

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: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627986 (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-SA6E-730-U-MWR-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

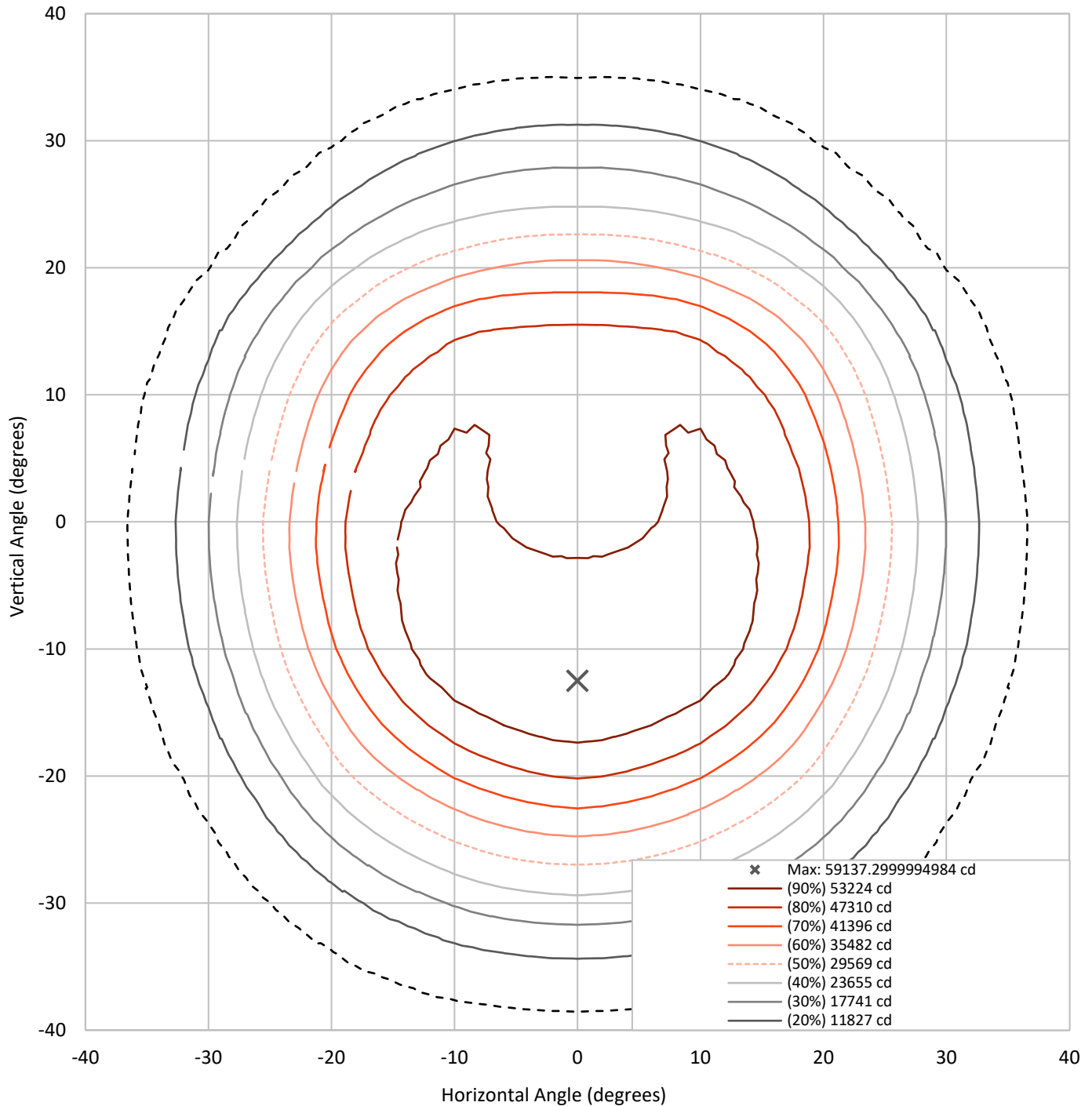
Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	42211.1 lumens	Max Intensity:	59137.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	112.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	28272.9 lumens	Field Lumens:	38046.9 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%

Input Watts (W): 376.7
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: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-730-U-MWR-VSR-XX

Iso-Candela Plot





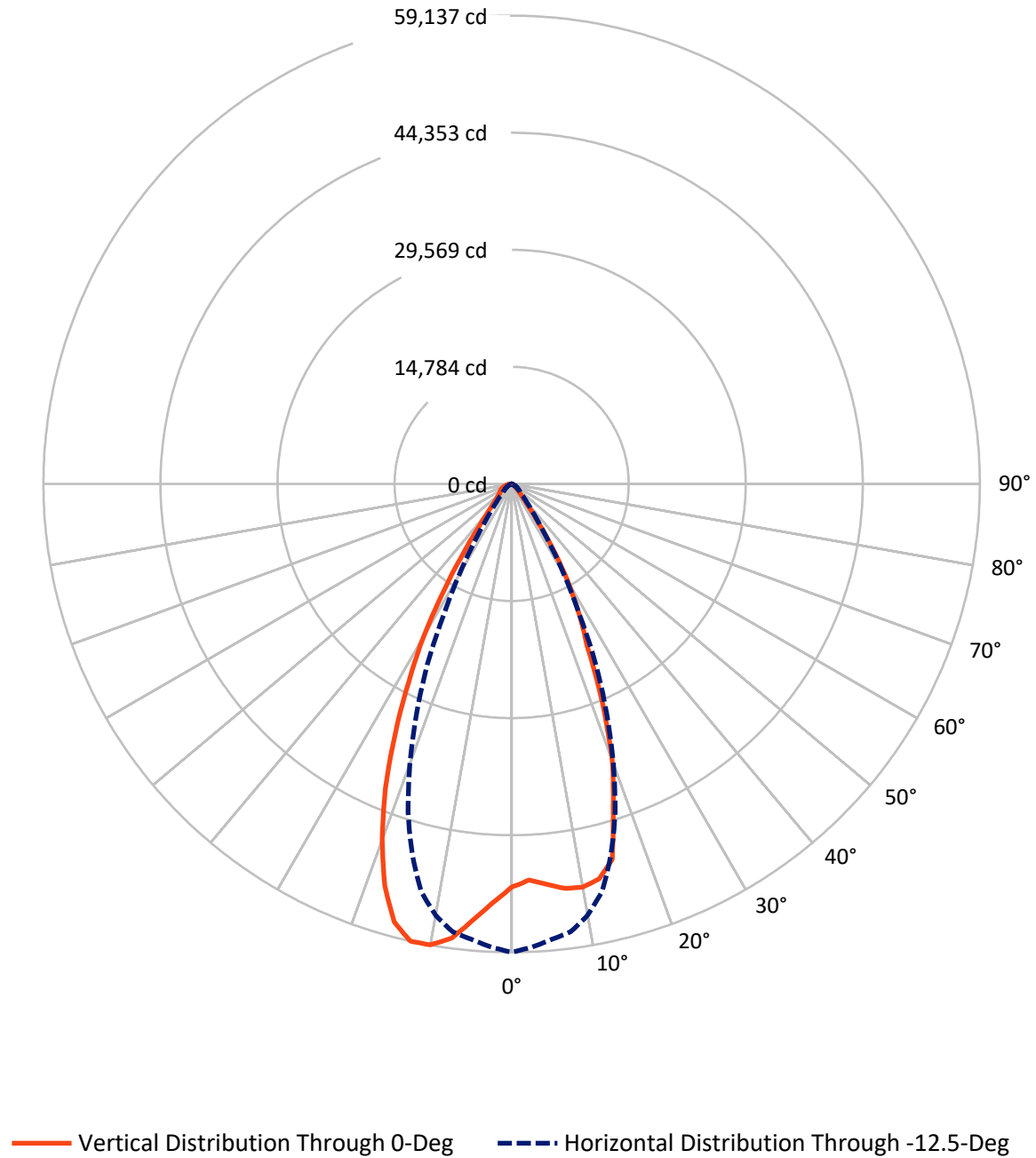
REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1				
50		0.1	0.3	1.4	3.4	5.8	8.0	9.4	9.4	8.0	5.8	3.4	1.4	0.3	0.1				
40	0.2	0.2	1.6	6.0	11.9	19.4	28.9	35.5	35.5	28.9	19.4	11.9	6.0	1.6	0.2				
30		0.8	4.7	12.2	25.3	54.8	124.6	190.3	190.3	124.6	54.8	25.3	12.2	4.7	0.8				
20	0.5	1.7	7.9	19.7	53.0	196.2	505.3	706.3	706.3	505.3	196.2	53.0	19.7	7.9	1.7				
10		2.8	11.0	30.5	126.0	544.9	1136.8	1407.5	1407.5	1136.8	544.9	126.0	30.5	11.0	2.8				
0	0.9	3.7	13.6	39.3	200.7	802.4	1465.7	1589.0	1589.0	1465.7	802.4	200.7	39.3	13.6	3.7				
-10		4.3	15.0	42.1	210.0	828.8	1518.5	1686.5	1686.5	1518.5	828.8	210.0	42.1	15.0	4.3				
-20	1.2	4.7	15.3	38.2	150.2	617.1	1281.0	1635.6	1635.6	1281.0	617.1	150.2	38.2	15.3	4.7				
-30		4.5	14.5	31.8	84.0	299.4	713.8	1004.4	1004.4	713.8	299.4	84.0	31.8	14.5	4.5				
-40	1.1	3.9	13.0	26.4	50.1	106.6	223.0	330.9	330.9	223.0	106.6	50.1	26.4	13.0	3.9				
-50		3.3	10.9	22.0	36.6	54.1	76.1	90.2	90.2	76.1	54.1	36.6	22.0	10.9	3.3				
-60	0.8	2.5	8.2	17.3	28.8	39.9	49.7	54.4	54.4	49.7	39.9	28.8	17.3	8.2	2.5				
-70		1.7	5.2	11.8	20.2	28.5	36.1	40.3	40.3	36.1	28.5	20.2	11.8	5.2	1.7				
-80	0.3	4.7	21.2	45.3	58.0	45.3	21.2	4.7	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

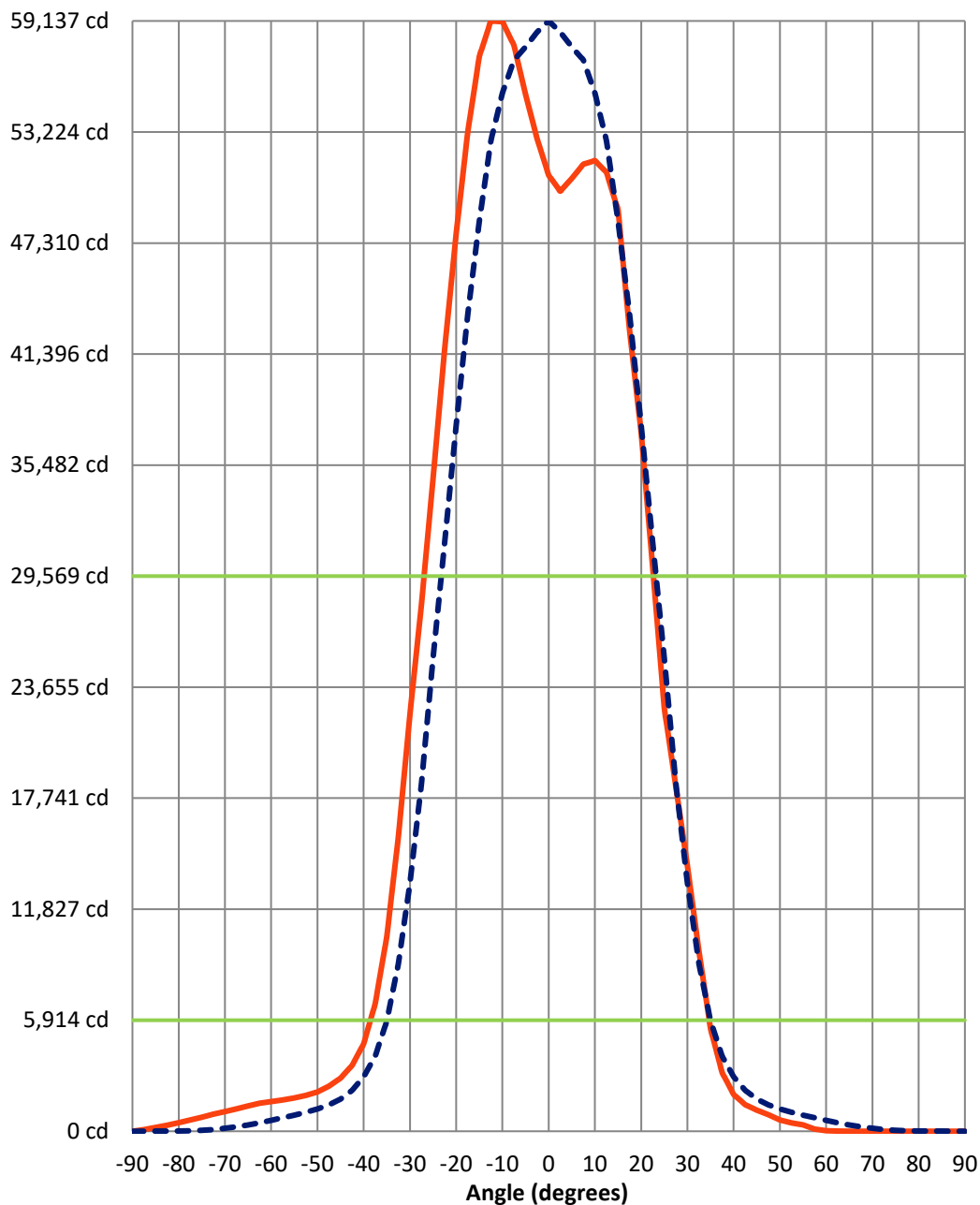
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 28272.9
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 38046.9
 Efficiency: 90.1%

Spill:
 Lumens: 4164.3
 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	1	0	0	0	0	0
72.5°	0	0	0	0	1	1	1	0	0	0	0
70°	0	0	0	0	2	2	1	0	0	0	0
67.5°	0	0	0	1	3	3	1	0	0	1	1
65°	0	0	0	2	4	4	1	0	2	3	3
62.5°	0	0	0	3	5	4	2	2	4	5	6
60°	0	0	0	4	6	4	2	4	7	7	9
57.5°	0	0	1	5	6	4	4	7	8	9	10
55°	0	0	1	6	7	5	6	9	9	10	10
52.5°	0	0	2	7	7	5	7	10	9	10	10
50°	0	0	3	8	7	6	9	10	10	10	11
47.5°	0	0	3	9	7	7	10	11	10	10	13
45°	0	0	4	9	8	8	11	12	10	12	16
42.5°	0	0	5	10	8	9	12	13	11	15	20
40°	0	0	5	10	8	9	13	13	12	18	23
37.5°	0	0	6	10	9	10	14	14	16	22	27
35°	0	0	6	10	9	10	15	14	19	28	36
32.5°	0	0	7	10	9	11	16	15	23	34	58
30°	0	0	7	10	10	12	17	16	27	42	78
27.5°	0	0	8	10	10	13	17	19	32	52	96
25°	0	0	8	10	10	15	18	22	39	65	113
22.5°	0	0	8	10	10	16	19	26	47	80	133
20°	0	0	9	10	10	16	19	29	55	93	153
17.5°	0	0	9	10	10	17	20	32	63	105	174
