

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: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-750-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627236 (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-SA3D-750-U-MWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

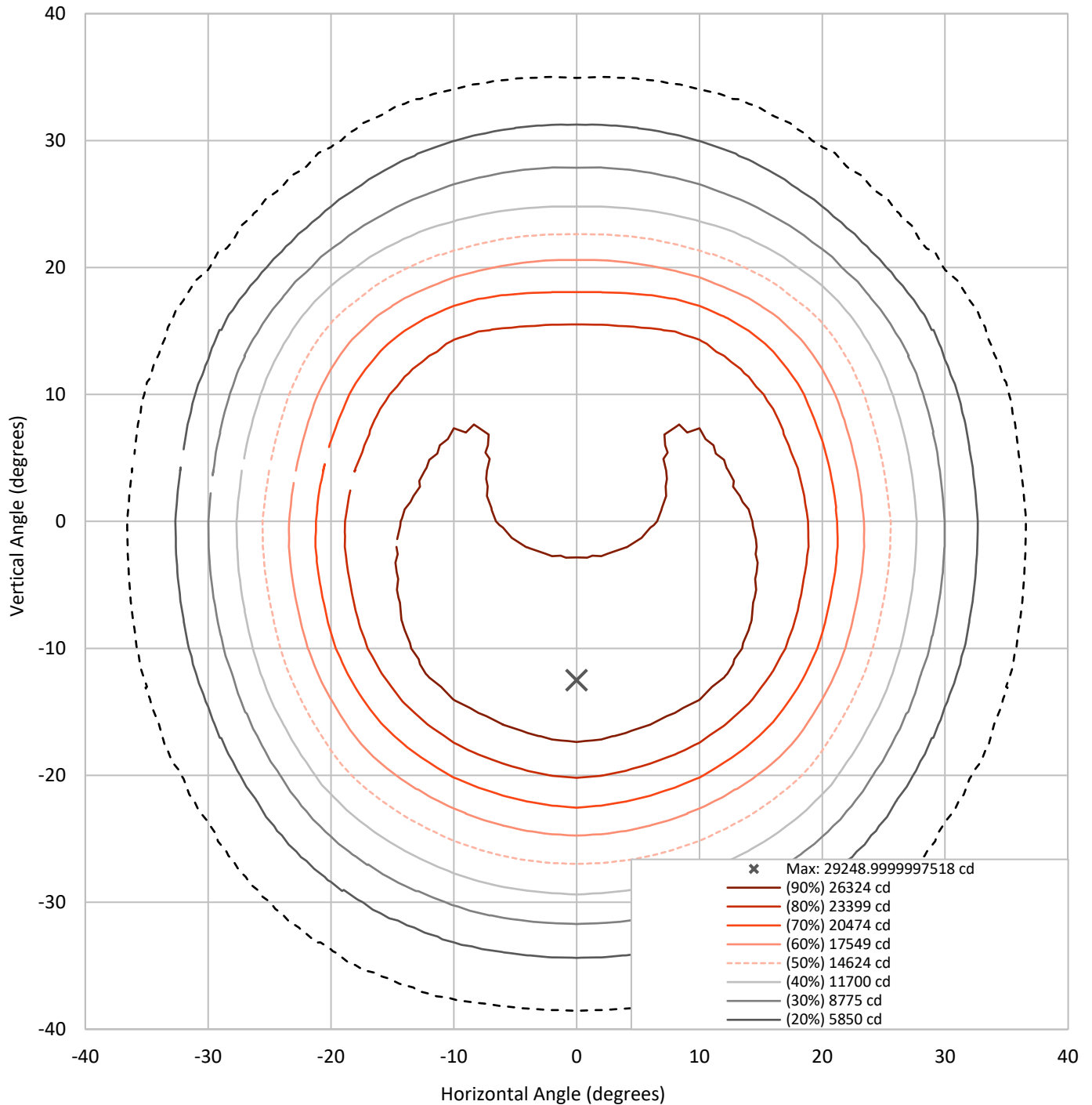
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	20877.4 lumens	Max Intensity:	29249 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	130.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' 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:	13983.6 lumens	Field Lumens:	18827.8 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.2%
Input Watts (W):	160.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-750-U-MWR-VSR-XX

Iso-Candela Plot





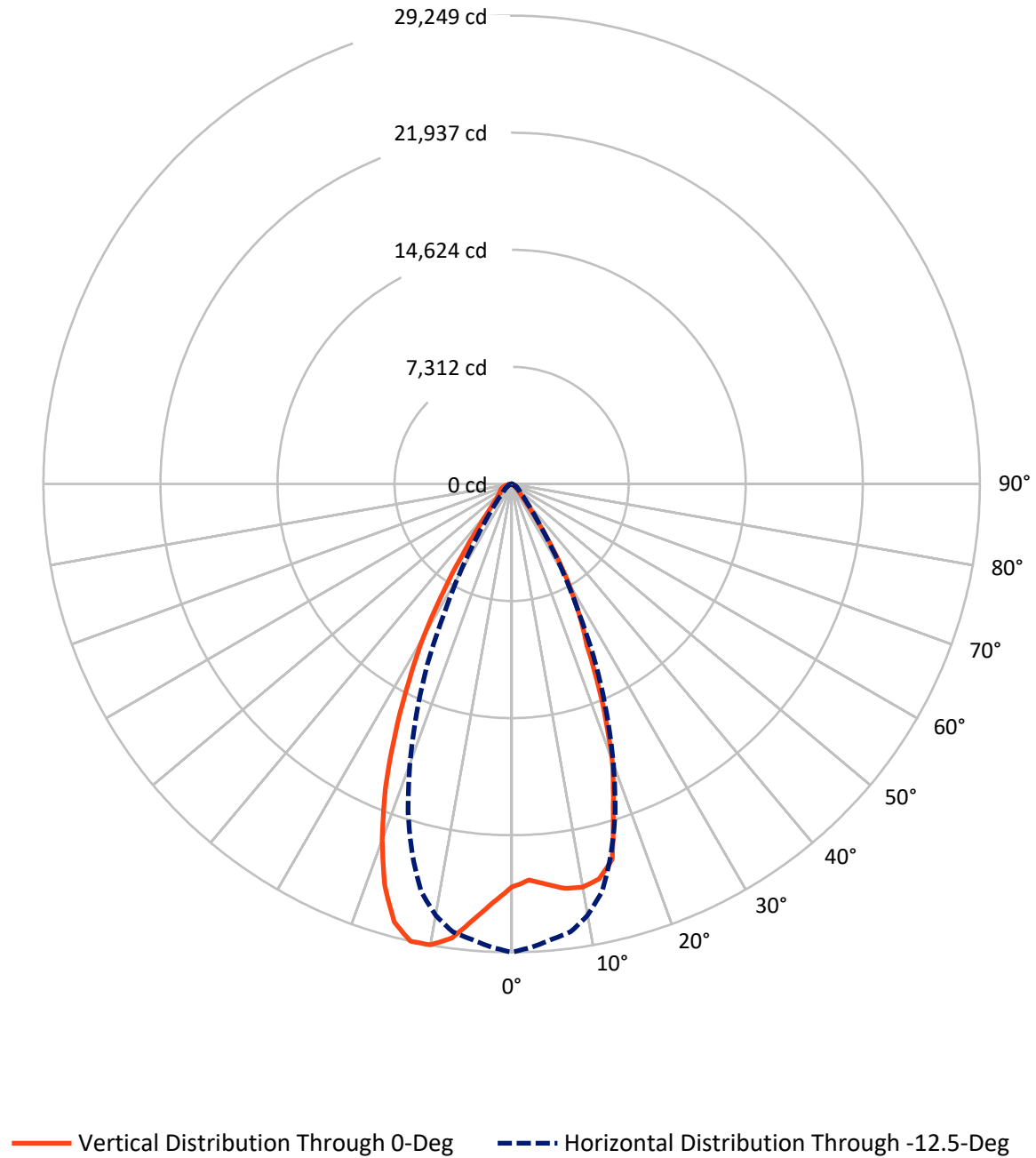
REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.0	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	2.9	4.0	4.6	4.6	4.0	2.9	1.7	0.7	0.1		0.1								
40	0.1	0.1	0.8	2.9	5.9	9.6	14.3	17.6	17.6	14.3	9.6	5.9	2.9	0.8	0.1	0.1								
30		0.4	2.3	6.1	12.5	27.1	61.6	94.1	94.1	61.6	27.1	12.5	6.1	2.3	0.4									
20	0.2	0.8	3.9	9.7	26.2	97.1	249.9	349.3	349.3	249.9	97.1	26.2	9.7	3.9	0.8	0.2								
10		1.4	5.4	15.1	62.3	269.5	562.2	696.1	696.1	562.2	269.5	62.3	15.1	5.4	1.4									
0	0.4	1.8	6.7	19.4	99.3	396.9	724.9	785.9	785.9	724.9	396.9	99.3	19.4	6.7	1.8	0.4								
-10		2.1	7.4	20.8	103.9	409.9	751.0	834.1	834.1	751.0	409.9	103.9	20.8	7.4	2.1									
-20	0.6	2.3	7.5	18.9	74.3	305.2	633.6	809.0	809.0	633.6	305.2	74.3	18.9	7.5	2.3	0.6								
-30		2.2	7.2	15.7	41.5	148.1	353.0	496.8	496.8	353.0	148.1	41.5	15.7	7.2	2.2									
-40	0.5	1.9	6.4	13.1	24.8	52.7	110.3	163.7	163.7	110.3	52.7	24.8	13.1	6.4	1.9	0.5								
-50		1.6	5.4	10.9	18.1	26.8	37.6	44.6	44.6	37.6	26.8	18.1	10.9	5.4	1.6									
-60	0.4	1.2	4.0	8.6	14.2	19.7	24.6	26.9	26.9	24.6	19.7	14.2	8.6	4.0	1.2	0.4								
-70		0.8	2.6	5.8	10.0	14.1	17.9	20.0	20.0	17.9	14.1	10.0	5.8	2.6	0.8									
-80	0.2	2.3	10.5	22.4	28.7	22.4	10.5	2.3	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

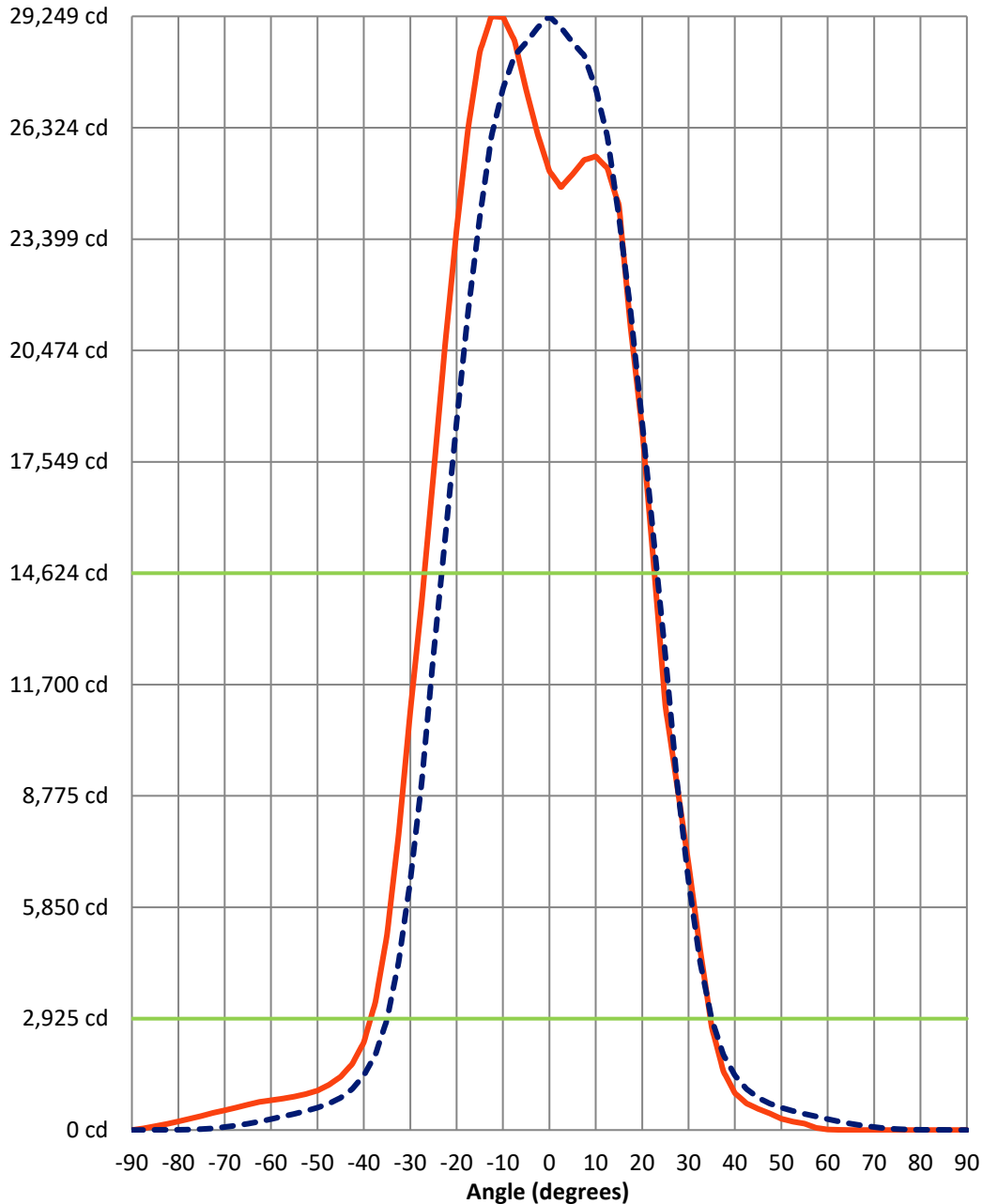
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 13983.6
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 18827.8
 Efficiency: 90.2%

Spill:
 Lumens: 2049.6
 Efficiency: 9.8%

— 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	7	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	10	14	18
32.5°	0	0	3	5	5	6	8	7	11	17	29
30°	0	0	4	5	5	6	8	8	13	21	38
27.5°	0	0	4	5	5	7	9	10	16	26	47
25°	0	0	4	5	5	7	9	11	19	32	56
22.5°	0	0	4	5	5	8	9	13	23	39	66
20°	0	0	4	5	5	8	9	14	27	46	76
17.5°	0	0	4	5	5	8	10	16	31	52	86
15°	0	0	4	5	5	9	10	18	36	57	97
