

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: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627686 (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-730-U-MWR-VSR-XX
 Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
 WITH VISOR
 Light Source: (80) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	31950.7 lumens	Max Intensity:	44762.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	117.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

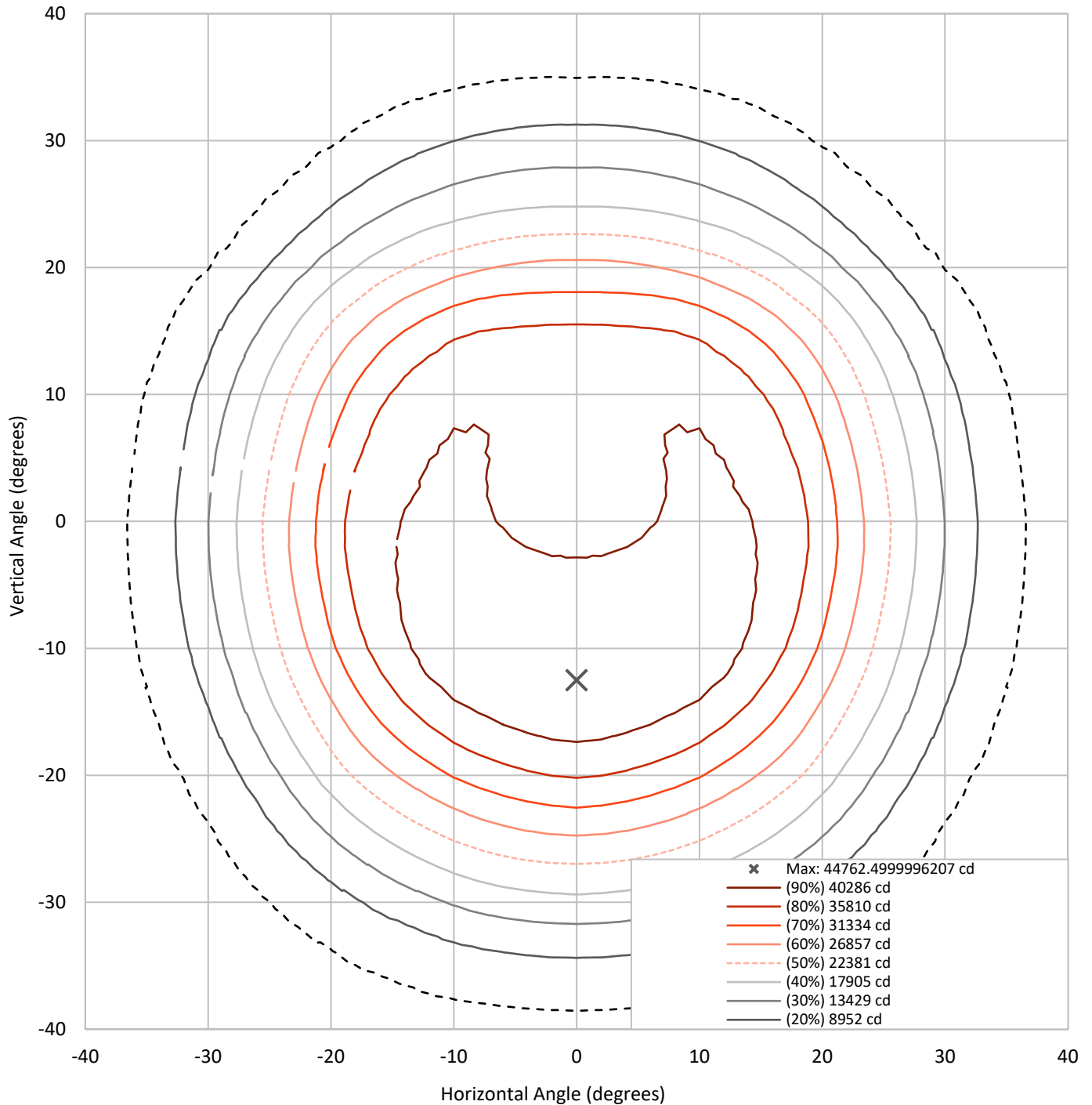
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	21400.5 lumens	Field Lumens:	28798.6 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%

Input Watts (W): 271.3
 Input Voltage (V): 120
 Input Current (A_{in}): 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: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





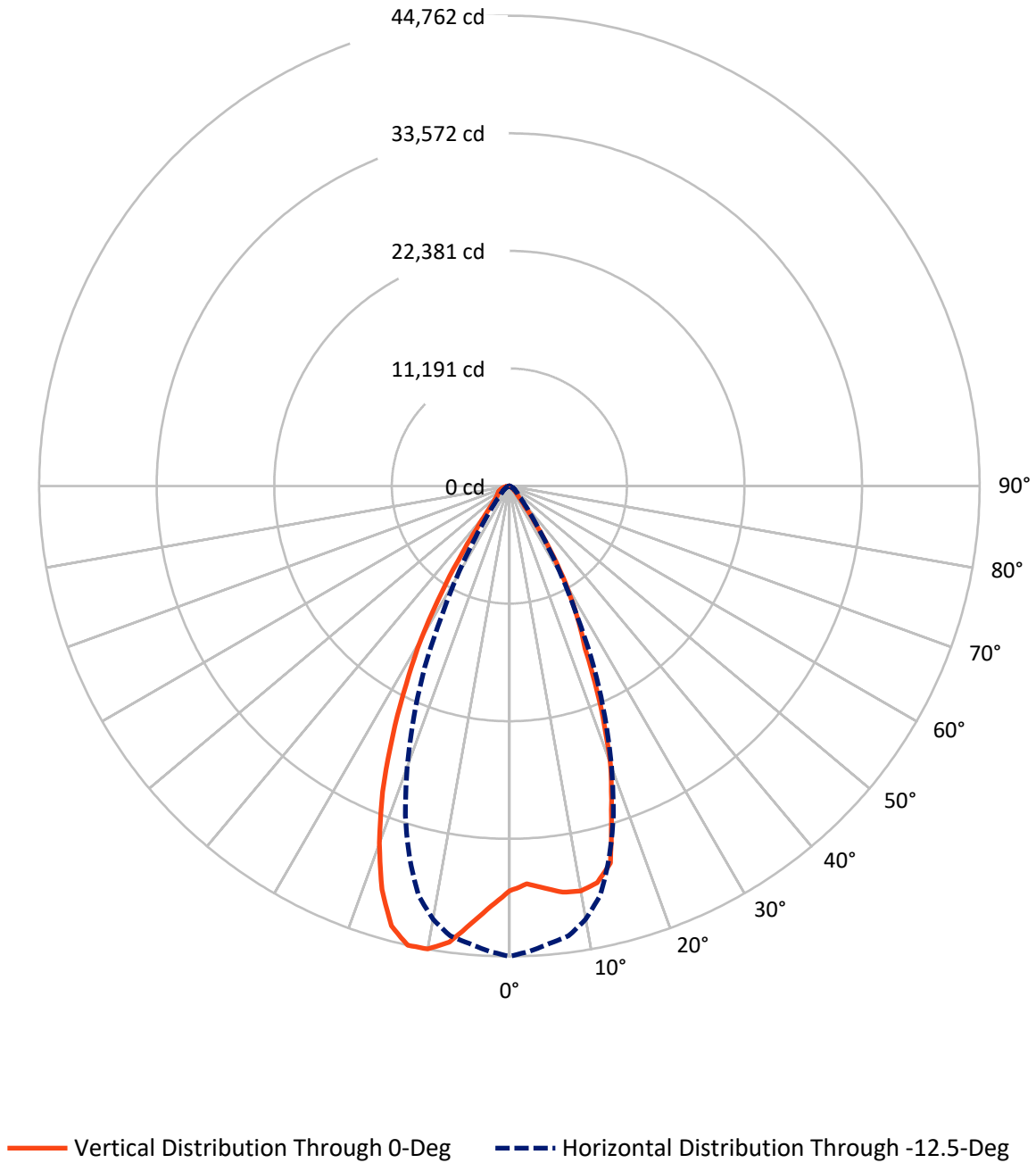
REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0				
50		0.1	0.2	1.0	2.6	4.4	6.1	7.1	7.1	6.1	4.4	2.6	1.0	0.2	0.1				
40	0.2	0.2	1.2	4.5	9.0	14.7	21.9	26.9	26.9	21.9	14.7	9.0	4.5	1.2	0.2				
30		0.6	3.6	9.3	19.2	41.5	94.3	144.0	144.0	94.3	41.5	19.2	9.3	3.6	0.6				
20	0.3	1.3	6.0	14.9	40.1	148.5	382.5	534.6	534.6	382.5	148.5	40.1	14.9	6.0	1.3				
10		2.1	8.3	23.1	95.4	412.5	860.4	1065.3	1065.3	860.4	412.5	95.4	23.1	8.3	2.1				
0	0.7	2.8	10.3	29.7	151.9	607.4	1109.4	1202.7	1202.7	1109.4	607.4	151.9	29.7	10.3	2.8				
-10		3.3	11.4	31.8	158.9	627.3	1149.4	1276.5	1276.5	1149.4	627.3	158.9	31.8	11.4	3.3				
-20	0.9	3.5	11.5	28.9	113.7	467.1	969.6	1238.0	1238.0	969.6	467.1	113.7	28.9	11.5	3.5				
-30		3.4	11.0	24.1	63.6	226.6	540.3	760.3	760.3	540.3	226.6	63.6	24.1	11.0	3.4				
-40	0.8	3.0	9.8	20.0	37.9	80.7	168.8	250.5	250.5	168.8	80.7	37.9	20.0	9.8	3.0				
-50		2.5	8.2	16.7	27.7	40.9	57.6	68.3	68.3	57.6	40.9	27.7	16.7	8.2	2.5				
-60	0.6	1.9	6.2	13.1	21.8	30.2	37.6	41.2	41.2	37.6	30.2	21.8	13.1	6.2	1.9				
-70		1.3	4.0	8.9	15.3	21.6	27.3	30.5	30.5	27.3	21.6	15.3	8.9	4.0	1.3				
-80	0.2	3.5	16.1	34.3	43.9	34.3	16.1	3.5	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

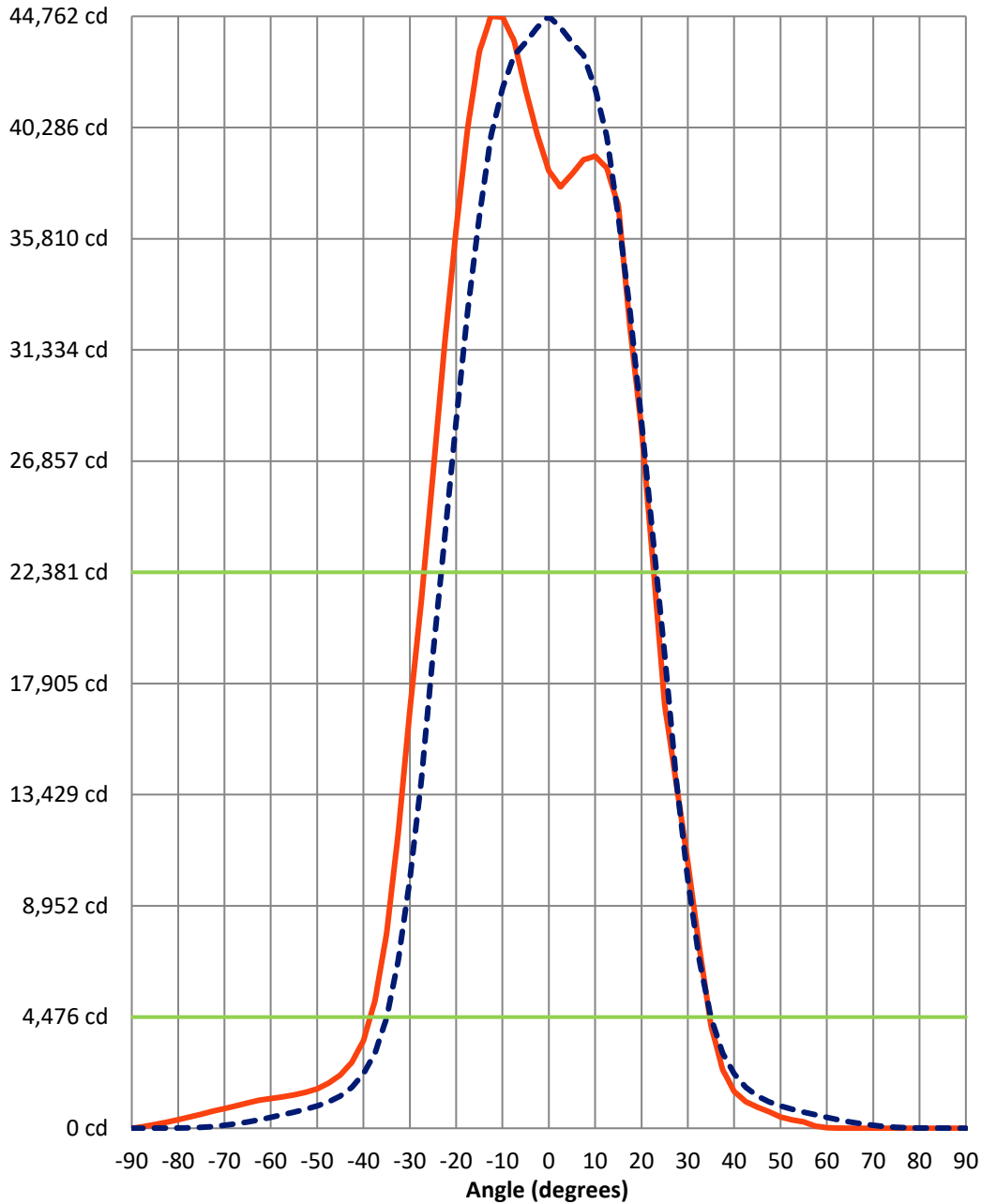
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 21400.5
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 28798.6
 Efficiency: 90.1%

Spill:
 Lumens: 3152
 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	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	2	2
62.5°	0	0	0	2	4	3	1	1	3	4	5
60°	0	0	0	3	5	3	1	3	5	5	7
57.5°	0	0	1	4	5	3	3	5	6	7	7
55°	0	0	1	5	5	3	4	7	7	7	7
52.5°	0	0	2	5	5	4	5	7	7	7	7
50°	0	0	2	6	5	5	6	8	7	7	9
47.5°	0	0	3	7	6	5	7	8	7	7	10
45°	0	0	3	7	6	6	8	9	8	9	12
42.5°	0	0	3	7	6	6	9	10	8	11	15
40°	0	0	4	7	6	7	10	10	9	13	18
37.5°	0	0	4	7	7	7	10	10	12	17	20
35°	0	0	5	7	7	8	11	11	15	21	27
32.5°	0	0	5	7	7	9	12	11	17	26	44
30°	0	0	5	7	7	9	13	12	20	32	59
27.5°	0	0	6	7	7	10	13	15	24	39	73
25°	0	0	6	7	7	11	14	17	30	50	85
22.5°	0	0	6	7	7	12	14	19	35	60	100
