

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: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-735-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627696 (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-SA5D-735-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

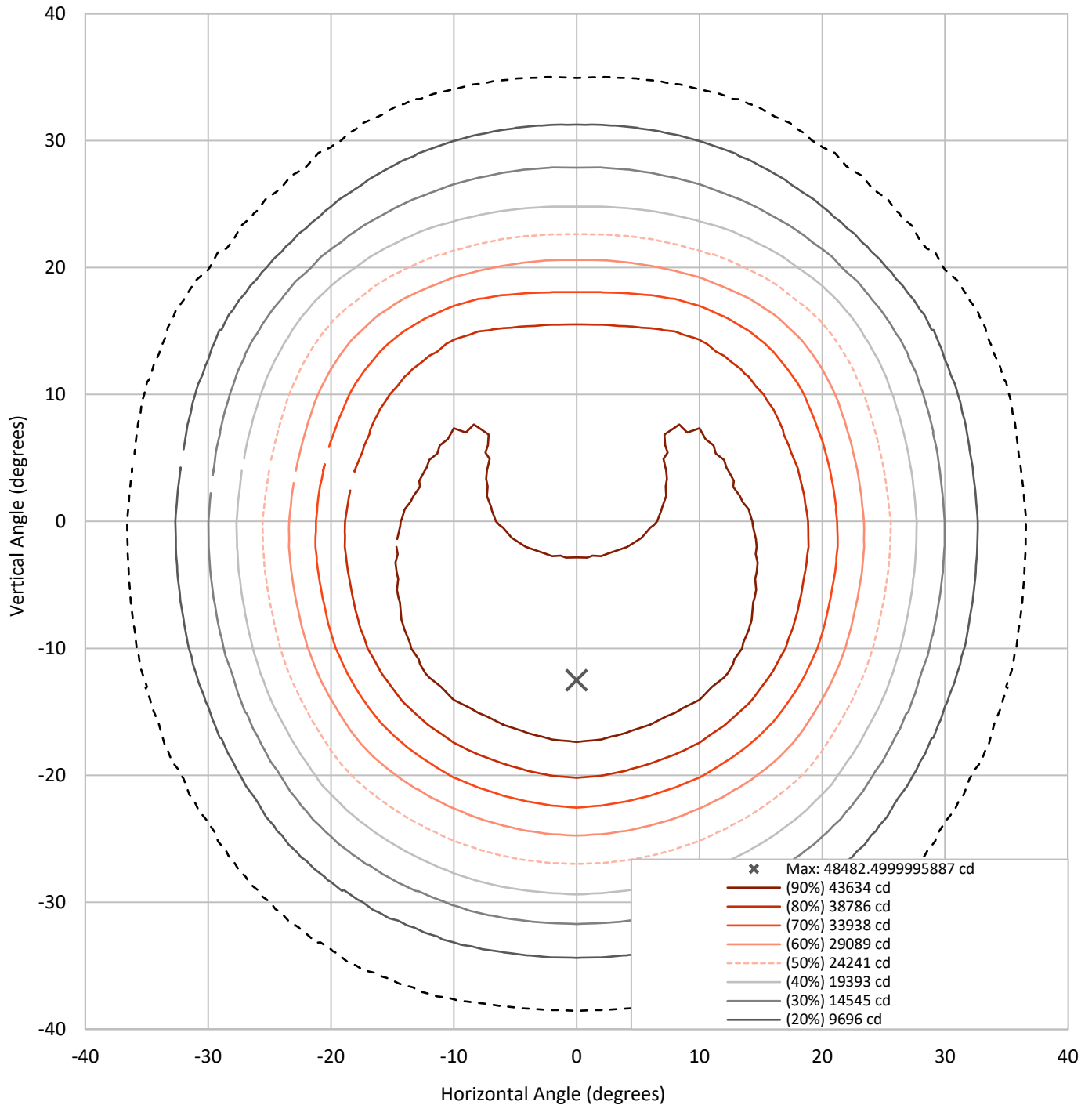
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	34605.9 lumens	Max Intensity:	48482.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	127.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	23178.9 lumens	Field Lumens:	31191.9 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%
Input Watts (W):	271.3		
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





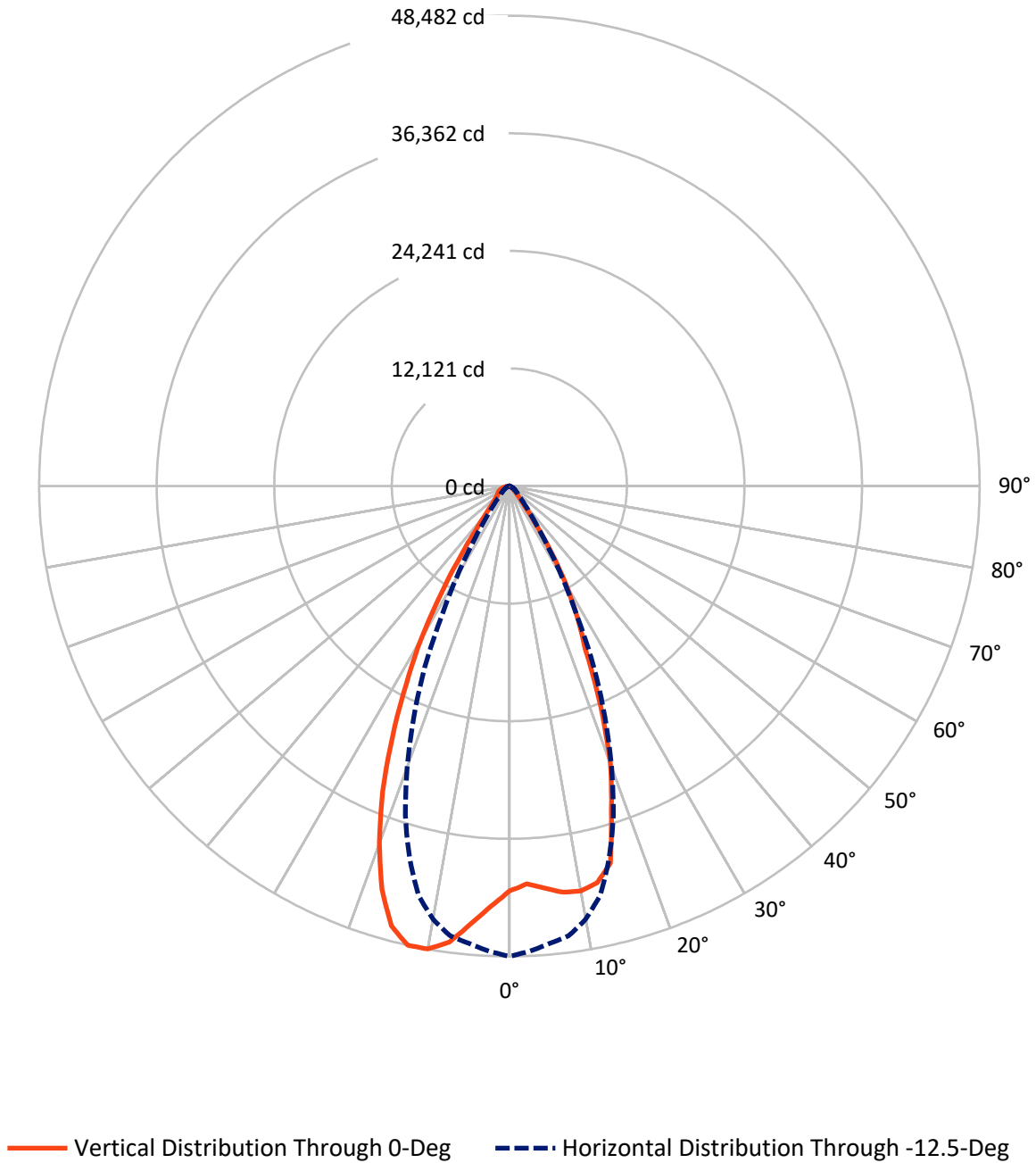
REPORT NUMBER: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1				
50		0.1	0.2	1.1	2.8	4.8	6.6	7.7	7.7	6.6	4.8	2.8	1.1	0.2		0.1			
40	0.2	0.2	1.3	4.9	9.7	15.9	23.7	29.1	29.1	23.7	15.9	9.7	4.9	1.3	0.2	0.2			
30		0.6	3.8	10.0	20.8	44.9	102.1	156.0	156.0	102.1	44.9	20.8	10.0	3.8	0.6				
20	0.4	1.4	6.5	16.2	43.4	160.9	414.2	579.0	579.0	414.2	160.9	43.4	16.2	6.5	1.4	0.4			
10		2.3	9.0	25.0	103.3	446.7	932.0	1153.9	1153.9	932.0	446.7	103.3	25.0	9.0	2.3				
0	0.7	3.0	11.2	32.2	164.6	657.9	1201.6	1302.7	1302.7	1201.6	657.9	164.6	32.2	11.2	3.0	0.7			
-10		3.5	12.3	34.5	172.1	679.4	1244.9	1382.6	1382.6	1244.9	679.4	172.1	34.5	12.3	3.5				
-20	1.0	3.8	12.5	31.3	123.2	505.9	1050.2	1340.9	1340.9	1050.2	505.9	123.2	31.3	12.5	3.8	1.0			
-30		3.7	11.9	26.1	68.9	245.4	585.2	823.4	823.4	585.2	245.4	68.9	26.1	11.9	3.7				
-40	0.9	3.2	10.6	21.6	41.1	87.4	182.8	271.3	271.3	182.8	87.4	41.1	21.6	10.6	3.2	0.9			
-50		2.7	8.9	18.0	30.0	44.3	62.4	73.9	73.9	62.4	44.3	30.0	18.0	8.9	2.7				
-60	0.6	2.0	6.7	14.2	23.6	32.7	40.8	44.6	44.6	40.8	32.7	23.6	14.2	6.7	2.0	0.6			
-70		1.4	4.3	9.7	16.6	23.4	29.6	33.1	33.1	29.6	23.4	16.6	9.7	4.3	1.4				
-80	0.3	3.8	17.4	37.1	47.6	37.1	17.4	3.8	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

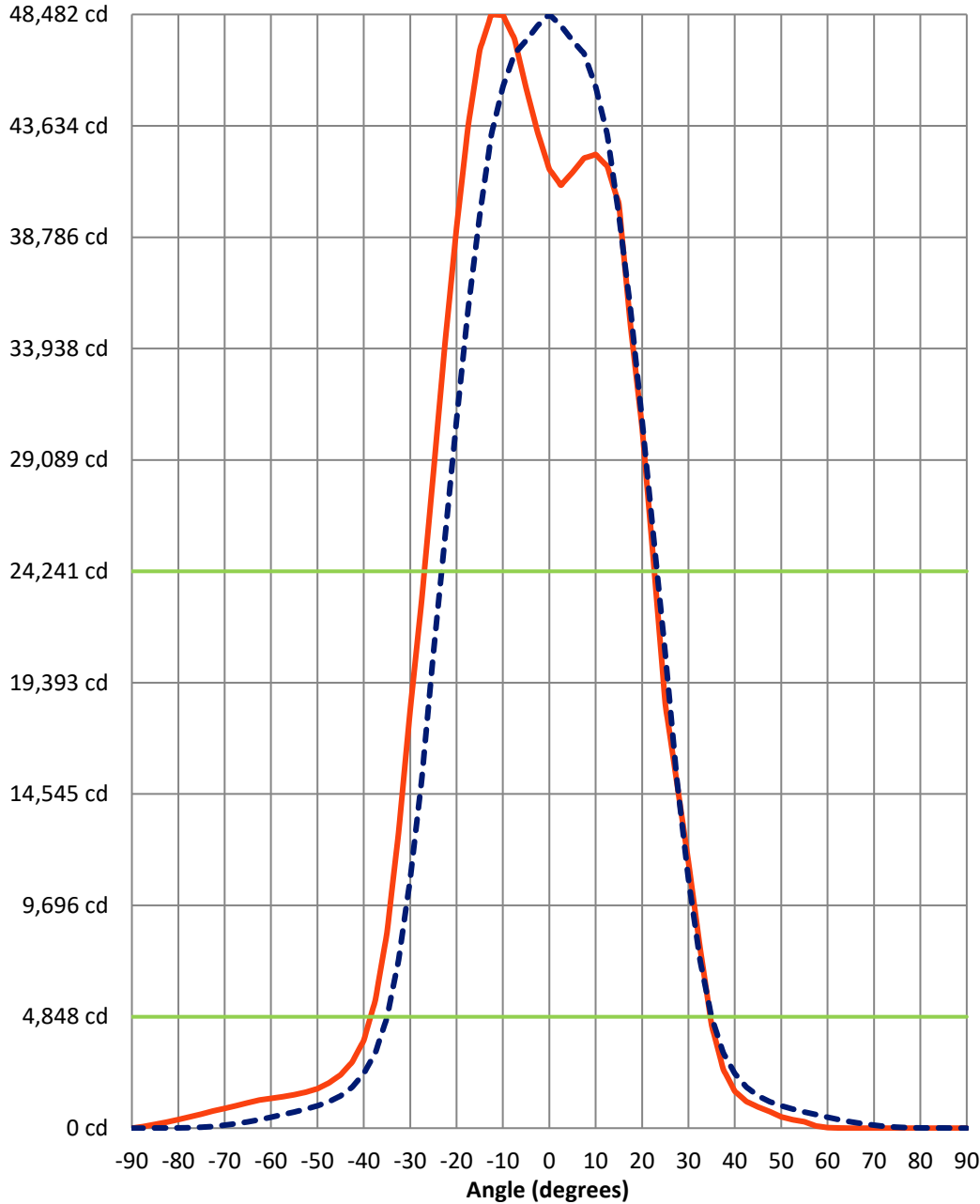
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 23178.9  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 31191.9  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 3414  
 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	2	2	1	0	0	1	1
65°	0	0	0	2	3	3	1	0	2	3	2
62.5°	0	0	0	3	4	3	1	1	4	4	5
60°	0	0	0	3	5	3	2	4	6	6	7
57.5°	0	0	1	4	5	3	3	6	7	7	8
55°	0	0	1	5	5	4	4	8	7	8	8
52.5°	0	0	2	6	6	4	6	8	8	8	8
50°	0	0	2	7	6	5	7	8	8	8	9
47.5°	0	0	3	7	6	6	8	9	8	8	11
45°	0	0	3	8	6	6	9	10	8	10	13
42.5°	0	0	4	8	6	7	9	10	9	12	16
40°	0	0	4	8	7	7	10	11	10	15	19
37.5°	0	0	5	8	7	8	11	11	13	18	22
35°	0	0	5	8	7	8	12	12	16	23	30
32.5°	0	0	5	8	8	9	13	12	19	28	47
30°	0	0	6	8	8	10	14	13	22	35	64
27.5°	0	0	6	8	8	11	14	16	26	42	79
25°	0	0	6	8	8	12	15	18	32	54	92
22.5°	0	0	7	8	8	13	15	21	38	65	109
20°	0	0	7	8	8	13	16	23	45	76	126
17.5°	0	0	7	8	8	14	16	26	52	86	143
15°	0	0	7	8	8	15	17	30	59	94	160
12.5°	0	0	8	8	8	15	18	35	66	102	177
