

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: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627566 (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-SA5B-730-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20452 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 28653 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 13698.7 lumens  
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 18434.3 lumens  
Field Efficiency: 90.1%

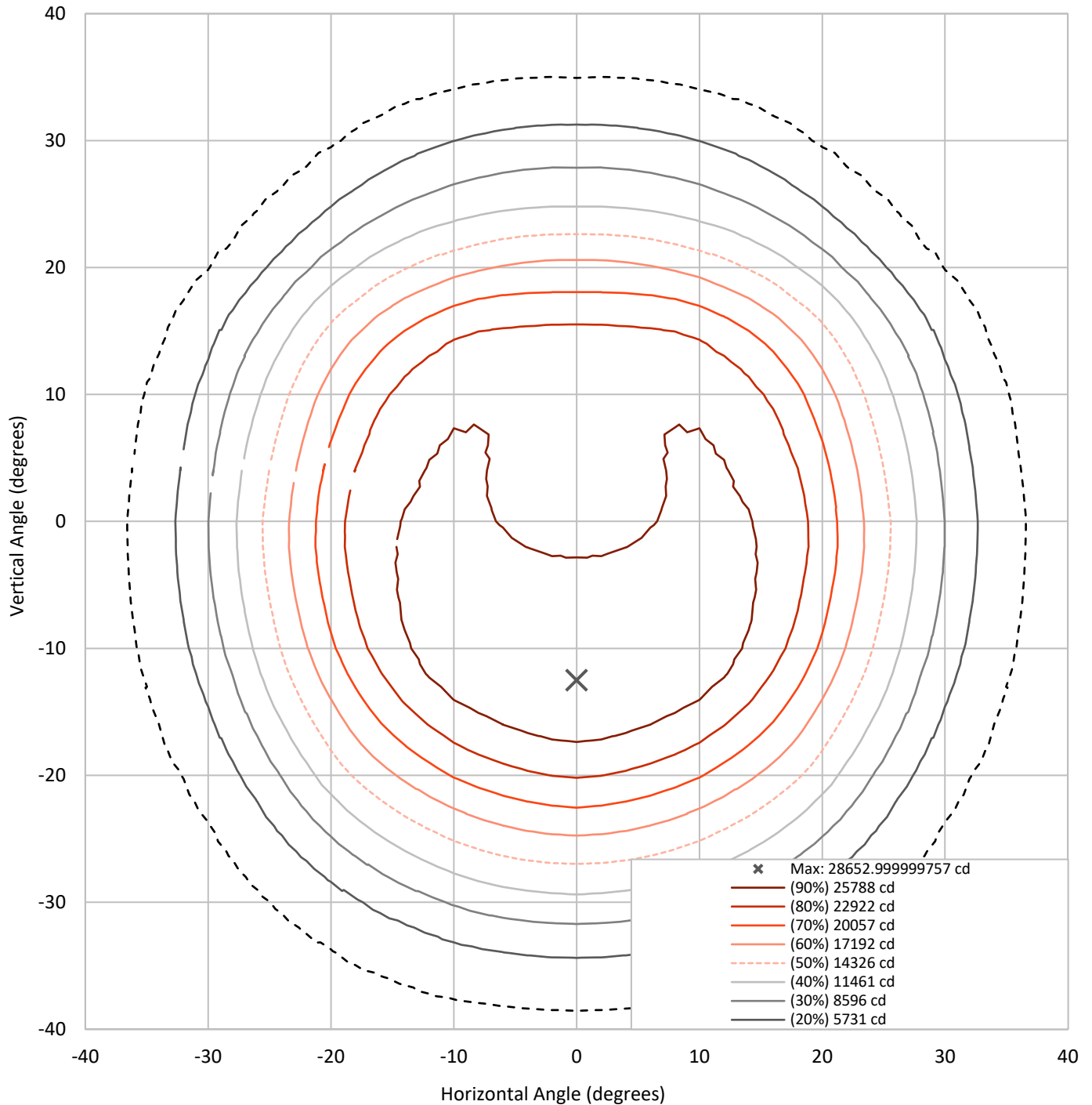
Input Watts (W): 158.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-MWR-VSR-XX

### Iso-Candela Plot





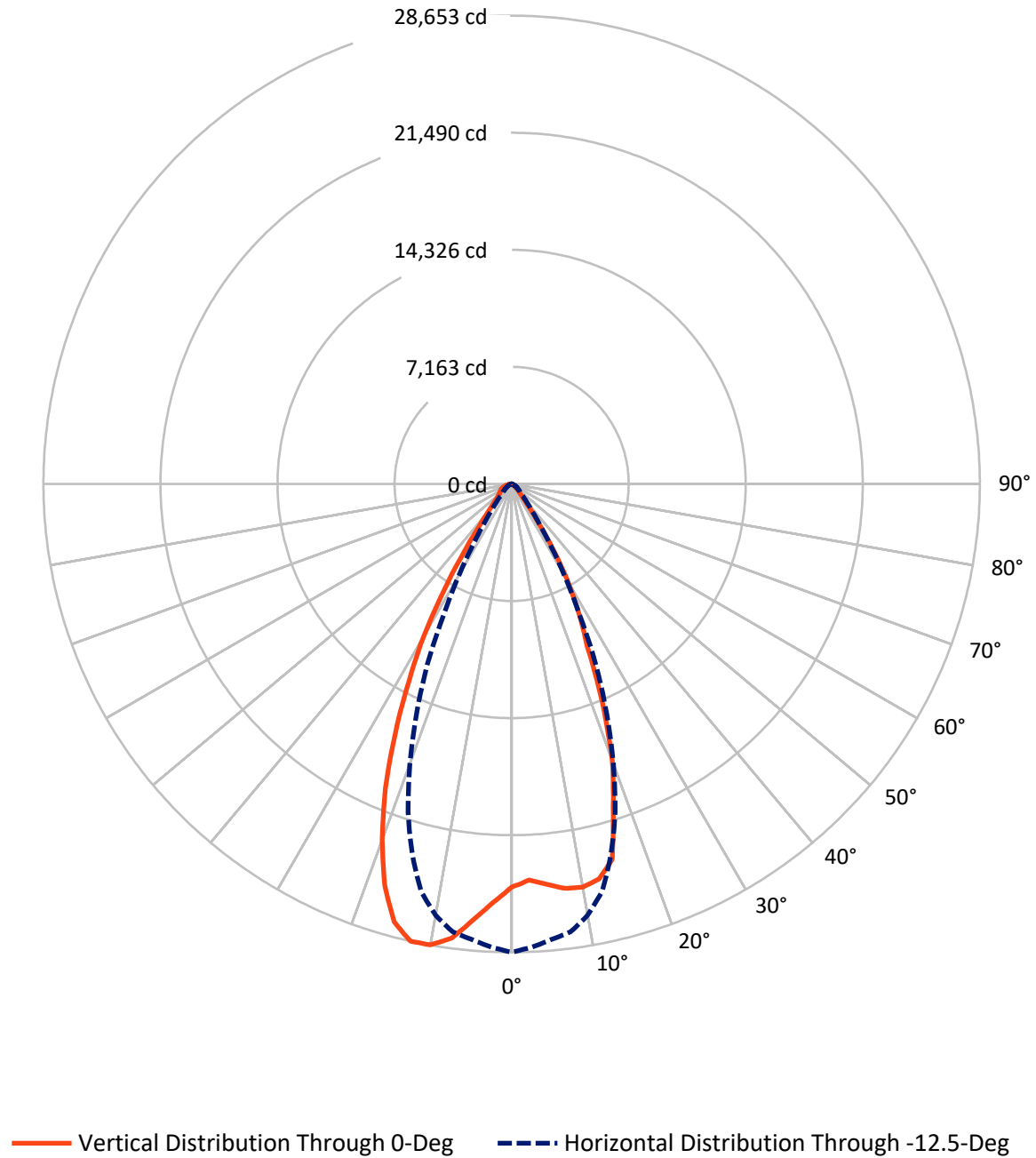
REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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	2.8	3.9	4.5	4.5	3.9	2.8	1.7	0.7	0.1		0.1								
40	0.1	0.1	0.8	2.9	5.7	9.4	14.0	17.2	17.2	14.0	9.4	5.7	2.9	0.8	0.1	0.1								
30		0.4	2.3	5.9	12.3	26.6	60.4	92.2	92.2	60.4	26.6	12.3	5.9	2.3	0.4									
20	0.2	0.8	3.8	9.5	25.7	95.1	244.8	342.2	342.2	244.8	95.1	25.7	9.5	3.8	0.8	0.2								
10		1.4	5.3	14.8	61.1	264.0	550.8	681.9	681.9	550.8	264.0	61.1	14.8	5.3	1.4									
0	0.4	1.8	6.6	19.0	97.3	388.8	710.1	769.9	769.9	710.1	388.8	97.3	19.0	6.6	1.8	0.4								
-10		2.1	7.3	20.4	101.7	401.5	735.7	817.1	817.1	735.7	401.5	101.7	20.4	7.3	2.1									
-20	0.6	2.3	7.4	18.5	72.8	299.0	620.7	792.5	792.5	620.7	299.0	72.8	18.5	7.4	2.3	0.6								
-30		2.2	7.0	15.4	40.7	145.0	345.8	486.7	486.7	345.8	145.0	40.7	15.4	7.0	2.2									
-40	0.5	1.9	6.3	12.8	24.3	51.7	108.1	160.3	160.3	108.1	51.7	24.3	12.8	6.3	1.9	0.5								
-50		1.6	5.3	10.7	17.7	26.2	36.9	43.7	43.7	36.9	26.2	17.7	10.7	5.3	1.6									
-60	0.4	1.2	4.0	8.4	13.9	19.3	24.1	26.4	26.4	24.1	19.3	13.9	8.4	4.0	1.2	0.4								
-70		0.8	2.5	5.7	9.8	13.8	17.5	19.5	19.5	17.5	13.8	9.8	5.7	2.5	0.8									
-80	0.2	2.3	10.3	21.9	28.1	21.9	10.3	2.3	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

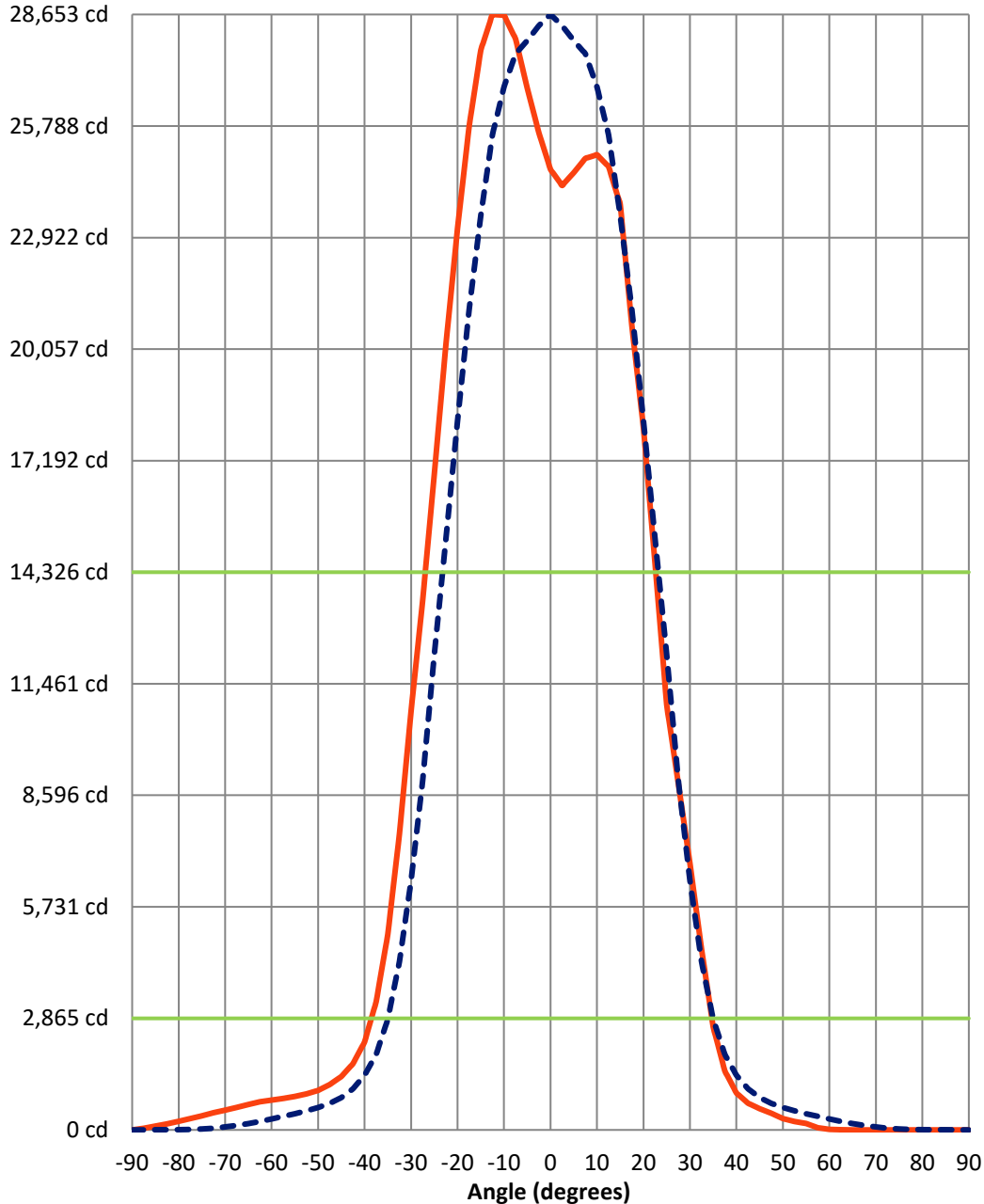
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 13698.7  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 18434.3  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2017.7  
 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	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	1	2	2	1	1	2	2	3
60°	0	0	0	2	3	2	1	2	3	3	4
57.5°	0	0	0	2	3	2	2	3	4	4	5
55°	0	0	1	3	3	2	3	5	4	5	5
52.5°	0	0	1	3	3	2	3	5	5	5	5
50°	0	0	1	4	3	3	4	5	5	5	5
47.5°	0	0	2	4	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	9
40°	0	0	2	5	4	4	6	6	6	9	11
37.5°	0	0	3	5	4	5	7	7	8	11	13
35°	0	0	3	5	4	5	7	7	9	13	18
32.5°	0	0	3	5	5	5	8	7	11	17	28
30°	0	0	3	5	5	6	8	8	13	21	38
27.5°	0	0	4	5	5	7	8	9	15	25	47
25°	0	0	4	5	5	7	9	11	19	32	55
22.5°	0	0	4	5	5	8	9	12	23	39	64
20°	0	0	4	5	5	8	9	14	27	45	74
17.5°	0	0	4	5	5	8	10	15	31	51	85
