

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: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627926 (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-SA6D-730-U-MWR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38099 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 53376.2 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 25518.6 lumens  
Beam Efficiency: 67.0%

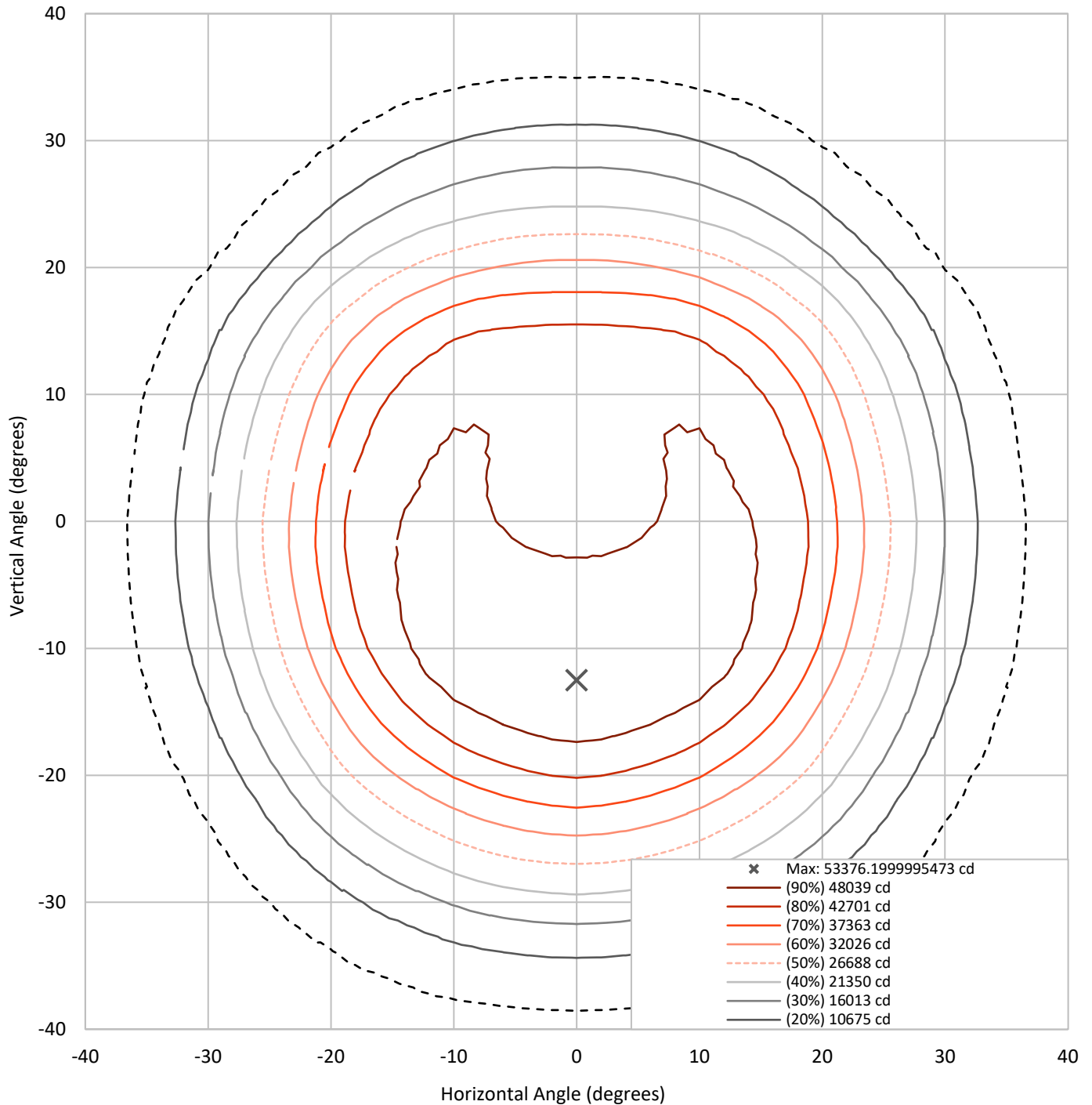
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 34340.4 lumens  
Field Efficiency: 90.1%

Input Watts (W): 325.9  
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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### Iso-Candela Plot





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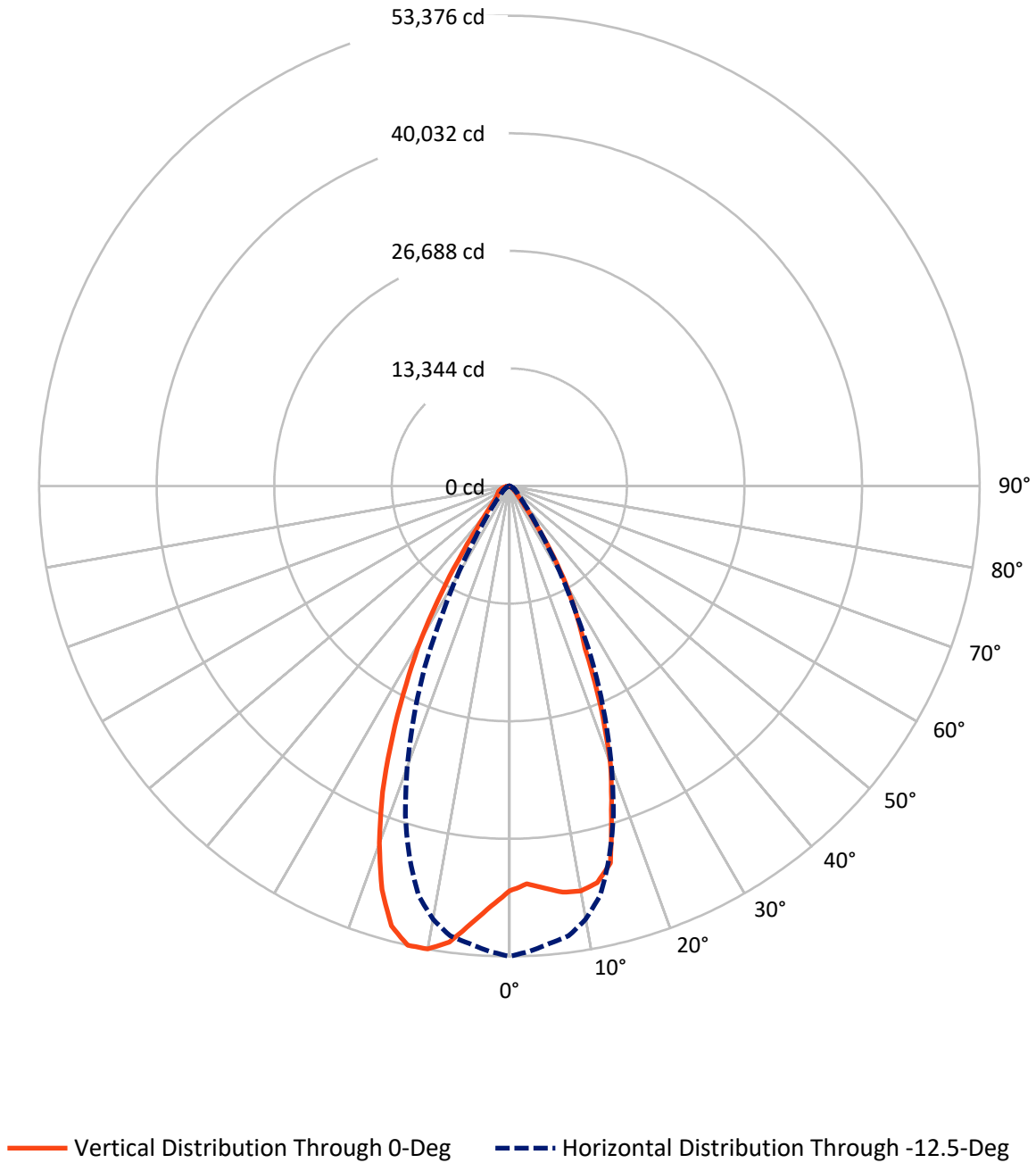
CATALOG NUMBER: GFLD-SA6D-730-U-MWR-VSR-XX

### 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	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.1			
50		0.1	0.3	1.2	3.1	5.2	7.3	8.4	8.4	7.3	5.2	3.1	1.2	0.3	0.1				
40	0.2	0.2	1.5	5.4	10.7	17.5	26.1	32.0	32.0	26.1	17.5	10.7	5.4	1.5	0.2	0.2			
30		0.7	4.2	11.0	22.9	49.5	112.5	171.7	171.7	112.5	49.5	22.9	11.0	4.2	0.7				
20	0.4	1.5	7.1	17.8	47.8	177.1	456.0	637.5	637.5	456.0	177.1	47.8	17.8	7.1	1.5	0.4			
10		2.5	9.9	27.5	113.7	491.8	1026.0	1270.3	1270.3	1026.0	491.8	113.7	27.5	9.9	2.5				
0	0.8	3.3	12.3	35.5	181.2	724.3	1322.9	1434.2	1434.2	1322.9	724.3	181.2	35.5	12.3	3.3	0.8			
-10		3.9	13.5	38.0	189.5	748.0	1370.5	1522.2	1522.2	1370.5	748.0	189.5	38.0	13.5	3.9				
-20	1.1	4.2	13.8	34.5	135.6	556.9	1156.2	1476.3	1476.3	1156.2	556.9	135.6	34.5	13.8	4.2	1.1			
-30		4.0	13.1	28.7	75.8	270.2	644.2	906.6	906.6	644.2	270.2	75.8	28.7	13.1	4.0				
-40	1.0	3.5	11.7	23.8	45.2	96.2	201.3	298.7	298.7	201.3	96.2	45.2	23.8	11.7	3.5	1.0			
-50		3.0	9.8	19.9	33.1	48.8	68.7	81.4	81.4	68.7	48.8	33.1	19.9	9.8	3.0				
-60	0.7	2.2	7.4	15.6	26.0	36.0	44.9	49.1	49.1	44.9	36.0	26.0	15.6	7.4	2.2	0.7			
-70		1.5	4.7	10.7	18.2	25.7	32.6	36.4	36.4	32.6	25.7	18.2	10.7	4.7	1.5				
-80	0.3	4.2	19.2	40.9	52.4	40.9	19.2	4.2	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

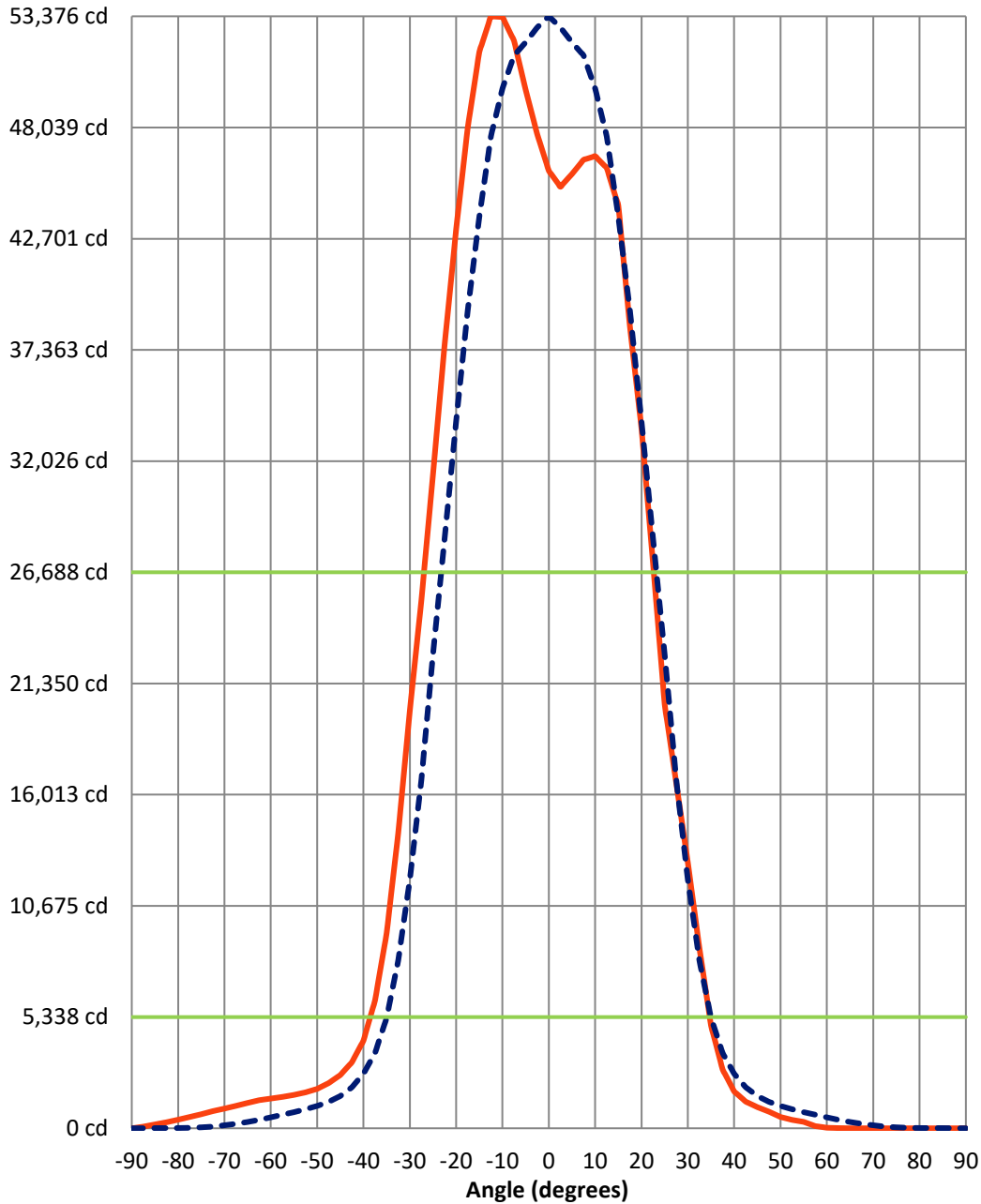
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 25518.6  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 34340.4  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 3758.6  
 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	2	2	1	0	0	0	0
67.5°	0	0	0	1	3	3	1	0	0	1	1
65°	0	0	0	2	4	3	1	0	2	3	3
62.5°	0	0	0	3	5	3	1	2	4	5	6
60°	0	0	0	4	6	4	2	4	6	6	8
57.5°	0	0	1	5	6	4	3	6	7	8	9
55°	0	0	1	6	6	4	5	9	8	9	9
52.5°	0	0	2	7	6	5	6	9	9	9	9
50°	0	0	3	8	6	6	8	9	9	9	10
47.5°	0	0	3	8	7	6	9	10	9	9	12
45°	0	0	4	9	7	7	10	11	9	11	14
42.5°	0	0	4	9	7	8	10	11	10	13	18
40°	0	0	5	9	8	8	11	12	11	16	21
37.5°	0	0	5	9	8	9	12	12	14	20	24
35°	0	0	6	9	8	9	14	13	17	25	33
32.5°	0	0	6	9	9	10	15	13	21	31	52
30°	0	0	6	9	9	11	15	15	24	38	70
27.5°	0	0	7	9	9	12	16	17	29	47	87
25°	0	0	7	9	9	13	16	20	35	59	102
22.5°	0	0	7	9	9	14	17	23	42	72	120
20°	0	0	8	9	9	15	17	26	50	84	138
