-60°	0	2	7	10	14	22	34	49	69	96	127
-62.5°	0	2	7	10	14	21	32	46	64	88	117
-65°	0	2	6	10	14	19	29	42	59	80	105
-67.5°	0	1	6	10	13	18	26	38	52	71	93
-70°	0	1	5	10	13	17	23	33	46	61	80
-72.5°	0	1	5	9	12	16	22	28	39	52	67
-75°	0	1	4	8	12	15	20	25	32	43	55
-77.5°	0	1	3	6	10	14	18	23	28	34	43
-80°	0	1	3	5	8	12	16	20	24	29	35
-82.5°	0	1	2	4	6	9	12	16	20	24	28
-85°	0	0	1	3	4	6	8	11	14	17	20
-87.5°	0	0	1	1	2	3	4	5	7	8	10
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-U-MWR-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	1	1	0	0	0	0	0	0	0
67.5°	1	2	3	2	0	0	0	1	0	0	0
65°	4	5	4	2	0	2	3	2	0	0	0
62.5°	7	6	4	3	5	6	5	3	1	2	3
60°	8	7	6	6	8	7	5	6	7	8	19
57.5°	8	8	7	9	9	9	10	11	29	48	53
55°	8	8	9	11	12	14	21	45	67	83	90
52.5°	9	9	12	15	19	30	56	82	104	120	142
50°	10	13	17	22	36	63	94	123	151	177	207
47.5°	13	17	24	35	65	101	138	175	208	244	288
45°	17	26	35	62	100	144	191	232	266	308	348
42.5°	20	39	59	89	141	195	247	281	319	365	417
40°	33	55	85	130	186	250	296	333	373	437	500
37.5°	50	78	112	171	239	301	346	390	449	523	598
35°	67	99	150	216	291	348	398	454	534	619	709
32.5°	86	119	186	261	332	393	449	532	616	710	833
30°	104	150	223	304	371	435	514	606	689	804	948
27.5°	123	181	260	339	407	474	578	667	763	893	1067
25°	144	214	294	371	442	526	640	735	833	1000	1233
22.5°	169	245	328	401	475	582	703	821	950	1116	1404
20°	195	274	358	437	508	634	771	916	1090	1321	1698
17.5°	220	301	388	473	561	691	843	1015	1232	1519	2073
15°	242	325	416	509	612	749	917	1127	1390	1747	2436
12.5°	263	346	444	544	657	801	981	1210	1520	2033	2900
10°	281	365	470	577	697	848	1036	1279	1626	2239	3246
7.5°	296	385	495	610	731	888	1084	1336	1720	2401	3517
5°	310	409	516	633	757	921	1123	1379	1799	2519	3725
2.5°	321	431	534	653	775	947	1154	1421	1875	2616	3901
0°	330	451	548	669	790	967	1177	1451	1934	2684	4038
-2.5°	342	461	567	681	812	981	1187	1473	1954	2693	4011
-5°	351	469	583	691	830	989	1190	1481	1951	2672	3928
-7.5°	359	473	594	699	840	994	1191	1476	1931	2628	3794
-10°	365	478	598	708	842	993	1185	1458	1885	2541	3592
-12.5°	373	483	599	712	842	987	1170	1425	1813	2411	3332
-15°	378	486	598	711	838	976	1145	1379	1716	2238	3010
-17.5°	380	486	596	705	831	961	1111	1325	1628	2086	2780
-20°	380	485	592	693	821	944	1088	1283	1553	1940	2500

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CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	376	481	587	683	805	927	1061	1232	1459	1776	2228
-25°	368	475	580	677	787	907	1027	1176	1374	1655	2031
-27.5°	355	466	568	667	768	884	997	1132	1305	1521	1822
-30°	338	452	553	652	752	860	967	1083	1234	1422	1664
-32.5°	320	437	536	633	732	835	937	1043	1173	1329	1518
-35°	308	418	518	609	708	807	905	1004	1111	1250	1412
-37.5°	301	398	499	586	679	776	870	965	1063	1173	1319
-40°	291	377	478	565	649	743	834	924	1015	1124	1237
-42.5°	279	363	455	544	623	710	797	883	974	1075	1181
