

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: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-730-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA6E-730-U-MR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43671.4 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 153977.3 candela  
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V  
Beam Lumens: 21836.1 lumens  
Beam Efficiency: 50.0%

Field Angle (10%): 50.2°H x 50.4°V  
Field Lumens: 37521.8 lumens  
Field Efficiency: 85.9%

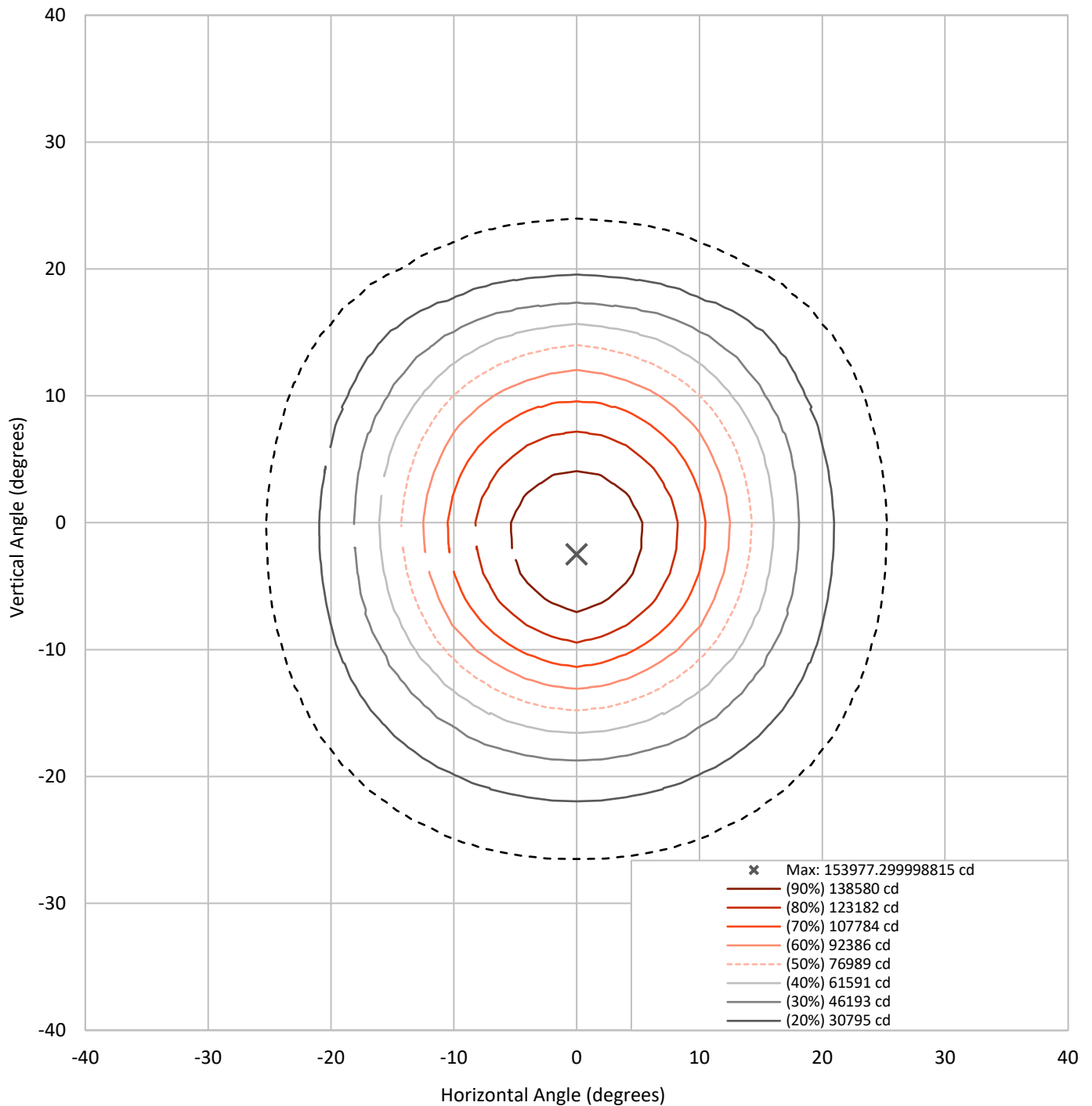
Input Watts (W): 376.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)

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### Iso-Candela Plot





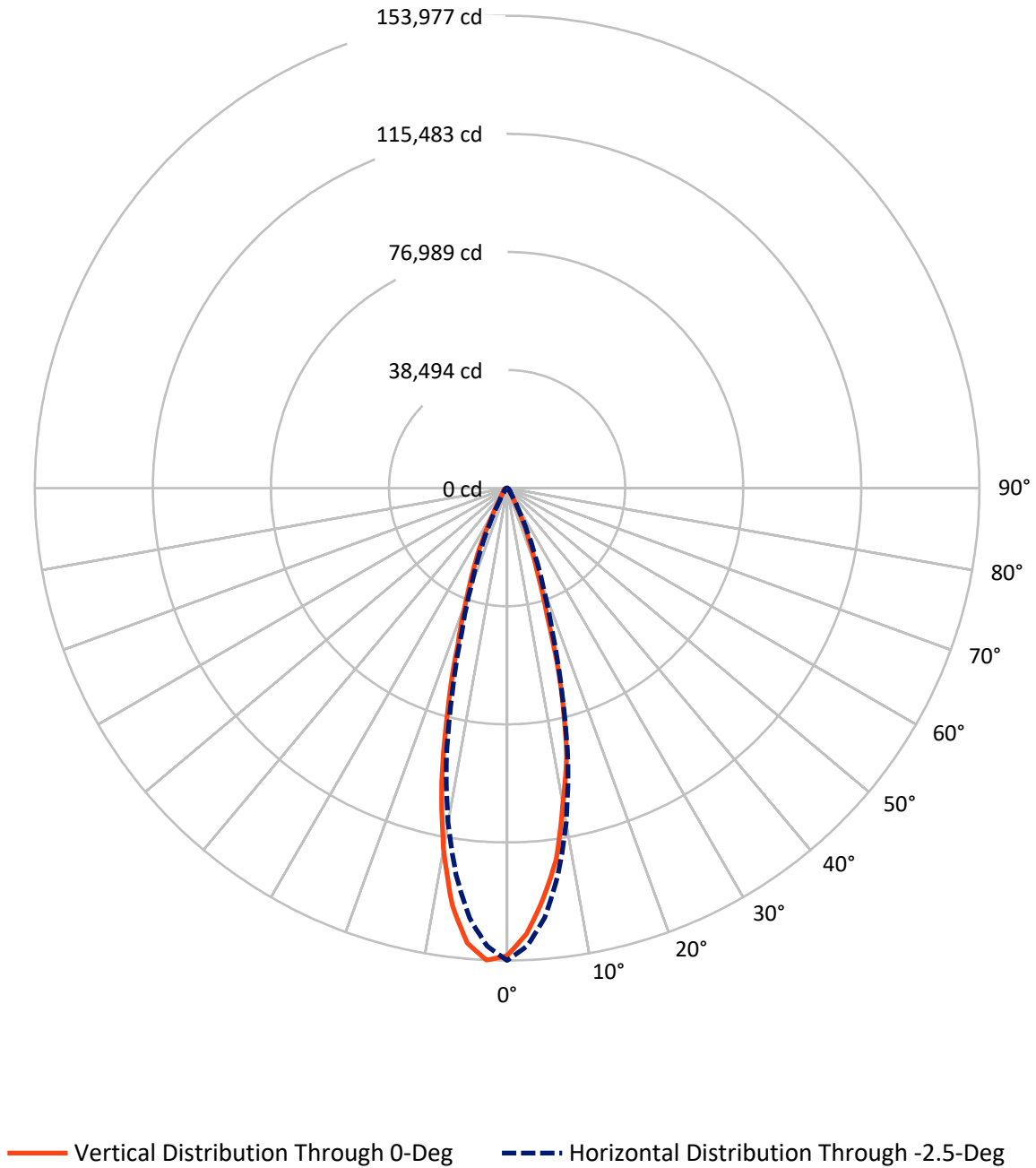
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### Lumen Table

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	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0			
50		0.1	0.2	1.2	3.0	5.0	6.9	8.3	8.3	6.9	5.0	3.0	1.2	0.2	0.1				
40	0.1	0.2	1.5	4.8	9.2	14.1	19.8	23.3	23.3	19.8	14.1	9.2	4.8	1.5	0.2	0.1			
30		0.6	3.7	9.3	17.2	28.2	47.1	62.8	62.8	47.1	28.2	17.2	9.3	3.7	0.6				
20	0.3	1.4	5.9	14.3	27.1	66.0	207.3	380.1	380.1	207.3	66.0	27.1	14.3	5.9	1.4	0.3			
10		2.2	8.1	19.4	46.5	227.5	924.8	1810.9	1810.9	924.8	227.5	46.5	19.4	8.1	2.2				
0	0.6	2.8	9.9	23.1	66.7	433.5	1867.4	3660.3	3660.3	1867.4	433.5	66.7	23.1	9.9	2.8	0.6			
-10		3.2	10.7	24.4	71.2	454.2	1916.1	3881.2	3881.2	1916.1	454.2	71.2	24.4	10.7	3.2				
-20	0.8	3.4	10.9	23.8	58.6	278.9	1059.6	2053.9	2053.9	1059.6	278.9	58.6	23.8	10.9	3.4	0.8			
-30		3.3	10.4	21.7	42.9	108.3	328.1	585.5	585.5	328.1	108.3	42.9	21.7	10.4	3.3				
-40	0.8	2.9	9.3	18.8	32.6	53.4	87.2	116.7	116.7	87.2	53.4	32.6	18.8	9.3	2.9	0.8			
-50		2.4	7.7	15.6	25.7	36.8	48.5	54.4	54.4	48.5	36.8	25.7	15.6	7.7	2.4				
-60	0.5	1.8	5.8	12.2	20.1	28.0	35.0	38.1	38.1	35.0	28.0	20.1	12.2	5.8	1.8	0.5			
-70		1.1	3.6	8.0	13.4	19.1	23.9	26.4	26.4	23.9	19.1	13.4	8.0	3.6	1.1				
-80	0.2	2.8	12.9	27.9	35.2	27.9	12.9	2.8	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

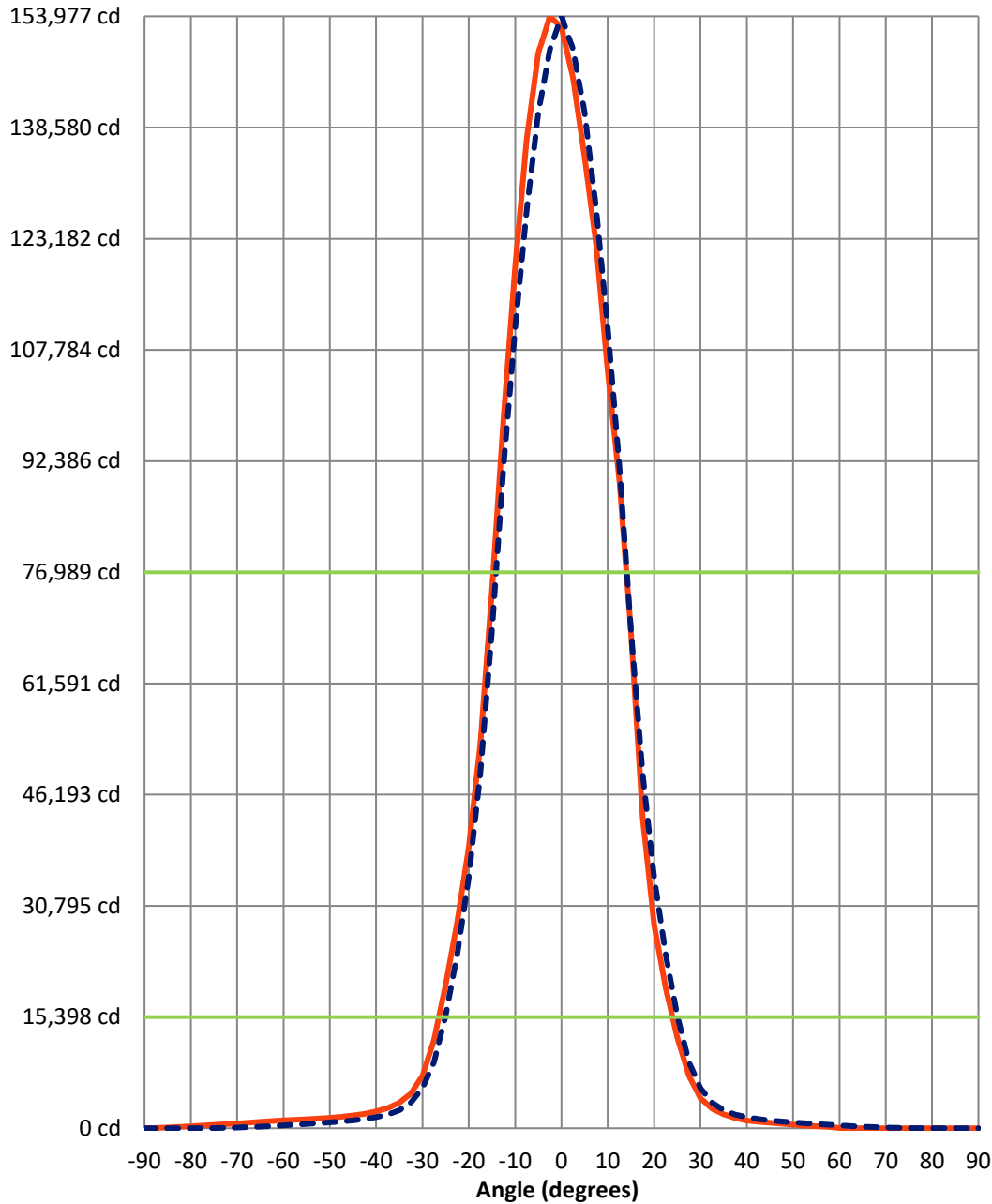
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.2°  
 V Angle: 28.7°  
 Lumens: 21836.1  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 37521.8  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 6149.5  
 Efficiency: 14.1%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -2.5-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	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°	0	0	0	0	0	0	0	0	0	0	1
60°	0	0	0	0	0	0	0	0	0	2	3
57.5°	0	0	0	0	0	0	0	0	2	4	3
55°	0	0	0	0	0	0	1	0	4	6	4
52.5°	0	0	0	0	0	0	2	3	7	7	5
50°	0	0	0	0	0	1	3	5	9	7	7
47.5°	0	0	0	0	0	2	4	7	10	8	8
45°	0	0	0	0	0	3	5	9	10	9	10
42.5°	0	0	0	0	0	4	7	10	10	9	15
40°	0	0	0	0	0	5	8	10	10	10	23
37.5°	0	0	0	0	1	7	9	10	12	14	32
35°	0	0	0	0	2	8	9	10	14	23	42
32.5°	0	0	0	0	3	8	10	10	18	32	53
30°	0	0	0	0	4	9	10	10	22	41	65
27.5°	0	0	0	0	5	9	10	13	27	49	77