17.5°	0	0	8	9	9	15	18	29	57	94	157
15°	0	0	8	9	9	16	19	33	65	104	177
12.5°	0	0	8	9	9	16	20	39	72	112	195
10°	0	0	9	9	9	17	21	45	79	126	213
7.5°	0	0	9	9	9	17	22	52	84	141	227
5°	0	0	9	9	9	17	24	58	89	156	238
2.5°	0	0	9	9	9	17	25	64	93	170	247
0°	0	0	9	9	9	18	26	70	96	184	254
-2.5°	0	0	9	9	10	18	31	72	109	192	267
-5°	0	0	9	9	10	19	35	74	120	199	279
-7.5°	0	1	9	9	11	20	39	76	130	205	289
-10°	0	1	9	9	12	21	43	77	139	210	297
-12.5°	0	1	8	9	12	21	46	79	145	215	302
-15°	0	1	8	9	13	22	48	80	147	217	305
-17.5°	0	1	8	9	13	22	49	82	146	217	305
-20°	0	1	8	9	13	22	50	85	144	216	301

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CATALOG NUMBER: GFLD-SA6D-730-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	2	8	9	13	23	50	88	142	214	294
-25°	0	2	8	9	13	24	50	89	139	209	282
-27.5°	0	2	8	9	13	26	50	88	136	203	276
-30°	0	2	8	9	13	27	49	87	134	197	268
-32.5°	0	2	8	9	14	28	47	85	132	192	257
-35°	0	2	7	9	14	28	48	83	128	186	244
-37.5°	0	2	7	9	14	29	48	80	123	179	240
-40°	0	2	7	9	15	29	48	77	115	172	236
-42.5°	0	2	7	9	15	29	48	74	110	163	229
-45°	0	2	7	9	16	29	47	71	105	153	218
-47.5°	0	2	7	10	16	28	45	69	100	141	204
-50°	0	2	7	10	16	28	44	66	95	136	189
-52.5°	0	2	7	10	16	27	43	62	91	128	172
-55°	0	2	7	11	16	26	41	59	86	120	162
-57.5°	0	2	8	11	16	25	39	56	81	112	150
-60°	0	2	8	11	15	24	37	53	75	105	138
-62.5°	0	2	7	11	15	23	34	50	70	95	127
-65°	0	2	7	11	15	21	32	46	64	87	114
-67.5°	0	2	6	11	14	20	29	41	57	77	101
-70°	0	1	6	11	14	19	25	36	50	66	87
-72.5°	0	1	5	10	14	18	23	31	42	56	73
-75°	0	1	4	8	13	17	22	27	35	46	60
-77.5°	0	1	4	7	11	16	20	25	30	37	46
-80°	0	1	3	6	9	13	18	22	26	32	38
-82.5°	0	1	2	4	7	10	13	18	22	26	31
-85°	0	0	2	3	5	7	9	12	15	18	22
-87.5°	0	0	1	1	2	3	5	6	7	9	11
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-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	3	3	2	0	0	0	1	0	0	0
65°	4	6	4	2	0	2	3	2	0	0	0
62.5°	8	7	5	4	5	7	5	3	1	2	3
60°	9	7	6	7	9	8	6	6	7	8	21
57.5°	9	8	8	9	10	9	11	12	31	52	58
55°	9	9	10	12	13	15	23	49	73	90	97
52.5°	10	10	13	16	20	33	60	89	112	130	154
50°	11	14	18	24	39	68	102	134	164	192	225
47.5°	15	18	26	38	71	109	150	190	226	265	313
45°	18	28	38	68	108	157	207	252	289	335	377
42.5°	22	43	64	96	153	211	268	305	346	396	452
40°	36	60	92	141	202	272	322	362	405	475	543
37.5°	54	84	122	186	260	327	375	424	487	567	650
35°	73	107	163	234	316	378	432	493	580	672	770
32.5°	93	129	202	283	361	427	488	578	669	771	905
30°	112	163	242	330	403	472	558	658	749	873	1030
27.5°	133	196	282	368	442	515	627	724	828	970	1158
25°	156	232	319	403	480	572	695	798	905	1085	1339
22.5°	183	266	356	436	516	631	764	892	1032	1211	1524
20°	212	298	389	475	551	689	837	994	1184	1434	1844
17.5°	238	327	421	513	609	750	916	1102	1338	1649	2251
15°	263	353	452	552	664	813	995	1224	1509	1897	2645
12.5°	285	376	482	590	713	870	1065	1313	1651	2208	3149
10°	305	396	511	627	756	921	1125	1389	1766	2431	3525
7.5°	322	418	537	662	794	964	1177	1450	1868	2607	3819
5°	336	444	561	688	822	1000	1220	1498	1953	2735	4045
2.5°	349	468	580	709	842	1028	1253	1543	2036	2841	4236
