

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: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-735-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627636 (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-SA5C-735-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27732.7 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 38853.1 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 18575.3 lumens  
Beam Efficiency: 67.0%

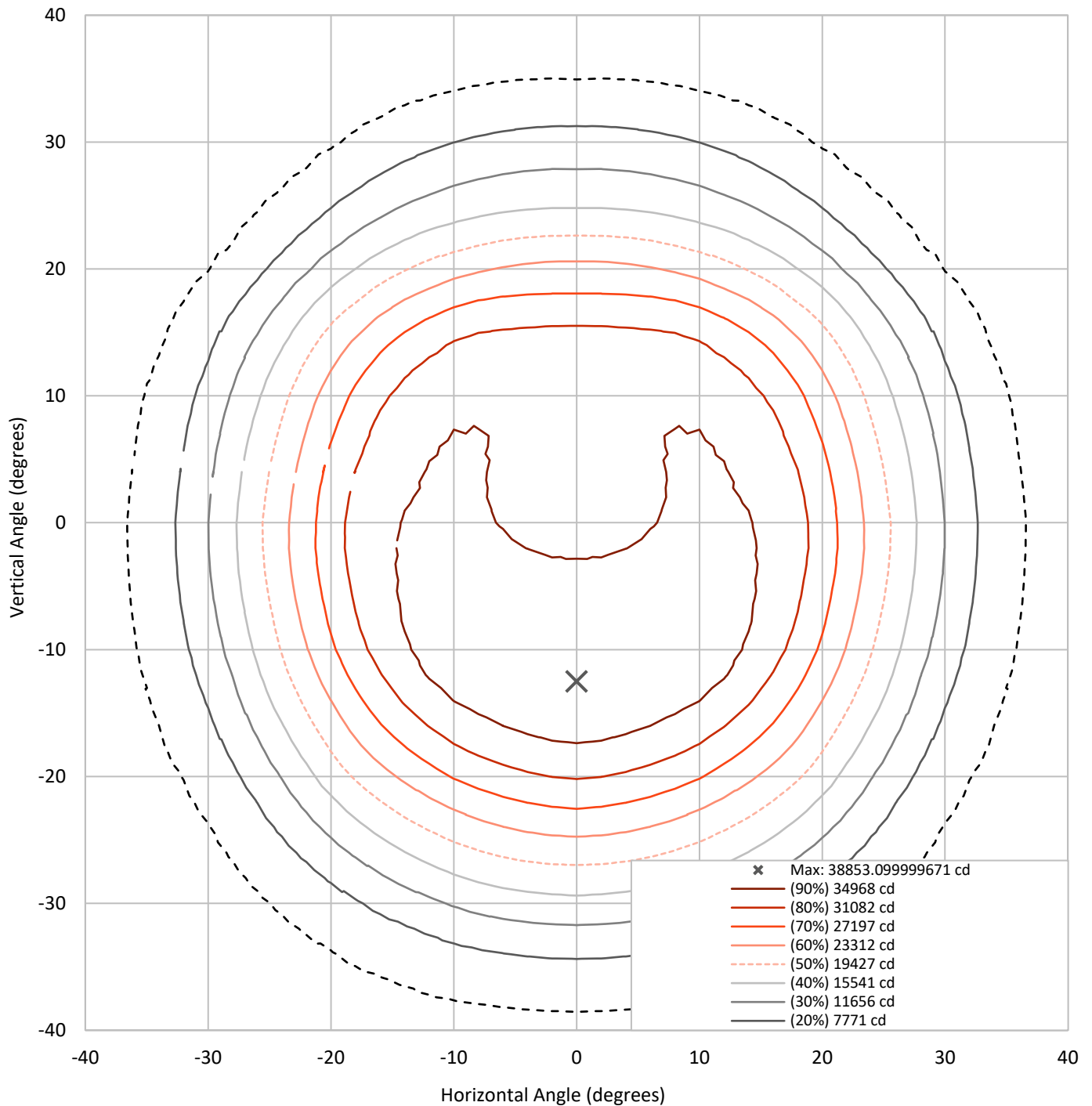
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 24996.8 lumens  
Field Efficiency: 90.1%

Input Watts (W): 206.1  
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-SA5C-735-U-MWR-VSR-XX

### Iso-Candela Plot





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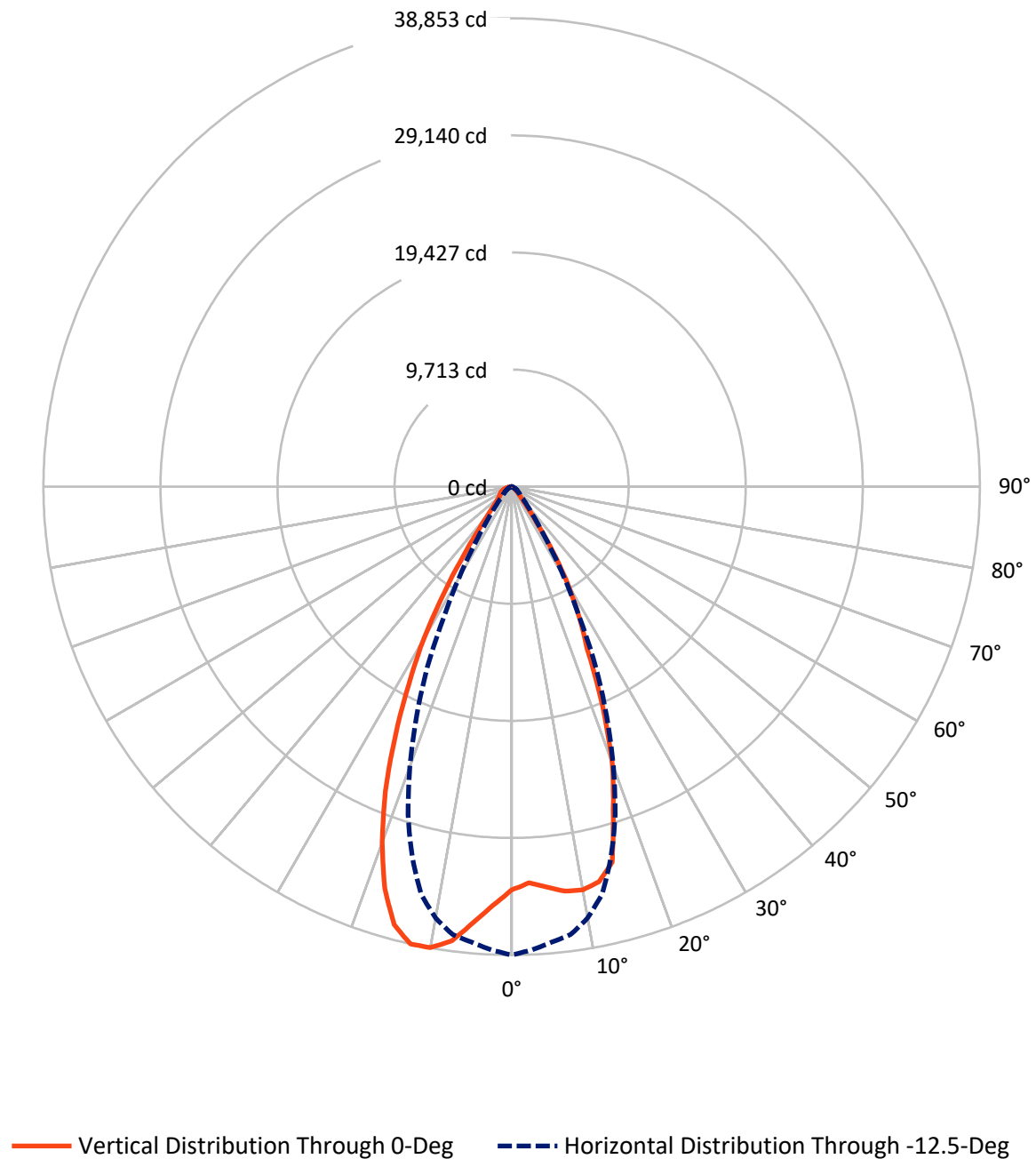
CATALOG NUMBER: GFLD-SA5C-735-U-MWR-VSR-XX

### 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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1				
50		0.1	0.2	0.9	2.3	3.8	5.3	6.1	6.1	5.3	3.8	2.3	0.9	0.2		0.1			
40	0.1	0.2	1.1	3.9	7.8	12.7	19.0	23.3	23.3	19.0	12.7	7.8	3.9	1.1	0.2	0.1			
30		0.5	3.1	8.0	16.6	36.0	81.9	125.0	125.0	81.9	36.0	16.6	8.0	3.1	0.5				
20	0.3	1.1	5.2	12.9	34.8	128.9	332.0	464.0	464.0	332.0	128.9	34.8	12.9	5.2	1.1	0.3			
10		1.8	7.2	20.0	82.8	358.0	746.9	924.7	924.7	746.9	358.0	82.8	20.0	7.2	1.8				
0	0.6	2.4	8.9	25.8	131.9	527.2	962.9	1043.9	1043.9	962.9	527.2	131.9	25.8	8.9	2.4	0.6			
-10		2.8	9.9	27.6	138.0	544.5	997.6	1108.0	1108.0	997.6	544.5	138.0	27.6	9.9	2.8				
-20	0.8	3.1	10.0	25.1	98.7	405.4	841.6	1074.6	1074.6	841.6	405.4	98.7	25.1	10.0	3.1	0.8			
-30		2.9	9.5	20.9	55.2	196.7	468.9	659.9	659.9	468.9	196.7	55.2	20.9	9.5	2.9				
-40	0.7	2.6	8.5	17.3	32.9	70.0	146.5	217.4	217.4	146.5	70.0	32.9	17.3	8.5	2.6	0.7			
-50		2.2	7.1	14.5	24.1	35.5	50.0	59.3	59.3	50.0	35.5	24.1	14.5	7.1	2.2				
-60	0.5	1.6	5.4	11.4	18.9	26.2	32.7	35.8	35.8	32.7	26.2	18.9	11.4	5.4	1.6	0.5			
-70		1.1	3.4	7.8	13.3	18.7	23.7	26.5	26.5	23.7	18.7	13.3	7.8	3.4	1.1				
-80	0.2	3.1	14.0	29.7	38.1	29.7	14.0	3.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

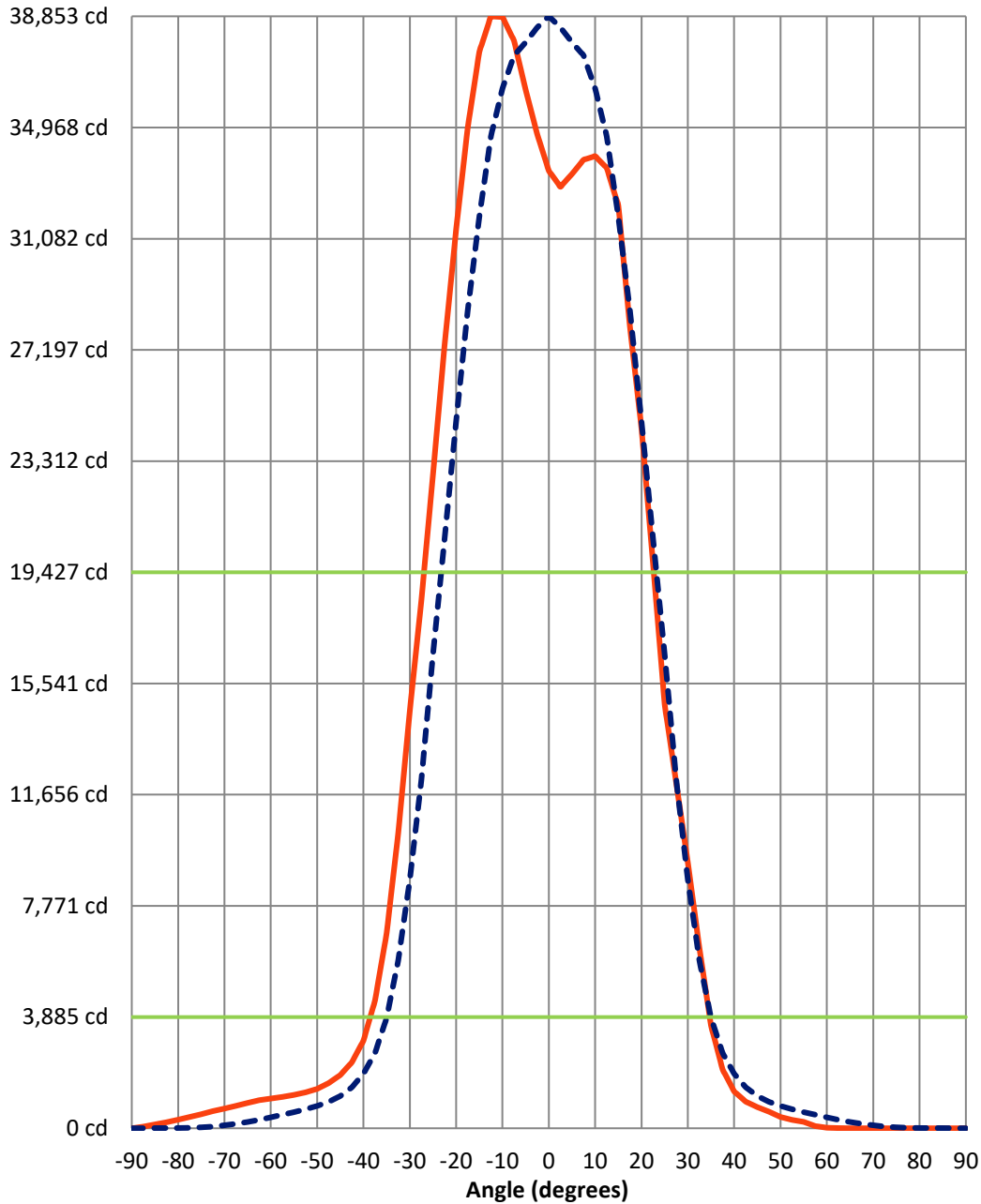
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 18575.3  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 24996.8  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2735.9  
 Efficiency: 9.9%

— 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	1	1	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	3	2	1	0	1	2	2
62.5°	0	0	0	2	3	2	1	1	3	3	4
60°	0	0	0	3	4	3	1	3	5	5	6
57.5°	0	0	0	3	4	3	2	5	5	6	6
55°	0	0	1	4	4	3	4	6	6	6	6
52.5°	0	0	1	5	5	3	5	7	6	6	6
50°	0	0	2	5	5	4	6	7	6	6	7
47.5°	0	0	2	6	5	5	6	7	6	6	9
45°	0	0	3	6	5	5	7	8	7	8	10
42.5°	0	0	3	6	5	6	8	8	7	10	13
40°	0	0	3	6	6	6	8	9	8	12	15
37.5°	0	0	4	6	6	6	9	9	10	14	18
35°	0	0	4	6	6	7	10	9	13	18	24
32.5°	0	0	4	6	6	7	11	10	15	23	38
30°	0	0	5	6	6	8	11	11	18	28	51
27.5°	0	0	5	6	6	9	11	13	21	34	63
