

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: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-750-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627416 (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-SA4C-750-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22607 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 31672 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 15142.1 lumens  
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 20387.5 lumens  
Field Efficiency: 90.2%

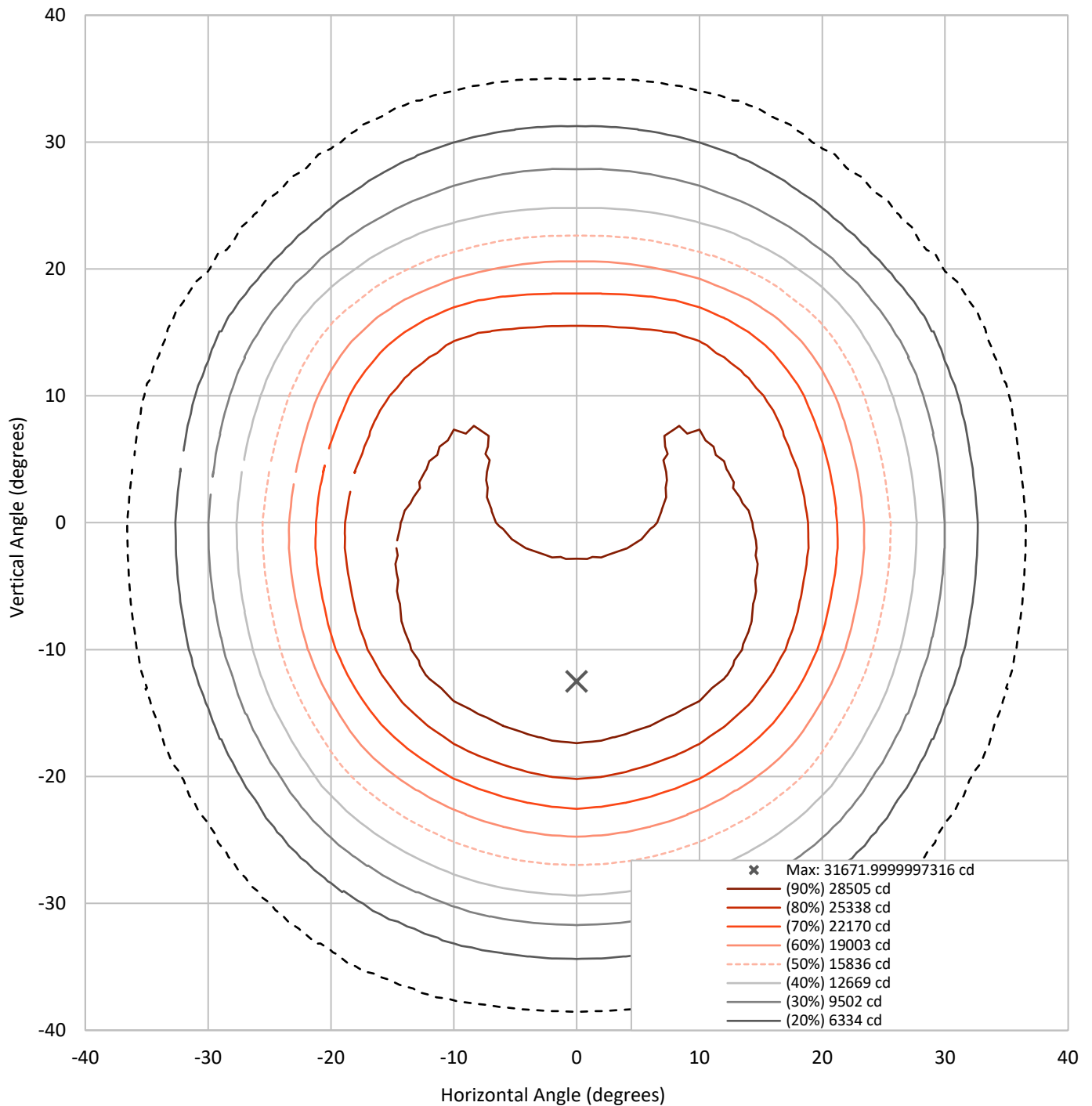
Input Watts (W): 168.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-750-U-MWR-VSR-XX

### Iso-Candela Plot





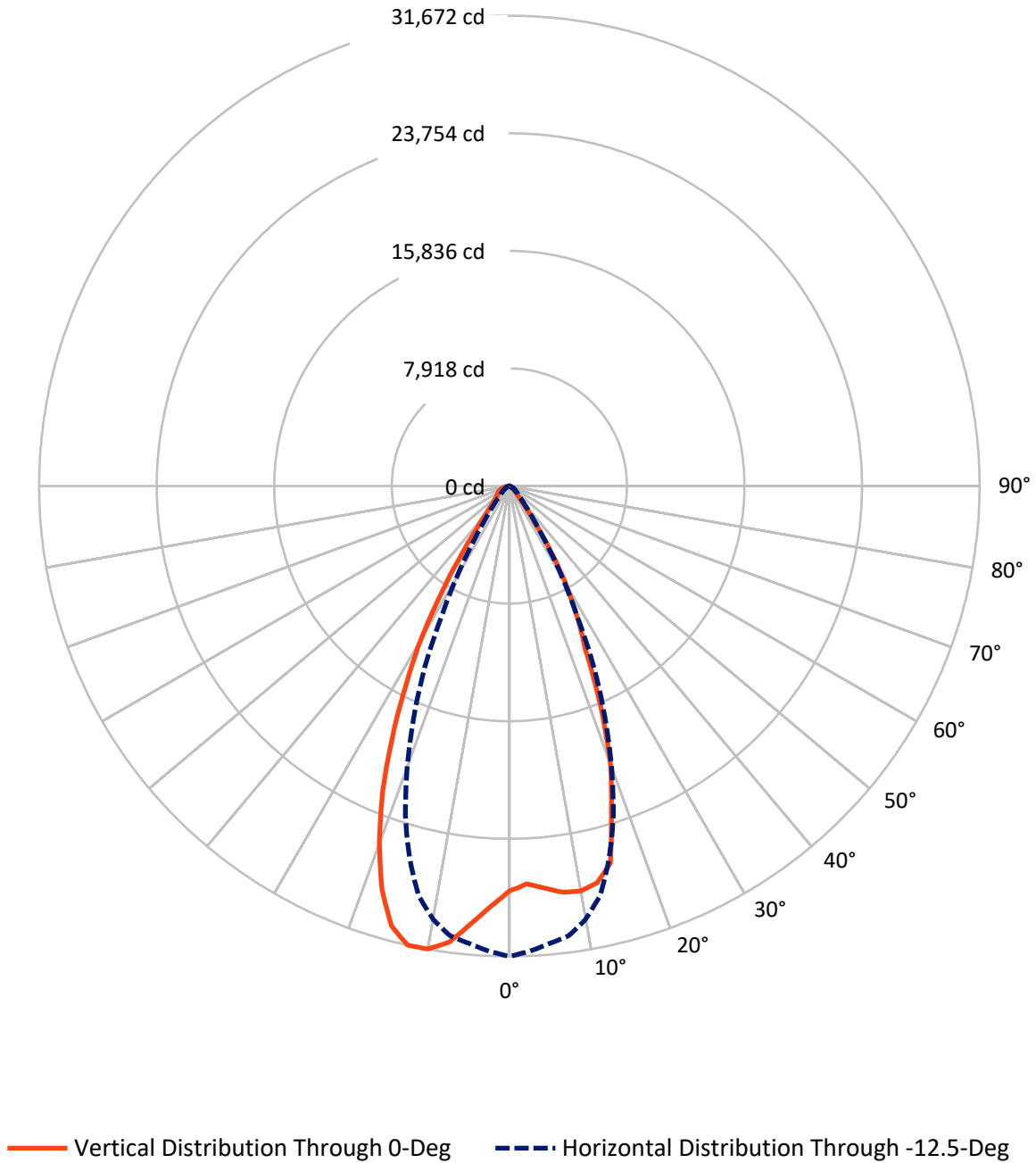
REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0									
50		0.1	0.2	0.7	1.8	3.1	4.3	5.0	5.0	4.3	3.1	1.8	0.7	0.2		0.1								
40	0.1	0.1	0.9	3.2	6.3	10.4	15.5	19.0	19.0	15.5	10.4	6.3	3.2	0.9	0.1	0.1								
30		0.4	2.5	6.6	13.6	29.3	66.7	101.9	101.9	66.7	29.3	13.6	6.6	2.5	0.4									
20	0.2	0.9	4.2	10.6	28.4	105.1	270.6	378.3	378.3	270.6	105.1	28.4	10.6	4.2	0.9	0.2								
10		1.5	5.9	16.3	67.5	291.8	608.8	753.8	753.8	608.8	291.8	67.5	16.3	5.9	1.5									
0	0.5	2.0	7.3	21.0	107.5	429.8	785.0	851.0	851.0	785.0	429.8	107.5	21.0	7.3	2.0	0.5								
-10		2.3	8.0	22.5	112.5	443.9	813.2	903.2	903.2	813.2	443.9	112.5	22.5	8.0	2.3									
-20	0.6	2.5	8.2	20.5	80.5	330.5	686.1	876.0	876.0	686.1	330.5	80.5	20.5	8.2	2.5	0.6								
-30		2.4	7.8	17.0	45.0	160.3	382.3	537.9	537.9	382.3	160.3	45.0	17.0	7.8	2.4									
-40	0.6	2.1	6.9	14.1	26.8	57.1	119.4	177.2	177.2	119.4	57.1	26.8	14.1	6.9	2.1	0.6								
-50		1.8	5.8	11.8	19.6	29.0	40.8	48.3	48.3	40.8	29.0	19.6	11.8	5.8	1.8									
-60	0.4	1.3	4.4	9.3	15.4	21.3	26.6	29.1	29.1	26.6	21.3	15.4	9.3	4.4	1.3	0.4								
-70		0.9	2.8	6.3	10.8	15.3	19.3	21.6	21.6	19.3	15.3	10.8	6.3	2.8	0.9									
-80	0.2	2.5	11.4	24.2	31.1	24.2	11.4	2.5	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

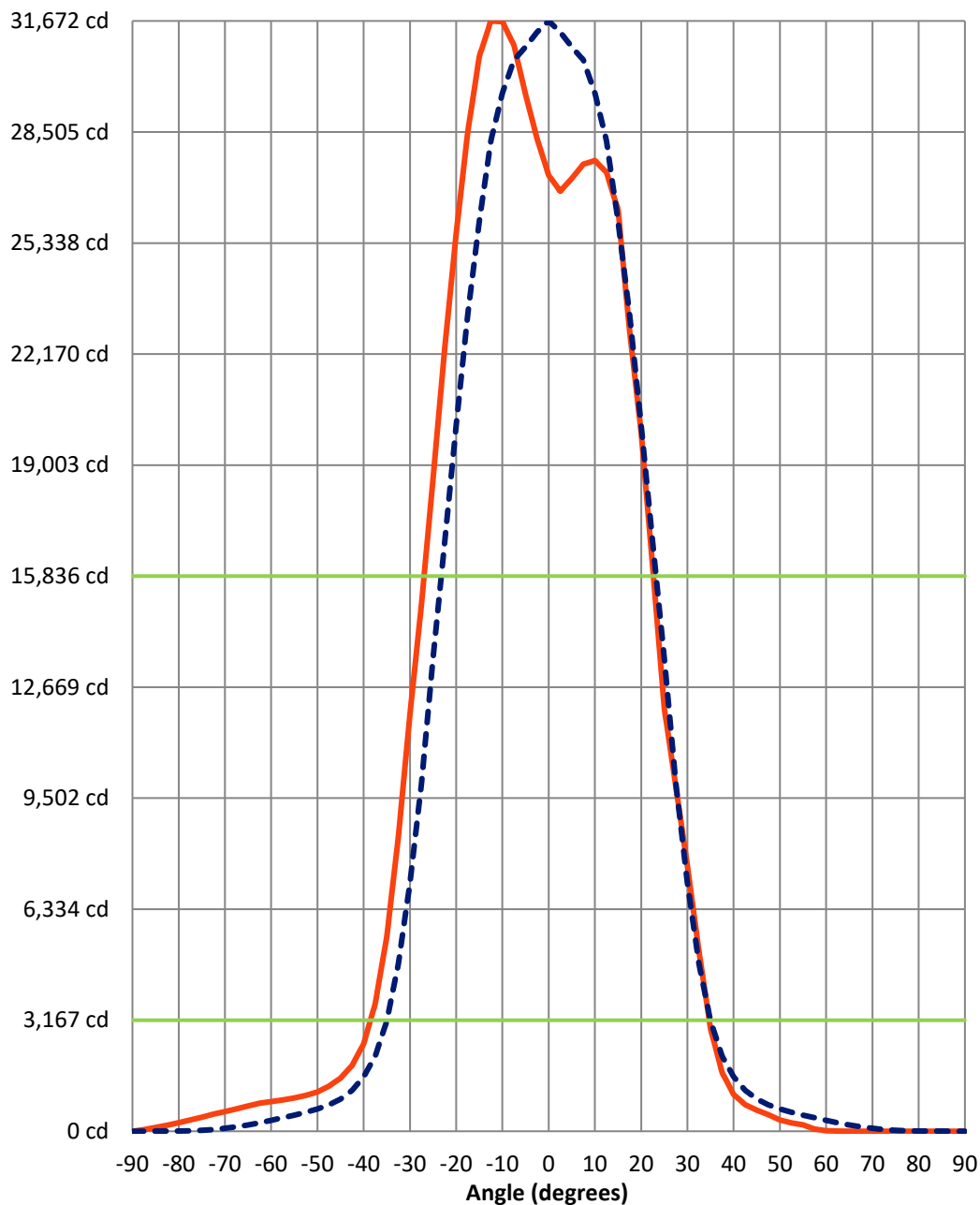
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 15142.1  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 20387.5  
 Efficiency: 90.2%

**Spill:**  
 Lumens: 2219.4  
 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	0	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	0	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	2	2
62.5°	0	0	0	2	3	2	1	1	2	3	3
60°	0	0	0	2	3	2	1	2	4	4	5
57.5°	0	0	0	3	3	2	2	4	4	5	5
55°	0	0	1	3	4	2	3	5	5	5	5
52.5°	0	0	1	4	4	3	4	5	5	5	5
50°	0	0	1	4	4	3	5	6	5	5	6
47.5°	0	0	2	5	4	4	5	6	5	5	7
45°	0	0	2	5	4	4	6	6	5	6	9
42.5°	0	0	2	5	4	5	6	7	6	8	10
40°	0	0	3	5	4	5	7	7	7	10	12
37.5°	0	0	3	5	5	5	7	7	8	12	14
35°	0	0	3	5	5	6	8	8	10	15	19
32.5°	0	0	4	5	5	6	9	8	12	18	31
30°	0	0	4	5	5	7	9	9	14	23	42
27.5°	0	0	4	5	5	7	9	10	17	28	51
25°	0	0	4	5	5	8	10	12	21	35	60
22.5°	0	0	4	5	5	8	10	14	25	43	71
20°	0	0	5	5	5	9	10	15	29	50	82
