

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: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627506 (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-SA4E-730-U-MWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28857.1 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 40428.4 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 19328.4 lumens
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 26010.2 lumens
Field Efficiency: 90.1%

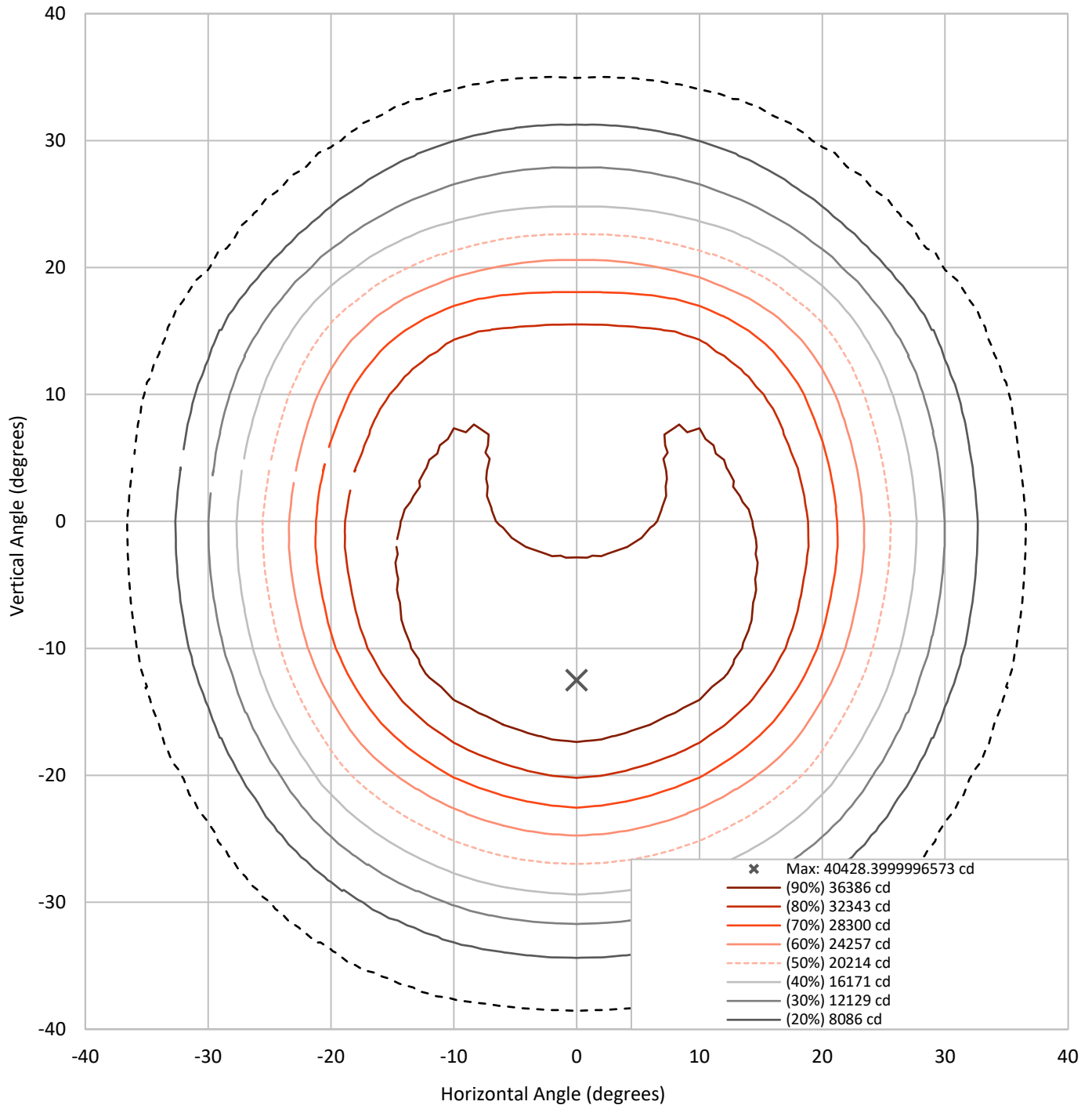
Input Watts (W): 255.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA4E-730-U-MWR-VSR-XX

Iso-Candela Plot





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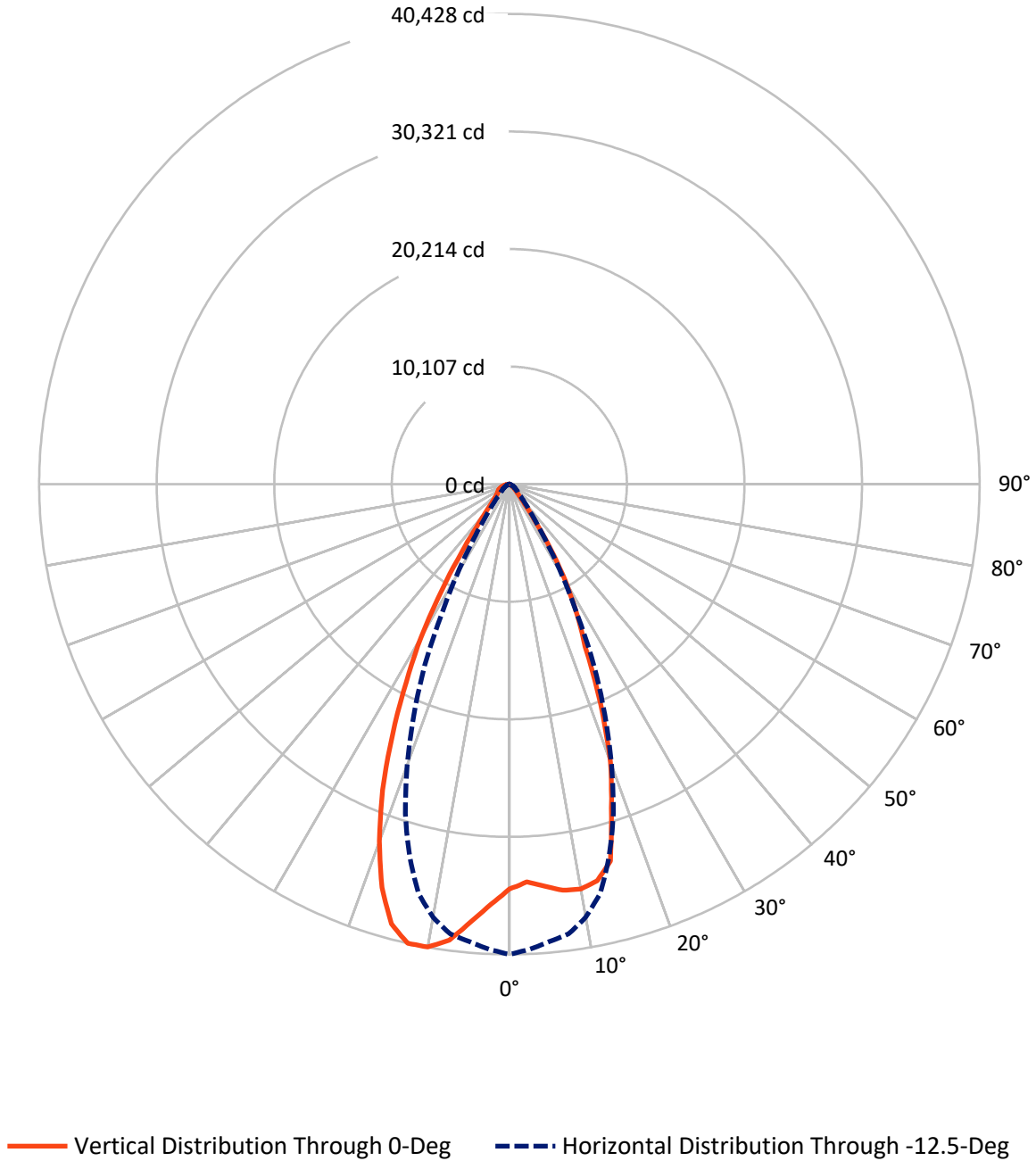
CATALOG NUMBER: GFLD-SA4E-730-U-MWR-VSR-XX

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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1				
50		0.1	0.2	0.9	2.3	4.0	5.5	6.4	6.4	5.5	4.0	2.3	0.9	0.2		0.1			
40	0.2	0.2	1.1	4.1	8.1	13.3	19.8	24.3	24.3	19.8	13.3	8.1	4.1	1.1	0.2	0.2			
30		0.5	3.2	8.4	17.3	37.5	85.2	130.1	130.1	85.2	37.5	17.3	8.4	3.2	0.5				
20	0.3	1.2	5.4	13.5	36.2	134.2	345.4	482.8	482.8	345.4	134.2	36.2	13.5	5.4	1.2	0.3			
10		1.9	7.5	20.8	86.2	372.5	777.1	962.2	962.2	777.1	372.5	86.2	20.8	7.5	1.9				
0	0.6	2.5	9.3	26.9	137.2	548.6	1002.0	1086.3	1086.3	1002.0	548.6	137.2	26.9	9.3	2.5	0.6			
-10		3.0	10.3	28.8	143.5	566.6	1038.1	1152.9	1152.9	1038.1	566.6	143.5	28.8	10.3	3.0				
-20	0.8	3.2	10.4	26.1	102.7	421.8	875.7	1118.2	1118.2	875.7	421.8	102.7	26.1	10.4	3.2	0.8			
-30		3.1	9.9	21.7	57.4	204.7	488.0	686.7	686.7	488.0	204.7	57.4	21.7	9.9	3.1				
-40	0.7	2.7	8.9	18.0	34.3	72.9	152.5	226.2	226.2	152.5	72.9	34.3	18.0	8.9	2.7	0.7			
-50		2.3	7.4	15.0	25.0	37.0	52.0	61.7	61.7	52.0	37.0	25.0	15.0	7.4	2.3				
-60	0.5	1.7	5.6	11.8	19.7	27.2	34.0	37.2	37.2	34.0	27.2	19.7	11.8	5.6	1.7	0.5			
-70		1.2	3.6	8.1	13.8	19.5	24.7	27.6	27.6	24.7	19.5	13.8	8.1	3.6	1.2				
-80	0.2	3.2	14.5	30.9	39.7	30.9	14.5	3.2	0.2						0.2				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

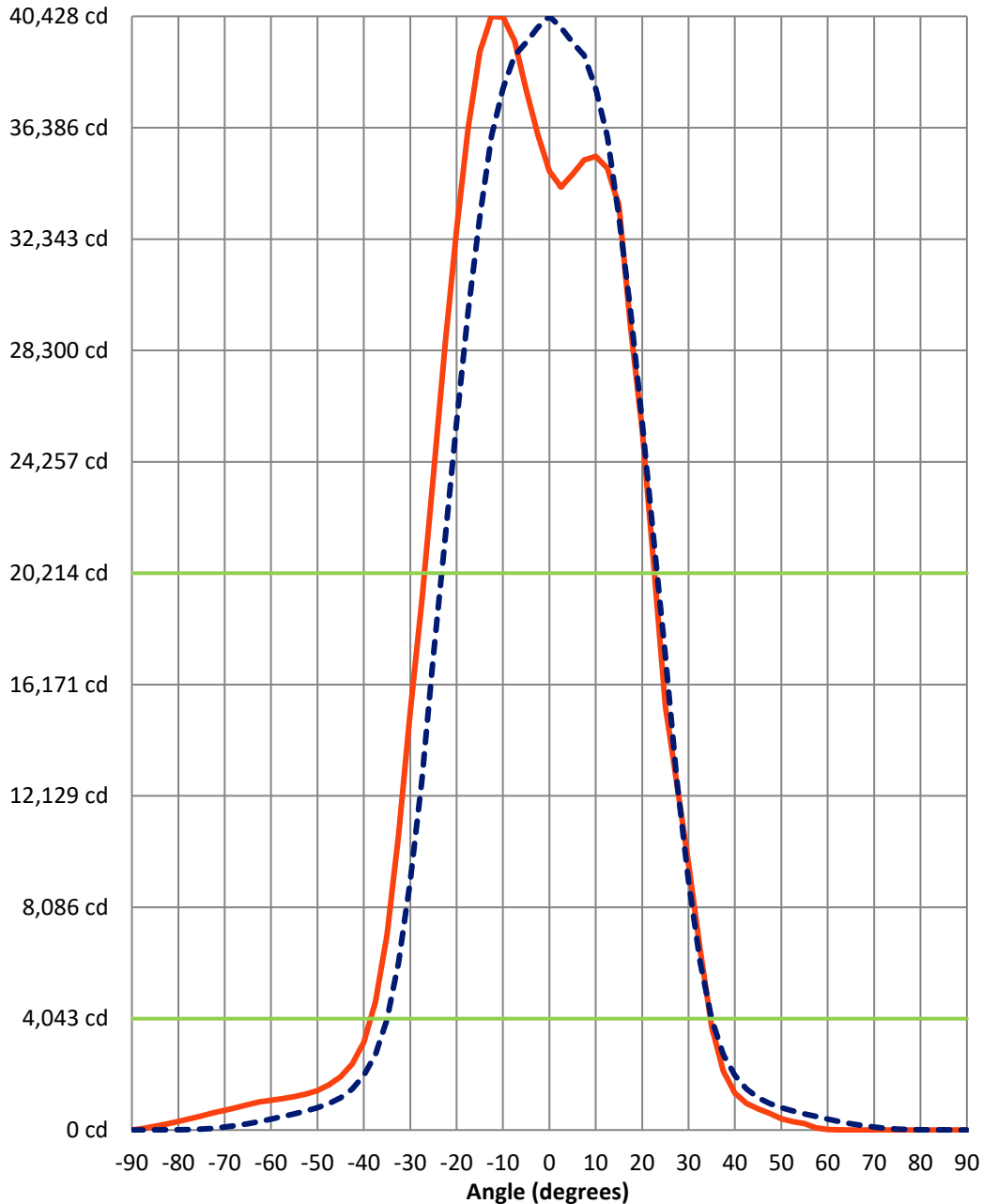
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 19328.4
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 26010.2
 Efficiency: 90.1%

Spill:
 Lumens: 2846.8
 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	1	1	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	3	2	1	0	1	2	2
62.5°	0	0	0	2	3	3	1	1	3	3	4
60°	0	0	0	3	4	3	1	3	5	5	6
57.5°	0	0	0	3	4	3	3	5	6	6	7
55°	0	0	1	4	4	3	4	6	6	7	7
52.5°	0	0	1	5	5	3	5	7	6	7	7
50°	0	0	2	6	5	4	6	7	7	7	8
47.5°	0	0	2	6	5	5	7	7	7	7	9
45°	0	0	3	6	5	5	7	8	7	8	11
42.5°	0	0	3	7	5	6	8	9	7	10	13
40°	0	0	4	7	6	6	9	9	8	12	16
37.5°	0	0	4	7	6	7	9	9	11	15	18
35°	0	0	4	7	6	7	10	10	13	19	25
32.5°	0	0	5	7	6	8	11	10	16	24	40
30°	0	0	5	7	7	8	12	11	18	29	53
27.5°	0	0	5	7	7	9	12	13	22	35	66
25°	0	0	5	7	7	10	12	15	27	45	77
22.5°	0	0	6	7	7	11	13	17	32	55	91
20°	0	0	6	7	7	11	13	20	38	64	105