12.5°	0	0	5	5	5	9	11	21	40	61	107
10°	0	0	5	5	5	9	12	25	43	69	117
7.5°	0	0	5	5	5	9	12	28	46	77	124
5°	0	0	5	5	5	10	13	32	49	85	130
2.5°	0	0	5	5	5	10	14	35	51	93	135
0°	0	0	5	5	5	10	14	38	53	101	139
-2.5°	0	0	5	5	5	10	17	40	60	105	146
-5°	0	0	5	5	6	11	19	41	66	109	153
-7.5°	0	0	5	5	6	11	22	42	71	112	158
-10°	0	0	5	5	6	11	23	42	76	115	162
-12.5°	0	1	5	5	7	12	25	43	79	118	166
-15°	0	1	5	5	7	12	26	44	80	119	167
-17.5°	0	1	4	5	7	12	27	45	80	119	167
-20°	0	1	4	5	7	12	27	47	79	119	165

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CATALOG NUMBER: GFLD-SA3D-750-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	28	48	78	117	161
-25°	0	1	4	5	7	13	27	49	76	115	155
-27.5°	0	1	4	5	7	14	27	48	74	111	151
-30°	0	1	4	5	7	15	27	48	73	108	147
-32.5°	0	1	4	5	7	15	26	47	72	105	141
-35°	0	1	4	5	8	16	26	46	70	102	134
-37.5°	0	1	4	5	8	16	26	44	67	98	132
-40°	0	1	4	5	8	16	26	42	63	94	129
-42.5°	0	1	4	5	8	16	26	40	60	89	125
-45°	0	1	4	5	8	16	26	39	58	84	119
-47.5°	0	1	4	5	9	16	25	38	55	77	112
-50°	0	1	4	6	9	15	24	36	52	74	103
-52.5°	0	1	4	6	9	15	23	34	50	70	94
-55°	0	1	4	6	9	14	22	32	47	66	89
-57.5°	0	1	4	6	9	14	21	31	44	62	82
-60°	0	1	4	6	8	13	20	29	41	57	76
-62.5°	0	1	4	6	8	12	19	27	38	52	69
-65°	0	1	4	6	8	12	17	25	35	47	63
-67.5°	0	1	3	6	8	11	16	23	31	42	55
-70°	0	1	3	6	8	10	14	20	27	36	48
-72.5°	0	1	3	5	7	10	13	17	23	31	40
-75°	0	1	2	5	7	9	12	15	19	25	33
-77.5°	0	1	2	4	6	9	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

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REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-750-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	29	32
55°	5	5	5	6	7	8	13	27	40	49	53
52.5°	5	5	7	9	11	18	33	49	62	71	84
50°	6	8	10	13	21	37	56	73	90	105	123
47.5°	8	10	14	21	39	60	82	104	124	145	171
45°	10	16	21	37	59	86	113	138	158	183	207
42.5°	12	23	35	53	84	116	147	167	190	217	248
40°	20	33	50	77	111	149	176	198	222	260	298
37.5°	29	46	67	102	142	179	206	232	267	311	356
35°	40	59	89	128	173	207	237	270	318	368	422
32.5°	51	71	111	155	198	234	267	317	367	422	496
30°	62	89	132	181	221	259	306	360	410	478	564
27.5°	73	108	155	202	242	282	344	397	454	531	635
25°	85	127	175	221	263	313	381	438	496	595	734
22.5°	100	146	195	239	282	346	419	489	565	664	835
20°	116	163	213	260	302	377	459	545	649	786	1010
17.5°	131	179	231	281	334	411	502	604	733	904	1234
15°	144	193	248	303	364	446	545	670	827	1039	1450
12.5°	156	206	264	323	391	477	583	720	905	1210	1726
10°	167	217	280	344	414	504	617	761	968	1332	1932
7.5°	176	229	294	363	435	528	645	795	1023	1428	2092
5°	184	243	307	377	450	548	668	821	1070	1499	2216
2.5°	191	257	318	389	461	564	687	845	1116	1557	2321
0°	197	269	326	398	470	575	700	863	1151	1597	2403
