

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627734 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-MR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627734 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-727-U-MR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	33635.3 lumens	Max Intensity:	118591.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	107.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

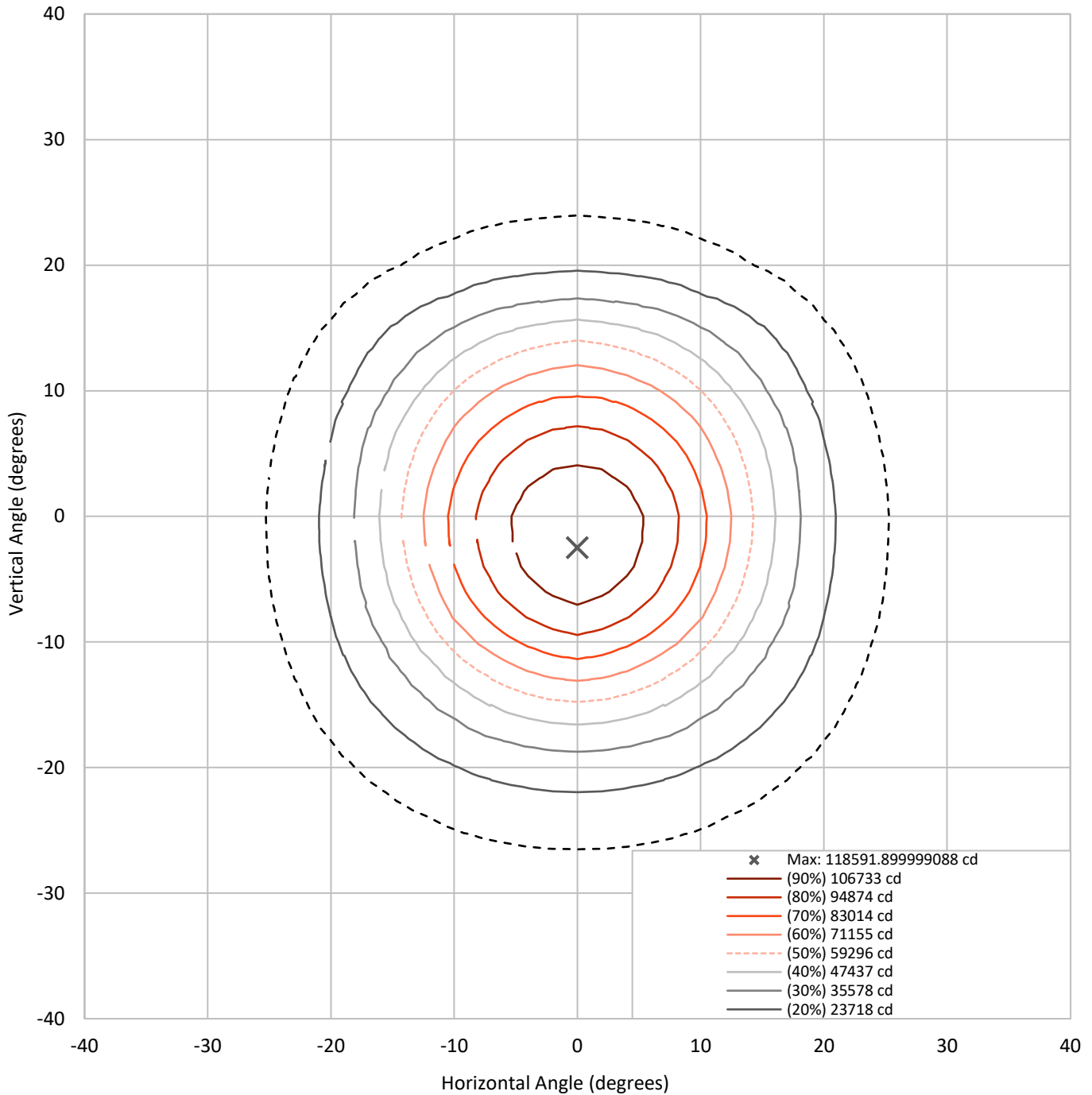
Beam Angle (50%):	28.2°H x 28.7°V	Field Angle (10%):	50.2°H x 50.4°V
Beam Lumens:	16818 lumens	Field Lumens:	28899 lumens
Beam Efficiency:	50.0%	Field Efficiency:	85.9%