17.5°	0	0	5	5	5	9	11	17	34	56	93
15°	0	0	5	5	5	10	11	19	38	62	105
12.5°	0	0	5	5	5	10	12	23	43	67	116
10°	0	0	5	5	5	10	13	27	47	75	126
7.5°	0	0	5	5	5	10	13	31	50	84	135
5°	0	0	5	5	5	10	14	34	53	93	141
2.5°	0	0	5	5	5	10	15	38	55	101	146
0°	0	0	5	5	5	10	16	41	57	109	151
-2.5°	0	0	5	5	6	11	18	43	64	114	159
-5°	0	0	5	5	6	11	21	44	71	118	166
-7.5°	0	0	5	5	7	12	23	45	77	122	171
-10°	0	0	5	5	7	12	25	46	82	125	176
-12.5°	0	1	5	5	7	13	27	47	86	127	179
-15°	0	1	5	5	8	13	28	47	87	129	181
-17.5°	0	1	5	5	8	13	29	49	87	129	181
-20°	0	1	5	5	8	13	30	51	86	128	179

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CATALOG NUMBER: GFLD-SA4C-750-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	5	5	8	13	30	52	84	127	174
-25°	0	1	5	5	8	14	30	53	82	124	167
-27.5°	0	1	5	5	8	15	29	53	80	121	164
-30°	0	1	5	5	8	16	29	52	79	117	159
-32.5°	0	1	4	5	8	17	28	51	78	114	152
-35°	0	1	4	5	8	17	28	49	76	110	145
-37.5°	0	1	4	5	9	17	29	48	73	107	143
-40°	0	1	4	5	9	17	29	46	69	102	140
-42.5°	0	1	4	5	9	17	28	44	65	97	136
-45°	0	1	4	6	9	17	28	42	62	91	129
-47.5°	0	1	4	6	9	17	27	41	59	84	121
-50°	0	1	4	6	10	16	26	39	56	80	112
-52.5°	0	1	4	6	10	16	25	37	54	76	102
-55°	0	1	4	6	10	15	24	35	51	71	96
-57.5°	0	1	4	6	9	15	23	33	48	67	89
-60°	0	1	5	6	9	14	22	32	45	62	82
-62.5°	0	1	4	6	9	13	20	29	41	57	75
-65°	0	1	4	6	9	12	19	27	38	51	68
-67.5°	0	1	4	6	9	12	17	24	34	46	60
-70°	0	1	3	6	8	11	15	21	30	39	52
-72.5°	0	1	3	6	8	11	14	18	25	33	43
-75°	0	1	3	5	8	10	13	16	21	27	35
-77.5°	0	1	2	4	7	9	12	15	18	22	27
-80°	0	0	2	3	5	8	10	13	16	19	22
-82.5°	0	0	1	3	4	6	8	10	13	16	18
-85°	0	0	1	2	3	4	5	7	9	11	13
-87.5°	0	0	0	1	1	2	3	4	4	5	7
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: GFLD-SA4C-750-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	0	0	0	0	0	0	0	0
67.5°	0	1	2	1	0	0	0	0	0	0	0
65°	3	3	3	1	0	1	2	1	0	0	0
62.5°	5	4	3	2	3	4	3	2	0	1	2
60°	5	4	4	4	5	5	3	4	4	5	12
57.5°	5	5	5	6	6	5	6	7	19	31	34
55°	5	5	6	7	8	9	14	29	43	54	58
52.5°	6	6	8	10	12	20	36	53	67	77	91
50°	7	8	11	14	23	40	60	79	97	114	134
47.5°	9	11	16	23	42	65	89	113	134	157	186
45°	11	17	22	40	64	93	123	150	171	198	224
42.5°	13	25	38	57	91	125	159	181	206	235	269
40°	22	36	54	84	120	161	191	215	240	282	322
37.5°	32	50	72	110	154	194	223	252	289	337	385
35°	43	64	96	139	188	224	257	293	344	399	457
32.5°	55	77	120	168	214	253	289	343	397	457	537
30°	67	97	143	196	239	280	331	390	444	518	611
27.5°	79	117	167	219	262	306	372	430	492	575	687
25°	92	138	190	239	285	339	412	474	537	644	794
22.5°	109	158	211	259	306	375	453	529	612	719	904
20°	126	177	231	282	327	409	497	590	703	851	1094
17.5°	141	194	250	305	362	445	543	654	794	979	1336
15°	156	209	268	328	394	483	591	726	896	1125	1570
12.5°	169	223	286	350	423	516	632	779	980	1310	1869
10°	181	235	303	372	449	546	668	824	1048	1443	2092
7.5°	191	248	319	393	471	572	698	861	1108	1547	2266
5°	199	264	333	408	488	593	724	889	1159	1623	2400
2.5°	207	278	344	421	500	610	744	915	1208	1686	2514
