

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: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-750-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627296 (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-SA3E-750-U-MWR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23130.2 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 32405.1 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 15492.5 lumens  
Beam Efficiency: 67.0%

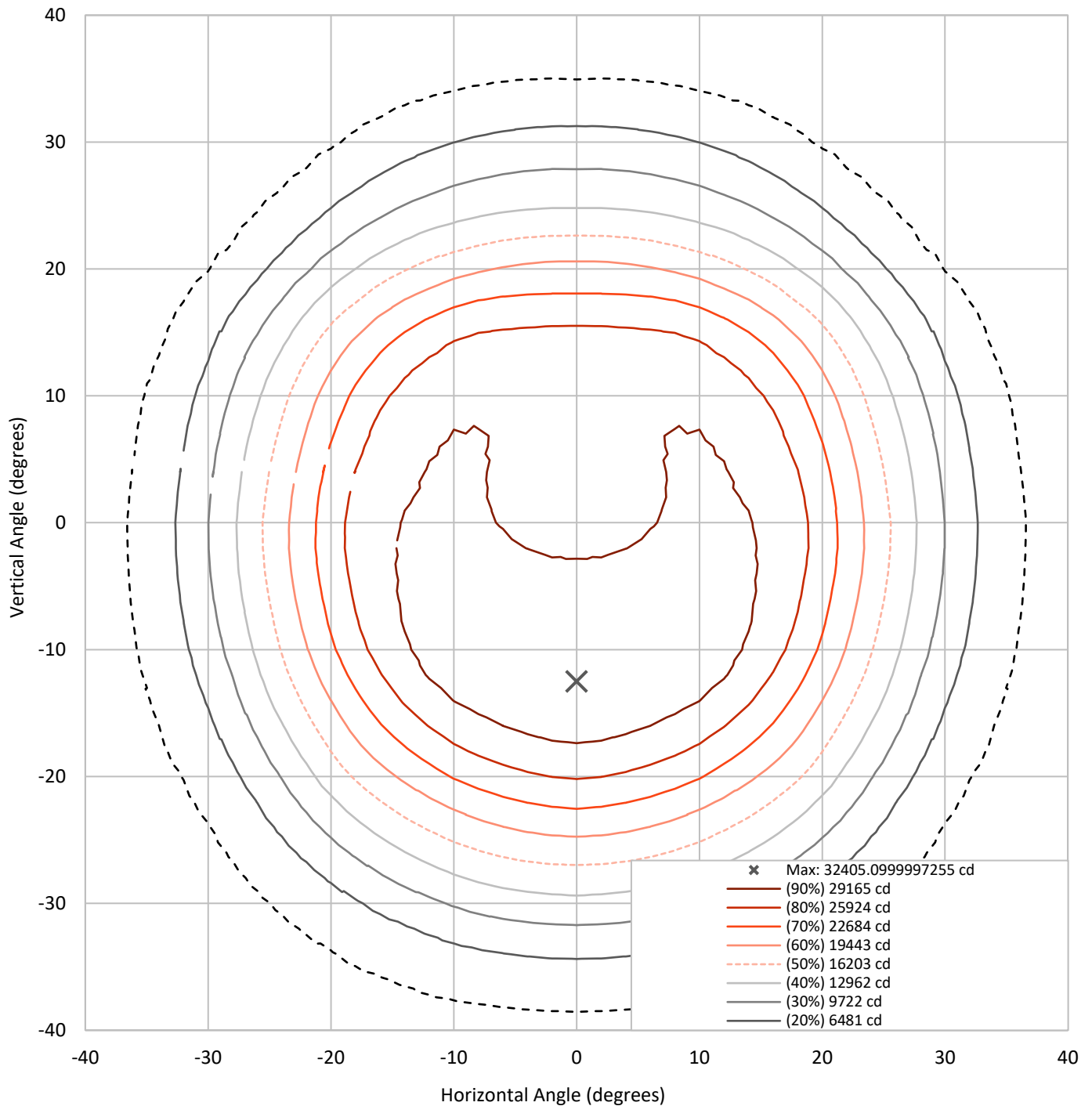
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 20848.3 lumens  
Field Efficiency: 90.1%

Input Watts (W): 185.2  
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: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-750-U-MWR-VSR-XX

### Iso-Candela Plot





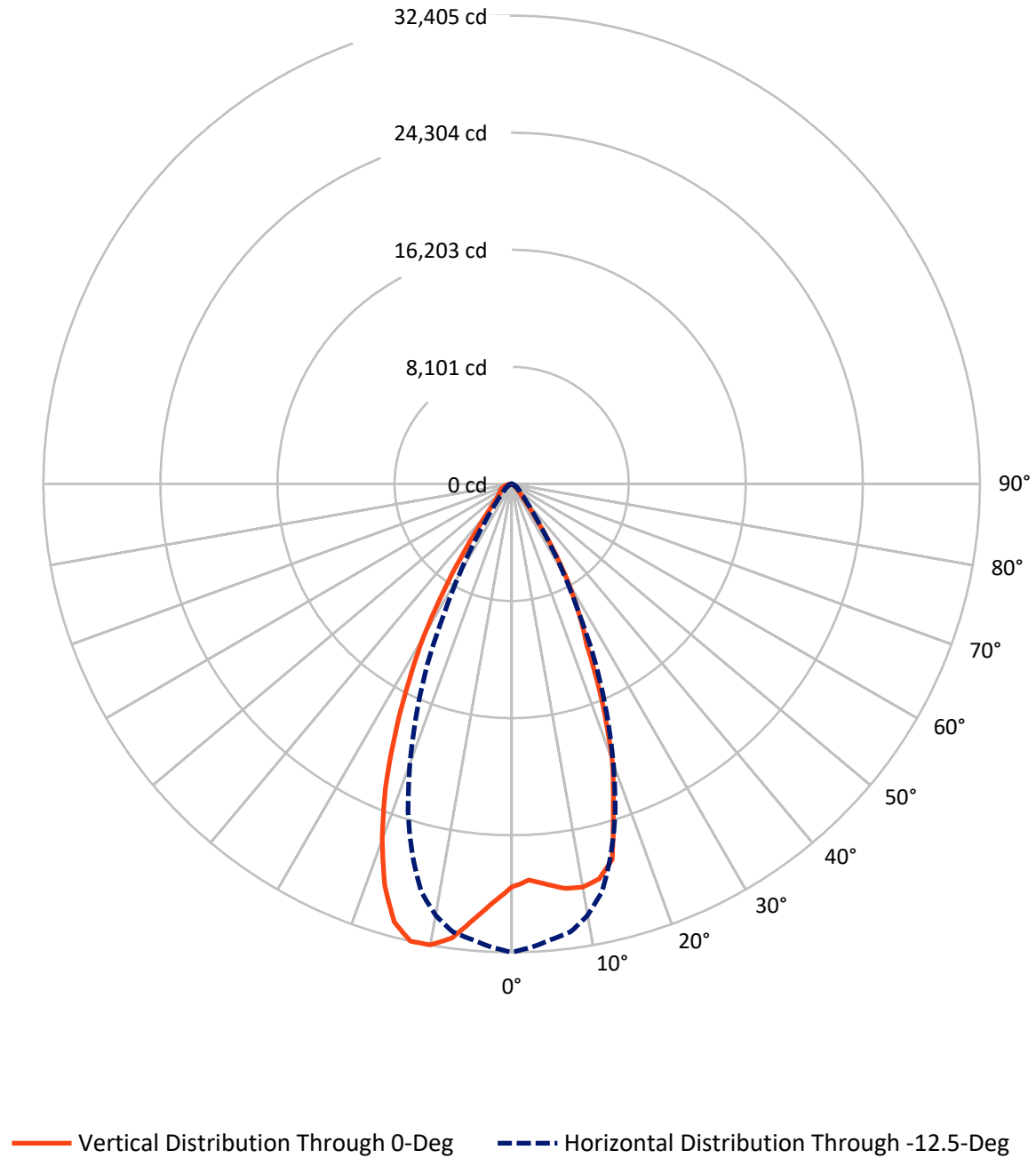
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### Lumen Table

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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0				
50		0.1	0.2	0.8	1.9	3.2	4.4	5.1	5.1	4.4	3.2	1.9	0.8	0.2	0.1				
40	0.1	0.1	0.9	3.3	6.5	10.6	15.9	19.5	19.5	15.9	10.6	6.5	3.3	0.9	0.1				
30		0.4	2.6	6.7	13.9	30.0	68.3	104.3	104.3	68.3	30.0	13.9	6.7	2.6	0.4				
20	0.3	0.9	4.3	10.8	29.0	107.5	276.9	387.0	387.0	276.9	107.5	29.0	10.8	4.3	0.9				
10		1.5	6.0	16.7	69.1	298.6	622.9	771.2	771.2	622.9	298.6	69.1	16.7	6.0	1.5				
0	0.5	2.0	7.5	21.5	110.0	439.7	803.1	870.7	870.7	803.1	439.7	110.0	21.5	7.5	2.0				
-10		2.4	8.2	23.0	115.1	454.1	832.1	924.1	924.1	832.1	454.1	115.1	23.0	8.2	2.4				
-20	0.6	2.5	8.4	21.0	82.3	338.1	701.9	896.3	896.3	701.9	338.1	82.3	21.0	8.4	2.5				
-30		2.5	7.9	17.4	46.0	164.0	391.1	550.4	550.4	391.1	164.0	46.0	17.4	7.9	2.5				
-40	0.6	2.1	7.1	14.5	27.5	58.4	122.2	181.3	181.3	122.2	58.4	27.5	14.5	7.1	2.1				
-50		1.8	6.0	12.1	20.1	29.6	41.7	49.4	49.4	41.7	29.6	20.1	12.1	6.0	1.8				
-60	0.4	1.4	4.5	9.5	15.8	21.8	27.2	29.8	29.8	27.2	21.8	15.8	9.5	4.5	1.4				
-70		0.9	2.9	6.5	11.1	15.6	19.8	22.1	22.1	19.8	15.6	11.1	6.5	2.9	0.9				
-80	0.2	2.6	11.6	24.8	31.8	24.8	11.6	2.6	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

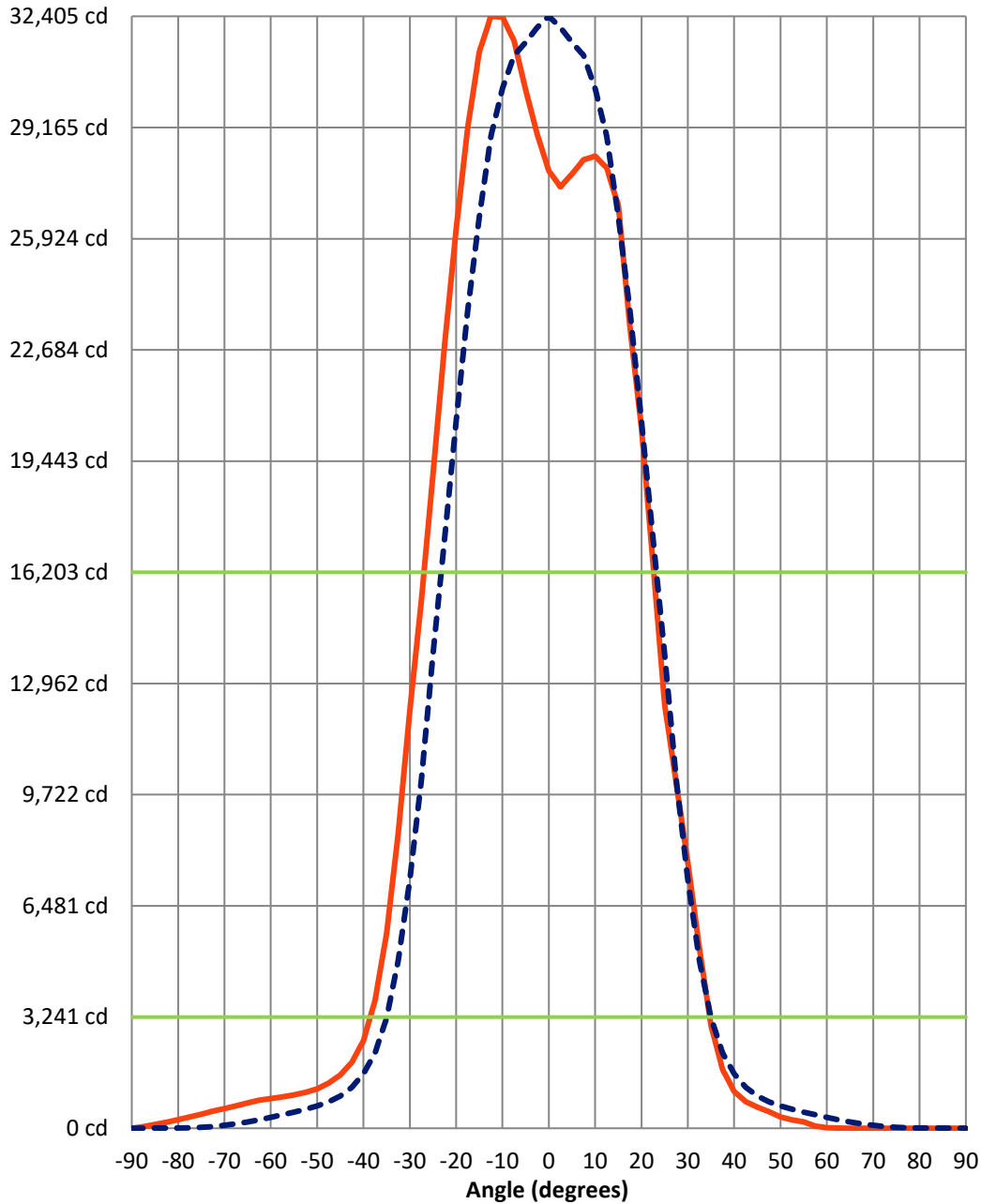
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 15492.5  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 20848.3  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2281.9  
 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	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	2	5	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	6	7	9
42.5°	0	0	3	5	4	5	6	7	6	8	11
40°	0	0	3	5	5	5	7	7	7	10	13
37.5°	0	0	3	5	5	5	8	7	9	12	15
35°	0	0	3	5	5	6	8	8	11	15	20
32.5°	0	0	4	5	5	6	9	8	13	19	32
30°	0	0	4	5	5	7	9	9	15	23	43
27.5°	0	0	4	5	5	7	10	11	18	28	53
25°	0	0	4	5	5	8	10	12	21	36	62
22.5°	0	0	4	5	5	9	10	14	26	44	73
20°	0	0	5	5	5	9	10	16	30	51	84
