

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: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-750-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627716 (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-750-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35891.1 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 50283 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 24039.8 lumens
Beam Efficiency: 67.0%

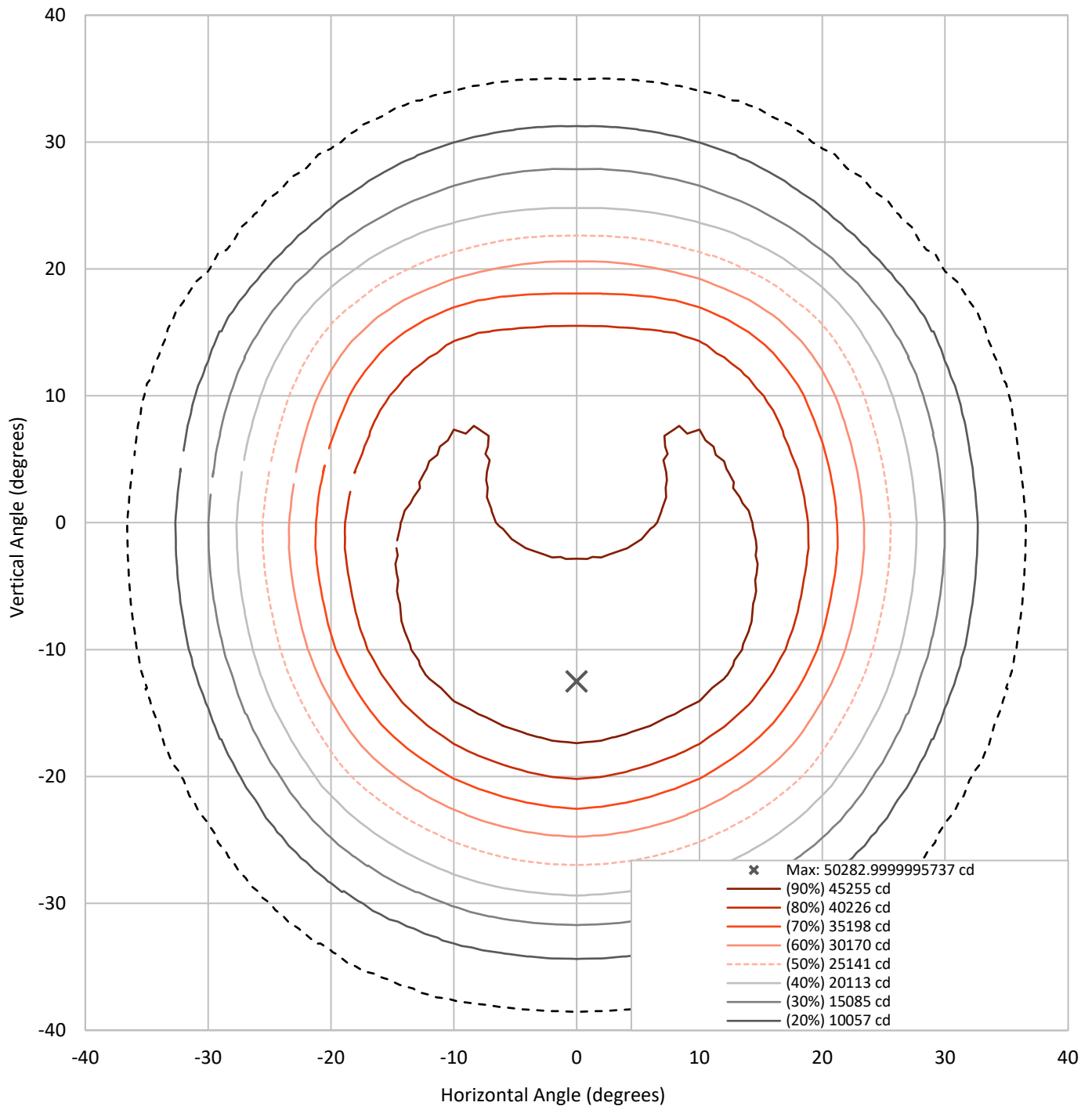
Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 32350.3 lumens
Field Efficiency: 90.1%

Input Watts (W): 271.3
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: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-750-U-MWR-VSR-XX