0°	213	291	353	431	509	623	758	935	1246	1729	2602
-2.5°	220	297	365	439	523	632	765	949	1259	1735	2584
-5°	226	302	376	445	535	637	767	954	1257	1722	2531
-7.5°	231	305	383	450	541	640	768	951	1244	1693	2444
-10°	235	308	386	456	543	640	764	939	1214	1637	2314
-12.5°	240	311	386	459	542	636	754	918	1168	1553	2147
-15°	243	313	386	458	540	629	738	889	1106	1442	1939
-17.5°	245	313	384	454	535	619	716	854	1049	1344	1791
-20°	244	312	382	447	529	609	701	827	1001	1250	1611

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CATALOG NUMBER: GFLD-SA4C-750-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°	242	310	379	440	519	598	684	794	940	1144	1436
-25°	237	306	374	436	507	585	661	758	885	1066	1308
-27.5°	229	300	366	430	495	570	642	729	841	980	1174
-30°	218	291	356	420	484	554	623	697	795	916	1072
-32.5°	206	282	345	408	472	538	603	672	756	857	978
-35°	198	269	334	393	456	520	583	647	716	805	910
-37.5°	194	256	322	377	437	500	561	621	685	755	850
-40°	187	243	308	364	418	479	538	595	654	724	797
-42.5°	179	234	293	351	402	457	514	569	628	693	761
-45°	172	223	279	332	384	436	490	542	600	661	724
-47.5°	162	210	264	311	362	414	467	518	569	626	687
-50°	151	196	245	291	336	388	440	492	542	590	643
-52.5°	139	179	226	270	312	355	409	461	511	559	606
-55°	125	163	205	249	291	329	375	428	477	525	573
-57.5°	115	147	185	227	268	307	350	395	444	489	536
-60°	106	132	164	203	244	283	324	366	410	454	496
-62.5°	96	118	145	177	215	255	293	332	374	412	449
-65°	87	105	127	154	184	220	257	295	332	366	398
-67.5°	76	93	111	131	157	187	217	251	286	318	349
-70°	66	80	96	113	132	156	184	211	239	268	298
-72.5°	55	68	81	95	112	132	154	176	200	225	250
-75°	45	55	66	78	93	109	127	146	165	185	206
-77.5°	35	44	53	62	73	86	100	116	131	147	163
-80°	27	33	40	48	57	66	76	86	98	111	124
-82.5°	22	26	30	35	41	47	54	61	70	79	89
-85°	16	18	21	24	27	31	35	39	44	50	56
-87.5°	8	9	10	12	13	15	17	18	21	24	27
-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	1	1	3	3	4	4	4
60°	14	10	13	17	16	12	18	21	19	16	16
57.5°	36	39	45	53	58	62	66	72	76	78	80
55°	67	80	94	101	112	129	144	145	148	151	160
52.5°	107	122	129	142	164	178	185	197	210	222	234
50°	155	168	184	204	225	239	243	264	290	311	324
47.5°	204	221	250	285	303	318	340	367	396	427	451
45°	249	281	317	348	372	399	428	462	507	549	581
42.5°	300	336	373	409	435	480	531	571	636	692	728
40°	361	396	448	493	547	604	691	773	854	949	1018
37.5°	433	487	561	633	714	797	954	1114	1245	1429	1531
35°	519	604	708	815	945	1146	1375	1684	2006	2274	2533
32.5°	619	727	871	1063	1280	1603	1947	2517	3073	3628	4173
30°	718	875	1095	1358	1716	2226	2874	3756	4711	5547	6304
27.5°	849	1072	1358	1750	2360	3108	4304	5528	6744	7830	8610
25°	1007	1306	1711	2360	3241	4481	6085	7585	9012	10077	10973
22.5°	1237	1684	2259	3086	4684	6409	8328	10216	11819	13160	14043
20°	1520	2125	3088	4586	6465	8622	11092	13078	15052	16561	17909