-45°	267	346	433	516	596	677	761	842	931	1026	1124
-47.5°	252	326	410	483	562	643	724	804	883	972	1066
-50°	234	304	380	451	521	602	682	763	841	916	999
-52.5°	215	278	350	420	484	552	634	716	793	868	941
-55°	195	253	318	387	451	510	582	665	741	814	889
-57.5°	178	228	288	352	416	477	543	613	688	759	832
-60°	164	204	255	315	378	439	503	568	636	705	770
-62.5°	149	184	225	275	334	395	454	516	580	639	697
-65°	134	163	197	239	286	341	398	457	516	568	617
-67.5°	119	144	172	203	244	290	336	389	443	494	542
-70°	102	124	148	175	205	242	285	328	371	416	462
-72.5°	85	105	125	147	174	205	238	273	311	350	389
-75°	69	85	103	122	144	169	197	227	257	288	320
-77.5°	55	68	82	97	114	134	156	179	204	228	253
-80°	42	51	63	75	88	102	117	133	152	172	192
-82.5°	34	40	47	55	64	73	83	95	109	123	138
-85°	24	28	32	37	42	48	54	60	69	78	88
-87.5°	12	14	16	18	21	23	26	28	33	37	42
-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	0	0	0	0	0	0
62.5°	2	2	3	3	2	2	4	5	6	6	7
60°	21	15	21	26	26	19	29	33	30	24	25
57.5°	56	61	70	82	90	95	103	111	117	121	124
55°	103	124	146	156	173	200	223	225	229	235	248
52.5°	166	190	201	220	254	276	287	305	325	345	362
50°	241	261	286	316	349	370	377	410	451	483	503
47.5°	316	344	388	442	470	494	528	570	615	662	699
45°	386	436	492	540	578	619	664	717	787	853	902
42.5°	466	522	578	635	676	745	824	886	987	1074	1130
40°	560	614	696	765	849	937	1073	1199	1326	1473	1580
37.5°	671	756	871	982	1107	1237	1480	1729	1933	2218	2377
35°	806	937	1099	1265	1466	1778	2133	2614	3114	3530	3931
32.5°	961	1129	1352	1649	1987	2488	3022	3907	4769	5631	6477
30°	1114	1357	1700	2107	2663	3455	4461	5829	7311	8609	9784
27.5°	1317	1663	2108	2716	3663	4824	6680	8580	10467	12152	13362
25°	1564	2027	2656	3663	5030	6955	9444	11773	13987	15639	17031
22.5°	1920	2614	3507	4790	7270	9947	12925	15855	18343	20425	21796
20°	2359	3298	4793	7117	10034	13382	17216	20297	23362	25704	27796
17.5°	2982	4477	6587	9540	13025	17491	21437	24875	28765	31159	33293
15°	3542	5464	8472	12239	16323	21056	25710	29920	33675	36306	38692
12.5°	4251	6513	9970	14402	18869	24138	28976	33484	37162	39869	41538
10°	4886	7588	11467	16102	21102	26608	31622	36314	39876	41969	43197
7.5°	5398	8482	12680	17557	22836	28377	33674	38331	41740	43490	44329
5°	5795	9144	13630	18750	24233	29903	35309	39867	42738	44185	44654
2.5°	6093	9605	14269	19535	25176	31029	36549	41041	43491	44535	44690
0°	6295	9930	14685	20029	25985	31433	37220	41782	44111	44950	45030
-2.5°	6247	9812	14667	19850	25892	31615	37327	41829	44322	45448	45631
-5°	6120	9536	14180	19342	25155	30887	36335	41089	44148	45849	46602
-7.5°	5875	9059	13349	18372	23963	29700	35255	40187	43707	46101	47575
-10°	5457	8362	12284	17143	22654	28120	33613	38731	42522	45403	47457
-12.5°	4887	7416	10987	15404	20943	26047	31248	36152	40290	43842	45964
-15°	4298	6432	9639	13680	18503	23529	28334	33146	37230	40553	43199