25°	0	0	5	6	6	10	12	15	26	43	74
22.5°	0	0	5	6	6	10	12	17	31	52	87
20°	0	0	6	6	6	11	13	19	36	61	101
17.5°	0	0	6	6	6	11	13	21	42	69	115
15°	0	0	6	6	6	12	14	24	47	76	129
12.5°	0	0	6	6	6	12	15	28	53	82	142
10°	0	0	6	6	6	12	15	33	57	92	155
7.5°	0	0	6	6	6	12	16	38	61	103	165
5°	0	0	6	6	6	13	17	42	65	114	173
2.5°	0	0	6	6	6	13	18	47	68	124	180
0°	0	0	6	6	6	13	19	51	70	134	185
-2.5°	0	0	6	6	7	13	22	53	79	140	195
-5°	0	0	6	6	7	14	26	54	88	145	203
-7.5°	0	0	6	6	8	15	29	55	95	149	210
-10°	0	1	6	6	8	15	31	56	101	153	216
-12.5°	0	1	6	6	9	15	33	57	105	156	220
-15°	0	1	6	6	9	16	35	58	107	158	222
-17.5°	0	1	6	6	10	16	36	60	106	158	222
-20°	0	1	6	6	10	16	36	62	105	157	219

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CATALOG NUMBER: GFLD-SA5C-735-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	6	6	10	16	37	64	103	155	214
-25°	0	1	6	6	10	17	36	65	101	152	205
-27.5°	0	1	6	6	10	19	36	64	99	148	201
-30°	0	1	6	6	9	20	35	63	97	144	195
-32.5°	0	1	5	6	10	20	34	62	96	139	187
-35°	0	2	5	6	10	21	35	60	93	135	178
-37.5°	0	2	5	6	10	21	35	59	89	131	175
-40°	0	2	5	6	11	21	35	56	84	125	172
-42.5°	0	2	5	7	11	21	35	54	80	119	166
-45°	0	2	5	7	11	21	34	51	76	111	159
-47.5°	0	2	5	7	12	21	33	50	73	103	149
-50°	0	2	5	7	12	20	32	48	69	99	137
-52.5°	0	2	5	8	12	19	31	45	66	93	125
-55°	0	2	5	8	12	19	30	43	63	87	118
-57.5°	0	1	5	8	11	18	28	41	59	82	109
-60°	0	1	6	8	11	17	27	39	55	76	100
-62.5°	0	1	5	8	11	16	25	36	51	70	92
-65°	0	1	5	8	11	15	23	33	46	63	83
-67.5°	0	1	5	8	11	14	21	30	41	56	74
-70°	0	1	4	8	10	14	18	26	36	48	63
-72.5°	0	1	4	7	10	13	17	22	31	41	53
-75°	0	1	3	6	9	12	16	20	25	34	43
-77.5°	0	1	3	5	8	11	14	18	22	27	34
-80°	0	1	2	4	7	9	13	16	19	23	27
-82.5°	0	0	2	3	5	7	10	13	16	19	22
-85°	0	0	1	2	3	5	7	9	11	13	16
-87.5°	0	0	1	1	2	2	3	4	5	7	8
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	2	0	2	2	2	0	0	0
62.5°	6	5	4	3	4	5	4	2	1	2	2
60°	6	5	4	5	6	6	4	4	5	6	15
57.5°	6	6	6	7	7	7	8	9	23	38	42
55°	7	6	7	9	10	11	17	35	53	66	71
52.5°	7	7	10	12	15	24	44	65	82	95	112
50°	8	10	13	18	28	50	74	97	119	140	164
47.5°	11	13	19	28	52	80	109	139	164	193	228
45°	13	21	27	49	79	114	151	184	210	244	275
42.5°	16	31	47	70	112	154	195	222	252	288	329
40°	26	44	67	103	147	198	234	263	295	346	396
37.5°	39	61	89	135	189	238	273	309	355	413	473
35°	53	78	118	170	230	275	315	359	422	489	560
32.5°	68	94	147	206	263	311	355	421	487	561	659
30°	82	118	176	240	293	344	406	479	545	635	749
27.5°	97	143	205	268	322	375	457	527	603	706	843
25°	113	169	233	294	349	416	506	581	659	790	975
22.5°	133	193	259	317	375	460	556	649	751	882	1109
20°	154	217	283	345	401	502	609	724	862	1044	1342
17.5°	174	238	306	374	444	546	666	802	974	1200	1639
15°	191	257	329	402	484	592	724	891	1099	1380	1925
12.5°	207	274	351	430	519	633	775	956	1202	1607	2292
10°	222	288	372	456	551	670	819	1011	1285	1770	2566
7.5°	234	305	391	482	578	702	857	1056	1359	1897	2780
5°	245	323	408	501	598	728	888	1090	1422	1991	2944
2.5°	254	341	422	516	613	749	912	1123	1482	2068	3083