10°	0	0	8	8	8	15	19	41	71	114	193
7.5°	0	0	8	8	8	16	20	47	76	128	206
5°	0	0	8	8	8	16	22	53	81	142	216
2.5°	0	0	8	8	8	16	23	58	84	155	224
0°	0	0	8	8	8	16	24	64	87	167	230
-2.5°	0	0	8	8	9	17	28	66	99	174	243
-5°	0	0	8	8	9	17	32	68	109	181	254
-7.5°	0	1	8	8	10	18	36	69	118	186	262
-10°	0	1	8	8	11	19	39	70	126	191	269
-12.5°	0	1	8	8	11	19	41	71	132	195	274
-15°	0	1	8	8	12	20	43	72	133	197	277
-17.5°	0	1	7	8	12	20	45	75	133	198	277
-20°	0	1	7	8	12	20	45	78	131	197	273

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CATALOG NUMBER: GFLD-SA5D-735-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	7	8	12	21	46	80	129	194	267
-25°	0	2	7	8	12	22	45	80	126	190	256
-27.5°	0	2	7	8	12	23	45	80	123	184	251
-30°	0	2	7	8	12	24	44	79	122	179	243
-32.5°	0	2	7	8	12	25	43	77	120	174	233
-35°	0	2	7	8	13	26	43	75	117	168	222
-37.5°	0	2	7	8	13	26	44	73	112	163	218
-40°	0	2	7	8	13	26	44	70	105	156	215
-42.5°	0	2	7	8	13	26	43	67	100	148	208
-45°	0	2	7	8	14	26	42	64	95	139	198
-47.5°	0	2	7	9	14	26	41	62	91	128	185
-50°	0	2	7	9	15	25	40	60	86	123	171
-52.5°	0	2	7	9	15	24	39	57	82	117	156
-55°	0	2	7	9	14	23	37	53	78	109	147
-57.5°	0	2	7	10	14	23	35	51	74	102	136
-60°	0	2	7	10	14	22	33	48	68	95	125
-62.5°	0	2	6	10	14	21	31	45	63	87	115
-65°	0	2	6	10	13	19	29	41	58	79	104
-67.5°	0	1	6	10	13	18	26	37	51	70	92
-70°	0	1	5	10	13	17	23	33	45	60	79
-72.5°	0	1	5	9	12	16	21	28	39	51	66
-75°	0	1	4	8	12	15	20	25	31	42	54
-77.5°	0	1	3	6	10	14	18	22	28	34	42
-80°	0	1	3	5	8	12	16	20	24	29	34
-82.5°	0	1	2	4	6	9	12	16	20	24	28
-85°	0	0	1	3	4	6	8	11	14	17	20
-87.5°	0	0	1	1	2	3	4	5	7	8	10
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-735-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	1	1	0	0	0	0	0	0	0
67.5°	1	2	3	2	0	0	0	1	0	0	0
65°	4	5	4	2	0	2	3	2	0	0	0
62.5°	7	6	4	3	4	6	5	3	1	2	3
60°	8	7	6	6	8	7	5	5	6	8	19
57.5°	8	7	7	9	9	8	10	11	28	47	53
55°	8	8	9	11	12	14	21	44	66	82	88
52.5°	9	9	12	15	18	30	55	81	102	118	140
50°	10	13	16	22	35	62	93	121	149	174	205
47.5°	13	17	24	35	64	99	136	173	205	241	284
45°	17	26	34	61	98	142	188	229	262	304	343
42.5°	20	39	58	87	139	192	244	277	315	360	411
40°	33	54	83	128	184	247	292	329	368	431	494
37.5°	49	76	111	169	236	297	341	385	443	515	590
35°	66	97	148	213	287	343	393	448	527	610	699
32.5°	85	117	184	257	328	388	443	525	608	700	822
30°	102	148	220	300	366	429	507	597	680	793	935
27.5°	121	178	256	335	402	468	570	658	752	881	1052
25°	142	211	290	366	436	519	631	725	822	986	1216
22.5°	166	241	324	396	468	574	694	810	937	1100	1384
20°	192	270	353	431	501	626	760	903	1075	1303	1675
17.5°	217	297	382	466	553	681	832	1001	1215	1498	2045
15°	239	320	411	502	603	739	904	1111	1371	1723	2403
12.5°	259	341	438	536	648	790	967	1193	1499	2005	2860
10°	277	360	464	570	687	836	1022	1262	1604	2208	3202
7.5°	292	380	488	601	721	876	1069	1317	1696	2368	3468
5°	305	403	509	625	746	908	1108	1361	1774	2484	3674
2.5°	317	425	526	644	765	934	1138	1401	1849	2580	3848
0°	326	445	540	660	779	954	1161	1431	1908	2647	3983