-17.5°	3879	5569	8078	11615	15849	20617	25305	29725	33411	36534	39310
-20°	3348	4604	6590	9564	13292	17460	21950	25885	29176	32105	34756

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Scaled Data Report



REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2926	3942	5377	7406	10755	14431	18105	21727	24821	27429	29692
-25°	2543	3256	4378	6027	8205	11380	14475	17534	20391	22814	24853
-27.5°	2241	2809	3556	4731	6384	8236	10948	13505	15961	18178	20099
-30°	1967	2393	2977	3712	4836	6213	7843	9755	11714	13463	15210
-32.5°	1771	2074	2475	3021	3650	4636	5621	6908	8148	9424	10677
-35°	1594	1838	2111	2476	2908	3483	4132	4918	5581	6416	7186
-37.5°	1473	1645	1853	2084	2393	2713	3153	3630	4042	4507	4898
-40°	1373	1507	1649	1804	2016	2233	2517	2785	3046	3329	3541
-42.5°	1288	1397	1499	1619	1744	1918	2108	2276	2434	2601	2739
-45°	1222	1303	1385	1478	1574	1699	1834	1959	2062	2155	2231
-47.5°	1151	1223	1296	1368	1449	1541	1629	1709	1795	1867	1920
-50°	1081	1153	1218	1281	1351	1423	1493	1557	1618	1672	1704
-52.5°	1013	1087	1152	1209	1268	1327	1385	1443	1496	1544	1566
-55°	961	1029	1095	1146	1197	1246	1298	1352	1402	1448	1462
-57.5°	904	974	1036	1084	1130	1175	1223	1273	1321	1364	1378
-60°	839	912	967	1011	1059	1108	1153	1198	1242	1279	1295
-62.5°	761	826	877	921	963	1003	1053	1100	1146	1184	1207
-65°	668	724	773	818	859	898	944	988	1030	1063	1087
-67.5°	587	631	672	711	751	791	834	875	915	943	963
-70°	506	548	585	623	658	693	728	762	796	821	841
-72.5°	428	464	496	529	562	593	623	652	681	703	721
-75°	353	384	412	440	467	492	515	538	560	579	596
-77.5°	278	303	328	351	375	394	412	430	447	463	478
-80°	213	231	249	267	284	299	313	327	340	352	364
-82.5°	153	165	176	188	200	211	221	230	240	249	257
-85°	97	104	110	117	123	130	136	142	148	153	159
-87.5°	46	49	52	55	58	61	64	67	70	73	75
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-U-MWR-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	0	0
62.5°	7	8	8	8	8	8	7	7	6	6	5
60°	25	24	24	24	24	24	25	25	24	30	33
57.5°	121	113	105	97	105	113	121	124	121	117	111
55°	263	278	284	282	284	278	263	248	235	229	225
52.5°	374	381	379	371	379	381	374	362	345	325	305
50°	511	512	508	500	508	512	511	503	483	451	410
47.5°	718	729	734	733	734	729	718	699	662	615	570
45°	922	932	936	935	936	932	922	902	853	787	717
42.5°	1159	1177	1183	1177	1183	1177	1159	1130	1074	987	886
40°	1642	1663	1653	1628	1653	1663	1642	1580	1473	1326	1199
37.5°	2488	2568	2602	2603	2602	2568	2488	2377	2218	1933	1729
35°	4291	4579	4710	4546	4710	4579	4291	3931	3530	3114	2614
32.5°	7167	7676	7963	7963	7963	7676	7167	6477	5631	4769	3907
30°	10671	11309	11667	11743	11667	11309	10671	9784	8609	7311	5829
27.5°	14306	14965	15307	15257	15307	14965	14306	13362	12152	10467	8580
25°	17953	18451	18739	18747	18739	18451	17953	17031	15639	13987	11773