17.5°	1921	2885	4244	6147	8392	11270	13812	16027	18534	20076	21451
15°	2282	3520	5458	7885	10517	13567	16565	19278	21697	23392	24929
12.5°	2739	4196	6424	9279	12157	15552	18670	21574	23944	25688	26763
10°	3148	4889	7388	10375	13596	17143	20374	23397	25693	27041	27832
7.5°	3478	5465	8170	11312	14713	18284	21696	24697	26893	28021	28561
5°	3734	5892	8782	12081	15614	19267	22750	25687	27536	28469	28771
2.5°	3926	6189	9194	12587	16221	19992	23549	26443	28021	28694	28794
0°	4056	6398	9462	12905	16742	20253	23981	26920	28421	28961	29013
-2.5°	4025	6322	9450	12789	16682	20370	24050	26951	28557	29283	29401
-5°	3943	6144	9136	12462	16208	19901	23411	26474	28445	29541	30026
-7.5°	3785	5837	8601	11837	15439	19136	22715	25893	28161	29703	30653
-10°	3516	5388	7915	11045	14596	18118	21657	24955	27397	29254	30577
-12.5°	3149	4778	7079	9925	13494	16782	20133	23293	25959	28248	29615
-15°	2769	4144	6211	8814	11921	15160	18256	21356	23988	26128	27834
-17.5°	2499	3588	5204	7483	10211	13284	16304	19152	21527	23539	25328
-20°	2157	2966	4246	6162	8564	11250	14143	16678	18799	20685	22394

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REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-750-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°	1885	2540	3465	4772	6929	9298	11665	13999	15992	17673	19131
-25°	1638	2098	2820	3883	5287	7332	9326	11297	13138	14700	16013
-27.5°	1444	1810	2291	3048	4113	5307	7054	8701	10284	11712	12950
-30°	1268	1542	1918	2392	3116	4003	5054	6285	7547	8675	9800
-32.5°	1141	1336	1595	1946	2352	2987	3622	4451	5250	6072	6879
-35°	1027	1184	1360	1595	1873	2244	2662	3169	3596	4134	4630
-37.5°	949	1060	1194	1342	1542	1748	2032	2339	2604	2904	3156
-40°	884	971	1062	1162	1299	1439	1622	1794	1962	2145	2282
-42.5°	830	900	965	1043	1124	1236	1359	1466	1568	1676	1765
-45°	788	839	892	952	1014	1095	1182	1262	1329	1389	1437
-47.5°	742	788	835	881	934	993	1050	1101	1157	1203	1237
-50°	696	743	785	825	871	917	962	1003	1042	1077	1098
-52.5°	653	700	742	779	817	855	893	930	964	995	1009
-55°	619	663	705	738	771	803	836	871	903	933	942
-57.5°	582	627	668	698	728	757	788	820	851	879	888
-60°	540	587	623	652	682	714	743	772	800	824	834
-62.5°	490	532	565	593	621	646	678	709	739	763	778
-65°	431	467	498	527	553	579	608	637	664	685	700
-67.5°	378	407	433	458	484	510	537	564	589	608	620
-70°	326	353	377	401	424	446	469	491	513	529	542
-72.5°	276	299	320	341	362	382	401	420	439	453	465
-75°	228	247	266	283	301	317	332	347	361	373	384
-77.5°	179	196	211	226	241	254	266	277	288	298	308
-80°	137	149	160	172	183	193	202	210	219	227	234
-82.5°	99	106	114	121	129	136	142	148	154	160	166
-85°	63	67	71	75	79	83	87	91	95	99	102
-87.5°	30	32	34	36	38	40	41	43	45	47	49
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-750-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°	5	5	5	5	5	5	5	4	4	4	3
60°	16	15	15	16	15	15	16	16	16	19	21
57.5°	78	73	68	62	68	73	78	80	78	76	72