-2.5°	337	455	559	672	801	968	1171	1453	1927	2656	3956
-5°	347	462	575	681	818	976	1174	1461	1924	2636	3874
-7.5°	354	467	586	689	828	980	1175	1456	1904	2592	3742
-10°	360	471	590	698	831	979	1169	1438	1859	2506	3542
-12.5°	368	476	591	702	830	974	1154	1406	1788	2378	3286
-15°	373	479	590	702	826	963	1129	1361	1693	2207	2969
-17.5°	375	480	588	696	819	948	1095	1307	1605	2057	2742
-20°	374	478	584	684	810	931	1073	1265	1532	1913	2465

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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°	371	475	579	674	794	915	1046	1215	1439	1752	2198
-25°	363	469	572	668	777	895	1012	1160	1355	1632	2003
-27.5°	350	459	560	658	757	872	983	1117	1287	1501	1797
-30°	333	446	545	643	741	848	954	1068	1217	1403	1641
-32.5°	316	431	528	624	722	823	924	1029	1157	1311	1498
-35°	304	412	511	601	698	796	892	990	1096	1233	1392
-37.5°	297	392	492	578	670	765	858	951	1049	1156	1301
-40°	287	372	471	557	640	733	823	911	1001	1109	1220
-42.5°	275	358	449	537	615	700	786	871	961	1060	1165
-45°	263	341	427	509	588	668	751	830	918	1012	1109
-47.5°	248	322	404	476	555	634	714	793	871	958	1052
-50°	230	300	375	445	514	593	673	753	829	903	985
-52.5°	212	274	345	414	477	544	626	706	782	856	928
-55°	192	250	314	381	445	503	574	656	731	803	877
-57.5°	176	224	284	347	410	471	535	605	679	749	821
-60°	162	201	252	311	373	433	496	560	627	695	759
-62.5°	146	181	222	271	329	390	448	509	572	630	688
-65°	132	160	195	236	282	336	393	451	509	560	609
-67.5°	117	142	169	200	240	286	332	384	437	487	534
-70°	101	123	146	172	202	239	281	323	366	410	456
-72.5°	84	103	124	145	171	203	235	269	306	345	383
-75°	68	84	101	120	142	167	194	224	253	284	315
-77.5°	54	67	81	95	112	132	154	177	201	225	249
-80°	42	51	62	74	87	101	116	132	150	169	190
-82.5°	33	39	46	54	63	72	82	93	107	121	136
-85°	24	28	32	36	41	47	53	59	68	77	86
-87.5°	12	14	16	18	21	23	25	28	32	36	41
-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	3	3	2	2	4	5	6	6	6
60°	21	15	20	26	25	19	28	32	30	24	25
57.5°	56	60	69	80	89	94	102	110	116	119	123
55°	102	122	144	154	171	197	220	222	226	232	245
52.5°	164	187	198	217	251	272	283	301	321	340	357
50°	238	258	282	312	344	365	372	405	445	477	496
47.5°	312	339	382	436	464	487	520	562	606	653	690
45°	381	430	485	533	570	610	655	707	776	841	890
42.5°	460	515	570	626	666	735	813	874	973	1060	1114
40°	552	606	686	754	838	924	1058	1183	1308	1452	1558
37.5°	662	746	859	968	1092	1220	1460	1706	1906	2188	2344
35°	795	924	1084	1248	1446	1754	2104	2578	3071	3482	3877
32.5°	948	1113	1334	1627	1960	2454	2980	3853	4704	5554	6388
30°	1098	1339	1677	2078	2627	3408	4400	5749	7211	8491	9649
27.5°	1299	1640	2079	2679	3612	4757	6589	8463	10324	11986	13179
25°	1542	1999	2620	3613	4961	6860	9314	11611	13796	15425	16797
22.5°	1893	2578	3459	4724	7170	9810	12748	15638	18091	20145	21497
20°	2327	3253	4727	7020	9897	13199	16979	20019	23041	25351	27415
17.5°	2941	4416	6496	9409	12846	17251	21143	24534	28371	30731	32836