15°	0	0	9	10	10	18	21	36	72	115	196
12.5°	0	0	9	10	10	18	22	43	80	124	216
10°	0	0	9	10	10	19	24	50	87	140	236
7.5°	0	0	10	10	10	19	25	57	93	156	251
5°	0	0	10	10	10	19	26	64	99	173	264
2.5°	0	0	10	10	10	19	28	71	103	189	274
0°	0	0	10	10	10	19	29	78	107	204	281
-2.5°	0	0	10	10	11	20	34	80	120	213	296
-5°	0	0	10	10	11	21	39	83	133	221	309
-7.5°	0	1	10	10	12	22	44	84	145	227	320
-10°	0	1	9	10	13	23	47	86	154	233	329
-12.5°	0	1	9	10	14	24	51	87	160	238	335
-15°	0	1	9	10	14	24	53	88	163	240	338
-17.5°	0	1	9	10	14	25	54	91	162	241	338
-20°	0	2	9	10	15	25	55	95	160	240	333

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REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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	2	9	10	15	25	56	97	157	237	325
-25°	0	2	9	10	15	27	56	98	154	232	313
-27.5°	0	2	9	10	15	28	55	98	150	225	306
-30°	0	2	8	10	14	30	54	96	148	219	296
-32.5°	0	2	8	10	15	31	52	94	146	212	285
-35°	0	2	8	10	16	31	53	92	142	206	270
-37.5°	0	2	8	10	16	32	53	89	136	199	266
-40°	0	2	8	10	16	32	53	86	128	190	262
-42.5°	0	2	8	10	16	32	53	82	122	181	253
-45°	0	2	8	10	17	32	52	78	116	170	241
-47.5°	0	2	8	11	18	31	50	76	111	157	226
-50°	0	2	8	11	18	31	49	73	105	150	209
-52.5°	0	2	8	11	18	29	47	69	101	142	190
-55°	0	2	8	12	18	29	45	65	96	133	179
-57.5°	0	2	8	12	17	28	43	62	90	125	166
-60°	0	2	8	12	17	27	41	59	83	116	153
-62.5°	0	2	8	12	17	25	38	55	77	106	140
-65°	0	2	7	12	16	23	35	50	70	96	127
-67.5°	0	2	7	12	16	22	32	46	63	85	112
-70°	0	2	6	12	16	21	28	40	55	73	97
-72.5°	0	1	6	11	15	20	26	34	47	62	80
-75°	0	1	5	9	14	19	24	30	38	51	66
-77.5°	0	1	4	8	12	17	22	27	34	41	51
-80°	0	1	3	6	10	14	19	24	29	35	42
-82.5°	0	1	3	5	8	11	15	20	24	29	34
-85°	0	0	2	3	5	7	10	13	17	20	25
-87.5°	0	0	1	2	3	4	5	7	8	10	12
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	1	3	3	2	0	0	0	1	0	0	0
65°	5	6	5	3	0	2	3	3	0	0	0
62.5°	9	8	5	4	5	7	6	3	1	2	3
60°	10	8	7	8	10	9	6	7	8	9	23
57.5°	10	9	9	10	11	10	12	14	35	58	64
55°	10	10	11	13	15	17	26	54	81	100	108
52.5°	11	11	15	18	23	37	67	99	125	145	171
50°	13	16	20	27	43	76	113	148	181	212	249
47.5°	16	20	29	42	79	121	166	211	250	293	347
45°	20	31	42	75	120	173	229	279	320	371	418
42.5°	24	47	71	107	170	234	297	338	384	439	501
40°	40	66	102	156	224	301	357	401	449	526	602
37.5°	60	93	135	206	288	362	416	470	540	629	720
35°	81	119	180	259	350	419	479	546	643	745	853
32.5°	103	143	224	314	400	473	541	640	742	854	1002
30°	125	180	268	365	446	523	618	729	829	967	1141
27.5°	148	218	312	408	490	571	695	803	918	1074	1283
25°	173	257	354	447	532	633	770	885	1003	1202	1483
22.5°	203	294	395	483	571	700	846	988	1143	1342	1689
20°	235	330	431	526	611	763	927	1102	1312	1589	2043
17.5°	264	362	466	569	675	831	1014	1221	1482	1827	2494
15°	291	391	501	612	736	901	1103	1356	1672	2101	2931
12.5°	316	416	534	654	790	964	1180	1455	1829	2446	3489
10°	338	439	566	695	838	1020	1247	1539	1956	2694	3905
7.5°	356	463	595	733	879	1068	1304	1607	2069	2888	4231
5°	372	492	621	762	910	1108	1351	1659	2164	3030	4481
2.5°	386	519	642	786	933	1139	1388	1709	2256	3148	4693