55°	170	179	183	182	183	179	170	160	151	148	145
52.5°	241	246	244	239	244	246	241	234	222	210	197
50°	329	330	327	322	327	330	329	324	311	290	264
47.5°	463	470	473	473	473	470	463	451	427	396	367
45°	594	601	603	602	603	601	594	581	549	507	462
42.5°	747	758	762	758	762	758	747	728	692	636	571
40°	1058	1071	1065	1049	1065	1071	1058	1018	949	854	773
37.5°	1603	1655	1677	1677	1677	1655	1603	1531	1429	1245	1114
35°	2765	2950	3035	2929	3035	2950	2765	2533	2274	2006	1684
32.5°	4618	4946	5131	5131	5131	4946	4618	4173	3628	3073	2517
30°	6876	7286	7517	7566	7517	7286	6876	6304	5547	4711	3756
27.5°	9217	9642	9863	9830	9863	9642	9217	8610	7830	6744	5528
25°	11567	11888	12074	12079	12074	11888	11567	10973	10077	9012	7585
22.5°	15038	15714	15993	16067	15993	15714	15038	14043	13160	11819	10216
20°	18821	19477	19900	19926	19900	19477	18821	17909	16561	15052	13078
17.5°	22426	22752	22812	22839	22812	22752	22426	21451	20076	18534	16027
15°	25824	25938	26239	26277	26239	25938	25824	24929	23392	21697	19278
12.5°	27438	27543	27491	27352	27491	27543	27438	26763	25688	23944	21574
10°	28318	28171	27952	27689	27952	28171	28318	27832	27041	25693	23397
7.5°	28517	28354	27968	27585	27968	28354	28517	28561	28021	26893	24697
5°	28612	28132	27645	27180	27645	28132	28612	28771	28469	27536	25687
2.5°	28556	27986	27316	26817	27316	27986	28556	28794	28694	28021	26443
0°	28738	28162	27460	27274	27460	28162	28738	29013	28961	28421	26920
-2.5°	29245	28778	28412	28312	28412	28778	29245	29401	29283	28557	26951
-5°	30158	30055	29433	29579	29433	30055	30158	30026	29541	28445	26474
-7.5°	31040	30893	30630	30971	30630	30893	31040	30653	29703	28161	25893
-10°	31274	31226	31349	31651	31349	31226	31274	30577	29254	27397	24955
-12.5°	30555	30932	31354	31672	31354	30932	30555	29615	28248	25959	23293
-15°	28953	29724	30354	30654	30354	29724	28953	27834	26128	23988	21356
-17.5°	26594	27538	28286	28499	28286	27538	26594	25328	23539	21527	19152
-20°	23689	24649	25330	25601	25330	24649	23689	22394	20685	18799	16678

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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°	20419	21357	21974	22299	21974	21357	20419	19131	17673	15992	13999
-25°	17101	17925	18473	18617	18473	17925	17101	16013	14700	13138	11297
-27.5°	13928	14591	14994	15039	14994	14591	13928	12950	11712	10284	8701
-30°	10736	11352	11701	11887	11701	11352	10736	9800	8675	7547	6285
-32.5°	7540	8028	8324	8402	8324	8028	7540	6879	6072	5250	4451
-35°	5027	5331	5519	5557	5519	5331	5027	4630	4134	3596	3169
-37.5°	3361	3510	3601	3645	3601	3510	3361	3156	2904	2604	2339
-40°	2381	2451	2490	2498	2490	2451	2381	2282	2145	1962	1794
-42.5°	1821	1857	1875	1880	1875	1857	1821	1765	1676	1568	1466
-45°	1472	1497	1511	1516	1511	1497	1472	1437	1389	1329	1262
-47.5°	1259	1275	1285	1288	1285	1275	1259	1237	1203	1157	1101
-50°	1111	1120	1123	1122	1123	1120	1111	1098	1077	1042	1003
