

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: P627606 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-722-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627606 (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-SA5C-722-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20711.6 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 29016.7 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 13872.6 lumens  
Beam Efficiency: 67.0%

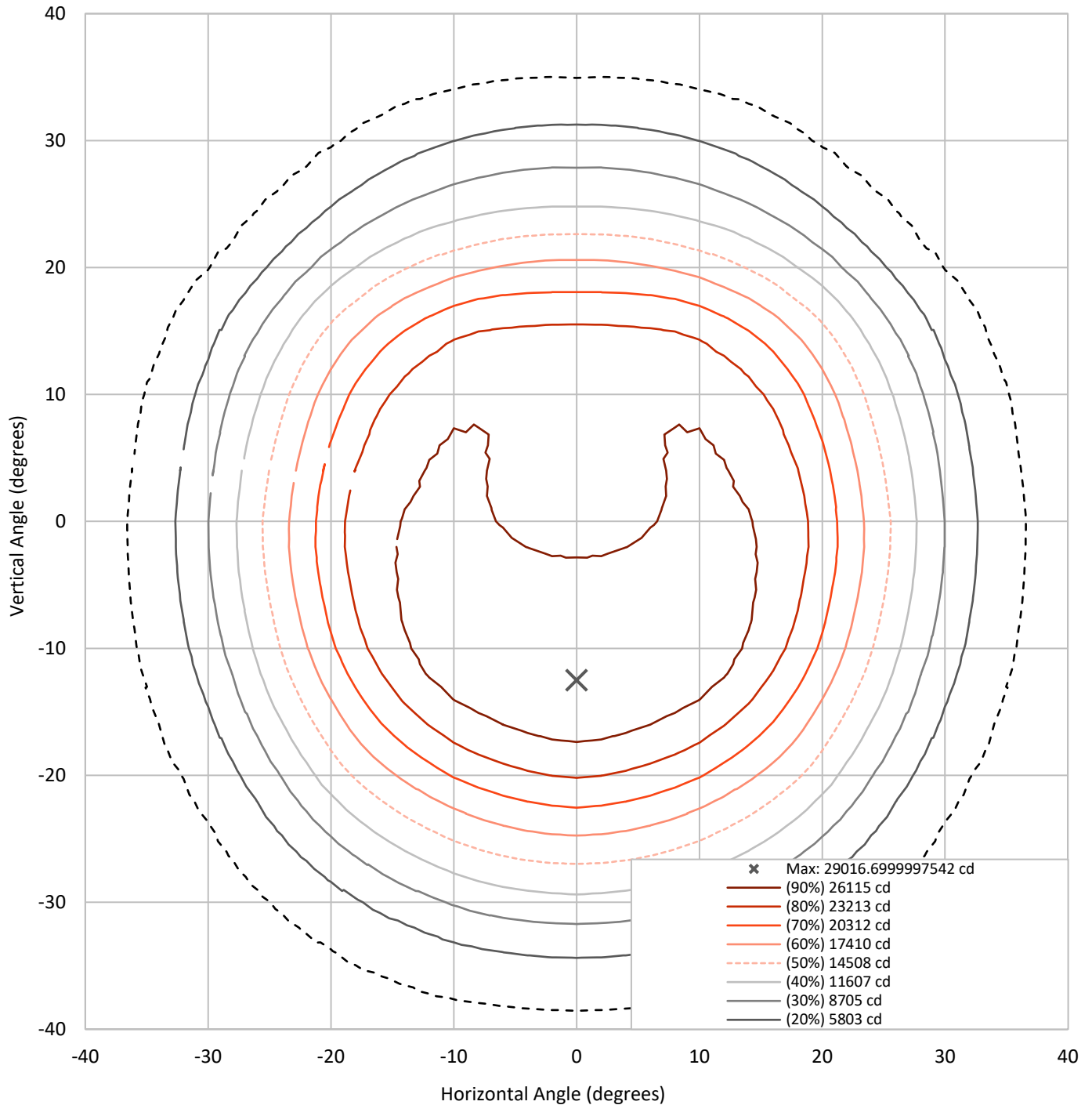
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 18668.4 lumens  
Field Efficiency: 90.1%

Input Watts (W): 206.1  
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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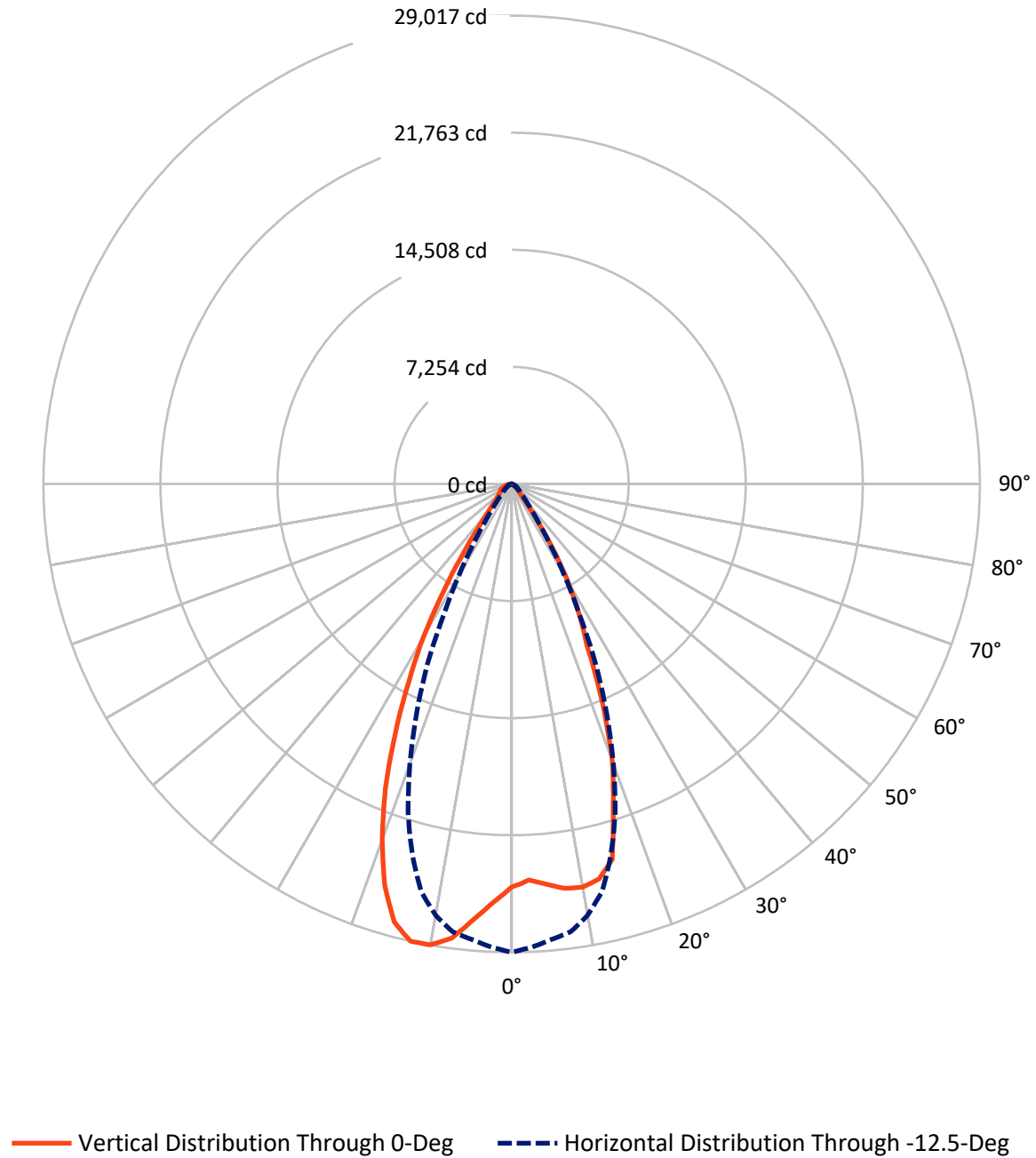
CATALOG NUMBER: GFLD-SA5C-722-U-MWR-VSR-XX

### 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	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0									
50		0.1	0.1	0.7	1.7	2.8	3.9	4.6	4.6	3.9	2.8	1.7	0.7	0.1		0.1								
40	0.1	0.1	0.8	2.9	5.8	9.5	14.2	17.4	17.4	14.2	9.5	5.8	2.9	0.8	0.1	0.1								
30		0.4	2.3	6.0	12.4	26.9	61.1	93.4	93.4	61.1	26.9	12.4	6.0	2.3	0.4									
20	0.2	0.8	3.9	9.7	26.0	96.3	247.9	346.5	346.5	247.9	96.3	26.0	9.7	3.9	0.8	0.2								
10		1.4	5.4	15.0	61.8	267.4	557.8	690.6	690.6	557.8	267.4	61.8	15.0	5.4	1.4									
0	0.4	1.8	6.7	19.3	98.5	393.7	719.2	779.7	779.7	719.2	393.7	98.5	19.3	6.7	1.8	0.4								
-10		2.1	7.4	20.6	103.0	406.6	745.1	827.5	827.5	745.1	406.6	103.0	20.6	7.4	2.1									
-20	0.6	2.3	7.5	18.8	73.7	302.8	628.5	802.5	802.5	628.5	302.8	73.7	18.8	7.5	2.3	0.6								
-30		2.2	7.1	15.6	41.2	146.9	350.2	492.8	492.8	350.2	146.9	41.2	15.6	7.1	2.2									
-40	0.5	1.9	6.4	13.0	24.6	52.3	109.4	162.4	162.4	109.4	52.3	24.6	13.0	6.4	1.9	0.5								
-50		1.6	5.3	10.8	18.0	26.5	37.3	44.3	44.3	37.3	26.5	18.0	10.8	5.3	1.6									
-60	0.4	1.2	4.0	8.5	14.1	19.6	24.4	26.7	26.7	24.4	19.6	14.1	8.5	4.0	1.2	0.4								
-70		0.8	2.6	5.8	9.9	14.0	17.7	19.8	19.8	17.7	14.0	9.9	5.8	2.6	0.8									
-80	0.2	2.3	10.4	22.2	28.5	22.2	10.4	2.3	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

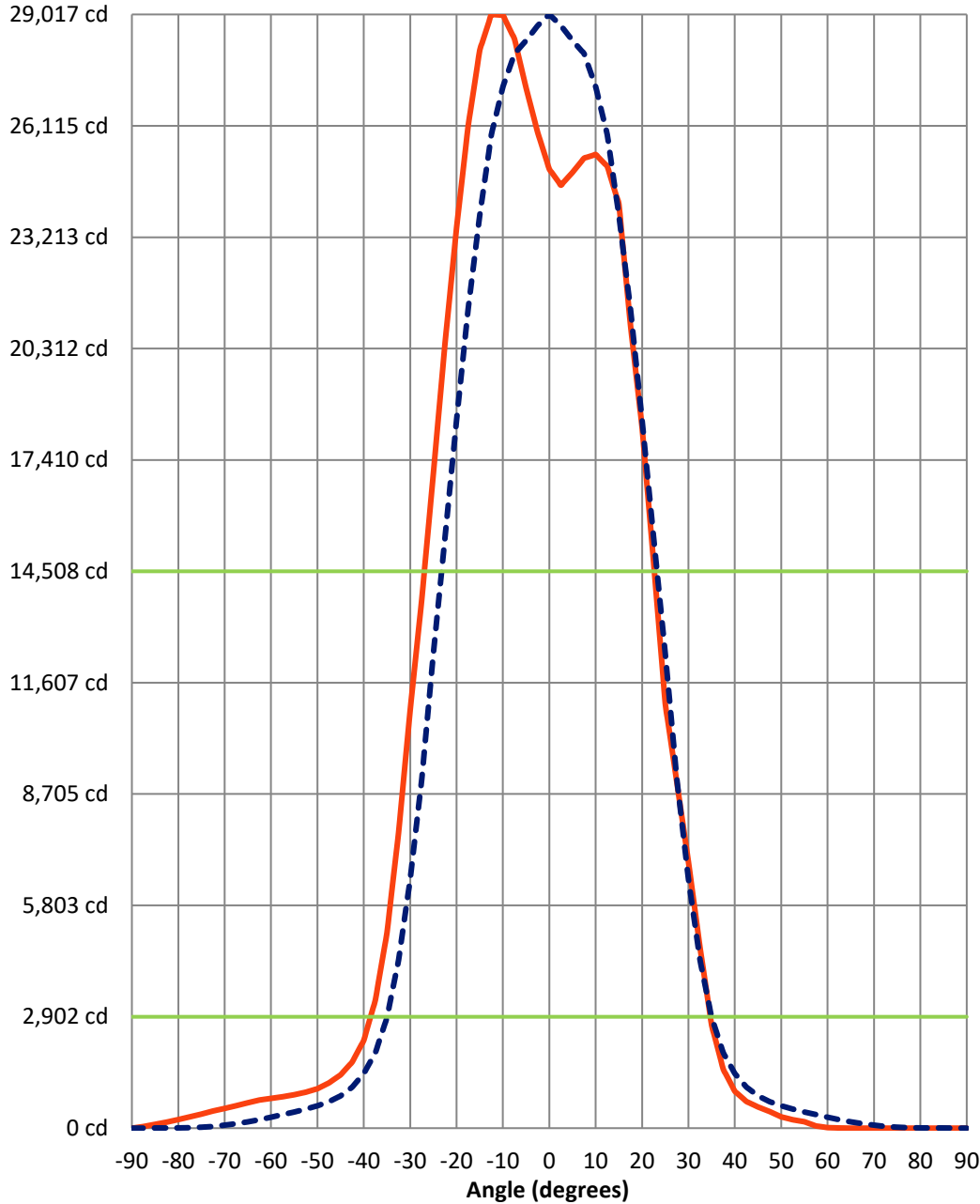
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 13872.6  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 18668.4  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2043.3  
 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	1	1	1	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	2	1
62.5°	0	0	0	2	2	2	1	1	2	2	3
60°	0	0	0	2	3	2	1	2	3	3	4
57.5°	0	0	0	3	3	2	2	3	4	4	5
55°	0	0	1	3	3	2	3	5	4	5	5
52.5°	0	0	1	4	3	2	4	5	5	5	5
50°	0	0	1	4	4	3	4	5	5	5	6
47.5°	0	0	2	5	4	3	5	5	5	5	7
45°	0	0	2	5	4	4	5	6	5	6	8
42.5°	0	0	2	5	4	4	6	6	5	7	10
40°	0	0	3	5	4	5	6	6	6	9	11
37.5°	0	0	3	5	4	5	7	7	8	11	13
35°	0	0	3	5	5	5	7	7	9	13	18
32.5°	0	0	3	5	5	6	8	7	11	17	28
30°	0	0	4	5	5	6	8	8	13	21	38
27.5°	0	0	4	5	5	7	9	9	16	25	47