20°	0	0	6	7	7	12	15	22	42	70	116
17.5°	0	0	7	7	7	13	15	24	48	79	132
15°	0	0	7	7	7	13	16	27	54	87	148
12.5°	0	0	7	7	7	14	17	32	61	94	164
10°	0	0	7	7	7	14	18	38	66	106	179
7.5°	0	0	7	7	7	14	19	43	71	118	190
5°	0	0	7	7	7	15	20	49	75	131	200
2.5°	0	0	7	7	7	15	21	54	78	143	207
0°	0	0	7	7	7	15	22	59	81	154	213
-2.5°	0	0	7	7	8	15	26	61	91	161	224
-5°	0	0	7	7	9	16	30	62	101	167	234
-7.5°	0	0	7	7	9	17	33	64	109	172	242
-10°	0	1	7	7	10	17	36	65	116	176	249
-12.5°	0	1	7	7	10	18	38	66	121	180	253
-15°	0	1	7	7	11	18	40	67	123	182	256
-17.5°	0	1	7	7	11	19	41	69	122	182	256
-20°	0	1	7	7	11	19	42	72	121	181	252

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CATALOG NUMBER: GFLD-SA5D-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	7	7	11	19	42	73	119	179	246
-25°	0	1	7	7	11	20	42	74	117	175	237
-27.5°	0	1	6	7	11	21	42	74	114	170	231
-30°	0	2	6	7	11	23	41	73	112	166	224
-32.5°	0	2	6	7	11	23	40	71	111	161	215
-35°	0	2	6	7	12	24	40	70	108	156	205
-37.5°	0	2	6	7	12	24	40	67	103	150	202
-40°	0	2	6	7	12	24	40	65	97	144	198
-42.5°	0	2	6	7	12	24	40	62	92	137	192
-45°	0	2	6	8	13	24	39	59	88	128	183
-47.5°	0	2	6	8	13	24	38	58	84	119	171
-50°	0	2	6	8	13	23	37	55	80	114	158
-52.5°	0	2	6	9	14	22	36	52	76	108	144
-55°	0	2	6	9	13	22	34	49	72	101	136
-57.5°	0	2	6	9	13	21	33	47	68	94	126
-60°	0	2	6	9	13	20	31	45	63	88	116
-62.5°	0	1	6	9	13	19	29	42	59	80	106
-65°	0	1	6	9	12	18	27	38	53	73	96
-67.5°	0	1	5	9	12	16	24	34	47	64	85
-70°	0	1	5	9	12	16	21	30	42	55	73
-72.5°	0	1	4	8	11	15	20	26	36	47	61
-75°	0	1	4	7	11	14	18	23	29	39	50
-77.5°	0	1	3	6	9	13	16	21	25	31	39
-80°	0	1	2	5	8	11	15	18	22	27	32
-82.5°	0	0	2	4	6	8	11	15	18	22	26
-85°	0	0	1	2	4	6	8	10	13	15	19
-87.5°	0	0	1	1	2	3	4	5	6	8	9
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-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	2	0	0	0	0	0	0	0
65°	4	5	4	2	0	2	2	2	0	0	0
62.5°	7	6	4	3	4	6	4	3	1	2	3
60°	7	6	5	6	7	7	5	5	6	7	17
57.5°	7	7	7	8	8	8	9	10	26	44	49
55°	8	7	8	10	11	13	19	41	61	76	82
52.5°	8	8	11	14	17	28	51	75	94	109	129
50°	9	12	15	20	32	57	85	112	137	161	189
47.5°	12	15	22	32	59	92	126	160	189	222	262
45°	15	24	32	57	91	131	173	211	242	281	316
42.5°	19	36	54	81	129	177	225	256	290	332	379
40°	30	50	77	118	170	228	270	303	340	398	456
37.5°	45	71	102	156	218	274	315	356	409	476	545
35°	61	90	136	196	265	317	362	413	487	564	645
32.5°	78	108	169	238	303	358	409	485	561	647	759
30°	94	136	203	277	338	396	468	551	628	732	863
27.5°	112	165	237	309	371	432	526	607	695	813	971
25°	131	195	268	338	403	479	583	670	759	910	1123
22.5°	153	223	299	365	432	530	641	748	865	1016	1278
20°	178	250	326	398	462	578	702	834	993	1203	1546
17.5°	200	274	353	431	511	629	768	924	1122	1383	1888
15°	220	296	379	463	557	682	835	1026	1266	1591	2218
12.5°	239	315	404	495	598	730	893	1101	1384	1852	2641
10°	256	332	428	526	634	772	944	1165	1481	2039	2956
7.5°	270	351	451	555	666	808	987	1216	1566	2186	3202
5°	282	372	470	577	689	839	1023	1256	1638	2294	3392