Input Watts (W): 313.7
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



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Iso-Candela Plot





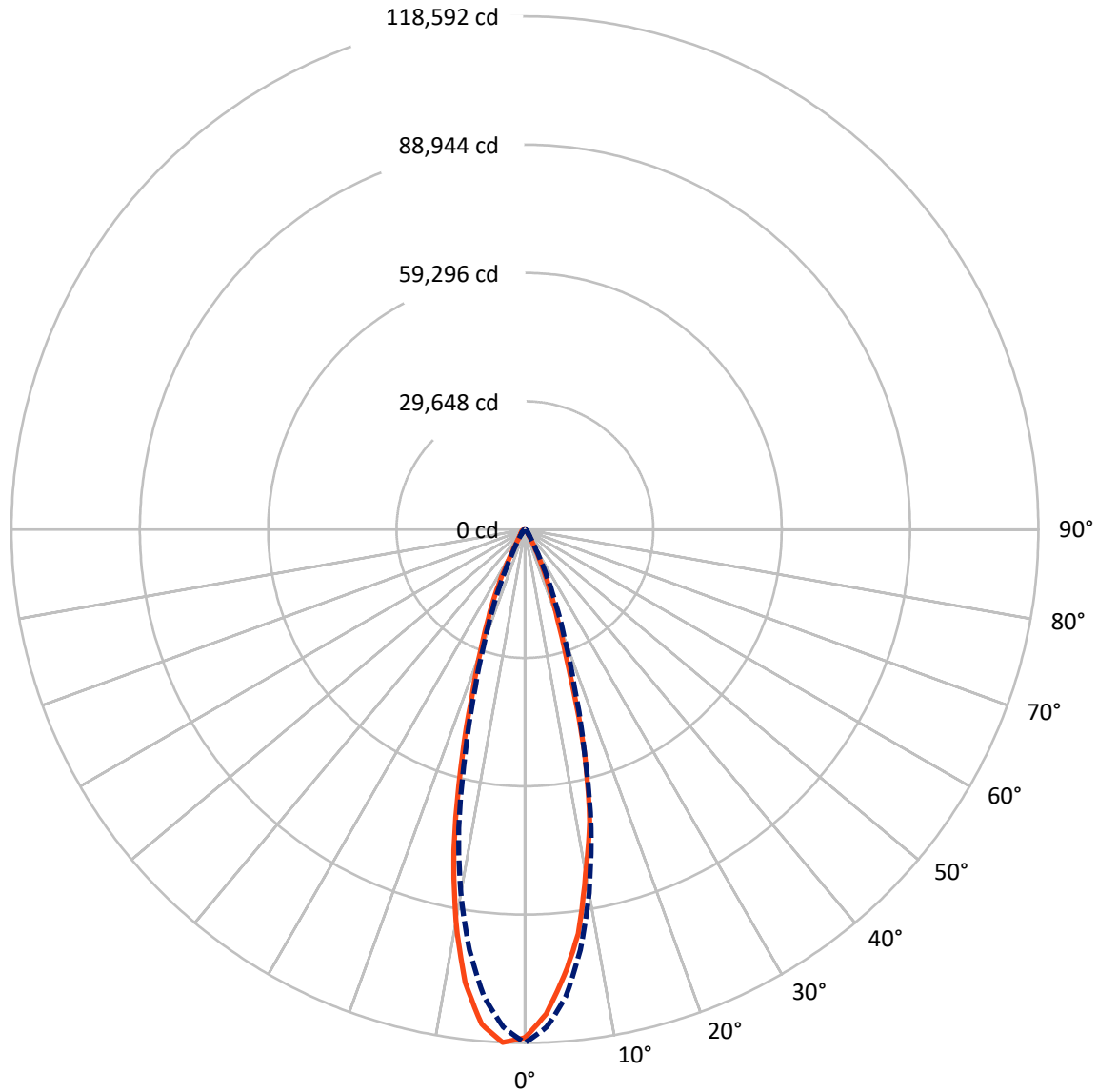
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Lumen Table

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	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	0.9	2.3	3.9	5.3	6.4	6.4	5.3	3.9	2.3	0.9	0.2	0.0				
40	0.1	0.2	1.1	3.7	7.1	10.9	15.3	17.9	17.9	15.3	10.9	7.1	3.7	1.1	0.2	0.1			
30		0.5	2.8	7.2	13.2	21.7	36.3	48.4	48.4	36.3	21.7	13.2	7.2	2.8	0.5				
20	0.2	1.1	4.5	11.0	20.9	50.8	159.6	292.8	292.8	159.6	50.8	20.9	11.0	4.5	1.1	0.2			
10		1.7	6.3	14.9	35.8	175.2	712.3	1394.7	1394.7	712.3	175.2	35.8	14.9	6.3	1.7				
0	0.5	2.1	7.6	17.8	51.3	333.9	1438.3	2819.1	2819.1	1438.3	333.9	51.3	17.8	7.6	2.1	0.5			
-10		2.4	8.3	18.8	54.9	349.8	1475.8	2989.3	2989.3	1475.8	349.8	54.9	18.8	8.3	2.4				
-20	0.6	2.6	8.4	18.3	45.1	214.8	816.1	1581.9	1581.9	816.1	214.8	45.1	18.3	8.4	2.6	0.6			
-30		2.5	8.0	16.7	33.1	83.4	252.7	450.9	450.9	252.7	83.4	33.1	16.7	8.0	2.5				
-40	0.6	2.2	7.2	14.5	25.1	41.2	67.2	89.9	89.9	67.2	41.2	25.1	14.5	7.2	2.2	0.6			
-50		1.9	5.9	12.0	19.8	28.4	37.4	41.9	41.9	37.4	28.4	19.8	12.0	5.9	1.9				
-60	0.4	1.4	4.5	9.4	15.5	21.5	26.9	29.3	29.3	26.9	21.5	15.5	9.4	4.5	1.4	0.4			
-70		0.9	2.8	6.1	10.3	14.7	18.4	20.3	20.3	18.4	14.7	10.3	6.1	2.8	0.9				
-80	0.1	2.2	9.9	21.5	27.1	21.5	9.9	2.2	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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Luminous Intensity Polar Plot