25°	0	0	4	5	5	7	9	11	19	32	55
22.5°	0	0	4	5	5	8	9	13	23	39	65
20°	0	0	4	5	5	8	9	14	27	46	75
17.5°	0	0	4	5	5	8	10	16	31	51	86
15°	0	0	4	5	5	9	10	18	35	56	96
12.5°	0	0	5	5	5	9	11	21	39	61	106
10°	0	0	5	5	5	9	12	25	43	68	116
7.5°	0	0	5	5	5	9	12	28	46	77	123
5°	0	0	5	5	5	9	13	32	48	85	129
2.5°	0	0	5	5	5	9	14	35	50	93	134
0°	0	0	5	5	5	10	14	38	52	100	138
-2.5°	0	0	5	5	5	10	17	39	59	104	145
-5°	0	0	5	5	6	10	19	41	65	108	152
-7.5°	0	0	5	5	6	11	21	41	71	111	157
-10°	0	0	5	5	6	11	23	42	75	114	161
-12.5°	0	1	5	5	7	12	25	43	79	117	164
-15°	0	1	5	5	7	12	26	43	80	118	166
-17.5°	0	1	4	5	7	12	27	45	79	118	166
-20°	0	1	4	5	7	12	27	46	78	118	164

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CATALOG NUMBER: GFLD-SA5C-722-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	4	5	7	12	27	48	77	116	160
-25°	0	1	4	5	7	13	27	48	76	114	153
-27.5°	0	1	4	5	7	14	27	48	74	110	150
-30°	0	1	4	5	7	15	26	47	73	107	145
-32.5°	0	1	4	5	7	15	26	46	72	104	140
-35°	0	1	4	5	8	15	26	45	70	101	133
-37.5°	0	1	4	5	8	16	26	44	67	98	131
-40°	0	1	4	5	8	16	26	42	63	93	128
-42.5°	0	1	4	5	8	16	26	40	60	89	124
-45°	0	1	4	5	8	16	25	38	57	83	118
-47.5°	0	1	4	5	9	15	24	37	54	77	111
-50°	0	1	4	5	9	15	24	36	52	74	102
-52.5°	0	1	4	6	9	14	23	34	49	70	93
-55°	0	1	4	6	9	14	22	32	47	65	88
-57.5°	0	1	4	6	9	14	21	30	44	61	82
-60°	0	1	4	6	8	13	20	29	41	57	75
-62.5°	0	1	4	6	8	12	19	27	38	52	69
-65°	0	1	4	6	8	11	17	25	35	47	62
-67.5°	0	1	3	6	8	11	16	22	31	42	55
-70°	0	1	3	6	8	10	14	20	27	36	47
-72.5°	0	1	3	5	7	10	13	17	23	31	39
-75°	0	1	2	5	7	9	12	15	19	25	32
-77.5°	0	1	2	4	6	8	11	13	17	20	25
-80°	0	0	2	3	5	7	10	12	14	17	21
-82.5°	0	0	1	2	4	5	7	10	12	14	17
-85°	0	0	1	2	2	4	5	6	8	10	12
-87.5°	0	0	0	1	1	2	2	3	4	5	6
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627606 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-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	0	0	0	0	0	0	0	0	0
67.5°	0	1	2	1	0	0	0	0	0	0	0
65°	2	3	2	1	0	1	2	1	0	0	0
62.5°	4	4	3	2	3	4	3	2	0	1	2
60°	5	4	3	4	5	4	3	3	4	5	11
57.5°	5	4	4	5	5	5	6	7	17	28	32
55°	5	5	5	6	7	8	13	26	40	49	53
52.5°	5	5	7	9	11	18	33	48	61	71	84
50°	6	8	10	13	21	37	55	73	89	104	122
47.5°	8	10	14	21	39	59	81	103	123	144	170
45°	10	15	20	37	59	85	112	137	157	182	205
42.5°	12	23	35	52	83	115	146	166	188	215	246
40°	20	33	50	77	110	148	175	197	220	258	295
37.5°	29	46	66	101	141	178	204	230	265	308	353
35°	40	58	88	127	172	206	235	268	315	365	418
32.5°	51	70	110	154	196	232	265	314	364	419	492
30°	61	88	131	179	219	257	303	357	407	474	560
27.5°	72	107	153	200	240	280	341	394	450	527	630
25°	85	126	174	219	261	311	378	434	492	590	728
22.5°	99	144	194	237	280	343	415	485	561	658	829
20°	115	162	212	258	300	375	455	540	644	780	1002
17.5°	130	178	229	279	331	408	498	599	727	897	1224
15°	143	192	246	300	361	442	541	665	820	1031	1438
12.5°	155	204	262	321	388	473	579	714	897	1200	1712
10°	166	215	278	341	411	500	612	755	960	1322	1916
