

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: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-730-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-730-U-MR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29855.2 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 105264 candela  
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V  
Beam Lumens: 14927.9 lumens  
Beam Efficiency: 50.0%

Field Angle (10%): 50.2°H x 50.4°V  
Field Lumens: 25651.1 lumens  
Field Efficiency: 85.9%

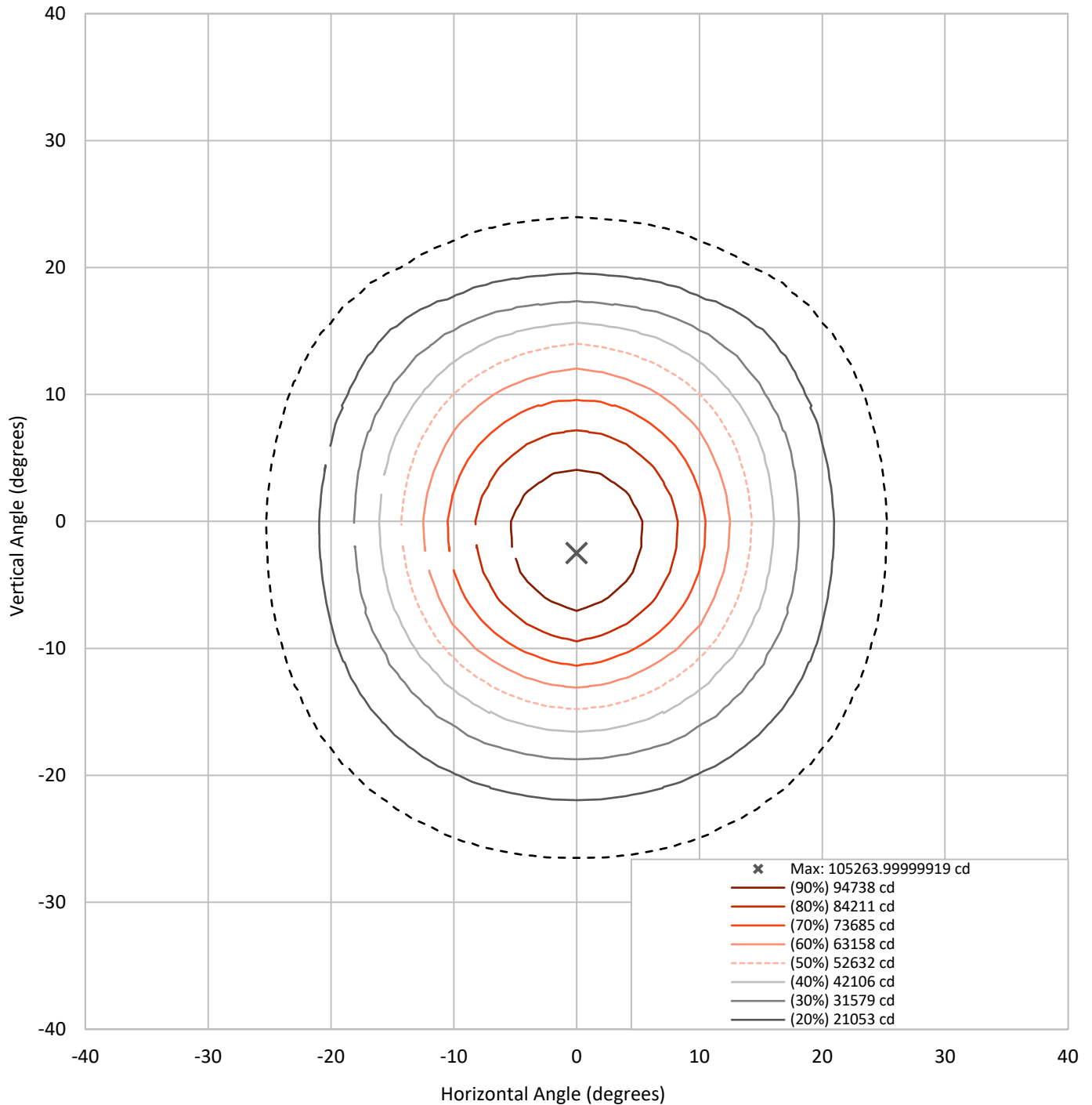
Input Watts (W): 255.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





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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	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0			
50		0.0	0.2	0.8	2.0	3.4	4.7	5.6	5.6	4.7	3.4	2.0	0.8	0.2	0.0				
40	0.1	0.1	1.0	3.2	6.3	9.7	13.6	15.9	15.9	13.6	9.7	6.3	3.2	1.0	0.1	0.1			
30		0.4	2.5	6.4	11.7	19.3	32.2	42.9	42.9	32.2	19.3	11.7	6.4	2.5	0.4				
20	0.2	0.9	4.0	9.8	18.5	45.1	141.7	259.9	259.9	141.7	45.1	18.5	9.8	4.0	0.9	0.2			
10		1.5	5.6	13.3	31.8	155.5	632.2	1238.0	1238.0	632.2	155.5	31.8	13.3	5.6	1.5				
0	0.4	1.9	6.8	15.8	45.6	296.4	1276.6	2502.3	2502.3	1276.6	296.4	45.6	15.8	6.8	1.9	0.4			
-10		2.2	7.3	16.7	48.7	310.5	1309.9	2653.3	2653.3	1309.9	310.5	48.7	16.7	7.3	2.2				
-20	0.6	2.3	7.5	16.2	40.1	190.7	724.4	1404.1	1404.1	724.4	190.7	40.1	16.2	7.5	2.3	0.6			
-30		2.2	7.1	14.9	29.3	74.0	224.3	400.2	400.2	224.3	74.0	29.3	14.9	7.1	2.2				
-40	0.5	2.0	6.4	12.9	22.3	36.5	59.6	79.8	79.8	59.6	36.5	22.3	12.9	6.4	2.0	0.5			
-50		1.6	5.3	10.7	17.6	25.2	33.2	37.2	37.2	33.2	25.2	17.6	10.7	5.3	1.6				
-60	0.3	1.2	4.0	8.3	13.7	19.1	23.9	26.0	26.0	23.9	19.1	13.7	8.3	4.0	1.2	0.3			
-70		0.8	2.5	5.4	9.2	13.0	16.3	18.1	18.1	16.3	13.0	9.2	5.4	2.5	0.8				
-80	0.1	1.9	8.8	19.0	24.1	19.0	8.8	1.9	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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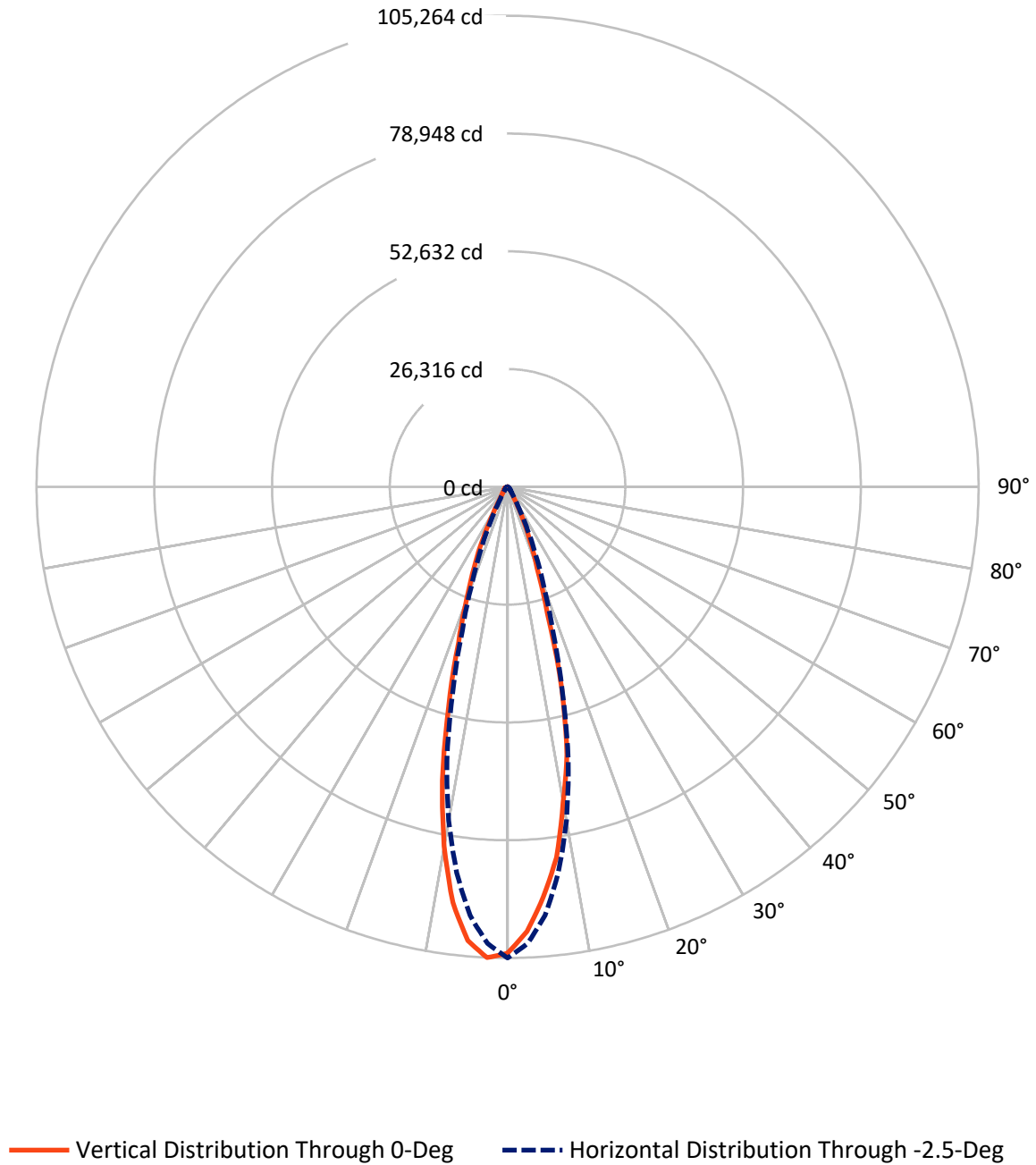
Scaled Data Report



REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

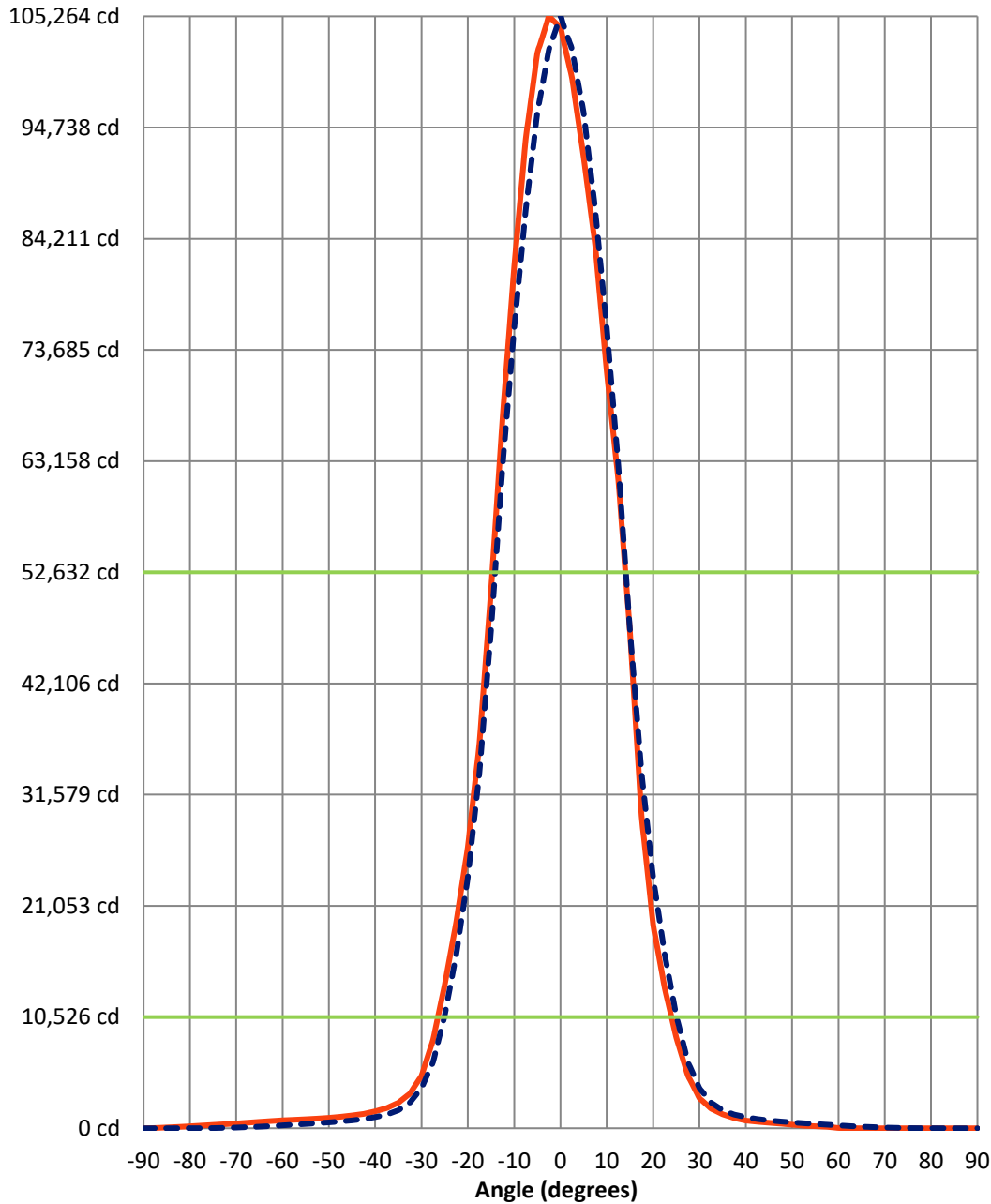
CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.2°  
 V Angle: 28.7°  
 Lumens: 14927.9  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 25651.1  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 4204  
 Efficiency: 14.1%

- Vertical Distribution through 0-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°	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°	0	0	0	0	0	0	0	0	0	0	1
60°	0	0	0	0	0	0	0	0	0	1	2
57.5°	0	0	0	0	0	0	0	0	1	3	2
55°	0	0	0	0	0	0	1	0	3	4	3
52.5°	0	0	0	0	0	0	1	2	5	4	3
50°	0	0	0	0	0	1	2	4	6	5	4
47.5°	0	0	0	0	0	1	3	5	7	5	6
45°	0	0	0	0	0	2	4	6	7	6	7
42.5°	0	0	0	0	0	3	5	7	7	6	11
40°	0	0	0	0	0	4	5	7	7	7	16
37.5°	0	0	0	0	1	5	6	7	8	10	22
35°	0	0	0	0	2	5	6	7	10	16	29