2.5°	292	393	486	595	706	862	1051	1294	1707	2382	3552
0°	301	411	499	609	719	881	1071	1321	1761	2444	3677
-2.5°	311	420	516	620	740	893	1081	1341	1779	2453	3652
-5°	320	427	531	629	756	901	1084	1349	1777	2433	3576
-7.5°	327	431	541	636	765	905	1085	1344	1758	2393	3455
-10°	332	435	545	644	767	904	1079	1327	1716	2314	3271
-12.5°	339	440	546	648	766	899	1065	1298	1651	2196	3034
-15°	344	442	545	648	763	889	1042	1256	1563	2038	2741
-17.5°	346	443	543	642	756	875	1011	1207	1482	1899	2531
-20°	346	442	539	631	748	860	991	1168	1414	1767	2276

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CATALOG NUMBER: GFLD-SA5D-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°	342	438	535	622	733	845	966	1122	1328	1617	2029
-25°	335	433	528	617	717	826	935	1071	1251	1507	1849
-27.5°	324	424	517	608	699	805	907	1031	1189	1385	1659
-30°	308	412	503	594	684	783	881	986	1124	1295	1516
-32.5°	292	398	488	576	667	760	853	950	1068	1211	1383
-35°	281	380	471	555	644	735	824	914	1012	1138	1286
-37.5°	274	362	455	533	618	707	792	878	968	1068	1201
-40°	265	344	435	515	591	677	760	841	924	1024	1126
-42.5°	254	331	415	495	568	647	726	804	887	979	1075
-45°	243	315	395	470	543	617	693	766	848	935	1024
-47.5°	229	297	373	440	512	586	659	732	804	885	971
-50°	213	277	346	411	475	548	621	695	766	834	909
-52.5°	196	253	319	382	441	502	578	652	722	791	857
-55°	177	230	290	352	411	465	530	605	675	741	810
-57.5°	162	207	262	320	379	435	494	558	627	691	758
-60°	149	186	232	287	345	400	458	517	579	642	701
-62.5°	135	167	205	250	304	360	414	470	529	582	635
-65°	122	148	180	218	260	310	363	416	470	517	562
-67.5°	108	131	156	185	222	264	306	354	404	450	493
-70°	93	113	135	159	186	221	260	299	338	379	421
-72.5°	77	95	114	134	158	187	217	249	283	318	354
-75°	63	77	94	111	131	154	179	206	234	262	291
-77.5°	50	62	75	88	104	122	142	163	185	208	230
-80°	39	47	57	68	80	93	107	121	138	156	175
-82.5°	31	36	43	50	58	66	76	86	99	112	125
-85°	22	26	29	34	38	43	49	55	63	71	80
-87.5°	11	13	15	17	19	21	24	26	30	34	38
-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	5	5	6
60°	20	14	19	24	23	18	26	30	27	22	23
57.5°	51	56	63	74	82	87	94	102	107	110	113
55°	94	113	133	142	158	182	203	205	209	214	226
52.5°	151	173	183	201	232	251	261	278	296	314	330
50°	219	238	260	288	318	337	344	374	410	440	458
47.5°	288	313	353	402	428	450	480	519	560	603	637
45°	352	397	448	492	526	563	605	653	717	776	822
42.5°	425	475	527	578	615	678	750	807	898	978	1029
40°	510	559	634	696	774	853	977	1092	1208	1341	1438
37.5°	611	689	793	894	1008	1126	1348	1575	1760	2020	2164
35°	734	853	1001	1152	1335	1619	1943	2380	2835	3214	3580
32.5°	875	1028	1232	1502	1810	2266	2751	3558	4343	5128	5898
30°	1014	1236	1548	1919	2425	3146	4062	5308	6657	7839	8909
27.5°	1200	1514	1919	2473	3335	4392	6083	7813	9532	11066	12168
25°	1424	1845	2419	3336	4580	6333	8600	10720	12737	14241	15508
22.5°	1748	2380	3193	4362	6620	9058	11770	14438	16703	18599	19848