Iso-Candela Plot





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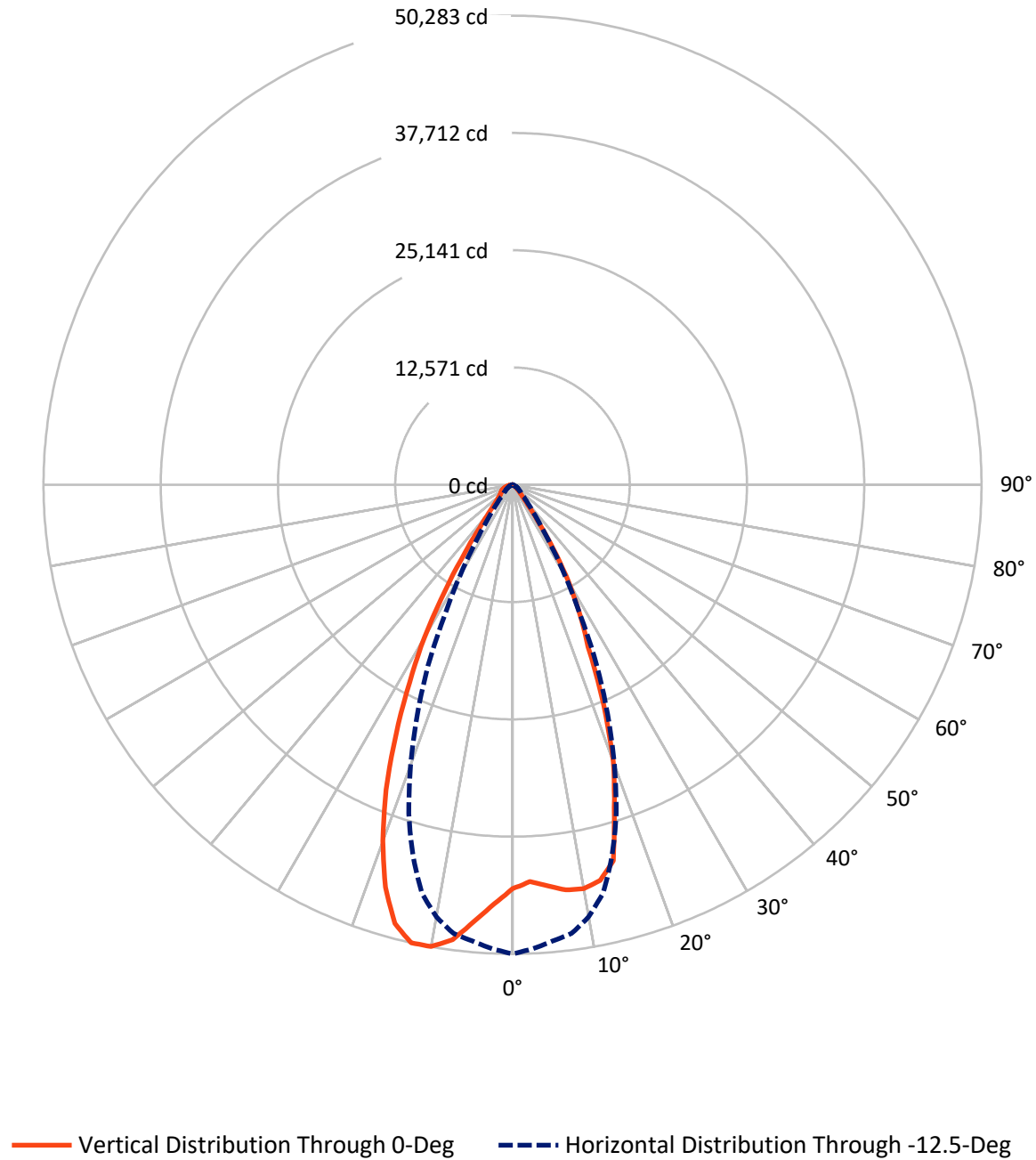
CATALOG NUMBER: GFLD-SA5D-750-U-MWR-VSR-XX

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	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0				
50		0.1	0.2	1.2	2.9	4.9	6.8	8.0	8.0	6.8	4.9	2.9	1.2	0.2	0.1				
40	0.2	0.2	1.4	5.1	10.1	16.5	24.6	30.2	30.2	24.6	16.5	10.1	5.1	1.4	0.2				
30		0.6	4.0	10.4	21.5	46.6	105.9	161.8	161.8	105.9	46.6	21.5	10.4	4.0	0.6				
20	0.4	1.4	6.7	16.8	45.0	166.9	429.6	600.5	600.5	429.6	166.9	45.0	16.8	6.7	1.4				
10		2.4	9.4	25.9	107.2	463.3	966.6	1196.7	1196.7	966.6	463.3	107.2	25.9	9.4	2.4				
0	0.7	3.1	11.6	33.4	170.7	682.3	1246.2	1351.1	1351.1	1246.2	682.3	170.7	33.4	11.6	3.1				
-10		3.7	12.8	35.8	178.5	704.7	1291.1	1434.0	1434.0	1291.1	704.7	178.5	35.8	12.8	3.7				
-20	1.0	4.0	13.0	32.5	127.7	524.7	1089.2	1390.7	1390.7	1089.2	524.7	127.7	32.5	13.0	4.0				
-30		3.8	12.3	27.0	71.4	254.5	606.9	854.0	854.0	606.9	254.5	71.4	27.0	12.3	3.8				
-40	0.9	3.3	11.0	22.4	42.6	90.7	189.6	281.4	281.4	189.6	90.7	42.6	22.4	11.0	3.3				
-50		2.8	9.2	18.7	31.1	46.0	64.7	76.7	76.7	64.7	46.0	31.1	18.7	9.2	2.8				
-60	0.7	2.1	7.0	14.7	24.5	33.9	42.3	46.3	46.3	42.3	33.9	24.5	14.7	7.0	2.1				
-70		1.4	4.4	10.0	17.2	24.2	30.7	34.3	34.3	30.7	24.2	17.2	10.0	4.4	1.4				
-80	0.3	4.0	18.1	38.5	49.3	38.5	18.1	4.0	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