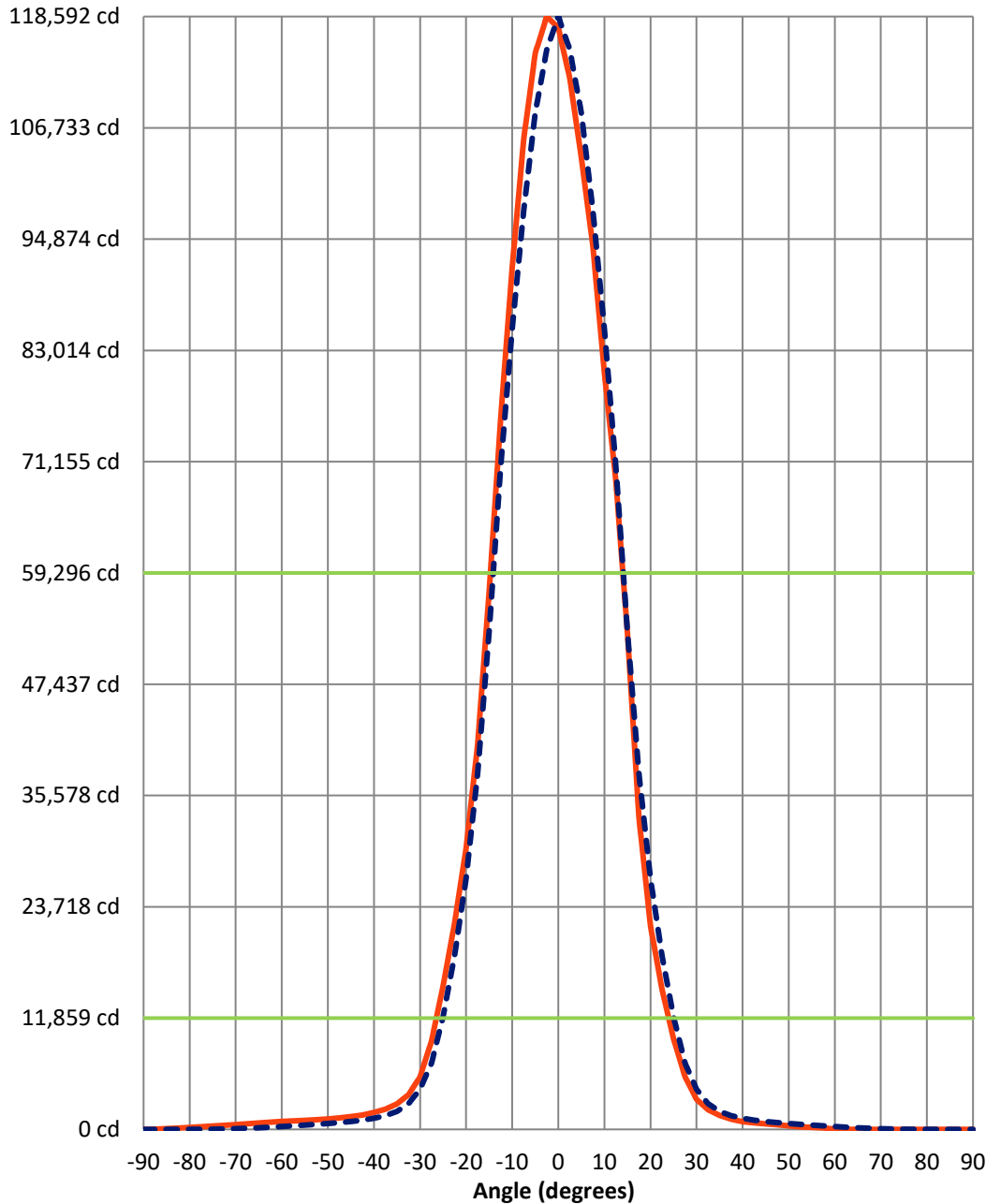


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -2.5-Deg



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Luminous Intensity Plot



Beam:
H Angle: 28.2°
V Angle: 28.7°
Lumens: 16818
Efficiency: 50.0%

Field:
H Angle: 50.2°
V Angle: 50.4°
Lumens: 28899
Efficiency: 85.9%

Spill:
Lumens: 4736.3
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	2	2
57.5°	0	0	0	0	0	0	0	0	1	3	3
55°	0	0	0	0	0	0	1	0	3	5	3
52.5°	0	0	0	0	0	0	1	2	5	5	4
50°	0	0	0	0	0	1	2	4	7	6	5
47.5°	0	0	0	0	0	2	3	6	7	6	6
45°	0	0	0	0	0	2	4	7	8	7	7
42.5°	0	0	0	0	0	3	5	8	8	7	12
40°	0	0	0	0	0	4	6	8	8	8	18
37.5°	0	0	0	0	1	5	7	8	9	11	25
35°	0	0	0	0	2	6	7	8	11	18	32
32.5°	0	0	0	0	3	6	8	8	14	25	41
30°	0	0	0	0	3	7	8	8	17	32	50
27.5°	0	0	0	0	4	7	8	10	21	38	59
25°	0	0	0	0	5	7	8	13	27	45	70
22.5°	0	0	0	0	5	8	8	16	32	53	84
20°	0	0	0	0	6	8	8	19	36	62	96
17.5°	0	0	0	0	6	8	8	22	41	70	108
15°	0	0	0	0	6	8	9	25	45	78	118
12.5°	0	0	0	0	7	8	10	29	49	87	128
10°	0	0	0	0	7	8	11	33	54	94	136
7.5°	0	0	0	0	7	8	12	36	57	102	145
5°	0	0	0	0	7	8	13	39	61	108	152
2.5°	0	0	0	0	7	8	14	42	64	114	159
0°	0	0	0	0	8	8	15	45	67	119	164
-2.5°	0	0	0	0	7	8	18	46	74	124	169
-5°	0	0	0	1	7	9	21	46	80	127	173
-7.5°	0	0	0	1	7	10	23	47	85	130	176
-10°	0	0	0	2	7	11	25	47	89	132	178
-12.5°	0	0	0	2	7	11	27	48	91	134	182
-15°	0	0	0	3	7	12	29	48	92	136	185
-17.5°	0	0	0	3	7	12	30	50	91	137	187
-20°	0	0	0	3	7	12	30	52	89	136	187