0°	359	490	595	726	858	1050	1278	1575	2100	2914	4385
-2.5°	371	501	616	740	882	1065	1289	1599	2121	2925	4355
-5°	382	509	633	750	901	1074	1292	1608	2119	2902	4265
-7.5°	390	514	645	759	912	1079	1294	1603	2097	2853	4119
-10°	396	519	650	768	915	1078	1287	1583	2047	2759	3900
-12.5°	405	525	651	773	914	1072	1270	1548	1968	2618	3618
-15°	410	528	650	772	909	1060	1243	1498	1864	2430	3269
-17.5°	413	528	647	766	902	1043	1206	1439	1768	2265	3018
-20°	412	527	643	753	892	1026	1181	1393	1686	2107	2714

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CATALOG NUMBER: GFLD-SA6D-730-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°	408	523	638	742	875	1007	1152	1338	1584	1928	2419
-25°	400	516	630	736	855	985	1115	1277	1492	1797	2205
-27.5°	386	506	617	724	834	960	1082	1229	1417	1652	1979
-30°	367	491	600	708	816	934	1051	1175	1340	1544	1807
-32.5°	348	475	581	687	795	906	1017	1133	1274	1444	1649
-35°	335	454	562	662	768	876	983	1090	1206	1357	1533
-37.5°	327	432	542	636	737	842	945	1047	1155	1273	1433
-40°	316	410	519	614	705	807	906	1003	1102	1221	1343
-42.5°	302	394	494	591	677	771	865	959	1058	1167	1282
-45°	290	376	470	560	648	735	826	914	1011	1114	1221
-47.5°	273	354	445	525	611	698	786	873	959	1055	1158
-50°	254	330	413	490	566	653	741	829	913	994	1084
-52.5°	234	302	380	456	526	599	689	778	861	943	1022
-55°	211	275	346	420	490	554	632	722	805	884	966
-57.5°	194	247	312	382	451	518	589	666	747	824	903
-60°	178	222	277	342	411	477	546	617	691	765	836
-62.5°	161	200	245	299	362	429	493	560	630	694	757
-65°	146	177	214	260	310	370	432	497	560	616	670
-67.5°	129	156	186	220	265	315	365	423	481	536	588
-70°	111	135	161	190	222	263	310	356	403	452	502
-72.5°	92	114	136	159	189	223	259	296	337	380	422
-75°	75	92	112	132	156	184	214	246	279	312	347
-77.5°	60	74	89	105	123	145	169	195	221	248	274
-80°	46	56	68	81	96	111	128	145	165	186	209
-82.5°	37	43	51	60	69	79	90	103	118	133	150
-85°	26	31	35	40	46	52	58	65	75	85	95
-87.5°	13	15	18	20	23	25	28	31	35	40	45
-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°	3	3	3	3	2	2	4	6	6	6	7
60°	23	17	22	29	28	21	31	35	33	26	27
57.5°	61	66	76	89	98	104	112	121	127	131	135
55°	112	135	158	170	188	217	242	244	249	255	269
52.5°	180	206	218	239	276	300	311	332	353	375	393
50°	261	284	310	343	379	402	410	446	489	525	546
47.5°	344	373	421	480	511	537	573	619	668	719	759
45°	420	473	534	586	627	672	721	778	854	926	980
42.5°	506	566	628	689	734	809	895	962	1071	1167	1227
40°	608	667	755	830	922	1017	1165	1302	1440	1599	1715
37.5°	729	821	945	1066	1203	1343	1608	1878	2098	2408	2581
35°	875	1018	1194	1374	1592	1931	2317	2839	3381	3833	4268
32.5°	1044	1226	1469	1791	2158	2702	3281	4242	5179	6115	7033
30°	1209	1474	1846	2288	2892	3752	4844	6329	7939	9348	10623
27.5°	1430	1806	2289	2949	3977	5238	7254	9317	11366	13195	14509
25°	1698	2201	2884	3978	5462	7552	10254	12783	15188	16982	18493
22.5°	2085	2838	3808	5201	7894	10801	14034	17216	19918	22178	23667
20°	2562	3581	5204	7728	10896	14531	18693	22040	25367	27910	30182