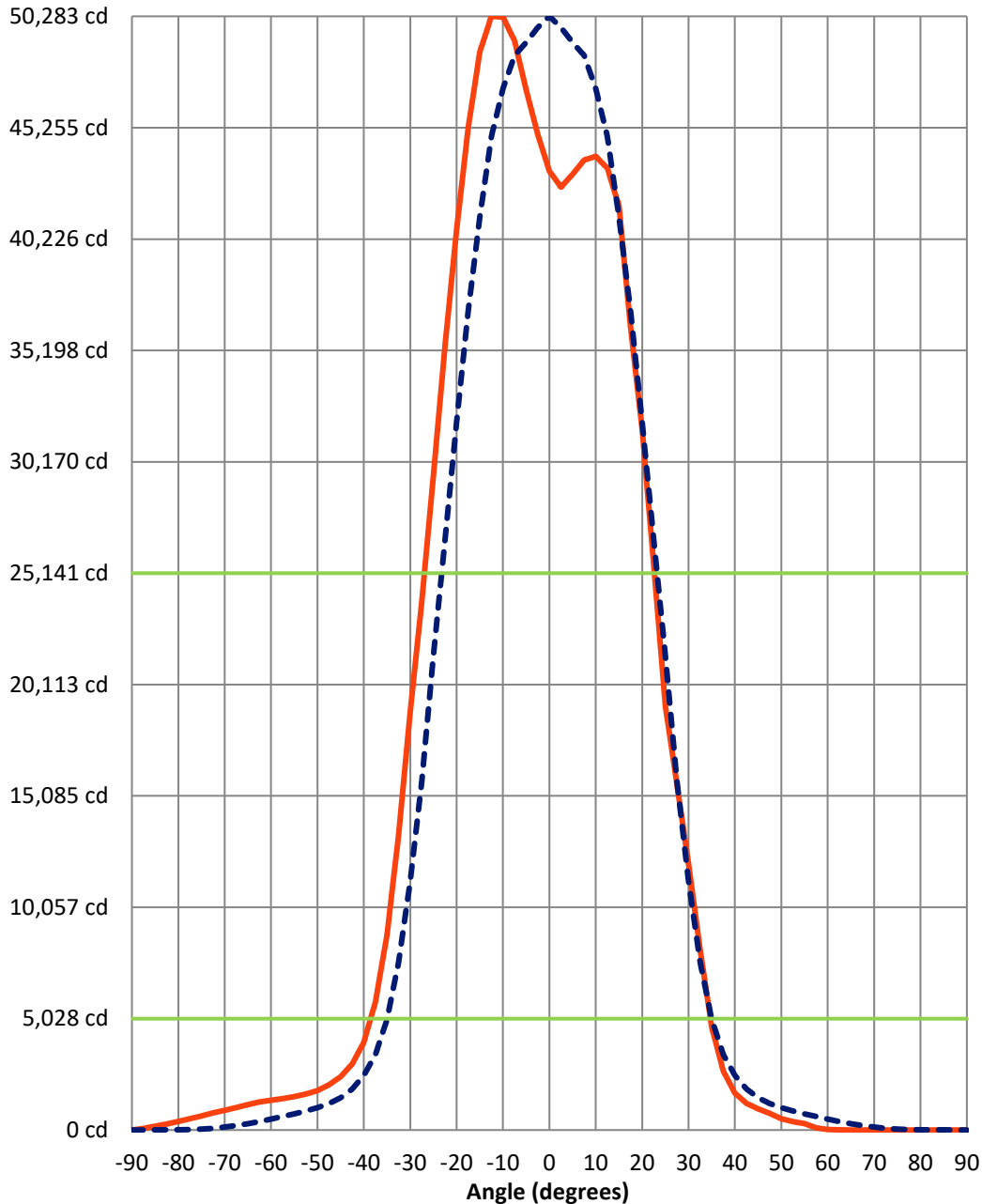
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 24039.8
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 32350.3
 Efficiency: 90.1%

Spill:
 Lumens: 3540.8
 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	2	2	1	0	0	0	0
67.5°	0	0	0	1	2	3	1	0	0	1	1
65°	0	0	0	2	3	3	1	0	2	3	2
62.5°	0	0	0	3	4	3	1	1	4	4	5
60°	0	0	0	3	5	3	2	4	6	6	8
57.5°	0	0	1	4	5	4	3	6	7	7	8
55°	0	0	1	5	6	4	5	8	8	8	8
52.5°	0	0	2	6	6	4	6	8	8	8	8
50°	0	0	2	7	6	5	7	9	8	8	10
47.5°	0	0	3	8	6	6	8	9	8	8	11
45°	0	0	3	8	6	7	9	10	9	10	14
42.5°	0	0	4	8	7	7	10	11	9	13	17
40°	0	0	4	8	7	8	11	11	10	15	20
37.5°	0	0	5	8	7	8	12	12	13	19	23
35°	0	0	5	8	8	9	13	12	16	23	31
32.5°	0	0	6	8	8	10	14	13	20	29	49
30°	0	0	6	8	8	11	14	14	23	36	66
27.5°	0	0	6	8	8	11	15	16	27	44	82
25°	0	0	7	8	8	12	15	19	33	56	96
22.5°	0	0	7	8	8	13	16	22	40	68	113
20°	0	0	7	8	8	14	16	24	47	79	130
17.5°	0	0	7	8	8	15	17	27	54	89	148
15°	0	0	8	8	8	15	18	31	61	98	166
12.5°	0	0	8	8	8	16	19	36	68	106	184
10°	0	0	8	8	8	16	20	42	74	119	201
7.5°	0	0	8	8	8	16	21	49	79	133	214
5°	0	0	8	8	8	16	22	55	84	147	224
2.5°	0	0	8	8	8	16	24	61	87	160	233
0°	0	0	8	8	8	17	25	66	91	173	239
-2.5°	0	0	8	8	9	17	29	68	102	181	252
-5°	0	0	8	8	10	18	33	70	113	188	263
-7.5°	0	1	8	8	10	19	37	72	123	193	272
-10°	0	1	8	8	11	19	40	73	131	198	279
-12.5°	0	1	8	8	11	20	43	74	136	202	285
-15°	0	1	8	8	12	20	45	75	138	204	287
-17.5°	0	1	8	8	12	21	46	77	137	205	287
-20°	0	1	8	8	13	21	47	80	136	204	284