-2.5°	203	275	337	405	483	584	707	876	1162	1603	2386
-5°	209	279	347	411	494	589	708	881	1161	1590	2337
-7.5°	214	282	354	416	500	591	709	878	1149	1563	2257
-10°	217	284	356	421	501	591	705	867	1121	1512	2137
-12.5°	222	287	357	424	501	587	696	848	1079	1435	1982
-15°	225	289	356	423	498	581	681	821	1021	1331	1791
-17.5°	226	289	355	420	494	572	661	788	969	1241	1654
-20°	226	289	353	413	489	562	647	763	924	1154	1487

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CATALOG NUMBER: GFLD-SA3D-750-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°	224	286	350	407	479	552	631	733	868	1057	1326
-25°	219	283	345	403	469	540	611	700	818	985	1208
-27.5°	211	277	338	397	457	526	593	674	777	905	1084
-30°	201	269	329	388	447	512	576	644	734	846	990
-32.5°	190	260	319	376	436	497	557	621	698	791	903
-35°	183	249	308	363	421	480	538	597	661	744	840
-37.5°	179	237	297	349	404	462	518	574	633	698	785
-40°	173	225	284	336	386	442	496	550	604	669	736
-42.5°	166	216	271	324	371	422	474	525	580	640	703
-45°	159	206	258	307	355	403	453	501	554	611	669
-47.5°	150	194	244	287	335	383	431	479	525	578	634
-50°	139	181	226	268	310	358	406	454	500	545	594
-52.5°	128	165	208	250	288	328	377	426	472	517	560
-55°	116	151	190	230	268	304	346	395	441	484	529
-57.5°	106	135	171	209	247	284	323	365	410	452	495
-60°	97	122	152	188	225	261	299	338	379	419	458
-62.5°	88	109	134	164	199	235	270	307	345	380	415
-65°	80	97	117	142	170	203	237	272	307	338	367
-67.5°	70	86	102	121	145	172	200	232	264	294	322
-70°	61	74	88	104	122	144	170	195	221	247	275
-72.5°	51	62	75	87	103	122	142	162	185	208	231
-75°	41	51	61	72	85	101	117	135	153	171	190
-77.5°	33	41	49	58	68	80	93	107	121	136	150
-80°	25	31	37	45	52	61	70	79	90	102	114
-82.5°	20	24	28	33	38	43	50	56	65	73	82
-85°	14	17	19	22	25	28	32	36	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°	34	36	41	49	54	57	61	66	70	72	74
55°	62	74	87	93	103	119	133	134	136	140	148
52.5°	99	113	120	131	151	164	171	182	194	205	216
50°	143	155	170	188	208	220	225	244	268	288	299
47.5°	188	204	231	263	280	294	314	339	366	394	416
45°	230	259	293	321	344	368	395	426	468	507	537
42.5°	277	310	344	378	402	443	490	527	587	639	672
40°	333	366	414	455	505	557	639	714	789	876	940
37.5°	399	450	518	584	659	736	881	1029	1150	1320	1414
35°	479	558	654	753	872	1058	1269	1555	1853	2100	2339
32.5°	572	672	805	981	1183	1480	1798	2325	2838	3351	3854
30°	663	808	1012	1254	1585	2056	2654	3468	4350	5122	5821
27.5°	784	990	1254	1616	2179	2870	3975	5105	6228	7231	7951
25°	930	1206	1580	2180	2993	4138	5619	7005	8323	9306	10133
22.5°	1142	1555	2087	2850	4326	5919	7691	9434	10914	12153	12969
20°	1404	1962	2852	4235	5971	7963	10243	12077	13901	15294	16539