17.5°	0	0	5	5	5	9	11	17	35	57	96
15°	0	0	5	5	5	10	11	20	39	63	107
12.5°	0	0	5	5	5	10	12	24	44	68	119
10°	0	0	5	5	5	10	13	27	48	76	129
7.5°	0	0	5	5	5	10	14	31	51	86	138
5°	0	0	5	5	5	10	14	35	54	95	145
2.5°	0	0	5	5	5	11	15	39	56	103	150
0°	0	0	5	5	5	11	16	42	58	112	154
-2.5°	0	0	5	5	6	11	19	44	66	117	162
-5°	0	0	5	5	6	12	21	45	73	121	169
-7.5°	0	0	5	5	7	12	24	46	79	124	175
-10°	0	0	5	5	7	13	26	47	84	128	180
-12.5°	0	1	5	5	7	13	28	48	88	130	183
-15°	0	1	5	5	8	13	29	48	89	132	185
-17.5°	0	1	5	5	8	13	30	50	89	132	185
-20°	0	1	5	5	8	14	30	52	88	131	183

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REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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	14	30	53	86	130	178
-25°	0	1	5	5	8	15	30	54	84	127	171
-27.5°	0	1	5	5	8	15	30	54	82	123	167
-30°	0	1	5	5	8	16	30	53	81	120	162
-32.5°	0	1	5	5	8	17	29	52	80	116	156
-35°	0	1	4	5	8	17	29	50	78	113	148
-37.5°	0	1	4	5	9	17	29	49	75	109	146
-40°	0	1	4	5	9	18	29	47	70	104	143
-42.5°	0	1	4	5	9	18	29	45	67	99	139
-45°	0	1	4	6	9	17	28	43	64	93	132
-47.5°	0	1	4	6	10	17	27	42	61	86	124
-50°	0	1	4	6	10	17	27	40	58	82	114
-52.5°	0	1	4	6	10	16	26	38	55	78	104
-55°	0	1	4	6	10	16	25	36	52	73	98
-57.5°	0	1	5	6	9	15	24	34	49	68	91
-60°	0	1	5	6	9	15	22	32	46	63	84
-62.5°	0	1	4	7	9	14	21	30	42	58	77
-65°	0	1	4	7	9	13	19	28	39	53	69
-67.5°	0	1	4	6	9	12	17	25	34	47	61
-70°	0	1	3	6	8	11	15	22	30	40	53
-72.5°	0	1	3	6	8	11	14	19	26	34	44
-75°	0	1	3	5	8	10	13	17	21	28	36
-77.5°	0	1	2	4	7	9	12	15	18	23	28
-80°	0	0	2	3	5	8	11	13	16	19	23
-82.5°	0	0	1	3	4	6	8	11	13	16	19
-85°	0	0	1	2	3	4	5	7	9	11	13
-87.5°	0	0	0	1	1	2	3	4	5	6	7
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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	2	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	13
57.5°	5	5	5	6	6	6	7	8	19	32	35
55°	5	5	6	7	8	9	14	30	44	55	59
52.5°	6	6	8	10	12	20	37	54	68	79	93
50°	7	9	11	15	23	41	62	81	99	116	137
47.5°	9	11	16	23	43	66	91	116	137	161	190
45°	11	17	23	41	66	95	126	153	175	203	229
42.5°	13	26	39	58	93	128	163	185	210	240	275
40°	22	36	56	86	123	165	195	220	246	288	330
37.5°	33	51	74	113	158	199	228	257	296	345	394
35°	44	65	99	142	192	230	262	299	352	408	467
32.5°	57	78	123	172	219	259	296	351	406	468	549
30°	68	99	147	200	244	287	339	399	454	530	625
27.5°	81	119	171	224	269	313	381	440	503	589	703
25°	95	141	194	245	291	347	422	485	549	659	813
22.5°	111	161	216	265	313	383	464	542	627	735	925
20°	129	181	236	288	335	418	508	604	719	871	1119
17.5°	145	198	255	312	370	455	556	669	812	1001	1367
15°	160	214	274	335	403	494	604	743	916	1151	1606
12.5°	173	228	293	358	433	528	646	797	1002	1340	1912
10°	185	240	310	381	459	559	683	843	1072	1476	2140
7.5°	195	254	326	402	482	585	715	880	1134	1583	2318
5°	204	270	340	418	499	607	740	909	1186	1661	2456