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CATALOG NUMBER: GFLD-SA5D-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	7	8	13	21	47	83	134	201	277
-25°	0	2	7	8	13	23	47	83	131	197	266
-27.5°	0	2	7	8	12	24	47	83	128	191	260
-30°	0	2	7	8	12	25	46	82	126	186	252
-32.5°	0	2	7	8	13	26	45	80	124	180	242
-35°	0	2	7	8	13	27	45	78	121	175	230
-37.5°	0	2	7	8	13	27	45	76	116	169	226
-40°	0	2	7	8	14	27	45	73	109	162	223
-42.5°	0	2	7	8	14	27	45	69	103	154	215
-45°	0	2	7	9	15	27	44	67	99	144	205
-47.5°	0	2	7	9	15	27	42	65	94	133	192
-50°	0	2	7	9	15	26	41	62	89	128	178
-52.5°	0	2	7	10	15	25	40	59	85	121	162
-55°	0	2	7	10	15	24	39	55	81	113	152
-57.5°	0	2	7	10	15	24	37	53	76	106	141
-60°	0	2	7	10	14	23	34	50	71	98	130
-62.5°	0	2	7	10	14	21	32	47	66	90	119
-65°	0	2	6	10	14	20	30	43	60	81	108
-67.5°	0	1	6	10	14	19	27	39	53	72	95
-70°	0	1	5	10	13	18	24	34	47	62	82
-72.5°	0	1	5	9	13	17	22	29	40	53	68
-75°	0	1	4	8	12	16	20	26	33	44	56
-77.5°	0	1	3	7	10	15	18	23	29	35	44
-80°	0	1	3	5	8	12	17	20	25	30	36
-82.5°	0	1	2	4	6	9	13	17	21	25	29
-85°	0	0	1	3	4	6	9	11	14	17	21
-87.5°	0	0	1	1	2	3	4	6	7	9	10
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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	1	1	0	0	0	0	0	0	0
67.5°	1	2	3	2	0	0	0	1	0	0	0
65°	4	5	4	2	0	2	3	2	0	0	0
62.5°	8	6	5	3	5	6	5	3	1	2	3
60°	8	7	6	6	8	7	5	6	7	8	20
57.5°	8	8	7	9	9	9	10	12	30	49	55
55°	8	8	9	11	12	14	22	46	69	85	92
52.5°	9	9	13	15	19	31	57	84	106	123	145
50°	11	13	17	23	36	64	96	126	154	181	212
47.5°	14	17	25	36	67	103	141	179	213	249	295
45°	17	27	35	64	102	147	195	238	272	315	355
42.5°	21	40	60	91	145	199	253	288	326	373	426
40°	34	56	87	133	191	256	303	341	382	447	512
37.5°	51	79	115	175	245	308	354	399	459	535	612
35°	69	101	153	220	298	356	407	465	547	633	725
32.5°	88	121	190	267	340	402	460	544	631	726	852
30°	106	153	228	311	379	445	525	619	705	822	970
27.5°	125	185	266	347	417	485	591	682	780	914	1091
25°	147	219	301	380	452	538	655	752	853	1022	1261
22.5°	172	250	335	411	486	595	720	840	972	1141	1436
20°	200	280	367	447	519	649	789	937	1115	1351	1737
17.5°	225	308	396	484	574	707	862	1038	1260	1554	2121
15°	248	332	426	520	626	766	938	1153	1422	1787	2492
12.5°	269	354	454	556	672	820	1003	1237	1555	2080	2967
10°	287	373	481	591	713	867	1060	1308	1664	2290	3321
7.5°	303	394	506	624	748	908	1109	1366	1759	2456	3597
5°	317	418	528	648	774	942	1149	1411	1840	2577	3810
2.5°	328	441	546	668	793	969	1181	1453	1918	2676	3991
0°	338	462	561	684	808	989	1204	1484	1979	2745	4130
-2.5°	350	472	580	697	831	1003	1215	1506	1998	2755	4103
-5°	359	479	596	707	849	1012	1217	1515	1996	2734	4018
-7.5°	367	484	608	715	859	1016	1219	1510	1975	2688	3881
-10°	373	489	612	724	862	1016	1213	1491	1928	2599	3674
-12.5°	381	494	613	728	861	1010	1197	1458	1854	2466	3408
-15°	386	497	612	728	857	999	1171	1411	1756	2289	3079
-17.5°	389	498	610	721	850	983	1136	1355	1665	2134	2843
-20°	388	496	606	709	840	966	1113	1312	1589	1984	2557