17.5°	3238	4862	7152	10359	14143	18992	23278	27010	31234	33833	36151
15°	3847	5933	9199	13289	17724	22864	27917	32488	36566	39423	42013
12.5°	4616	7072	10826	15638	20488	26210	31463	36358	40352	43291	45104
10°	5305	8239	12452	17484	22914	28891	34336	39431	43299	45571	46904
7.5°	5861	9210	13769	19064	24796	30813	36565	41621	45323	47224	48134
5°	6293	9929	14800	20359	26313	32469	38339	43289	46406	47978	48487
2.5°	6616	10430	15494	21212	27337	33693	39686	44564	47224	48358	48526
0°	6835	10782	15945	21748	28215	34131	40415	45368	47898	48808	48895
-2.5°	6783	10655	15926	21554	28114	34329	40531	45420	48126	49349	49548
-5°	6645	10355	15397	21002	27315	33538	39454	44616	47937	49785	50602
-7.5°	6379	9837	14494	19948	26019	32249	38281	43637	47459	50058	51658
-10°	5925	9080	13339	18615	24598	30533	36498	42056	46172	49301	51530
-12.5°	5306	8053	11930	16726	22741	28283	33930	39255	43748	47605	49910
-15°	4667	6984	10466	14854	20091	25549	30766	35991	40426	44033	46907
-17.5°	4212	6047	8771	12611	17209	22387	27477	32277	36279	39670	42684
-20°	3636	4999	7156	10385	14433	18959	23834	28107	31681	34860	37740

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REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-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°	3177	4281	5839	8042	11678	15670	19658	23592	26952	29783	32241
-25°	2761	3535	4753	6545	8909	12357	15717	19039	22141	24773	26986
-27.5°	2434	3050	3862	5137	6932	8943	11888	14664	17331	19738	21825
-30°	2136	2598	3233	4031	5251	6746	8517	10593	12719	14619	16516
-32.5°	1923	2252	2688	3280	3963	5033	6104	7501	8847	10233	11593
-35°	1731	1996	2292	2688	3157	3782	4487	5340	6060	6967	7803
-37.5°	1600	1786	2012	2262	2598	2946	3424	3942	4388	4893	5319
-40°	1490	1637	1790	1959	2189	2425	2733	3024	3307	3615	3845
-42.5°	1399	1516	1627	1757	1894	2083	2289	2471	2643	2824	2974
-45°	1327	1415	1504	1605	1709	1845	1992	2127	2240	2340	2422
-47.5°	1250	1328	1407	1485	1574	1673	1769	1856	1949	2028	2084
-50°	1174	1252	1323	1391	1467	1545	1621	1690	1757	1815	1851
-52.5°	1100	1180	1250	1312	1377	1441	1504	1567	1624	1676	1700
-55°	1044	1118	1189	1245	1299	1353	1409	1468	1522	1572	1588
-57.5°	982	1057	1125	1177	1227	1276	1328	1382	1434	1481	1496
-60°	911	990	1050	1098	1149	1203	1252	1301	1349	1389	1406
-62.5°	826	897	952	1000	1046	1090	1143	1195	1245	1286	1311
-65°	726	786	840	888	933	975	1025	1073	1118	1154	1180
-67.5°	637	685	729	772	816	859	905	950	993	1024	1045
-70°	550	595	636	676	715	752	790	828	865	892	913
-72.5°	464	503	539	575	610	644	676	708	739	763	783
-75°	384	417	448	478	507	534	559	584	609	629	647
-77.5°	302	330	356	381	407	428	448	467	485	502	519
-80°	231	251	270	289	309	325	340	355	369	382	395
-82.5°	166	179	192	204	217	229	239	250	260	270	279
-85°	106	113	120	127	134	141	147	154	160	166	172
-87.5°	50	54	57	60	63	67	70	73	76	79	82
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-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°	8	8	9	9	9	8	8	7	6	6	6
60°	27	26	26	26	26	26	27	27	26	33	35
57.5°	132	123	114	105	114	123	132	135	131	127	121