22.5°	23339	24389	24822	24937	24822	24389	23339	21796	20425	18343	15855
20°	29212	30230	30886	30926	30886	30230	29212	27796	25704	23362	20297
17.5°	34807	35312	35405	35447	35405	35312	34807	33293	31159	28765	24875
15°	40081	40258	40724	40783	40724	40258	40081	38692	36306	33675	29920
12.5°	42586	42748	42668	42451	42668	42748	42586	41538	39869	37162	33484
10°	43951	43723	43383	42975	43383	43723	43951	43197	41969	39876	36314
7.5°	44260	44007	43408	42814	43408	44007	44260	44329	43490	41740	38331
5°	44407	43663	42906	42185	42906	43663	44407	44654	44185	42738	39867
2.5°	44320	43435	42396	41621	42396	43435	44320	44690	44535	43491	41041
0°	44603	43708	42620	42330	42620	43708	44603	45030	44950	44111	41782
-2.5°	45390	44665	44097	43942	44097	44665	45390	45631	45448	44322	41829
-5°	46807	46647	45682	45909	45682	46647	46807	46602	45849	44148	41089
-7.5°	48175	47948	47540	48069	47540	47948	48175	47575	46101	43707	40187
-10°	48539	48465	48656	49125	48656	48465	48539	47457	45403	42522	38731
-12.5°	47424	48008	48663	49157	48663	48008	47424	45964	43842	40290	36152
-15°	44937	46133	47112	47577	47112	46133	44937	43199	40553	37230	33146
-17.5°	41275	42741	43901	44232	43901	42741	41275	39310	36534	33411	29725
-20°	36766	38257	39313	39735	39313	38257	36766	34756	32105	29176	25885

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REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31692	33147	34105	34609	34105	33147	31692	29692	27429	24821	21727
-25°	26542	27821	28671	28894	28671	27821	26542	24853	22814	20391	17534
-27.5°	21617	22646	23272	23341	23272	22646	21617	20099	18178	15961	13505
-30°	16663	17618	18161	18449	18161	17618	16663	15210	13463	11714	9755
-32.5°	11702	12461	12920	13041	12920	12461	11702	10677	9424	8148	6908
-35°	7802	8274	8565	8624	8565	8274	7802	7186	6416	5581	4918
-37.5°	5217	5447	5588	5658	5588	5447	5217	4898	4507	4042	3630
-40°	3696	3804	3864	3877	3864	3804	3696	3541	3329	3046	2785
-42.5°	2827	2882	2910	2918	2910	2882	2827	2739	2601	2434	2276
-45°	2284	2323	2346	2354	2346	2323	2284	2231	2155	2062	1959
-47.5°	1954	1979	1994	1999	1994	1979	1954	1920	1867	1795	1709
-50°	1724	1738	1743	1741	1743	1738	1724	1704	1672	1618	1557
-52.5°	1579	1588	1591	1588	1591	1588	1579	1566	1544	1496	1443
-55°	1471	1478	1479	1475	1479	1478	1471	1462	1448	1402	1352
-57.5°	1389	1397	1395	1386	1395	1397	1389	1378	1364	1321	1273
-60°	1307	1317	1317	1314	1317	1317	1307	1295	1279	1242	1198
-62.5°	1226	1242	1244	1241	1244	1242	1226	1207	1184	1146	1100
-65°	1109	1128	1128	1120	1128	1128	1109	1087	1063	1030	988
-67.5°	979	994	995	991	995	994	979	963	943	915	875
-70°	858	873	874	871	874	873	858	841	821	796	762
-72.5°	738	753	757	758	757	753	738	721	703	681	652
-75°	611	625	624	621	624	625	611	596	579	560	538
-77.5°	492	505	503	500	503	505	492	478	463	447	430
-80°	375	385	382	379	382	385	375	364	352	340	327