0°	397	543	659	805	950	1163	1416	1745	2327	3229	4858
-2.5°	411	555	682	820	977	1180	1428	1772	2350	3240	4825
-5°	423	564	701	831	998	1190	1432	1782	2347	3215	4725
-7.5°	432	569	715	840	1010	1195	1433	1776	2323	3161	4564
-10°	439	575	720	851	1014	1195	1426	1753	2268	3057	4321
-12.5°	448	581	721	857	1012	1188	1407	1715	2181	2901	4008
-15°	455	585	720	856	1008	1175	1377	1660	2065	2692	3621
-17.5°	457	585	717	848	999	1156	1336	1594	1958	2509	3344
-20°	457	583	713	834	988	1136	1309	1543	1869	2334	3007

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CATALOG NUMBER: GFLD-SA6E-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°	452	579	707	822	969	1116	1276	1482	1755	2137	2680
-25°	443	572	698	815	947	1091	1235	1415	1653	1991	2443
-27.5°	427	560	683	803	924	1064	1199	1362	1570	1830	2192
-30°	407	544	665	785	904	1034	1164	1302	1485	1711	2002
-32.5°	385	526	644	761	881	1004	1127	1255	1411	1599	1827
-35°	371	502	623	733	851	971	1089	1208	1336	1503	1698
-37.5°	362	478	601	705	817	933	1047	1160	1279	1411	1587
-40°	350	454	575	680	781	894	1004	1111	1221	1353	1488
-42.5°	335	437	548	655	750	854	959	1062	1172	1293	1421
-45°	321	416	521	620	718	815	916	1013	1120	1235	1353
-47.5°	303	392	493	581	676	774	871	968	1062	1169	1283
-50°	281	366	458	542	627	724	821	918	1011	1102	1201
-52.5°	259	334	421	505	582	663	763	862	954	1045	1132
-55°	234	304	383	465	543	614	700	800	892	979	1070
-57.5°	214	274	346	423	500	574	653	737	828	913	1001
-60°	197	246	307	379	455	528	605	683	765	848	926
-62.5°	179	221	271	331	401	475	547	621	698	768	839
-65°	162	196	238	288	344	410	479	550	620	683	743
-67.5°	143	173	206	244	293	348	404	468	533	594	652
-70°	123	149	178	210	246	292	343	395	446	500	556
-72.5°	102	126	151	177	209	247	287	328	374	421	468
-75°	84	102	124	146	173	204	237	273	309	346	385
-77.5°	66	82	99	117	137	161	187	216	245	274	304
-80°	51	62	76	90	106	123	141	160	182	206	231
-82.5°	40	48	57	66	77	88	100	114	131	148	166
-85°	29	34	39	44	51	57	65	72	83	94	105
-87.5°	15	17	20	22	25	28	31	34	39	45	50
-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°	3	3	3	4	2	2	5	6	7	7	8
60°	26	18	25	32	31	23	34	39	36	29	30
57.5°	68	73	84	98	108	115	124	134	141	146	150
55°	124	149	176	188	208	240	268	270	276	283	299
52.5°	200	229	242	265	306	332	345	367	392	415	436
50°	290	314	343	380	420	445	454	494	542	581	605
47.5°	381	413	466	532	566	594	635	686	740	797	841
45°	465	524	592	650	695	744	799	862	947	1026	1086
42.5°	561	628	696	764	813	896	991	1066	1187	1293	1359
40°	673	739	837	920	1022	1127	1291	1443	1595	1772	1900
37.5°	808	910	1048	1181	1332	1488	1781	2080	2325	2668	2859
35°	969	1127	1323	1522	1764	2139	2567	3145	3746	4247	4729
32.5°	1157	1358	1627	1984	2391	2993	3635	4700	5738	6775	7792
30°	1340	1633	2045	2535	3204	4157	5367	7013	8795	10357	11770
27.5°	1585	2001	2535	3268	4406	5803	8037	10322	12593	14619	16075
25°	1881	2438	3195	4407	6051	8367	11361	14163	16827	18815	20488
22.5°	2310	3144	4219	5762	8746	11966	15549	19075	22067	24572	26222
20°	2839	3968	5766	8562	12072	16099	20711	24419	28105	30922	33439