0°	261	357	433	529	624	764	930	1147	1529	2121	3192
-2.5°	270	365	448	539	642	775	939	1164	1544	2129	3170
-5°	278	370	461	546	656	782	941	1171	1542	2112	3104
-7.5°	284	374	470	552	664	785	942	1167	1526	2077	2999
-10°	288	378	473	559	666	785	937	1152	1490	2008	2839
-12.5°	295	382	474	563	665	780	925	1127	1433	1906	2633
-15°	299	384	473	562	662	772	905	1090	1357	1769	2379
-17.5°	300	384	471	557	657	760	878	1047	1287	1649	2197
-20°	300	383	468	548	649	746	860	1014	1228	1533	1976

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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°	297	381	464	540	637	733	839	974	1153	1404	1761
-25°	291	376	459	535	622	717	811	930	1086	1308	1605
-27.5°	281	368	449	527	607	699	788	895	1032	1203	1440
-30°	267	357	437	516	594	680	765	856	976	1124	1315
-32.5°	253	346	423	500	579	660	740	825	927	1051	1200
-35°	243	330	409	482	559	638	715	794	878	988	1116
-37.5°	238	314	395	463	537	613	688	762	840	927	1043
-40°	230	298	378	447	513	587	659	730	802	889	978
-42.5°	220	287	360	430	493	561	630	698	770	850	933
-45°	211	273	342	408	471	535	602	665	736	811	889
-47.5°	199	258	324	382	444	508	572	636	698	768	843
-50°	185	240	301	356	412	476	539	603	664	724	789
-52.5°	170	219	277	332	383	436	501	566	627	686	744
-55°	154	200	252	306	357	403	460	525	586	643	703
-57.5°	141	180	227	278	329	377	429	485	544	600	658
-60°	129	161	202	249	299	347	397	449	503	557	608
-62.5°	117	145	178	217	264	312	359	408	459	505	551
-65°	106	128	156	189	226	269	315	361	408	449	488
-67.5°	94	114	136	160	193	229	266	308	350	390	428
-70°	81	98	117	138	162	192	225	259	293	329	365
-72.5°	67	83	99	116	137	162	188	216	245	276	307
-75°	55	67	81	96	113	134	156	179	203	227	253
-77.5°	43	54	65	77	90	106	123	142	161	180	200
-80°	34	41	50	59	70	81	93	105	120	136	152
-82.5°	27	32	37	43	50	58	66	75	86	97	109
-85°	19	22	25	29	33	38	42	48	54	62	69
-87.5°	10	11	13	15	16	18	20	23	26	29	33
-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	2	2	2	1	3	4	4	5	5
60°	17	12	16	21	20	15	23	26	24	19	20
57.5°	45	48	55	64	71	75	81	88	93	96	98
55°	82	98	115	123	137	158	176	178	181	186	196
52.5°	131	150	159	174	201	218	227	241	257	273	286
50°	190	206	226	250	276	293	298	324	356	382	398
47.5°	250	272	306	349	372	391	417	451	486	523	553
45°	305	344	389	427	457	489	525	567	622	674	713
42.5°	369	412	457	502	534	589	651	700	780	849	893
40°	442	486	550	604	671	741	848	948	1048	1164	1249
37.5°	531	598	688	776	875	978	1170	1367	1527	1753	1878
35°	637	741	869	1000	1159	1405	1686	2066	2461	2790	3107
32.5°	760	892	1069	1303	1571	1966	2388	3088	3770	4451	5120
30°	880	1073	1344	1666	2105	2731	3526	4607	5779	6804	7733
27.5°	1041	1314	1666	2147	2895	3813	5280	6782	8273	9605	10562
25°	1236	1602	2099	2896	3976	5497	7464	9305	11056	12361	13461
22.5°	1517	2066	2772	3786	5746	7862	10216	12532	14498	16144	17228
20°	1865	2607	3788	5626	7931	10577	13607	16043	18465	20316	21970
17.5°	2357	3539	5206	7540	10295	13825	16944	19661	22736	24628	26315