7.5°	175	227	292	360	432	524	640	788	1015	1417	2076
5°	183	241	305	374	447	544	663	814	1062	1487	2199
2.5°	189	255	315	385	458	559	681	839	1107	1544	2303
0°	195	266	323	395	466	571	695	856	1142	1584	2384
-2.5°	202	272	335	402	480	579	701	869	1153	1590	2367
-5°	207	277	344	408	490	584	702	874	1152	1577	2318
-7.5°	212	279	351	412	496	587	703	871	1140	1551	2239
-10°	215	282	353	418	497	586	700	860	1113	1500	2120
-12.5°	220	285	354	420	497	583	691	841	1070	1423	1967
-15°	223	287	353	420	494	576	676	814	1013	1321	1777
-17.5°	224	287	352	416	490	567	656	782	961	1231	1641
-20°	224	286	350	409	485	557	642	757	917	1145	1476

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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°	222	284	347	403	475	547	626	727	861	1048	1315
-25°	217	281	342	400	465	535	606	694	811	977	1199
-27.5°	210	275	335	394	453	522	588	668	770	898	1076
-30°	199	267	326	385	444	507	571	639	729	840	982
-32.5°	189	258	316	373	432	493	553	616	692	785	896
-35°	182	247	306	360	418	476	534	593	656	738	833
-37.5°	178	235	295	346	401	458	514	569	628	692	779
-40°	172	223	282	334	383	439	492	545	599	664	730
-42.5°	164	214	269	321	368	419	470	521	575	635	697
-45°	158	204	256	304	352	400	449	497	550	606	664
-47.5°	149	193	242	285	332	380	427	475	521	574	629
-50°	138	179	225	266	308	355	403	451	496	541	589
-52.5°	127	164	207	248	286	326	374	423	468	513	555
-55°	115	149	188	228	266	301	344	392	437	481	525
-57.5°	105	134	170	208	245	282	320	362	406	448	491
-60°	97	121	151	186	223	259	297	335	376	416	454
-62.5°	88	108	133	162	197	233	268	304	343	377	412
-65°	79	96	117	141	169	201	235	270	304	335	365
-67.5°	70	85	101	120	144	171	198	230	262	291	320
-70°	60	73	88	103	121	143	168	194	219	245	273
-72.5°	50	62	74	87	103	121	141	161	183	206	229
-75°	41	50	61	72	85	100	116	134	152	170	189
-77.5°	32	40	49	57	67	79	92	106	120	135	149
-80°	25	30	37	44	52	60	69	79	89	101	114
-82.5°	20	24	28	32	38	43	49	56	64	73	81
-85°	14	17	19	22	25	28	32	35	41	46	52
-87.5°	7	8	10	11	12	14	15	17	19	22	25
-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°	1	1	2	2	1	1	2	3	3	3	4
60°	13	9	12	16	15	11	17	19	18	14	15
57.5°	33	36	41	48	53	56	61	66	69	71	73
55°	61	73	86	92	102	118	132	133	135	139	147
52.5°	98	112	119	130	150	163	169	180	192	204	214
50°	142	154	169	187	206	219	223	242	266	285	297
47.5°	187	203	229	261	278	292	311	337	363	391	413
45°	228	257	290	319	341	365	392	423	464	503	533
42.5°	275	308	341	375	399	440	486	523	582	634	667
40°	330	363	411	451	501	553	633	708	783	869	932
37.5°	396	446	514	580	654	730	874	1021	1141	1309	1403
35°	476	553	649	747	866	1050	1259	1543	1838	2084	2321
32.5°	567	666	798	974	1173	1469	1784	2306	2815	3324	3824
30°	657	801	1004	1244	1572	2040	2633	3441	4316	5082	5775
27.5°	778	982	1244	1603	2162	2847	3943	5065	6179	7173	7888
25°	923	1196	1568	2162	2969	4105	5575	6949	8257	9232	10053
22.5°	1133	1543	2070	2827	4291	5872	7630	9359	10828	12057	12866