17.5°	3588	5386	7924	11477	15670	21042	25790	29925	34606	37485	40053
15°	4262	6573	10192	14724	19637	25331	30930	35995	40513	43678	46548
12.5°	5114	7835	11994	17326	22700	29039	34859	40282	44707	47964	49972
10°	5878	9129	13796	19371	25387	32010	38042	43687	47972	50490	51967
7.5°	6494	10204	15255	21122	27473	34139	40511	46113	50214	52321	53329
5°	6972	11001	16397	22557	29153	35974	42477	47961	51415	53157	53720
2.5°	7330	11556	17166	23502	30288	37329	43970	49374	52321	53577	53764
0°	7573	11946	17666	24095	31261	37815	44777	50265	53067	54076	54173
-2.5°	7515	11805	17644	23880	31149	38034	44906	50322	53321	54676	54896
-5°	7362	11472	17059	23269	30263	37158	43713	49431	53112	55158	56064
-7.5°	7068	10899	16059	22102	28828	35730	42413	48347	52582	55461	57234
-10°	6565	10060	14779	20624	27253	33829	40437	46595	51156	54622	57092
-12.5°	5879	8922	13218	18532	25195	31335	37592	43492	48470	52743	55296
-15°	5171	7737	11596	16458	22259	28306	34086	39875	44789	48786	51970
-17.5°	4666	6700	9718	13973	19067	24803	30442	35761	40195	43952	47291
-20°	4028	5538	7928	11506	15991	21005	26407	31140	35100	38623	41813



REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	3520	4743	6469	8910	12939	17361	21780	26139	29861	32998	35721
-25°	3059	3917	5266	7251	9871	13690	17414	21094	24530	27447	29899
-27.5°	2696	3379	4278	5691	7680	9909	13171	16247	19201	21868	24180
-30°	2367	2879	3582	4466	5818	7474	9436	11736	14092	16197	18298
-32.5°	2130	2495	2978	3634	4391	5577	6763	8310	9802	11337	12844
-35°	1918	2211	2540	2979	3498	4190	4971	5916	6714	7719	8645
-37.5°	1772	1978	2230	2507	2878	3264	3794	4368	4862	5422	5893
-40°	1651	1813	1983	2170	2425	2686	3028	3351	3664	4005	4260
-42.5°	1550	1680	1803	1947	2098	2308	2537	2738	2928	3129	3295
-45°	1470	1567	1666	1778	1893	2044	2207	2357	2481	2593	2684
-47.5°	1385	1472	1559	1645	1744	1854	1960	2056	2160	2246	2309
-50°	1300	1387	1466	1541	1626	1712	1796	1873	1946	2011	2051
-52.5°	1219	1307	1385	1454	1526	1597	1667	1736	1800	1857	1884
-55°	1156	1238	1317	1379	1439	1499	1562	1627	1687	1742	1759
-57.5°	1088	1171	1247	1304	1360	1413	1471	1531	1589	1641	1658
-60°	1009	1097	1163	1217	1274	1333	1387	1441	1494	1539	1558
-62.5°	915	993	1055	1108	1159	1207	1266	1324	1379	1425	1452
-65°	804	871	930	984	1033	1080	1136	1189	1239	1279	1307
-67.5°	706	759	808	855	904	952	1003	1053	1100	1135	1158
-70°	609	659	704	749	792	834	876	917	958	988	1011
-72.5°	515	558	597	637	676	713	749	785	819	846	868
-75°	425	462	496	529	562	592	620	647	674	697	717
-77.5°	335	365	394	423	451	474	496	517	537	556	575
-80°	256	278	299	321	342	360	377	393	408	423	437
-82.5°	184	198	212	226	241	253	265	277	288	299	309
-85°	117	125	133	141	148	156	163	170	177	184	191
-87.5°	56	59	63	67	70	74	77	81	84	88	91
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	9	9	10	10	10	9	9	8	7	7	6
60°	30	29	29	29	29	29	30	30	29	36	39
57.5°	146	136	126	116	126	136	146	150	146	141	134
55°	317	335	342	339	342	335	317	299	283	276	270
52.5°	450	459	456	446	456	459	450	436	415	392	367
50°	615	616	611	601	611	616	615	605	581	542	494