15°	2800	4318	6696	9673	12901	16643	20321	23649	26617	28696	30582
12.5°	3360	5148	7880	11383	14914	19078	22903	26466	29373	31512	32831
10°	3862	5998	9064	12727	16679	21030	24993	28702	31518	33172	34142
7.5°	4266	6704	10022	13877	18050	22429	26616	30296	32991	34375	35037
5°	4580	7227	10773	14820	19154	23635	27908	31511	33780	34924	35294
2.5°	4816	7592	11278	15440	19899	24525	28888	32439	34375	35200	35323
0°	4975	7848	11607	15830	20538	24845	29419	33024	34865	35528	35591
-2.5°	4938	7756	11592	15689	20465	24988	29503	33061	35032	35922	36067
-5°	4837	7537	11208	15288	19883	24413	28719	32476	34894	36239	36834
-7.5°	4644	7160	10551	14521	18940	23474	27865	31764	34546	36438	37603
-10°	4313	6609	9709	13550	17905	22226	26567	30613	33609	35886	37509
-12.5°	3862	5862	8684	12175	16553	20587	24698	28574	31845	34652	36330
-15°	3397	5083	7619	10813	14624	18597	22395	26198	29427	32052	34144
-17.5°	3066	4402	6384	9180	12527	16296	20001	23495	26408	28876	31070
-20°	2647	3639	5209	7559	10506	13800	17349	20459	23061	25375	27471



REPORT NUMBER: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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°	2313	3116	4250	5854	8501	11406	14310	17173	19618	21679	23468
-25°	2010	2574	3460	4764	6485	8995	11441	13858	16116	18032	19644
-27.5°	1771	2220	2811	3739	5046	6510	8653	10674	12615	14367	15886
-30°	1555	1891	2353	2934	3822	4910	6199	7710	9259	10641	12022
-32.5°	1400	1639	1957	2387	2885	3664	4443	5460	6440	7448	8439
-35°	1260	1453	1669	1957	2298	2753	3266	3887	4411	5072	5680
-37.5°	1164	1300	1465	1647	1891	2145	2492	2870	3194	3562	3871
-40°	1085	1191	1303	1426	1594	1765	1989	2201	2407	2631	2799
-42.5°	1018	1104	1184	1279	1378	1516	1667	1799	1924	2056	2165
-45°	966	1030	1095	1168	1244	1343	1450	1549	1630	1704	1763
-47.5°	910	967	1024	1081	1146	1218	1288	1351	1419	1476	1517
-50°	854	911	963	1012	1068	1125	1180	1230	1279	1321	1347
-52.5°	801	859	910	955	1003	1049	1095	1140	1182	1220	1238
-55°	760	814	865	906	946	985	1026	1069	1108	1145	1156
-57.5°	715	770	819	857	893	929	967	1006	1044	1078	1089
-60°	663	721	764	799	837	875	911	947	982	1011	1023
-62.5°	601	653	693	728	761	793	832	870	906	936	954
-65°	528	572	611	647	679	710	746	781	814	840	859
-67.5°	464	499	531	562	594	625	659	691	723	746	761
-70°	400	433	463	492	520	548	575	603	629	649	664
-72.5°	338	366	392	418	444	468	492	515	538	556	570
-75°	279	303	326	348	369	389	407	425	443	458	471
-77.5°	220	240	259	278	296	312	326	340	353	366	378
-80°	169	183	197	211	225	236	247	258	268	278	287
-82.5°	121	130	139	149	158	166	174	182	189	196	203
-85°	77	82	87	92	97	102	107	112	117	121	125
-87.5°	37	39	41	44	46	49	51	53	55	57	60
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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°	6	6	6	6	6	6	6	5	5	4	4
60°	20	19	19	19	19	19	20	20	19	24	26
57.5°	96	89	83	76	83	89	96	98	96	93	88
55°	208	220	225	223	225	220	208	196	186	181	178