32.5°	0	0	0	0	2	6	7	7	12	22	36
30°	0	0	0	0	3	6	7	7	15	28	44
27.5°	0	0	0	0	4	6	7	9	19	34	53
25°	0	0	0	0	4	6	7	11	23	40	62
22.5°	0	0	0	0	5	7	7	14	28	47	74
20°	0	0	0	0	5	7	7	17	32	55	85
17.5°	0	0	0	0	5	7	7	19	36	62	96
15°	0	0	0	0	6	7	8	22	40	70	105
12.5°	0	0	0	0	6	7	9	26	44	77	113
10°	0	0	0	0	6	7	9	29	48	84	121
7.5°	0	0	0	0	6	7	10	32	51	90	128
5°	0	0	0	0	6	7	11	35	54	96	135
2.5°	0	0	0	0	7	7	12	38	57	101	141
0°	0	0	0	0	7	7	13	40	60	106	146
-2.5°	0	0	0	0	7	7	16	41	66	110	150
-5°	0	0	0	1	7	8	18	41	71	113	153
-7.5°	0	0	0	1	6	9	21	42	75	115	156
-10°	0	0	0	2	6	9	23	42	79	117	158
-12.5°	0	0	0	2	6	10	24	42	81	119	161
-15°	0	0	0	2	6	10	25	42	81	121	164
-17.5°	0	0	0	3	6	11	26	44	81	121	166
-20°	0	0	0	3	6	11	27	46	79	121	166

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CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	3	6	11	27	48	78	120	163
-25°	0	0	0	3	6	11	28	49	75	117	159
-27.5°	0	0	0	3	6	12	28	49	73	114	156
-30°	0	0	0	3	7	13	27	50	72	110	151
-32.5°	0	0	0	3	7	13	27	49	72	106	145
-35°	0	0	0	3	8	13	27	48	71	102	137
-37.5°	0	0	0	2	8	14	27	47	70	97	134
-40°	0	0	0	2	9	14	27	45	67	94	130
-42.5°	0	0	0	1	9	14	26	44	65	91	125
-45°	0	0	0	1	8	14	25	42	63	87	119
-47.5°	0	0	0	1	8	14	23	40	60	82	113
-50°	0	0	0	1	7	14	23	38	57	78	105
-52.5°	0	0	0	1	7	13	22	35	53	73	97
-55°	0	0	0	1	6	13	20	31	48	67	90
-57.5°	0	0	0	1	6	12	19	29	44	61	82
-60°	0	0	0	1	5	11	17	27	39	55	73
-62.5°	0	0	0	2	5	10	16	24	35	49	65
-65°	0	0	0	2	5	9	15	21	31	43	57
-67.5°	0	0	0	1	4	8	14	19	27	38	50
-70°	0	0	0	1	4	8	12	17	24	33	43
-72.5°	0	0	0	1	4	7	11	15	20	27	36
-75°	0	0	0	1	3	6	10	13	17	22	29
-77.5°	0	0	0	1	3	5	8	11	13	17	21
-80°	0	0	0	1	2	4	7	8	10	13	16
-82.5°	0	0	0	1	2	3	5	6	7	8	10
-85°	0	0	0	0	1	2	3	4	5	5	6
-87.5°	0	0	0	0	1	1	2	2	2	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-MR-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	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	1	1	1	2	2
60°	0	0	1	2	1	3	4	5	6	6	13
57.5°	1	1	3	4	5	7	11	12	21	30	37
55°	2	4	5	6	10	16	21	33	44	58	70
52.5°	4	7	6	10	19	29	42	58	75	88	100
50°	6	8	9	21	33	48	69	90	106	118	137
47.5°	9	10	20	34	51	74	101	119	134	158	185
45°	13	19	32	50	73	104	128	145	171	199	227
42.5°	17	30	47	66	102	132	154	179	207	239	269
40°	26	40	63	93	130	158	187	215	244	281	313
37.5°	34	55	81	119	155	188	220	252	288	326	364
35°	42	70	103	142	180	219	254	291	335	377	420
32.5°	53	86	123	164	205	247	287	335	381	427	480
30°	68	102	141	185	228	274	325	378	423	475	532
27.5°	83	118	160	206	251	300	361	414	464	520	582
25°	97	134	178	224	273	330	396	450	502	564	637
22.5°	110	150	198	241	295	361	428	489	548	609	695
20°	123	167	217	264	317	390	460	528	597	675	770
17.5°	136	183	236	288	347	419	493	568	645	741	859
15°	148	198	254	310	374	447	525	608	698	809	945
12.5°	159	212	271	331	398	473	554	640	744	877	1046
10°	169	224	288	350	418	497	579	669	781	924	1122
7.5°	178	235	303	367	436	517	600	693	811	963	1182