2.5°	212	284	352	430	511	624	761	937	1236	1725	2572
0°	218	297	361	441	521	638	776	956	1275	1769	2662
-2.5°	225	304	374	449	536	647	783	971	1288	1776	2644
-5°	232	309	384	455	547	652	785	976	1286	1762	2589
-7.5°	237	312	392	461	554	655	785	973	1273	1732	2501
-10°	241	315	394	467	555	655	781	961	1243	1675	2368
-12.5°	246	318	395	469	555	651	771	940	1195	1589	2196
-15°	249	320	394	469	552	644	755	909	1131	1475	1984
-17.5°	251	321	393	465	548	634	732	874	1073	1375	1832
-20°	250	320	391	457	541	623	717	846	1024	1279	1648

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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°	248	317	387	451	531	611	699	812	962	1171	1469
-25°	243	313	382	447	519	598	677	775	906	1091	1339
-27.5°	234	307	374	440	506	583	657	746	860	1003	1201
-30°	223	298	364	430	495	567	638	714	814	938	1097
-32.5°	211	288	353	417	483	550	617	688	773	876	1001
-35°	203	275	341	402	467	532	597	662	732	824	931
-37.5°	198	262	329	386	448	511	574	636	701	773	870
-40°	192	249	315	373	428	490	550	609	669	741	815
-42.5°	184	239	300	359	411	468	525	582	642	709	778
-45°	176	228	286	340	393	446	502	555	614	677	741
-47.5°	166	215	270	318	371	424	477	530	582	641	703
-50°	154	200	251	297	344	397	450	503	554	604	658
-52.5°	142	183	231	277	319	364	418	472	523	572	620
-55°	128	167	210	255	297	336	384	438	489	537	586
-57.5°	117	150	190	232	274	315	358	404	454	501	548
-60°	108	135	168	208	249	289	331	374	419	465	507
-62.5°	98	121	148	181	220	260	300	340	383	421	460
-65°	89	107	130	158	188	225	263	301	340	374	407
-67.5°	78	95	113	134	161	191	222	257	292	326	357
-70°	67	82	98	115	135	160	188	216	245	274	305
-72.5°	56	69	83	97	114	135	157	180	205	230	256
-75°	46	56	68	80	95	112	130	149	169	190	211
-77.5°	36	45	54	64	75	88	103	118	134	150	167
-80°	28	34	41	49	58	67	77	88	100	113	127
-82.5°	22	26	31	36	42	48	55	62	71	81	91
-85°	16	19	21	24	28	31	35	40	45	51	58
-87.5°	8	9	11	12	14	15	17	19	22	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	17	13	19	22	20	16	17
57.5°	37	40	46	54	59	63	68	74	77	80	82
55°	68	82	96	103	114	132	147	148	151	155	164
52.5°	109	125	132	145	168	182	189	201	215	227	239
50°	159	172	188	208	230	244	249	271	297	319	332
47.5°	209	227	255	291	310	326	348	376	405	437	461
45°	255	287	324	356	381	408	438	473	519	562	595
42.5°	307	344	381	419	445	491	543	584	650	708	745
40°	369	405	459	504	560	618	707	791	874	971	1041
37.5°	443	498	574	647	730	815	976	1140	1274	1462	1567
35°	531	618	725	834	967	1172	1406	1723	2053	2327	2591
32.5°	634	744	892	1087	1310	1640	1992	2576	3144	3712	4270
30°	734	895	1121	1389	1756	2278	2941	3843	4820	5675	6450
27.5°	868	1096	1389	1791	2414	3180	4404	5656	6900	8011	8809
25°	1031	1336	1751	2415	3316	4585	6225	7761	9221	10310	11227
22.5°	1266	1723	2312	3158	4792	6557	8520	10452	12092	13464	14369