47.5°	864	877	883	882	883	877	864	841	797	740	686
45°	1109	1121	1126	1125	1126	1121	1109	1086	1026	947	862
42.5°	1394	1416	1423	1416	1423	1416	1394	1359	1293	1187	1066
40°	1976	2001	1989	1959	1989	2001	1976	1900	1772	1595	1443
37.5°	2993	3090	3131	3132	3131	3090	2993	2859	2668	2325	2080
35°	5163	5508	5667	5469	5667	5508	5163	4729	4247	3746	3145
32.5°	8622	9235	9580	9580	9580	9235	8622	7792	6775	5738	4700
30°	12838	13605	14036	14127	14036	13605	12838	11770	10357	8795	7013
27.5°	17211	18003	18415	18355	18415	18003	17211	16075	14619	12593	10322
25°	21598	22198	22544	22553	22544	22198	21598	20488	18815	16827	14163
22.5°	28078	29341	29861	30000	29861	29341	28078	26222	24572	22067	19075
20°	35143	36367	37157	37204	37157	36367	35143	33439	30922	28105	24419
17.5°	41874	42481	42593	42644	42593	42481	41874	40053	37485	34606	29925
15°	48218	48432	48993	49063	48993	48432	48218	46548	43678	40513	35995
12.5°	51232	51427	51331	51070	51331	51427	51232	49972	47964	44707	40282
10°	52875	52600	52192	51700	52192	52600	52875	51967	50490	47972	43687
7.5°	53246	52942	52221	51506	52221	52942	53246	53329	52321	50214	46113
5°	53423	52528	51618	50750	51618	52528	53423	53720	53157	51415	47961
2.5°	53319	52254	51004	50071	51004	52254	53319	53764	53577	52321	49374
0°	53659	52583	51274	50925	51274	52583	53659	54173	54076	53067	50265
-2.5°	54606	53734	53050	52864	53050	53734	54606	54896	54676	53321	50322
-5°	56310	56118	54957	55230	54957	56118	56310	56064	55158	53112	49431
-7.5°	57957	57683	57192	57828	57192	57683	57957	57234	55461	52582	48347
-10°	58394	58305	58534	59098	58534	58305	58394	57092	54622	51156	46595
-12.5°	57052	57755	58544	59137	58544	57755	57052	55296	52743	48470	43492
-15°	54061	55499	56677	57237	56677	55499	54061	51970	48786	44789	39875
-17.5°	49655	51418	52815	53213	52815	51418	49655	47291	43952	40195	35761
-20°	44231	46024	47295	47802	47295	46024	44231	41813	38623	35100	31140

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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°	38126	39877	41029	41636	41029	39877	38126	35721	32998	29861	26139
-25°	31931	33470	34492	34761	34492	33470	31931	29899	27447	24530	21094
-27.5°	26006	27244	27997	28080	27997	27244	26006	24180	21868	19201	16247
-30°	20046	21195	21848	22195	21848	21195	20046	18298	16197	14092	11736
-32.5°	14078	14991	15543	15689	15543	14991	14078	12844	11337	9802	8310
-35°	9387	9954	10304	10375	10304	9954	9387	8645	7719	6714	5916
-37.5°	6276	6553	6723	6807	6723	6553	6276	5893	5422	4862	4368
-40°	4446	4576	4649	4664	4649	4576	4446	4260	4005	3664	3351
-42.5°	3401	3467	3501	3510	3501	3467	3401	3295	3129	2928	2738
-45°	2748	2794	2822	2831	2822	2794	2748	2684	2593	2481	2357
-47.5°	2351	2381	2399	2405	2399	2381	2351	2309	2246	2160	2056
-50°	2074	2091	2097	2094	2097	2091	2074	2051	2011	1946	1873
-52.5°	1900	1911	1914	1910	1914	1911	1900	1884	1857	1800	1736
-55°	1770	1778	1779	1774	1779	1778	1770	1759	1742	1687	1627
-57.5°	1671	1681	1678	1668	1678	1681	1671	1658	1641	1589	1531
-60°	1572	1584	1585	1581	1585	1584	1572	1558	1539	1494	1441