-82.5°	265	273	270	266	270	273	265	257	249	240	230
-85°	164	169	169	169	169	169	164	159	153	148	142
-87.5°	78	80	76	73	76	80	78	75	73	70	67
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-U-MWR-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	1
65°	0	0	0	0	0	0	0	0	0	0	2
62.5°	4	2	2	3	3	2	2	3	2	1	3
60°	29	19	26	26	21	15	21	19	8	7	6
57.5°	103	95	90	82	70	61	56	53	48	29	11
55°	223	200	173	156	146	124	103	90	83	67	45
52.5°	287	276	254	220	201	190	166	142	120	104	82
50°	377	370	349	316	286	261	241	207	177	151	123
47.5°	528	494	470	442	388	344	316	288	244	208	175
45°	664	619	578	540	492	436	386	348	308	266	232
42.5°	824	745	676	635	578	522	466	417	365	319	281
40°	1073	937	849	765	696	614	560	500	437	373	333
37.5°	1480	1237	1107	982	871	756	671	598	523	449	390
35°	2133	1778	1466	1265	1099	937	806	709	619	534	454
32.5°	3022	2488	1987	1649	1352	1129	961	833	710	616	532
30°	4461	3455	2663	2107	1700	1357	1114	948	804	689	606
27.5°	6680	4824	3663	2716	2108	1663	1317	1067	893	763	667
25°	9444	6955	5030	3663	2656	2027	1564	1233	1000	833	735
22.5°	12925	9947	7270	4790	3507	2614	1920	1404	1116	950	821
20°	17216	13382	10034	7117	4793	3298	2359	1698	1321	1090	916
17.5°	21437	17491	13025	9540	6587	4477	2982	2073	1519	1232	1015
15°	25710	21056	16323	12239	8472	5464	3542	2436	1747	1390	1127
12.5°	28976	24138	18869	14402	9970	6513	4251	2900	2033	1520	1210
10°	31622	26608	21102	16102	11467	7588	4886	3246	2239	1626	1279
7.5°	33674	28377	22836	17557	12680	8482	5398	3517	2401	1720	1336
5°	35309	29903	24233	18750	13630	9144	5795	3725	2519	1799	1379
2.5°	36549	31029	25176	19535	14269	9605	6093	3901	2616	1875	1421
0°	37220	31433	25985	20029	14685	9930	6295	4038	2684	1934	1451
-2.5°	37327	31615	25892	19850	14667	9812	6247	4011	2693	1954	1473
-5°	36335	30887	25155	19342	14180	9536	6120	3928	2672	1951	1481
-7.5°	35255	29700	23963	18372	13349	9059	5875	3794	2628	1931	1476
-10°	33613	28120	22654	17143	12284	8362	5457	3592	2541	1885	1458
-12.5°	31248	26047	20943	15404	10987	7416	4887	3332	2411	1813	1425
-15°	28334	23529	18503	13680	9639	6432	4298	3010	2238	1716	1379
-17.5°	25305	20617	15849	11615	8078	5569	3879	2780	2086	1628	1325
-20°	21950	17460	13292	9564	6590	4604	3348	2500	1940	1553	1283

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REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18105	14431	10755	7406	5377	3942	2926	2228	1776	1459	1232
-25°	14475	11380	8205	6027	4378	3256	2543	2031	1655	1374	1176
-27.5°	10948	8236	6384	4731	3556	2809	2241	1822	1521	1305	1132
-30°	7843	6213	4836	3712	2977	2393	1967	1664	1422	1234	1083
-32.5°	5621	4636	3650	3021	2475	2074	1771	1518	1329	1173	1043
-35°	4132	3483	2908	2476	2111	1838	1594	1412	1250	1111	1004
-37.5°	3153	2713	2393	2084	1853	1645	1473	1319	1173	1063	965
-40°	2517	2233	2016	1804	1649	1507	1373	1237	1124	1015	924
-42.5°	2108	1918	1744	1619	1499	1397	1288	1181	1075	974	883
