

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: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-730-U-VWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

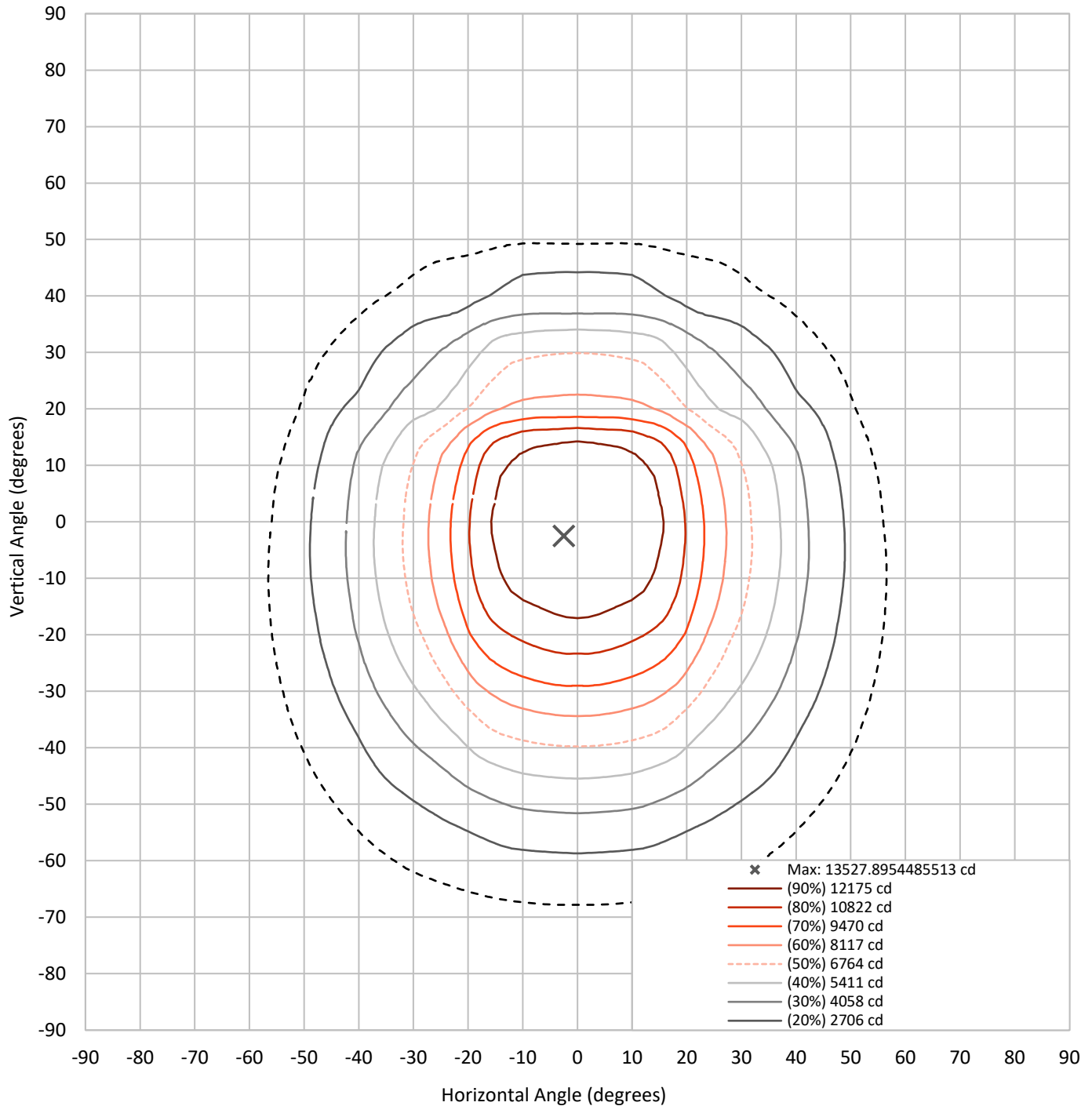
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18053.4 lumens	Max Intensity:	13527.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	97.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	10445.1 lumens	Field Lumens:	17131.5 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	185.2		
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: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