20°	2149	3003	4364	6481	9137	12186	15677	18483	21273	23406	25311
17.5°	2716	4077	5998	8687	11861	15927	19521	22651	26194	28374	30317
15°	3226	4975	7714	11145	14864	19174	23412	27246	30665	33061	35233
12.5°	3871	5931	9079	13115	17182	21980	26386	30491	33840	36305	37825
10°	4449	6910	10442	14662	19216	24229	28795	33068	36312	38217	39335
7.5°	4915	7723	11547	15988	20795	25840	30664	34904	38009	39603	40366
5°	5277	8327	12411	17074	22067	27230	32152	36303	38918	40236	40662
2.5°	5548	8747	12994	17789	22926	28256	33282	37372	39603	40554	40695
0°	5732	9042	13372	18238	23662	28623	33893	38047	40168	40931	41005
-2.5°	5689	8935	13356	18075	23577	28789	33990	38090	40360	41385	41552
-5°	5573	8684	12913	17613	22907	28126	33087	37416	40201	41750	42436
-7.5°	5350	8249	12155	16729	21820	27045	32103	36595	39800	41980	43322
-10°	4969	7615	11186	15611	20629	25606	30608	35269	38721	41345	43214
-12.5°	4450	6753	10005	14027	19071	23718	28454	32920	36688	39923	41855
-15°	3914	5857	8777	12457	16849	21426	25801	30183	33902	36927	39337
-17.5°	3532	5071	7356	10576	14432	18774	23043	27068	30424	33268	35796
-20°	3049	4192	6001	8709	12104	15899	19988	23571	26568	29235	31649



REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	2665	3590	4897	6744	9794	13141	16486	19785	22602	24977	27038
-25°	2315	2965	3986	5489	7472	10363	13181	15966	18568	20775	22631
-27.5°	2041	2558	3238	4308	5813	7500	9969	12298	14534	16553	18303
-30°	1792	2179	2711	3380	4404	5657	7142	8883	10667	12260	13850
-32.5°	1613	1888	2254	2751	3324	4221	5119	6290	7419	8581	9722
-35°	1452	1674	1922	2255	2648	3171	3763	4478	5082	5843	6544
-37.5°	1341	1497	1688	1897	2179	2471	2871	3306	3680	4104	4460
-40°	1250	1373	1501	1643	1836	2033	2292	2536	2774	3032	3224
-42.5°	1173	1272	1365	1474	1588	1747	1920	2072	2216	2368	2494
-45°	1113	1186	1261	1346	1433	1547	1670	1784	1878	1963	2032
-47.5°	1048	1114	1180	1245	1320	1403	1484	1556	1635	1700	1748
-50°	984	1050	1110	1166	1230	1296	1360	1418	1473	1522	1552
-52.5°	922	990	1049	1101	1155	1209	1261	1314	1362	1406	1426
-55°	875	937	997	1044	1090	1135	1182	1231	1277	1319	1331
-57.5°	823	887	944	987	1029	1070	1114	1159	1203	1242	1255
-60°	764	830	880	921	964	1009	1050	1091	1131	1165	1179
-62.5°	693	752	798	839	877	914	958	1002	1044	1078	1099
-65°	608	660	704	745	782	818	860	900	938	968	990
-67.5°	535	575	612	648	684	721	759	797	833	859	877
-70°	461	499	533	567	599	631	663	694	725	748	765
-72.5°	390	422	452	482	511	540	567	594	620	640	657
-75°	322	350	375	401	425	448	469	490	510	527	543
-77.5°	254	276	298	320	341	359	375	391	407	421	435
-80°	194	210	227	243	259	272	285	297	309	320	331
-82.5°	139	150	161	171	182	192	201	210	218	226	234
-85°	89	95	101	106	112	118	124	129	134	139	144
-87.5°	42	45	48	50	53	56	59	61	64	66	69
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	7	7	7	7	7	7	7	6	5	5	5
60°	23	22	22	22	22	22	23	23	22	27	30
57.5°	110	103	96	88	96	103	110	113	110	107	102
55°	240	253	259	257	259	253	240	226	214	209	205