25°	0	0	0	0	6	10	10	17	34	59	91
22.5°	0	0	0	0	7	10	10	20	41	69	108
20°	0	0	0	0	7	10	10	24	47	80	125
17.5°	0	0	0	0	8	10	10	28	53	91	140
15°	0	0	0	0	8	10	11	33	59	102	153
12.5°	0	0	0	0	9	10	12	38	64	112	166
10°	0	0	0	0	9	10	14	42	70	123	177
7.5°	0	0	0	0	9	10	15	47	75	132	188
5°	0	0	0	0	10	10	17	51	79	141	197
2.5°	0	0	0	0	10	10	18	55	84	148	206
0°	0	0	0	0	10	10	19	58	87	155	213
-2.5°	0	0	0	1	10	11	23	59	96	161	219
-5°	0	0	0	1	10	12	27	60	104	165	224
-7.5°	0	0	0	2	9	13	30	61	110	169	228
-10°	0	0	0	2	9	14	33	61	115	172	231
-12.5°	0	0	0	3	9	14	35	62	118	174	236
-15°	0	0	0	3	9	15	37	62	119	177	241
-17.5°	0	0	0	4	9	15	38	64	118	177	243
-20°	0	0	0	4	9	16	39	67	116	177	242

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CATALOG NUMBER: GFLD-SA6E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	4	9	15	40	70	113	175	239
-25°	0	0	0	4	9	17	40	72	110	171	233
-27.5°	0	0	0	4	9	18	40	72	107	166	228
-30°	0	0	0	4	10	19	40	73	106	161	221
-32.5°	0	0	0	4	11	19	39	72	106	155	212
-35°	0	0	0	4	12	20	39	70	105	149	201
-37.5°	0	0	0	3	12	20	40	69	102	142	196
-40°	0	0	0	3	13	21	39	66	99	138	191
-42.5°	0	0	0	2	13	21	38	64	95	133	183
-45°	0	0	0	2	12	21	36	61	92	128	175
-47.5°	0	0	0	1	11	21	34	59	88	120	166
-50°	0	0	0	1	11	20	33	55	83	114	154
-52.5°	0	0	0	2	10	20	32	51	77	107	141
-55°	0	0	0	2	9	19	30	46	71	98	131
-57.5°	0	0	0	2	8	17	28	43	64	90	119
-60°	0	0	0	2	7	16	25	39	57	81	107
-62.5°	0	0	0	2	7	15	23	35	52	71	96
-65°	0	0	0	2	7	13	22	31	46	63	83
-67.5°	0	0	0	2	6	12	20	28	40	56	73
-70°	0	0	0	2	6	11	18	25	35	48	63
-72.5°	0	0	0	2	5	10	16	22	30	40	53
-75°	0	0	0	2	5	9	14	19	24	32	43
-77.5°	0	0	0	1	4	8	12	15	20	25	31
-80°	0	0	0	1	3	6	10	12	15	18	23
-82.5°	0	0	0	1	2	5	7	9	10	12	15
-85°	0	0	0	1	2	3	5	6	7	7	8
-87.5°	0	0	0	0	1	2	3	3	3	4	4
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-730-U-MR-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	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°	0	0	0	0	0	0	2	2	1	2	3
60°	1	0	1	2	2	4	6	8	9	9	20
57.5°	1	2	5	5	7	11	16	18	31	44	54
55°	3	6	8	8	14	23	31	48	65	85	102
52.5°	6	10	9	15	28	42	62	85	110	129	146
50°	9	11	13	31	48	70	100	132	154	173	200
47.5°	13	15	29	50	74	108	147	174	196	231	270
45°	18	28	47	74	107	152	187	212	250	291	333
42.5°	25	43	69	97	149	193	226	263	303	349	394
40°	38	58	93	136	189	231	273	314	357	410	458
37.5°	50	80	119	173	227	274	322	369	421	477	532
35°	61	103	151	207	263	320	372	426	490	552	615
32.5°	78	126	179	240	300	362	420	490	557	625	702
30°	99	150	206	271	334	401	475	552	619	695	778
27.5°	121	172	234	301	366	439	528	606	678	760	851
25°	141	196	261	328	400	483	579	658	734	825	932
22.5°	161	219	290	353	432	528	625	715	802	891	1016
20°	180	244	318	386	464	570	673	773	873	987	1127
17.5°	199	268	345	421	507	613	721	831	944	1083	1257
15°	216	290	371	454	547	654	768	890	1021	1183	1382
12.5°	232	309	397	484	582	692	810	937	1088	1283	1530
10°	247	327	421	512	612	726	847	978	1142	1351	1641
7.5°	260	344	444	537	638	756	878	1014	1186	1408	1729