17.5°	0	0	6	7	7	12	14	22	43	72	119
15°	0	0	6	7	7	12	14	25	49	79	134
12.5°	0	0	6	7	7	12	15	29	55	85	148
10°	0	0	6	7	7	13	16	34	60	95	161
7.5°	0	0	6	7	7	13	17	39	64	107	172
5°	0	0	7	7	7	13	18	44	67	118	180
2.5°	0	0	7	7	7	13	19	49	70	129	187
0°	0	0	7	7	7	13	20	53	73	139	192
-2.5°	0	0	7	7	7	14	23	55	82	145	202
-5°	0	0	7	7	8	15	27	56	91	151	211
-7.5°	0	0	7	7	8	15	30	58	99	155	219
-10°	0	1	6	7	9	16	32	59	105	159	225
-12.5°	0	1	6	7	9	16	35	59	110	163	229
-15°	0	1	6	7	10	16	36	60	111	164	231
-17.5°	0	1	6	7	10	17	37	62	111	165	231
-20°	0	1	6	7	10	17	38	65	109	164	228

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REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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	1	6	7	10	17	38	66	107	162	222
-25°	0	1	6	7	10	18	38	67	105	158	214
-27.5°	0	1	6	7	10	19	38	67	103	154	209
-30°	0	1	6	7	10	20	37	66	101	150	203
-32.5°	0	1	6	7	10	21	36	65	100	145	195
-35°	0	2	6	7	11	22	36	63	97	141	185
-37.5°	0	2	6	7	11	22	36	61	93	136	182
-40°	0	2	5	7	11	22	37	59	87	130	179
-42.5°	0	2	5	7	11	22	36	56	83	124	173
-45°	0	2	5	7	12	22	35	54	80	116	165
-47.5°	0	2	5	7	12	21	34	52	76	107	155
-50°	0	2	5	8	12	21	33	50	72	103	143
-52.5°	0	2	6	8	12	20	32	47	69	97	130
-55°	0	2	6	8	12	20	31	44	65	91	123
-57.5°	0	1	6	8	12	19	29	42	61	85	114
-60°	0	1	6	8	11	18	28	40	57	79	104
-62.5°	0	1	5	8	11	17	26	38	53	72	96
-65°	0	1	5	8	11	16	24	34	48	66	87
-67.5°	0	1	5	8	11	15	22	31	43	58	77
-70°	0	1	4	8	11	14	19	27	38	50	66
-72.5°	0	1	4	7	10	14	18	23	32	43	55
-75°	0	1	3	6	10	13	16	21	26	35	45
-77.5°	0	1	3	5	8	12	15	19	23	28	35
-80°	0	1	2	4	7	10	13	16	20	24	29
-82.5°	0	0	2	3	5	7	10	13	17	20	23
-85°	0	0	1	2	3	5	7	9	11	14	17
-87.5°	0	0	1	1	2	3	3	4	6	7	8
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	2	0	2	2	2	0	0	0
62.5°	6	5	4	3	4	5	4	2	1	2	2
60°	7	6	5	5	7	6	4	5	5	6	16
57.5°	7	6	6	7	7	7	8	9	24	40	44
55°	7	7	7	9	10	12	18	37	55	68	74
52.5°	8	7	10	12	15	25	46	67	85	99	117
50°	9	11	14	18	29	52	77	101	124	145	171
47.5°	11	14	20	29	54	83	113	144	171	201	237
45°	14	21	28	51	82	119	157	191	219	253	286
42.5°	17	32	48	73	116	160	203	231	262	300	343
40°	28	45	70	107	153	206	244	274	307	360	412
37.5°	41	64	92	141	197	248	284	321	369	430	492
35°	55	81	123	177	239	286	327	373	439	509	583
32.5°	71	98	153	215	273	324	370	438	507	584	685
30°	85	123	183	250	305	358	422	498	567	661	780
27.5°	101	149	214	279	335	390	475	549	627	735	877
25°	118	176	242	305	364	433	527	605	686	822	1014
22.5°	139	201	270	330	390	478	579	676	782	918	1154
20°	160	225	295	359	417	522	634	753	897	1086	1397
17.5°	181	247	319	389	462	568	693	834	1013	1249	1705
15°	199	267	342	418	503	616	754	927	1143	1437	2004
12.5°	216	285	365	447	540	659	806	995	1250	1672	2385
10°	231	300	387	475	573	697	852	1052	1338	1841	2670
7.5°	244	317	407	501	601	730	891	1098	1415	1974	2892
5°	255	336	425	521	622	757	924	1135	1480	2072	3064
2.5°	264	355	439	537	638	779	949	1168	1542	2152	3208
0°	272	371	451	550	650	795	968	1193	1591	2207	3321