52.5°	296	301	300	293	300	301	296	286	273	257	241
50°	404	405	401	395	401	405	404	398	382	356	324
47.5°	568	576	580	580	580	576	568	553	523	486	451
45°	728	737	740	739	740	737	728	713	674	622	567
42.5°	916	930	935	930	935	930	916	893	849	780	700
40°	1298	1314	1307	1287	1307	1314	1298	1249	1164	1048	948
37.5°	1967	2030	2057	2058	2057	2030	1967	1878	1753	1527	1367
35°	3392	3619	3723	3593	3723	3619	3392	3107	2790	2461	2066
32.5°	5665	6067	6294	6294	6294	6067	5665	5120	4451	3770	3088
30°	8435	8938	9222	9282	9222	8938	8435	7733	6804	5779	4607
27.5°	11307	11828	12099	12059	12099	11828	11307	10562	9605	8273	6782
25°	14190	14584	14811	14818	14811	14584	14190	13461	12361	11056	9305
22.5°	18447	19277	19619	19710	19619	19277	18447	17228	16144	14498	12532
20°	23089	23893	24412	24443	24412	23893	23089	21970	20316	18465	16043
17.5°	27511	27910	27984	28017	27984	27910	27511	26315	24628	22736	19661
15°	31679	31819	32188	32234	32188	31819	31679	30582	28696	26617	23649
12.5°	33660	33788	33724	33553	33724	33788	33660	32831	31512	29373	26466
10°	34738	34558	34290	33967	34290	34558	34738	34142	33172	31518	28702
7.5°	34983	34783	34309	33840	34309	34783	34983	35037	34375	32991	30296
5°	35099	34511	33913	33343	33913	34511	35099	35294	34924	33780	31511
2.5°	35030	34331	33510	32897	33510	34331	35030	35323	35200	34375	32439
0°	35254	34547	33687	33457	33687	34547	35254	35591	35528	34865	33024
-2.5°	35876	35303	34854	34731	34854	35303	35876	36067	35922	35032	33061
-5°	36996	36869	36107	36286	36107	36869	36996	36834	36239	34894	32476
-7.5°	38077	37898	37575	37993	37575	37898	38077	37603	36438	34546	31764
-10°	38365	38306	38457	38828	38457	38306	38365	37509	35886	33609	30613
-12.5°	37483	37945	38463	38853	38463	37945	37483	36330	34652	31845	28574
-15°	35518	36463	37237	37604	37237	36463	35518	34144	32052	29427	26198
-17.5°	32623	33782	34699	34961	34699	33782	32623	31070	28876	26408	23495
-20°	29059	30238	31073	31406	31073	30238	29059	27471	25375	23061	20459

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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°	25049	26199	26956	27354	26956	26199	25049	23468	21679	19618	17173
-25°	20978	21990	22661	22838	22661	21990	20978	19644	18032	16116	13858
-27.5°	17086	17899	18394	18449	18394	17899	17086	15886	14367	12615	10674
-30°	13170	13925	14354	14582	14354	13925	13170	12022	10641	9259	7710
-32.5°	9250	9849	10212	10307	10212	9849	9250	8439	7448	6440	5460
-35°	6167	6540	6770	6816	6770	6540	6167	5680	5072	4411	3887
-37.5°	4123	4305	4417	4472	4417	4305	4123	3871	3562	3194	2870
-40°	2921	3007	3054	3064	3054	3007	2921	2799	2631	2407	2201
-42.5°	2234	2278	2300	2306	2300	2278	2234	2165	2056	1924	1799
-45°	1805	1836	1854	1860	1854	1836	1805	1763	1704	1630	1549
-47.5°	1545	1564	1576	1580	1576	1564	1545	1517	1476	1419	1351
-50°	1363	1374	1378	1376	1378	1374	1363	1347	1321	1279	1230
-52.5°	1248	1255	1257	1255	1257	1255	1248	1238	1220	1182	1140
-55°	1163	1168	1169	1166	1169	1168	1163	1156	1145	1108	1069