20°	1555	2174	3159	4692	6615	8822	11349	13380	15400	16944	18324
17.5°	1966	2951	4342	6289	8586	11530	14132	16398	18963	20541	21947
15°	2335	3602	5585	8068	10760	13881	16949	19724	22200	23934	25506
12.5°	2802	4293	6572	9494	12439	15912	19102	22073	24498	26283	27383
10°	3221	5002	7559	10615	13911	17540	20846	23939	26287	27667	28476
7.5°	3558	5591	8359	11574	15054	18707	22199	25269	27516	28670	29222
5°	3820	6028	8985	12360	15975	19712	23276	26281	28174	29128	29437
2.5°	4017	6332	9407	12878	16597	20455	24094	27055	28670	29358	29461
0°	4150	6546	9681	13203	17130	20721	24536	27544	29079	29632	29685
-2.5°	4118	6469	9669	13085	17068	20841	24607	27575	29218	29960	30081
-5°	4034	6286	9348	12751	16583	20361	23953	27087	29103	30225	30721
-7.5°	3873	5972	8800	12111	15797	19579	23241	26492	28813	30390	31362
-10°	3597	5512	8098	11301	14934	18537	22158	25532	28032	29931	31284
-12.5°	3221	4889	7243	10155	13806	17171	20599	23832	26560	28901	30300
-15°	2834	4240	6354	9018	12197	15511	18678	21850	24543	26733	28478
-17.5°	2557	3671	5325	7657	10448	13591	16681	19596	22025	24084	25914
-20°	2207	3035	4344	6305	8762	11510	14470	17064	19234	21164	22912

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REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	1929	2599	3545	4882	7090	9514	11935	14323	16363	18082	19574
-25°	1676	2146	2886	3973	5409	7502	9542	11559	13442	15040	16384
-27.5°	1477	1852	2344	3119	4208	5430	7217	8903	10522	11983	13250
-30°	1297	1577	1963	2447	3188	4095	5171	6431	7722	8875	10027
-32.5°	1167	1367	1632	1991	2406	3056	3706	4554	5371	6212	7038
-35°	1051	1212	1392	1632	1917	2296	2724	3242	3679	4230	4737
-37.5°	971	1084	1222	1374	1577	1789	2079	2393	2664	2971	3229
-40°	905	994	1087	1189	1329	1472	1659	1836	2008	2195	2334
-42.5°	849	921	988	1067	1150	1264	1390	1500	1605	1715	1806
-45°	806	859	913	974	1037	1120	1209	1292	1360	1421	1471
-47.5°	759	806	854	902	956	1016	1074	1127	1183	1231	1265
-50°	712	760	803	844	891	938	984	1026	1066	1102	1124
-52.5°	668	716	759	797	836	875	913	951	986	1018	1032
-55°	634	679	722	756	789	822	856	891	924	955	964
-57.5°	596	642	683	715	745	775	806	839	871	899	908
-60°	553	601	637	667	698	730	760	790	819	843	853
-62.5°	501	544	578	607	635	661	694	725	756	781	796
-65°	440	477	510	539	566	592	622	651	679	701	716
-67.5°	387	416	443	469	495	522	550	577	603	622	635
-70°	334	361	386	410	434	457	480	503	525	541	554
-72.5°	282	306	327	349	370	391	411	430	449	463	476
-75°	233	253	272	290	308	324	340	355	369	382	393
-77.5°	184	200	216	232	247	260	272	283	294	305	315
-80°	141	152	164	176	187	197	206	215	224	232	240
-82.5°	101	109	116	124	132	139	145	152	158	164	169
-85°	64	69	73	77	81	85	89	93	97	101	105
-87.5°	30	32	34	37	39	40	42	44	46	48	50
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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	16	16	16	16	16	16	17	16	20	22