-62.5°	1475	1494	1497	1493	1497	1494	1475	1452	1425	1379	1324
-65°	1334	1358	1357	1348	1357	1358	1334	1307	1279	1239	1189
-67.5°	1178	1195	1197	1193	1197	1195	1178	1158	1135	1100	1053
-70°	1032	1051	1051	1047	1051	1051	1032	1011	988	958	917
-72.5°	888	906	910	911	910	906	888	868	846	819	785
-75°	735	752	751	747	751	752	735	717	697	674	647
-77.5°	592	608	605	601	605	608	592	575	556	537	517
-80°	451	463	460	456	460	463	451	437	423	408	393
-82.5°	319	328	325	320	325	328	319	309	299	288	277
-85°	197	203	203	204	203	203	197	191	184	177	170
-87.5°	94	97	92	87	92	97	94	91	88	84	81
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627986 (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°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	1
65°	0	0	0	0	0	0	0	0	0	0	3
62.5°	5	2	2	4	3	3	3	3	2	1	3
60°	34	23	31	32	25	18	26	23	9	8	7
57.5°	124	115	108	98	84	73	68	64	58	35	14
55°	268	240	208	188	176	149	124	108	100	81	54
52.5°	345	332	306	265	242	229	200	171	145	125	99
50°	454	445	420	380	343	314	290	249	212	181	148
47.5°	635	594	566	532	466	413	381	347	293	250	211
45°	799	744	695	650	592	524	465	418	371	320	279
42.5°	991	896	813	764	696	628	561	501	439	384	338
40°	1291	1127	1022	920	837	739	673	602	526	449	401
37.5°	1781	1488	1332	1181	1048	910	808	720	629	540	470
35°	2567	2139	1764	1522	1323	1127	969	853	745	643	546
32.5°	3635	2993	2391	1984	1627	1358	1157	1002	854	742	640
30°	5367	4157	3204	2535	2045	1633	1340	1141	967	829	729
27.5°	8037	5803	4406	3268	2535	2001	1585	1283	1074	918	803
25°	11361	8367	6051	4407	3195	2438	1881	1483	1202	1003	885
22.5°	15549	11966	8746	5762	4219	3144	2310	1689	1342	1143	988
20°	20711	16099	12072	8562	5766	3968	2839	2043	1589	1312	1102
17.5°	25790	21042	15670	11477	7924	5386	3588	2494	1827	1482	1221
15°	30930	25331	19637	14724	10192	6573	4262	2931	2101	1672	1356
12.5°	34859	29039	22700	17326	11994	7835	5114	3489	2446	1829	1455
10°	38042	32010	25387	19371	13796	9129	5878	3905	2694	1956	1539
7.5°	40511	34139	27473	21122	15255	10204	6494	4231	2888	2069	1607
5°	42477	35974	29153	22557	16397	11001	6972	4481	3030	2164	1659
2.5°	43970	37329	30288	23502	17166	11556	7330	4693	3148	2256	1709
0°	44777	37815	31261	24095	17666	11946	7573	4858	3229	2327	1745
-2.5°	44906	38034	31149	23880	17644	11805	7515	4825	3240	2350	1772
-5°	43713	37158	30263	23269	17059	11472	7362	4725	3215	2347	1782
-7.5°	42413	35730	28828	22102	16059	10899	7068	4564	3161	2323	1776
-10°	40437	33829	27253	20624	14779	10060	6565	4321	3057	2268	1753
-12.5°	37592	31335	25195	18532	13218	8922	5879	4008	2901	2181	1715
-15°	34086	28306	22259	16458	11596	7737	5171	3621	2692	2065	1660
-17.5°	30442	24803	19067	13973	9718	6700	4666	3344	2509	1958	1594
-20°	26407	21005	15991	11506	7928	5538	4028	3007	2334	1869	1543

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CATALOG NUMBER: GFLD-SA6E-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°	21780	17361	12939	8910	6469	4743	3520	2680	2137	1755	1482
-25°	17414	13690	9871	7251	5266	3917	3059	2443	1991	1653	1415
-27.5°	13171	9909	7680	5691	4278	3379	2696	2192	1830	1570	1362