5°	272	361	461	555	659	779	903	1044	1221	1454	1800
2.5°	282	375	474	570	675	794	919	1063	1245	1496	1855
0°	291	388	485	582	688	805	931	1076	1260	1532	1890
-2.5°	300	401	496	594	701	815	942	1088	1277	1542	1899
-5°	307	411	504	603	711	821	947	1092	1285	1544	1904
-7.5°	312	418	511	609	718	827	952	1098	1290	1541	1902
-10°	316	422	516	615	724	832	952	1096	1283	1525	1871
-12.5°	322	423	518	618	726	834	949	1086	1265	1495	1811
-15°	325	424	518	616	724	833	941	1069	1237	1457	1732
-17.5°	327	422	516	611	719	828	930	1053	1210	1416	1678
-20°	327	420	511	602	710	818	921	1040	1185	1368	1603

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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°	324	417	504	593	697	803	907	1019	1153	1308	1518
-25°	319	412	498	585	682	784	888	992	1120	1267	1446
-27.5°	311	404	489	575	666	762	864	967	1083	1218	1372
-30°	299	392	477	562	651	742	836	938	1042	1168	1309
-32.5°	285	378	461	546	634	721	806	904	1006	1113	1241
-35°	273	361	445	525	614	698	778	865	964	1065	1172
-37.5°	264	343	426	503	587	671	747	827	916	1015	1113
-40°	254	325	406	482	557	641	716	789	869	964	1058
-42.5°	243	312	385	460	531	607	685	754	829	917	1005
-45°	232	297	365	436	508	575	647	720	794	871	955
-47.5°	220	281	346	410	480	549	611	682	757	830	904
-50°	205	264	324	384	449	518	583	643	711	785	856
-52.5°	189	245	300	355	416	480	547	610	668	731	800
-55°	170	222	274	326	380	440	504	567	629	685	745
-57.5°	154	197	247	298	347	398	459	519	578	637	696
-60°	138	174	218	266	315	363	413	470	526	581	635
-62.5°	122	154	190	232	278	325	372	421	472	519	566
-65°	108	133	165	200	239	280	325	372	418	456	493
-67.5°	92	115	140	169	203	237	272	313	355	391	424
-70°	79	95	116	140	167	196	228	260	292	323	356
-72.5°	67	81	96	112	135	161	186	211	238	266	293
-75°	54	65	78	91	108	128	150	173	195	216	238
-77.5°	41	52	62	72	84	100	116	134	152	170	188
-80°	30	38	47	56	65	74	85	97	110	124	138
-82.5°	20	26	33	40	45	51	57	64	73	83	93
-85°	11	14	19	24	26	29	32	35	41	47	54
-87.5°	6	7	9	11	12	12	13	14	16	19	21
-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	2	2	2	1	0	0
62.5°	3	4	8	10	11	12	13	13	13	13	13
60°	25	24	37	44	43	33	48	55	52	45	44
57.5°	68	85	98	102	115	135	141	139	141	147	165
55°	119	132	142	161	181	200	214	224	236	248	263
52.5°	162	184	200	220	247	262	269	296	320	338	349
50°	230	254	279	306	332	355	374	401	433	466	487
47.5°	303	332	366	405	433	455	480	517	561	600	625
45°	370	405	445	483	515	546	584	629	674	714	744
42.5°	430	469	512	556	584	633	685	732	787	837	875
40°	500	538	601	645	684	735	812	880	946	1007	1046
37.5°	584	648	716	770	821	885	992	1096	1179	1262	1320
35°	683	760	845	904	981	1101	1233	1377	1522	1637	1741
32.5°	778	863	949	1045	1162	1331	1497	1728	1942	2161	2367
30°	863	959	1064	1186	1376	1611	1882	2235	2619	3001	3437
27.5°	953	1058	1184	1378	1666	1986	2486	3042	3836	4475	5504
25°	1051	1170	1340	1649	2048	2611	3484	4476	6118	7521	9102
22.5°	1169	1352	1594	1981	2646	3659	5016	7180	9702	12043	14276