55°	286	302	309	306	309	302	286	269	255	249	244
52.5°	406	414	412	403	412	414	406	393	375	353	332
50°	555	556	551	543	551	556	555	546	525	489	446
47.5°	780	792	797	796	797	792	780	759	719	668	619
45°	1001	1012	1017	1015	1017	1012	1001	980	926	854	778
42.5°	1259	1278	1284	1278	1284	1278	1259	1227	1167	1071	962
40°	1783	1806	1795	1768	1795	1806	1783	1715	1599	1440	1302
37.5°	2702	2789	2826	2827	2826	2789	2702	2581	2408	2098	1878
35°	4660	4972	5115	4936	5115	4972	4660	4268	3833	3381	2839
32.5°	7782	8335	8647	8647	8647	8335	7782	7033	6115	5179	4242
30°	11587	12280	12668	12751	12668	12280	11587	10623	9348	7939	6329
27.5°	15534	16249	16621	16567	16621	16249	15534	14509	13195	11366	9317
25°	19494	20035	20348	20356	20348	20035	19494	18493	16982	15188	12783
22.5°	25343	26483	26952	27078	26952	26483	25343	23667	22178	19918	17216
20°	31719	32825	33537	33580	33537	32825	31719	30182	27910	25367	22040
17.5°	37794	38343	38444	38490	38444	38343	37794	36151	33833	31234	27010
15°	43521	43713	44220	44283	44220	43713	43521	42013	39423	36566	32488
12.5°	46241	46417	46330	46095	46330	46417	46241	45104	43291	40352	36358
10°	47724	47475	47107	46664	47107	47475	47724	46904	45571	43299	39431
7.5°	48059	47784	47134	46489	47134	47784	48059	48134	47224	45323	41621
5°	48219	47411	46589	45806	46589	47411	48219	48487	47978	46406	43289
2.5°	48125	47163	46036	45193	46036	47163	48125	48526	48358	47224	44564
0°	48431	47460	46279	45964	46279	47460	48431	48895	48808	47898	45368
-2.5°	49286	48499	47882	47714	47882	48499	49286	49548	49349	48126	45420
-5°	50824	50651	49603	49849	49603	50651	50824	50602	49785	47937	44616
-7.5°	52310	52064	51621	52195	51621	52064	52310	51658	50058	47459	43637
-10°	52706	52625	52832	53341	52832	52625	52706	51530	49301	46172	42056
-12.5°	51494	52129	52840	53376	52840	52129	51494	49910	47605	43748	39255
-15°	48795	50092	51156	51661	51156	50092	48795	46907	44033	40426	35991
-17.5°	44818	46409	47670	48029	47670	46409	44818	42684	39670	36279	32277
-20°	39922	41541	42688	43145	42688	41541	39922	37740	34860	31681	28107

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REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-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°	34412	35992	37032	37579	37032	35992	34412	32241	29783	26952	23592
-25°	28820	30209	31132	31375	31132	30209	28820	26986	24773	22141	19039
-27.5°	23473	24590	25270	25345	25270	24590	23473	21825	19738	17331	14664
-30°	18093	19131	19720	20032	19720	19131	18093	16516	14619	12719	10593
-32.5°	12707	13530	14029	14160	14029	13530	12707	11593	10233	8847	7501
-35°	8472	8984	9300	9364	9300	8984	8472	7803	6967	6060	5340
-37.5°	5665	5915	6068	6144	6068	5915	5665	5319	4893	4388	3942
-40°	4013	4130	4196	4210	4196	4130	4013	3845	3615	3307	3024
-42.5°	3069	3129	3160	3168	3160	3129	3069	2974	2824	2643	2471
-45°	2480	2522	2547	2556	2547	2522	2480	2422	2340	2240	2127
-47.5°	2122	2149	2165	2170	2165	2149	2122	2084	2028	1949	1856
-50°	1872	1887	1893	1890	1893	1887	1872	1851	1815	1757	1690
-52.5°	1714	1725	1728	1724	1728	1725	1714	1700	1676	1624	1567