20°	1393	1947	2829	4201	5923	7899	10162	11981	13790	15173	16408
17.5°	1760	2643	3888	5631	7689	10325	12654	14683	16980	18393	19653
15°	2091	3225	5001	7224	9635	12429	15176	17662	19878	21431	22839
12.5°	2509	3844	5885	8501	11138	14248	17104	19765	21936	23534	24520
10°	2884	4479	6769	9505	12457	15706	18666	21436	23539	24774	25499
7.5°	3186	5007	7485	10364	13480	16751	19877	22626	24639	25672	26167
5°	3421	5398	8046	11068	14305	17651	20842	23533	25228	26082	26359
2.5°	3597	5670	8423	11531	14861	18316	21575	24226	25672	26289	26380
0°	3716	5861	8668	11823	15339	18555	21971	24663	26038	26533	26581
-2.5°	3688	5792	8658	11717	15284	18662	22034	24691	26163	26828	26936
-5°	3613	5629	8370	11418	14849	18232	21448	24254	26060	27064	27509
-7.5°	3468	5348	7880	10845	14145	17531	20811	23722	25800	27213	28083
-10°	3221	4936	7251	10119	13372	16599	19841	22863	25100	26801	28013
-12.5°	2885	4378	6486	9093	12363	15375	18445	21340	23782	25879	27132
-15°	2537	3796	5690	8075	10922	13889	16725	19566	21977	23938	25500
-17.5°	2290	3288	4768	6856	9355	12170	14937	17547	19722	21566	23204
-20°	1977	2717	3890	5645	7846	10307	12957	15280	17223	18951	20516



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CATALOG NUMBER: GFLD-SA5C-722-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°	1727	2327	3174	4372	6349	8519	10687	12825	14652	16191	17527
-25°	1501	1922	2584	3558	4843	6717	8544	10350	12036	13467	14671
-27.5°	1323	1658	2099	2792	3768	4862	6463	7972	9422	10730	11864
-30°	1161	1412	1758	2191	2855	3667	4630	5758	6915	7947	8978
-32.5°	1045	1224	1461	1783	2155	2736	3318	4078	4810	5563	6302
-35°	941	1085	1246	1461	1716	2056	2439	2903	3295	3788	4242
-37.5°	870	971	1094	1230	1412	1602	1861	2143	2386	2660	2891
-40°	810	890	973	1065	1190	1318	1486	1644	1798	1965	2090
-42.5°	761	824	885	955	1029	1132	1245	1343	1437	1535	1617
-45°	722	769	818	873	929	1003	1083	1157	1217	1272	1317
-47.5°	679	722	765	807	856	909	962	1009	1060	1102	1133
-50°	638	680	719	756	798	840	881	919	955	987	1006
-52.5°	598	642	680	713	749	784	818	852	883	911	924
-55°	567	608	646	677	706	736	766	798	828	855	863
-57.5°	534	575	612	640	667	694	722	751	780	805	813
-60°	495	538	571	597	625	654	680	707	733	755	764
-62.5°	449	487	518	544	569	592	621	650	677	699	712
-65°	394	428	456	483	507	530	557	583	608	628	641
-67.5°	347	372	396	420	443	467	492	516	540	557	568
-70°	299	323	346	368	388	409	430	450	470	485	496
-72.5°	252	274	293	312	332	350	368	385	402	415	426
-75°	209	227	243	260	276	290	304	318	331	342	352
-77.5°	164	179	193	207	221	233	243	254	264	273	282
-80°	126	136	147	157	168	177	185	193	200	208	215
-82.5°	90	97	104	111	118	124	130	136	141	147	152
-85°	57	61	65	69	73	76	80	84	87	90	94
-87.5°	27	29	31	33	35	36	38	40	41	43	45
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627606 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-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°	4	5	5	5	5	5	4	4	3	3	3