15°	0	0	4	5	5	9	10	18	35	56	95
12.5°	0	0	4	5	5	9	11	21	39	60	105
10°	0	0	5	5	5	9	11	24	42	68	114
7.5°	0	0	5	5	5	9	12	28	45	76	122
5°	0	0	5	5	5	9	13	31	48	84	128
2.5°	0	0	5	5	5	9	13	34	50	92	132
0°	0	0	5	5	5	9	14	38	52	99	136
-2.5°	0	0	5	5	5	10	17	39	58	103	143
-5°	0	0	5	5	6	10	19	40	65	107	150
-7.5°	0	0	5	5	6	11	21	41	70	110	155
-10°	0	0	5	5	6	11	23	42	75	113	159
-12.5°	0	0	5	5	7	11	25	42	78	115	162
-15°	0	1	4	5	7	12	26	43	79	116	164
-17.5°	0	1	4	5	7	12	26	44	78	117	164
-20°	0	1	4	5	7	12	27	46	77	116	162

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CATALOG NUMBER: GFLD-SA5B-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	4	5	7	12	27	47	76	115	158
-25°	0	1	4	5	7	13	27	48	75	112	152
-27.5°	0	1	4	5	7	14	27	48	73	109	148
-30°	0	1	4	5	7	14	26	47	72	106	144
-32.5°	0	1	4	5	7	15	25	46	71	103	138
-35°	0	1	4	5	8	15	26	45	69	100	131
-37.5°	0	1	4	5	8	15	26	43	66	96	129
-40°	0	1	4	5	8	16	26	41	62	92	127
-42.5°	0	1	4	5	8	16	26	40	59	88	123
-45°	0	1	4	5	8	15	25	38	56	82	117
-47.5°	0	1	4	5	9	15	24	37	54	76	110
-50°	0	1	4	5	9	15	24	35	51	73	101
-52.5°	0	1	4	6	9	14	23	34	49	69	92
-55°	0	1	4	6	9	14	22	31	46	64	87
-57.5°	0	1	4	6	8	13	21	30	43	60	81
-60°	0	1	4	6	8	13	20	29	40	56	74
-62.5°	0	1	4	6	8	12	18	27	37	51	68
-65°	0	1	4	6	8	11	17	24	34	46	61
-67.5°	0	1	3	6	8	11	15	22	30	41	54
-70°	0	1	3	6	8	10	14	19	27	35	47
-72.5°	0	1	3	5	7	10	13	17	23	30	39
-75°	0	1	2	4	7	9	12	15	19	25	32
-77.5°	0	0	2	4	6	8	11	13	16	20	25
-80°	0	0	2	3	5	7	9	12	14	17	20
-82.5°	0	0	1	2	4	5	7	9	12	14	16
-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





REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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	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	28	31
55°	5	5	5	6	7	8	12	26	39	48	52
52.5°	5	5	7	9	11	18	32	48	60	70	83
50°	6	8	10	13	21	37	55	72	88	103	121
47.5°	8	10	14	21	38	59	80	102	121	142	168
45°	10	15	20	36	58	84	111	135	155	180	203
42.5°	12	23	34	52	82	114	144	164	186	213	243
40°	20	32	49	76	109	146	173	194	217	255	292
37.5°	29	45	66	100	140	175	202	228	262	305	349
35°	39	58	87	126	170	203	232	265	311	361	413
32.5°	50	69	108	152	194	229	262	310	359	414	486
30°	60	87	130	177	216	253	299	353	402	469	553
27.5°	72	105	151	198	237	277	337	389	445	521	622
25°	84	125	171	216	258	307	373	429	486	583	719
22.5°	98	143	191	234	277	339	410	479	554	650	818
20°	114	160	209	255	296	370	449	534	636	770	990
17.5°	128	175	226	276	327	403	491	591	718	885	1208
15°	141	189	243	296	357	437	534	657	810	1018	1420
12.5°	153	202	259	317	383	467	572	705	886	1185	1691
10°	164	213	274	337	406	494	604	746	948	1305	1892
7.5°	173	225	288	355	426	518	632	778	1003	1399	2050
5°	180	238	301	369	441	537	655	804	1049	1468	2171
2.5°	187	251	311	381	452	552	673	828	1093	1525	2274
0°	193	263	319	390	460	564	686	846	1127	1564	2354
-2.5°	199	269	331	397	474	572	692	858	1139	1570	2338