-55°	1598	1605	1605	1602	1605	1605	1598	1588	1572	1522	1468
-57.5°	1508	1517	1515	1505	1515	1517	1508	1496	1481	1434	1382
-60°	1419	1430	1431	1427	1431	1430	1419	1406	1389	1349	1301
-62.5°	1331	1349	1351	1348	1351	1349	1331	1311	1286	1245	1195
-65°	1204	1225	1225	1217	1225	1225	1204	1180	1154	1118	1073
-67.5°	1063	1079	1080	1077	1080	1079	1063	1045	1024	993	950
-70°	932	948	949	945	949	948	932	913	892	865	828
-72.5°	802	818	822	823	822	818	802	783	763	739	708
-75°	664	679	678	674	678	679	664	647	629	609	584
-77.5°	534	548	546	543	546	548	534	519	502	485	467
-80°	407	418	415	411	415	418	407	395	382	369	355
-82.5°	288	296	293	289	293	296	288	279	270	260	250
-85°	178	183	184	184	184	183	178	172	166	160	154
-87.5°	85	87	83	79	83	87	85	82	79	76	73
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-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	3	3	3	2	1	3
60°	31	21	28	29	22	17	23	21	8	7	6
57.5°	112	104	98	89	76	66	61	58	52	31	12
55°	242	217	188	170	158	135	112	97	90	73	49
52.5°	311	300	276	239	218	206	180	154	130	112	89
50°	410	402	379	343	310	284	261	225	192	164	134
47.5°	573	537	511	480	421	373	344	313	265	226	190
45°	721	672	627	586	534	473	420	377	335	289	252
42.5°	895	809	734	689	628	566	506	452	396	346	305
40°	1165	1017	922	830	755	667	608	543	475	405	362
37.5°	1608	1343	1203	1066	945	821	729	650	567	487	424
35°	2317	1931	1592	1374	1194	1018	875	770	672	580	493
32.5°	3281	2702	2158	1791	1469	1226	1044	905	771	669	578
30°	4844	3752	2892	2288	1846	1474	1209	1030	873	749	658
27.5°	7254	5238	3977	2949	2289	1806	1430	1158	970	828	724
25°	10254	7552	5462	3978	2884	2201	1698	1339	1085	905	798
22.5°	14034	10801	7894	5201	3808	2838	2085	1524	1211	1032	892
20°	18693	14531	10896	7728	5204	3581	2562	1844	1434	1184	994
17.5°	23278	18992	14143	10359	7152	4862	3238	2251	1649	1338	1102
15°	27917	22864	17724	13289	9199	5933	3847	2645	1897	1509	1224
12.5°	31463	26210	20488	15638	10826	7072	4616	3149	2208	1651	1313
10°	34336	28891	22914	17484	12452	8239	5305	3525	2431	1766	1389
7.5°	36565	30813	24796	19064	13769	9210	5861	3819	2607	1868	1450
5°	38339	32469	26313	20359	14800	9929	6293	4045	2735	1953	1498
2.5°	39686	33693	27337	21212	15494	10430	6616	4236	2841	2036	1543
0°	40415	34131	28215	21748	15945	10782	6835	4385	2914	2100	1575
-2.5°	40531	34329	28114	21554	15926	10655	6783	4355	2925	2121	1599
-5°	39454	33538	27315	21002	15397	10355	6645	4265	2902	2119	1608
-7.5°	38281	32249	26019	19948	14494	9837	6379	4119	2853	2097	1603
-10°	36498	30533	24598	18615	13339	9080	5925	3900	2759	2047	1583
-12.5°	33930	28283	22741	16726	11930	8053	5306	3618	2618	1968	1548
-15°	30766	25549	20091	14854	10466	6984	4667	3269	2430	1864	1498
-17.5°	27477	22387	17209	12611	8771	6047	4212	3018	2265	1768	1439
-20°	23834	18959	14433	10385	7156	4999	3636	2714	2107	1686	1393

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REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-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°	19658	15670	11678	8042	5839	4281	3177	2419	1928	1584	1338