20°	1315	1563	1975	2593	3547	5105	7679	10961	14467	17893	21206
17.5°	1508	1901	2491	3369	4721	7997	11828	16517	22520	27029	31305
15°	1684	2181	3073	4495	7039	11256	16609	23790	31872	38667	46354
12.5°	1892	2493	3568	5411	9049	14623	21446	30010	39575	49890	61930
10°	2073	2812	4195	6733	11146	17632	25279	35332	47617	62211	77429
7.5°	2213	3079	4719	7724	12911	20100	29222	41449	57008	74066	91420
5°	2322	3285	5131	8500	14414	22104	32101	46288	64024	83602	100859
2.5°	2406	3430	5404	8978	15428	23473	34069	48861	68316	89829	107948
0°	2472	3519	5555	9317	15900	24121	34980	49901	70328	92879	111513
-2.5°	2495	3566	5563	9199	15613	24082	34767	49263	68940	91668	110756
-5°	2504	3542	5422	8955	15104	23218	33375	46843	64702	86020	105365
-7.5°	2485	3447	5138	8355	13962	21693	31431	43253	57891	76687	96681
-10°	2418	3282	4753	7541	12389	19313	28404	38393	50087	65431	81634
-12.5°	2297	3035	4221	6322	10538	16620	24671	33501	42614	52698	66025
-15°	2152	2781	3787	5583	8824	13791	20311	27768	35332	43054	51183
-17.5°	2042	2561	3342	4596	6775	10791	16004	21997	28134	34266	39741
-20°	1903	2299	2909	3884	5466	7843	11763	16427	21012	26012	30209

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REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1778	2115	2571	3185	4250	5923	8158	11440	14925	18556	22002
-25°	1660	1915	2277	2770	3406	4401	5877	7593	10039	12272	14831
-27.5°	1561	1774	2020	2385	2866	3412	4318	5320	6602	7667	9374
-30°	1465	1636	1839	2073	2426	2841	3328	3935	4562	5191	6010
-32.5°	1376	1519	1678	1867	2086	2397	2699	3089	3432	3810	4200
-35°	1288	1415	1546	1696	1864	2069	2296	2554	2782	3010	3215
-37.5°	1213	1318	1433	1552	1686	1829	2007	2189	2342	2491	2617
-40°	1148	1237	1332	1431	1539	1654	1793	1926	2030	2126	2207
-42.5°	1090	1168	1243	1327	1416	1522	1630	1732	1803	1870	1923
-45°	1035	1103	1171	1239	1313	1405	1497	1577	1633	1683	1722
-47.5°	975	1037	1099	1162	1233	1306	1380	1439	1489	1532	1561
-50°	918	978	1034	1086	1149	1215	1279	1329	1373	1410	1430
-52.5°	862	919	975	1029	1080	1132	1182	1230	1274	1313	1327
-55°	807	863	914	964	1014	1062	1108	1149	1189	1226	1238
-57.5°	753	810	864	904	947	990	1034	1075	1113	1147	1159
-60°	691	749	796	836	876	918	955	993	1030	1063	1078
-62.5°	618	671	713	752	789	825	859	894	927	954	970
-65°	532	577	619	657	690	723	755	785	814	835	848
-67.5°	457	490	526	560	594	626	654	681	706	724	736
-70°	386	416	447	477	508	536	561	585	608	624	636
-72.5°	320	347	374	402	429	453	475	496	516	530	541
-75°	260	283	306	330	353	373	390	407	424	436	446
-77.5°	207	224	241	259	276	292	306	320	333	343	352
-80°	153	167	180	193	206	217	228	238	249	258	266
-82.5°	103	114	124	135	145	151	157	162	167	174	181
-85°	60	66	73	79	86	90	94	98	102	106	109
-87.5°	24	27	29	32	35	36	36	37	37	40	43
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-730-U-MR-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	1	2
62.5°	12	10	10	10	10	10	12	13	13	13	13
60°	42	39	38	39	38	39	42	44	45	52	55
57.5°	181	194	201	204	201	194	181	165	147	141	139