17.5°	1774	2664	3919	5676	7750	10407	12756	14801	17116	18540	19810
15°	2108	3251	5041	7282	9712	12529	15298	17803	20037	21603	23022
12.5°	2529	3875	5932	8569	11227	14362	17241	19923	22112	23723	24716
10°	2907	4515	6823	9581	12556	15832	18815	21607	23727	24972	25703
7.5°	3212	5047	7545	10447	13588	16885	20037	22807	24836	25877	26376
5°	3448	5441	8110	11156	14419	17793	21009	23721	25430	26291	26570
2.5°	3625	5715	8490	11624	14980	18463	21747	24420	25878	26499	26591
0°	3745	5908	8738	11917	15461	18703	22146	24861	26247	26746	26794
-2.5°	3717	5838	8727	11811	15406	18811	22210	24889	26372	27042	27151
-5°	3641	5674	8437	11509	14968	18378	21620	24448	26269	27281	27729
-7.5°	3496	5390	7943	10931	14258	17672	20977	23912	26007	27431	28308
-10°	3247	4976	7309	10200	13479	16732	20000	23046	25301	27016	28237
-12.5°	2908	4413	6537	9166	12461	15498	18593	21511	23973	26087	27349
-15°	2558	3827	5735	8140	11009	14000	16859	19722	22153	24129	25704
-17.5°	2308	3314	4806	6911	9430	12268	15057	17687	19880	21738	23390
-20°	1992	2739	3921	5691	7909	10389	13061	15402	17360	19103	20681

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REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-750-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°	1741	2346	3200	4407	6399	8587	10772	12928	14769	16321	17667
-25°	1513	1937	2605	3586	4882	6771	8613	10433	12133	13575	14788
-27.5°	1334	1671	2116	2815	3798	4901	6514	8036	9497	10816	11959
-30°	1171	1424	1772	2209	2878	3697	4667	5805	6970	8011	9050
-32.5°	1054	1234	1473	1797	2172	2758	3345	4110	4848	5607	6353
-35°	949	1094	1256	1473	1730	2072	2459	2926	3321	3818	4276
-37.5°	877	979	1103	1240	1424	1614	1876	2160	2405	2682	2914
-40°	817	897	981	1073	1200	1329	1498	1657	1812	1981	2107
-42.5°	767	831	892	963	1038	1141	1255	1354	1448	1548	1630
-45°	727	775	824	880	936	1011	1091	1166	1227	1282	1327
-47.5°	685	728	771	814	862	917	969	1017	1068	1111	1142
-50°	643	686	725	762	804	847	888	926	963	995	1014
-52.5°	603	647	685	719	755	790	824	858	890	919	932
-55°	572	612	651	682	712	742	772	805	834	862	870
-57.5°	538	579	617	645	673	699	728	757	786	812	820
-60°	499	542	575	602	630	659	686	713	739	761	770
-62.5°	453	491	522	548	573	597	626	655	682	705	718
-65°	398	431	460	487	511	534	562	588	613	633	647
-67.5°	349	375	400	423	447	471	496	521	544	561	573
-70°	301	326	348	370	392	412	433	454	474	489	500
-72.5°	255	276	295	315	334	353	371	388	405	418	429
-75°	210	228	245	262	278	293	307	320	333	345	355
-77.5°	166	181	195	209	223	235	245	256	266	275	284
-80°	127	138	148	159	169	178	186	194	202	209	216
-82.5°	91	98	105	112	119	125	131	137	143	148	153
-85°	58	62	66	70	73	77	81	84	88	91	94
-87.5°	28	29	31	33	35	37	38	40	42	43	45