-5°	205	273	340	403	484	577	694	863	1137	1558	2289
-7.5°	209	276	346	407	490	579	694	860	1125	1532	2211
-10°	213	279	349	412	491	579	691	850	1099	1481	2094
-12.5°	217	282	349	415	491	575	682	831	1057	1405	1942
-15°	220	283	349	415	488	569	667	804	1000	1304	1755
-17.5°	222	284	347	411	484	560	647	772	949	1216	1620
-20°	221	283	345	404	479	551	634	748	905	1131	1457

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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	219	281	342	398	469	541	618	718	850	1035	1299
-25°	215	277	338	395	459	529	598	686	801	965	1184
-27.5°	207	272	331	389	448	515	581	660	761	887	1062
-30°	197	264	322	380	438	501	564	631	719	829	970
-32.5°	187	255	312	369	427	487	546	608	684	775	885
-35°	180	243	302	355	412	470	527	585	647	728	823
-37.5°	175	232	291	341	396	452	507	562	620	683	769
-40°	169	220	278	329	378	433	486	538	592	655	721
-42.5°	162	212	265	317	363	414	465	515	568	627	688
-45°	156	202	253	301	348	395	444	491	543	598	655
-47.5°	147	190	239	282	328	375	422	469	515	566	622
-50°	136	177	222	263	304	351	398	445	490	534	582
-52.5°	125	162	204	245	282	322	370	417	462	506	548
-55°	113	147	186	225	263	297	339	387	432	475	518
-57.5°	104	133	168	205	242	278	316	357	401	443	485
-60°	96	119	149	184	221	256	293	331	371	411	449
-62.5°	87	107	131	160	195	230	265	301	338	372	406
-65°	78	95	115	139	166	199	232	267	301	331	360
-67.5°	69	84	100	118	142	169	196	227	258	288	316
-70°	60	72	87	102	119	141	166	191	216	242	269
-72.5°	50	61	73	86	101	120	139	159	181	204	227
-75°	40	50	60	71	84	99	115	132	150	168	186
-77.5°	32	40	48	56	66	78	91	104	119	133	147
-80°	25	30	37	44	51	60	69	78	88	100	112
-82.5°	20	23	27	32	37	43	49	55	63	72	80
-85°	14	16	19	21	24	28	31	35	40	46	51
-87.5°	7	8	9	11	12	14	15	17	19	22	24
-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	15	15	11	17	19	17	14	15
57.5°	33	36	41	48	53	56	60	65	68	71	73
55°	60	72	85	91	101	116	130	131	133	137	145
52.5°	97	111	117	128	148	161	167	178	190	201	211
50°	140	152	166	184	203	216	220	239	263	282	293
47.5°	184	200	226	258	274	288	308	332	358	386	408
45°	225	254	287	315	337	361	387	418	459	497	526
42.5°	272	304	337	370	394	434	480	517	575	626	659
40°	326	358	406	446	495	546	626	699	773	858	921
37.5°	391	441	508	572	646	721	863	1008	1126	1293	1385
35°	470	546	641	737	855	1036	1244	1524	1815	2058	2291
32.5°	560	658	788	961	1158	1450	1761	2277	2780	3283	3776
30°	649	791	991	1228	1552	2014	2600	3398	4262	5018	5703
27.5°	768	969	1229	1583	2135	2812	3894	5001	6101	7083	7789
25°	911	1181	1548	2135	2932	4054	5505	6862	8153	9116	9927
22.5°	1119	1523	2044	2792	4237	5798	7534	9242	10692	11905	12705
20°	1375	1922	2794	4149	5849	7800	10035	11831	13617	14982	16202
17.5°	1738	2610	3839	5561	7592	10195	12496	14499	16767	18162	19406
15°	2065	3185	4938	7134	9514	12273	14986	17440	19629	21163	22553