5°	186	247	315	380	450	533	617	714	835	994	1231
2.5°	193	257	324	390	462	543	628	727	851	1023	1268
0°	199	265	331	398	471	550	636	736	862	1047	1292
-2.5°	205	274	339	406	480	557	644	743	873	1054	1298
-5°	210	281	345	412	486	561	648	747	879	1055	1301
-7.5°	213	286	349	417	491	566	651	750	882	1054	1300
-10°	216	288	353	421	495	569	651	749	877	1042	1279
-12.5°	220	289	354	422	496	570	649	743	865	1022	1238
-15°	222	290	354	421	495	569	643	731	845	996	1184
-17.5°	224	289	353	418	492	566	636	720	827	968	1147
-20°	223	287	350	412	485	559	629	711	810	935	1096

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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°	222	285	345	406	477	549	620	697	789	894	1038
-25°	218	281	340	400	466	536	607	678	766	866	989
-27.5°	213	276	334	393	455	521	591	661	740	833	938
-30°	205	268	326	384	445	507	571	641	713	798	895
-32.5°	195	259	315	373	433	493	551	618	688	761	848
-35°	187	247	304	359	419	477	532	591	659	728	802
-37.5°	181	235	291	344	401	459	510	566	626	694	761
-40°	174	222	278	329	381	438	490	539	594	659	723
-42.5°	166	213	263	314	363	415	468	515	567	627	687
-45°	159	203	249	298	347	393	442	493	543	595	653
-47.5°	150	192	237	280	328	375	418	466	518	567	618
-50°	140	181	221	262	307	354	399	440	486	536	585
-52.5°	129	167	205	243	284	328	374	417	457	500	547
-55°	117	152	188	223	260	301	344	387	430	469	509
-57.5°	105	135	169	204	237	272	314	355	395	435	475
-60°	95	119	149	182	215	248	283	321	360	397	434
-62.5°	83	105	130	158	190	222	254	288	323	355	387
-65°	74	91	113	137	163	192	222	254	286	312	337
-67.5°	63	78	96	115	139	162	186	214	243	267	290
-70°	54	65	79	96	114	134	156	178	200	221	243
-72.5°	46	55	65	76	92	110	127	144	163	182	201
-75°	37	45	53	63	74	87	102	118	133	148	163
-77.5°	28	35	42	49	57	68	79	92	104	116	129
-80°	20	26	32	38	44	51	58	66	75	84	94
-82.5°	14	18	22	27	31	35	39	44	50	57	64
-85°	8	10	13	16	18	20	22	24	28	32	37
-87.5°	4	5	6	8	8	9	9	9	11	13	14
-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	1	2	1	1	0	0
62.5°	2	3	5	7	8	8	9	9	9	9	9
60°	17	16	25	30	29	23	33	37	36	31	30
57.5°	47	58	67	70	78	92	97	95	96	101	113
55°	81	90	97	110	124	137	146	153	161	170	180
52.5°	111	126	137	151	169	179	184	203	219	231	239
50°	158	173	191	209	227	242	256	274	296	319	333
47.5°	207	227	250	277	296	311	328	353	383	410	427
45°	253	277	305	330	352	373	399	430	460	488	508
42.5°	294	321	350	380	399	432	468	500	538	572	598
40°	342	368	411	441	468	503	555	602	646	689	715
37.5°	399	443	489	526	561	605	678	750	806	863	903
35°	467	519	578	618	671	753	843	941	1040	1119	1190
32.5°	532	590	649	714	794	910	1024	1182	1328	1477	1618
30°	590	655	727	811	941	1101	1287	1528	1790	2052	2350
27.5°	652	724	809	942	1139	1358	1699	2080	2622	3059	3763
25°	718	800	916	1128	1400	1785	2381	3060	4183	5141	6222
22.5°	799	924	1089	1354	1809	2501	3429	4909	6632	8233	9759