52.5°	341	347	345	338	345	347	341	330	314	296	278
50°	466	466	462	455	462	466	466	458	440	410	374
47.5°	654	664	669	668	669	664	654	637	603	560	519
45°	839	849	853	851	853	849	839	822	776	717	653
42.5°	1055	1072	1077	1072	1077	1072	1055	1029	978	898	807
40°	1495	1514	1506	1483	1506	1514	1495	1438	1341	1208	1092
37.5°	2266	2339	2370	2371	2370	2339	2266	2164	2020	1760	1575
35°	3908	4169	4289	4139	4289	4169	3908	3580	3214	2835	2380
32.5°	6526	6990	7251	7251	7251	6990	6526	5898	5128	4343	3558
30°	9717	10298	10624	10693	10624	10298	9717	8909	7839	6657	5308
27.5°	13027	13627	13939	13893	13939	13627	13027	12168	11066	9532	7813
25°	16348	16802	17064	17071	17064	16802	16348	15508	14241	12737	10720
22.5°	21253	22209	22603	22708	22603	22209	21253	19848	18599	16703	14438
20°	26601	27527	28125	28161	28125	27527	26601	25311	23406	21273	18483
17.5°	31695	32155	32240	32278	32240	32155	31695	30317	28374	26194	22651
15°	36498	36659	37084	37137	37084	36659	36498	35233	33061	30665	27246
12.5°	38779	38927	38854	38656	38854	38927	38779	37825	36305	33840	30491
10°	40022	39814	39505	39133	39505	39814	40022	39335	38217	36312	33068
7.5°	40304	40073	39527	38987	39527	40073	40304	40366	39603	38009	34904
5°	40437	39760	39071	38414	39071	39760	40437	40662	40236	38918	36303
2.5°	40358	39552	38607	37900	38607	39552	40358	40695	40554	39603	37372
0°	40616	39801	38810	38546	38810	39801	40616	41005	40931	40168	38047
-2.5°	41333	40672	40155	40014	40155	40672	41333	41552	41385	40360	38090
-5°	42623	42477	41598	41805	41598	42477	42623	42436	41750	40201	37416
-7.5°	43869	43662	43290	43772	43290	43662	43869	43322	41980	39800	36595
-10°	44200	44132	44306	44733	44306	44132	44200	43214	41345	38721	35269
-12.5°	43184	43717	44313	44762	44313	43717	43184	41855	39923	36688	32920
-15°	40920	42009	42900	43324	42900	42009	40920	39337	36927	33902	30183
-17.5°	37585	38920	39977	40278	39977	38920	37585	35796	33268	30424	27068
-20°	33479	34837	35799	36183	35799	34837	33479	31649	29235	26568	23571

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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°	28859	30184	31056	31515	31056	30184	28859	27038	24977	22602	19785
-25°	24169	25334	26108	26312	26108	25334	24169	22631	20775	18568	15966
-27.5°	19685	20621	21192	21255	21192	20621	19685	18303	16553	14534	12298
-30°	15173	16043	16538	16800	16538	16043	15173	13850	12260	10667	8883
-32.5°	10656	11347	11765	11875	11765	11347	10656	9722	8581	7419	6290
-35°	7105	7535	7799	7853	7799	7535	7105	6544	5843	5082	4478
-37.5°	4750	4960	5089	5152	5089	4960	4750	4460	4104	3680	3306
-40°	3366	3464	3519	3530	3519	3464	3366	3224	3032	2774	2536
-42.5°	2574	2624	2650	2657	2650	2624	2574	2494	2368	2216	2072
-45°	2080	2115	2136	2143	2136	2115	2080	2032	1963	1878	1784
-47.5°	1779	1802	1816	1820	1816	1802	1779	1748	1700	1635	1556
-50°	1570	1582	1588	1585	1588	1582	1570	1552	1522	1473	1418
-52.5°	1438	1446	1449	1446	1449	1446	1438	1426	1406	1362	1314