-45°	1834	1699	1574	1478	1385	1303	1222	1124	1026	931	842
-47.5°	1629	1541	1449	1368	1296	1223	1151	1066	972	883	804
-50°	1493	1423	1351	1281	1218	1153	1081	999	916	841	763
-52.5°	1385	1327	1268	1209	1152	1087	1013	941	868	793	716
-55°	1298	1246	1197	1146	1095	1029	961	889	814	741	665
-57.5°	1223	1175	1130	1084	1036	974	904	832	759	688	613
-60°	1153	1108	1059	1011	967	912	839	770	705	636	568
-62.5°	1053	1003	963	921	877	826	761	697	639	580	516
-65°	944	898	859	818	773	724	668	617	568	516	457
-67.5°	834	791	751	711	672	631	587	542	494	443	389
-70°	728	693	658	623	585	548	506	462	416	371	328
-72.5°	623	593	562	529	496	464	428	389	350	311	273
-75°	515	492	467	440	412	384	353	320	288	257	227
-77.5°	412	394	375	351	328	303	278	253	228	204	179
-80°	313	299	284	267	249	231	213	192	172	152	133
-82.5°	221	211	200	188	176	165	153	138	123	109	95
-85°	136	130	123	117	110	104	97	88	78	69	60
-87.5°	64	61	58	55	52	49	46	42	37	33	28
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-U-MWR-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	1	1	0	0	0	0	0	0
67.5°	0	0	0	2	3	2	1	1	1	0	0
65°	3	2	0	2	4	5	4	2	3	2	0
62.5°	5	6	5	3	4	6	7	5	4	4	1
60°	5	7	8	6	6	7	8	7	6	6	4
57.5°	10	9	9	9	7	8	8	8	7	7	6
55°	21	14	12	11	9	8	8	8	8	7	8
52.5°	56	30	19	15	12	9	9	8	8	8	8
50°	94	63	36	22	17	13	10	9	8	8	9
47.5°	138	101	65	35	24	17	13	11	8	8	9
45°	191	144	100	62	35	26	17	13	10	9	10
42.5°	247	195	141	89	59	39	20	16	12	9	10
40°	296	250	186	130	85	55	33	19	15	10	11
37.5°	346	301	239	171	112	78	50	22	18	13	11
35°	398	348	291	216	150	99	67	30	23	16	12
32.5°	449	393	332	261	186	119	86	48	29	19	12
30°	514	435	371	304	223	150	104	65	35	22	13
27.5°	578	474	407	339	260	181	123	80	43	27	16
25°	640	526	442	371	294	214	144	94	54	32	19
22.5°	703	582	475	401	328	245	169	110	66	39	21
20°	771	634	508	437	358	274	195	127	77	46	24
17.5°	843	691	561	473	388	301	220	145	87	53	26
15°	917	749	612	509	416	325	242	163	96	60	30
12.5°	981	801	657	544	444	346	263	180	103	66	36
10°	1036	848	697	577	470	365	281	196	116	72	41
7.5°	1084	888	731	610	495	385	296	209	130	78	47
5°	1123	921	757	633	516	409	310	219	144	82	53
2.5°	1154	947	775	653	534	431	321	227	157	86	59
0°	1177	967	790	669	548	451	330	234	169	89	64
-2.5°	1187	981	812	681	567	461	342	246	177	100	67
-5°	1190	989	830	691	583	469	351	257	183	111	69
-7.5°	1191	994	840	699	594	473	359	266	189	120	70
-10°	1185	993	842	708	598	478	365	273	194	128	71
-12.5°	1170	987	842	712	599	483	373	278	198	133	72
-15°	1145	976	838	711	598	486	378	281	200	135	73
-17.5°	1111	961	831	705	596	486	380	281	200	134	76
-20°	1088	944	821	693	592	485	380	277	199	133	79

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CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1061	927	805	683	587	481	376	270	197	131	81
-25°	1027	907	787	677	580	475	368	260	192	128	82
-27.5°	997	884	768	667	568	466	355	254	187	125	81