20°	899	1068	1350	1773	2425	3490	5250	7493	9890	12232	14497
17.5°	1031	1300	1703	2303	3228	5467	8086	11292	15396	18478	21401
15°	1151	1491	2101	3073	4812	7695	11354	16264	21789	26434	31689
12.5°	1293	1704	2439	3699	6186	9997	14662	20516	27055	34106	42337
10°	1417	1922	2868	4603	7619	12054	17281	24154	32552	42530	52933
7.5°	1513	2105	3226	5280	8827	13741	19977	28336	38972	50634	62498
5°	1587	2246	3508	5811	9854	15111	21945	31644	43769	57153	68951
2.5°	1645	2345	3694	6138	10547	16047	23291	33403	46703	61410	73797
0°	1690	2406	3798	6369	10870	16490	23913	34114	48079	63495	76234
-2.5°	1706	2438	3803	6289	10673	16463	23768	33678	47130	62667	75717
-5°	1712	2421	3707	6122	10326	15873	22816	32024	44232	58806	72031
-7.5°	1699	2357	3512	5712	9545	14830	21487	29569	39576	52426	66094
-10°	1653	2244	3249	5155	8470	13203	19418	26247	34241	44731	55807
-12.5°	1570	2075	2886	4322	7204	11362	16866	22902	29132	36026	45137
-15°	1471	1901	2589	3817	6032	9428	13885	18983	24154	29433	34991
-17.5°	1396	1751	2285	3142	4631	7377	10941	15038	19233	23425	27168
-20°	1301	1571	1989	2655	3737	5362	8042	11230	14364	17783	20652

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REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1215	1446	1758	2177	2905	4049	5577	7821	10203	12686	15041
-25°	1135	1309	1557	1894	2328	3009	4018	5191	6863	8390	10139
-27.5°	1067	1213	1381	1631	1960	2332	2952	3637	4513	5241	6409
-30°	1002	1118	1257	1417	1659	1942	2275	2690	3119	3549	4108
-32.5°	940	1038	1147	1277	1426	1639	1845	2111	2346	2605	2871
-35°	880	967	1057	1160	1275	1414	1570	1746	1902	2058	2198
-37.5°	829	901	980	1061	1153	1250	1372	1496	1601	1703	1789
-40°	785	846	911	978	1052	1131	1225	1317	1388	1454	1508
-42.5°	745	799	850	907	968	1041	1114	1184	1233	1278	1314
-45°	708	754	800	847	898	960	1024	1078	1116	1151	1177
-47.5°	667	709	751	794	843	893	943	984	1018	1047	1067
-50°	628	669	707	743	786	830	874	909	939	964	978
-52.5°	589	628	667	704	739	774	808	841	871	898	907
-55°	551	590	625	659	693	726	757	786	813	838	846
-57.5°	514	554	590	618	647	677	707	735	761	784	792
-60°	473	512	544	571	599	627	653	679	704	727	737
-62.5°	423	459	488	514	540	564	588	611	634	652	663
-65°	364	394	423	449	472	494	516	537	556	571	580
-67.5°	312	335	359	383	406	428	447	466	483	495	503
-70°	264	284	305	326	347	366	384	400	416	427	435
-72.5°	219	237	256	275	294	310	325	339	353	362	370
-75°	178	193	209	225	241	255	267	279	290	298	305
-77.5°	141	153	165	177	189	200	210	219	228	234	240
-80°	104	114	123	132	141	148	156	163	170	176	182
-82.5°	71	78	85	92	99	104	107	111	114	119	124
-85°	41	45	50	54	59	62	64	67	70	72	75
-87.5°	16	18	20	22	24	24	25	25	26	27	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-MR-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	1	1
62.5°	8	7	7	7	7	7	8	9	9	9	9
60°	29	26	26	27	26	26	29	30	31	36	37
57.5°	124	132	138	139	138	132	124	113	101	96	95