Iso-Candela Plot





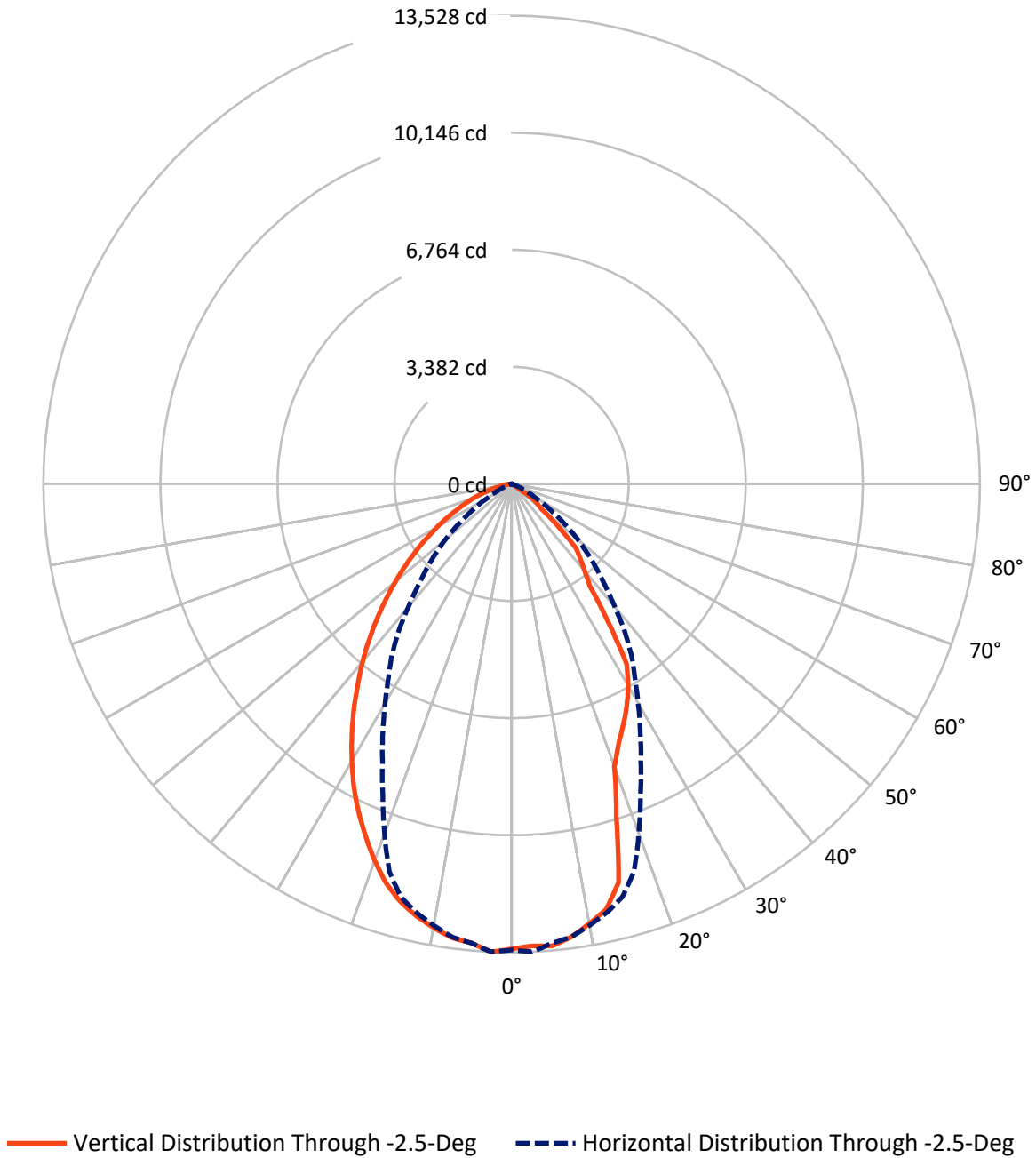
REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.2	0.4	1.7	4.9	9.5	14.1	17.5	17.5	14.1	9.5	4.9	1.7	0.4	0.2				
40	0.3	0.3	2.0	9.2	22.4	40.3	59.5	72.9	72.9	59.5	40.3	22.4	9.2	2.0	0.3	0.3	0.3	0.3	
30		0.9	6.7	23.5	52.3	84.8	127.2	148.7	148.7	127.2	84.8	52.3	23.5	6.7	0.9				
20	0.6	2.0	13.0	41.5	84.3	133.7	200.5	230.5	230.5	200.5	133.7	84.3	41.5	13.0	2.0	0.6	0.6	0.6	
10		3.4	19.9	61.5	121.5	199.9	297.6	341.3	341.3	297.6	199.9	121.5	61.5	19.9	3.4				
0	0.9	4.7	25.9	73.0	145.3	238.9	351.4	398.7	398.7	351.4	238.9	145.3	73.0	25.9	4.7	0.9	0.9	0.9	
-10		5.5	28.5	75.8	149.1	244.3	354.0	400.2	400.2	354.0	244.3	149.1	75.8	28.5	5.5				
-20	1.1	5.8	27.9	71.8	140.6	228.8	328.5	371.2	371.2	328.5	228.8	140.6	71.8	27.9	5.8	1.1	1.1	1.1	
-30		5.3	24.4	62.6	121.5	194.5	275.4	311.9	311.9	275.4	194.5	121.5	62.6	24.4	5.3				
-40	1.1	4.4	19.5	49.2	95.6	150.0	210.3	238.1	238.1	210.3	150.0	95.6	49.2	19.5	4.4	1.1	1.1	1.1	
-50		3.6	14.4	35.1	68.5	105.5	145.6	165.2	165.2	145.6	105.5	68.5	35.1	14.4	3.6				
-60	0.9	2.6	9.4	22.5	42.5	65.5	89.0	101.5	101.5	89.0	65.5	42.5	22.5	9.4	2.6	0.9	0.9	0.9	
-70		1.9	5.7	13.2	23.4	34.7	46.0	52.1	52.1	46.0	34.7	23.4	13.2	5.7	1.9				
-80	0.3	4.2	19.5	42.5	47.4	42.5	19.5	4.2	0.3	4.2	19.5	42.5	47.4	42.5	19.5	4.2	0.3	0.3	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

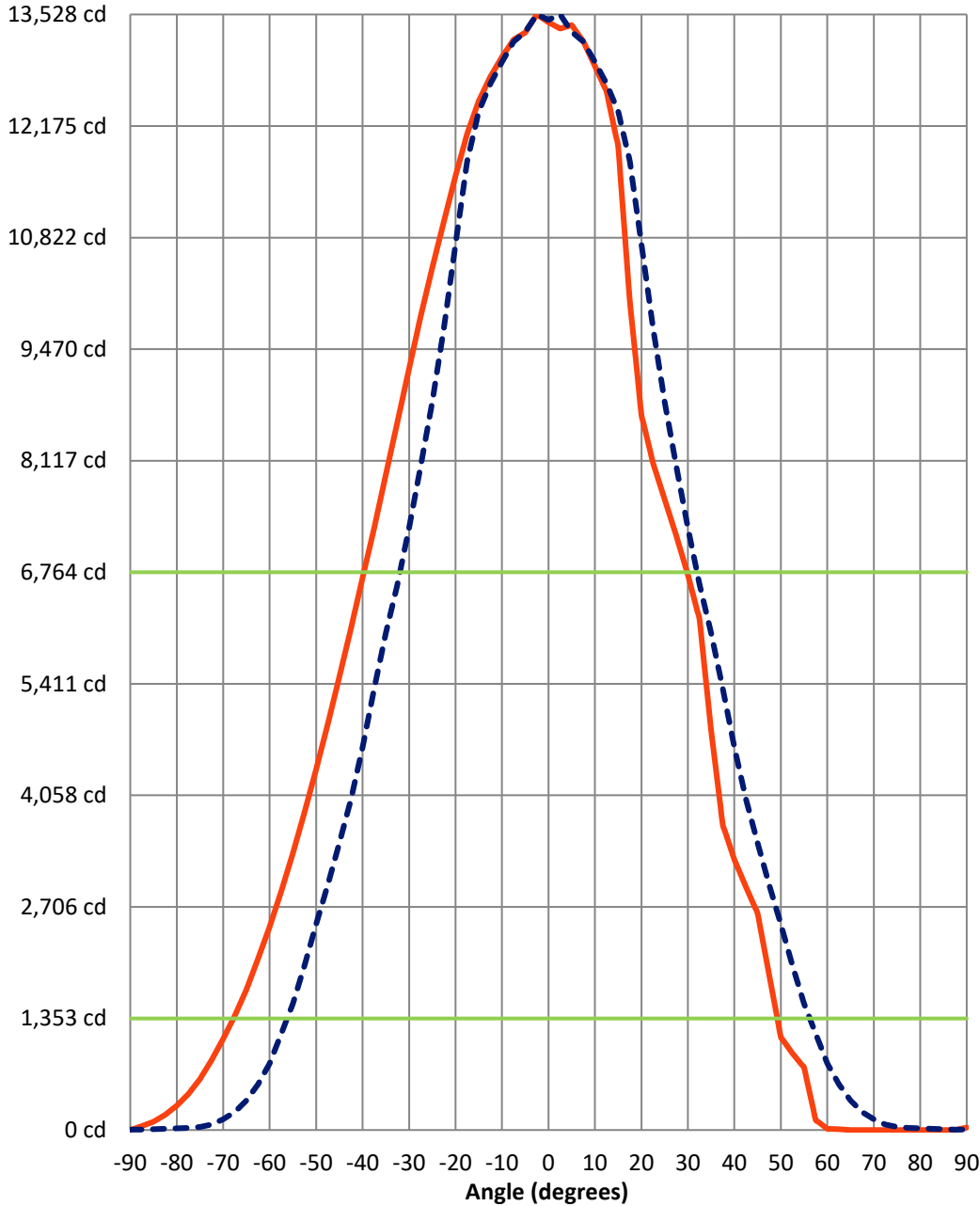
REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 10445.1
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 17131.5
 Efficiency: 94.9%