55°	275	285	286	281	286	285	275	263	248	236	224
52.5°	355	356	354	349	354	356	355	349	338	320	296
50°	493	492	492	494	492	492	493	487	466	433	401
47.5°	634	641	643	640	643	641	634	625	600	561	517
45°	757	767	770	766	770	767	757	744	714	674	629
42.5°	890	896	899	902	899	896	890	875	837	787	732
40°	1065	1071	1070	1067	1070	1071	1065	1046	1007	946	880
37.5°	1360	1381	1390	1416	1390	1381	1360	1320	1262	1179	1096
35°	1821	1871	1898	1939	1898	1871	1821	1741	1637	1522	1377
32.5°	2516	2617	2670	2724	2670	2617	2516	2367	2161	1942	1728
30°	3739	3939	4020	4169	4020	3939	3739	3437	3001	2619	2235
27.5°	6259	6733	6920	7310	6920	6733	6259	5504	4475	3836	3042
25°	10543	11565	12129	12575	12129	11565	10543	9102	7521	6118	4476
22.5°	16529	18028	18828	19419	18828	18028	16529	14276	12043	9702	7180
20°	24210	26187	27366	28222	27366	26187	24210	21206	17893	14467	10961
17.5°	36793	39901	41718	43279	41718	39901	36793	31305	27029	22520	16517
15°	54929	61173	66026	68728	66026	61173	54929	46354	38667	31872	23790
12.5°	72572	81718	87151	89650	87151	81718	72572	61930	49890	39575	30010
10°	90021	98644	103813	104726	103813	98644	90021	77429	62211	47617	35332
7.5°	103378	112861	119730	122226	119730	112861	103378	91420	74066	57008	41449
5°	115176	126280	133549	134471	133549	126280	115176	100859	83602	64024	46288
2.5°	123854	135926	142974	145397	142974	135926	123854	107948	89829	68316	48861
0°	128053	141054	148897	152426	148897	141054	128053	111513	92879	70328	49901
-2.5°	127169	140616	149371	153977	149371	140616	127169	110756	91668	68940	49263
-5°	122334	135820	143983	148878	143983	135820	122334	105365	86020	64702	46843
-7.5°	111184	123795	132485	137001	132485	123795	111184	96681	76687	57891	43253
-10°	96816	107489	115410	119259	115410	107489	96816	81634	65431	50087	38393
-12.5°	78145	88498	95644	98366	95644	88498	78145	66025	52698	42614	33501
-15°	59873	67775	72851	74458	72851	67775	59873	51183	43054	35332	27768
-17.5°	45405	49659	52515	53284	52515	49659	45405	39741	34266	28134	21997
-20°	34017	36653	38506	38945	38506	36653	34017	30209	26012	21012	16427

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REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	24785	26767	28264	28562	28264	26767	24785	22002	18556	14925	11440
-25°	17097	18754	19769	19846	19769	18754	17097	14831	12272	10039	7593
-27.5°	10719	11629	12099	12264	12099	11629	10719	9374	7667	6602	5320
-30°	6624	7043	7264	7271	7264	7043	6624	6010	5191	4562	3935
-32.5°	4496	4699	4809	4809	4809	4699	4496	4200	3810	3432	3089
-35°	3368	3473	3532	3539	3532	3473	3368	3215	3010	2782	2554
-37.5°	2708	2766	2796	2802	2796	2766	2708	2617	2491	2342	2189
-40°	2265	2305	2330	2346	2330	2305	2265	2207	2126	2030	1926
-42.5°	1959	1985	1996	1988	1996	1985	1959	1923	1870	1803	1732
-45°	1745	1760	1770	1774	1770	1760	1745	1722	1683	1633	1577
-47.5°	1575	1582	1587	1590	1587	1582	1575	1561	1532	1489	1439
-50°	1441	1447	1449	1445	1449	1447	1441	1430	1410	1373	1329
