

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: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-727-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627920 (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-SA6D-727-U-VWR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (96) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

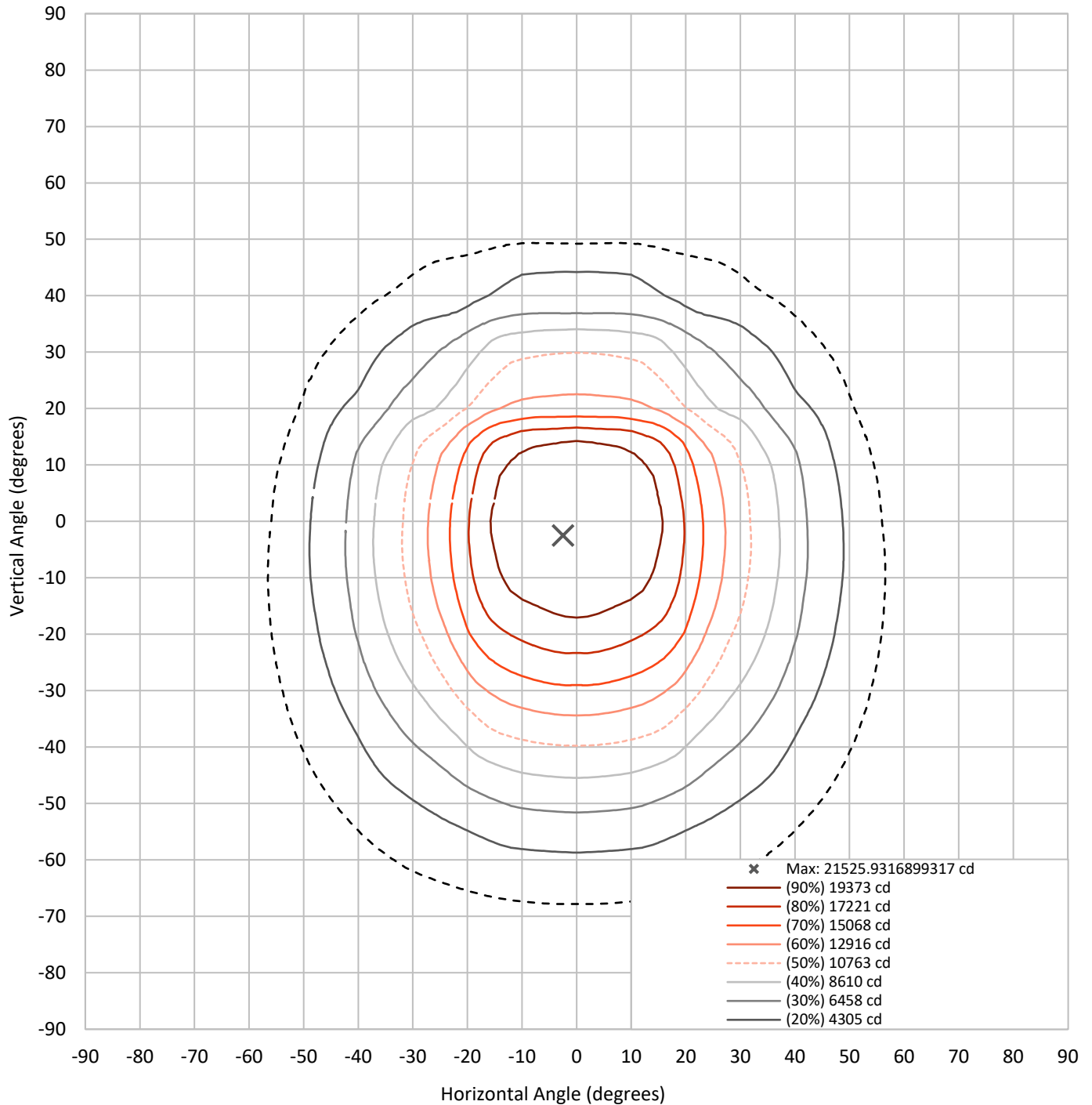
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28727.1 lumens	Max Intensity:	21525.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	88.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	16620.5 lumens	Field Lumens:	27260.2 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	325.9		
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