-52.5°	1017	1023	1025	1023	1025	1023	1017	1009	995	964	930
-55°	948	952	953	950	953	952	948	942	933	903	871
-57.5°	895	900	899	893	899	900	895	888	879	851	820
-60°	842	849	849	847	849	849	842	834	824	800	772
-62.5°	790	800	802	800	802	800	790	778	763	739	709
-65°	714	727	727	722	727	727	714	700	685	664	637
-67.5°	631	640	641	639	641	640	631	620	608	589	564
-70°	553	563	563	561	563	563	553	542	529	513	491
-72.5°	476	485	488	488	488	485	476	465	453	439	420
-75°	394	403	402	400	402	403	394	384	373	361	347
-77.5°	317	325	324	322	324	325	317	308	298	288	277
-80°	241	248	246	244	246	248	241	234	227	219	210
-82.5°	171	176	174	171	174	176	171	166	160	154	148
-85°	106	109	109	109	109	109	106	102	99	95	91
-87.5°	50	52	49	47	49	52	50	49	47	45	43
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-750-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	1
62.5°	3	1	1	2	2	2	2	2	1	0	2
60°	18	12	16	17	13	10	14	12	5	4	4
57.5°	66	62	58	53	45	39	36	34	31	19	7
55°	144	129	112	101	94	80	67	58	54	43	29
52.5°	185	178	164	142	129	122	107	91	77	67	53
50°	243	239	225	204	184	168	155	134	114	97	79
47.5°	340	318	303	285	250	221	204	186	157	134	113
45°	428	399	372	348	317	281	249	224	198	171	150
42.5°	531	480	435	409	373	336	300	269	235	206	181
40°	691	604	547	493	448	396	361	322	282	240	215
37.5°	954	797	714	633	561	487	433	385	337	289	252
35°	1375	1146	945	815	708	604	519	457	399	344	293
32.5°	1947	1603	1280	1063	871	727	619	537	457	397	343
30°	2874	2226	1716	1358	1095	875	718	611	518	444	390
27.5°	4304	3108	2360	1750	1358	1072	849	687	575	492	430
25°	6085	4481	3241	2360	1711	1306	1007	794	644	537	474
22.5°	8328	6409	4684	3086	2259	1684	1237	904	719	612	529
20°	11092	8622	6465	4586	3088	2125	1520	1094	851	703	590
17.5°	13812	11270	8392	6147	4244	2885	1921	1336	979	794	654
15°	16565	13567	10517	7885	5458	3520	2282	1570	1125	896	726
12.5°	18670	15552	12157	9279	6424	4196	2739	1869	1310	980	779
10°	20374	17143	13596	10375	7388	4889	3148	2092	1443	1048	824
7.5°	21696	18284	14713	11312	8170	5465	3478	2266	1547	1108	861
5°	22750	19267	15614	12081	8782	5892	3734	2400	1623	1159	889
2.5°	23549	19992	16221	12587	9194	6189	3926	2514	1686	1208	915
0°	23981	20253	16742	12905	9462	6398	4056	2602	1729	1246	935
-2.5°	24050	20370	16682	12789	9450	6322	4025	2584	1735	1259	949
-5°	23411	19901	16208	12462	9136	6144	3943	2531	1722	1257	954
-7.5°	22715	19136	15439	11837	8601	5837	3785	2444	1693	1244	951
-10°	21657	18118	14596	11045	7915	5388	3516	2314	1637	1214	939
-12.5°	20133	16782	13494	9925	7079	4778	3149	2147	1553	1168	918
-15°	18256	15160	11921	8814	6211	4144	2769	1939	1442	1106	889
-17.5°	16304	13284	10211	7483	5204	3588	2499	1791	1344	1049	854
-20°	14143	11250	8564	6162	4246	2966	2157	1611	1250	1001	827

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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°	11665	9298	6929	4772	3465	2540	1885	1436	1144	940	794
-25°	9326	7332	5287	3883	2820	2098	1638	1308	1066	885	758