60°	15	14	14	14	14	14	15	15	14	18	19
57.5°	72	67	62	57	62	67	72	73	71	69	66
55°	155	164	168	167	168	164	155	147	139	135	133
52.5°	221	225	224	219	224	225	221	214	204	192	180
50°	302	302	300	295	300	302	302	297	285	266	242
47.5°	424	430	433	433	433	430	424	413	391	363	337
45°	544	550	553	552	553	550	544	533	503	464	423
42.5°	684	695	698	695	698	695	684	667	634	582	523
40°	969	982	976	961	976	982	969	932	869	783	708
37.5°	1469	1516	1536	1537	1536	1516	1469	1403	1309	1141	1021
35°	2533	2703	2781	2683	2781	2703	2533	2321	2084	1838	1543
32.5°	4231	4531	4701	4701	4701	4531	4231	3824	3324	2815	2306
30°	6299	6675	6887	6932	6887	6675	6299	5775	5082	4316	3441
27.5°	8445	8833	9036	9006	9036	8833	8445	7888	7173	6179	5065
25°	10597	10892	11062	11066	11062	10892	10597	10053	9232	8257	6949
22.5°	13777	14397	14652	14720	14652	14397	13777	12866	12057	10828	9359
20°	17244	17844	18232	18255	18232	17844	17244	16408	15173	13790	11981
17.5°	20546	20844	20899	20924	20899	20844	20546	19653	18393	16980	14683
15°	23659	23764	24039	24074	24039	23764	23659	22839	21431	19878	17662
12.5°	25138	25234	25186	25058	25186	25234	25138	24520	23534	21936	19765
10°	25944	25809	25609	25368	25609	25809	25944	25499	24774	23539	21436
7.5°	26126	25977	25623	25273	25623	25977	26126	26167	25672	24639	22626
5°	26213	25774	25327	24901	25327	25774	26213	26359	26082	25228	23533
2.5°	26162	25639	25026	24568	25026	25639	26162	26380	26289	25672	24226
0°	26329	25801	25158	24987	25158	25801	26329	26581	26533	26038	24663
-2.5°	26793	26365	26030	25939	26030	26365	26793	26936	26828	26163	24691
-5°	27630	27535	26966	27099	26966	27535	27630	27509	27064	26060	24254
-7.5°	28437	28303	28062	28374	28062	28303	28437	28083	27213	25800	23722
-10°	28652	28608	28721	28998	28721	28608	28652	28013	26801	25100	22863
-12.5°	27994	28339	28725	29017	28725	28339	27994	27132	25879	23782	21340
-15°	26526	27232	27810	28084	27810	27232	26526	25500	23938	21977	19566
-17.5°	24364	25229	25915	26110	25915	25229	24364	23204	21566	19722	17547
-20°	21702	22583	23206	23455	23206	22583	21702	20516	18951	17223	15280

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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°	18707	19566	20131	20429	20131	19566	18707	17527	16191	14652	12825
-25°	15667	16423	16924	17056	16924	16423	15667	14671	13467	12036	10350
-27.5°	12760	13368	13737	13778	13737	13368	12760	11864	10730	9422	7972
-30°	9836	10400	10720	10890	10720	10400	9836	8978	7947	6915	5758
-32.5°	6908	7355	7627	7698	7627	7355	6908	6302	5563	4810	4078
-35°	4606	4884	5056	5091	5056	4884	4606	4242	3788	3295	2903
-37.5°	3079	3215	3299	3340	3299	3215	3079	2891	2660	2386	2143
-40°	2182	2245	2281	2288	2281	2245	2182	2090	1965	1798	1644
-42.5°	1669	1701	1718	1722	1718	1701	1669	1617	1535	1437	1343
-45°	1348	1371	1385	1389	1385	1371	1348	1317	1272	1217	1157