-2.5°	281	380	466	560	668	807	977	1211	1607	2215	3298
-5°	289	386	479	568	682	814	979	1218	1605	2198	3230
-7.5°	295	389	489	575	691	817	980	1214	1588	2161	3120
-10°	300	393	492	582	693	817	975	1199	1550	2090	2954
-12.5°	307	397	493	586	692	812	962	1172	1491	1983	2740
-15°	311	400	492	585	689	803	941	1135	1412	1840	2476
-17.5°	313	400	490	580	683	790	913	1090	1339	1715	2286
-20°	312	399	487	570	675	777	895	1055	1277	1596	2056

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CATALOG NUMBER: GFLD-SA4E-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°	309	396	483	562	662	763	873	1013	1200	1461	1832
-25°	303	391	477	557	648	746	844	967	1130	1361	1670
-27.5°	292	383	467	549	632	727	820	931	1073	1251	1499
-30°	278	372	455	537	618	707	796	890	1015	1170	1369
-32.5°	263	360	440	520	602	687	770	858	965	1093	1249
-35°	253	344	426	501	582	664	744	826	914	1028	1161
-37.5°	247	327	411	482	558	638	716	793	874	964	1085
-40°	239	310	393	465	534	611	686	760	835	925	1017
-42.5°	229	299	374	447	513	584	655	726	801	884	971
-45°	220	284	356	424	491	557	626	692	766	844	925
-47.5°	207	268	337	397	462	529	596	662	726	799	877
-50°	192	250	313	371	429	495	561	628	691	753	821
-52.5°	177	228	288	345	398	454	522	589	652	714	774
-55°	160	208	262	318	371	420	479	547	610	670	731
-57.5°	147	187	236	289	342	392	446	504	566	624	684
-60°	135	168	210	259	311	361	413	467	523	580	633
-62.5°	122	151	185	226	274	325	374	424	477	525	574
-65°	110	134	162	197	235	280	328	376	424	467	508
-67.5°	97	118	141	167	200	238	276	320	365	406	445
-70°	84	102	122	144	168	199	234	270	305	342	380
-72.5°	70	86	103	121	143	169	196	224	255	288	320
-75°	57	70	85	100	118	139	162	186	211	236	263
-77.5°	45	56	68	80	94	110	128	147	168	188	208
-80°	35	42	52	62	72	84	97	110	125	141	158
-82.5°	28	33	39	45	52	60	68	78	89	101	113
-85°	20	23	26	30	35	39	44	49	57	64	72
-87.5°	10	12	13	15	17	19	21	23	27	30	34
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	2	2	2	2	2	1	3	4	5	5	5
60°	18	13	17	22	21	16	24	27	25	20	21
57.5°	46	50	57	67	74	78	85	92	97	99	102
55°	85	102	120	128	142	164	183	185	188	193	204
52.5°	136	156	165	181	209	227	236	251	268	284	298
50°	198	215	235	260	287	304	310	338	371	398	414
47.5°	260	283	319	363	387	406	434	469	506	545	575
45°	318	358	404	444	475	509	546	590	647	701	742
42.5°	384	429	476	522	556	613	678	729	811	884	929
40°	460	505	572	629	699	770	883	986	1091	1211	1299
37.5°	552	622	716	807	911	1017	1218	1422	1589	1824	1955
35°	663	771	904	1040	1206	1462	1755	2150	2561	2903	3233
32.5°	791	928	1112	1356	1635	2046	2485	3213	3923	4632	5327
30°	916	1116	1398	1733	2190	2842	3669	4794	6013	7080	8046
27.5°	1083	1368	1733	2234	3012	3967	5494	7057	8609	9994	10990
25°	1286	1667	2184	3013	4137	5720	7767	9682	11504	12862	14007
22.5°	1579	2150	2884	3939	5979	8181	10630	13040	15086	16798	17926
20°	1941	2712	3942	5854	8253	11006	14159	16693	19214	21140	22860
17.5°	2453	3682	5417	7846	10712	14385	17631	20458	23658	25626	27382