-30°	9436	7474	5818	4466	3582	2879	2367	2002	1711	1485	1302
-32.5°	6763	5577	4391	3634	2978	2495	2130	1827	1599	1411	1255
-35°	4971	4190	3498	2979	2540	2211	1918	1698	1503	1336	1208
-37.5°	3794	3264	2878	2507	2230	1978	1772	1587	1411	1279	1160
-40°	3028	2686	2425	2170	1983	1813	1651	1488	1353	1221	1111
-42.5°	2537	2308	2098	1947	1803	1680	1550	1421	1293	1172	1062
-45°	2207	2044	1893	1778	1666	1567	1470	1353	1235	1120	1013
-47.5°	1960	1854	1744	1645	1559	1472	1385	1283	1169	1062	968
-50°	1796	1712	1626	1541	1466	1387	1300	1201	1102	1011	918
-52.5°	1667	1597	1526	1454	1385	1307	1219	1132	1045	954	862
-55°	1562	1499	1439	1379	1317	1238	1156	1070	979	892	800
-57.5°	1471	1413	1360	1304	1247	1171	1088	1001	913	828	737
-60°	1387	1333	1274	1217	1163	1097	1009	926	848	765	683
-62.5°	1266	1207	1159	1108	1055	993	915	839	768	698	621
-65°	1136	1080	1033	984	930	871	804	743	683	620	550
-67.5°	1003	952	904	855	808	759	706	652	594	533	468
-70°	876	834	792	749	704	659	609	556	500	446	395
-72.5°	749	713	676	637	597	558	515	468	421	374	328
-75°	620	592	562	529	496	462	425	385	346	309	273
-77.5°	496	474	451	423	394	365	335	304	274	245	216
-80°	377	360	342	321	299	278	256	231	206	182	160
-82.5°	265	253	241	226	212	198	184	166	148	131	114
-85°	163	156	148	141	133	125	117	105	94	83	72
-87.5°	77	74	70	67	63	59	56	50	45	39	34
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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	3	3	1	1	1	0	0
65°	3	2	0	3	5	6	5	3	3	2	0
62.5°	6	7	5	4	5	8	9	6	5	4	2
60°	6	9	10	8	7	8	10	9	7	7	4
57.5°	12	10	11	10	9	9	10	10	9	8	7
55°	26	17	15	13	11	10	10	10	10	9	9
52.5°	67	37	23	18	15	11	11	10	10	9	10
50°	113	76	43	27	20	16	13	11	10	10	10
47.5°	166	121	79	42	29	20	16	13	10	10	11
45°	229	173	120	75	42	31	20	16	12	10	12
42.5°	297	234	170	107	71	47	24	20	15	11	13
40°	357	301	224	156	102	66	40	23	18	12	13
37.5°	416	362	288	206	135	93	60	27	22	16	14
35°	479	419	350	259	180	119	81	36	28	19	14
32.5°	541	473	400	314	224	143	103	58	34	23	15
30°	618	523	446	365	268	180	125	78	42	27	16
27.5°	695	571	490	408	312	218	148	96	52	32	19
25°	770	633	532	447	354	257	173	113	65	39	22
22.5°	846	700	571	483	395	294	203	133	80	47	26
20°	927	763	611	526	431	330	235	153	93	55	29
17.5°	1014	831	675	569	466	362	264	174	105	63	32
15°	1103	901	736	612	501	391	291	196	115	72	36
12.5°	1180	964	790	654	534	416	316	216	124	80	43
10°	1247	1020	838	695	566	439	338	236	140	87	50
7.5°	1304	1068	879	733	595	463	356	251	156	93	57
5°	1351	1108	910	762	621	492	372	264	173	99	64
2.5°	1388	1139	933	786	642	519	386	274	189	103	71
0°	1416	1163	950	805	659	543	397	281	204	107	78
-2.5°	1428	1180	977	820	682	555	411	296	213	120	80
-5°	1432	1190	998	831	701	564	423	309	221	133	83
-7.5°	1433	1195	1010	840	715	569	432	320	227	145	84
-10°	1426	1195	1014	851	720	575	439	329	233	154	86
-12.5°	1407	1188	1012	857	721	581	448	335	238	160	87
-15°	1377	1175	1008	856	720	585	455	338	240	163	88
-17.5°	1336	1156	999	848	717	585	457	338	241	162	91
-20°	1309	1136	988	834	713	583	457	333	240	160	95