-25°	15717	12357	8909	6545	4753	3535	2761	2205	1797	1492	1277
-27.5°	11888	8943	6932	5137	3862	3050	2434	1979	1652	1417	1229
-30°	8517	6746	5251	4031	3233	2598	2136	1807	1544	1340	1175
-32.5°	6104	5033	3963	3280	2688	2252	1923	1649	1444	1274	1133
-35°	4487	3782	3157	2688	2292	1996	1731	1533	1357	1206	1090
-37.5°	3424	2946	2598	2262	2012	1786	1600	1433	1273	1155	1047
-40°	2733	2425	2189	1959	1790	1637	1490	1343	1221	1102	1003
-42.5°	2289	2083	1894	1757	1627	1516	1399	1282	1167	1058	959
-45°	1992	1845	1709	1605	1504	1415	1327	1221	1114	1011	914
-47.5°	1769	1673	1574	1485	1407	1328	1250	1158	1055	959	873
-50°	1621	1545	1467	1391	1323	1252	1174	1084	994	913	829
-52.5°	1504	1441	1377	1312	1250	1180	1100	1022	943	861	778
-55°	1409	1353	1299	1245	1189	1118	1044	966	884	805	722
-57.5°	1328	1276	1227	1177	1125	1057	982	903	824	747	666
-60°	1252	1203	1149	1098	1050	990	911	836	765	691	617
-62.5°	1143	1090	1046	1000	952	897	826	757	694	630	560
-65°	1025	975	933	888	840	786	726	670	616	560	497
-67.5°	905	859	816	772	729	685	637	588	536	481	423
-70°	790	752	715	676	636	595	550	502	452	403	356
-72.5°	676	644	610	575	539	503	464	422	380	337	296
-75°	559	534	507	478	448	417	384	347	312	279	246
-77.5°	448	428	407	381	356	330	302	274	248	221	195
-80°	340	325	309	289	270	251	231	209	186	165	145
-82.5°	239	229	217	204	192	179	166	150	133	118	103
-85°	147	141	134	127	120	113	106	95	85	75	65
-87.5°	70	67	63	60	57	54	50	45	40	35	31
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627926 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6D-730-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	3	1	1	1	0	0
65°	3	2	0	2	4	6	4	3	3	2	0
62.5°	5	7	5	4	5	7	8	6	5	4	2
60°	6	8	9	7	6	7	9	8	6	6	4
57.5°	11	9	10	9	8	8	9	9	8	7	6
55°	23	15	13	12	10	9	9	9	9	8	9
52.5°	60	33	20	16	13	10	10	9	9	9	9
50°	102	68	39	24	18	14	11	10	9	9	9
47.5°	150	109	71	38	26	18	15	12	9	9	10
45°	207	157	108	68	38	28	18	14	11	9	11
42.5°	268	211	153	96	64	43	22	18	13	10	11
40°	322	272	202	141	92	60	36	21	16	11	12
37.5°	375	327	260	186	122	84	54	24	20	14	12
35°	432	378	316	234	163	107	73	33	25	17	13
32.5°	488	427	361	283	202	129	93	52	31	21	13
30°	558	472	403	330	242	163	112	70	38	24	15
27.5°	627	515	442	368	282	196	133	87	47	29	17
25°	695	572	480	403	319	232	156	102	59	35	20
22.5°	764	631	516	436	356	266	183	120	72	42	23
20°	837	689	551	475	389	298	212	138	84	50	26
17.5°	916	750	609	513	421	327	238	157	94	57	29
15°	995	813	664	552	452	353	263	177	104	65	33
12.5°	1065	870	713	590	482	376	285	195	112	72	39
10°	1125	921	756	627	511	396	305	213	126	79	45
7.5°	1177	964	794	662	537	418	322	227	141	84	52
5°	1220	1000	822	688	561	444	336	238	156	89	58
2.5°	1253	1028	842	709	580	468	349	247	170	93	64
0°	1278	1050	858	726	595	490	359	254	184	96	70
-2.5°	1289	1065	882	740	616	501	371	267	192	109	72
-5°	1292	1074	901	750	633	509	382	279	199	120	74
-7.5°	1294	1079	912	759	645	514	390	289	205	130	76
-10°	1287	1078	915	768	650	519	396	297	210	139	77
-12.5°	1270	1072	914	773	651	525	405	302	215	145	79