55°	188	194	195	192	195	194	188	180	170	161	153
52.5°	243	244	242	239	242	244	243	239	231	219	203
50°	337	336	336	338	336	336	337	333	319	296	274
47.5°	434	438	440	437	440	438	434	427	410	383	353
45°	518	524	526	524	526	524	518	508	488	460	430
42.5°	608	613	614	616	614	613	608	598	572	538	500
40°	728	732	731	729	731	732	728	715	689	646	602
37.5°	930	944	950	968	950	944	930	903	863	806	750
35°	1245	1279	1297	1326	1297	1279	1245	1190	1119	1040	941
32.5°	1720	1789	1826	1862	1826	1789	1720	1618	1477	1328	1182
30°	2556	2693	2748	2850	2748	2693	2556	2350	2052	1790	1528
27.5°	4279	4603	4731	4997	4731	4603	4279	3763	3059	2622	2080
25°	7207	7906	8292	8596	8292	7906	7207	6222	5141	4183	3060
22.5°	11300	12324	12871	13276	12871	12324	11300	9759	8233	6632	4909
20°	16551	17902	18708	19294	18708	17902	16551	14497	12232	9890	7493
17.5°	25153	27278	28520	29587	28520	27278	25153	21401	18478	15396	11292
15°	37552	41820	45137	46985	45137	41820	37552	31689	26434	21789	16264
12.5°	49613	55865	59579	61288	59579	55865	49613	42337	34106	27055	20516
10°	61541	67436	70970	71594	70970	67436	61541	52933	42530	32552	24154
7.5°	70673	77156	81852	83558	81852	77156	70673	62498	50634	38972	28336
5°	78738	86329	91299	91929	91299	86329	78738	68951	57153	43769	31644
2.5°	84671	92923	97742	99398	97742	92923	84671	73797	61410	46703	33403
0°	87541	96429	101791	104204	101791	96429	87541	76234	63495	48079	34114
-2.5°	86937	96130	102115	105264	102115	96130	86937	75717	62667	47130	33678
-5°	83632	92851	98432	101778	98432	92851	83632	72031	58806	44232	32024
-7.5°	76009	84631	90571	93658	90571	84631	76009	66094	52426	39576	29569
-10°	66186	73483	78898	81529	78898	73483	66186	55807	44731	34241	26247
-12.5°	53423	60500	65386	67246	65386	60500	53423	45137	36026	29132	22902
-15°	40931	46333	49804	50902	49804	46333	40931	34991	29433	24154	18983
-17.5°	31040	33949	35901	36427	35901	33949	31040	27168	23425	19233	15038
-20°	23255	25057	26324	26624	26324	25057	23255	20652	17783	14364	11230

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REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16944	18299	19322	19526	19322	18299	16944	15041	12686	10203	7821
-25°	11688	12821	13515	13567	13515	12821	11688	10139	8390	6863	5191
-27.5°	7328	7950	8271	8384	8271	7950	7328	6409	5241	4513	3637
-30°	4528	4815	4966	4971	4966	4815	4528	4108	3549	3119	2690
-32.5°	3074	3212	3288	3287	3288	3212	3074	2871	2605	2346	2111
-35°	2303	2374	2415	2419	2415	2374	2303	2198	2058	1902	1746
-37.5°	1852	1891	1912	1916	1912	1891	1852	1789	1703	1601	1496
-40°	1548	1576	1593	1604	1593	1576	1548	1508	1454	1388	1317
-42.5°	1339	1357	1365	1359	1365	1357	1339	1314	1278	1233	1184
-45°	1193	1203	1210	1213	1210	1203	1193	1177	1151	1116	1078
-47.5°	1077	1082	1085	1087	1085	1082	1077	1067	1047	1018	984
-50°	985	989	990	988	990	989	985	978	964	939	909