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-750-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	63	58	63	67	72	74	72	70	66
55°	157	165	169	168	169	165	157	148	140	136	134
52.5°	223	227	226	221	226	227	223	216	205	194	182
50°	304	305	302	297	302	305	304	299	288	268	244
47.5°	427	434	437	436	437	434	427	416	394	366	339
45°	548	555	557	556	557	555	548	537	507	468	426
42.5°	690	700	704	700	704	700	690	672	639	587	527
40°	977	990	984	969	984	990	977	940	876	789	714
37.5°	1480	1528	1548	1549	1548	1528	1480	1414	1320	1150	1029
35°	2553	2724	2803	2705	2803	2724	2553	2339	2100	1853	1555
32.5°	4265	4567	4738	4738	4738	4567	4265	3854	3351	2838	2325
30°	6350	6729	6942	6987	6942	6729	6350	5821	5122	4350	3468
27.5°	8512	8904	9108	9078	9108	8904	8512	7951	7231	6228	5105
25°	10682	10979	11150	11155	11150	10979	10682	10133	9306	8323	7005
22.5°	13887	14512	14769	14838	14769	14512	13887	12969	12153	10914	9434
20°	17381	17987	18378	18401	18378	17987	17381	16539	15294	13901	12077
17.5°	20711	21011	21066	21092	21066	21011	20711	19810	18540	17116	14801
15°	23849	23954	24231	24266	24231	23954	23849	23022	21603	20037	17803
12.5°	25339	25436	25388	25259	25388	25436	25339	24716	23723	22112	19923
10°	26151	26016	25814	25571	25814	26016	26151	25703	24972	23727	21607
7.5°	26335	26185	25828	25475	25828	26185	26335	26376	25877	24836	22807
5°	26423	25980	25530	25101	25530	25980	26423	26570	26291	25430	23721
2.5°	26371	25844	25226	24765	25226	25844	26371	26591	26499	25878	24420
0°	26539	26007	25360	25187	25360	26007	26539	26794	26746	26247	24861
-2.5°	27008	26576	26238	26146	26238	26576	27008	27151	27042	26372	24889
-5°	27851	27756	27181	27316	27181	27756	27851	27729	27281	26269	24448
-7.5°	28665	28530	28287	28602	28287	28530	28665	28308	27431	26007	23912
-10°	28881	28837	28951	29230	28951	28837	28881	28237	27016	25301	23046
-12.5°	28218	28565	28955	29249	28955	28565	28218	27349	26087	23973	21511
-15°	26738	27449	28032	28309	28032	27449	26738	25704	24129	22153	19722
-17.5°	24559	25431	26122	26319	26122	25431	24559	23390	21738	19880	17687
-20°	21876	22763	23392	23643	23392	22763	21876	20681	19103	17360	15402

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REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-750-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18857	19723	20293	20593	20293	19723	18857	17667	16321	14769	12928
-25°	15793	16554	17060	17193	17060	16554	15793	14788	13575	12133	10433
-27.5°	12862	13475	13847	13888	13847	13475	12862	11959	10816	9497	8036
-30°	9915	10483	10806	10977	10806	10483	9915	9050	8011	6970	5805
-32.5°	6963	7414	7688	7759	7688	7414	6963	6353	5607	4848	4110
-35°	4643	4923	5096	5131	5096	4923	4643	4276	3818	3321	2926
-37.5°	3104	3241	3325	3367	3325	3241	3104	2914	2682	2405	2160