15°	3494	5389	8355	12071	16099	20767	25358	29510	33214	35808	38161
12.5°	4192	6424	9833	14204	18610	23807	28579	33025	36652	39322	40968
10°	4819	7484	11310	15881	20813	26243	31188	35816	39329	41393	42604
7.5°	5324	8365	12506	17316	22523	27988	33212	37805	41167	42894	43720
5°	5716	9019	13443	18493	23901	29493	34824	39320	42152	43579	44041
2.5°	6009	9474	14074	19267	24831	30604	36048	40478	42894	43924	44077
0°	6208	9793	14483	19754	25628	31002	36710	41209	43506	44333	44412
-2.5°	6161	9678	14465	19578	25537	31181	36815	41255	43714	44825	45005
-5°	6036	9405	13986	19077	24810	30463	35837	40525	43542	45220	45963
-7.5°	5794	8935	13166	18120	23634	29292	34771	39636	43108	45468	46922
-10°	5382	8247	12116	16908	22343	27734	33152	38200	41939	44780	46806
-12.5°	4820	7314	10836	15193	20656	25690	30819	35656	39737	43241	45334
-15°	4239	6343	9507	13493	18249	23206	27945	32691	36720	39996	42607
-17.5°	3826	5493	7967	11455	15631	20334	24958	29318	32953	36033	38771
-20°	3302	4540	6500	9433	13110	17221	21649	25530	28776	31664	34280



REPORT NUMBER: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-735-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2886	3888	5304	7305	10607	14233	17856	21429	24481	27052	29285
-25°	2508	3211	4317	5945	8093	11224	14276	17293	20111	22501	24512
-27.5°	2211	2770	3507	4666	6296	8123	10798	13320	15742	17928	19824
-30°	1940	2360	2937	3661	4770	6127	7736	9621	11553	13279	15001
-32.5°	1747	2045	2442	2979	3600	4572	5544	6813	8036	9294	10530
-35°	1572	1813	2082	2442	2868	3435	4076	4851	5505	6328	7088
-37.5°	1453	1622	1828	2055	2360	2676	3110	3581	3986	4445	4831
-40°	1354	1487	1626	1779	1988	2202	2482	2747	3004	3284	3492
-42.5°	1271	1377	1478	1596	1720	1892	2080	2244	2401	2565	2702
-45°	1206	1285	1366	1458	1552	1676	1809	1932	2034	2126	2200
-47.5°	1135	1206	1278	1349	1430	1520	1607	1686	1771	1842	1893
-50°	1066	1137	1202	1263	1333	1403	1473	1536	1596	1649	1681
-52.5°	999	1072	1136	1192	1251	1309	1366	1423	1475	1523	1544
-55°	948	1015	1080	1130	1180	1229	1280	1334	1383	1428	1442
-57.5°	892	960	1022	1069	1115	1159	1206	1255	1303	1345	1359
-60°	827	899	954	998	1044	1092	1137	1181	1225	1262	1277
-62.5°	750	814	865	908	950	990	1038	1085	1131	1168	1190
-65°	659	714	763	807	847	886	931	975	1016	1048	1072
-67.5°	579	622	662	701	741	781	822	863	902	930	949
-70°	499	540	577	614	649	683	718	752	785	810	829
-72.5°	422	457	489	522	554	585	614	643	672	693	712
-75°	349	379	407	434	461	485	508	531	553	571	588
-77.5°	275	299	323	346	369	389	407	424	441	456	471
-80°	210	228	245	263	281	295	309	322	335	347	359
-82.5°	151	163	174	186	197	208	218	227	236	245	254
-85°	96	102	109	115	122	128	134	140	145	151	156
-87.5°	46	49	52	55	58	61	63	66	69	72	74
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-735-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	7	8	8	8	8	8	7	6	6	6	5
60°	25	24	24	24	24	24	25	25	24	30	32
57.5°	120	111	104	95	104	111	120	123	119	116	110
55°	260	274	280	278	280	274	260	245	232	226	222
52.5°	369	376	374	366	374	376	369	357	340	321	301