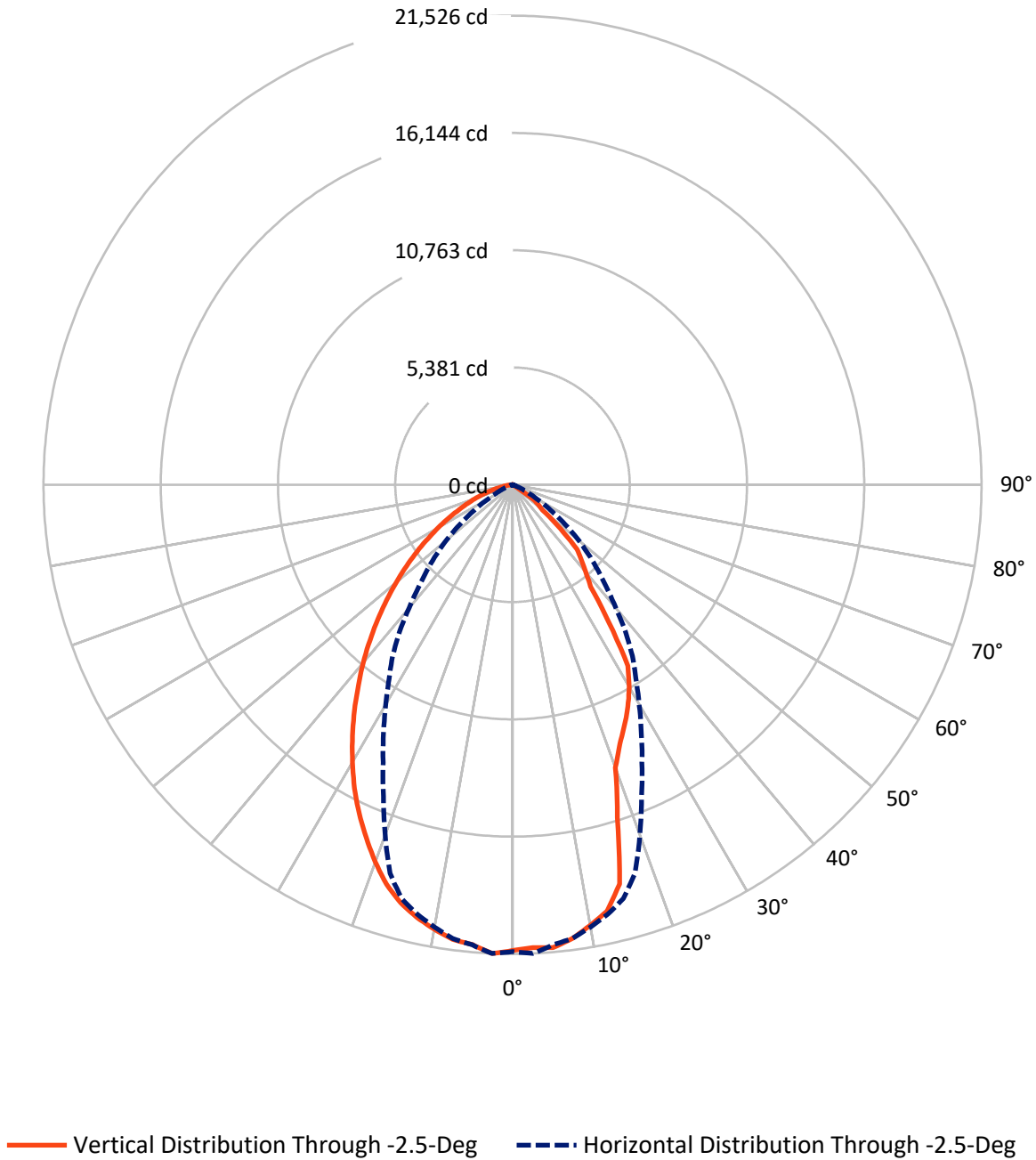
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### Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.4		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.2			
50		0.3	0.6	2.7	7.8	15.1	22.4	27.9	27.9	22.4	15.1	7.8	2.7	0.6	0.3				
40	0.5	0.5	3.2	14.7	35.6	64.1	94.7	116.0	116.0	94.7	64.1	35.6	14.7	3.2	0.5	0.5			
30		1.4	10.7	37.3	83.2	135.0	202.4	236.6	236.6	202.4	135.0	83.2	37.3	10.7	1.4				
20	0.9	3.2	20.7	66.1	134.1	212.7	319.0	366.7	366.7	319.0	212.7	134.1	66.1	20.7	3.2	0.9			
10		5.5	31.7	97.8	193.3	318.0	473.5	543.0	543.0	473.5	318.0	193.3	97.8	31.7	5.5				
0	1.5	7.4	41.1	116.2	231.1	380.1	559.1	634.5	634.5	559.1	380.1	231.1	116.2	41.1	7.4	1.5			
-10		8.8	45.4	120.7	237.3	388.8	563.3	636.9	636.9	563.3	388.8	237.3	120.7	45.4	8.8				
-20	1.8	9.2	44.4	114.2	223.8	364.0	522.8	590.7	590.7	522.8	364.0	223.8	114.2	44.4	9.2	1.8			
-30		8.4	38.8	99.6	193.3	309.5	438.2	496.3	496.3	438.2	309.5	193.3	99.6	38.8	8.4				
-40	1.8	7.0	31.0	78.3	152.1	238.7	334.7	378.9	378.9	334.7	238.7	152.1	78.3	31.0	7.0	1.8			
-50		5.7	22.9	55.9	108.9	167.9	231.6	262.9	262.9	231.6	167.9	108.9	55.9	22.9	5.7				
-60	1.4	4.2	15.0	35.9	67.7	104.2	141.6	161.4	161.4	141.6	104.2	67.7	35.9	15.0	4.2	1.4			
-70		3.0	9.1	21.0	37.2	55.3	73.2	82.9	82.9	73.2	55.3	37.2	21.0	9.1	3.0				
-80	0.5	6.7		31.0		67.6		75.4		67.6		31.0		6.7		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