-57.5°	1098	1104	1102	1096	1102	1104	1098	1089	1078	1044	1006
-60°	1033	1041	1041	1038	1041	1041	1033	1023	1011	982	947
-62.5°	969	982	984	981	984	982	969	954	936	906	870
-65°	876	892	891	886	891	892	876	859	840	814	781
-67.5°	774	785	786	784	786	785	774	761	746	723	691
-70°	678	690	691	688	691	690	678	664	649	629	603
-72.5°	583	595	598	599	598	595	583	570	556	538	515
-75°	483	494	493	491	493	494	483	471	458	443	425
-77.5°	389	399	398	395	398	399	389	378	366	353	340
-80°	296	304	302	299	302	304	296	287	278	268	258
-82.5°	210	216	213	210	213	216	210	203	196	189	182
-85°	129	133	134	134	134	133	129	125	121	117	112
-87.5°	62	63	60	57	60	63	62	60	57	55	53
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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	0
65°	0	0	0	0	0	0	0	0	0	0	2
62.5°	3	1	2	2	2	2	2	2	2	1	2
60°	23	15	20	21	16	12	17	15	6	5	4
57.5°	81	75	71	64	55	48	45	42	38	23	9
55°	176	158	137	123	115	98	82	71	66	53	35
52.5°	227	218	201	174	159	150	131	112	95	82	65
50°	298	293	276	250	226	206	190	164	140	119	97
47.5°	417	391	372	349	306	272	250	228	193	164	139
45°	525	489	457	427	389	344	305	275	244	210	184
42.5°	651	589	534	502	457	412	369	329	288	252	222
40°	848	741	671	604	550	486	442	396	346	295	263
37.5°	1170	978	875	776	688	598	531	473	413	355	309
35°	1686	1405	1159	1000	869	741	637	560	489	422	359
32.5°	2388	1966	1571	1303	1069	892	760	659	561	487	421
30°	3526	2731	2105	1666	1344	1073	880	749	635	545	479
27.5°	5280	3813	2895	2147	1666	1314	1041	843	706	603	527
25°	7464	5497	3976	2896	2099	1602	1236	975	790	659	581
22.5°	10216	7862	5746	3786	2772	2066	1517	1109	882	751	649
20°	13607	10577	7931	5626	3788	2607	1865	1342	1044	862	724
17.5°	16944	13825	10295	7540	5206	3539	2357	1639	1200	974	802
15°	20321	16643	12901	9673	6696	4318	2800	1925	1380	1099	891
12.5°	22903	19078	14914	11383	7880	5148	3360	2292	1607	1202	956
10°	24993	21030	16679	12727	9064	5998	3862	2566	1770	1285	1011
7.5°	26616	22429	18050	13877	10022	6704	4266	2780	1897	1359	1056
5°	27908	23635	19154	14820	10773	7227	4580	2944	1991	1422	1090
2.5°	28888	24525	19899	15440	11278	7592	4816	3083	2068	1482	1123
0°	29419	24845	20538	15830	11607	7848	4975	3192	2121	1529	1147
-2.5°	29503	24988	20465	15689	11592	7756	4938	3170	2129	1544	1164
-5°	28719	24413	19883	15288	11208	7537	4837	3104	2112	1542	1171
-7.5°	27865	23474	18940	14521	10551	7160	4644	2999	2077	1526	1167
-10°	26567	22226	17905	13550	9709	6609	4313	2839	2008	1490	1152
-12.5°	24698	20587	16553	12175	8684	5862	3862	2633	1906	1433	1127
-15°	22395	18597	14624	10813	7619	5083	3397	2379	1769	1357	1090
-17.5°	20001	16296	12527	9180	6384	4402	3066	2197	1649	1287	1047
-20°	17349	13800	10506	7559	5209	3639	2647	1976	1533	1228	1014

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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°	14310	11406	8501	5854	4250	3116	2313	1761	1404	1153	974
-25°	11441	8995	6485	4764	3460	2574	2010	1605	1308	1086	930