50°	504	505	501	493	501	505	504	496	477	445	405
47.5°	708	719	724	723	724	719	708	690	653	606	562
45°	909	919	923	922	923	919	909	890	841	776	707
42.5°	1143	1161	1167	1161	1167	1161	1143	1114	1060	973	874
40°	1620	1640	1631	1606	1631	1640	1620	1558	1452	1308	1183
37.5°	2454	2533	2567	2568	2567	2533	2454	2344	2188	1906	1706
35°	4232	4516	4646	4483	4646	4516	4232	3877	3482	3071	2578
32.5°	7069	7571	7854	7854	7854	7571	7069	6388	5554	4704	3853
30°	10525	11154	11507	11582	11507	11154	10525	9649	8491	7211	5749
27.5°	14110	14759	15097	15048	15097	14759	14110	13179	11986	10324	8463
25°	17706	18198	18482	18490	18482	18198	17706	16797	15425	13796	11611
22.5°	23019	24055	24481	24595	24481	24055	23019	21497	20145	18091	15638
20°	28811	29815	30462	30501	30462	29815	28811	27415	25351	23041	20019
17.5°	34329	34827	34919	34961	34919	34827	34329	32836	30731	28371	24534
15°	39531	39706	40166	40223	40166	39706	39531	38161	35808	33214	29510
12.5°	42002	42161	42082	41869	42082	42161	42002	40968	39322	36652	33025
10°	43348	43123	42788	42385	42788	43123	43348	42604	41393	39329	35816
7.5°	43653	43403	42812	42226	42812	43403	43653	43720	42894	41167	37805
5°	43798	43064	42318	41606	42318	43064	43798	44041	43579	42152	39320
2.5°	43712	42839	41815	41050	41815	42839	43712	44077	43924	42894	40478
0°	43991	43109	42036	41750	42036	43109	43991	44412	44333	43506	41209
-2.5°	44768	44052	43492	43339	43492	44052	44768	45005	44825	43714	41255
-5°	46165	46007	45055	45279	45055	46007	46165	45963	45220	43542	40525
-7.5°	47514	47291	46888	47409	46888	47291	47514	46922	45468	43108	39636
-10°	47873	47800	47988	48451	47988	47800	47873	46806	44780	41939	38200
-12.5°	46773	47350	47996	48482	47996	47350	46773	45334	43241	39737	35656
-15°	44321	45500	46466	46924	46466	45500	44321	42607	39996	36720	32691
-17.5°	40709	42154	43299	43626	43299	42154	40709	38771	36033	32953	29318
-20°	36262	37732	38774	39190	38774	37732	36262	34280	31664	28776	25530

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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°	31257	32692	33637	34134	33637	32692	31257	29285	27052	24481	21429
-25°	26178	27440	28278	28498	28278	27440	26178	24512	22501	20111	17293
-27.5°	21320	22335	22953	23021	22953	22335	21320	19824	17928	15742	13320
-30°	16434	17377	17912	18196	17912	17377	16434	15001	13279	11553	9621
-32.5°	11542	12290	12743	12862	12743	12290	11542	10530	9294	8036	6813
-35°	7695	8161	8447	8506	8447	8161	7695	7088	6328	5505	4851
-37.5°	5145	5372	5512	5580	5512	5372	5145	4831	4445	3986	3581
-40°	3645	3752	3811	3824	3811	3752	3645	3492	3284	3004	2747
-42.5°	2788	2842	2870	2878	2870	2842	2788	2702	2565	2401	2244
-45°	2253	2291	2314	2321	2314	2291	2253	2200	2126	2034	1932
-47.5°	1927	1952	1966	1971	1966	1952	1927	1893	1842	1771	1686
-50°	1700	1714	1719	1717	1719	1714	1700	1681	1649	1596	1536
-52.5°	1557	1567	1569	1566	1569	1567	1557	1544	1523	1475	1423
-55°	1451	1458	1458	1455	1458	1458	1451	1442	1428	1383	1334