15°	2913	4494	6967	10066	13424	17317	21145	24607	27696	29860	31822
12.5°	3496	5356	8200	11845	15518	19852	23831	27539	30563	32790	34163
10°	4018	6241	9431	13243	17355	21883	26007	29866	32796	34517	35527
7.5°	4439	6976	10429	14440	18781	23338	27695	31525	34328	35768	36458
5°	4766	7520	11210	15421	19930	24593	29039	32788	35149	36340	36725
2.5°	5011	7900	11736	16066	20706	25520	30059	33754	35768	36627	36755
0°	5177	8167	12077	16472	21371	25852	30611	34363	36279	36968	37034
-2.5°	5138	8070	12062	16325	21294	26001	30699	34402	36452	37378	37529
-5°	5033	7843	11662	15908	20689	25402	29884	33793	36309	37708	38328
-7.5°	4832	7451	10978	15109	19708	24426	28995	33051	35947	37915	39127
-10°	4488	6877	10103	14099	18631	23127	27645	31854	34972	37341	39030
-12.5°	4019	6099	9036	12669	17224	21422	25699	29733	33136	36057	37803
-15°	3535	5290	7928	11251	15217	19351	23303	27260	30620	33352	35529
-17.5°	3190	4580	6643	9552	13035	16956	20812	24447	27479	30047	32330
-20°	2754	3786	5420	7866	10932	14360	18053	21289	23996	26404	28585



REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	2407	3242	4423	6091	8845	11869	14890	17869	20414	22558	24420
-25°	2091	2678	3600	4957	6748	9359	11905	14420	16770	18763	20440
-27.5°	1843	2310	2925	3891	5250	6774	9004	11107	13127	14950	16530
-30°	1618	1968	2449	3053	3977	5109	6451	8023	9634	11073	12509
-32.5°	1456	1705	2036	2484	3002	3812	4623	5681	6701	7750	8781
-35°	1311	1512	1736	2036	2391	2864	3399	4045	4590	5277	5910
-37.5°	1212	1353	1524	1714	1968	2231	2593	2986	3324	3706	4028
-40°	1129	1240	1356	1484	1658	1836	2070	2291	2505	2738	2912
-42.5°	1060	1149	1232	1331	1434	1578	1734	1872	2002	2139	2253
-45°	1005	1071	1139	1216	1294	1398	1509	1611	1696	1773	1835
-47.5°	947	1006	1066	1125	1192	1267	1340	1406	1476	1536	1579
-50°	889	948	1002	1053	1111	1170	1228	1280	1330	1375	1402
-52.5°	833	894	947	994	1043	1092	1139	1187	1230	1270	1288
-55°	791	847	900	943	984	1025	1068	1112	1153	1191	1202
-57.5°	744	801	852	892	930	966	1006	1047	1086	1122	1133
-60°	690	750	795	832	871	911	948	985	1021	1052	1065
-62.5°	626	679	721	758	792	825	866	905	943	974	993
-65°	550	596	636	673	706	739	776	813	847	874	894
-67.5°	483	519	552	585	618	651	686	720	752	776	792
-70°	416	450	482	512	541	570	599	627	655	675	691
-72.5°	352	381	408	435	462	487	512	536	560	578	593
-75°	291	316	339	362	384	405	424	443	461	476	490
-77.5°	229	250	269	289	308	324	339	354	367	380	393
-80°	175	190	205	219	234	246	258	269	279	289	299
-82.5°	126	136	145	155	165	173	181	189	197	204	211
-85°	80	85	91	96	101	107	112	117	121	126	130
-87.5°	38	41	43	46	48	50	53	55	58	60	62
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	6	6	7	7	7	6	6	5	5	5	4
60°	21	20	20	20	20	20	21	21	20	25	27
57.5°	100	93	86	80	86	93	100	102	99	97	92
55°	217	229	234	232	234	229	217	204	193	188	185
52.5°	308	314	312	305	312	314	308	298	284	268	251
50°	421	421	418	411	418	421	421	414	398	371	338