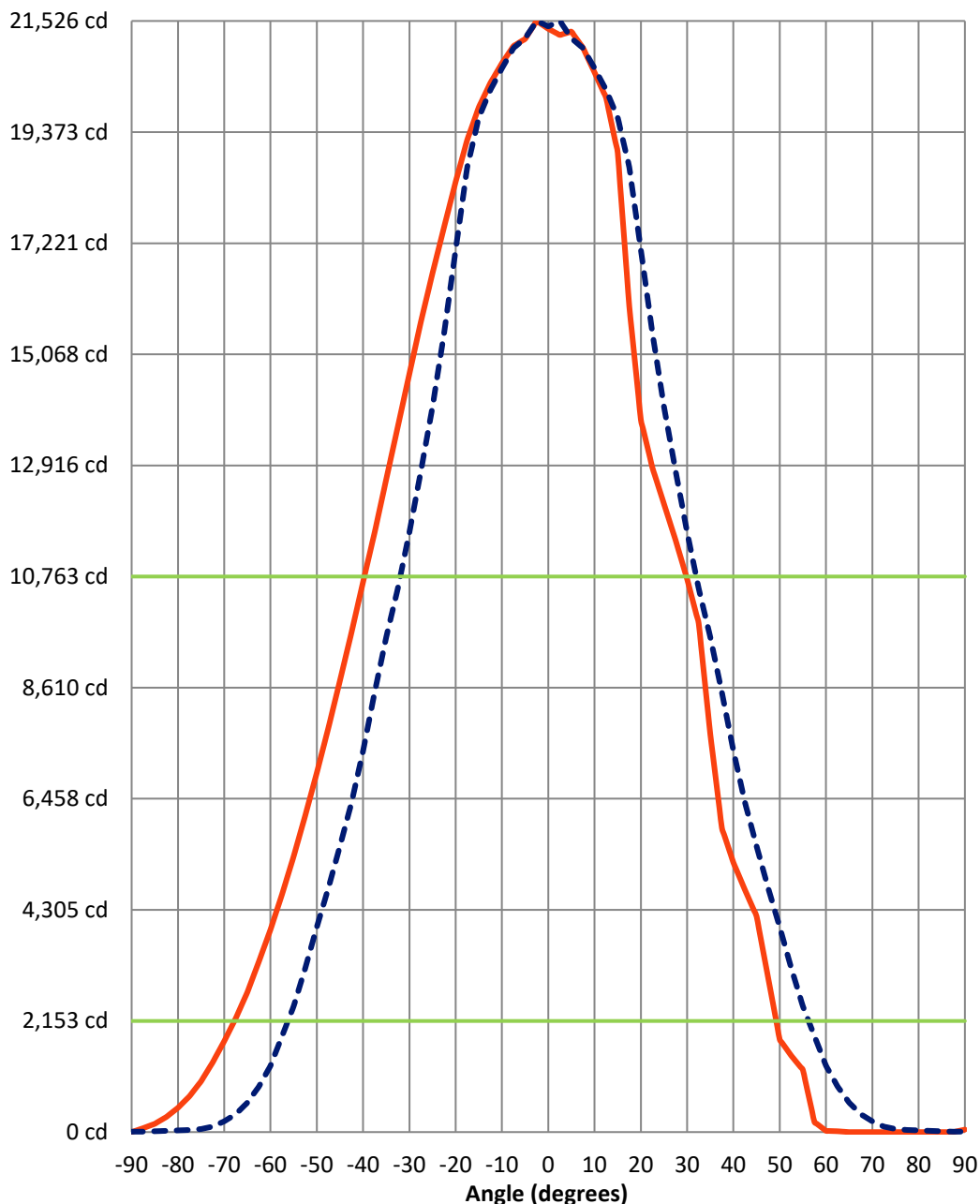
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 16620.5  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 27260.2  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1466.9  
 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°	8	8	8	10	12	14	16	18	20	22	24
87.5°	8	8	8	8	7	7	6	4	3	1	0
85°	8	8	8	7	7	5	4	2	1	0	0
82.5°	8	8	8	7	6	4	2	1	0	1	2
80°	8	8	8	7	5	3	0	2	3	4	5
77.5°	8	8	8	7	5	3	2	4	6	7	7
75°	8	8	8	7	4	4	4	6	8	7	4
72.5°	8	8	8	6	5	5	6	8	7	5	1
70°	8	8	8	6	6	6	8	8	6	3	4
67.5°	8	8	8	7	6	7	8	7	5	6	7
65°	8	8	8	7	7	8	9	7	8	9	10
62.5°	8	8	8	7	8	9	9	9	11	12	11
60°	8	8	8	7	8	10	10	11	14	14	13
57.5°	8	8	8	8	9	10	11	14	16	16	16
55°	8	8	8	8	10	11	13	16	18	19	20
52.5°	8	8	8	8	10	12	15	19	21	22	23
50°	8	8	9	8	11	14	17	21	24	25	27
47.5°	8	8	9	8	12	16	19	23	27	29	31
45°	8	8	9	9	13	17	21	25	30	32	35
42.5°	8	8	9	10	14	19	23	28	33	36	42
40°	8	8	10	11	15	20	25	30	36	39	50
37.5°	8	8	10	12	17	22	27	33	39	44	58
35°	8	8	10	13	18	23	28	36	43	54	74
32.5°	8	8	11	14	19	24	30	39	46	66	106
30°	8	8	11	15	20	26	33	42	50	80	137
27.5°	8	8	11	16	21	27	35	45	57	95	167
25°	8	8	12	17	22	28	37	49	68	117	196
22.5°	8	8	12	18	23	29	40	52	81	141	235
20°	8	8	13	19	25	31	42	55	93	164	273
17.5°	8	8	13	19	26	32	44	58	106	186	311
15°	8	8	14	20	27	33	46	62	119	206	348
12.5°	8	8	14	21	28	35	49	68	134	225	383
10°	8	8	14	22	29	36	50	74	149	246	418
7.5°	8	8	15	22	30	37	52	79	164	268	455
5°	8	8	15	23	31	38	54	85	177	287	489
2.5°	8	8	16	24	31	39	55	91	190	305	520
0°	8	8	16	24	32	40	56	96	201	321	546
-2.5°	8	8	16	24	33	41	59	106	209	347	570
-5°	8	8	16	24	33	42	62	115	215	369	590
-7.5°	8	8	16	24	34	43	65	123	220	387	605
-10°	8	8	16	24	34	43	67	130	224	400	617
-12.5°	8	8	16	24	35	44	68	134	227	407	625
-15°	8	8	16	23	35	44	69	137	231	406	628
-17.5°	8	8	15	23	35	44	70	140	238	402	625
-20°	8	8	15	23	34	45	72	143	243	395	613

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CATALOG NUMBER: GFLD-SA6D-727-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°	8	8	15	22	34	45	76	144	245	384	594
-25°	8	8	15	22	33	48	80	144	244	371	566
-27.5°	8	8	14	21	33	52	83	142	241	359	545
-30°	8	8	14	21	32	55	85	138	236	354	523
-32.5°	8	8	14	20	33	57	86	138	230	345	497
-35°	8	8	13	20	34	60	88	139	222	333	468
-37.5°	8	8	13	19	34	61	91	138	212	317	455
-40°	8	8	12	18	35	61	92	136	200	301	441
-42.5°	8	8	12	18	35	61	92	133	192	289	419
-45°	8	8	11	18	35	61	92	130	187	273	392
-47.5°	8	8	11	18	35	60	91	129	180	255	370
-50°	8	8	10	18	34	59	89	125	175	248	344
-52.5°	8	8	10	17	33	57	86	121	171	239	317
-55°	8	8	9	17	32	54	83	115	165	229	303
-57.5°	8	8	9	16	30	52	79	111	157	217	288
-60°	8	8	8	16	28	48	75	105	147	204	270
-62.5°	8	8	8	15	26	44	69	98	135	188	249
-65°	8	8	8	14	25	39	62	89	120	166	225
-67.5°	8	8	8	13	23	35	55	78	103	142	193
-70°	8	8	8	12	21	32	47	66	88	114	156
-72.5°	8	8	8	11	18	29	41	54	73	95	120
-75°	8	8	8	11	16	25	36	46	57	75	95
-77.5°	8	8	8	11	15	21	30	39	47	57	70
-80°	8	8	8	11	15	19	24	31	38	46	54
-82.5°	8	8	8	11	14	18	22	25	29	34	40
-85°	8	8	8	11	13	17	20	23	26	28	31
-87.5°	8	8	8	10	13	15	18	20	23	25	27
-90°	8	8	8	8	8	8	8	6	4	2	0





REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-727-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°	24	24	24	24	24	24	24	24	26	28	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°	2	2	1	0	0	0	0	0	0	0	0
80°	5	4	2	0	0	0	0	0	0	0	0
77.5°	5	2	1	0	0	0	0	0	0	0	0
75°	2	0	1	0	0	0	0	0	0	0	0
72.5°	1	2	2	1	0	0	0	0	0	0	0
70°	5	5	3	1	0	0	1	1	0	0	1
67.5°	7	6	4	2	3	4	4	4	4	5	4
65°	8	6	6	7	8	9	9	10	8	7	7
62.5°	8	9	10	12	13	14	14	12	9	12	14
60°	12	13	15	16	18	19	18	18	20	24	45
57.5°	16	17	19	22	24	24	25	27	64	104	115
55°	20	21	25	29	31	31	44	93	140	194	214
52.5°	24	26	32	37	40	62	112	178	248	310	390
50°	29	34	40	47	76	133	206	297	402	501	603
47.5°	36	43	52	75	149	229	330	476	605	725	864
45°	44	59	70	148	234	338	508	686	804	965	1211
42.5°	53	82	133	224	329	496	707	859	1015	1276	1535
40°	76	110	200	308	442	685	902	1074	1288	1576	1847
37.5°	104	168	269	399	619	886	1118	1363	1609	1881	2383
35°	136	222	356	531	796	1108	1385	1659	1942	2478	2976
32.5°	177	272	448	685	987	1330	1651	1968	2423	3029	3529
30°	221	351	553	828	1168	1533	1919	2303	2905	3407	3949
27.5°	267	436	676	977	1336	1725	2161	2708	3245	3741	4337
25°	314	523	788	1120	1502	1933	2434	3100	3520	4068	4690
22.5°	374	607	900	1249	1656	2146	2785	3454	3948	4409	5016
20°	445	702	1021	1411	1807	2354	3134	3838	4419	4947	5504
17.5°	510	790	1151	1576	2027	2621	3476	4255	4895	5483	6179
15°	571	871	1278	1732	2242	2926	3783	4639	5370	6031	6822
12.5°	626	946	1400	1878	2445	3190	4041	4876	5679	6541	7439
10°	676	1013	1516	2014	2634	3412	4254	5074	5884	6797	7794
7.5°	730	1076	1621	2136	2805	3596	4424	5233	6050	7001	8025
5°	779	1134	1704	2224	2937	3740	4552	5354	6176	7153	8200
2.5°	823	1182	1772	2293	3036	3846	4636	5454	6269	7277	8333
0°	860	1221	1824	2346	3110	3921	4685	5520	6324	7360	8421
-2.5°	883	1286	1860	2439	3175	3971	4729	5539	6383	7387	8520
-5°	900	1338	1881	2510	3217	3993	4743	5525	6398	7380	8534
-7.5°	910	1375	1891	2550	3232	3980	4719	5497	6373	7355	8470
-10°	915	1387	1905	2538	3212	3936	4664	5434	6300	7273	8349
-12.5°	930	1379	1902	2511	3170	3871	4584	5332	6178	7133	8182
-15°	934	1363	1880	2472	3105	3786	4478	5194	6029	6996	7996
-17.5°	926	1338	1835	2421	3019	3683	4354	5069	5888	6839	7802
-20°	904	1305	1768	2361	2916	3568	4229	4938	5727	6620	7584

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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°	869	1266	1695	2277	2828	3437	4083	4760	5524	6337	7291
-25°	833	1222	1638	2162	2721	3283	3916	4542	5286	6084	6931
-27.5°	798	1160	1578	2036	2595	3119	3726	4337	5019	5801	6581
-30°	753	1093	1505	1915	2445	2964	3515	4116	4729	5471	6239
-32.5°	713	1024	1423	1823	2284	2790	3287	3860	4459	5091	5849
-35°	687	983	1335	1717	2119	2601	3073	3571	4151	4745	5410
-37.5°	665	936	1242	1605	1989	2402	2845	3302	3808	4407	5033
-40°	631	883	1174	1500	1838	2214	2624	3039	3477	4062	4680
-42.5°	588	831	1109	1384	1693	2036	2402	2792	3213	3721	4289
-45°	554	766	1038	1284	1540	1854	2196	2550	2947	3384	3893
-47.5°	512	694	944	1174	1399	1667	1981	2315	2668	3060	3478
-50°	466	635	829	1053	1268	1491	1758	2068	2387	2730	3103
-52.5°	432	565	742	929	1134	1336	1564	1829	2114	2400	2728
-55°	393	514	660	827	1002	1188	1396	1628	1861	2124	2385
-57.5°	365	464	591	736	893	1052	1248	1444	1659	1877	2094
-60°	344	422	527	655	794	943	1103	1285	1470	1648	1836
-62.5°	319	387	469	574	700	829	970	1126	1294	1443	1589
-65°	287	346	417	502	601	710	831	962	1107	1228	1347
-67.5°	251	301	360	429	512	597	685	796	914	1013	1110
-70°	205	251	299	356	421	493	571	651	732	813	901
-72.5°	157	199	240	280	332	391	454	522	592	661	729
-75°	120	147	183	219	255	293	336	390	455	522	584
-77.5°	90	113	137	162	185	213	244	277	331	393	456
-80°	65	79	98	118	134	150	166	183	223	273	326
-82.5°	48	58	68	80	88	96	104	116	145	179	215
-85°	33	36	42	48	53	57	62	67	83	101	120
-87.5°	29	30	32	33	34	34	35	35	41	47	52
-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°	32	34	36	38	40	42	44	46	48	48	48
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°	1	0	0	0	0	0	0	0	0	0	0
67.5°	4	4	4	3	1	0	0	0	0	0	0
65°	8	8	6	4	2	3	5	6	6	5	4
62.5°	13	12	11	12	15	17	16	15	14	14	14
60°	48	32	37	46	43	29	48	55	47	32	31
57.5°	120	116	133	195	214	195	233	283	282	242	241
55°	257	344	450	467	541	689	804	753	753	791	913
52.5°	487	570	601	683	837	949	1021	1095	1176	1260	1344
50°	715	796	887	971	1184	1299	1280	1434	1631	1754	1817
47.5°	1049	1176	1369	1671	1830	1945	2088	2262	2488	2794	3030
45°	1442	1642	1940	2261	2508	2620	2784	3054	3414	3764	4020
42.5°	1764	2037	2373	2680	2881	3066	3278	3506	3918	4292	4588
40°	2183	2396	2773	3062	3243	3426	3762	4102	4490	4839	5081
37.5°	2715	2954	3347	3674	3847	3912	4483	4957	5272	5718	5863
35°	3286	3680	4180	4604	4774	5114	5702	6364	7081	7345	7570
32.5°	3923	4409	5088	5543	5786	6301	7045	7752	8690	9199	9351
30°	4506	5064	5647	6089	6504	7125	7804	8675	9542	10193	10395
27.5°	4933	5551	6112	6526	6994	7663	8510	9392	10243	10907	11143
25°	5342	6039	6484	6965	7515	8244	9182	10163	11001	11562	11852
22.5°	5806	6494	6971	7379	8098	8938	9809	10917	11805	12253	12567
20°	6285	7064	7800	8180	8802	9866	10840	11886	12744	13211	13541
17.5°	6954	7946	8849	9386	10053	11325	12541	13599	14793	15214	15618
15°	7659	8807	9866	10716	11577	12838	14403	15680	17042	17650	18338
12.5°	8362	9449	10407	11505	12718	13833	15324	16913	18149	18925	19388
10°	8887	9897	10819	11919	13130	14392	15873	17502	18796	19458	19836
7.5°	9171	10137	11110	12225	13430	14774	16300	17917	19239	19881	20254
5°	9382	10309	11317	12491	13709	15072	16596	18193	19399	20081	20552
2.5°	9509	10419	11449	12662	13884	15303	16900	18556	19612	20160	20594
0°	9546	10462	11523	12752	14006	15436	17019	18658	19727	20257	20699
-2.5°	9588	10531	11621	12811	14054	15480	17096	18693	19654	20189	20610
-5°	9559	10536	11623	12762	14013	15428	16980	18473	19479	20057	20475
-7.5°	9472	10464	11539	12634	13861	15292	16837	18275	19294	19904	20362
-10°	9346	10309	11392	12501	13713	15075	16596	18026	19001	19649	20182
-12.5°	9207	10149	11193	12257	13456	14801	16275	17628	18598	19304	19685
-15°	9000	9942	10940	11969	13138	14443	15851	17149	18101	18676	19097
-17.5°	8737	9661	10607	11584	12685	13970	15386	16667	17443	17956	18370
-20°	8456	9310	10206	11128	12195	13468	14859	15976	16707	17201	17591