-52.5°	911	912	914	915	914	912	911	907	898	871	841
-55°	851	853	854	855	854	853	851	846	838	813	786
-57.5°	799	805	805	802	805	805	799	792	784	761	735
-60°	745	751	755	756	755	751	745	737	727	704	679
-62.5°	672	678	682	683	682	678	672	663	652	634	611
-65°	587	593	602	610	602	593	587	580	571	556	537
-67.5°	509	514	522	530	522	514	509	503	495	483	466
-70°	442	448	450	451	450	448	442	435	427	416	400
-72.5°	377	382	384	384	384	382	377	370	362	353	339
-75°	311	316	318	318	318	316	311	305	298	290	279
-77.5°	246	251	252	252	252	251	246	240	234	228	219
-80°	187	191	189	186	189	191	187	182	176	170	163
-82.5°	128	132	129	126	129	132	128	124	119	114	111
-85°	77	79	76	73	76	79	77	75	72	70	67
-87.5°	31	33	30	27	30	33	31	29	27	26	25
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-MR-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°	2	1	0	0	0	0	0	0	0	0	0
62.5°	9	8	8	7	5	3	2	2	2	1	1
60°	33	23	29	30	25	16	17	13	6	6	5
57.5°	97	92	78	70	67	58	47	37	30	21	12
55°	146	137	124	110	97	90	81	70	58	44	33
52.5°	184	179	169	151	137	126	111	100	88	75	58
50°	256	242	227	209	191	173	158	137	118	106	90
47.5°	328	311	296	277	250	227	207	185	158	134	119
45°	399	373	352	330	305	277	253	227	199	171	145
42.5°	468	432	399	380	350	321	294	269	239	207	179
40°	555	503	468	441	411	368	342	313	281	244	215
37.5°	678	605	561	526	489	443	399	364	326	288	252
35°	843	753	671	618	578	519	467	420	377	335	291
32.5°	1024	910	794	714	649	590	532	480	427	381	335
30°	1287	1101	941	811	727	655	590	532	475	423	378
27.5°	1699	1358	1139	942	809	724	652	582	520	464	414
25°	2381	1785	1400	1128	916	800	718	637	564	502	450
22.5°	3429	2501	1809	1354	1089	924	799	695	609	548	489
20°	5250	3490	2425	1773	1350	1068	899	770	675	597	528
17.5°	8086	5467	3228	2303	1703	1300	1031	859	741	645	568
15°	11354	7695	4812	3073	2101	1491	1151	945	809	698	608
12.5°	14662	9997	6186	3699	2439	1704	1293	1046	877	744	640
10°	17281	12054	7619	4603	2868	1922	1417	1122	924	781	669
7.5°	19977	13741	8827	5280	3226	2105	1513	1182	963	811	693
5°	21945	15111	9854	5811	3508	2246	1587	1231	994	835	714
2.5°	23291	16047	10547	6138	3694	2345	1645	1268	1023	851	727
0°	23913	16490	10870	6369	3798	2406	1690	1292	1047	862	736
-2.5°	23768	16463	10673	6289	3803	2438	1706	1298	1054	873	743
-5°	22816	15873	10326	6122	3707	2421	1712	1301	1055	879	747
-7.5°	21487	14830	9545	5712	3512	2357	1699	1300	1054	882	750
-10°	19418	13203	8470	5155	3249	2244	1653	1279	1042	877	749
-12.5°	16866	11362	7204	4322	2886	2075	1570	1238	1022	865	743
-15°	13885	9428	6032	3817	2589	1901	1471	1184	996	845	731
-17.5°	10941	7377	4631	3142	2285	1751	1396	1147	968	827	720
-20°	8042	5362	3737	2655	1989	1571	1301	1096	935	810	711

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CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5577	4049	2905	2177	1758	1446	1215	1038	894	789	697
-25°	4018	3009	2328	1894	1557	1309	1135	989	866	766	678