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CATALOG NUMBER: GFLD-SA5D-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°	384	493	601	699	824	949	1085	1260	1492	1817	2279
-25°	377	486	593	693	806	928	1050	1203	1406	1693	2077
-27.5°	363	476	581	682	786	904	1019	1158	1335	1556	1864
-30°	346	463	566	667	769	879	990	1107	1263	1455	1702
-32.5°	328	447	548	647	749	854	958	1067	1200	1360	1553
-35°	315	427	529	623	724	826	926	1027	1136	1278	1444
-37.5°	308	407	511	599	694	794	890	987	1088	1199	1350
-40°	297	386	489	578	664	760	853	945	1038	1150	1265
-42.5°	285	371	466	557	638	726	815	903	997	1100	1208
-45°	273	354	443	528	610	693	779	861	952	1050	1150
-47.5°	257	334	419	494	575	658	741	823	903	994	1091
-50°	239	311	389	461	533	615	698	781	860	937	1021
-52.5°	220	284	358	429	495	564	649	733	811	888	962
-55°	199	259	326	395	461	522	595	680	758	833	910
-57.5°	182	233	294	360	425	488	555	627	704	777	851
-60°	168	209	261	322	387	449	514	581	651	721	787
-62.5°	152	188	230	281	341	404	465	528	594	653	713
-65°	137	166	202	245	292	349	407	468	527	581	632
-67.5°	121	147	176	208	249	296	344	398	454	505	554
-70°	104	127	152	179	210	248	292	335	380	425	473
-72.5°	87	107	128	150	178	210	244	279	318	358	398
-75°	71	87	105	124	147	173	202	232	263	294	327
-77.5°	56	70	84	99	116	137	159	183	208	233	258
-80°	43	52	64	77	90	105	120	136	155	176	197
-82.5°	34	41	48	56	65	75	85	97	111	126	141
-85°	25	29	33	38	43	49	55	61	70	80	90
-87.5°	12	14	17	19	21	24	26	29	33	38	42
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627716 (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	3	3	3	2	2	4	5	6	6	7
60°	22	16	21	27	26	20	29	33	31	25	26
57.5°	58	62	71	83	92	98	105	114	120	124	127
55°	106	127	149	160	177	204	228	230	234	240	254
52.5°	170	194	206	226	260	282	293	312	333	353	371
50°	246	267	292	323	357	379	386	420	461	494	515
47.5°	324	351	396	452	481	505	540	583	629	677	715
45°	395	445	503	552	591	633	679	733	805	872	923
42.5°	477	534	592	649	691	762	843	906	1009	1099	1156
40°	573	628	712	782	869	958	1098	1227	1356	1506	1616
37.5°	687	773	891	1004	1133	1265	1514	1769	1977	2269	2431
35°	824	959	1124	1294	1500	1819	2182	2674	3185	3611	4021
32.5°	983	1155	1383	1687	2033	2545	3091	3997	4879	5760	6626
30°	1139	1388	1739	2155	2724	3534	4563	5963	7479	8806	10008
27.5°	1348	1701	2156	2778	3746	4934	6833	8777	10707	12431	13669
25°	1599	2073	2717	3747	5145	7114	9660	12042	14308	15998	17421
22.5°	1964	2673	3587	4899	7436	10175	13221	16219	18763	20893	22296
20°	2414	3374	4902	7280	10264	13689	17610	20762	23897	26293	28433
17.5°	3051	4580	6738	9758	13323	17892	21929	25445	29424	31873	34056
15°	3624	5589	8666	12519	16697	21539	26299	30606	34447	37138	39578
12.5°	4348	6662	10198	14732	19301	24691	29640	34251	38013	40783	42490
10°	4998	7762	11730	16471	21586	27217	32346	37146	40790	42930	44186
7.5°	5522	8676	12971	17959	23359	29027	34446	39209	42696	44487	45344
5°	5928	9354	13942	19179	24788	30588	36117	40780	43717	45198	45677
2.5°	6233	9825	14596	19983	25753	31740	37386	41982	44487	45555	45714
0°	6439	10157	15021	20487	26580	32153	38073	42739	45122	45979	46062
-2.5°	6390	10037	15003	20305	26485	32339	38182	42788	45337	46489	46677
-5°	6260	9755	14505	19785	25732	31594	37168	42030	45159	46899	47670
-7.5°	6010	9267	13655	18792	24512	30380	36063	41108	44709	47157	48665
-10°	5582	8554	12566	17536	23173	28764	34383	39619	43496	46443	48544
-12.5°	4999	7586	11239	15757	21423	26644	31963	36980	41213	44846	47017
-15°	4397	6579	9860	13994	18927	24068	28983	33905	38083	41482	44189
-17.5°	3968	5697	8263	11881	16212	21090	25884	30406	34177	37371	40211
-20°	3425	4709	6741	9783	13596	17860	22453	26478	29845	32840	35553



REPORT NUMBER: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	2993	4033	5501	7576	11001	14762	18519	22225	25390	28057	30372
-25°	2601	3331	4478	6165	8393	11641	14807	17935	20858	23337	25422
-27.5°	2293	2873	3638	4839	6530	8425	11199	13814	16327	18594	20560
-30°	2012	2448	3046	3797	4947	6355	8023	9979	11982	13772	15558
-32.5°	1811	2121	2532	3090	3734	4742	5750	7066	8334	9640	10921
-35°	1631	1880	2160	2533	2974	3563	4227	5031	5709	6564	7351
-37.5°	1507	1682	1896	2131	2447	2775	3226	3714	4134	4610	5010
-40°	1404	1542	1686	1845	2062	2284	2575	2849	3116	3406	3622
-42.5°	1318	1429	1533	1656	1784	1962	2157	2328	2490	2661	2802
-45°	1250	1333	1417	1512	1610	1738	1876	2004	2110	2205	2282
-47.5°	1177	1251	1326	1399	1483	1576	1667	1748	1836	1910	1964
-50°	1105	1179	1246	1310	1382	1456	1527	1593	1655	1710	1743
-52.5°	1036	1112	1178	1236	1297	1358	1417	1476	1530	1579	1602
-55°	983	1053	1120	1172	1224	1275	1328	1383	1434	1481	1496
-57.5°	925	996	1060	1109	1156	1202	1251	1302	1351	1395	1409
-60°	858	933	989	1035	1083	1133	1179	1225	1270	1309	1324
-62.5°	778	845	897	942	985	1026	1077	1126	1173	1211	1235
-65°	683	741	791	837	879	919	966	1011	1054	1087	1112
-67.5°	601	645	687	727	768	809	853	895	935	965	985
-70°	518	560	599	637	673	709	745	780	814	840	860
-72.5°	438	474	508	541	575	606	637	667	696	719	738
-75°	361	393	422	450	478	503	527	550	573	592	609
-77.5°	285	310	335	359	383	403	422	440	457	473	489
-80°	218	236	254	273	291	306	320	334	347	360	372
-82.5°	157	169	181	193	205	215	226	236	245	254	263
-85°	100	106	113	120	126	133	139	145	151	157	162
-87.5°	47	50	54	57	60	63	66	69	72	74	77
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	7	8	8	8	8	8	7	7	6	6	5
60°	26	24	24	25	24	24	26	26	25	31	33
57.5°	124	115	108	99	108	115	124	127	124	120	114
55°	269	284	291	289	291	284	269	254	240	234	230
52.5°	383	390	388	379	388	390	383	371	353	333	312
50°	523	524	519	511	519	524	523	515	494	461	420
47.5°	735	746	751	750	751	746	735	715	677	629	583
45°	943	953	958	956	958	953	943	923	872	805	733
42.5°	1186	1204	1210	1204	1210	1204	1186	1156	1099	1009	906
40°	1680	1701	1691	1665	1691	1701	1680	1616	1506	1356	1227
37.5°	2545	2627	2662	2663	2662	2627	2545	2431	2269	1977	1769
35°	4390	4684	4818	4650	4818	4684	4390	4021	3611	3185	2674
32.5°	7331	7852	8146	8146	8146	7852	7331	6626	5760	4879	3997
30°	10916	11568	11934	12012	11934	11568	10916	10008	8806	7479	5963
27.5°	14634	15307	15658	15607	15658	15307	14634	13669	12431	10707	8777
25°	18364	18874	19168	19177	19168	18874	18364	17421	15998	14308	12042
22.5°	23874	24948	25390	25508	25390	24948	23874	22296	20893	18763	16219
20°	29881	30922	31594	31634	31594	30922	29881	28433	26293	23897	20762
17.5°	35604	36121	36216	36259	36216	36121	35604	34056	31873	29424	25445
15°	40999	41180	41657	41717	41657	41180	40999	39578	37138	34447	30606
12.5°	43562	43727	43645	43424	43645	43727	43562	42490	40783	38013	34251
10°	44958	44724	44377	43960	44377	44724	44958	44186	42930	40790	37146
7.5°	45274	45015	44402	43795	44402	45015	45274	45344	44487	42696	39209
5°	45424	44663	43889	43152	43889	44663	45424	45677	45198	43717	40780
2.5°	45336	44430	43368	42574	43368	44430	45336	45714	45555	44487	41982
0°	45625	44710	43597	43300	43597	44710	45625	46062	45979	45122	42739
-2.5°	46430	45688	45107	44949	45107	45688	46430	46677	46489	45337	42788
-5°	47879	47716	46728	46960	46728	47716	47879	47670	46899	45159	42030
-7.5°	49279	49047	48629	49170	48629	49047	49279	48665	47157	44709	41108
-10°	49651	49575	49770	50250	49770	49575	49651	48544	46443	43496	39619
-12.5°	48510	49108	49778	50283	49778	49108	48510	47017	44846	41213	36980
-15°	45967	47189	48191	48667	48191	47189	45967	44189	41482	38083	33905
-17.5°	42220	43720	44907	45246	44907	43720	42220	40211	37371	34177	30406
-20°	37608	39133	40214	40645	40214	39133	37608	35553	32840	29845	26478