-52.5°	1333	1334	1336	1338	1336	1334	1333	1327	1313	1274	1230
-55°	1244	1247	1250	1251	1250	1247	1244	1238	1226	1189	1149
-57.5°	1169	1178	1178	1173	1178	1178	1169	1159	1147	1113	1075
-60°	1090	1099	1104	1105	1104	1099	1090	1078	1063	1030	993
-62.5°	982	992	997	999	997	992	982	970	954	927	894
-65°	859	867	880	892	880	867	859	848	835	814	785
-67.5°	745	752	764	776	764	752	745	736	724	706	681
-70°	647	656	659	659	659	656	647	636	624	608	585
-72.5°	551	559	562	562	562	559	551	541	530	516	496
-75°	455	463	465	465	465	463	455	446	436	424	407
-77.5°	359	366	368	368	368	366	359	352	343	333	320
-80°	273	280	276	272	276	280	273	266	258	249	238
-82.5°	187	193	189	184	189	193	187	181	174	167	162
-85°	113	116	111	107	111	116	113	109	106	102	98
-87.5°	46	48	44	39	44	48	46	43	40	37	37
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-730-U-MR-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°	2	2	0	0	0	0	0	0	0	0	0
62.5°	13	12	11	10	8	4	3	3	2	1	2
60°	48	33	43	44	37	24	25	20	9	9	8
57.5°	141	135	115	102	98	85	68	54	44	31	18
55°	214	200	181	161	142	132	119	102	85	65	48
52.5°	269	262	247	220	200	184	162	146	129	110	85
50°	374	355	332	306	279	254	230	200	173	154	132
47.5°	480	455	433	405	366	332	303	270	231	196	174
45°	584	546	515	483	445	405	370	333	291	250	212
42.5°	685	633	584	556	512	469	430	394	349	303	263
40°	812	735	684	645	601	538	500	458	410	357	314
37.5°	992	885	821	770	716	648	584	532	477	421	369
35°	1233	1101	981	904	845	760	683	615	552	490	426
32.5°	1497	1331	1162	1045	949	863	778	702	625	557	490
30°	1882	1611	1376	1186	1064	959	863	778	695	619	552
27.5°	2486	1986	1666	1378	1184	1058	953	851	760	678	606
25°	3484	2611	2048	1649	1340	1170	1051	932	825	734	658
22.5°	5016	3659	2646	1981	1594	1352	1169	1016	891	802	715
20°	7679	5105	3547	2593	1975	1563	1315	1127	987	873	773
17.5°	11828	7997	4721	3369	2491	1901	1508	1257	1083	944	831
15°	16609	11256	7039	4495	3073	2181	1684	1382	1183	1021	890
12.5°	21446	14623	9049	5411	3568	2493	1892	1530	1283	1088	937
10°	25279	17632	11146	6733	4195	2812	2073	1641	1351	1142	978
7.5°	29222	20100	12911	7724	4719	3079	2213	1729	1408	1186	1014
5°	32101	22104	14414	8500	5131	3285	2322	1800	1454	1221	1044
2.5°	34069	23473	15428	8978	5404	3430	2406	1855	1496	1245	1063
0°	34980	24121	15900	9317	5555	3519	2472	1890	1532	1260	1076
-2.5°	34767	24082	15613	9199	5563	3566	2495	1899	1542	1277	1088
-5°	33375	23218	15104	8955	5422	3542	2504	1904	1544	1285	1092
-7.5°	31431	21693	13962	8355	5138	3447	2485	1902	1541	1290	1098
-10°	28404	19313	12389	7541	4753	3282	2418	1871	1525	1283	1096
-12.5°	24671	16620	10538	6322	4221	3035	2297	1811	1495	1265	1086
-15°	20311	13791	8824	5583	3787	2781	2152	1732	1457	1237	1069
-17.5°	16004	10791	6775	4596	3342	2561	2042	1678	1416	1210	1053
-20°	11763	7843	5466	3884	2909	2299	1903	1603	1368	1185	1040

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CATALOG NUMBER: GFLD-SA6E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8158	5923	4250	3185	2571	2115	1778	1518	1308	1153	1019