-47.5°	1153	1168	1177	1180	1177	1168	1153	1133	1102	1060	1009
-50°	1018	1026	1029	1028	1029	1026	1018	1006	987	955	919
-52.5°	932	938	939	937	939	938	932	924	911	883	852
-55°	869	872	873	871	873	872	869	863	855	828	798
-57.5°	820	825	823	818	823	825	820	813	805	780	751
-60°	772	777	778	776	778	777	772	764	755	733	707
-62.5°	724	733	735	733	735	733	724	712	699	677	650
-65°	654	666	666	661	666	666	654	641	628	608	583
-67.5°	578	587	587	585	587	587	578	568	557	540	516
-70°	506	516	516	514	516	516	506	496	485	470	450
-72.5°	436	445	447	447	447	445	436	426	415	402	385
-75°	361	369	368	366	368	369	361	352	342	331	318
-77.5°	290	298	297	295	297	298	290	282	273	264	254
-80°	221	227	226	224	226	227	221	215	208	200	193
-82.5°	157	161	159	157	159	161	157	152	147	141	136
-85°	97	99	100	100	100	99	97	94	90	87	84
-87.5°	46	47	45	43	45	47	46	45	43	41	40
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627606 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	2	1	1	2	2	1	1	2	1	0	2
60°	17	11	15	16	12	9	13	11	5	4	3
57.5°	61	56	53	48	41	36	33	32	28	17	7
55°	132	118	102	92	86	73	61	53	49	40	26
52.5°	169	163	150	130	119	112	98	84	71	61	48
50°	223	219	206	187	169	154	142	122	104	89	73
47.5°	311	292	278	261	229	203	187	170	144	123	103
45°	392	365	341	319	290	257	228	205	182	157	137
42.5°	486	440	399	375	341	308	275	246	215	188	166
40°	633	553	501	451	411	363	330	295	258	220	197
37.5°	874	730	654	580	514	446	396	353	308	265	230
35°	1259	1050	866	747	649	553	476	418	365	315	268
32.5°	1784	1469	1173	974	798	666	567	492	419	364	314
30°	2633	2040	1572	1244	1004	801	657	560	474	407	357
27.5°	3943	2847	2162	1603	1244	982	778	630	527	450	394
25°	5575	4105	2969	2162	1568	1196	923	728	590	492	434
22.5°	7630	5872	4291	2827	2070	1543	1133	829	658	561	485
20°	10162	7899	5923	4201	2829	1947	1393	1002	780	644	540
17.5°	12654	10325	7689	5631	3888	2643	1760	1224	897	727	599
15°	15176	12429	9635	7224	5001	3225	2091	1438	1031	820	665
12.5°	17104	14248	11138	8501	5885	3844	2509	1712	1200	897	714
10°	18666	15706	12457	9505	6769	4479	2884	1916	1322	960	755
7.5°	19877	16751	13480	10364	7485	5007	3186	2076	1417	1015	788
5°	20842	17651	14305	11068	8046	5398	3421	2199	1487	1062	814
2.5°	21575	18316	14861	11531	8423	5670	3597	2303	1544	1107	839
0°	21971	18555	15339	11823	8668	5861	3716	2384	1584	1142	856
-2.5°	22034	18662	15284	11717	8658	5792	3688	2367	1590	1153	869
-5°	21448	18232	14849	11418	8370	5629	3613	2318	1577	1152	874
-7.5°	20811	17531	14145	10845	7880	5348	3468	2239	1551	1140	871
-10°	19841	16599	13372	10119	7251	4936	3221	2120	1500	1113	860
-12.5°	18445	15375	12363	9093	6486	4378	2885	1967	1423	1070	841
-15°	16725	13889	10922	8075	5690	3796	2537	1777	1321	1013	814
-17.5°	14937	12170	9355	6856	4768	3288	2290	1641	1231	961	782
-20°	12957	10307	7846	5645	3890	2717	1977	1476	1145	917	757

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REPORT NUMBER: P627606 (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°	10687	8519	6349	4372	3174	2327	1727	1315	1048	861	727