47.5°	591	600	604	603	604	600	591	575	545	506	469
45°	758	767	770	769	770	767	758	742	701	647	590
42.5°	953	968	973	968	973	968	953	929	884	811	729
40°	1351	1368	1360	1339	1360	1368	1351	1299	1211	1091	986
37.5°	2046	2112	2140	2141	2140	2112	2046	1955	1824	1589	1422
35°	3529	3766	3874	3739	3874	3766	3529	3233	2903	2561	2150
32.5°	5895	6313	6549	6549	6549	6313	5895	5327	4632	3923	3213
30°	8777	9301	9595	9658	9595	9301	8777	8046	7080	6013	4794
27.5°	11766	12307	12589	12548	12589	12307	11766	10990	9994	8609	7057
25°	14765	15175	15412	15418	15412	15175	14765	14007	12862	11504	9682
22.5°	19195	20059	20414	20509	20414	20059	19195	17926	16798	15086	13040
20°	24025	24862	25402	25434	25402	24862	24025	22860	21140	19214	16693
17.5°	28626	29042	29118	29153	29118	29042	28626	27382	25626	23658	20458
15°	32964	33110	33493	33541	33493	33110	32964	31822	29860	27696	24607
12.5°	35024	35157	35092	34913	35092	35157	35024	34163	32790	30563	27539
10°	36147	35959	35680	35344	35680	35959	36147	35527	34517	32796	29866
7.5°	36401	36193	35700	35212	35700	36193	36401	36458	35768	34328	31525
5°	36522	35910	35288	34695	35288	35910	36522	36725	36340	35149	32788
2.5°	36451	35723	34868	34231	34868	35723	36451	36755	36627	35768	33754
0°	36683	35947	35052	34814	35052	35947	36683	37034	36968	36279	34363
-2.5°	37331	36734	36267	36140	36267	36734	37331	37529	37378	36452	34402
-5°	38496	38364	37571	37757	37571	38364	38496	38328	37708	36309	33793
-7.5°	39621	39435	39099	39533	39099	39435	39621	39127	37915	35947	33051
-10°	39920	39859	40016	40402	40016	39859	39920	39030	37341	34972	31854
-12.5°	39003	39484	40023	40428	40023	39484	39003	37803	36057	33136	29733
-15°	36958	37941	38747	39129	38747	37941	36958	35529	33352	30620	27260
-17.5°	33946	35151	36106	36378	36106	35151	33946	32330	30047	27479	24447
-20°	30238	31464	32333	32679	32333	31464	30238	28585	26404	23996	21289

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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°	26064	27261	28049	28464	28049	27261	26064	24420	22558	20414	17869
-25°	21829	22881	23580	23764	23580	22881	21829	20440	18763	16770	14420
-27.5°	17779	18625	19140	19197	19140	18625	17779	16530	14950	13127	11107
-30°	13704	14490	14936	15173	14936	14490	13704	12509	11073	9634	8023
-32.5°	9625	10248	10626	10725	10626	10248	9625	8781	7750	6701	5681
-35°	6417	6805	7044	7093	7044	6805	6417	5910	5277	4590	4045
-37.5°	4291	4480	4596	4653	4596	4480	4291	4028	3706	3324	2986
-40°	3040	3129	3178	3188	3178	3129	3040	2912	2738	2505	2291
-42.5°	2325	2370	2393	2400	2393	2370	2325	2253	2139	2002	1872
-45°	1879	1910	1929	1936	1929	1910	1879	1835	1773	1696	1611
-47.5°	1607	1628	1640	1644	1640	1628	1607	1579	1536	1476	1406
-50°	1418	1429	1434	1432	1434	1429	1418	1402	1375	1330	1280
-52.5°	1299	1306	1309	1306	1309	1306	1299	1288	1270	1230	1187
-55°	1210	1216	1216	1213	1216	1216	1210	1202	1191	1153	1112
-57.5°	1142	1149	1147	1140	1147	1149	1142	1133	1122	1086	1047