-40°	2199	2263	2299	2307	2299	2263	2199	2107	1981	1812	1657
-42.5°	1682	1715	1731	1736	1731	1715	1682	1630	1548	1448	1354
-45°	1359	1382	1396	1400	1396	1382	1359	1327	1282	1227	1166
-47.5°	1163	1177	1186	1189	1186	1177	1163	1142	1111	1068	1017
-50°	1026	1034	1037	1036	1037	1034	1026	1014	995	963	926
-52.5°	939	945	947	945	947	945	939	932	919	890	858
-55°	876	879	880	878	880	879	876	870	862	834	805
-57.5°	826	831	830	825	830	831	826	820	812	786	757
-60°	778	784	784	782	784	784	778	770	761	739	713
-62.5°	730	739	740	739	740	739	730	718	705	682	655
-65°	660	671	671	667	671	671	660	647	633	613	588
-67.5°	583	591	592	590	592	591	583	573	561	544	521
-70°	510	520	520	518	520	520	510	500	489	474	454
-72.5°	439	448	450	451	450	448	439	429	418	405	388
-75°	364	372	371	369	371	372	364	355	345	333	320
-77.5°	293	300	299	297	299	300	293	284	275	266	256
-80°	223	229	228	225	228	229	223	216	209	202	194
-82.5°	158	162	161	158	161	162	158	153	148	143	137
-85°	97	100	101	101	101	100	97	94	91	88	84
-87.5°	46	48	46	43	46	48	46	45	43	42	40
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-750-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	57	54	49	41	36	34	32	29	17	7
55°	133	119	103	93	87	74	62	53	49	40	27
52.5°	171	164	151	131	120	113	99	84	71	62	49
50°	225	220	208	188	170	155	143	123	105	90	73
47.5°	314	294	280	263	231	204	188	171	145	124	104
45°	395	368	344	321	293	259	230	207	183	158	138
42.5°	490	443	402	378	344	310	277	248	217	190	167
40°	639	557	505	455	414	366	333	298	260	222	198
37.5°	881	736	659	584	518	450	399	356	311	267	232
35°	1269	1058	872	753	654	558	479	422	368	318	270
32.5°	1798	1480	1183	981	805	672	572	496	422	367	317
30°	2654	2056	1585	1254	1012	808	663	564	478	410	360
27.5°	3975	2870	2179	1616	1254	990	784	635	531	454	397
25°	5619	4138	2993	2180	1580	1206	930	734	595	496	438
22.5°	7691	5919	4326	2850	2087	1555	1142	835	664	565	489
20°	10243	7963	5971	4235	2852	1962	1404	1010	786	649	545
17.5°	12756	10407	7750	5676	3919	2664	1774	1234	904	733	604
15°	15298	12529	9712	7282	5041	3251	2108	1450	1039	827	670
12.5°	17241	14362	11227	8569	5932	3875	2529	1726	1210	905	720
10°	18815	15832	12556	9581	6823	4515	2907	1932	1332	968	761
7.5°	20037	16885	13588	10447	7545	5047	3212	2092	1428	1023	795
5°	21009	17793	14419	11156	8110	5441	3448	2216	1499	1070	821
2.5°	21747	18463	14980	11624	8490	5715	3625	2321	1557	1116	845
0°	22146	18703	15461	11917	8738	5908	3745	2403	1597	1151	863
-2.5°	22210	18811	15406	11811	8727	5838	3717	2386	1603	1162	876
-5°	21620	18378	14968	11509	8437	5674	3641	2337	1590	1161	881
-7.5°	20977	17672	14258	10931	7943	5390	3496	2257	1563	1149	878
-10°	20000	16732	13479	10200	7309	4976	3247	2137	1512	1121	867