-25°	8544	6717	4843	3558	2584	1922	1501	1199	977	811	694
-27.5°	6463	4862	3768	2792	2099	1658	1323	1076	898	770	668
-30°	4630	3667	2855	2191	1758	1412	1161	982	840	729	639
-32.5°	3318	2736	2155	1783	1461	1224	1045	896	785	692	616
-35°	2439	2056	1716	1461	1246	1085	941	833	738	656	593
-37.5°	1861	1602	1412	1230	1094	971	870	779	692	628	569
-40°	1486	1318	1190	1065	973	890	810	730	664	599	545
-42.5°	1245	1132	1029	955	885	824	761	697	635	575	521
-45°	1083	1003	929	873	818	769	722	664	606	550	497
-47.5°	962	909	856	807	765	722	679	629	574	521	475
-50°	881	840	798	756	719	680	638	589	541	496	451
-52.5°	818	784	749	713	680	642	598	555	513	468	423
-55°	766	736	706	677	646	608	567	525	481	437	392
-57.5°	722	694	667	640	612	575	534	491	448	406	362
-60°	680	654	625	597	571	538	495	454	416	376	335
-62.5°	621	592	569	544	518	487	449	412	377	343	304
-65°	557	530	507	483	456	428	394	365	335	304	270
-67.5°	492	467	443	420	396	372	347	320	291	262	230
-70°	430	409	388	368	346	323	299	273	245	219	194
-72.5°	368	350	332	312	293	274	252	229	206	183	161
-75°	304	290	276	260	243	227	209	189	170	152	134
-77.5°	243	233	221	207	193	179	164	149	135	120	106
-80°	185	177	168	157	147	136	126	114	101	89	79
-82.5°	130	124	118	111	104	97	90	81	73	64	56
-85°	80	76	73	69	65	61	57	52	46	41	35
-87.5°	38	36	35	33	31	29	27	25	22	19	17
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627606 (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	0	0	0	0	0	0	0	0
67.5°	0	0	0	1	2	1	0	1	1	0	0
65°	2	1	0	1	2	3	2	1	2	1	0
62.5°	3	4	3	2	3	4	4	3	2	2	1
60°	3	4	5	4	3	4	5	4	3	3	2
57.5°	6	5	5	5	4	4	5	5	4	4	3
55°	13	8	7	6	5	5	5	5	5	4	5
52.5°	33	18	11	9	7	5	5	5	5	5	5
50°	55	37	21	13	10	8	6	6	5	5	5
47.5°	81	59	39	21	14	10	8	7	5	5	5
45°	112	85	59	37	20	15	10	8	6	5	6
42.5°	146	115	83	52	35	23	12	10	7	5	6
40°	175	148	110	77	50	33	20	11	9	6	6
37.5°	204	178	141	101	66	46	29	13	11	8	7
35°	235	206	172	127	88	58	40	18	13	9	7
32.5°	265	232	196	154	110	70	51	28	17	11	7
30°	303	257	219	179	131	88	61	38	21	13	8
27.5°	341	280	240	200	153	107	72	47	25	16	9
25°	378	311	261	219	174	126	85	55	32	19	11
22.5°	415	343	280	237	194	144	99	65	39	23	13
20°	455	375	300	258	212	162	115	75	46	27	14
17.5°	498	408	331	279	229	178	130	86	51	31	16
15°	541	442	361	300	246	192	143	96	56	35	18
12.5°	579	473	388	321	262	204	155	106	61	39	21
10°	612	500	411	341	278	215	166	116	68	43	25
7.5°	640	524	432	360	292	227	175	123	77	46	28
5°	663	544	447	374	305	241	183	129	85	48	32
2.5°	681	559	458	385	315	255	189	134	93	50	35
0°	695	571	466	395	323	266	195	138	100	52	38
-2.5°	701	579	480	402	335	272	202	145	104	59	39
-5°	702	584	490	408	344	277	207	152	108	65	41
-7.5°	703	587	496	412	351	279	212	157	111	71	41
-10°	700	586	497	418	353	282	215	161	114	75	42
-12.5°	691	583	497	420	354	285	220	164	117	79	43
-15°	676	576	494	420	353	287	223	166	118	80	43