57.5°	80	74	69	64	69	74	80	82	80	77	74
55°	174	183	187	186	187	183	174	164	155	151	148
52.5°	247	251	250	244	250	251	247	239	227	215	201
50°	337	338	335	329	335	338	337	332	319	297	271
47.5°	474	481	484	484	484	481	474	461	437	405	376
45°	607	614	617	616	617	614	607	595	562	519	473
42.5°	764	776	780	776	780	776	764	745	708	650	584
40°	1083	1096	1090	1073	1090	1096	1083	1041	971	874	791
37.5°	1640	1693	1716	1716	1716	1693	1640	1567	1462	1274	1140
35°	2829	3018	3105	2997	3105	3018	2829	2591	2327	2053	1723
32.5°	4725	5060	5249	5249	5249	5060	4725	4270	3712	3144	2576
30°	7035	7455	7691	7741	7691	7455	7035	6450	5675	4820	3843
27.5°	9431	9865	10091	10058	10091	9865	9431	8809	8011	6900	5656
25°	11835	12164	12353	12359	12353	12164	11835	11227	10310	9221	7761
22.5°	15386	16078	16363	16439	16363	16078	15386	14369	13464	12092	10452
20°	19257	19928	20361	20387	20361	19928	19257	18324	16944	15400	13380
17.5°	22945	23278	23340	23367	23340	23278	22945	21947	20541	18963	16398
15°	26422	26539	26846	26885	26846	26539	26422	25506	23934	22200	19724
12.5°	28074	28180	28127	27985	28127	28180	28074	27383	26283	24498	22073
10°	28973	28823	28599	28330	28599	28823	28973	28476	27667	26287	23939
7.5°	29177	29010	28615	28224	28615	29010	29177	29222	28670	27516	25269
5°	29274	28783	28285	27809	28285	28783	29274	29437	29128	28174	26281
2.5°	29217	28633	27949	27437	27949	28633	29217	29461	29358	28670	27055
0°	29403	28813	28096	27905	28096	28813	29403	29685	29632	29079	27544
-2.5°	29922	29444	29070	28967	29070	29444	29922	30081	29960	29218	27575
-5°	30856	30751	30114	30264	30114	30751	30856	30721	30225	29103	27087
-7.5°	31758	31608	31339	31688	31339	31608	31758	31362	30390	28813	26492
-10°	31998	31949	32075	32384	32075	31949	31998	31284	29931	28032	25532
-12.5°	31263	31648	32080	32405	32080	31648	31263	30300	28901	26560	23832
-15°	29624	30411	31057	31364	31057	30411	29624	28478	26733	24543	21850
-17.5°	27209	28175	28941	29159	28941	28175	27209	25914	24084	22025	19596
-20°	24237	25220	25916	26194	25916	25220	24237	22912	21164	19234	17064

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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°	20892	21851	22482	22815	22482	21851	20892	19574	18082	16363	14323
-25°	17497	18340	18900	19048	18900	18340	17497	16384	15040	13442	11559
-27.5°	14250	14929	15341	15387	15341	14929	14250	13250	11983	10522	8903
-30°	10984	11614	11972	12162	11972	11614	10984	10027	8875	7722	6431
-32.5°	7714	8214	8517	8597	8517	8214	7714	7038	6212	5371	4554
-35°	5143	5455	5646	5685	5646	5455	5143	4737	4230	3679	3242
-37.5°	3439	3591	3684	3730	3684	3591	3439	3229	2971	2664	2393
-40°	2436	2508	2547	2556	2547	2508	2436	2334	2195	2008	1836
-42.5°	1864	1900	1918	1923	1918	1900	1864	1806	1715	1605	1500
-45°	1506	1531	1546	1552	1546	1531	1506	1471	1421	1360	1292