-25°	5877	4401	3406	2770	2277	1915	1660	1446	1267	1120	992
-27.5°	4318	3412	2866	2385	2020	1774	1561	1372	1218	1083	967
-30°	3328	2841	2426	2073	1839	1636	1465	1309	1168	1042	938
-32.5°	2699	2397	2086	1867	1678	1519	1376	1241	1113	1006	904
-35°	2296	2069	1864	1696	1546	1415	1288	1172	1065	964	865
-37.5°	2007	1829	1686	1552	1433	1318	1213	1113	1015	916	827
-40°	1793	1654	1539	1431	1332	1237	1148	1058	964	869	789
-42.5°	1630	1522	1416	1327	1243	1168	1090	1005	917	829	754
-45°	1497	1405	1313	1239	1171	1103	1035	955	871	794	720
-47.5°	1380	1306	1233	1162	1099	1037	975	904	830	757	682
-50°	1279	1215	1149	1086	1034	978	918	856	785	711	643
-52.5°	1182	1132	1080	1029	975	919	862	800	731	668	610
-55°	1108	1062	1014	964	914	863	807	745	685	629	567
-57.5°	1034	990	947	904	864	810	753	696	637	578	519
-60°	955	918	876	836	796	749	691	635	581	526	470
-62.5°	859	825	789	752	713	671	618	566	519	472	421
-65°	755	723	690	657	619	577	532	493	456	418	372
-67.5°	654	626	594	560	526	490	457	424	391	355	313
-70°	561	536	508	477	447	416	386	356	323	292	260
-72.5°	475	453	429	402	374	347	320	293	266	238	211
-75°	390	373	353	330	306	283	260	238	216	195	173
-77.5°	306	292	276	259	241	224	207	188	170	152	134
-80°	228	217	206	193	180	167	153	138	124	110	97
-82.5°	157	151	145	135	124	114	103	93	83	73	64
-85°	94	90	86	79	73	66	60	54	47	41	35
-87.5°	36	36	35	32	29	27	24	21	19	16	14
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627984 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-U-MR-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	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	0	0	0	0	0	0	1	0	0	0
60°	6	4	2	2	1	0	1	3	2	0	0
57.5°	16	11	7	5	5	2	1	3	4	2	0
55°	31	23	14	8	8	6	3	4	6	4	0
52.5°	62	42	28	15	9	10	6	5	7	7	3
50°	100	70	48	31	13	11	9	7	7	9	5
47.5°	147	108	74	50	29	15	13	8	8	10	7
45°	187	152	107	74	47	28	18	10	9	10	9
42.5°	226	193	149	97	69	43	25	15	9	10	10
40°	273	231	189	136	93	58	38	23	10	10	10
37.5°	322	274	227	173	119	80	50	32	14	12	10
35°	372	320	263	207	151	103	61	42	23	14	10
32.5°	420	362	300	240	179	126	78	53	32	18	10
30°	475	401	334	271	206	150	99	65	41	22	10
27.5°	528	439	366	301	234	172	121	77	49	27	13
25°	579	483	400	328	261	196	141	91	59	34	17
22.5°	625	528	432	353	290	219	161	108	69	41	20
20°	673	570	464	386	318	244	180	125	80	47	24
17.5°	721	613	507	421	345	268	199	140	91	53	28
15°	768	654	547	454	371	290	216	153	102	59	33
12.5°	810	692	582	484	397	309	232	166	112	64	38
10°	847	726	612	512	421	327	247	177	123	70	42
7.5°	878	756	638	537	444	344	260	188	132	75	47
5°	903	779	659	555	461	361	272	197	141	79	51
2.5°	919	794	675	570	474	375	282	206	148	84	55
0°	931	805	688	582	485	388	291	213	155	87	58
-2.5°	942	815	701	594	496	401	300	219	161	96	59
-5°	947	821	711	603	504	411	307	224	165	104	60
-7.5°	952	827	718	609	511	418	312	228	169	110	61
-10°	952	832	724	615	516	422	316	231	172	115	61
-12.5°	949	834	726	618	518	423	322	236	174	118	62