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Scaled Data Report



REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-727-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°	8134	8957	9777	10658	11704	12872	14100	15180	15966	16415	16776
-25°	7767	8567	9346	10197	11159	12208	13350	14411	15115	15592	15951
-27.5°	7371	8124	8884	9648	10513	11558	12616	13602	14203	14684	15044
-30°	6977	7653	8357	9080	9892	10834	11824	12653	13286	13754	14088
-32.5°	6549	7191	7815	8490	9255	10085	10954	11742	12419	12847	13129
-35°	6111	6732	7303	7917	8591	9308	10109	10886	11555	11894	12169
-37.5°	5654	6274	6815	7328	7908	8572	9353	10095	10673	10964	11212
-40°	5258	5803	6290	6781	7253	7842	8571	9289	9753	10037	10267
-42.5°	4872	5333	5732	6171	6644	7225	7813	8415	8788	9103	9345
-45°	4424	4835	5209	5575	6006	6536	7070	7553	7902	8206	8442
-47.5°	3928	4325	4688	5015	5415	5858	6308	6709	7054	7354	7565
-50°	3465	3820	4175	4505	4852	5211	5575	5928	6255	6547	6726
-52.5°	3051	3378	3688	3977	4281	4584	4886	5208	5509	5786	5929
-55°	2676	2971	3251	3495	3738	3978	4237	4535	4812	5068	5171
-57.5°	2340	2592	2840	3046	3245	3436	3663	3914	4157	4377	4461
-60°	2030	2231	2438	2620	2794	2957	3156	3358	3555	3720	3792
-62.5°	1745	1917	2074	2222	2369	2517	2676	2837	2996	3124	3188
-65°	1471	1607	1734	1856	1974	2098	2223	2345	2463	2554	2610
-67.5°	1213	1317	1417	1512	1612	1712	1810	1903	1992	2062	2116
-70°	985	1065	1144	1222	1305	1383	1457	1527	1593	1643	1685
-72.5°	794	859	927	998	1065	1123	1176	1227	1276	1305	1326
-75°	640	695	754	811	867	911	950	988	1024	1026	1019
-77.5°	517	566	612	657	701	729	753	777	802	788	765
-80°	380	420	459	498	537	553	564	574	582	563	540
-82.5°	252	278	303	328	354	365	372	379	384	367	347
-85°	141	153	165	177	190	197	203	210	215	205	194
-87.5°	58	61	64	67	69	72	74	77	79	80	80
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-727-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°	48	48	48	48	48	48	48	48	48	48	46
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	0	0	0	0	0	2	4	5	6	6
62.5°	15	15	16	16	16	15	15	14	14	14	15
60°	28	25	24	24	24	25	28	31	32	47	55
57.5°	223	191	196	217	196	191	223	241	242	282	283
55°	1041	1162	1205	1181	1205	1162	1041	913	791	753	753
52.5°	1410	1460	1479	1479	1479	1460	1410	1344	1260	1176	1095
50°	1836	1819	1793	1768	1793	1819	1836	1817	1754	1631	1434
47.5°	3064	3011	2989	3029	2989	3011	3064	3030	2794	2488	2262
45°	4072	4134	4181	4178	4181	4134	4072	4020	3764	3414	3054
42.5°	4646	4679	4689	4677	4689	4679	4646	4588	4292	3918	3506
40°	5157	5197	5219	5239	5219	5197	5157	5081	4839	4490	4102
37.5°	5911	5926	5894	5874	5894	5926	5911	5863	5718	5272	4957
35°	7760	7798	7710	7802	7710	7798	7760	7570	7345	7081	6364
32.5°	9532	9710	9853	9972	9853	9710	9532	9351	9199	8690	7752
30°	10537	10651	10712	10727	10712	10651	10537	10395	10193	9542	8675
27.5°	11274	11394	11469	11523	11469	11394	11274	11143	10907	10243	9392
25°	11984	12094	12169	12198	12169	12094	11984	11852	11562	11001	10163
22.5°	12722	12798	12870	12905	12870	12798	12722	12567	12253	11805	10917
20°	13779	13737	13803	13781	13803	13737	13779	13541	13211	12744	11886
17.5°	15933	15955	15999	16071	15999	15955	15933	15618	15214	14793	13599
15°	18642	18697	18974	19221	18974	18697	18642	18338	17650	17042	15680
12.5°	19817	20006	20035	20105	20035	20006	19817	19388	18925	18149	16913
10°	20209	20536	20529	20611	20529	20536	20209	19836	19458	18796	17502
7.5°	20507	20858	21006	21069	21006	20858	20507	20254	19881	19239	17917
5°	20870	21063	21319	21246	21319	21063	20870	20552	20081	19399	18193
2.5°	21022	21325	21255	21326	21255	21325	21022	20594	20160	19612	18556
0°	21125	21342	21374	21447	21374	21342	21125	20699	20257	19727	18658
-2.5°	21001	21192	21526	21423	21526	21192	21001	20610	20189	19654	18693
-5°	20891	21361	21179	21407	21179	21361	20891	20475	20057	19479	18473
-7.5°	20835	20919	21040	21214	21040	20919	20835	20362	19904	19294	18275
-10°	20399	20485	20707	20828	20707	20485	20399	20182	19649	19001	18026
-12.5°	19926	20092	20326	20402	20326	20092	19926	19685	19304	18598	17628
-15°	19381	19628	19856	19904	19856	19628	19381	19097	18676	18101	17149
-17.5°	18688	18985	19224	19277	19224	18985	18688	18370	17956	17443	16667
-20°	17925	18209	18412	18474	18412	18209	17925	17591	17201	16707	15976