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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°	32418	33906	34886	35402	34886	33906	32418	30372	28057	25390	22225
-25°	27150	28459	29328	29556	29328	28459	27150	25422	23337	20858	17935
-27.5°	22112	23165	23805	23876	23805	23165	22112	20560	18594	16327	13814
-30°	17045	18022	18577	18872	18577	18022	17045	15558	13772	11982	9979
-32.5°	11971	12746	13216	13340	13216	12746	11971	10921	9640	8334	7066
-35°	7981	8464	8761	8822	8761	8464	7981	7351	6564	5709	5031
-37.5°	5336	5572	5717	5788	5717	5572	5336	5010	4610	4134	3714
-40°	3781	3891	3953	3966	3953	3891	3781	3622	3406	3116	2849
-42.5°	2892	2948	2977	2985	2977	2948	2892	2802	2661	2490	2328
-45°	2337	2376	2399	2407	2399	2376	2337	2282	2205	2110	2004
-47.5°	1999	2024	2039	2045	2039	2024	1999	1964	1910	1836	1748
-50°	1763	1778	1783	1781	1783	1778	1763	1743	1710	1655	1593
-52.5°	1615	1625	1627	1624	1627	1625	1615	1602	1579	1530	1476
-55°	1505	1512	1512	1509	1512	1512	1505	1496	1481	1434	1383
-57.5°	1421	1429	1427	1418	1427	1429	1421	1409	1395	1351	1302
-60°	1337	1347	1348	1344	1348	1347	1337	1324	1309	1270	1225
-62.5°	1254	1271	1273	1270	1273	1271	1254	1235	1211	1173	1126
-65°	1134	1154	1154	1146	1154	1154	1134	1112	1087	1054	1011
-67.5°	1002	1016	1017	1014	1017	1016	1002	985	965	935	895
-70°	878	893	894	890	894	893	878	860	840	814	780
-72.5°	755	770	774	775	774	770	755	738	719	696	667
-75°	625	639	638	635	638	639	625	609	592	573	550
-77.5°	503	517	515	511	515	517	503	489	473	457	440
-80°	383	394	391	388	391	394	383	372	360	347	334
-82.5°	271	279	276	272	276	279	271	263	254	245	236
-85°	167	172	173	173	173	172	167	162	157	151	145
-87.5°	80	82	78	74	78	82	80	77	74	72	69
-90°	0	0	0	0	0	0	0	0	0	0	0