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REPORT NUMBER: P627734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-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	7	12	31	54	87	135	184
-25°	0	0	0	3	7	13	31	55	85	132	179
-27.5°	0	0	0	3	7	14	31	56	82	128	175
-30°	0	0	0	3	8	14	31	56	82	124	170
-32.5°	0	0	0	3	8	15	30	55	81	119	163
-35°	0	0	0	3	9	15	30	54	80	114	155
-37.5°	0	0	0	3	9	15	30	53	79	110	151
-40°	0	0	0	2	10	16	30	51	76	106	147
-42.5°	0	0	0	2	10	16	29	49	73	103	141
-45°	0	0	0	1	9	16	28	47	71	98	135
-47.5°	0	0	0	1	9	16	26	45	67	92	128
-50°	0	0	0	1	8	16	26	42	64	88	119
-52.5°	0	0	0	1	8	15	24	39	59	82	109
-55°	0	0	0	1	7	14	23	35	54	76	101
-57.5°	0	0	0	2	6	13	21	33	49	69	92
-60°	0	0	0	2	5	12	19	30	44	62	83
-62.5°	0	0	0	2	5	11	18	27	40	55	74
-65°	0	0	0	2	5	10	17	24	35	49	64
-67.5°	0	0	0	2	5	9	15	22	31	43	56
-70°	0	0	0	2	4	9	14	20	27	37	49
-72.5°	0	0	0	1	4	8	12	17	23	31	41
-75°	0	0	0	1	4	7	11	14	19	25	33
-77.5°	0	0	0	1	3	6	9	12	15	19	24
-80°	0	0	0	1	3	5	8	9	11	14	18
-82.5°	0	0	0	1	2	4	6	7	8	9	11
-85°	0	0	0	0	1	2	4	5	5	6	6
-87.5°	0	0	0	0	1	1	2	2	3	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627734 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	2	1	2	3
60°	1	0	1	2	2	3	4	6	7	7	15
57.5°	1	2	4	4	5	8	12	14	24	34	41
55°	2	5	6	6	11	18	24	37	50	65	79
52.5°	5	8	7	12	22	32	48	65	85	100	112
50°	7	9	10	24	37	54	77	102	119	133	154
47.5°	10	11	23	38	57	83	113	134	151	178	208
45°	14	22	36	57	82	117	144	164	193	224	256
42.5°	20	33	53	75	115	148	174	202	233	269	303
40°	29	45	71	105	146	178	211	242	275	316	353
37.5°	39	62	92	134	175	211	248	284	324	367	410
35°	47	79	116	160	202	246	286	328	377	425	474
32.5°	60	97	138	184	231	279	323	378	429	481	541
30°	76	115	159	209	257	309	366	425	477	535	599
27.5°	93	133	180	232	282	338	407	467	522	586	655
25°	109	151	201	253	308	372	446	507	565	636	718
22.5°	124	169	223	272	332	407	482	550	617	686	783
20°	139	188	245	297	357	439	518	595	672	760	868
17.5°	153	206	265	324	390	472	555	640	727	834	968
15°	166	223	286	350	421	504	592	685	786	911	1064
12.5°	179	238	306	373	448	533	624	721	838	988	1179
10°	190	252	325	394	471	559	652	753	879	1041	1264
7.5°	200	265	342	414	492	582	676	781	913	1085	1332
5°	210	278	355	428	508	600	695	804	941	1120	1387
2.5°	217	289	365	439	520	612	708	819	959	1153	1429
0°	224	299	373	448	530	620	717	829	971	1180	1456
-2.5°	231	308	382	457	540	628	725	838	984	1188	1463
-5°	237	316	388	464	548	632	730	841	990	1189	1466
-7.5°	241	322	393	469	553	637	733	845	993	1187	1465
-10°	243	325	397	474	558	641	734	844	988	1174	1441
-12.5°	248	326	399	476	559	642	731	837	974	1151	1394
-15°	251	326	399	475	558	641	725	824	952	1122	1334
-17.5°	252	325	397	471	554	638	717	811	932	1091	1292
-20°	252	324	394	464	547	630	709	801	913	1053	1235