-57.5°	1370	1378	1376	1367	1376	1378	1370	1359	1345	1303	1255
-60°	1289	1299	1299	1296	1299	1299	1289	1277	1262	1225	1181
-62.5°	1209	1225	1227	1224	1227	1225	1209	1190	1168	1131	1085
-65°	1093	1113	1112	1105	1112	1113	1093	1072	1048	1016	975
-67.5°	966	980	981	978	981	980	966	949	930	902	863
-70°	846	861	862	859	862	861	846	829	810	785	752
-72.5°	728	743	746	747	746	743	728	712	693	672	643
-75°	603	617	615	612	615	617	603	588	571	553	531
-77.5°	485	498	496	493	496	498	485	471	456	441	424
-80°	370	380	377	374	377	380	370	359	347	335	322
-82.5°	262	269	266	262	266	269	262	254	245	236	227
-85°	161	166	167	167	167	166	161	156	151	145	140
-87.5°	77	79	75	72	75	79	77	74	72	69	66
-90°	0	0	0	0	0	0	0	0	0	0	0



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**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	2	2	3	2	1	3
60°	28	19	25	26	20	15	21	19	8	6	5
57.5°	102	94	89	80	69	60	56	53	47	28	11
55°	220	197	171	154	144	122	102	88	82	66	44
52.5°	283	272	251	217	198	187	164	140	118	102	81
50°	372	365	344	312	282	258	238	205	174	149	121
47.5°	520	487	464	436	382	339	312	284	241	205	173
45°	655	610	570	533	485	430	381	343	304	262	229
42.5°	813	735	666	626	570	515	460	411	360	315	277
40°	1058	924	838	754	686	606	552	494	431	368	329
37.5°	1460	1220	1092	968	859	746	662	590	515	443	385
35°	2104	1754	1446	1248	1084	924	795	699	610	527	448
32.5°	2980	2454	1960	1627	1334	1113	948	822	700	608	525
30°	4400	3408	2627	2078	1677	1339	1098	935	793	680	597
27.5°	6589	4757	3612	2679	2079	1640	1299	1052	881	752	658
25°	9314	6860	4961	3613	2620	1999	1542	1216	986	822	725
22.5°	12748	9810	7170	4724	3459	2578	1893	1384	1100	937	810
20°	16979	13199	9897	7020	4727	3253	2327	1675	1303	1075	903
17.5°	21143	17251	12846	9409	6496	4416	2941	2045	1498	1215	1001
15°	25358	20767	16099	12071	8355	5389	3494	2403	1723	1371	1111
12.5°	28579	23807	18610	14204	9833	6424	4192	2860	2005	1499	1193
10°	31188	26243	20813	15881	11310	7484	4819	3202	2208	1604	1262
7.5°	33212	27988	22523	17316	12506	8365	5324	3468	2368	1696	1317
5°	34824	29493	23901	18493	13443	9019	5716	3674	2484	1774	1361
2.5°	36048	30604	24831	19267	14074	9474	6009	3848	2580	1849	1401
0°	36710	31002	25628	19754	14483	9793	6208	3983	2647	1908	1431
-2.5°	36815	31181	25537	19578	14465	9678	6161	3956	2656	1927	1453
-5°	35837	30463	24810	19077	13986	9405	6036	3874	2636	1924	1461
-7.5°	34771	29292	23634	18120	13166	8935	5794	3742	2592	1904	1456
-10°	33152	27734	22343	16908	12116	8247	5382	3542	2506	1859	1438
-12.5°	30819	25690	20656	15193	10836	7314	4820	3286	2378	1788	1406
-15°	27945	23206	18249	13493	9507	6343	4239	2969	2207	1693	1361
-17.5°	24958	20334	15631	11455	7967	5493	3826	2742	2057	1605	1307
-20°	21649	17221	13110	9433	6500	4540	3302	2465	1913	1532	1265

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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°	17856	14233	10607	7305	5304	3888	2886	2198	1752	1439	1215
-25°	14276	11224	8093	5945	4317	3211	2508	2003	1632	1355	1160