12.5°	2478	3796	5811	8395	10998	14070	16890	19518	21661	23239	24212
10°	2848	4423	6684	9386	12300	15509	18432	21167	23243	24463	25179
7.5°	3146	4944	7391	10234	13311	16541	19628	22343	24330	25350	25839
5°	3378	5330	7945	10929	14125	17430	20581	23238	24912	25755	26028
2.5°	3552	5599	8317	11387	14675	18087	21304	23923	25350	25959	26049
0°	3669	5788	8560	11674	15146	18322	21695	24354	25712	26201	26248
-2.5°	3641	5719	8549	11570	15092	18428	21758	24382	25835	26491	26598
-5°	3567	5559	8266	11274	14663	18004	21179	23950	25733	26725	27164
-7.5°	3424	5281	7781	10709	13968	17312	20550	23425	25477	26872	27731
-10°	3181	4874	7160	9993	13205	16391	19593	22576	24786	26465	27662
-12.5°	2848	4323	6404	8979	12208	15182	18214	21073	23484	25555	26792
-15°	2505	3749	5619	7974	10785	13715	16515	19320	21701	23638	25180
-17.5°	2261	3246	4708	6770	9238	12018	14750	17327	19475	21296	22913
-20°	1952	2683	3841	5575	7748	10177	12795	15088	17007	18714	20259

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Cooper Lighting Solutions Photometric Lab  
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REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	1706	2298	3134	4317	6269	8412	10553	12665	14468	15988	17307
-25°	1482	1898	2552	3513	4783	6633	8437	10220	11885	13298	14487
-27.5°	1306	1637	2073	2758	3721	4801	6382	7872	9303	10595	11716
-30°	1147	1395	1735	2164	2819	3621	4572	5686	6828	7848	8866
-32.5°	1032	1209	1443	1761	2128	2702	3277	4026	4749	5493	6223
-35°	929	1071	1231	1443	1695	2030	2409	2867	3253	3740	4189
-37.5°	859	959	1080	1215	1395	1581	1838	2116	2356	2627	2855
-40°	800	879	961	1052	1175	1302	1467	1623	1775	1941	2064
-42.5°	751	814	873	943	1017	1118	1229	1326	1419	1516	1597
-45°	712	759	807	862	917	990	1069	1142	1202	1256	1300
-47.5°	671	713	755	797	845	898	950	996	1046	1088	1119
-50°	630	672	710	746	788	829	870	907	943	974	994
-52.5°	591	633	671	705	739	774	808	841	872	900	913
-55°	560	600	638	668	697	727	757	788	817	844	852
-57.5°	527	567	604	632	659	685	713	742	770	795	803
-60°	489	531	564	590	617	646	672	698	724	746	755
-62.5°	443	481	511	537	562	585	614	641	668	690	703
-65°	389	422	451	477	501	523	550	576	600	620	633
-67.5°	342	368	392	414	438	461	486	510	533	550	561
-70°	295	319	341	363	384	404	424	444	464	479	490
-72.5°	249	270	289	308	327	345	363	380	397	410	420
-75°	206	224	240	256	272	287	300	314	327	338	347
-77.5°	162	177	191	205	218	230	240	251	260	270	278
-80°	124	135	145	155	166	174	182	190	198	205	212
-82.5°	89	96	103	110	117	123	129	134	140	145	150
-85°	57	61	64	68	72	76	79	83	86	89	92
-87.5°	27	29	31	32	34	36	38	39	41	42	44
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	4	4	5	5	5	4	4	4	3	3	3
60°	15	14	14	14	14	14	15	15	14	17	19
57.5°	71	66	61	56	61	66	71	73	71	68	65
55°	153	162	166	164	166	162	153	145	137	133	131