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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°	250	321	389	457	537	618	699	785	888	1007	1170
-25°	246	317	383	451	525	604	684	764	863	976	1114
-27.5°	240	311	377	443	513	587	666	745	834	938	1057
-30°	231	302	367	433	501	572	644	722	803	900	1008
-32.5°	220	291	355	420	488	556	621	696	775	858	956
-35°	210	278	342	404	473	537	599	666	742	820	903
-37.5°	204	264	328	387	452	517	575	637	706	782	857
-40°	196	250	313	371	429	493	552	607	669	743	815
-42.5°	187	240	297	354	409	467	527	581	639	706	774
-45°	179	229	281	336	391	443	499	555	611	671	735
-47.5°	169	216	267	316	370	423	471	525	583	639	696
-50°	158	203	249	295	346	399	449	495	548	604	660
-52.5°	146	188	231	273	320	370	421	470	515	563	616
-55°	131	171	211	251	293	339	388	437	484	528	574
-57.5°	119	152	190	229	267	306	353	400	445	490	536
-60°	107	134	168	205	243	279	318	362	405	447	489
-62.5°	94	119	147	178	214	250	287	324	364	400	436
-65°	83	103	127	154	184	216	250	286	322	351	379
-67.5°	71	88	108	130	156	183	210	241	274	301	327
-70°	61	73	90	108	129	151	175	200	225	249	274
-72.5°	51	62	74	86	104	124	143	163	183	205	226
-75°	42	50	60	70	83	99	115	133	150	166	183
-77.5°	32	40	48	55	65	77	90	103	117	131	145
-80°	23	29	36	43	50	57	65	75	84	95	106
-82.5°	16	20	25	31	35	39	44	49	56	64	72
-85°	9	11	14	18	20	22	25	27	32	36	41
-87.5°	4	6	7	9	9	10	10	11	12	14	16
-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	2	1	0	0
62.5°	2	3	6	8	9	9	10	10	10	10	10
60°	19	18	28	34	33	26	37	42	40	35	34
57.5°	52	65	75	78	88	104	109	107	108	113	127
55°	92	102	109	124	140	154	165	173	182	191	202
52.5°	125	142	154	170	190	202	207	228	246	260	269
50°	178	195	215	236	255	273	288	309	334	359	375
47.5°	233	256	282	312	333	351	370	398	432	462	481
45°	285	312	343	372	397	421	450	485	519	550	573
42.5°	331	362	395	428	450	487	528	564	606	645	674
40°	385	414	463	497	527	566	626	678	728	776	806
37.5°	450	499	551	593	633	682	764	845	908	972	1017
35°	526	585	651	696	756	848	950	1060	1172	1261	1341
32.5°	599	665	731	804	895	1025	1153	1331	1496	1664	1823
30°	665	738	819	913	1060	1241	1449	1721	2017	2311	2647
27.5°	734	815	912	1061	1283	1529	1914	2343	2954	3446	4239
25°	809	901	1032	1270	1577	2011	2683	3448	4712	5792	7010
22.5°	901	1041	1227	1526	2038	2818	3864	5530	7472	9275	10995
20°	1013	1204	1521	1997	2732	3932	5914	8442	11142	13781	16333
17.5°	1161	1464	1918	2595	3636	6160	9110	12722	17345	20818	24111
15°	1297	1680	2367	3462	5422	8669	12792	18323	24547	29781	35701
12.5°	1457	1920	2748	4168	6970	11262	16518	23114	30480	38425	47698
10°	1597	2166	3231	5186	8584	13580	19470	27212	36674	47915	59635
7.5°	1705	2371	3635	5949	9944	15481	22507	31924	43907	57045	70411
5°	1788	2530	3952	6547	11101	17025	24724	35651	49310	64390	77681
2.5°	1853	2642	4162	6915	11883	18079	26240	37633	52617	69185	83141
0°	1904	2710	4279	7176	12246	18578	26941	38433	54166	71534	85886
-2.5°	1922	2746	4284	7085	12025	18548	26777	37942	53097	70602	85303
-5°	1928	2728	4176	6897	11633	17882	25705	36078	49833	66252	81151
-7.5°	1914	2655	3957	6435	10754	16708	24208	33313	44587	59064	74462
-10°	1862	2528	3660	5808	9542	14875	21877	29570	38576	50394	62874
-12.5°	1769	2337	3251	4869	8117	12801	19001	25802	32821	40588	50852
-15°	1658	2142	2917	4300	6796	10622	15643	21387	27212	33159	39421
-17.5°	1573	1973	2574	3539	5218	8311	12326	16942	21668	26391	30608
-20°	1465	1770	2240	2991	4210	6040	9060	12652	16183	20034	23266