-27.5°	10798	8123	6296	4666	3507	2770	2211	1797	1501	1287	1117
-30°	7736	6127	4770	3661	2937	2360	1940	1641	1403	1217	1068
-32.5°	5544	4572	3600	2979	2442	2045	1747	1498	1311	1157	1029
-35°	4076	3435	2868	2442	2082	1813	1572	1392	1233	1096	990
-37.5°	3110	2676	2360	2055	1828	1622	1453	1301	1156	1049	951
-40°	2482	2202	1988	1779	1626	1487	1354	1220	1109	1001	911
-42.5°	2080	1892	1720	1596	1478	1377	1271	1165	1060	961	871
-45°	1809	1676	1552	1458	1366	1285	1206	1109	1012	918	830
-47.5°	1607	1520	1430	1349	1278	1206	1135	1052	958	871	793
-50°	1473	1403	1333	1263	1202	1137	1066	985	903	829	753
-52.5°	1366	1309	1251	1192	1136	1072	999	928	856	782	706
-55°	1280	1229	1180	1130	1080	1015	948	877	803	731	656
-57.5°	1206	1159	1115	1069	1022	960	892	821	749	679	605
-60°	1137	1092	1044	998	954	899	827	759	695	627	560
-62.5°	1038	990	950	908	865	814	750	688	630	572	509
-65°	931	886	847	807	763	714	659	609	560	509	451
-67.5°	822	781	741	701	662	622	579	534	487	437	384
-70°	718	683	649	614	577	540	499	456	410	366	323
-72.5°	614	585	554	522	489	457	422	383	345	306	269
-75°	508	485	461	434	407	379	349	315	284	253	224
-77.5°	407	389	369	346	323	299	275	249	225	201	177
-80°	309	295	281	263	245	228	210	190	169	150	132
-82.5°	218	208	197	186	174	163	151	136	121	107	93
-85°	134	128	122	115	109	102	96	86	77	68	59
-87.5°	63	61	58	55	52	49	46	41	36	32	28
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627696 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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	2	1	1	1	0	0
65°	3	2	0	2	4	5	4	2	3	2	0
62.5°	5	6	4	3	4	6	7	5	4	4	1
60°	5	7	8	6	6	7	8	7	6	6	4
57.5°	10	8	9	9	7	7	8	8	7	7	6
55°	21	14	12	11	9	8	8	8	8	7	8
52.5°	55	30	18	15	12	9	9	8	8	8	8
50°	93	62	35	22	16	13	10	9	8	8	8
47.5°	136	99	64	35	24	17	13	11	8	8	9
45°	188	142	98	61	34	26	17	13	10	8	10
42.5°	244	192	139	87	58	39	20	16	12	9	10
40°	292	247	184	128	83	54	33	19	15	10	11
37.5°	341	297	236	169	111	76	49	22	18	13	11
35°	393	343	287	213	148	97	66	30	23	16	12
32.5°	443	388	328	257	184	117	85	47	28	19	12
30°	507	429	366	300	220	148	102	64	35	22	13
27.5°	570	468	402	335	256	178	121	79	42	26	16
25°	631	519	436	366	290	211	142	92	54	32	18
22.5°	694	574	468	396	324	241	166	109	65	38	21
20°	760	626	501	431	353	270	192	126	76	45	23
17.5°	832	681	553	466	382	297	217	143	86	52	26
15°	904	739	603	502	411	320	239	160	94	59	30
12.5°	967	790	648	536	438	341	259	177	102	66	35
10°	1022	836	687	570	464	360	277	193	114	71	41
7.5°	1069	876	721	601	488	380	292	206	128	76	47
5°	1108	908	746	625	509	403	305	216	142	81	53
2.5°	1138	934	765	644	526	425	317	224	155	84	58
0°	1161	954	779	660	540	445	326	230	167	87	64
-2.5°	1171	968	801	672	559	455	337	243	174	99	66
-5°	1174	976	818	681	575	462	347	254	181	109	68
-7.5°	1175	980	828	689	586	467	354	262	186	118	69
-10°	1169	979	831	698	590	471	360	269	191	126	70
-12.5°	1154	974	830	702	591	476	368	274	195	132	71
-15°	1129	963	826	702	590	479	373	277	197	133	72
-17.5°	1095	948	819	696	588	480	375	277	198	133	75