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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°	1276	1116	969	822	707	579	452	325	237	157	97
-25°	1235	1091	947	815	698	572	443	313	232	154	98
-27.5°	1199	1064	924	803	683	560	427	306	225	150	98
-30°	1164	1034	904	785	665	544	407	296	219	148	96
-32.5°	1127	1004	881	761	644	526	385	285	212	146	94
-35°	1089	971	851	733	623	502	371	270	206	142	92
-37.5°	1047	933	817	705	601	478	362	266	199	136	89
-40°	1004	894	781	680	575	454	350	262	190	128	86
-42.5°	959	854	750	655	548	437	335	253	181	122	82
-45°	916	815	718	620	521	416	321	241	170	116	78
-47.5°	871	774	676	581	493	392	303	226	157	111	76
-50°	821	724	627	542	458	366	281	209	150	105	73
-52.5°	763	663	582	505	421	334	259	190	142	101	69
-55°	700	614	543	465	383	304	234	179	133	96	65
-57.5°	653	574	500	423	346	274	214	166	125	90	62
-60°	605	528	455	379	307	246	197	153	116	83	59
-62.5°	547	475	401	331	271	221	179	140	106	77	55
-65°	479	410	344	288	238	196	162	127	96	70	50
-67.5°	404	348	293	244	206	173	143	112	85	63	46
-70°	343	292	246	210	178	149	123	97	73	55	40
-72.5°	287	247	209	177	151	126	102	80	62	47	34
-75°	237	204	173	146	124	102	84	66	51	38	30
-77.5°	187	161	137	117	99	82	66	51	41	34	27
-80°	141	123	106	90	76	62	51	42	35	29	24
-82.5°	100	88	77	66	57	48	40	34	29	24	20
-85°	65	57	51	44	39	34	29	25	20	17	13
-87.5°	31	28	25	22	20	17	15	12	10	8	7
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA6E-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°	1	1	1	0	0	0	0
70°	1	2	2	0	0	0	0
67.5°	1	3	3	1	0	0	0
65°	1	4	4	2	0	0	0
62.5°	2	4	5	3	0	0	0
60°	2	4	6	4	0	0	0
57.5°	4	4	6	5	1	0	0
55°	6	5	7	6	1	0	0
52.5°	7	5	7	7	2	0	0
50°	9	6	7	8	3	0	0
47.5°	10	7	7	9	3	0	0
45°	11	8	8	9	4	0	0
42.5°	12	9	8	10	5	0	0
40°	13	9	8	10	5	0	0
37.5°	14	10	9	10	6	0	0
35°	15	10	9	10	6	0	0
32.5°	16	11	9	10	7	0	0
30°	17	12	10	10	7	0	0
27.5°	17	13	10	10	8	0	0
25°	18	15	10	10	8	0	0
22.5°	19	16	10	10	8	0	0
20°	19	16	10	10	9	0	0
17.5°	20	17	10	10	9	0	0
15°	21	18	10	10	9	0	0
12.5°	22	18	10	10	9	0	0
10°	24	19	10	10	9	0	0
7.5°	25	19	10	10	10	0	0
5°	26	19	10	10	10	0	0
2.5°	28	19	10	10	10	0	0
0°	29	19	10	10	10	0	0
-2.5°	34	20	11	10	10	0	0
-5°	39	21	11	10	10	0	0
-7.5°	44	22	12	10	10	1	0
-10°	47	23	13	10	9	1	0
-12.5°	51	24	14	10	9	1	0
-15°	53	24	14	10	9	1	0
-17.5°	54	25	14	10	9	1	0
-20°	55	25	15	10	9	2	0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56	25	15	10	9	2	0
-25°	56	27	15	10	9	2	0
-27.5°	55	28	15	10	9	2	0
-30°	54	30	14	10	8	2	0
-32.5°	52	31	15	10	8	2	0
-35°	53	31	16	10	8	2	0
-37.5°	53	32	16	10	8	2	0
-40°	53	32	16	10	8	2	0
-42.5°	53	32	16	10	8	2	0
-45°	52	32	17	10	8	2	0
-47.5°	50	31	18	11	8	2	0
-50°	49	31	18	11	8	2	0
-52.5°	47	29	18	11	8	2	0
-55°	45	29	18	12	8	2	0
-57.5°	43	28	17	12	8	2	0
-60°	41	27	17	12	8	2	0
-62.5°	38	25	17	12	8	2	0
-65°	35	23	16	12	7	2	0
-67.5°	32	22	16	12	7	2	0
-70°	28	21	16	12	6	2	0
-72.5°	26	20	15	11	6	1	0
-75°	24	19	14	9	5	1	0
-77.5°	22	17	12	8	4	1	0
-80°	19	14	10	6	3	1	0
-82.5°	15	11	8	5	3	1	0
-85°	10	7	5	3	2	0	0
-87.5°	5	4	3	2	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)