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REPORT NUMBER: P627734 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1369	1629	1980	2453	3273	4562	6283	8811	11495	14292	16945
-25°	1279	1475	1754	2133	2623	3390	4527	5848	7732	9452	11423
-27.5°	1202	1366	1556	1837	2208	2628	3326	4097	5085	5905	7220
-30°	1128	1260	1416	1597	1869	2188	2563	3031	3514	3998	4629
-32.5°	1059	1170	1292	1438	1606	1846	2079	2379	2643	2935	3235
-35°	992	1090	1191	1306	1436	1594	1768	1967	2143	2318	2476
-37.5°	934	1015	1104	1195	1299	1409	1546	1686	1804	1919	2016
-40°	884	953	1026	1102	1185	1274	1381	1484	1564	1638	1699
-42.5°	840	900	957	1022	1091	1172	1255	1334	1389	1440	1481
-45°	797	849	902	954	1011	1082	1153	1215	1258	1296	1326
-47.5°	751	799	846	895	949	1006	1063	1109	1147	1180	1202
-50°	707	753	796	837	885	935	985	1024	1057	1086	1102
-52.5°	664	708	751	793	832	872	910	948	981	1011	1022
-55°	621	665	704	742	781	818	853	885	916	944	953
-57.5°	580	624	665	696	729	763	796	828	857	883	893
-60°	532	577	613	644	675	707	736	765	794	819	830
-62.5°	476	517	549	579	608	635	662	688	714	735	747
-65°	410	444	477	506	532	557	581	605	627	643	653
-67.5°	352	378	405	431	457	482	504	525	544	558	567
-70°	297	320	344	368	391	413	432	451	468	481	490
-72.5°	246	267	288	310	331	349	366	382	397	408	417
-75°	200	218	236	254	272	287	301	314	326	336	343
-77.5°	159	172	186	199	213	225	236	247	256	264	271
-80°	118	128	139	149	159	167	175	184	192	199	205
-82.5°	80	88	96	104	112	117	121	125	129	134	139
-85°	46	51	56	61	66	69	72	76	78	81	84
-87.5°	18	20	23	25	27	28	28	29	29	31	33
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627734 (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°
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	2
62.5°	9	8	7	7	7	8	9	10	10	10	10
60°	32	30	30	30	30	30	32	34	35	40	42
57.5°	139	149	155	157	155	149	139	127	113	108	107
55°	212	219	220	217	220	219	212	202	191	182	173
52.5°	274	275	273	269	273	275	274	269	260	246	228
50°	380	379	379	381	379	379	380	375	359	334	309
47.5°	489	494	496	493	496	494	489	481	462	432	398
45°	583	591	593	590	593	591	583	573	550	519	485
42.5°	685	690	692	694	692	690	685	674	645	606	564
40°	820	825	824	821	824	825	820	806	776	728	678
37.5°	1048	1063	1071	1090	1071	1063	1048	1017	972	908	845
35°	1403	1441	1462	1493	1462	1441	1403	1341	1261	1172	1060
32.5°	1937	2016	2057	2098	2057	2016	1937	1823	1664	1496	1331
30°	2880	3034	3096	3211	3096	3034	2880	2647	2311	2017	1721
27.5°	4821	5186	5330	5630	5330	5186	4821	4239	3446	2954	2343
25°	8120	8907	9341	9685	9341	8907	8120	7010	5792	4712	3448
22.5°	12731	13885	14501	14957	14501	13885	12731	10995	9275	7472	5530
20°	18646	20169	21077	21737	21077	20169	18646	16333	13781	11142	8442
17.5°	28338	30731	32131	33333	32131	30731	28338	24111	20818	17345	12722
15°	42306	47115	50852	52934	50852	47115	42306	35701	29781	24547	18323
12.5°	55895	62938	67123	69048	67123	62938	55895	47698	38425	30480	23114
10°	69333	75975	79956	80659	79956	75975	69333	59635	47915	36674	27212
7.5°	79621	86925	92215	94137	92215	86925	79621	70411	57045	43907	31924
5°	88707	97260	102858	103568	102858	97260	88707	77681	64390	49310	35651
2.5°	95391	104689	110118	111984	110118	104689	95391	83141	69185	52617	37633
0°	98625	108638	114679	117397	114679	108638	98625	85886	71534	54166	38433
-2.5°	97945	108301	115044	118592	115044	108301	97945	85303	70602	53097	37942
-5°	94221	104608	110895	114664	110895	104608	94221	81151	66252	49833	36078
-7.5°	85633	95346	102039	105517	102039	95346	85633	74462	59064	44587	33313
-10°	74567	82787	88888	91852	88888	82787	74567	62874	50394	38576	29570
-12.5°	60187	68161	73664	75761	73664	68161	60187	50852	40588	32821	25802
-15°	46114	52200	56109	57347	56109	52200	46114	39421	33159	27212	21387
-17.5°	34971	38247	40446	41039	40446	38247	34971	30608	26391	21668	16942
-20°	26200	28230	29657	29995	29657	28230	26200	23266	20034	16183	12652