52.5°	218	222	221	216	221	222	218	211	201	190	178
50°	298	299	296	291	296	299	298	293	282	263	239
47.5°	419	425	428	428	428	425	419	408	386	358	332
45°	537	543	546	545	546	543	537	526	497	459	418
42.5°	676	686	689	686	689	686	676	659	626	575	517
40°	957	969	964	949	964	969	957	921	858	773	699
37.5°	1450	1497	1517	1517	1517	1497	1450	1385	1293	1126	1008
35°	2501	2669	2746	2650	2746	2669	2501	2291	2058	1815	1524
32.5°	4178	4474	4642	4642	4642	4474	4178	3776	3283	2780	2277
30°	6220	6592	6801	6845	6801	6592	6220	5703	5018	4262	3398
27.5°	8339	8723	8922	8893	8922	8723	8339	7789	7083	6101	5001
25°	10464	10755	10923	10928	10923	10755	10464	9927	9116	8153	6862
22.5°	13604	14216	14468	14536	14468	14216	13604	12705	11905	10692	9242
20°	17027	17621	18003	18026	18003	17621	17027	16202	14982	13617	11831
17.5°	20288	20583	20637	20662	20637	20583	20288	19406	18162	16767	14499
15°	23363	23466	23738	23772	23738	23466	23363	22553	21163	19629	17440
12.5°	24823	24917	24871	24744	24871	24917	24823	24212	23239	21661	19518
10°	25619	25485	25288	25050	25288	25485	25619	25179	24463	23243	21167
7.5°	25799	25651	25302	24956	25302	25651	25799	25839	25350	24330	22343
5°	25884	25451	25010	24589	25010	25451	25884	26028	25755	24912	23238
2.5°	25834	25318	24712	24260	24712	25318	25834	26049	25959	25350	23923
0°	25999	25477	24843	24674	24843	25477	25999	26248	26201	25712	24354
-2.5°	26458	26035	25704	25613	25704	26035	26458	26598	26491	25835	24382
-5°	27283	27190	26628	26760	26628	27190	27283	27164	26725	25733	23950
-7.5°	28081	27949	27711	28019	27711	27949	28081	27731	26872	25477	23425
-10°	28293	28250	28361	28634	28361	28250	28293	27662	26465	24786	22576
-12.5°	27643	27983	28365	28653	28365	27983	27643	26792	25555	23484	21073
-15°	26194	26890	27461	27732	27461	26890	26194	25180	23638	21701	19320
-17.5°	24059	24913	25590	25783	25590	24913	24059	22913	21296	19475	17327
-20°	21430	22300	22915	23161	22915	22300	21430	20259	18714	17007	15088

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REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°
-22.5°	18473	19321	19879	20173	19879	19321	18473	17307	15988	14468	12665
-25°	15471	16217	16712	16842	16712	16217	15471	14487	13298	11885	10220
-27.5°	12600	13200	13565	13605	13565	13200	12600	11716	10595	9303	7872
-30°	9713	10270	10586	10754	10586	10270	9713	8866	7848	6828	5686
-32.5°	6821	7263	7531	7601	7531	7263	6821	6223	5493	4749	4026
-35°	4548	4823	4992	5027	4992	4823	4548	4189	3740	3253	2867
-37.5°	3041	3175	3257	3298	3257	3175	3041	2855	2627	2356	2116
-40°	2154	2217	2252	2260	2252	2217	2154	2064	1941	1775	1623
-42.5°	1648	1680	1696	1701	1696	1680	1648	1597	1516	1419	1326
-45°	1331	1354	1367	1372	1367	1354	1331	1300	1256	1202	1142
-47.5°	1139	1153	1162	1165	1162	1153	1139	1119	1088	1046	996
-50°	1005	1013	1016	1015	1016	1013	1005	994	974	943	907