-15°	941	833	724	616	518	424	325	241	177	119	62
-17.5°	930	828	719	611	516	422	327	243	177	118	64
-20°	921	818	710	602	511	420	327	242	177	116	67

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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°	907	803	697	593	504	417	324	239	175	113	70
-25°	888	784	682	585	498	412	319	233	171	110	72
-27.5°	864	762	666	575	489	404	311	228	166	107	72
-30°	836	742	651	562	477	392	299	221	161	106	73
-32.5°	806	721	634	546	461	378	285	212	155	106	72
-35°	778	698	614	525	445	361	273	201	149	105	70
-37.5°	747	671	587	503	426	343	264	196	142	102	69
-40°	716	641	557	482	406	325	254	191	138	99	66
-42.5°	685	607	531	460	385	312	243	183	133	95	64
-45°	647	575	508	436	365	297	232	175	128	92	61
-47.5°	611	549	480	410	346	281	220	166	120	88	59
-50°	583	518	449	384	324	264	205	154	114	83	55
-52.5°	547	480	416	355	300	245	189	141	107	77	51
-55°	504	440	380	326	274	222	170	131	98	71	46
-57.5°	459	398	347	298	247	197	154	119	90	64	43
-60°	413	363	315	266	218	174	138	107	81	57	39
-62.5°	372	325	278	232	190	154	122	96	71	52	35
-65°	325	280	239	200	165	133	108	83	63	46	31
-67.5°	272	237	203	169	140	115	92	73	56	40	28
-70°	228	196	167	140	116	95	79	63	48	35	25
-72.5°	186	161	135	112	96	81	67	53	40	30	22
-75°	150	128	108	91	78	65	54	43	32	24	19
-77.5°	116	100	84	72	62	52	41	31	25	20	15
-80°	85	74	65	56	47	38	30	23	18	15	12
-82.5°	57	51	45	40	33	26	20	15	12	10	9
-85°	32	29	26	24	19	14	11	8	7	7	6
-87.5°	13	12	12	11	9	7	6	4	4	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA6E-730-U-MR-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	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	1	0	0	0	0	0	0
52.5°	2	0	0	0	0	0	0
50°	3	1	0	0	0	0	0
47.5°	4	2	0	0	0	0	0
45°	5	3	0	0	0	0	0
42.5°	7	4	0	0	0	0	0
40°	8	5	0	0	0	0	0
37.5°	9	7	1	0	0	0	0
35°	9	8	2	0	0	0	0
32.5°	10	8	3	0	0	0	0
30°	10	9	4	0	0	0	0
27.5°	10	9	5	0	0	0	0
25°	10	10	6	0	0	0	0
22.5°	10	10	7	0	0	0	0
20°	10	10	7	0	0	0	0
17.5°	10	10	8	0	0	0	0
15°	11	10	8	0	0	0	0
12.5°	12	10	9	0	0	0	0
10°	14	10	9	0	0	0	0
7.5°	15	10	9	0	0	0	0
5°	17	10	10	0	0	0	0
2.5°	18	10	10	0	0	0	0
0°	19	10	10	0	0	0	0
-2.5°	23	11	10	1	0	0	0
-5°	27	12	10	1	0	0	0
-7.5°	30	13	9	2	0	0	0
-10°	33	14	9	2	0	0	0
-12.5°	35	14	9	3	0	0	0
-15°	37	15	9	3	0	0	0
-17.5°	38	15	9	4	0	0	0
-20°	39	16	9	4	0	0	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	40	15	9	4	0	0	0
-25°	40	17	9	4	0	0	0
-27.5°	40	18	9	4	0	0	0
-30°	40	19	10	4	0	0	0
-32.5°	39	19	11	4	0	0	0
-35°	39	20	12	4	0	0	0
-37.5°	40	20	12	3	0	0	0
-40°	39	21	13	3	0	0	0
-42.5°	38	21	13	2	0	0	0
-45°	36	21	12	2	0	0	0
-47.5°	34	21	11	1	0	0	0
-50°	33	20	11	1	0	0	0
-52.5°	32	20	10	2	0	0	0
-55°	30	19	9	2	0	0	0
-57.5°	28	17	8	2	0	0	0
-60°	25	16	7	2	0	0	0
-62.5°	23	15	7	2	0	0	0
-65°	22	13	7	2	0	0	0
-67.5°	20	12	6	2	0	0	0
-70°	18	11	6	2	0	0	0
-72.5°	16	10	5	2	0	0	0
-75°	14	9	5	2	0	0	0
-77.5°	12	8	4	1	0	0	0
-80°	10	6	3	1	0	0	0
-82.5°	7	5	2	1	0	0	0
-85°	5	3	2	1	0	0	0
-87.5°	3	2	1	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)