-47.5°	1288	1305	1314	1318	1314	1305	1288	1265	1231	1183	1127
-50°	1136	1146	1149	1148	1149	1146	1136	1124	1102	1066	1026
-52.5°	1041	1047	1049	1047	1049	1047	1041	1032	1018	986	951
-55°	970	974	975	972	975	974	970	964	955	924	891
-57.5°	916	921	919	914	919	921	916	908	899	871	839
-60°	862	868	869	866	869	868	862	853	843	819	790
-62.5°	808	819	820	818	820	819	808	796	781	756	725
-65°	731	744	744	739	744	744	731	716	701	679	651
-67.5°	646	655	656	654	656	655	646	635	622	603	577
-70°	566	576	576	574	576	576	566	554	541	525	503
-72.5°	487	496	499	499	499	496	487	476	463	449	430
-75°	403	412	411	409	411	412	403	393	382	369	355
-77.5°	324	333	332	329	332	333	324	315	305	294	283
-80°	247	254	252	250	252	254	247	240	232	224	215
-82.5°	175	180	178	175	178	180	175	169	164	158	152
-85°	108	111	111	112	111	111	108	105	101	97	93
-87.5°	51	53	50	48	50	53	51	50	48	46	44
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	19	13	17	17	13	10	14	13	5	4	4
57.5°	68	63	59	54	46	40	37	35	32	19	8
55°	147	132	114	103	96	82	68	59	55	44	30
52.5°	189	182	168	145	132	125	109	93	79	68	54
50°	249	244	230	208	188	172	159	137	116	99	81
47.5°	348	326	310	291	255	227	209	190	161	137	116
45°	438	408	381	356	324	287	255	229	203	175	153
42.5°	543	491	445	419	381	344	307	275	240	210	185
40°	707	618	560	504	459	405	369	330	288	246	220
37.5°	976	815	730	647	574	498	443	394	345	296	257
35°	1406	1172	967	834	725	618	531	467	408	352	299
32.5°	1992	1640	1310	1087	892	744	634	549	468	406	351
30°	2941	2278	1756	1389	1121	895	734	625	530	454	399
27.5°	4404	3180	2414	1791	1389	1096	868	703	589	503	440
25°	6225	4585	3316	2415	1751	1336	1031	813	659	549	485
22.5°	8520	6557	4792	3158	2312	1723	1266	925	735	627	542
20°	11349	8822	6615	4692	3159	2174	1555	1119	871	719	604
17.5°	14132	11530	8586	6289	4342	2951	1966	1367	1001	812	669
15°	16949	13881	10760	8068	5585	3602	2335	1606	1151	916	743
12.5°	19102	15912	12439	9494	6572	4293	2802	1912	1340	1002	797
10°	20846	17540	13911	10615	7559	5002	3221	2140	1476	1072	843
7.5°	22199	18707	15054	11574	8359	5591	3558	2318	1583	1134	880
5°	23276	19712	15975	12360	8985	6028	3820	2456	1661	1186	909
2.5°	24094	20455	16597	12878	9407	6332	4017	2572	1725	1236	937
0°	24536	20721	17130	13203	9681	6546	4150	2662	1769	1275	956
-2.5°	24607	20841	17068	13085	9669	6469	4118	2644	1776	1288	971
-5°	23953	20361	16583	12751	9348	6286	4034	2589	1762	1286	976
-7.5°	23241	19579	15797	12111	8800	5972	3873	2501	1732	1273	973
-10°	22158	18537	14934	11301	8098	5512	3597	2368	1675	1243	961
-12.5°	20599	17171	13806	10155	7243	4889	3221	2196	1589	1195	940
-15°	18678	15511	12197	9018	6354	4240	2834	1984	1475	1131	909
-17.5°	16681	13591	10448	7657	5325	3671	2557	1832	1375	1073	874
-20°	14470	11510	8762	6305	4344	3035	2207	1648	1279	1024	846