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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°	19089	20616	21769	21998	21769	20616	19089	16945	14292	11495	8811
-25°	13168	14444	15226	15285	15226	14444	13168	11423	9452	7732	5848
-27.5°	8255	8956	9318	9446	9318	8956	8255	7220	5905	5085	4097
-30°	5101	5425	5595	5600	5595	5425	5101	4629	3998	3514	3031
-32.5°	3463	3619	3704	3704	3704	3619	3463	3235	2935	2643	2379
-35°	2594	2675	2721	2726	2721	2675	2594	2476	2318	2143	1967
-37.5°	2086	2131	2154	2158	2154	2131	2086	2016	1919	1804	1686
-40°	1744	1775	1795	1807	1795	1775	1744	1699	1638	1564	1484
-42.5°	1508	1529	1538	1531	1538	1529	1508	1481	1440	1389	1334
-45°	1344	1356	1363	1367	1363	1356	1344	1326	1296	1258	1215
-47.5°	1213	1219	1222	1225	1222	1219	1213	1202	1180	1147	1109
-50°	1110	1115	1116	1113	1116	1115	1110	1102	1086	1057	1024
-52.5°	1027	1028	1029	1031	1029	1028	1027	1022	1011	981	948
-55°	958	961	962	963	962	961	958	953	944	916	885
-57.5°	901	907	907	904	907	907	901	893	883	857	828
-60°	839	846	850	851	850	846	839	830	819	794	765
-62.5°	757	764	768	769	768	764	757	747	735	714	688
-65°	661	668	678	687	678	668	661	653	643	627	605
-67.5°	574	579	589	597	589	579	574	567	558	544	525
-70°	498	505	507	508	507	505	498	490	481	468	451
-72.5°	424	431	433	433	433	431	424	417	408	397	382
-75°	350	356	358	358	358	356	350	343	336	326	314
-77.5°	277	282	283	284	283	282	277	271	264	256	247
-80°	210	215	213	209	213	215	210	205	199	192	184
-82.5°	144	149	145	142	145	149	144	139	134	129	125
-85°	87	89	86	82	86	89	87	84	81	78	76
-87.5°	35	37	34	30	34	37	35	33	31	29	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627734 (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°
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°	10	9	9	8	6	3	2	3	2	1	2
60°	37	26	33	34	28	18	19	15	7	7	6
57.5°	109	104	88	78	75	65	52	41	34	24	14
55°	165	154	140	124	109	102	92	79	65	50	37
52.5°	207	202	190	170	154	142	125	112	100	85	65
50°	288	273	255	236	215	195	178	154	133	119	102
47.5°	370	351	333	312	282	256	233	208	178	151	134
45°	450	421	397	372	343	312	285	256	224	193	164
42.5°	528	487	450	428	395	362	331	303	269	233	202
40°	626	566	527	497	463	414	385	353	316	275	242
37.5°	764	682	633	593	551	499	450	410	367	324	284
35°	950	848	756	696	651	585	526	474	425	377	328
32.5°	1153	1025	895	804	731	665	599	541	481	429	378
30°	1449	1241	1060	913	819	738	665	599	535	477	425
27.5°	1914	1529	1283	1061	912	815	734	655	586	522	467
25°	2683	2011	1577	1270	1032	901	809	718	636	565	507
22.5°	3864	2818	2038	1526	1227	1041	901	783	686	617	550
20°	5914	3932	2732	1997	1521	1204	1013	868	760	672	595
17.5°	9110	6160	3636	2595	1918	1464	1161	968	834	727	640
15°	12792	8669	5422	3462	2367	1680	1297	1064	911	786	685
12.5°	16518	11262	6970	4168	2748	1920	1457	1179	988	838	721
10°	19470	13580	8584	5186	3231	2166	1597	1264	1041	879	753
7.5°	22507	15481	9944	5949	3635	2371	1705	1332	1085	913	781
5°	24724	17025	11101	6547	3952	2530	1788	1387	1120	941	804
2.5°	26240	18079	11883	6915	4162	2642	1853	1429	1153	959	819
0°	26941	18578	12246	7176	4279	2710	1904	1456	1180	971	829
-2.5°	26777	18548	12025	7085	4284	2746	1922	1463	1188	984	838
-5°	25705	17882	11633	6897	4176	2728	1928	1466	1189	990	841
-7.5°	24208	16708	10754	6435	3957	2655	1914	1465	1187	993	845
-10°	21877	14875	9542	5808	3660	2528	1862	1441	1174	988	844
-12.5°	19001	12801	8117	4869	3251	2337	1769	1394	1151	974	837
-15°	15643	10622	6796	4300	2917	2142	1658	1334	1122	952	824
-17.5°	12326	8311	5218	3539	2574	1973	1573	1292	1091	932	811
-20°	9060	6040	4210	2991	2240	1770	1465	1235	1053	913	801

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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°	6283	4562	3273	2453	1980	1629	1369	1170	1007	888	785
-25°	4527	3390	2623	2133	1754	1475	1279	1114	976	863	764
-27.5°	3326	2628	2208	1837	1556	1366	1202	1057	938	834	745
-30°	2563	2188	1869	1597	1416	1260	1128	1008	900	803	722
-32.5°	2079	1846	1606	1438	1292	1170	1059	956	858	775	696
-35°	1768	1594	1436	1306	1191	1090	992	903	820	742	666
-37.5°	1546	1409	1299	1195	1104	1015	934	857	782	706	637
-40°	1381	1274	1185	1102	1026	953	884	815	743	669	607
-42.5°	1255	1172	1091	1022	957	900	840	774	706	639	581
-45°	1153	1082	1011	954	902	849	797	735	671	611	555
-47.5°	1063	1006	949	895	846	799	751	696	639	583	525
-50°	985	935	885	837	796	753	707	660	604	548	495
-52.5°	910	872	832	793	751	708	664	616	563	515	470
-55°	853	818	781	742	704	665	621	574	528	484	437
-57.5°	796	763	729	696	665	624	580	536	490	445	400
-60°	736	707	675	644	613	577	532	489	447	405	362
-62.5°	662	635	608	579	549	517	476	436	400	364	324
-65°	581	557	532	506	477	444	410	379	351	322	286
-67.5°	504	482	457	431	405	378	352	327	301	274	241
-70°	432	413	391	368	344	320	297	274	249	225	200
-72.5°	366	349	331	310	288	267	246	226	205	183	163
-75°	301	287	272	254	236	218	200	183	166	150	133
-77.5°	236	225	213	199	186	172	159	145	131	117	103
-80°	175	167	159	149	139	128	118	106	95	84	75
-82.5°	121	117	112	104	96	88	80	72	64	56	49
-85°	72	69	66	61	56	51	46	41	36	32	27
-87.5°	28	28	27	25	23	20	18	16	14	12	11
-90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	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	2	2	1	0	1	2	2	0	0
57.5°	12	8	5	4	4	2	1	3	3	1	0
55°	24	18	11	6	6	5	2	3	5	3	0
52.5°	48	32	22	12	7	8	5	4	5	5	2
50°	77	54	37	24	10	9	7	5	6	7	4
47.5°	113	83	57	38	23	11	10	6	6	7	6
45°	144	117	82	57	36	22	14	7	7	8	7
42.5°	174	148	115	75	53	33	20	12	7	8	8
40°	211	178	146	105	71	45	29	18	8	8	8
37.5°	248	211	175	134	92	62	39	25	11	9	8
35°	286	246	202	160	116	79	47	32	18	11	8
32.5°	323	279	231	184	138	97	60	41	25	14	8
30°	366	309	257	209	159	115	76	50	32	17	8
27.5°	407	338	282	232	180	133	93	59	38	21	10
25°	446	372	308	253	201	151	109	70	45	27	13
22.5°	482	407	332	272	223	169	124	84	53	32	16
20°	518	439	357	297	245	188	139	96	62	36	19
17.5°	555	472	390	324	265	206	153	108	70	41	22
15°	592	504	421	350	286	223	166	118	78	45	25
12.5°	624	533	448	373	306	238	179	128	87	49	29
10°	652	559	471	394	325	252	190	136	94	54	33
7.5°	676	582	492	414	342	265	200	145	102	57	36
5°	695	600	508	428	355	278	210	152	108	61	39
2.5°	708	612	520	439	365	289	217	159	114	64	42
0°	717	620	530	448	373	299	224	164	119	67	45
-2.5°	725	628	540	457	382	308	231	169	124	74	46
-5°	730	632	548	464	388	316	237	173	127	80	46
-7.5°	733	637	553	469	393	322	241	176	130	85	47
-10°	734	641	558	474	397	325	243	178	132	89	47
-12.5°	731	642	559	476	399	326	248	182	134	91	48
-15°	725	641	558	475	399	326	251	185	136	92	48
-17.5°	717	638	554	471	397	325	252	187	137	91	50
-20°	709	630	547	464	394	324	252	187	136	89	52