-52.5°	920	926	927	926	927	926	920	913	900	872	841
-55°	858	862	862	860	862	862	858	852	844	817	788
-57.5°	810	814	813	808	813	814	810	803	795	770	742
-60°	762	768	768	766	768	768	762	755	746	724	698
-62.5°	715	724	725	724	725	724	715	703	690	668	641
-65°	646	658	657	653	657	658	646	633	620	600	576
-67.5°	571	579	580	578	580	579	571	561	550	533	510
-70°	500	509	509	507	509	509	500	490	479	464	444
-72.5°	430	439	441	442	441	439	430	420	410	397	380
-75°	356	364	364	362	364	364	356	347	338	327	314
-77.5°	287	294	293	291	293	294	287	278	270	260	251
-80°	218	224	223	221	223	224	218	212	205	198	190
-82.5°	155	159	157	155	157	159	155	150	145	140	134
-85°	95	98	99	99	99	98	95	92	89	86	83
-87.5°	45	47	45	42	45	47	45	44	42	41	39
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	1
62.5°	2	1	1	2	2	1	1	2	1	0	2
60°	17	11	15	15	12	9	13	11	5	4	3
57.5°	60	56	53	48	41	36	33	31	28	17	7
55°	130	116	101	91	85	72	60	52	48	39	26
52.5°	167	161	148	128	117	111	97	83	70	60	48
50°	220	216	203	184	166	152	140	121	103	88	72
47.5°	308	288	274	258	226	200	184	168	142	121	102
45°	387	361	337	315	287	254	225	203	180	155	135
42.5°	480	434	394	370	337	304	272	243	213	186	164
40°	626	546	495	446	406	358	326	292	255	217	194
37.5°	863	721	646	572	508	441	391	349	305	262	228
35°	1244	1036	855	737	641	546	470	413	361	311	265
32.5°	1761	1450	1158	961	788	658	560	486	414	359	310
30°	2600	2014	1552	1228	991	791	649	553	469	402	353
27.5°	3894	2812	2135	1583	1229	969	768	622	521	445	389
25°	5505	4054	2932	2135	1548	1181	911	719	583	486	429
22.5°	7534	5798	4237	2792	2044	1523	1119	818	650	554	479
20°	10035	7800	5849	4149	2794	1922	1375	990	770	636	534
17.5°	12496	10195	7592	5561	3839	2610	1738	1208	885	718	591
15°	14986	12273	9514	7134	4938	3185	2065	1420	1018	810	657
12.5°	16890	14070	10998	8395	5811	3796	2478	1691	1185	886	705
10°	18432	15509	12300	9386	6684	4423	2848	1892	1305	948	746
7.5°	19628	16541	13311	10234	7391	4944	3146	2050	1399	1003	778
5°	20581	17430	14125	10929	7945	5330	3378	2171	1468	1049	804
2.5°	21304	18087	14675	11387	8317	5599	3552	2274	1525	1093	828
0°	21695	18322	15146	11674	8560	5788	3669	2354	1564	1127	846
-2.5°	21758	18428	15092	11570	8549	5719	3641	2338	1570	1139	858
-5°	21179	18004	14663	11274	8266	5559	3567	2289	1558	1137	863
-7.5°	20550	17312	13968	10709	7781	5281	3424	2211	1532	1125	860
-10°	19593	16391	13205	9993	7160	4874	3181	2094	1481	1099	850
-12.5°	18214	15182	12208	8979	6404	4323	2848	1942	1405	1057	831
-15°	16515	13715	10785	7974	5619	3749	2505	1755	1304	1000	804
-17.5°	14750	12018	9238	6770	4708	3246	2261	1620	1216	949	772
-20°	12795	10177	7748	5575	3841	2683	1952	1457	1131	905	748

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REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	10553	8412	6269	4317	3134	2298	1706	1299	1035	850	718