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REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)

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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°	11935	9514	7090	4882	3545	2599	1929	1469	1171	962	812
-25°	9542	7502	5409	3973	2886	2146	1676	1339	1091	906	775
-27.5°	7217	5430	4208	3119	2344	1852	1477	1201	1003	860	746
-30°	5171	4095	3188	2447	1963	1577	1297	1097	938	814	714
-32.5°	3706	3056	2406	1991	1632	1367	1167	1001	876	773	688
-35°	2724	2296	1917	1632	1392	1212	1051	931	824	732	662
-37.5°	2079	1789	1577	1374	1222	1084	971	870	773	701	636
-40°	1659	1472	1329	1189	1087	994	905	815	741	669	609
-42.5°	1390	1264	1150	1067	988	921	849	778	709	642	582
-45°	1209	1120	1037	974	913	859	806	741	677	614	555
-47.5°	1074	1016	956	902	854	806	759	703	641	582	530
-50°	984	938	891	844	803	760	712	658	604	554	503
-52.5°	913	875	836	797	759	716	668	620	572	523	472
-55°	856	822	789	756	722	679	634	586	537	489	438
-57.5°	806	775	745	715	683	642	596	548	501	454	404
-60°	760	730	698	667	637	601	553	507	465	419	374
-62.5°	694	661	635	607	578	544	501	460	421	383	340
-65°	622	592	566	539	510	477	440	407	374	340	301
-67.5°	550	522	495	469	443	416	387	357	326	292	257
-70°	480	457	434	410	386	361	334	305	274	245	216
-72.5°	411	391	370	349	327	306	282	256	230	205	180
-75°	340	324	308	290	272	253	233	211	190	169	149
-77.5°	272	260	247	232	216	200	184	167	150	134	118
-80°	206	197	187	176	164	152	141	127	113	100	88
-82.5°	145	139	132	124	116	109	101	91	81	71	62
-85°	89	85	81	77	73	69	64	58	51	45	40
-87.5°	42	40	39	37	34	32	30	27	24	22	19
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627296 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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	2	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°	7	6	6	6	5	5	5	5	5	4	4
55°	14	9	8	7	6	5	5	5	5	5	5
52.5°	37	20	12	10	8	6	6	5	5	5	5
50°	62	41	23	15	11	9	7	6	5	5	6
47.5°	91	66	43	23	16	11	9	7	5	5	6
45°	126	95	66	41	23	17	11	9	7	6	6
42.5°	163	128	93	58	39	26	13	11	8	6	7
40°	195	165	123	86	56	36	22	13	10	7	7
37.5°	228	199	158	113	74	51	33	15	12	9	7
35°	262	230	192	142	99	65	44	20	15	11	8
32.5°	296	259	219	172	123	78	57	32	19	13	8
30°	339	287	244	200	147	99	68	43	23	15	9
27.5°	381	313	269	224	171	119	81	53	28	18	11
25°	422	347	291	245	194	141	95	62	36	21	12
22.5°	464	383	313	265	216	161	111	73	44	26	14
20°	508	418	335	288	236	181	129	84	51	30	16
17.5°	556	455	370	312	255	198	145	96	57	35	17
15°	604	494	403	335	274	214	160	107	63	39	20
12.5°	646	528	433	358	293	228	173	119	68	44	24
10°	683	559	459	381	310	240	185	129	76	48	27
7.5°	715	585	482	402	326	254	195	138	86	51	31
5°	740	607	499	418	340	270	204	145	95	54	35
2.5°	761	624	511	430	352	284	212	150	103	56	39
0°	776	638	521	441	361	297	218	154	112	58	42
-2.5°	783	647	536	449	374	304	225	162	117	66	44