-12.5°	18593	15498	12461	9166	6537	4413	2908	1982	1435	1079	848
-15°	16859	14000	11009	8140	5735	3827	2558	1791	1331	1021	821
-17.5°	15057	12268	9430	6911	4806	3314	2308	1654	1241	969	788
-20°	13061	10389	7909	5691	3921	2739	1992	1487	1154	924	763

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REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-750-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°	10772	8587	6399	4407	3200	2346	1741	1326	1057	868	733
-25°	8613	6771	4882	3586	2605	1937	1513	1208	985	818	700
-27.5°	6514	4901	3798	2815	2116	1671	1334	1084	905	777	674
-30°	4667	3697	2878	2209	1772	1424	1171	990	846	734	644
-32.5°	3345	2758	2172	1797	1473	1234	1054	903	791	698	621
-35°	2459	2072	1730	1473	1256	1094	949	840	744	661	597
-37.5°	1876	1614	1424	1240	1103	979	877	785	698	633	574
-40°	1498	1329	1200	1073	981	897	817	736	669	604	550
-42.5°	1255	1141	1038	963	892	831	767	703	640	580	525
-45°	1091	1011	936	880	824	775	727	669	611	554	501
-47.5°	969	917	862	814	771	728	685	634	578	525	479
-50°	888	847	804	762	725	686	643	594	545	500	454
-52.5°	824	790	755	719	685	647	603	560	517	472	426
-55°	772	742	712	682	651	612	572	529	484	441	395
-57.5°	728	699	673	645	617	579	538	495	452	410	365
-60°	686	659	630	602	575	542	499	458	419	379	338
-62.5°	626	597	573	548	522	491	453	415	380	345	307
-65°	562	534	511	487	460	431	398	367	338	307	272
-67.5°	496	471	447	423	400	375	349	322	294	264	232
-70°	433	412	392	370	348	326	301	275	247	221	195
-72.5°	371	353	334	315	295	276	255	231	208	185	162
-75°	307	293	278	262	245	228	210	190	171	153	135
-77.5°	245	235	223	209	195	181	166	150	136	121	107
-80°	186	178	169	159	148	138	127	114	102	90	79
-82.5°	131	125	119	112	105	98	91	82	73	65	56
-85°	81	77	73	70	66	62	58	52	46	41	36
-87.5°	38	37	35	33	31	29	28	25	22	19	17
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627236 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-750-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	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°	56	37	21	13	10	8	6	6	5	5	5
47.5°	82	60	39	21	14	10	8	7	5	5	5
45°	113	86	59	37	21	16	10	8	6	5	6
42.5°	147	116	84	53	35	23	12	10	7	5	6
40°	176	149	111	77	50	33	20	11	9	6	7
37.5°	206	179	142	102	67	46	29	13	11	8	7
35°	237	207	173	128	89	59	40	18	14	10	7
32.5°	267	234	198	155	111	71	51	29	17	11	7
30°	306	259	221	181	132	89	62	38	21	13	8
27.5°	344	282	242	202	155	108	73	47	26	16	10
25°	381	313	263	221	175	127	85	56	32	19	11
22.5°	419	346	282	239	195	146	100	66	39	23	13
20°	459	377	302	260	213	163	116	76	46	27	14
17.5°	502	411	334	281	231	179	131	86	52	31	16
15°	545	446	364	303	248	193	144	97	57	36	18
12.5°	583	477	391	323	264	206	156	107	61	40	21
10°	617	504	414	344	280	217	167	117	69	43	25