-27.5°	2952	2332	1960	1631	1381	1213	1067	938	833	740	661
-30°	2275	1942	1659	1417	1257	1118	1002	895	798	713	641
-32.5°	1845	1639	1426	1277	1147	1038	940	848	761	688	618
-35°	1570	1414	1275	1160	1057	967	880	802	728	659	591
-37.5°	1372	1250	1153	1061	980	901	829	761	694	626	566
-40°	1225	1131	1052	978	911	846	785	723	659	594	539
-42.5°	1114	1041	968	907	850	799	745	687	627	567	515
-45°	1024	960	898	847	800	754	708	653	595	543	493
-47.5°	943	893	843	794	751	709	667	618	567	518	466
-50°	874	830	786	743	707	669	628	585	536	486	440
-52.5°	808	774	739	704	667	628	589	547	500	457	417
-55°	757	726	693	659	625	590	551	509	469	430	387
-57.5°	707	677	647	618	590	554	514	475	435	395	355
-60°	653	627	599	571	544	512	473	434	397	360	321
-62.5°	588	564	540	514	488	459	423	387	355	323	288
-65°	516	494	472	449	423	394	364	337	312	286	254
-67.5°	447	428	406	383	359	335	312	290	267	243	214
-70°	384	366	347	326	305	284	264	243	221	200	178
-72.5°	325	310	294	275	256	237	219	201	182	163	144
-75°	267	255	241	225	209	193	178	163	148	133	118
-77.5°	210	200	189	177	165	153	141	129	116	104	92
-80°	156	148	141	132	123	114	104	94	84	75	66
-82.5°	107	104	99	92	85	78	71	64	57	50	44
-85°	64	62	59	54	50	45	41	37	32	28	24
-87.5°	25	24	24	22	20	18	16	14	13	11	9
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MR-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	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	1	0	0	0
60°	4	3	1	2	1	0	0	2	1	0	0
57.5°	11	7	5	4	3	1	1	2	3	1	0
55°	21	16	10	6	5	4	2	3	4	3	0
52.5°	42	29	19	10	6	7	4	3	4	5	2
50°	69	48	33	21	9	8	6	4	5	6	4
47.5°	101	74	51	34	20	10	9	6	5	7	5
45°	128	104	73	50	32	19	13	7	6	7	6
42.5°	154	132	102	66	47	30	17	11	6	7	7
40°	187	158	130	93	63	40	26	16	7	7	7
37.5°	220	188	155	119	81	55	34	22	10	8	7
35°	254	219	180	142	103	70	42	29	16	10	7
32.5°	287	247	205	164	123	86	53	36	22	12	7
30°	325	274	228	185	141	102	68	44	28	15	7
27.5°	361	300	251	206	160	118	83	53	34	19	9
25°	396	330	273	224	178	134	97	62	40	23	11
22.5°	428	361	295	241	198	150	110	74	47	28	14
20°	460	390	317	264	217	167	123	85	55	32	17
17.5°	493	419	347	288	236	183	136	96	62	36	19
15°	525	447	374	310	254	198	148	105	70	40	22
12.5°	554	473	398	331	271	212	159	113	77	44	26
10°	579	497	418	350	288	224	169	121	84	48	29
7.5°	600	517	436	367	303	235	178	128	90	51	32
5°	617	533	450	380	315	247	186	135	96	54	35
2.5°	628	543	462	390	324	257	193	141	101	57	38
0°	636	550	471	398	331	265	199	146	106	60	40
-2.5°	644	557	480	406	339	274	205	150	110	66	41
-5°	648	561	486	412	345	281	210	153	113	71	41
-7.5°	651	566	491	417	349	286	213	156	115	75	42
-10°	651	569	495	421	353	288	216	158	117	79	42
-12.5°	649	570	496	422	354	289	220	161	119	81	42
-15°	643	569	495	421	354	290	222	164	121	81	42
-17.5°	636	566	492	418	353	289	224	166	121	81	44
-20°	629	559	485	412	350	287	223	166	121	79	46