-27.5°	8653	6510	5046	3739	2811	2220	1771	1440	1203	1032	895
-30°	6199	4910	3822	2934	2353	1891	1555	1315	1124	976	856
-32.5°	4443	3664	2885	2387	1957	1639	1400	1200	1051	927	825
-35°	3266	2753	2298	1957	1669	1453	1260	1116	988	878	794
-37.5°	2492	2145	1891	1647	1465	1300	1164	1043	927	840	762
-40°	1989	1765	1594	1426	1303	1191	1085	978	889	802	730
-42.5°	1667	1516	1378	1279	1184	1104	1018	933	850	770	698
-45°	1450	1343	1244	1168	1095	1030	966	889	811	736	665
-47.5°	1288	1218	1146	1081	1024	967	910	843	768	698	636
-50°	1180	1125	1068	1012	963	911	854	789	724	664	603
-52.5°	1095	1049	1003	955	910	859	801	744	686	627	566
-55°	1026	985	946	906	865	814	760	703	643	586	525
-57.5°	967	929	893	857	819	770	715	658	600	544	485
-60°	911	875	837	799	764	721	663	608	557	503	449
-62.5°	832	793	761	728	693	653	601	551	505	459	408
-65°	746	710	679	647	611	572	528	488	449	408	361
-67.5°	659	625	594	562	531	499	464	428	390	350	308
-70°	575	548	520	492	463	433	400	365	329	293	259
-72.5°	492	468	444	418	392	366	338	307	276	245	216
-75°	407	389	369	348	326	303	279	253	227	203	179
-77.5°	326	312	296	278	259	240	220	200	180	161	142
-80°	247	236	225	211	197	183	169	152	136	120	105
-82.5°	174	166	158	149	139	130	121	109	97	86	75
-85°	107	102	97	92	87	82	77	69	62	54	48
-87.5°	51	49	46	44	41	39	37	33	29	26	23
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627636 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-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	1	2	2	0	1	1	0	0
65°	2	2	0	2	3	4	3	2	2	1	0
62.5°	4	5	4	3	4	5	6	4	3	3	1
60°	4	6	6	5	4	5	6	6	5	5	3
57.5°	8	7	7	7	6	6	6	6	6	5	5
55°	17	11	10	9	7	6	7	6	6	6	6
52.5°	44	24	15	12	10	7	7	6	6	6	7
50°	74	50	28	18	13	10	8	7	6	6	7
47.5°	109	80	52	28	19	13	11	9	6	6	7
45°	151	114	79	49	27	21	13	10	8	7	8
42.5°	195	154	112	70	47	31	16	13	10	7	8
40°	234	198	147	103	67	44	26	15	12	8	9
37.5°	273	238	189	135	89	61	39	18	14	10	9
35°	315	275	230	170	118	78	53	24	18	13	9
32.5°	355	311	263	206	147	94	68	38	23	15	10
30°	406	344	293	240	176	118	82	51	28	18	11
27.5°	457	375	322	268	205	143	97	63	34	21	13
25°	506	416	349	294	233	169	113	74	43	26	15
22.5°	556	460	375	317	259	193	133	87	52	31	17
20°	609	502	401	345	283	217	154	101	61	36	19
17.5°	666	546	444	374	306	238	174	115	69	42	21
15°	724	592	484	402	329	257	191	129	76	47	24
12.5°	775	633	519	430	351	274	207	142	82	53	28
10°	819	670	551	456	372	288	222	155	92	57	33
7.5°	857	702	578	482	391	305	234	165	103	61	38
5°	888	728	598	501	408	323	245	173	114	65	42
2.5°	912	749	613	516	422	341	254	180	124	68	47
0°	930	764	624	529	433	357	261	185	134	70	51
-2.5°	939	775	642	539	448	365	270	195	140	79	53
-5°	941	782	656	546	461	370	278	203	145	88	54
-7.5°	942	785	664	552	470	374	284	210	149	95	55
-10°	937	785	666	559	473	378	288	216	153	101	56
-12.5°	925	780	665	563	474	382	295	220	156	105	57
-15°	905	772	662	562	473	384	299	222	158	107	58
-17.5°	878	760	657	557	471	384	300	222	158	106	60