-55°	1340	1346	1346	1343	1346	1346	1340	1331	1319	1277	1231
-57.5°	1265	1272	1270	1262	1270	1272	1265	1255	1242	1203	1159
-60°	1190	1199	1200	1196	1200	1199	1190	1179	1165	1131	1091
-62.5°	1116	1131	1133	1130	1133	1131	1116	1099	1078	1044	1002
-65°	1009	1028	1027	1020	1027	1028	1009	990	968	938	900
-67.5°	892	905	906	903	906	905	892	877	859	833	797
-70°	781	795	796	793	796	795	781	765	748	725	694
-72.5°	672	686	689	690	689	686	672	657	640	620	594
-75°	557	569	568	565	568	569	557	543	527	510	490
-77.5°	448	460	458	455	458	460	448	435	421	407	391
-80°	341	350	348	345	348	350	341	331	320	309	297
-82.5°	241	248	246	242	246	248	241	234	226	218	210
-85°	149	153	154	154	154	153	149	144	139	134	129
-87.5°	71	73	70	66	70	73	71	69	66	64	61
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	4	2	2	3	3	2	2	3	2	1	3
60°	26	18	23	24	19	14	20	17	7	6	5
57.5°	94	87	82	74	63	56	51	49	44	26	10
55°	203	182	158	142	133	113	94	82	76	61	41
52.5°	261	251	232	201	183	173	151	129	109	94	75
50°	344	337	318	288	260	238	219	189	161	137	112
47.5°	480	450	428	402	353	313	288	262	222	189	160
45°	605	563	526	492	448	397	352	316	281	242	211
42.5°	750	678	615	578	527	475	425	379	332	290	256
40°	977	853	774	696	634	559	510	456	398	340	303
37.5°	1348	1126	1008	894	793	689	611	545	476	409	356
35°	1943	1619	1335	1152	1001	853	734	645	564	487	413
32.5°	2751	2266	1810	1502	1232	1028	875	759	647	561	485
30°	4062	3146	2425	1919	1548	1236	1014	863	732	628	551
27.5°	6083	4392	3335	2473	1919	1514	1200	971	813	695	607
25°	8600	6333	4580	3336	2419	1845	1424	1123	910	759	670
22.5°	11770	9058	6620	4362	3193	2380	1748	1278	1016	865	748
20°	15677	12186	9137	6481	4364	3003	2149	1546	1203	993	834
17.5°	19521	15927	11861	8687	5998	4077	2716	1888	1383	1122	924
15°	23412	19174	14864	11145	7714	4975	3226	2218	1591	1266	1026
12.5°	26386	21980	17182	13115	9079	5931	3871	2641	1852	1384	1101
10°	28795	24229	19216	14662	10442	6910	4449	2956	2039	1481	1165
7.5°	30664	25840	20795	15988	11547	7723	4915	3202	2186	1566	1216
5°	32152	27230	22067	17074	12411	8327	5277	3392	2294	1638	1256
2.5°	33282	28256	22926	17789	12994	8747	5548	3552	2382	1707	1294
0°	33893	28623	23662	18238	13372	9042	5732	3677	2444	1761	1321
-2.5°	33990	28789	23577	18075	13356	8935	5689	3652	2453	1779	1341
-5°	33087	28126	22907	17613	12913	8684	5573	3576	2433	1777	1349
-7.5°	32103	27045	21820	16729	12155	8249	5350	3455	2393	1758	1344
-10°	30608	25606	20629	15611	11186	7615	4969	3271	2314	1716	1327
-12.5°	28454	23718	19071	14027	10005	6753	4450	3034	2196	1651	1298
-15°	25801	21426	16849	12457	8777	5857	3914	2741	2038	1563	1256
-17.5°	23043	18774	14432	10576	7356	5071	3532	2531	1899	1482	1207
-20°	19988	15899	12104	8709	6001	4192	3049	2276	1767	1414	1168

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REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16486	13141	9794	6744	4897	3590	2665	2029	1617	1328	1122
-25°	13181	10363	7472	5489	3986	2965	2315	1849	1507	1251	1071