-15°	1243	1060	909	772	650	528	410	305	217	147	80
-17.5°	1206	1043	902	766	647	528	413	305	217	146	82
-20°	1181	1026	892	753	643	527	412	301	216	144	85

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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°	1152	1007	875	742	638	523	408	294	214	142	88
-25°	1115	985	855	736	630	516	400	282	209	139	89
-27.5°	1082	960	834	724	617	506	386	276	203	136	88
-30°	1051	934	816	708	600	491	367	268	197	134	87
-32.5°	1017	906	795	687	581	475	348	257	192	132	85
-35°	983	876	768	662	562	454	335	244	186	128	83
-37.5°	945	842	737	636	542	432	327	240	179	123	80
-40°	906	807	705	614	519	410	316	236	172	115	77
-42.5°	865	771	677	591	494	394	302	229	163	110	74
-45°	826	735	648	560	470	376	290	218	153	105	71
-47.5°	786	698	611	525	445	354	273	204	141	100	69
-50°	741	653	566	490	413	330	254	189	136	95	66
-52.5°	689	599	526	456	380	302	234	172	128	91	62
-55°	632	554	490	420	346	275	211	162	120	86	59
-57.5°	589	518	451	382	312	247	194	150	112	81	56
-60°	546	477	411	342	277	222	178	138	105	75	53
-62.5°	493	429	362	299	245	200	161	127	95	70	50
-65°	432	370	310	260	214	177	146	114	87	64	46
-67.5°	365	315	265	220	186	156	129	101	77	57	41
-70°	310	263	222	190	161	135	111	87	66	50	36
-72.5°	259	223	189	159	136	114	92	73	56	42	31
-75°	214	184	156	132	112	92	75	60	46	35	27
-77.5°	169	145	123	105	89	74	60	46	37	30	25
-80°	128	111	96	81	68	56	46	38	32	26	22
-82.5°	90	79	69	60	51	43	37	31	26	22	18
-85°	58	52	46	40	35	31	26	22	18	15	12
-87.5°	28	25	23	20	18	15	13	11	9	7	6
-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	2	2	0	0	0	0
67.5°	1	3	3	1	0	0	0
65°	1	3	4	2	0	0	0
62.5°	1	3	5	3	0	0	0
60°	2	4	6	4	0	0	0
57.5°	3	4	6	5	1	0	0
55°	5	4	6	6	1	0	0
52.5°	6	5	6	7	2	0	0
50°	8	6	6	8	3	0	0
47.5°	9	6	7	8	3	0	0
45°	10	7	7	9	4	0	0
42.5°	10	8	7	9	4	0	0
40°	11	8	8	9	5	0	0
37.5°	12	9	8	9	5	0	0
35°	14	9	8	9	6	0	0
32.5°	15	10	9	9	6	0	0
30°	15	11	9	9	6	0	0
27.5°	16	12	9	9	7	0	0
25°	16	13	9	9	7	0	0
22.5°	17	14	9	9	7	0	0
20°	17	15	9	9	8	0	0
17.5°	18	15	9	9	8	0	0
15°	19	16	9	9	8	0	0
12.5°	20	16	9	9	8	0	0
10°	21	17	9	9	9	0	0
7.5°	22	17	9	9	9	0	0
5°	24	17	9	9	9	0	0
2.5°	25	17	9	9	9	0	0
0°	26	18	9	9	9	0	0
-2.5°	31	18	10	9	9	0	0
-5°	35	19	10	9	9	0	0
-7.5°	39	20	11	9	9	1	0
-10°	43	21	12	9	9	1	0
-12.5°	46	21	12	9	8	1	0
-15°	48	22	13	9	8	1	0
-17.5°	49	22	13	9	8	1	0
-20°	50	22	13	9	8	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50	23	13	9	8	2	0
-25°	50	24	13	9	8	2	0
-27.5°	50	26	13	9	8	2	0
-30°	49	27	13	9	8	2	0
-32.5°	47	28	14	9	8	2	0
-35°	48	28	14	9	7	2	0
-37.5°	48	29	14	9	7	2	0
-40°	48	29	15	9	7	2	0
-42.5°	48	29	15	9	7	2	0
-45°	47	29	16	9	7	2	0
-47.5°	45	28	16	10	7	2	0
-50°	44	28	16	10	7	2	0
-52.5°	43	27	16	10	7	2	0
-55°	41	26	16	11	7	2	0
-57.5°	39	25	16	11	8	2	0
-60°	37	24	15	11	8	2	0
-62.5°	34	23	15	11	7	2	0
-65°	32	21	15	11	7	2	0
-67.5°	29	20	14	11	6	2	0
-70°	25	19	14	11	6	1	0
-72.5°	23	18	14	10	5	1	0
-75°	22	17	13	8	4	1	0
-77.5°	20	16	11	7	4	1	0
-80°	18	13	9	6	3	1	0
-82.5°	13	10	7	4	2	1	0
-85°	9	7	5	3	2	0	0
-87.5°	5	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)