7.5°	645	528	435	363	294	229	176	124	77	46	28
5°	668	548	450	377	307	243	184	130	85	49	32
2.5°	687	564	461	389	318	257	191	135	93	51	35
0°	700	575	470	398	326	269	197	139	101	53	38
-2.5°	707	584	483	405	337	275	203	146	105	60	40
-5°	708	589	494	411	347	279	209	153	109	66	41
-7.5°	709	591	500	416	354	282	214	158	112	71	42
-10°	705	591	501	421	356	284	217	162	115	76	42
-12.5°	696	587	501	424	357	287	222	166	118	79	43
-15°	681	581	498	423	356	289	225	167	119	80	44
-17.5°	661	572	494	420	355	289	226	167	119	80	45
-20°	647	562	489	413	353	289	226	165	119	79	47

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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°	631	552	479	407	350	286	224	161	117	78	48
-25°	611	540	469	403	345	283	219	155	115	76	49
-27.5°	593	526	457	397	338	277	211	151	111	74	48
-30°	576	512	447	388	329	269	201	147	108	73	48
-32.5°	557	497	436	376	319	260	190	141	105	72	47
-35°	538	480	421	363	308	249	183	134	102	70	46
-37.5°	518	462	404	349	297	237	179	132	98	67	44
-40°	496	442	386	336	284	225	173	129	94	63	42
-42.5°	474	422	371	324	271	216	166	125	89	60	40
-45°	453	403	355	307	258	206	159	119	84	58	39
-47.5°	431	383	335	287	244	194	150	112	77	55	38
-50°	406	358	310	268	226	181	139	103	74	52	36
-52.5°	377	328	288	250	208	165	128	94	70	50	34
-55°	346	304	268	230	190	151	116	89	66	47	32
-57.5°	323	284	247	209	171	135	106	82	62	44	31
-60°	299	261	225	188	152	122	97	76	57	41	29
-62.5°	270	235	199	164	134	109	88	69	52	38	27
-65°	237	203	170	142	117	97	80	63	47	35	25
-67.5°	200	172	145	121	102	86	70	55	42	31	23
-70°	170	144	122	104	88	74	61	48	36	27	20
-72.5°	142	122	103	87	75	62	51	40	31	23	17
-75°	117	101	85	72	61	51	41	33	25	19	15
-77.5°	93	80	68	58	49	41	33	25	20	17	13
-80°	70	61	52	45	37	31	25	21	17	14	12
-82.5°	50	43	38	33	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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CATALOG NUMBER: GFLD-SA3D-750-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	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	10	5	5	5	0	0
2.5°	14	10	5	5	5	0	0
0°	14	10	5	5	5	0	0
-2.5°	17	10	5	5	5	0	0
-5°	19	11	6	5	5	0	0
-7.5°	22	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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CATALOG NUMBER: GFLD-SA3D-750-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28	12	7	5	4	1	0
-25°	27	13	7	5	4	1	0
-27.5°	27	14	7	5	4	1	0
-30°	27	15	7	5	4	1	0
-32.5°	26	15	7	5	4	1	0
-35°	26	16	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°	26	16	8	5	4	1	0
-47.5°	25	16	9	5	4	1	0
-50°	24	15	9	6	4	1	0
-52.5°	23	15	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	12	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	9	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)