-17.5°	656	567	490	416	352	287	224	166	118	79	45
-20°	642	557	485	409	350	286	224	164	118	78	46

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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°	626	547	475	403	347	284	222	160	116	77	48
-25°	606	535	465	400	342	281	217	153	114	76	48
-27.5°	588	522	453	394	335	275	210	150	110	74	48
-30°	571	507	444	385	326	267	199	145	107	73	47
-32.5°	553	493	432	373	316	258	189	140	104	72	46
-35°	534	476	418	360	306	247	182	133	101	70	45
-37.5°	514	458	401	346	295	235	178	131	98	67	44
-40°	492	439	383	334	282	223	172	128	93	63	42
-42.5°	470	419	368	321	269	214	164	124	89	60	40
-45°	449	400	352	304	256	204	158	118	83	57	38
-47.5°	427	380	332	285	242	193	149	111	77	54	37
-50°	403	355	308	266	225	179	138	102	74	52	36
-52.5°	374	326	286	248	207	164	127	93	70	49	34
-55°	344	301	266	228	188	149	115	88	65	47	32
-57.5°	320	282	245	208	170	134	105	82	61	44	30
-60°	297	259	223	186	151	121	97	75	57	41	29
-62.5°	268	233	197	162	133	108	88	69	52	38	27
-65°	235	201	169	141	117	96	79	62	47	35	25
-67.5°	198	171	144	120	101	85	70	55	42	31	22
-70°	168	143	121	103	88	73	60	47	36	27	20
-72.5°	141	121	103	87	74	62	50	39	31	23	17
-75°	116	100	85	72	61	50	41	32	25	19	15
-77.5°	92	79	67	57	49	40	32	25	20	17	13
-80°	69	60	52	44	37	30	25	21	17	14	12
-82.5°	49	43	38	32	28	24	20	17	14	12	10
-85°	32	28	25	22	19	17	14	12	10	8	6
-87.5°	15	14	12	11	10	8	7	6	5	4	3
-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	1	1	1	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	2	2	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	3	3	0	0	0
55°	3	2	3	3	1	0	0
52.5°	4	2	3	4	1	0	0
50°	4	3	4	4	1	0	0
47.5°	5	3	4	5	2	0	0
45°	5	4	4	5	2	0	0
42.5°	6	4	4	5	2	0	0
40°	6	5	4	5	3	0	0
37.5°	7	5	4	5	3	0	0
35°	7	5	5	5	3	0	0
32.5°	8	6	5	5	3	0	0
30°	8	6	5	5	4	0	0
27.5°	9	7	5	5	4	0	0
25°	9	7	5	5	4	0	0
22.5°	9	8	5	5	4	0	0
20°	9	8	5	5	4	0	0
17.5°	10	8	5	5	4	0	0
15°	10	9	5	5	4	0	0
12.5°	11	9	5	5	5	0	0
10°	12	9	5	5	5	0	0
7.5°	12	9	5	5	5	0	0
5°	13	9	5	5	5	0	0
2.5°	14	9	5	5	5	0	0
0°	14	10	5	5	5	0	0
-2.5°	17	10	5	5	5	0	0
-5°	19	10	6	5	5	0	0
-7.5°	21	11	6	5	5	0	0
-10°	23	11	6	5	5	0	0
-12.5°	25	12	7	5	5	1	0
-15°	26	12	7	5	5	1	0
-17.5°	27	12	7	5	4	1	0
-20°	27	12	7	5	4	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27	12	7	5	4	1	0
-25°	27	13	7	5	4	1	0
-27.5°	27	14	7	5	4	1	0
-30°	26	15	7	5	4	1	0
-32.5°	26	15	7	5	4	1	0
-35°	26	15	8	5	4	1	0
-37.5°	26	16	8	5	4	1	0
-40°	26	16	8	5	4	1	0
-42.5°	26	16	8	5	4	1	0
-45°	25	16	8	5	4	1	0
-47.5°	24	15	9	5	4	1	0
-50°	24	15	9	5	4	1	0
-52.5°	23	14	9	6	4	1	0
-55°	22	14	9	6	4	1	0
-57.5°	21	14	9	6	4	1	0
-60°	20	13	8	6	4	1	0
-62.5°	19	12	8	6	4	1	0
-65°	17	11	8	6	4	1	0
-67.5°	16	11	8	6	3	1	0
-70°	14	10	8	6	3	1	0
-72.5°	13	10	7	5	3	1	0
-75°	12	9	7	5	2	1	0
-77.5°	11	8	6	4	2	1	0
-80°	10	7	5	3	2	0	0
-82.5°	7	5	4	2	1	0	0
-85°	5	4	2	2	1	0	0
-87.5°	2	2	1	1	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)