-30°	967	860	752	652	553	452	338	246	182	123	80
-32.5°	937	835	732	633	536	437	320	237	176	122	78
-35°	905	807	708	609	518	418	308	225	171	118	76
-37.5°	870	776	679	586	499	398	301	221	165	113	74
-40°	834	743	649	565	478	377	291	218	158	106	71
-42.5°	797	710	623	544	455	363	279	211	150	101	68
-45°	761	677	596	516	433	346	267	201	141	97	65
-47.5°	724	643	562	483	410	326	252	188	130	92	63
-50°	682	602	521	451	380	304	234	174	125	87	61
-52.5°	634	552	484	420	350	278	215	158	118	84	58
-55°	582	510	451	387	318	253	195	149	110	80	54
-57.5°	543	477	416	352	288	228	178	138	104	75	51
-60°	503	439	378	315	255	204	164	127	96	69	49
-62.5°	454	395	334	275	225	184	149	117	88	64	46
-65°	398	341	286	239	197	163	134	105	80	59	42
-67.5°	336	290	244	203	172	144	119	93	71	52	38
-70°	285	242	205	175	148	124	102	80	61	46	33
-72.5°	238	205	174	147	125	105	85	67	52	39	28
-75°	197	169	144	122	103	85	69	55	43	32	25
-77.5°	156	134	114	97	82	68	55	43	34	28	23
-80°	117	102	88	75	63	51	42	35	29	24	20
-82.5°	83	73	64	55	47	40	34	28	24	20	16
-85°	54	48	42	37	32	28	24	20	17	14	11
-87.5°	26	23	21	18	16	14	12	10	8	7	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-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	1	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	1	2	2	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	3	3	2	0	0	0
62.5°	1	3	4	3	0	0	0
60°	2	3	5	3	0	0	0
57.5°	3	4	5	4	1	0	0
55°	5	4	5	5	1	0	0
52.5°	6	4	6	6	2	0	0
50°	7	5	6	7	2	0	0
47.5°	8	6	6	8	3	0	0
45°	9	7	6	8	3	0	0
42.5°	10	7	7	8	4	0	0
40°	11	8	7	8	4	0	0
37.5°	11	8	7	8	5	0	0
35°	13	9	8	8	5	0	0
32.5°	14	9	8	8	6	0	0
30°	14	10	8	8	6	0	0
27.5°	14	11	8	8	6	0	0
25°	15	12	8	8	7	0	0
22.5°	15	13	8	8	7	0	0
20°	16	14	8	8	7	0	0
17.5°	17	14	8	8	7	0	0
15°	17	15	8	8	8	0	0
12.5°	18	15	8	8	8	0	0
10°	20	15	8	8	8	0	0
7.5°	21	16	8	8	8	0	0
5°	22	16	8	8	8	0	0
2.5°	23	16	8	8	8	0	0
0°	24	16	8	8	8	0	0
-2.5°	28	17	9	8	8	0	0
-5°	32	18	9	8	8	0	0
-7.5°	36	18	10	8	8	1	0
-10°	39	19	11	8	8	1	0
-12.5°	42	20	11	8	8	1	0
-15°	44	20	12	8	8	1	0
-17.5°	45	20	12	8	8	1	0
-20°	46	21	12	8	7	1	0

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REPORT NUMBER: P627706 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	46	21	12	8	7	1	0
-25°	46	22	12	8	7	2	0
-27.5°	46	24	12	8	7	2	0
-30°	45	25	12	8	7	2	0
-32.5°	44	26	12	8	7	2	0
-35°	44	26	13	8	7	2	0
-37.5°	44	26	13	8	7	2	0
-40°	44	27	13	8	7	2	0
-42.5°	44	27	14	8	7	2	0
-45°	43	27	14	9	7	2	0
-47.5°	41	26	15	9	7	2	0
-50°	40	25	15	9	7	2	0
-52.5°	39	24	15	10	7	2	0
-55°	38	24	15	10	7	2	0
-57.5°	36	23	14	10	7	2	0
-60°	34	22	14	10	7	2	0
-62.5°	32	21	14	10	7	2	0
-65°	29	19	14	10	6	2	0
-67.5°	26	18	13	10	6	1	0
-70°	23	17	13	10	5	1	0
-72.5°	22	16	12	9	5	1	0
-75°	20	15	12	8	4	1	0
-77.5°	18	14	10	6	3	1	0
-80°	16	12	8	5	3	1	0
-82.5°	12	9	6	4	2	1	0
-85°	8	6	4	3	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)