-20°	1073	931	810	684	584	478	374	273	197	131	78

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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°	1046	915	794	674	579	475	371	267	194	129	80
-25°	1012	895	777	668	572	469	363	256	190	126	80
-27.5°	983	872	757	658	560	459	350	251	184	123	80
-30°	954	848	741	643	545	446	333	243	179	122	79
-32.5°	924	823	722	624	528	431	316	233	174	120	77
-35°	892	796	698	601	511	412	304	222	168	117	75
-37.5°	858	765	670	578	492	392	297	218	163	112	73
-40°	823	733	640	557	471	372	287	215	156	105	70
-42.5°	786	700	615	537	449	358	275	208	148	100	67
-45°	751	668	588	509	427	341	263	198	139	95	64
-47.5°	714	634	555	476	404	322	248	185	128	91	62
-50°	673	593	514	445	375	300	230	171	123	86	60
-52.5°	626	544	477	414	345	274	212	156	117	82	57
-55°	574	503	445	381	314	250	192	147	109	78	53
-57.5°	535	471	410	347	284	224	176	136	102	74	51
-60°	496	433	373	311	252	201	162	125	95	68	48
-62.5°	448	390	329	271	222	181	146	115	87	63	45
-65°	393	336	282	236	195	160	132	104	79	58	41
-67.5°	332	286	240	200	169	142	117	92	70	51	37
-70°	281	239	202	172	146	123	101	79	60	45	33
-72.5°	235	203	171	145	124	103	84	66	51	39	28
-75°	194	167	142	120	101	84	68	54	42	31	25
-77.5°	154	132	112	95	81	67	54	42	34	28	22
-80°	116	101	87	74	62	51	42	34	29	24	20
-82.5°	82	72	63	54	46	39	33	28	24	20	16
-85°	53	47	41	36	32	28	24	20	17	14	11
-87.5°	25	23	21	18	16	14	12	10	8	7	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-735-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	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	2	2	1	0	0	0
65°	1	3	3	2	0	0	0
62.5°	1	3	4	3	0	0	0
60°	2	3	5	3	0	0	0
57.5°	3	3	5	4	1	0	0
55°	4	4	5	5	1	0	0
52.5°	6	4	6	6	2	0	0
50°	7	5	6	7	2	0	0
47.5°	8	6	6	7	3	0	0
45°	9	6	6	8	3	0	0
42.5°	9	7	6	8	4	0	0
40°	10	7	7	8	4	0	0
37.5°	11	8	7	8	5	0	0
35°	12	8	7	8	5	0	0
32.5°	13	9	8	8	5	0	0
30°	14	10	8	8	6	0	0
27.5°	14	11	8	8	6	0	0
25°	15	12	8	8	6	0	0
22.5°	15	13	8	8	7	0	0
20°	16	13	8	8	7	0	0
17.5°	16	14	8	8	7	0	0
15°	17	15	8	8	7	0	0
12.5°	18	15	8	8	8	0	0
10°	19	15	8	8	8	0	0
7.5°	20	16	8	8	8	0	0
5°	22	16	8	8	8	0	0
2.5°	23	16	8	8	8	0	0
0°	24	16	8	8	8	0	0
-2.5°	28	17	9	8	8	0	0
-5°	32	17	9	8	8	0	0
-7.5°	36	18	10	8	8	1	0
-10°	39	19	11	8	8	1	0
-12.5°	41	19	11	8	8	1	0
-15°	43	20	12	8	8	1	0
-17.5°	45	20	12	8	7	1	0
-20°	45	20	12	8	7	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	46	21	12	8	7	1	0
-25°	45	22	12	8	7	2	0
-27.5°	45	23	12	8	7	2	0
-30°	44	24	12	8	7	2	0
-32.5°	43	25	12	8	7	2	0
-35°	43	26	13	8	7	2	0
-37.5°	44	26	13	8	7	2	0
-40°	44	26	13	8	7	2	0
-42.5°	43	26	13	8	7	2	0
-45°	42	26	14	8	7	2	0
-47.5°	41	26	14	9	7	2	0
-50°	40	25	15	9	7	2	0
-52.5°	39	24	15	9	7	2	0
-55°	37	23	14	9	7	2	0
-57.5°	35	23	14	10	7	2	0
-60°	33	22	14	10	7	2	0
-62.5°	31	21	14	10	6	2	0
-65°	29	19	13	10	6	2	0
-67.5°	26	18	13	10	6	1	0
-70°	23	17	13	10	5	1	0
-72.5°	21	16	12	9	5	1	0
-75°	20	15	12	8	4	1	0
-77.5°	18	14	10	6	3	1	0
-80°	16	12	8	5	3	1	0
-82.5°	12	9	6	4	2	1	0
-85°	8	6	4	3	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)