-27.5°	9969	7500	5813	4308	3238	2558	2041	1659	1385	1189	1031
-30°	7142	5657	4404	3380	2711	2179	1792	1516	1295	1124	986
-32.5°	5119	4221	3324	2751	2254	1888	1613	1383	1211	1068	950
-35°	3763	3171	2648	2255	1922	1674	1452	1286	1138	1012	914
-37.5°	2871	2471	2179	1897	1688	1497	1341	1201	1068	968	878
-40°	2292	2033	1836	1643	1501	1373	1250	1126	1024	924	841
-42.5°	1920	1747	1588	1474	1365	1272	1173	1075	979	887	804
-45°	1670	1547	1433	1346	1261	1186	1113	1024	935	848	766
-47.5°	1484	1403	1320	1245	1180	1114	1048	971	885	804	732
-50°	1360	1296	1230	1166	1110	1050	984	909	834	766	695
-52.5°	1261	1209	1155	1101	1049	990	922	857	791	722	652
-55°	1182	1135	1090	1044	997	937	875	810	741	675	605
-57.5°	1114	1070	1029	987	944	887	823	758	691	627	558
-60°	1050	1009	964	921	880	830	764	701	642	579	517
-62.5°	958	914	877	839	798	752	693	635	582	529	470
-65°	860	818	782	745	704	660	608	562	517	470	416
-67.5°	759	721	684	648	612	575	535	493	450	404	354
-70°	663	631	599	567	533	499	461	421	379	338	299
-72.5°	567	540	511	482	452	422	390	354	318	283	249
-75°	469	448	425	401	375	350	322	291	262	234	206
-77.5°	375	359	341	320	298	276	254	230	208	185	163
-80°	285	272	259	243	227	210	194	175	156	138	121
-82.5°	201	192	182	171	161	150	139	125	112	99	86
-85°	124	118	112	106	101	95	89	80	71	63	55
-87.5°	59	56	53	50	48	45	42	38	34	30	26
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627686 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	1	1	0	0	0	0	0	0
67.5°	0	0	0	2	2	2	0	1	1	0	0
65°	2	2	0	2	4	5	4	2	2	2	0
62.5°	4	6	4	3	4	6	7	5	4	3	1
60°	5	7	7	6	5	6	7	7	5	5	3
57.5°	9	8	8	8	7	7	7	7	7	6	5
55°	19	13	11	10	8	7	8	7	7	7	7
52.5°	51	28	17	14	11	8	8	7	7	7	7
50°	85	57	32	20	15	12	9	9	7	7	8
47.5°	126	92	59	32	22	15	12	10	7	7	8
45°	173	131	91	57	32	24	15	12	9	8	9
42.5°	225	177	129	81	54	36	19	15	11	8	10
40°	270	228	170	118	77	50	30	18	13	9	10
37.5°	315	274	218	156	102	71	45	20	17	12	10
35°	362	317	265	196	136	90	61	27	21	15	11
32.5°	409	358	303	238	169	108	78	44	26	17	11
30°	468	396	338	277	203	136	94	59	32	20	12
27.5°	526	432	371	309	237	165	112	73	39	24	15
25°	583	479	403	338	268	195	131	85	50	30	17
22.5°	641	530	432	365	299	223	153	100	60	35	19
20°	702	578	462	398	326	250	178	116	70	42	22
17.5°	768	629	511	431	353	274	200	132	79	48	24
15°	835	682	557	463	379	296	220	148	87	54	27
12.5°	893	730	598	495	404	315	239	164	94	61	32
10°	944	772	634	526	428	332	256	179	106	66	38
7.5°	987	808	666	555	451	351	270	190	118	71	43
5°	1023	839	689	577	470	372	282	200	131	75	49
2.5°	1051	862	706	595	486	393	292	207	143	78	54
0°	1071	881	719	609	499	411	301	213	154	81	59
-2.5°	1081	893	740	620	516	420	311	224	161	91	61
-5°	1084	901	756	629	531	427	320	234	167	101	62
-7.5°	1085	905	765	636	541	431	327	242	172	109	64
-10°	1079	904	767	644	545	435	332	249	176	116	65
-12.5°	1065	899	766	648	546	440	339	253	180	121	66
-15°	1042	889	763	648	545	442	344	256	182	123	67
-17.5°	1011	875	756	642	543	443	346	256	182	122	69