-60°	1075	1083	1084	1081	1084	1083	1075	1065	1052	1021	985
-62.5°	1008	1021	1023	1021	1023	1021	1008	993	974	943	905
-65°	912	928	928	921	928	928	912	894	874	847	813
-67.5°	805	817	818	815	818	817	805	792	776	752	720
-70°	706	718	719	716	719	718	706	691	675	655	627
-72.5°	607	619	622	623	622	619	607	593	578	560	536
-75°	503	514	513	510	513	514	503	490	476	461	443
-77.5°	404	415	414	411	414	415	404	393	380	367	354
-80°	308	317	315	312	315	317	308	299	289	279	269
-82.5°	218	224	222	219	222	224	218	211	204	197	189
-85°	135	139	139	139	139	139	135	130	126	121	117
-87.5°	64	66	63	60	63	66	64	62	60	58	55
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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	0
65°	0	0	0	0	0	0	0	0	0	0	2
62.5°	3	1	2	2	2	2	2	2	2	1	2
60°	24	16	21	22	17	13	18	16	6	5	5
57.5°	85	78	74	67	57	50	46	44	40	24	9
55°	183	164	142	128	120	102	85	74	68	55	37
52.5°	236	227	209	181	165	156	136	117	99	85	67
50°	310	304	287	260	235	215	198	171	145	124	101
47.5°	434	406	387	363	319	283	260	237	201	171	144
45°	546	509	475	444	404	358	318	286	253	219	191
42.5°	678	613	556	522	476	429	384	343	300	262	231
40°	883	770	699	629	572	505	460	412	360	307	274
37.5°	1218	1017	911	807	716	622	552	492	430	369	321
35°	1755	1462	1206	1040	904	771	663	583	509	439	373
32.5°	2485	2046	1635	1356	1112	928	791	685	584	507	438
30°	3669	2842	2190	1733	1398	1116	916	780	661	567	498
27.5°	5494	3967	3012	2234	1733	1368	1083	877	735	627	549
25°	7767	5720	4137	3013	2184	1667	1286	1014	822	686	605
22.5°	10630	8181	5979	3939	2884	2150	1579	1154	918	782	676
20°	14159	11006	8253	5854	3942	2712	1941	1397	1086	897	753
17.5°	17631	14385	10712	7846	5417	3682	2453	1705	1249	1013	834
15°	21145	17317	13424	10066	6967	4494	2913	2004	1437	1143	927
12.5°	23831	19852	15518	11845	8200	5356	3496	2385	1672	1250	995
10°	26007	21883	17355	13243	9431	6241	4018	2670	1841	1338	1052
7.5°	27695	23338	18781	14440	10429	6976	4439	2892	1974	1415	1098
5°	29039	24593	19930	15421	11210	7520	4766	3064	2072	1480	1135
2.5°	30059	25520	20706	16066	11736	7900	5011	3208	2152	1542	1168
0°	30611	25852	21371	16472	12077	8167	5177	3321	2207	1591	1193
-2.5°	30699	26001	21294	16325	12062	8070	5138	3298	2215	1607	1211
-5°	29884	25402	20689	15908	11662	7843	5033	3230	2198	1605	1218
-7.5°	28995	24426	19708	15109	10978	7451	4832	3120	2161	1588	1214
-10°	27645	23127	18631	14099	10103	6877	4488	2954	2090	1550	1199
-12.5°	25699	21422	17224	12669	9036	6099	4019	2740	1983	1491	1172
-15°	23303	19351	15217	11251	7928	5290	3535	2476	1840	1412	1135
-17.5°	20812	16956	13035	9552	6643	4580	3190	2286	1715	1339	1090
-20°	18053	14360	10932	7866	5420	3786	2754	2056	1596	1277	1055

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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°	14890	11869	8845	6091	4423	3242	2407	1832	1461	1200	1013
-25°	11905	9359	6748	4957	3600	2678	2091	1670	1361	1130	967