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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	2
62.5°	4	2	2	3	3	3	2	3	2	1	3
60°	29	20	26	27	21	16	22	20	8	7	6
57.5°	105	98	92	83	71	62	58	55	49	30	12
55°	228	204	177	160	149	127	106	92	85	69	46
52.5°	293	282	260	226	206	194	170	145	123	106	84
50°	386	379	357	323	292	267	246	212	181	154	126
47.5°	540	505	481	452	396	351	324	295	249	213	179
45°	679	633	591	552	503	445	395	355	315	272	238
42.5°	843	762	691	649	592	534	477	426	373	326	288
40°	1098	958	869	782	712	628	573	512	447	382	341
37.5°	1514	1265	1133	1004	891	773	687	612	535	459	399
35°	2182	1819	1500	1294	1124	959	824	725	633	547	465
32.5°	3091	2545	2033	1687	1383	1155	983	852	726	631	544
30°	4563	3534	2724	2155	1739	1388	1139	970	822	705	619
27.5°	6833	4934	3746	2778	2156	1701	1348	1091	914	780	682
25°	9660	7114	5145	3747	2717	2073	1599	1261	1022	853	752
22.5°	13221	10175	7436	4899	3587	2673	1964	1436	1141	972	840
20°	17610	13689	10264	7280	4902	3374	2414	1737	1351	1115	937
17.5°	21929	17892	13323	9758	6738	4580	3051	2121	1554	1260	1038
15°	26299	21539	16697	12519	8666	5589	3624	2492	1787	1422	1153
12.5°	29640	24691	19301	14732	10198	6662	4348	2967	2080	1555	1237
10°	32346	27217	21586	16471	11730	7762	4998	3321	2290	1664	1308
7.5°	34446	29027	23359	17959	12971	8676	5522	3597	2456	1759	1366
5°	36117	30588	24788	19179	13942	9354	5928	3810	2577	1840	1411
2.5°	37386	31740	25753	19983	14596	9825	6233	3991	2676	1918	1453
0°	38073	32153	26580	20487	15021	10157	6439	4130	2745	1979	1484
-2.5°	38182	32339	26485	20305	15003	10037	6390	4103	2755	1998	1506
-5°	37168	31594	25732	19785	14505	9755	6260	4018	2734	1996	1515
-7.5°	36063	30380	24512	18792	13655	9267	6010	3881	2688	1975	1510
-10°	34383	28764	23173	17536	12566	8554	5582	3674	2599	1928	1491
-12.5°	31963	26644	21423	15757	11239	7586	4999	3408	2466	1854	1458
-15°	28983	24068	18927	13994	9860	6579	4397	3079	2289	1756	1411
-17.5°	25884	21090	16212	11881	8263	5697	3968	2843	2134	1665	1355
-20°	22453	17860	13596	9783	6741	4709	3425	2557	1984	1589	1312

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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°	18519	14762	11001	7576	5501	4033	2993	2279	1817	1492	1260
-25°	14807	11641	8393	6165	4478	3331	2601	2077	1693	1406	1203
-27.5°	11199	8425	6530	4839	3638	2873	2293	1864	1556	1335	1158
-30°	8023	6355	4947	3797	3046	2448	2012	1702	1455	1263	1107
-32.5°	5750	4742	3734	3090	2532	2121	1811	1553	1360	1200	1067
-35°	4227	3563	2974	2533	2160	1880	1631	1444	1278	1136	1027
-37.5°	3226	2775	2447	2131	1896	1682	1507	1350	1199	1088	987
-40°	2575	2284	2062	1845	1686	1542	1404	1265	1150	1038	945
-42.5°	2157	1962	1784	1656	1533	1429	1318	1208	1100	997	903
-45°	1876	1738	1610	1512	1417	1333	1250	1150	1050	952	861
-47.5°	1667	1576	1483	1399	1326	1251	1177	1091	994	903	823
-50°	1527	1456	1382	1310	1246	1179	1105	1021	937	860	781
-52.5°	1417	1358	1297	1236	1178	1112	1036	962	888	811	733
-55°	1328	1275	1224	1172	1120	1053	983	910	833	758	680
-57.5°	1251	1202	1156	1109	1060	996	925	851	777	704	627
-60°	1179	1133	1083	1035	989	933	858	787	721	651	581
-62.5°	1077	1026	985	942	897	845	778	713	653	594	528
-65°	966	919	879	837	791	741	683	632	581	527	468
-67.5°	853	809	768	727	687	645	601	554	505	454	398
-70°	745	709	673	637	599	560	518	473	425	380	335
-72.5°	637	606	575	541	508	474	438	398	358	318	279
-75°	527	503	478	450	422	393	361	327	294	263	232
-77.5°	422	403	383	359	335	310	285	258	233	208	183
-80°	320	306	291	273	254	236	218	197	176	155	136
-82.5°	226	215	205	193	181	169	157	141	126	111	97
-85°	139	133	126	120	113	106	100	90	80	70	61
-87.5°	66	63	60	57	54	50	47	42	38	33	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	1	1	0	0	0	0	0	0
67.5°	0	0	0	2	3	2	1	1	1	0	0
65°	3	2	0	2	4	5	4	2	3	2	0
62.5°	5	6	5	3	5	6	8	5	4	4	1
60°	5	7	8	6	6	7	8	8	6	6	4
57.5°	10	9	9	9	7	8	8	8	7	7	6
55°	22	14	12	11	9	8	8	8	8	8	8
52.5°	57	31	19	15	13	9	9	8	8	8	8
50°	96	64	36	23	17	13	11	10	8	8	9
47.5°	141	103	67	36	25	17	14	11	8	8	9
45°	195	147	102	64	35	27	17	14	10	9	10
42.5°	253	199	145	91	60	40	21	17	13	9	11
40°	303	256	191	133	87	56	34	20	15	10	11
37.5°	354	308	245	175	115	79	51	23	19	13	12
35°	407	356	298	220	153	101	69	31	23	16	12
32.5°	460	402	340	267	190	121	88	49	29	20	13
30°	525	445	379	311	228	153	106	66	36	23	14
27.5°	591	485	417	347	266	185	125	82	44	27	16
25°	655	538	452	380	301	219	147	96	56	33	19
22.5°	720	595	486	411	335	250	172	113	68	40	22
20°	789	649	519	447	367	280	200	130	79	47	24
17.5°	862	707	574	484	396	308	225	148	89	54	27
15°	938	766	626	520	426	332	248	166	98	61	31
12.5°	1003	820	672	556	454	354	269	184	106	68	36
10°	1060	867	713	591	481	373	287	201	119	74	42
7.5°	1109	908	748	624	506	394	303	214	133	79	49
5°	1149	942	774	648	528	418	317	224	147	84	55
2.5°	1181	969	793	668	546	441	328	233	160	87	61
0°	1204	989	808	684	561	462	338	239	173	91	66
-2.5°	1215	1003	831	697	580	472	350	252	181	102	68
-5°	1217	1012	849	707	596	479	359	263	188	113	70
-7.5°	1219	1016	859	715	608	484	367	272	193	123	72
-10°	1213	1016	862	724	612	489	373	279	198	131	73
-12.5°	1197	1010	861	728	613	494	381	285	202	136	74
-15°	1171	999	857	728	612	497	386	287	204	138	75
-17.5°	1136	983	850	721	610	498	389	287	205	137	77
-20°	1113	966	840	709	606	496	388	284	204	136	80