-20°	991	860	748	631	539	442	346	252	181	121	72

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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°	966	845	733	622	535	438	342	246	179	119	73
-25°	935	826	717	617	528	433	335	237	175	117	74
-27.5°	907	805	699	608	517	424	324	231	170	114	74
-30°	881	783	684	594	503	412	308	224	166	112	73
-32.5°	853	760	667	576	488	398	292	215	161	111	71
-35°	824	735	644	555	471	380	281	205	156	108	70
-37.5°	792	707	618	533	455	362	274	202	150	103	67
-40°	760	677	591	515	435	344	265	198	144	97	65
-42.5°	726	647	568	495	415	331	254	192	137	92	62
-45°	693	617	543	470	395	315	243	183	128	88	59
-47.5°	659	586	512	440	373	297	229	171	119	84	58
-50°	621	548	475	411	346	277	213	158	114	80	55
-52.5°	578	502	441	382	319	253	196	144	108	76	52
-55°	530	465	411	352	290	230	177	136	101	72	49
-57.5°	494	435	379	320	262	207	162	126	94	68	47
-60°	458	400	345	287	232	186	149	116	88	63	45
-62.5°	414	360	304	250	205	167	135	106	80	59	42
-65°	363	310	260	218	180	148	122	96	73	53	38
-67.5°	306	264	222	185	156	131	108	85	64	47	34
-70°	260	221	186	159	135	113	93	73	55	42	30
-72.5°	217	187	158	134	114	95	77	61	47	36	26
-75°	179	154	131	111	94	77	63	50	39	29	23
-77.5°	142	122	104	88	75	62	50	39	31	25	21
-80°	107	93	80	68	57	47	39	32	27	22	18
-82.5°	76	66	58	50	43	36	31	26	22	18	15
-85°	49	43	38	34	29	26	22	19	15	13	10
-87.5°	24	21	19	17	15	13	11	9	8	6	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA5D-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	2	1	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	2	0	0	0
60°	1	3	5	3	0	0	0
57.5°	3	3	5	4	1	0	0
55°	4	3	5	5	1	0	0
52.5°	5	4	5	5	2	0	0
50°	6	5	5	6	2	0	0
47.5°	7	5	6	7	3	0	0
45°	8	6	6	7	3	0	0
42.5°	9	6	6	7	3	0	0
40°	10	7	6	7	4	0	0
37.5°	10	7	7	7	4	0	0
35°	11	8	7	7	5	0	0
32.5°	12	9	7	7	5	0	0
30°	13	9	7	7	5	0	0
27.5°	13	10	7	7	6	0	0
25°	14	11	7	7	6	0	0
22.5°	14	12	7	7	6	0	0
20°	15	12	7	7	6	0	0
17.5°	15	13	7	7	7	0	0
15°	16	13	7	7	7	0	0
12.5°	17	14	7	7	7	0	0
10°	18	14	7	7	7	0	0
7.5°	19	14	7	7	7	0	0
5°	20	15	7	7	7	0	0
2.5°	21	15	7	7	7	0	0
0°	22	15	7	7	7	0	0
-2.5°	26	15	8	7	7	0	0
-5°	30	16	9	7	7	0	0
-7.5°	33	17	9	7	7	0	0
-10°	36	17	10	7	7	1	0
-12.5°	38	18	10	7	7	1	0
-15°	40	18	11	7	7	1	0
-17.5°	41	19	11	7	7	1	0
-20°	42	19	11	7	7	1	0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	42	19	11	7	7	1	0
-25°	42	20	11	7	7	1	0
-27.5°	42	21	11	7	6	1	0
-30°	41	23	11	7	6	2	0
-32.5°	40	23	11	7	6	2	0
-35°	40	24	12	7	6	2	0
-37.5°	40	24	12	7	6	2	0
-40°	40	24	12	7	6	2	0
-42.5°	40	24	12	7	6	2	0
-45°	39	24	13	8	6	2	0
-47.5°	38	24	13	8	6	2	0
-50°	37	23	13	8	6	2	0
-52.5°	36	22	14	9	6	2	0
-55°	34	22	13	9	6	2	0
-57.5°	33	21	13	9	6	2	0
-60°	31	20	13	9	6	2	0
-62.5°	29	19	13	9	6	1	0
-65°	27	18	12	9	6	1	0
-67.5°	24	16	12	9	5	1	0
-70°	21	16	12	9	5	1	0
-72.5°	20	15	11	8	4	1	0
-75°	18	14	11	7	4	1	0
-77.5°	16	13	9	6	3	1	0
-80°	15	11	8	5	2	1	0
-82.5°	11	8	6	4	2	0	0
-85°	8	6	4	2	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)