-20°	860	746	649	548	468	383	300	219	157	105	62

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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°	839	733	637	540	464	381	297	214	155	103	64
-25°	811	717	622	535	459	376	291	205	152	101	65
-27.5°	788	699	607	527	449	368	281	201	148	99	64
-30°	765	680	594	516	437	357	267	195	144	97	63
-32.5°	740	660	579	500	423	346	253	187	139	96	62
-35°	715	638	559	482	409	330	243	178	135	93	60
-37.5°	688	613	537	463	395	314	238	175	131	89	59
-40°	659	587	513	447	378	298	230	172	125	84	56
-42.5°	630	561	493	430	360	287	220	166	119	80	54
-45°	602	535	471	408	342	273	211	159	111	76	51
-47.5°	572	508	444	382	324	258	199	149	103	73	50
-50°	539	476	412	356	301	240	185	137	99	69	48
-52.5°	501	436	383	332	277	219	170	125	93	66	45
-55°	460	403	357	306	252	200	154	118	87	63	43
-57.5°	429	377	329	278	227	180	141	109	82	59	41
-60°	397	347	299	249	202	161	129	100	76	55	39
-62.5°	359	312	264	217	178	145	117	92	70	51	36
-65°	315	269	226	189	156	128	106	83	63	46	33
-67.5°	266	229	193	160	136	114	94	74	56	41	30
-70°	225	192	162	138	117	98	81	63	48	36	26
-72.5°	188	162	137	116	99	83	67	53	41	31	22
-75°	156	134	113	96	81	67	55	43	34	25	20
-77.5°	123	106	90	77	65	54	43	34	27	22	18
-80°	93	81	70	59	50	41	34	27	23	19	16
-82.5°	66	58	50	43	37	32	27	22	19	16	13
-85°	42	38	33	29	25	22	19	16	13	11	9
-87.5°	20	18	16	15	13	11	10	8	7	5	4
-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°	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	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	3	1	0	0	0
62.5°	1	2	3	2	0	0	0
60°	1	3	4	3	0	0	0
57.5°	2	3	4	3	0	0	0
55°	4	3	4	4	1	0	0
52.5°	5	3	5	5	1	0	0
50°	6	4	5	5	2	0	0
47.5°	6	5	5	6	2	0	0
45°	7	5	5	6	3	0	0
42.5°	8	6	5	6	3	0	0
40°	8	6	6	6	3	0	0
37.5°	9	6	6	6	4	0	0
35°	10	7	6	6	4	0	0
32.5°	11	7	6	6	4	0	0
30°	11	8	6	6	5	0	0
27.5°	11	9	6	6	5	0	0
25°	12	10	6	6	5	0	0
22.5°	12	10	6	6	5	0	0
20°	13	11	6	6	6	0	0
17.5°	13	11	6	6	6	0	0
15°	14	12	6	6	6	0	0
12.5°	15	12	6	6	6	0	0
10°	15	12	6	6	6	0	0
7.5°	16	12	6	6	6	0	0
5°	17	13	6	6	6	0	0
2.5°	18	13	6	6	6	0	0
0°	19	13	6	6	6	0	0
-2.5°	22	13	7	6	6	0	0
-5°	26	14	7	6	6	0	0
-7.5°	29	15	8	6	6	0	0
-10°	31	15	8	6	6	1	0
-12.5°	33	15	9	6	6	1	0
-15°	35	16	9	6	6	1	0
-17.5°	36	16	10	6	6	1	0
-20°	36	16	10	6	6	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37	16	10	6	6	1	0
-25°	36	17	10	6	6	1	0
-27.5°	36	19	10	6	6	1	0
-30°	35	20	9	6	6	1	0
-32.5°	34	20	10	6	5	1	0
-35°	35	21	10	6	5	2	0
-37.5°	35	21	10	6	5	2	0
-40°	35	21	11	6	5	2	0
-42.5°	35	21	11	7	5	2	0
-45°	34	21	11	7	5	2	0
-47.5°	33	21	12	7	5	2	0
-50°	32	20	12	7	5	2	0
-52.5°	31	19	12	8	5	2	0
-55°	30	19	12	8	5	2	0
-57.5°	28	18	11	8	5	1	0
-60°	27	17	11	8	6	1	0
-62.5°	25	16	11	8	5	1	0
-65°	23	15	11	8	5	1	0
-67.5°	21	14	11	8	5	1	0
-70°	18	14	10	8	4	1	0
-72.5°	17	13	10	7	4	1	0
-75°	16	12	9	6	3	1	0
-77.5°	14	11	8	5	3	1	0
-80°	13	9	7	4	2	1	0
-82.5°	10	7	5	3	2	0	0
-85°	7	5	3	2	1	0	0
-87.5°	3	2	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)