Spill:
 Lumens: 921.8
 Efficiency: 5.1%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-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°	5	5	5	6	8	9	10	11	13	14	15
87.5°	5	5	5	5	5	4	4	3	2	1	0
85°	5	5	5	5	4	3	2	2	1	0	0
82.5°	5	5	5	5	4	3	1	0	0	1	1
80°	5	5	5	4	3	2	0	1	2	3	3
77.5°	5	5	5	4	3	2	2	2	3	5	5
75°	5	5	5	4	3	2	3	4	5	4	3
72.5°	5	5	5	4	3	3	4	5	4	3	1
70°	5	5	5	4	4	4	5	5	4	2	2
67.5°	5	5	5	4	4	5	5	5	3	4	4
65°	5	5	5	4	4	5	5	5	5	6	6
62.5°	5	5	5	4	5	6	6	6	7	8	7
60°	5	5	5	5	5	6	6	7	9	9	8
57.5°	5	5	5	5	5	7	7	9	10	10	10
55°	5	5	5	5	6	7	8	10	11	12	12
52.5°	5	5	5	5	7	8	10	12	13	14	15
50°	5	5	5	5	7	9	11	13	15	16	17
47.5°	5	5	5	5	8	10	12	15	17	18	19
45°	5	5	6	6	8	11	13	16	19	20	22
42.5°	5	5	6	6	9	12	14	17	20	22	26
40°	5	5	6	7	10	13	16	19	22	24	31
37.5°	5	5	6	7	10	14	17	21	25	28	37
35°	5	5	6	8	11	14	18	23	27	34	47
32.5°	5	5	7	9	12	15	19	25	29	42	67
30°	5	5	7	9	12	16	20	27	32	50	86
27.5°	5	5	7	10	13	17	22	29	36	60	105
25°	5	5	7	10	14	18	23	31	43	73	123
22.5°	5	5	8	11	15	18	25	33	51	89	147
20°	5	5	8	12	15	19	26	35	59	103	172
17.5°	5	5	8	12	16	20	28	36	67	117	195
15°	5	5	9	13	17	21	29	39	75	129	218
12.5°	5	5	9	13	17	22	31	43	84	141	241
10°	5	5	9	14	18	23	32	46	94	155	263
7.5°	5	5	9	14	19	23	33	50	103	168	286
5°	5	5	10	14	19	24	34	54	111	181	307
2.5°	5	5	10	15	20	25	35	57	119	192	327
0°	5	5	10	15	20	25	35	61	126	202	343
-2.5°	5	5	10	15	21	26	37	67	131	218	358
-5°	5	5	10	15	21	26	39	72	135	232	371
-7.5°	5	5	10	15	21	27	41	77	138	243	380
-10°	5	5	10	15	22	27	42	81	141	252	387
-12.5°	5	5	10	15	22	27	43	84	142	256	393
-15°	5	5	10	15	22	28	44	86	145	255	395
-17.5°	5	5	10	14	22	28	44	88	150	253	393
-20°	5	5	9	14	22	28	45	90	153	248	385

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REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5	5	9	14	21	28	48	91	154	242	373
-25°	5	5	9	14	21	30	50	90	153	233	356
-27.5°	5	5	9	13	20	32	52	89	151	226	343
-30°	5	5	9	13	20	34	53	87	148	222	328
-32.5°	5	5	8	13	21	36	54	87	145	217	312
-35°	5	5	8	12	21	37	55	87	140	209	294
-37.5°	5	5	8	12	22	38	57	87	133	199	286
-40°	5	5	8	12	22	38	58	86	125	189	277
-42.5°	5	5	7	11	22	39	58	84	121	181	264
-45°	5	5	7	11	22	38	58	82	118	172	246
-47.5°	5	5	7	11	22	38	57	81	113	160	233
-50°	5	5	6	11	21	37	56	79	110	156	216
-52.5°	5	5	6	11	21	36	54	76	107	150	199
-55°	5	5	6	11	20	34	52	73	104	144	191
-57.5°	5	5	5	10	19	32	50	70	99	136	181
-60°	5	5	5	10	17	30	47	66	93	128	170
-62.5°	5	5	5	9	17	28	43	62	85	118	156
-65°	5	5	5	9	15	25	39	56	76	105	141
-67.5°	5	5	5	8	14	22	34	49	65	89	121
-70°	5	5	5	7	13	20	29	42	56	72	98
-72.5°	5	5	5	7	12	18	26	34	46	60	75
-75°	5	5	5	7	10	16	22	29	36	47	60
-77.5°	5	5	5	7	9	13	19	24	30	36	44
-80°	5	5	5	7	9	12	15	19	24	29	34
-82.5°	5	5	5	7	9	11	14	16	18	22	25
-85°	5	5	5	7	8	10	13	14	16	18	19
-87.5°	5	5	5	6	8	10	11	13	14	16	17
-90°	5	5	5	5	5	5	5	4	2	1	0



REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15	15	15	15	15	15	15	15	16	18	19
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°	1	1	1	0	0	0	0	0	0	0	0
80°	3	3	1	0	0	0	0	0	0	0	0
77.5°	3	1	1	0	0	0	0	0	0	0	0
75°	1	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	0	0	0	0	0	0	0
70°	3	3	2	1	0	0	1	1	0	0	1
67.5°	5	3	2	1	2	3	2	3	3	3	3
65°	5	4	4	4	5	5	6	6	5	5	5
62.5°	5	6	7	7	8	9	9	8	6	7	9
60°	7	8	9	10	11	12	11	11	13	15	28
57.5°	10	11	12	14	15	15	16	17	40	65	72
55°	13	13	15	18	19	19	28	58	88	122	135
52.5°	15	16	20	23	25	39	70	112	156	195	245
50°	18	22	25	30	48	84	130	186	253	315	379
47.5°	22	27	33	47	94	144	207	299	380	456	543
45°	28	37	44	93	147	212	319	431	505	606	761
42.5°	33	52	83	141	207	312	444	540	638	802	965
40°	48	69	126	194	278	431	567	675	809	991	1161
37.5°	66	106	169	251	389	557	702	857	1011	1182	1498
35°	85	140	224	334	500	696	870	1042	1221	1557	1870
32.5°	111	171	281	431	620	836	1038	1237	1523	1904	2217
30°	139	221	347	520	734	964	1206	1447	1826	2141	2482
27.5°	168	274	425	614	840	1084	1358	1702	2039	2351	2725
25°	197	329	495	704	944	1215	1529	1948	2212	2557	2947
22.5°	235	382	565	785	1041	1349	1750	2171	2481	2771	3152
20°	279	441	642	886	1136	1479	1969	2412	2777	3109	3459
17.5°	321	496	723	990	1274	1647	2185	2674	3076	3446	3883
15°	359	548	803	1089	1409	1839	2378	2915	3374	3790	4287
12.5°	394	595	880	1181	1537	2004	2540	3064	3569	4111	4675
10°	425	637	953	1265	1655	2144	2674	3189	3698	4271	4898
7.5°	459	676	1019	1343	1763	2260	2780	3289	3802	4400	5043
5°	490	712	1071	1398	1846	2350	2861	3365	3881	4495	5153
2.5°	517	743	1114	1441	1908	2417	2913	3428	3940	4573	5237
0°	540	768	1146	1475	1954	2464	2944	3469	3974	4626	5292
-2.5°	555	808	1169	1533	1995	2495	2972	3481	4011	4642	5354
-5°	566	841	1182	1577	2022	2509	2981	3472	4021	4638	5363
-7.5°	572	864	1189	1603	2031	2501	2965	3455	4005	4622	5323
-10°	575	871	1197	1595	2019	2474	2931	3415	3959	4571	5247
-12.5°	585	867	1196	1578	1992	2433	2881	3351	3883	4483	5142
-15°	587	856	1181	1553	1952	2379	2814	3264	3789	4397	5025
-17.5°	582	841	1153	1521	1897	2315	2736	3186	3700	4298	4903
-20°	568	820	1111	1484	1833	2243	2658	3103	3599	4160	4766