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REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-727-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17107	17363	17535	17509	17535	17363	17107	16776	16415	15966	15180
-25°	16239	16477	16641	16617	16641	16477	16239	15951	15592	15115	14411
-27.5°	15322	15547	15704	15709	15704	15547	15322	15044	14684	14203	13602
-30°	14358	14562	14690	14641	14690	14562	14358	14088	13754	13286	12653
-32.5°	13364	13548	13666	13701	13666	13548	13364	13129	12847	12419	11742
-35°	12383	12546	12647	12672	12647	12546	12383	12169	11894	11555	10886
-37.5°	11408	11548	11619	11587	11619	11548	11408	11212	10964	10673	10095
-40°	10445	10579	10660	10679	10660	10579	10445	10267	10037	9753	9289
-42.5°	9499	9610	9681	9715	9681	9610	9499	9345	9103	8788	8415
-45°	8580	8679	8746	8783	8746	8679	8580	8442	8206	7902	7553
-47.5°	7686	7773	7830	7859	7830	7773	7686	7565	7354	7054	6709
-50°	6831	6906	6960	6991	6960	6906	6831	6726	6547	6255	5928
-52.5°	6020	6086	6132	6155	6132	6086	6020	5929	5786	5509	5208
-55°	5246	5299	5342	5368	5342	5299	5246	5171	5068	4812	4535
-57.5°	4524	4568	4608	4636	4608	4568	4524	4461	4377	4157	3914
-60°	3848	3890	3924	3945	3924	3890	3848	3792	3720	3555	3358
-62.5°	3239	3275	3306	3327	3306	3275	3239	3188	3124	2996	2837
-65°	2654	2687	2710	2724	2710	2687	2654	2610	2554	2463	2345
-67.5°	2161	2199	2206	2202	2206	2199	2161	2116	2062	1992	1903
-70°	1721	1753	1761	1760	1761	1753	1721	1685	1643	1593	1527
-72.5°	1346	1363	1349	1326	1349	1363	1346	1326	1305	1276	1227
-75°	1010	999	983	964	983	999	1010	1019	1026	1024	988
-77.5°	740	712	694	675	694	712	740	765	788	802	777
-80°	515	488	470	450	470	488	515	540	563	582	574
-82.5°	326	304	293	281	293	304	326	347	367	384	379
-85°	181	168	161	153	161	168	181	194	205	215	210
-87.5°	80	80	76	72	76	80	80	80	80	79	77
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-727-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	44	42	40	38	36	34	32	30	28	26	24
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	1	1	0	0	1
67.5°	0	0	1	3	4	4	4	4	5	4	4
65°	5	3	2	4	6	8	8	7	7	8	10
62.5°	16	17	15	12	11	12	13	14	12	9	12
60°	48	29	43	46	37	32	48	45	24	20	18
57.5°	233	195	214	195	133	116	120	115	104	64	27
55°	804	689	541	467	450	344	257	214	194	140	93
52.5°	1021	949	837	683	601	570	487	390	310	248	178
50°	1280	1299	1184	971	887	796	715	603	501	402	297
47.5°	2088	1945	1830	1671	1369	1176	1049	864	725	605	476
45°	2784	2620	2508	2261	1940	1642	1442	1211	965	804	686
42.5°	3278	3066	2881	2680	2373	2037	1764	1535	1276	1015	859
40°	3762	3426	3243	3062	2773	2396	2183	1847	1576	1288	1074
37.5°	4483	3912	3847	3674	3347	2954	2715	2383	1881	1609	1363
35°	5702	5114	4774	4604	4180	3680	3286	2976	2478	1942	1659
32.5°	7045	6301	5786	5543	5088	4409	3923	3529	3029	2423	1968
30°	7804	7125	6504	6089	5647	5064	4506	3949	3407	2905	2303
27.5°	8510	7663	6994	6526	6112	5551	4933	4337	3741	3245	2708
25°	9182	8244	7515	6965	6484	6039	5342	4690	4068	3520	3100
22.5°	9809	8938	8098	7379	6971	6494	5806	5016	4409	3948	3454
20°	10840	9866	8802	8180	7800	7064	6285	5504	4947	4419	3838
17.5°	12541	11325	10053	9386	8849	7946	6954	6179	5483	4895	4255
15°	14403	12838	11577	10716	9866	8807	7659	6822	6031	5370	4639
12.5°	15324	13833	12718	11505	10407	9449	8362	7439	6541	5679	4876
10°	15873	14392	13130	11919	10819	9897	8887	7794	6797	5884	5074
7.5°	16300	14774	13430	12225	11110	10137	9171	8025	7001	6050	5233
5°	16596	15072	13709	12491	11317	10309	9382	8200	7153	6176	5354
2.5°	16900	15303	13884	12662	11449	10419	9509	8333	7277	6269	5454
0°	17019	15436	14006	12752	11523	10462	9546	8421	7360	6324	5520
-2.5°	17096	15480	14054	12811	11621	10531	9588	8520	7387	6383	5539
-5°	16980	15428	14013	12762	11623	10536	9559	8534	7380	6398	5525
-7.5°	16837	15292	13861	12634	11539	10464	9472	8470	7355	6373	5497
-10°	16596	15075	13713	12501	11392	10309	9346	8349	7273	6300	5434
-12.5°	16275	14801	13456	12257	11193	10149	9207	8182	7133	6178	5332
-15°	15851	14443	13138	11969	10940	9942	9000	7996	6996	6029	5194
-17.5°	15386	13970	12685	11584	10607	9661	8737	7802	6839	5888	5069
-20°	14859	13468	12195	11128	10206	9310	8456	7584	6620	5727	4938