-25°	8437	6633	4783	3513	2552	1898	1482	1184	965	801	686
-27.5°	6382	4801	3721	2758	2073	1637	1306	1062	887	761	660
-30°	4572	3621	2819	2164	1735	1395	1147	970	829	719	631
-32.5°	3277	2702	2128	1761	1443	1209	1032	885	775	684	608
-35°	2409	2030	1695	1443	1231	1071	929	823	728	647	585
-37.5°	1838	1581	1395	1215	1080	959	859	769	683	620	562
-40°	1467	1302	1175	1052	961	879	800	721	655	592	538
-42.5°	1229	1118	1017	943	873	814	751	688	627	568	515
-45°	1069	990	917	862	807	759	712	655	598	543	491
-47.5°	950	898	845	797	755	713	671	622	566	515	469
-50°	870	829	788	746	710	672	630	582	534	490	445
-52.5°	808	774	739	705	671	633	591	548	506	462	417
-55°	757	727	697	668	638	600	560	518	475	432	387
-57.5°	713	685	659	632	604	567	527	485	443	401	357
-60°	672	646	617	590	564	531	489	449	411	371	331
-62.5°	614	585	562	537	511	481	443	406	372	338	301
-65°	550	523	501	477	451	422	389	360	331	301	267
-67.5°	486	461	438	414	392	368	342	316	288	258	227
-70°	424	404	384	363	341	319	295	269	242	216	191
-72.5°	363	345	327	308	289	270	249	227	204	181	159
-75°	300	287	272	256	240	224	206	186	168	150	132
-77.5°	240	230	218	205	191	177	162	147	133	119	104
-80°	182	174	166	155	145	135	124	112	100	88	78
-82.5°	129	123	117	110	103	96	89	80	72	63	55
-85°	79	76	72	68	64	61	57	51	46	40	35
-87.5°	38	36	34	32	31	29	27	24	22	19	17
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627566 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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	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°	12	8	7	6	5	5	5	5	5	4	5
52.5°	32	18	11	9	7	5	5	5	5	5	5
50°	55	37	21	13	10	8	6	5	5	5	5
47.5°	80	59	38	21	14	10	8	7	5	5	5
45°	111	84	58	36	20	15	10	8	6	5	6
42.5°	144	114	82	52	34	23	12	9	7	5	6
40°	173	146	109	76	49	32	20	11	9	6	6
37.5°	202	175	140	100	66	45	29	13	11	8	7
35°	232	203	170	126	87	58	39	18	13	9	7
32.5°	262	229	194	152	108	69	50	28	17	11	7
30°	299	253	216	177	130	87	60	38	21	13	8
27.5°	337	277	237	198	151	105	72	47	25	15	9
25°	373	307	258	216	171	125	84	55	32	19	11
22.5°	410	339	277	234	191	143	98	64	39	23	12
20°	449	370	296	255	209	160	114	74	45	27	14
17.5°	491	403	327	276	226	175	128	85	51	31	15
15°	534	437	357	296	243	189	141	95	56	35	18
12.5°	572	467	383	317	259	202	153	105	60	39	21
10°	604	494	406	337	274	213	164	114	68	42	24
7.5°	632	518	426	355	288	225	173	122	76	45	28
5°	655	537	441	369	301	238	180	128	84	48	31
2.5°	673	552	452	381	311	251	187	132	92	50	34
0°	686	564	460	390	319	263	193	136	99	52	38
-2.5°	692	572	474	397	331	269	199	143	103	58	39
-5°	694	577	484	403	340	273	205	150	107	65	40
-7.5°	694	579	490	407	346	276	209	155	110	70	41
-10°	691	579	491	412	349	279	213	159	113	75	42
-12.5°	682	575	491	415	349	282	217	162	115	78	42
-15°	667	569	488	415	349	283	220	164	116	79	43
-17.5°	647	560	484	411	347	284	222	164	117	78	44