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CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	546	796	1065	1431	1777	2160	2566	2991	3472	3982	4582
-25°	523	768	1029	1359	1710	2063	2461	2854	3322	3824	4356
-27.5°	502	729	992	1280	1631	1960	2342	2725	3154	3646	4136
-30°	473	687	946	1204	1537	1863	2209	2586	2972	3438	3921
-32.5°	448	644	894	1146	1435	1753	2066	2426	2802	3199	3676
-35°	431	618	839	1079	1332	1634	1931	2244	2609	2982	3400
-37.5°	418	588	781	1009	1250	1510	1788	2075	2393	2770	3163
-40°	397	555	738	942	1155	1391	1649	1910	2185	2553	2941
-42.5°	369	522	697	870	1064	1280	1509	1754	2019	2339	2695
-45°	348	481	652	807	968	1165	1380	1602	1852	2126	2447
-47.5°	322	436	593	738	879	1048	1245	1455	1676	1923	2186
-50°	293	399	521	662	797	937	1105	1299	1500	1715	1950
-52.5°	271	355	467	584	713	839	983	1149	1329	1509	1715
-55°	247	323	415	520	629	747	877	1023	1169	1335	1499
-57.5°	229	292	371	463	561	661	784	907	1043	1180	1316
-60°	216	265	331	411	499	593	693	807	924	1036	1154
-62.5°	201	243	295	360	440	521	610	707	813	907	998
-65°	181	218	262	315	378	446	522	604	695	772	846
-67.5°	158	189	226	270	322	375	431	500	574	637	697
-70°	129	158	188	224	264	310	359	409	460	511	566
-72.5°	99	125	151	176	208	246	286	328	372	416	458
-75°	75	92	115	138	160	184	211	245	286	328	367
-77.5°	57	71	86	102	116	134	153	174	208	247	286
-80°	41	50	61	74	84	94	104	115	140	171	205
-82.5°	30	36	43	50	55	60	66	73	91	113	135
-85°	21	23	26	30	33	36	39	42	52	63	75
-87.5°	18	19	20	21	21	22	22	22	26	29	33
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20	21	23	24	25	26	28	29	30	30	30
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°	2	3	3	2	1	0	0	0	0	0	0
65°	5	5	4	2	1	2	3	4	4	3	3
62.5°	8	7	7	8	9	11	10	10	9	9	9
60°	30	20	23	29	27	18	30	34	29	20	19
57.5°	76	73	84	122	135	123	146	178	177	152	152
55°	161	216	283	294	340	433	505	473	473	497	574
52.5°	306	358	378	429	526	596	641	688	739	792	845
50°	450	500	557	610	744	816	804	901	1025	1102	1142
47.5°	659	739	860	1050	1150	1222	1312	1422	1563	1756	1904
45°	907	1032	1219	1421	1576	1647	1749	1919	2145	2365	2526
42.5°	1108	1280	1492	1684	1811	1927	2060	2203	2462	2697	2883
40°	1372	1506	1743	1925	2038	2153	2364	2578	2822	3041	3193
37.5°	1706	1856	2103	2309	2418	2458	2817	3115	3313	3593	3685
35°	2065	2313	2627	2893	3000	3214	3583	3999	4450	4616	4757
32.5°	2465	2771	3198	3483	3636	3960	4428	4872	5461	5781	5877
30°	2831	3182	3549	3827	4088	4478	4904	5452	5997	6406	6533
27.5°	3100	3488	3841	4101	4395	4816	5348	5902	6437	6855	7003
25°	3357	3795	4075	4377	4723	5181	5771	6387	6914	7266	7448
22.5°	3649	4081	4381	4637	5089	5617	6164	6860	7419	7700	7897
20°	3950	4439	4902	5140	5531	6200	6813	7470	8009	8302	8510
17.5°	4370	4994	5561	5899	6318	7117	7882	8546	9296	9561	9815
15°	4813	5535	6200	6735	7276	8068	9052	9854	10710	11092	11524
12.5°	5255	5938	6540	7230	7993	8693	9630	10629	11406	11893	12184
10°	5585	6219	6799	7491	8252	9044	9975	10999	11812	12228	12466
7.5°	5763	6371	6982	7683	8440	9285	10244	11260	12091	12494	12728
5°	5896	6479	7112	7850	8616	9472	10429	11433	12191	12620	12916
2.5°	5976	6548	7195	7958	8725	9617	10621	11662	12325	12669	12942
0°	5999	6575	7241	8014	8802	9701	10696	11726	12397	12731	13008
-2.5°	6025	6618	7303	8051	8832	9728	10744	11747	12352	12688	12952
-5°	6007	6621	7304	8020	8807	9696	10671	11609	12241	12605	12868
-7.5°	5953	6576	7252	7940	8711	9610	10581	11485	12125	12509	12796
-10°	5874	6479	7159	7856	8618	9474	10430	11328	11941	12348	12683
-12.5°	5786	6378	7034	7703	8457	9302	10228	11078	11688	12132	12371
-15°	5656	6248	6875	7522	8256	9077	9961	10777	11375	11737	12001
-17.5°	5491	6072	6666	7280	7972	8779	9669	10474	10962	11284	11544
-20°	5314	5851	6414	6993	7664	8464	9338	10040	10500	10810	11055



REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5112	5629	6144	6698	7356	8089	8861	9540	10034	10316	10543
-25°	4881	5384	5874	6408	7013	7672	8390	9056	9499	9799	10024
-27.5°	4633	5105	5583	6063	6607	7264	7929	8548	8926	9228	9454
-30°	4384	4810	5252	5706	6216	6809	7431	7951	8350	8644	8854
-32.5°	4116	4519	4911	5336	5816	6338	6884	7379	7805	8074	8251
-35°	3840	4231	4590	4975	5399	5849	6353	6841	7262	7475	7647
-37.5°	3554	3943	4283	4605	4970	5387	5878	6344	6707	6890	7046
-40°	3304	3647	3953	4261	4558	4929	5386	5838	6129	6307	6452
-42.5°	3062	3351	3602	3878	4175	4540	4910	5288	5522	5720	5873
-45°	2780	3039	3274	3504	3774	4108	4443	4746	4966	5157	5305
-47.5°	2468	2718	2946	3152	3403	3681	3964	4216	4433	4622	4754
-50°	2178	2401	2624	2831	3050	3275	3504	3725	3931	4114	4227
-52.5°	1917	2123	2318	2500	2690	2881	3070	3273	3462	3636	3726
-55°	1682	1867	2043	2196	2349	2500	2663	2850	3024	3185	3250
-57.5°	1470	1629	1785	1914	2039	2159	2302	2460	2612	2750	2803
-60°	1276	1402	1532	1647	1756	1859	1983	2110	2234	2338	2383
-62.5°	1097	1205	1303	1397	1489	1581	1682	1783	1883	1963	2004
-65°	924	1010	1089	1166	1241	1318	1397	1474	1548	1605	1640
-67.5°	762	828	891	950	1013	1076	1137	1196	1252	1296	1330
-70°	619	669	719	768	820	869	916	960	1001	1033	1059
-72.5°	499	540	582	627	669	706	739	771	802	820	833
-75°	402	437	474	510	545	573	597	621	644	645	640
-77.5°	325	356	384	413	441	458	473	488	504	495	481
-80°	239	264	288	313	337	347	354	361	366	354	339
-82.5°	158	174	190	206	223	229	234	238	241	230	218
-85°	88	96	104	111	119	124	128	132	135	129	122
-87.5°	37	38	40	42	43	45	47	48	50	50	50
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30	30	30	30	30	30	30	30	30	30	29
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°	1	0	0	0	0	0	1	3	3	4	4
62.5°	9	10	10	10	10	10	9	9	9	9	10
60°	18	16	15	15	15	16	18	19	20	29	34
57.5°	140	120	123	136	123	120	140	152	152	177	178
55°	654	730	757	742	757	730	654	574	497	473	473
52.5°	886	918	930	929	930	918	886	845	792	739	688
50°	1154	1143	1127	1111	1127	1143	1154	1142	1102	1025	901
47.5°	1926	1892	1878	1904	1878	1892	1926	1904	1756	1563	1422
45°	2559	2598	2627	2626	2627	2598	2559	2526	2365	2145	1919
42.5°	2920	2941	2947	2939	2947	2941	2920	2883	2697	2462	2203
40°	3241	3266	3280	3293	3280	3266	3241	3193	3041	2822	2578
37.5°	3715	3724	3704	3691	3704	3724	3715	3685	3593	3313	3115
35°	4877	4900	4845	4903	4845	4900	4877	4757	4616	4450	3999
32.5°	5991	6102	6192	6267	6192	6102	5991	5877	5781	5461	4872
30°	6622	6694	6732	6742	6732	6694	6622	6533	6406	5997	5452
27.5°	7085	7160	7207	7242	7207	7160	7085	7003	6855	6437	5902
25°	7532	7600	7647	7666	7647	7600	7532	7448	7266	6914	6387
22.5°	7995	8043	8088	8110	8088	8043	7995	7897	7700	7419	6860
20°	8659	8633	8674	8661	8674	8633	8659	8510	8302	8009	7470
17.5°	10013	10027	10055	10100	10055	10027	10013	9815	9561	9296	8546
15°	11716	11750	11924	12079	11924	11750	11716	11524	11092	10710	9854
12.5°	12454	12573	12591	12635	12591	12573	12454	12184	11893	11406	10629
10°	12700	12906	12901	12953	12901	12906	12700	12466	12228	11812	10999
7.5°	12887	13108	13201	13241	13201	13108	12887	12728	12494	12091	11260
5°	13116	13237	13398	13352	13398	13237	13116	12916	12620	12191	11433
2.5°	13211	13401	13358	13402	13358	13401	13211	12942	12669	12325	11662
0°	13276	13412	13433	13478	13433	13412	13276	13008	12731	12397	11726
-2.5°	13198	13318	13528	13463	13528	13318	13198	12952	12688	12352	11747
-5°	13129	13424	13310	13453	13310	13424	13129	12868	12605	12241	11609
-7.5°	13094	13146	13223	13332	13223	13146	13094	12796	12509	12125	11485
-10°	12820	12874	13013	13089	13013	12874	12820	12683	12348	11941	11328
-12.5°	12522	12627	12774	12822	12774	12627	12522	12371	12132	11688	11078
-15°	12180	12335	12478	12509	12478	12335	12180	12001	11737	11375	10777
-17.5°	11744	11931	12081	12115	12081	11931	11744	11544	11284	10962	10474
-20°	11265	11443	11571	11610	11571	11443	11265	11055	10810	10500	10040