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REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)

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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14100	12872	11704	10658	9777	8957	8134	7291	6337	5524	4760
-25°	13350	12208	11159	10197	9346	8567	7767	6931	6084	5286	4542
-27.5°	12616	11558	10513	9648	8884	8124	7371	6581	5801	5019	4337
-30°	11824	10834	9892	9080	8357	7653	6977	6239	5471	4729	4116
-32.5°	10954	10085	9255	8490	7815	7191	6549	5849	5091	4459	3860
-35°	10109	9308	8591	7917	7303	6732	6111	5410	4745	4151	3571
-37.5°	9353	8572	7908	7328	6815	6274	5654	5033	4407	3808	3302
-40°	8571	7842	7253	6781	6290	5803	5258	4680	4062	3477	3039
-42.5°	7813	7225	6644	6171	5732	5333	4872	4289	3721	3213	2792
-45°	7070	6536	6006	5575	5209	4835	4424	3893	3384	2947	2550
-47.5°	6308	5858	5415	5015	4688	4325	3928	3478	3060	2668	2315
-50°	5575	5211	4852	4505	4175	3820	3465	3103	2730	2387	2068
-52.5°	4886	4584	4281	3977	3688	3378	3051	2728	2400	2114	1829
-55°	4237	3978	3738	3495	3251	2971	2676	2385	2124	1861	1628
-57.5°	3663	3436	3245	3046	2840	2592	2340	2094	1877	1659	1444
-60°	3156	2957	2794	2620	2438	2231	2030	1836	1648	1470	1285
-62.5°	2676	2517	2369	2222	2074	1917	1745	1589	1443	1294	1126
-65°	2223	2098	1974	1856	1734	1607	1471	1347	1228	1107	962
-67.5°	1810	1712	1612	1512	1417	1317	1213	1110	1013	914	796
-70°	1457	1383	1305	1222	1144	1065	985	901	813	732	651
-72.5°	1176	1123	1065	998	927	859	794	729	661	592	522
-75°	950	911	867	811	754	695	640	584	522	455	390
-77.5°	753	729	701	657	612	566	517	456	393	331	277
-80°	564	553	537	498	459	420	380	326	273	223	183
-82.5°	372	365	354	328	303	278	252	215	179	145	116
-85°	203	197	190	177	165	153	141	120	101	83	67
-87.5°	74	72	69	67	64	61	58	52	47	41	35
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627920 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-727-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	24	24	24	24	24	24	24	24	22	20	18
87.5°	0	0	0	0	0	0	0	0	1	3	4
85°	0	0	0	0	0	0	0	0	0	1	2
82.5°	0	0	0	0	1	2	2	2	1	0	1
80°	0	0	0	0	2	4	5	5	4	3	2
77.5°	0	0	0	0	1	2	5	7	7	6	4
75°	0	0	0	0	1	0	2	4	7	8	6
72.5°	0	0	0	1	2	2	1	1	5	7	8
70°	1	0	0	1	3	5	5	4	3	6	8
67.5°	4	4	3	2	4	6	7	7	6	5	7
65°	9	9	8	7	6	6	8	10	9	8	7
62.5°	14	14	13	12	10	9	8	11	12	11	9
60°	18	19	18	16	15	13	12	13	14	14	11
57.5°	25	24	24	22	19	17	16	16	16	16	14
55°	44	31	31	29	25	21	20	20	19	18	16
52.5°	112	62	40	37	32	26	24	23	22	21	19
50°	206	133	76	47	40	34	29	27	25	24	21
47.5°	330	229	149	75	52	43	36	31	29	27	23
45°	508	338	234	148	70	59	44	35	32	30	25
42.5°	707	496	329	224	133	82	53	42	36	33	28
40°	902	685	442	308	200	110	76	50	39	36	30
37.5°	1118	886	619	399	269	168	104	58	44	39	33
35°	1385	1108	796	531	356	222	136	74	54	43	36
32.5°	1651	1330	987	685	448	272	177	106	66	46	39
30°	1919	1533	1168	828	553	351	221	137	80	50	42
27.5°	2161	1725	1336	977	676	436	267	167	95	57	45
25°	2434	1933	1502	1120	788	523	314	196	117	68	49
22.5°	2785	2146	1656	1249	900	607	374	235	141	81	52
20°	3134	2354	1807	1411	1021	702	445	273	164	93	55
17.5°	3476	2621	2027	1576	1151	790	510	311	186	106	58
15°	3783	2926	2242	1732	1278	871	571	348	206	119	62
12.5°	4041	3190	2445	1878	1400	946	626	383	225	134	68
10°	4254	3412	2634	2014	1516	1013	676	418	246	149	74
7.5°	4424	3596	2805	2136	1621	1076	730	455	268	164	79
5°	4552	3740	2937	2224	1704	1134	779	489	287	177	85
2.5°	4636	3846	3036	2293	1772	1182	823	520	305	190	91
0°	4685	3921	3110	2346	1824	1221	860	546	321	201	96
-2.5°	4729	3971	3175	2439	1860	1286	883	570	347	209	106
-5°	4743	3993	3217	2510	1881	1338	900	590	369	215	115
-7.5°	4719	3980	3232	2550	1891	1375	910	605	387	220	123
-10°	4664	3936	3212	2538	1905	1387	915	617	400	224	130
-12.5°	4584	3871	3170	2511	1902	1379	930	625	407	227	134
-15°	4478	3786	3105	2472	1880	1363	934	628	406	231	137
-17.5°	4354	3683	3019	2421	1835	1338	926	625	402	238	140
-20°	4229	3568	2916	2361	1768	1305	904	613	395	243	143