-27.5°	9004	6774	5250	3891	2925	2310	1843	1499	1251	1073	931
-30°	6451	5109	3977	3053	2449	1968	1618	1369	1170	1015	890
-32.5°	4623	3812	3002	2484	2036	1705	1456	1249	1093	965	858
-35°	3399	2864	2391	2036	1736	1512	1311	1161	1028	914	826
-37.5°	2593	2231	1968	1714	1524	1353	1212	1085	964	874	793
-40°	2070	1836	1658	1484	1356	1240	1129	1017	925	835	760
-42.5°	1734	1578	1434	1331	1232	1149	1060	971	884	801	726
-45°	1509	1398	1294	1216	1139	1071	1005	925	844	766	692
-47.5°	1340	1267	1192	1125	1066	1006	947	877	799	726	662
-50°	1228	1170	1111	1053	1002	948	889	821	753	691	628
-52.5°	1139	1092	1043	994	947	894	833	774	714	652	589
-55°	1068	1025	984	943	900	847	791	731	670	610	547
-57.5°	1006	966	930	892	852	801	744	684	624	566	504
-60°	948	911	871	832	795	750	690	633	580	523	467
-62.5°	866	825	792	758	721	679	626	574	525	477	424
-65°	776	739	706	673	636	596	550	508	467	424	376
-67.5°	686	651	618	585	552	519	483	445	406	365	320
-70°	599	570	541	512	482	450	416	380	342	305	270
-72.5°	512	487	462	435	408	381	352	320	288	255	224
-75°	424	405	384	362	339	316	291	263	236	211	186
-77.5°	339	324	308	289	269	250	229	208	188	168	147
-80°	258	246	234	219	205	190	175	158	141	125	110
-82.5°	181	173	165	155	145	136	126	113	101	89	78
-85°	112	107	101	96	91	85	80	72	64	57	49
-87.5°	53	50	48	46	43	41	38	34	30	27	23
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	1	2	2	0	1	1	0	0
65°	2	2	0	2	3	4	3	2	2	1	0
62.5°	4	5	4	3	4	5	6	4	3	3	1
60°	4	6	7	5	5	6	7	6	5	5	3
57.5°	8	7	7	7	6	6	7	7	6	6	5
55°	18	12	10	9	7	7	7	7	7	6	6
52.5°	46	25	15	12	10	7	8	7	7	6	7
50°	77	52	29	18	14	11	9	8	7	7	7
47.5°	113	83	54	29	20	14	11	9	7	7	7
45°	157	119	82	51	28	21	14	11	8	7	8
42.5°	203	160	116	73	48	32	17	13	10	7	9
40°	244	206	153	107	70	45	28	16	12	8	9
37.5°	284	248	197	141	92	64	41	18	15	11	9
35°	327	286	239	177	123	81	55	25	19	13	10
32.5°	370	324	273	215	153	98	71	40	24	16	10
30°	422	358	305	250	183	123	85	53	29	18	11
27.5°	475	390	335	279	214	149	101	66	35	22	13
25°	527	433	364	305	242	176	118	77	45	27	15
22.5°	579	478	390	330	270	201	139	91	55	32	17
20°	634	522	417	359	295	225	160	105	64	38	20
17.5°	693	568	462	389	319	247	181	119	72	43	22
15°	754	616	503	418	342	267	199	134	79	49	25
12.5°	806	659	540	447	365	285	216	148	85	55	29
10°	852	697	573	475	387	300	231	161	95	60	34
7.5°	891	730	601	501	407	317	244	172	107	64	39
5°	924	757	622	521	425	336	255	180	118	67	44
2.5°	949	779	638	537	439	355	264	187	129	70	49
0°	968	795	650	550	451	371	272	192	139	73	53
-2.5°	977	807	668	560	466	380	281	202	145	82	55
-5°	979	814	682	568	479	386	289	211	151	91	56
-7.5°	980	817	691	575	489	389	295	219	155	99	58
-10°	975	817	693	582	492	393	300	225	159	105	59
-12.5°	962	812	692	586	493	397	307	229	163	110	59
-15°	941	803	689	585	492	400	311	231	164	111	60
-17.5°	913	790	683	580	490	400	313	231	165	111	62
-20°	895	777	675	570	487	399	312	228	164	109	65

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CATALOG NUMBER: GFLD-SA4E-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°