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REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

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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°	10751	10912	11020	11004	11020	10912	10751	10543	10316	10034	9540
-25°	10206	10355	10458	10443	10458	10355	10206	10024	9799	9499	9056
-27.5°	9629	9770	9869	9873	9869	9770	9629	9454	9228	8926	8548
-30°	9023	9151	9232	9201	9232	9151	9023	8854	8644	8350	7951
-32.5°	8398	8514	8588	8610	8588	8514	8398	8251	8074	7805	7379
-35°	7782	7884	7948	7964	7948	7884	7782	7647	7475	7262	6841
-37.5°	7170	7258	7302	7282	7302	7258	7170	7046	6890	6707	6344
-40°	6564	6648	6699	6711	6699	6648	6564	6452	6307	6129	5838
-42.5°	5969	6039	6084	6105	6084	6039	5969	5873	5720	5522	5288
-45°	5392	5454	5496	5519	5496	5454	5392	5305	5157	4966	4746
-47.5°	4830	4885	4921	4939	4921	4885	4830	4754	4622	4433	4216
-50°	4293	4340	4374	4393	4374	4340	4293	4227	4114	3931	3725
-52.5°	3783	3825	3854	3868	3854	3825	3783	3726	3636	3462	3273
-55°	3297	3330	3357	3373	3357	3330	3297	3250	3185	3024	2850
-57.5°	2843	2871	2896	2914	2896	2871	2843	2803	2750	2612	2460
-60°	2419	2444	2466	2479	2466	2444	2419	2383	2338	2234	2110
-62.5°	2035	2058	2078	2091	2078	2058	2035	2004	1963	1883	1783
-65°	1668	1688	1703	1712	1703	1688	1668	1640	1605	1548	1474
-67.5°	1358	1382	1387	1384	1387	1382	1358	1330	1296	1252	1196
-70°	1082	1102	1107	1106	1107	1102	1082	1059	1033	1001	960
-72.5°	846	857	848	833	848	857	846	833	820	802	771
-75°	635	628	618	606	618	628	635	640	645	644	621
-77.5°	465	448	436	424	436	448	465	481	495	504	488
-80°	324	307	295	283	295	307	324	339	354	366	361
-82.5°	205	191	184	177	184	191	205	218	230	241	238
-85°	114	106	101	96	101	106	114	122	129	135	132
-87.5°	50	50	48	45	48	50	50	50	50	50	48
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28	26	25	24	23	21	20	19	18	16	15
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	1	0	0	1
67.5°	0	0	1	2	3	3	2	3	3	3	3
65°	3	2	1	2	4	5	5	5	5	5	6
62.5°	10	11	9	8	7	7	8	9	7	6	8
60°	30	18	27	29	23	20	30	28	15	13	11
57.5°	146	123	135	122	84	73	76	72	65	40	17
55°	505	433	340	294	283	216	161	135	122	88	58
52.5°	641	596	526	429	378	358	306	245	195	156	112
50°	804	816	744	610	557	500	450	379	315	253	186
47.5°	1312	1222	1150	1050	860	739	659	543	456	380	299
45°	1749	1647	1576	1421	1219	1032	907	761	606	505	431
42.5°	2060	1927	1811	1684	1492	1280	1108	965	802	638	540
40°	2364	2153	2038	1925	1743	1506	1372	1161	991	809	675
37.5°	2817	2458	2418	2309	2103	1856	1706	1498	1182	1011	857
35°	3583	3214	3000	2893	2627	2313	2065	1870	1557	1221	1042
32.5°	4428	3960	3636	3483	3198	2771	2465	2217	1904	1523	1237
30°	4904	4478	4088	3827	3549	3182	2831	2482	2141	1826	1447
27.5°	5348	4816	4395	4101	3841	3488	3100	2725	2351	2039	1702
25°	5771	5181	4723	4377	4075	3795	3357	2947	2557	2212	1948
22.5°	6164	5617	5089	4637	4381	4081	3649	3152	2771	2481	2171
20°	6813	6200	5531	5140	4902	4439	3950	3459	3109	2777	2412
17.5°	7882	7117	6318	5899	5561	4994	4370	3883	3446	3076	2674
15°	9052	8068	7276	6735	6200	5535	4813	4287	3790	3374	2915
12.5°	9630	8693	7993	7230	6540	5938	5255	4675	4111	3569	3064
10°	9975	9044	8252	7491	6799	6219	5585	4898	4271	3698	3189
7.5°	10244	9285	8440	7683	6982	6371	5763	5043	4400	3802	3289
5°	10429	9472	8616	7850	7112	6479	5896	5153	4495	3881	3365
2.5°	10621	9617	8725	7958	7195	6548	5976	5237	4573	3940	3428
0°	10696	9701	8802	8014	7241	6575	5999	5292	4626	3974	3469
-2.5°	10744	9728	8832	8051	7303	6618	6025	5354	4642	4011	3481
-5°	10671	9696	8807	8020	7304	6621	6007	5363	4638	4021	3472
-7.5°	10581	9610	8711	7940	7252	6576	5953	5323	4622	4005	3455
-10°	10430	9474	8618	7856	7159	6479	5874	5247	4571	3959	3415
-12.5°	10228	9302	8457	7703	7034	6378	5786	5142	4483	3883	3351
-15°	9961	9077	8256	7522	6875	6248	5656	5025	4397	3789	3264
-17.5°	9669	8779	7972	7280	6666	6072	5491	4903	4298	3700	3186
-20°	9338	8464	7664	6993	6414	5851	5314	4766	4160	3599	3103