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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°	4083	3437	2828	2277	1695	1266	869	594	384	245	144
-25°	3916	3283	2721	2162	1638	1222	833	566	371	244	144
-27.5°	3726	3119	2595	2036	1578	1160	798	545	359	241	142
-30°	3515	2964	2445	1915	1505	1093	753	523	354	236	138
-32.5°	3287	2790	2284	1823	1423	1024	713	497	345	230	138
-35°	3073	2601	2119	1717	1335	983	687	468	333	222	139
-37.5°	2845	2402	1989	1605	1242	936	665	455	317	212	138
-40°	2624	2214	1838	1500	1174	883	631	441	301	200	136
-42.5°	2402	2036	1693	1384	1109	831	588	419	289	192	133
-45°	2196	1854	1540	1284	1038	766	554	392	273	187	130
-47.5°	1981	1667	1399	1174	944	694	512	370	255	180	129
-50°	1758	1491	1268	1053	829	635	466	344	248	175	125
-52.5°	1564	1336	1134	929	742	565	432	317	239	171	121
-55°	1396	1188	1002	827	660	514	393	303	229	165	115
-57.5°	1248	1052	893	736	591	464	365	288	217	157	111
-60°	1103	943	794	655	527	422	344	270	204	147	105
-62.5°	970	829	700	574	469	387	319	249	188	135	98
-65°	831	710	601	502	417	346	287	225	166	120	89
-67.5°	685	597	512	429	360	301	251	193	142	103	78
-70°	571	493	421	356	299	251	205	156	114	88	66
-72.5°	454	391	332	280	240	199	157	120	95	73	54
-75°	336	293	255	219	183	147	120	95	75	57	46
-77.5°	244	213	185	162	137	113	90	70	57	47	39
-80°	166	150	134	118	98	79	65	54	46	38	31
-82.5°	104	96	88	80	68	58	48	40	34	29	25
-85°	62	57	53	48	42	36	33	31	28	26	23
-87.5°	35	34	34	33	32	30	29	27	25	23	20
-90°	0	0	0	0	0	0	0	0	2	4	6

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CATALOG NUMBER: GFLD-SA6D-727-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	16	14	12	10	8	8	8
87.5°	6	7	7	8	8	8	8
85°	4	5	7	7	8	8	8
82.5°	2	4	6	7	8	8	8
80°	0	3	5	7	8	8	8
77.5°	2	3	5	7	8	8	8
75°	4	4	4	7	8	8	8
72.5°	6	5	5	6	8	8	8
70°	8	6	6	6	8	8	8
67.5°	8	7	6	7	8	8	8
65°	9	8	7	7	8	8	8
62.5°	9	9	8	7	8	8	8
60°	10	10	8	7	8	8	8
57.5°	11	10	9	8	8	8	8
55°	13	11	10	8	8	8	8
52.5°	15	12	10	8	8	8	8
50°	17	14	11	8	9	8	8
47.5°	19	16	12	8	9	8	8
45°	21	17	13	9	9	8	8
42.5°	23	19	14	10	9	8	8
40°	25	20	15	11	10	8	8
37.5°	27	22	17	12	10	8	8
35°	28	23	18	13	10	8	8
32.5°	30	24	19	14	11	8	8
30°	33	26	20	15	11	8	8
27.5°	35	27	21	16	11	8	8
25°	37	28	22	17	12	8	8
22.5°	40	29	23	18	12	8	8
20°	42	31	25	19	13	8	8
17.5°	44	32	26	19	13	8	8
15°	46	33	27	20	14	8	8
12.5°	49	35	28	21	14	8	8
10°	50	36	29	22	14	8	8
7.5°	52	37	30	22	15	8	8
5°	54	38	31	23	15	8	8
2.5°	55	39	31	24	16	8	8
0°	56	40	32	24	16	8	8
-2.5°	59	41	33	24	16	8	8
-5°	62	42	33	24	16	8	8
-7.5°	65	43	34	24	16	8	8
-10°	67	43	34	24	16	8	8
-12.5°	68	44	35	24	16	8	8
-15°	69	44	35	23	16	8	8
-17.5°	70	44	35	23	15	8	8
-20°	72	45	34	23	15	8	8

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76	45	34	22	15	8	8
-25°	80	48	33	22	15	8	8
-27.5°	83	52	33	21	14	8	8
-30°	85	55	32	21	14	8	8
-32.5°	86	57	33	20	14	8	8
-35°	88	60	34	20	13	8	8
-37.5°	91	61	34	19	13	8	8
-40°	92	61	35	18	12	8	8
-42.5°	92	61	35	18	12	8	8
-45°	92	61	35	18	11	8	8
-47.5°	91	60	35	18	11	8	8
-50°	89	59	34	18	10	8	8
-52.5°	86	57	33	17	10	8	8
-55°	83	54	32	17	9	8	8
-57.5°	79	52	30	16	9	8	8
-60°	75	48	28	16	8	8	8
-62.5°	69	44	26	15	8	8	8
-65°	62	39	25	14	8	8	8
-67.5°	55	35	23	13	8	8	8
-70°	47	32	21	12	8	8	8
-72.5°	41	29	18	11	8	8	8
-75°	36	25	16	11	8	8	8
-77.5°	30	21	15	11	8	8	8
-80°	24	19	15	11	8	8	8
-82.5°	22	18	14	11	8	8	8
-85°	20	17	13	11	8	8	8
-87.5°	18	15	13	10	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)