-5°	785	652	547	455	384	309	232	169	121	73	45
-7.5°	785	655	554	461	392	312	237	175	124	79	46
-10°	781	655	555	467	394	315	241	180	128	84	47
-12.5°	771	651	555	469	395	318	246	183	130	88	48
-15°	755	644	552	469	394	320	249	185	132	89	48
-17.5°	732	634	548	465	393	321	251	185	132	89	50
-20°	717	623	541	457	391	320	250	183	131	88	52

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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°	699	611	531	451	387	317	248	178	130	86	53
-25°	677	598	519	447	382	313	243	171	127	84	54
-27.5°	657	583	506	440	374	307	234	167	123	82	54
-30°	638	567	495	430	364	298	223	162	120	81	53
-32.5°	617	550	483	417	353	288	211	156	116	80	52
-35°	597	532	467	402	341	275	203	148	113	78	50
-37.5°	574	511	448	386	329	262	198	146	109	75	49
-40°	550	490	428	373	315	249	192	143	104	70	47
-42.5°	525	468	411	359	300	239	184	139	99	67	45
-45°	502	446	393	340	286	228	176	132	93	64	43
-47.5°	477	424	371	318	270	215	166	124	86	61	42
-50°	450	397	344	297	251	200	154	114	82	58	40
-52.5°	418	364	319	277	231	183	142	104	78	55	38
-55°	384	336	297	255	210	167	128	98	73	52	36
-57.5°	358	315	274	232	190	150	117	91	68	49	34
-60°	331	289	249	208	168	135	108	84	63	46	32
-62.5°	300	260	220	181	148	121	98	77	58	42	30
-65°	263	225	188	158	130	107	89	69	53	39	28
-67.5°	222	191	161	134	113	95	78	61	47	34	25
-70°	188	160	135	115	98	82	67	53	40	30	22
-72.5°	157	135	114	97	83	69	56	44	34	26	19
-75°	130	112	95	80	68	56	46	36	28	21	17
-77.5°	103	88	75	64	54	45	36	28	23	18	15
-80°	77	67	58	49	41	34	28	23	19	16	13
-82.5°	55	48	42	36	31	26	22	19	16	13	11
-85°	35	31	28	24	21	19	16	13	11	9	7
-87.5°	17	15	14	12	11	9	8	7	6	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	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	5	2	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	3	0	0
40°	7	5	5	5	3	0	0
37.5°	8	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°	10	7	5	5	4	0	0
25°	10	8	5	5	4	0	0
22.5°	10	9	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°	14	10	5	5	5	0	0
5°	14	10	5	5	5	0	0
2.5°	15	11	5	5	5	0	0
0°	16	11	5	5	5	0	0
-2.5°	19	11	6	5	5	0	0
-5°	21	12	6	5	5	0	0
-7.5°	24	12	7	5	5	0	0
-10°	26	13	7	5	5	0	0
-12.5°	28	13	7	5	5	1	0
-15°	29	13	8	5	5	1	0
-17.5°	30	13	8	5	5	1	0
-20°	30	14	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	14	8	5	5	1	0
-25°	30	15	8	5	5	1	0
-27.5°	30	15	8	5	5	1	0
-30°	30	16	8	5	5	1	0
-32.5°	29	17	8	5	5	1	0
-35°	29	17	8	5	4	1	0
-37.5°	29	17	9	5	4	1	0
-40°	29	18	9	5	4	1	0
-42.5°	29	18	9	5	4	1	0
-45°	28	17	9	6	4	1	0
-47.5°	27	17	10	6	4	1	0
-50°	27	17	10	6	4	1	0
-52.5°	26	16	10	6	4	1	0
-55°	25	16	10	6	4	1	0
-57.5°	24	15	9	6	5	1	0
-60°	22	15	9	6	5	1	0
-62.5°	21	14	9	7	4	1	0
-65°	19	13	9	7	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°	11	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)