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CATALOG NUMBER: GFLD-SA5D-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°
-22.5°	1085	949	824	699	601	493	384	277	201	134	83
-25°	1050	928	806	693	593	486	377	266	197	131	83
-27.5°	1019	904	786	682	581	476	363	260	191	128	83
-30°	990	879	769	667	566	463	346	252	186	126	82
-32.5°	958	854	749	647	548	447	328	242	180	124	80
-35°	926	826	724	623	529	427	315	230	175	121	78
-37.5°	890	794	694	599	511	407	308	226	169	116	76
-40°	853	760	664	578	489	386	297	223	162	109	73
-42.5°	815	726	638	557	466	371	285	215	154	103	69
-45°	779	693	610	528	443	354	273	205	144	99	67
-47.5°	741	658	575	494	419	334	257	192	133	94	65
-50°	698	615	533	461	389	311	239	178	128	89	62
-52.5°	649	564	495	429	358	284	220	162	121	85	59
-55°	595	522	461	395	326	259	199	152	113	81	55
-57.5°	555	488	425	360	294	233	182	141	106	76	53
-60°	514	449	387	322	261	209	168	130	98	71	50
-62.5°	465	404	341	281	230	188	152	119	90	66	47
-65°	407	349	292	245	202	166	137	108	81	60	43
-67.5°	344	296	249	208	176	147	121	95	72	53	39
-70°	292	248	210	179	152	127	104	82	62	47	34
-72.5°	244	210	178	150	128	107	87	68	53	40	29
-75°	202	173	147	124	105	87	71	56	44	33	26
-77.5°	159	137	116	99	84	70	56	44	35	29	23
-80°	120	105	90	77	64	52	43	36	30	25	20
-82.5°	85	75	65	56	48	41	34	29	25	21	17
-85°	55	49	43	38	33	29	25	21	17	14	11
-87.5°	26	24	21	19	17	14	12	10	9	7	6
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627716 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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	1	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	1	2	2	0	0	0	0
67.5°	1	3	2	1	0	0	0
65°	1	3	3	2	0	0	0
62.5°	1	3	4	3	0	0	0
60°	2	3	5	3	0	0	0
57.5°	3	4	5	4	1	0	0
55°	5	4	6	5	1	0	0
52.5°	6	4	6	6	2	0	0
50°	7	5	6	7	2	0	0
47.5°	8	6	6	8	3	0	0
45°	9	7	6	8	3	0	0
42.5°	10	7	7	8	4	0	0
40°	11	8	7	8	4	0	0
37.5°	12	8	7	8	5	0	0
35°	13	9	8	8	5	0	0
32.5°	14	10	8	8	6	0	0
30°	14	11	8	8	6	0	0
27.5°	15	11	8	8	6	0	0
25°	15	12	8	8	7	0	0
22.5°	16	13	8	8	7	0	0
20°	16	14	8	8	7	0	0
17.5°	17	15	8	8	7	0	0
15°	18	15	8	8	8	0	0
12.5°	19	16	8	8	8	0	0
10°	20	16	8	8	8	0	0
7.5°	21	16	8	8	8	0	0
5°	22	16	8	8	8	0	0
2.5°	24	16	8	8	8	0	0
0°	25	17	8	8	8	0	0
-2.5°	29	17	9	8	8	0	0
-5°	33	18	10	8	8	0	0
-7.5°	37	19	10	8	8	1	0
-10°	40	19	11	8	8	1	0
-12.5°	43	20	11	8	8	1	0
-15°	45	20	12	8	8	1	0
-17.5°	46	21	12	8	8	1	0
-20°	47	21	13	8	8	1	0

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CATALOG NUMBER: GFLD-SA5D-750-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	47	21	13	8	7	1	0
-25°	47	23	13	8	7	2	0
-27.5°	47	24	12	8	7	2	0
-30°	46	25	12	8	7	2	0
-32.5°	45	26	13	8	7	2	0
-35°	45	27	13	8	7	2	0
-37.5°	45	27	13	8	7	2	0
-40°	45	27	14	8	7	2	0
-42.5°	45	27	14	8	7	2	0
-45°	44	27	15	9	7	2	0
-47.5°	42	27	15	9	7	2	0
-50°	41	26	15	9	7	2	0
-52.5°	40	25	15	10	7	2	0
-55°	39	24	15	10	7	2	0
-57.5°	37	24	15	10	7	2	0
-60°	34	23	14	10	7	2	0
-62.5°	32	21	14	10	7	2	0
-65°	30	20	14	10	6	2	0
-67.5°	27	19	14	10	6	1	0
-70°	24	18	13	10	5	1	0
-72.5°	22	17	13	9	5	1	0
-75°	20	16	12	8	4	1	0
-77.5°	18	15	10	7	3	1	0
-80°	17	12	8	5	3	1	0
-82.5°	13	9	6	4	2	1	0
-85°	9	6	4	3	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)