-22.5°	873	763	662	562	483	396	309	222	162	107	66
-25°	844	746	648	557	477	391	303	214	158	105	67
-27.5°	820	727	632	549	467	383	292	209	154	103	67
-30°	796	707	618	537	455	372	278	203	150	101	66
-32.5°	770	687	602	520	440	360	263	195	145	100	65
-35°	744	664	582	501	426	344	253	185	141	97	63
-37.5°	716	638	558	482	411	327	247	182	136	93	61
-40°	686	611	534	465	393	310	239	179	130	87	59
-42.5°	655	584	513	447	374	299	229	173	124	83	56
-45°	626	557	491	424	356	284	220	165	116	80	54
-47.5°	596	529	462	397	337	268	207	155	107	76	52
-50°	561	495	429	371	313	250	192	143	103	72	50
-52.5°	522	454	398	345	288	228	177	130	97	69	47
-55°	479	420	371	318	262	208	160	123	91	65	44
-57.5°	446	392	342	289	236	187	147	114	85	61	42
-60°	413	361	311	259	210	168	135	104	79	57	40
-62.5°	374	325	274	226	185	151	122	96	72	53	38
-65°	328	280	235	197	162	134	110	87	66	48	34
-67.5°	276	238	200	167	141	118	97	77	58	43	31
-70°	234	199	168	144	122	102	84	66	50	38	27
-72.5°	196	169	143	121	103	86	70	55	43	32	23
-75°	162	139	118	100	85	70	57	45	35	26	21
-77.5°	128	110	94	80	68	56	45	35	28	23	19
-80°	97	84	72	62	52	42	35	29	24	20	16
-82.5°	68	60	52	45	39	33	28	23	20	17	13
-85°	44	39	35	30	26	23	20	17	14	11	9
-87.5°	21	19	17	15	13	12	10	8	7	6	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-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	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	3	1	0	0	0
62.5°	1	3	3	2	0	0	0
60°	1	3	4	3	0	0	0
57.5°	3	3	4	3	0	0	0
55°	4	3	4	4	1	0	0
52.5°	5	3	5	5	1	0	0
50°	6	4	5	6	2	0	0
47.5°	7	5	5	6	2	0	0
45°	7	5	5	6	3	0	0
42.5°	8	6	5	7	3	0	0
40°	9	6	6	7	4	0	0
37.5°	9	7	6	7	4	0	0
35°	10	7	6	7	4	0	0
32.5°	11	8	6	7	5	0	0
30°	12	8	7	7	5	0	0
27.5°	12	9	7	7	5	0	0
25°	12	10	7	7	5	0	0
22.5°	13	11	7	7	6	0	0
20°	13	11	7	7	6	0	0
17.5°	14	12	7	7	6	0	0
15°	14	12	7	7	6	0	0
12.5°	15	12	7	7	6	0	0
10°	16	13	7	7	6	0	0
7.5°	17	13	7	7	6	0	0
5°	18	13	7	7	7	0	0
2.5°	19	13	7	7	7	0	0
0°	20	13	7	7	7	0	0
-2.5°	23	14	7	7	7	0	0
-5°	27	15	8	7	7	0	0
-7.5°	30	15	8	7	7	0	0
-10°	32	16	9	7	6	1	0
-12.5°	35	16	9	7	6	1	0
-15°	36	16	10	7	6	1	0
-17.5°	37	17	10	7	6	1	0
-20°	38	17	10	7	6	1	0

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REPORT NUMBER: P627506 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	38	17	10	7	6	1	0
-25°	38	18	10	7	6	1	0
-27.5°	38	19	10	7	6	1	0
-30°	37	20	10	7	6	1	0
-32.5°	36	21	10	7	6	1	0
-35°	36	22	11	7	6	2	0
-37.5°	36	22	11	7	6	2	0
-40°	37	22	11	7	5	2	0
-42.5°	36	22	11	7	5	2	0
-45°	35	22	12	7	5	2	0
-47.5°	34	21	12	7	5	2	0
-50°	33	21	12	8	5	2	0
-52.5°	32	20	12	8	6	2	0
-55°	31	20	12	8	6	2	0
-57.5°	29	19	12	8	6	1	0
-60°	28	18	11	8	6	1	0
-62.5°	26	17	11	8	5	1	0
-65°	24	16	11	8	5	1	0
-67.5°	22	15	11	8	5	1	0
-70°	19	14	11	8	4	1	0
-72.5°	18	14	10	7	4	1	0
-75°	16	13	10	6	3	1	0
-77.5°	15	12	8	5	3	1	0
-80°	13	10	7	4	2	1	0
-82.5°	10	7	5	3	2	0	0
-85°	7	5	3	2	1	0	0
-87.5°	3	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)