-27.5°	7054	5307	4113	3048	2291	1810	1444	1174	980	841	729
-30°	5054	4003	3116	2392	1918	1542	1268	1072	916	795	697
-32.5°	3622	2987	2352	1946	1595	1336	1141	978	857	756	672
-35°	2662	2244	1873	1595	1360	1184	1027	910	805	716	647
-37.5°	2032	1748	1542	1342	1194	1060	949	850	755	685	621
-40°	1622	1439	1299	1162	1062	971	884	797	724	654	595
-42.5°	1359	1236	1124	1043	965	900	830	761	693	628	569
-45°	1182	1095	1014	952	892	839	788	724	661	600	542
-47.5°	1050	993	934	881	835	788	742	687	626	569	518
-50°	962	917	871	825	785	743	696	643	590	542	492
-52.5°	893	855	817	779	742	700	653	606	559	511	461
-55°	836	803	771	738	705	663	619	573	525	477	428
-57.5°	788	757	728	698	668	627	582	536	489	444	395
-60°	743	714	682	652	623	587	540	496	454	410	366
-62.5°	678	646	621	593	565	532	490	449	412	374	332
-65°	608	579	553	527	498	467	431	398	366	332	295
-67.5°	537	510	484	458	433	407	378	349	318	286	251
-70°	469	446	424	401	377	353	326	298	268	239	211
-72.5°	401	382	362	341	320	299	276	250	225	200	176
-75°	332	317	301	283	266	247	228	206	185	165	146
-77.5°	266	254	241	226	211	196	179	163	147	131	116
-80°	202	193	183	172	160	149	137	124	111	98	86
-82.5°	142	136	129	121	114	106	99	89	79	70	61
-85°	87	83	79	75	71	67	63	56	50	44	39
-87.5°	41	40	38	36	34	32	30	27	24	21	18
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-750-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	0	1	0	0	0	0	0	0
67.5°	0	0	0	1	2	1	0	1	1	0	0
65°	2	1	0	1	3	3	3	2	2	1	0
62.5°	3	4	3	2	3	4	5	3	3	2	1
60°	3	5	5	4	4	4	5	5	4	4	2
57.5°	6	5	6	6	5	5	5	5	5	4	4
55°	14	9	8	7	6	5	5	5	5	5	5
52.5°	36	20	12	10	8	6	6	5	5	5	5
50°	60	40	23	14	11	8	7	6	5	5	6
47.5°	89	65	42	23	16	11	9	7	5	5	6
45°	123	93	64	40	22	17	11	9	6	5	6
42.5°	159	125	91	57	38	25	13	10	8	6	7
40°	191	161	120	84	54	36	22	12	10	7	7
37.5°	223	194	154	110	72	50	32	14	12	8	7
35°	257	224	188	139	96	64	43	19	15	10	8
32.5°	289	253	214	168	120	77	55	31	18	12	8
30°	331	280	239	196	143	97	67	42	23	14	9
27.5°	372	306	262	219	167	117	79	51	28	17	10
25°	412	339	285	239	190	138	92	60	35	21	12
22.5°	453	375	306	259	211	158	109	71	43	25	14
20°	497	409	327	282	231	177	126	82	50	29	15
17.5°	543	445	362	305	250	194	141	93	56	34	17
15°	591	483	394	328	268	209	156	105	62	38	19
12.5°	632	516	423	350	286	223	169	116	67	43	23
10°	668	546	449	372	303	235	181	126	75	47	27
7.5°	698	572	471	393	319	248	191	135	84	50	31
5°	724	593	488	408	333	264	199	141	93	53	34
2.5°	744	610	500	421	344	278	207	146	101	55	38
0°	758	623	509	431	353	291	213	151	109	57	41
-2.5°	765	632	523	439	365	297	220	159	114	64	43
-5°	767	637	535	445	376	302	226	166	118	71	44
-7.5°	768	640	541	450	383	305	231	171	122	77	45
-10°	764	640	543	456	386	308	235	176	125	82	46
-12.5°	754	636	542	459	386	311	240	179	127	86	47
-15°	738	629	540	458	386	313	243	181	129	87	47
-17.5°	716	619	535	454	384	313	245	181	129	87	49
-20°	701	609	529	447	382	312	244	179	128	86	51