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REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8861	8089	7356	6698	6144	5629	5112	4582	3982	3472	2991
-25°	8390	7672	7013	6408	5874	5384	4881	4356	3824	3322	2854
-27.5°	7929	7264	6607	6063	5583	5105	4633	4136	3646	3154	2725
-30°	7431	6809	6216	5706	5252	4810	4384	3921	3438	2972	2586
-32.5°	6884	6338	5816	5336	4911	4519	4116	3676	3199	2802	2426
-35°	6353	5849	5399	4975	4590	4231	3840	3400	2982	2609	2244
-37.5°	5878	5387	4970	4605	4283	3943	3554	3163	2770	2393	2075
-40°	5386	4929	4558	4261	3953	3647	3304	2941	2553	2185	1910
-42.5°	4910	4540	4175	3878	3602	3351	3062	2695	2339	2019	1754
-45°	4443	4108	3774	3504	3274	3039	2780	2447	2126	1852	1602
-47.5°	3964	3681	3403	3152	2946	2718	2468	2186	1923	1676	1455
-50°	3504	3275	3050	2831	2624	2401	2178	1950	1715	1500	1299
-52.5°	3070	2881	2690	2500	2318	2123	1917	1715	1509	1329	1149
-55°	2663	2500	2349	2196	2043	1867	1682	1499	1335	1169	1023
-57.5°	2302	2159	2039	1914	1785	1629	1470	1316	1180	1043	907
-60°	1983	1859	1756	1647	1532	1402	1276	1154	1036	924	807
-62.5°	1682	1581	1489	1397	1303	1205	1097	998	907	813	707
-65°	1397	1318	1241	1166	1089	1010	924	846	772	695	604
-67.5°	1137	1076	1013	950	891	828	762	697	637	574	500
-70°	916	869	820	768	719	669	619	566	511	460	409
-72.5°	739	706	669	627	582	540	499	458	416	372	328
-75°	597	573	545	510	474	437	402	367	328	286	245
-77.5°	473	458	441	413	384	356	325	286	247	208	174
-80°	354	347	337	313	288	264	239	205	171	140	115
-82.5°	234	229	223	206	190	174	158	135	113	91	73
-85°	128	124	119	111	104	96	88	75	63	52	42
-87.5°	47	45	43	42	40	38	37	33	29	26	22
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627270 (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°	15	15	15	15	15	15	15	15	14	13	11
87.5°	0	0	0	0	0	0	0	0	1	2	3
85°	0	0	0	0	0	0	0	0	0	1	2
82.5°	0	0	0	0	1	1	1	1	1	0	0
80°	0	0	0	0	1	3	3	3	3	2	1
77.5°	0	0	0	0	1	1	3	5	5	3	2
75°	0	0	0	0	0	0	1	3	4	5	4
72.5°	0	0	0	1	1	1	1	1	3	4	5
70°	1	0	0	1	2	3	3	2	2	4	5
67.5°	2	3	2	1	2	3	5	4	4	3	5
65°	6	5	5	4	4	4	5	6	6	5	5
62.5°	9	9	8	7	7	6	5	7	8	7	6
60°	11	12	11	10	9	8	7	8	9	9	7
57.5°	16	15	15	14	12	11	10	10	10	10	9
55°	28	19	19	18	15	13	13	12	12	11	10
52.5°	70	39	25	23	20	16	15	15	14	13	12
50°	130	84	48	30	25	22	18	17	16	15	13
47.5°	207	144	94	47	33	27	22	19	18	17	15
45°	319	212	147	93	44	37	28	22	20	19	16
42.5°	444	312	207	141	83	52	33	26	22	20	17
40°	567	431	278	194	126	69	48	31	24	22	19
37.5°	702	557	389	251	169	106	66	37	28	25	21
35°	870	696	500	334	224	140	85	47	34	27	23
32.5°	1038	836	620	431	281	171	111	67	42	29	25
30°	1206	964	734	520	347	221	139	86	50	32	27
27.5°	1358	1084	840	614	425	274	168	105	60	36	29
25°	1529	1215	944	704	495	329	197	123	73	43	31
22.5°	1750	1349	1041	785	565	382	235	147	89	51	33
20°	1969	1479	1136	886	642	441	279	172	103	59	35
17.5°	2185	1647	1274	990	723	496	321	195	117	67	36
15°	2378	1839	1409	1089	803	548	359	218	129	75	39
12.5°	2540	2004	1537	1181	880	595	394	241	141	84	43
10°	2674	2144	1655	1265	953	637	425	263	155	94	46
7.5°	2780	2260	1763	1343	1019	676	459	286	168	103	50
5°	2861	2350	1846	1398	1071	712	490	307	181	111	54
2.5°	2913	2417	1908	1441	1114	743	517	327	192	119	57
0°	2944	2464	1954	1475	1146	768	540	343	202	126	61
-2.5°	2972	2495	1995	1533	1169	808	555	358	218	131	67
-5°	2981	2509	2022	1577	1182	841	566	371	232	135	72
-7.5°	2965	2501	2031	1603	1189	864	572	380	243	138	77
-10°	2931	2474	2019	1595	1197	871	575	387	252	141	81
-12.5°	2881	2433	1992	1578	1196	867	585	393	256	142	84
-15°	2814	2379	1952	1553	1181	856	587	395	255	145	86
-17.5°	2736	2315	1897	1521	1153	841	582	393	253	150	88
-20°	2658	2243	1833	1484	1111	820	568	385	248	153	90