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REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	620	549	477	406	345	285	222	163	120	78	48
-25°	607	536	466	400	340	281	218	159	117	75	49
-27.5°	591	521	455	393	334	276	213	156	114	73	49
-30°	571	507	445	384	326	268	205	151	110	72	50
-32.5°	551	493	433	373	315	259	195	145	106	72	49
-35°	532	477	419	359	304	247	187	137	102	71	48
-37.5°	510	459	401	344	291	235	181	134	97	70	47
-40°	490	438	381	329	278	222	174	130	94	67	45
-42.5°	468	415	363	314	263	213	166	125	91	65	44
-45°	442	393	347	298	249	203	159	119	87	63	42
-47.5°	418	375	328	280	237	192	150	113	82	60	40
-50°	399	354	307	262	221	181	140	105	78	57	38
-52.5°	374	328	284	243	205	167	129	97	73	53	35
-55°	344	301	260	223	188	152	117	90	67	48	31
-57.5°	314	272	237	204	169	135	105	82	61	44	29
-60°	283	248	215	182	149	119	95	73	55	39	27
-62.5°	254	222	190	158	130	105	83	65	49	35	24
-65°	222	192	163	137	113	91	74	57	43	31	21
-67.5°	186	162	139	115	96	78	63	50	38	27	19
-70°	156	134	114	96	79	65	54	43	33	24	17
-72.5°	127	110	92	76	65	55	46	36	27	20	15
-75°	102	87	74	63	53	45	37	29	22	17	13
-77.5°	79	68	57	49	42	35	28	21	17	13	11
-80°	58	51	44	38	32	26	20	16	13	10	8
-82.5°	39	35	31	27	22	18	14	10	8	7	6
-85°	22	20	18	16	13	10	8	6	5	5	4
-87.5°	9	9	8	8	6	5	4	3	3	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627504 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MR-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	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	1	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	2	1	0	0	0	0	0
47.5°	3	1	0	0	0	0	0
45°	4	2	0	0	0	0	0
42.5°	5	3	0	0	0	0	0
40°	5	4	0	0	0	0	0
37.5°	6	5	1	0	0	0	0
35°	6	5	2	0	0	0	0
32.5°	7	6	2	0	0	0	0
30°	7	6	3	0	0	0	0
27.5°	7	6	4	0	0	0	0
25°	7	6	4	0	0	0	0
22.5°	7	7	5	0	0	0	0
20°	7	7	5	0	0	0	0
17.5°	7	7	5	0	0	0	0
15°	8	7	6	0	0	0	0
12.5°	9	7	6	0	0	0	0
10°	9	7	6	0	0	0	0
7.5°	10	7	6	0	0	0	0
5°	11	7	6	0	0	0	0
2.5°	12	7	7	0	0	0	0
0°	13	7	7	0	0	0	0
-2.5°	16	7	7	0	0	0	0
-5°	18	8	7	1	0	0	0
-7.5°	21	9	6	1	0	0	0
-10°	23	9	6	2	0	0	0
-12.5°	24	10	6	2	0	0	0
-15°	25	10	6	2	0	0	0
-17.5°	26	11	6	3	0	0	0
-20°	27	11	6	3	0	0	0

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CATALOG NUMBER: GFLD-SA4E-730-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27	11	6	3	0	0	0
-25°	28	11	6	3	0	0	0
-27.5°	28	12	6	3	0	0	0
-30°	27	13	7	3	0	0	0
-32.5°	27	13	7	3	0	0	0
-35°	27	13	8	3	0	0	0
-37.5°	27	14	8	2	0	0	0
-40°	27	14	9	2	0	0	0
-42.5°	26	14	9	1	0	0	0
-45°	25	14	8	1	0	0	0
-47.5°	23	14	8	1	0	0	0
-50°	23	14	7	1	0	0	0
-52.5°	22	13	7	1	0	0	0
-55°	20	13	6	1	0	0	0
-57.5°	19	12	6	1	0	0	0
-60°	17	11	5	1	0	0	0
-62.5°	16	10	5	2	0	0	0
-65°	15	9	5	2	0	0	0
-67.5°	14	8	4	1	0	0	0
-70°	12	8	4	1	0	0	0
-72.5°	11	7	4	1	0	0	0
-75°	10	6	3	1	0	0	0
-77.5°	8	5	3	1	0	0	0
-80°	7	4	2	1	0	0	0
-82.5°	5	3	2	1	0	0	0
-85°	3	2	1	0	0	0	0
-87.5°	2	1	1	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)