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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°	684	598	519	440	379	310	242	174	127	84	52
-25°	661	585	507	436	374	306	237	167	124	82	53
-27.5°	642	570	495	430	366	300	229	164	121	80	53
-30°	623	554	484	420	356	291	218	159	117	79	52
-32.5°	603	538	472	408	345	282	206	152	114	78	51
-35°	583	520	456	393	334	269	198	145	110	76	49
-37.5°	561	500	437	377	322	256	194	143	107	73	48
-40°	538	479	418	364	308	243	187	140	102	69	46
-42.5°	514	457	402	351	293	234	179	136	97	65	44
-45°	490	436	384	332	279	223	172	129	91	62	42
-47.5°	467	414	362	311	264	210	162	121	84	59	41
-50°	440	388	336	291	245	196	151	112	80	56	39
-52.5°	409	355	312	270	226	179	139	102	76	54	37
-55°	375	329	291	249	205	163	125	96	71	51	35
-57.5°	350	307	268	227	185	147	115	89	67	48	33
-60°	324	283	244	203	164	132	106	82	62	45	32
-62.5°	293	255	215	177	145	118	96	75	57	41	29
-65°	257	220	184	154	127	105	87	68	51	38	27
-67.5°	217	187	157	131	111	93	76	60	46	34	24
-70°	184	156	132	113	96	80	66	52	39	30	21
-72.5°	154	132	112	95	81	68	55	43	33	25	18
-75°	127	109	93	78	66	55	45	35	27	21	16
-77.5°	100	86	73	62	53	44	35	27	22	18	15
-80°	76	66	57	48	40	33	27	22	19	16	13
-82.5°	54	47	41	35	30	26	22	18	16	13	10
-85°	35	31	27	24	21	18	16	13	11	9	7
-87.5°	17	15	13	12	10	9	8	7	5	4	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4C-750-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	0	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	0	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	3	2	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	3	3	0	0	0
55°	3	2	4	3	1	0	0
52.5°	4	3	4	4	1	0	0
50°	5	3	4	4	1	0	0
47.5°	5	4	4	5	2	0	0
45°	6	4	4	5	2	0	0
42.5°	6	5	4	5	2	0	0
40°	7	5	4	5	3	0	0
37.5°	7	5	5	5	3	0	0
35°	8	6	5	5	3	0	0
32.5°	9	6	5	5	4	0	0
30°	9	7	5	5	4	0	0
27.5°	9	7	5	5	4	0	0
25°	10	8	5	5	4	0	0
22.5°	10	8	5	5	4	0	0
20°	10	9	5	5	5	0	0
17.5°	11	9	5	5	5	0	0
15°	11	10	5	5	5	0	0
12.5°	12	10	5	5	5	0	0
10°	13	10	5	5	5	0	0
7.5°	13	10	5	5	5	0	0
5°	14	10	5	5	5	0	0
2.5°	15	10	5	5	5	0	0
0°	16	10	5	5	5	0	0
-2.5°	18	11	6	5	5	0	0
-5°	21	11	6	5	5	0	0
-7.5°	23	12	7	5	5	0	0
-10°	25	12	7	5	5	0	0
-12.5°	27	13	7	5	5	1	0
-15°	28	13	8	5	5	1	0
-17.5°	29	13	8	5	5	1	0
-20°	30	13	8	5	5	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	30	13	8	5	5	1	0
-25°	30	14	8	5	5	1	0
-27.5°	29	15	8	5	5	1	0
-30°	29	16	8	5	5	1	0
-32.5°	28	17	8	5	4	1	0
-35°	28	17	8	5	4	1	0
-37.5°	29	17	9	5	4	1	0
-40°	29	17	9	5	4	1	0
-42.5°	28	17	9	5	4	1	0
-45°	28	17	9	6	4	1	0
-47.5°	27	17	9	6	4	1	0
-50°	26	16	10	6	4	1	0
-52.5°	25	16	10	6	4	1	0
-55°	24	15	10	6	4	1	0
-57.5°	23	15	9	6	4	1	0
-60°	22	14	9	6	5	1	0
-62.5°	20	13	9	6	4	1	0
-65°	19	12	9	6	4	1	0
-67.5°	17	12	9	6	4	1	0
-70°	15	11	8	6	3	1	0
-72.5°	14	11	8	6	3	1	0
-75°	13	10	8	5	3	1	0
-77.5°	12	9	7	4	2	1	0
-80°	10	8	5	3	2	0	0
-82.5°	8	6	4	3	1	0	0
-85°	5	4	3	2	1	0	0
-87.5°	3	2	1	1	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)