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CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2566	2160	1777	1431	1065	796	546	373	242	154	91
-25°	2461	2063	1710	1359	1029	768	523	356	233	153	90
-27.5°	2342	1960	1631	1280	992	729	502	343	226	151	89
-30°	2209	1863	1537	1204	946	687	473	328	222	148	87
-32.5°	2066	1753	1435	1146	894	644	448	312	217	145	87
-35°	1931	1634	1332	1079	839	618	431	294	209	140	87
-37.5°	1788	1510	1250	1009	781	588	418	286	199	133	87
-40°	1649	1391	1155	942	738	555	397	277	189	125	86
-42.5°	1509	1280	1064	870	697	522	369	264	181	121	84
-45°	1380	1165	968	807	652	481	348	246	172	118	82
-47.5°	1245	1048	879	738	593	436	322	233	160	113	81
-50°	1105	937	797	662	521	399	293	216	156	110	79
-52.5°	983	839	713	584	467	355	271	199	150	107	76
-55°	877	747	629	520	415	323	247	191	144	104	73
-57.5°	784	661	561	463	371	292	229	181	136	99	70
-60°	693	593	499	411	331	265	216	170	128	93	66
-62.5°	610	521	440	360	295	243	201	156	118	85	62
-65°	522	446	378	315	262	218	181	141	105	76	56
-67.5°	431	375	322	270	226	189	158	121	89	65	49
-70°	359	310	264	224	188	158	129	98	72	56	42
-72.5°	286	246	208	176	151	125	99	75	60	46	34
-75°	211	184	160	138	115	92	75	60	47	36	29
-77.5°	153	134	116	102	86	71	57	44	36	30	24
-80°	104	94	84	74	61	50	41	34	29	24	19
-82.5°	66	60	55	50	43	36	30	25	22	18	16
-85°	39	36	33	30	26	23	21	19	18	16	14
-87.5°	22	22	21	21	20	19	18	17	16	14	13
-90°	0	0	0	0	0	0	0	0	1	2	4

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REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10	9	8	6	5	5	5
87.5°	4	4	5	5	5	5	5
85°	2	3	4	5	5	5	5
82.5°	1	3	4	5	5	5	5
80°	0	2	3	4	5	5	5
77.5°	2	2	3	4	5	5	5
75°	3	2	3	4	5	5	5
72.5°	4	3	3	4	5	5	5
70°	5	4	4	4	5	5	5
67.5°	5	5	4	4	5	5	5
65°	5	5	4	4	5	5	5
62.5°	6	6	5	4	5	5	5
60°	6	6	5	5	5	5	5
57.5°	7	7	5	5	5	5	5
55°	8	7	6	5	5	5	5
52.5°	10	8	7	5	5	5	5
50°	11	9	7	5	5	5	5
47.5°	12	10	8	5	5	5	5
45°	13	11	8	6	6	5	5
42.5°	14	12	9	6	6	5	5
40°	16	13	10	7	6	5	5
37.5°	17	14	10	7	6	5	5
35°	18	14	11	8	6	5	5
32.5°	19	15	12	9	7	5	5
30°	20	16	12	9	7	5	5
27.5°	22	17	13	10	7	5	5
25°	23	18	14	10	7	5	5
22.5°	25	18	15	11	8	5	5
20°	26	19	15	12	8	5	5
17.5°	28	20	16	12	8	5	5
15°	29	21	17	13	9	5	5
12.5°	31	22	17	13	9	5	5
10°	32	23	18	14	9	5	5
7.5°	33	23	19	14	9	5	5
5°	34	24	19	14	10	5	5
2.5°	35	25	20	15	10	5	5
0°	35	25	20	15	10	5	5
-2.5°	37	26	21	15	10	5	5
-5°	39	26	21	15	10	5	5
-7.5°	41	27	21	15	10	5	5
-10°	42	27	22	15	10	5	5
-12.5°	43	27	22	15	10	5	5
-15°	44	28	22	15	10	5	5
-17.5°	44	28	22	14	10	5	5
-20°	45	28	22	14	9	5	5

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REPORT NUMBER: P627270 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48	28	21	14	9	5	5
-25°	50	30	21	14	9	5	5
-27.5°	52	32	20	13	9	5	5
-30°	53	34	20	13	9	5	5
-32.5°	54	36	21	13	8	5	5
-35°	55	37	21	12	8	5	5
-37.5°	57	38	22	12	8	5	5
-40°	58	38	22	12	8	5	5
-42.5°	58	39	22	11	7	5	5
-45°	58	38	22	11	7	5	5
-47.5°	57	38	22	11	7	5	5
-50°	56	37	21	11	6	5	5
-52.5°	54	36	21	11	6	5	5
-55°	52	34	20	11	6	5	5
-57.5°	50	32	19	10	5	5	5
-60°	47	30	17	10	5	5	5
-62.5°	43	28	17	9	5	5	5
-65°	39	25	15	9	5	5	5
-67.5°	34	22	14	8	5	5	5
-70°	29	20	13	7	5	5	5
-72.5°	26	18	12	7	5	5	5
-75°	22	16	10	7	5	5	5
-77.5°	19	13	9	7	5	5	5
-80°	15	12	9	7	5	5	5
-82.5°	14	11	9	7	5	5	5
-85°	13	10	8	7	5	5	5
-87.5°	11	10	8	6	5	5	5
-90°	5	5	5	5	5	5	5

(END OF REPORT)