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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°	699	618	537	457	389	321	250	184	135	87	54
-25°	684	604	525	451	383	317	246	179	132	85	55
-27.5°	666	587	513	443	377	311	240	175	128	82	56
-30°	644	572	501	433	367	302	231	170	124	82	56
-32.5°	621	556	488	420	355	291	220	163	119	81	55
-35°	599	537	473	404	342	278	210	155	114	80	54
-37.5°	575	517	452	387	328	264	204	151	110	79	53
-40°	552	493	429	371	313	250	196	147	106	76	51
-42.5°	527	467	409	354	297	240	187	141	103	73	49
-45°	499	443	391	336	281	229	179	135	98	71	47
-47.5°	471	423	370	316	267	216	169	128	92	67	45
-50°	449	399	346	295	249	203	158	119	88	64	42
-52.5°	421	370	320	273	231	188	146	109	82	59	39
-55°	388	339	293	251	211	171	131	101	76	54	35
-57.5°	353	306	267	229	190	152	119	92	69	49	33
-60°	318	279	243	205	168	134	107	83	62	44	30
-62.5°	287	250	214	178	147	119	94	74	55	40	27
-65°	250	216	184	154	127	103	83	64	49	35	24
-67.5°	210	183	156	130	108	88	71	56	43	31	22
-70°	175	151	129	108	90	73	61	49	37	27	20
-72.5°	143	124	104	86	74	62	51	41	31	23	17
-75°	115	99	83	70	60	50	42	33	25	19	14
-77.5°	90	77	65	55	48	40	32	24	19	15	12
-80°	65	57	50	43	36	29	23	18	14	11	9
-82.5°	44	39	35	31	25	20	16	11	9	8	7
-85°	25	22	20	18	14	11	9	6	6	5	5
-87.5°	10	10	9	9	7	6	4	3	3	3	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627734 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-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	2	0	0	0	0	0
45°	4	2	0	0	0	0	0
42.5°	5	3	0	0	0	0	0
40°	6	4	0	0	0	0	0
37.5°	7	5	1	0	0	0	0
35°	7	6	2	0	0	0	0
32.5°	8	6	3	0	0	0	0
30°	8	7	3	0	0	0	0
27.5°	8	7	4	0	0	0	0
25°	8	7	5	0	0	0	0
22.5°	8	8	5	0	0	0	0
20°	8	8	6	0	0	0	0
17.5°	8	8	6	0	0	0	0
15°	9	8	6	0	0	0	0
12.5°	10	8	7	0	0	0	0
10°	11	8	7	0	0	0	0
7.5°	12	8	7	0	0	0	0
5°	13	8	7	0	0	0	0
2.5°	14	8	7	0	0	0	0
0°	15	8	8	0	0	0	0
-2.5°	18	8	7	0	0	0	0
-5°	21	9	7	1	0	0	0
-7.5°	23	10	7	1	0	0	0
-10°	25	11	7	2	0	0	0
-12.5°	27	11	7	2	0	0	0
-15°	29	12	7	3	0	0	0
-17.5°	30	12	7	3	0	0	0
-20°	30	12	7	3	0	0	0

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CATALOG NUMBER: GFLD-SA5E-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	31	12	7	3	0	0	0
-25°	31	13	7	3	0	0	0
-27.5°	31	14	7	3	0	0	0
-30°	31	14	8	3	0	0	0
-32.5°	30	15	8	3	0	0	0
-35°	30	15	9	3	0	0	0
-37.5°	30	15	9	3	0	0	0
-40°	30	16	10	2	0	0	0
-42.5°	29	16	10	2	0	0	0
-45°	28	16	9	1	0	0	0
-47.5°	26	16	9	1	0	0	0
-50°	26	16	8	1	0	0	0
-52.5°	24	15	8	1	0	0	0
-55°	23	14	7	1	0	0	0
-57.5°	21	13	6	2	0	0	0
-60°	19	12	5	2	0	0	0
-62.5°	18	11	5	2	0	0	0
-65°	17	10	5	2	0	0	0
-67.5°	15	9	5	2	0	0	0
-70°	14	9	4	2	0	0	0
-72.5°	12	8	4	1	0	0	0
-75°	11	7	4	1	0	0	0
-77.5°	9	6	3	1	0	0	0
-80°	8	5	3	1	0	0	0
-82.5°	6	4	2	1	0	0	0
-85°	4	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)