-20°	634	551	479	404	345	283	221	162	116	77	46

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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°	618	541	469	398	342	281	219	158	115	76	47
-25°	598	529	459	395	338	277	215	152	112	75	48
-27.5°	581	515	448	389	331	272	207	148	109	73	48
-30°	564	501	438	380	322	264	197	144	106	72	47
-32.5°	546	487	427	369	312	255	187	138	103	71	46
-35°	527	470	412	355	302	243	180	131	100	69	45
-37.5°	507	452	396	341	291	232	175	129	96	66	43
-40°	486	433	378	329	278	220	169	127	92	62	41
-42.5°	465	414	363	317	265	212	162	123	88	59	40
-45°	444	395	348	301	253	202	156	117	82	56	38
-47.5°	422	375	328	282	239	190	147	110	76	54	37
-50°	398	351	304	263	222	177	136	101	73	51	35
-52.5°	370	322	282	245	204	162	125	92	69	49	34
-55°	339	297	263	225	186	147	113	87	64	46	31
-57.5°	316	278	242	205	168	133	104	81	60	43	30
-60°	293	256	221	184	149	119	96	74	56	40	29
-62.5°	265	230	195	160	131	107	87	68	51	37	27
-65°	232	199	166	139	115	95	78	61	46	34	24
-67.5°	196	169	142	118	100	84	69	54	41	30	22
-70°	166	141	119	102	87	72	60	47	35	27	19
-72.5°	139	120	101	86	73	61	50	39	30	23	17
-75°	115	99	84	71	60	50	40	32	25	19	15
-77.5°	91	78	66	56	48	40	32	25	20	16	13
-80°	69	60	51	44	37	30	25	20	17	14	12
-82.5°	49	43	37	32	27	23	20	16	14	12	9
-85°	31	28	24	21	19	16	14	12	10	8	6
-87.5°	15	14	12	11	9	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-SA5B-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	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	1	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	3	2	0	0	0
55°	3	2	3	3	1	0	0
52.5°	3	2	3	3	1	0	0
50°	4	3	3	4	1	0	0
47.5°	5	3	4	4	2	0	0
45°	5	4	4	5	2	0	0
42.5°	6	4	4	5	2	0	0
40°	6	4	4	5	2	0	0
37.5°	7	5	4	5	3	0	0
35°	7	5	4	5	3	0	0
32.5°	8	5	5	5	3	0	0
30°	8	6	5	5	3	0	0
27.5°	8	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	4	0	0
10°	11	9	5	5	5	0	0
7.5°	12	9	5	5	5	0	0
5°	13	9	5	5	5	0	0
2.5°	13	9	5	5	5	0	0
0°	14	9	5	5	5	0	0
-2.5°	17	10	5	5	5	0	0
-5°	19	10	6	5	5	0	0
-7.5°	21	11	6	5	5	0	0
-10°	23	11	6	5	5	0	0
-12.5°	25	11	7	5	5	0	0
-15°	26	12	7	5	4	1	0
-17.5°	26	12	7	5	4	1	0
-20°	27	12	7	5	4	1	0

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CATALOG NUMBER: GFLD-SA5B-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27	12	7	5	4	1	0
-25°	27	13	7	5	4	1	0
-27.5°	27	14	7	5	4	1	0
-30°	26	14	7	5	4	1	0
-32.5°	25	15	7	5	4	1	0
-35°	26	15	8	5	4	1	0
-37.5°	26	15	8	5	4	1	0
-40°	26	16	8	5	4	1	0
-42.5°	26	16	8	5	4	1	0
-45°	25	15	8	5	4	1	0
-47.5°	24	15	9	5	4	1	0
-50°	24	15	9	5	4	1	0
-52.5°	23	14	9	6	4	1	0
-55°	22	14	9	6	4	1	0
-57.5°	21	13	8	6	4	1	0
-60°	20	13	8	6	4	1	0
-62.5°	18	12	8	6	4	1	0
-65°	17	11	8	6	4	1	0
-67.5°	15	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	4	2	1	0
-77.5°	11	8	6	4	2	0	0
-80°	9	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)