

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: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-MR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627434 (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-SA4D-727-U-MR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24747 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 87253.3 candela  
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V  
Beam Lumens: 12373.7 lumens  
Beam Efficiency: 50.0%

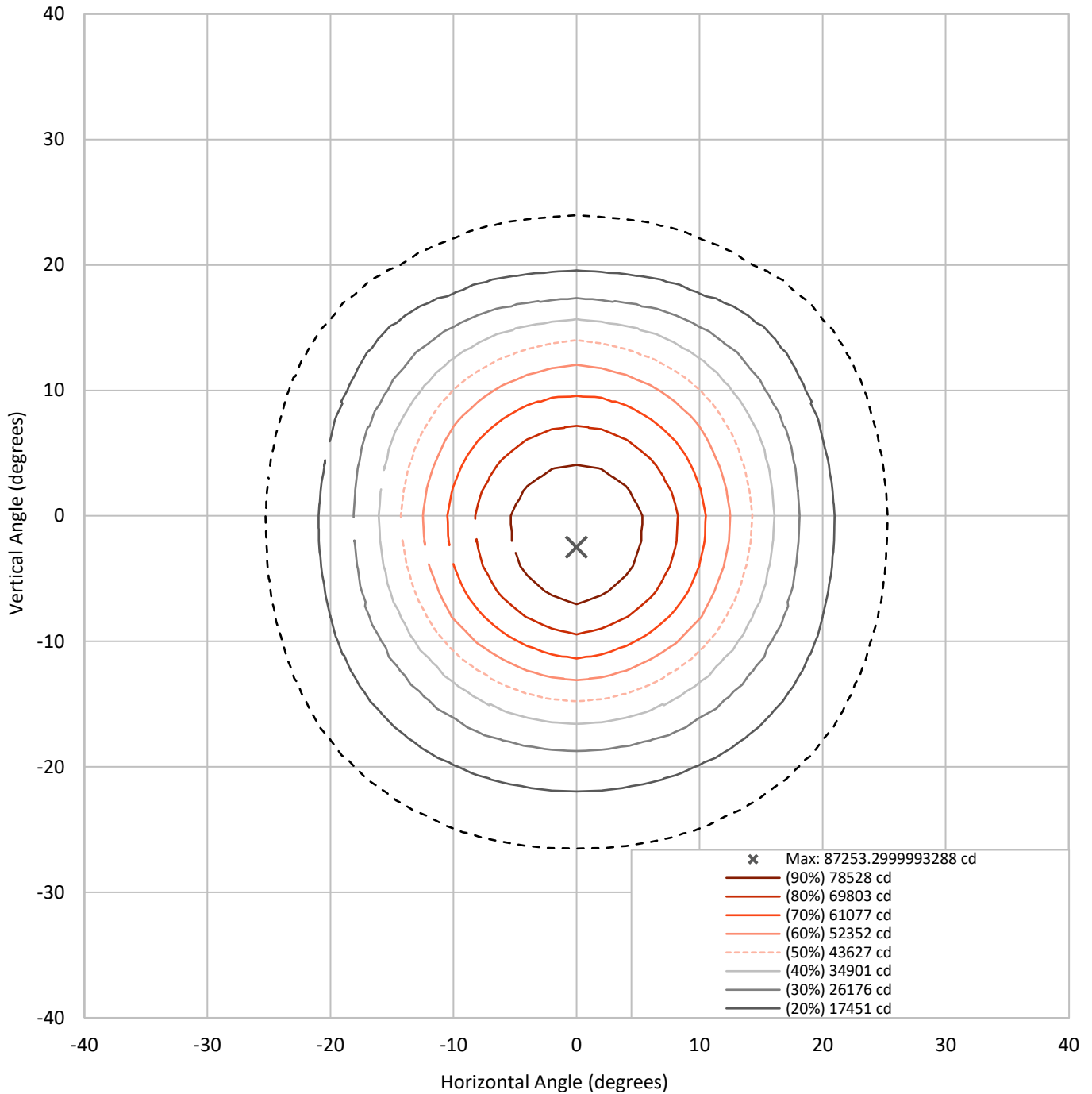
Field Angle (10%): 50.2°H x 50.4°V  
Field Lumens: 21262.2 lumens  
Field Efficiency: 85.9%

Input Watts (W): 221.4  
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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CATALOG NUMBER: GFLD-SA4D-727-U-MR-VSR-XX

### Iso-Candela Plot





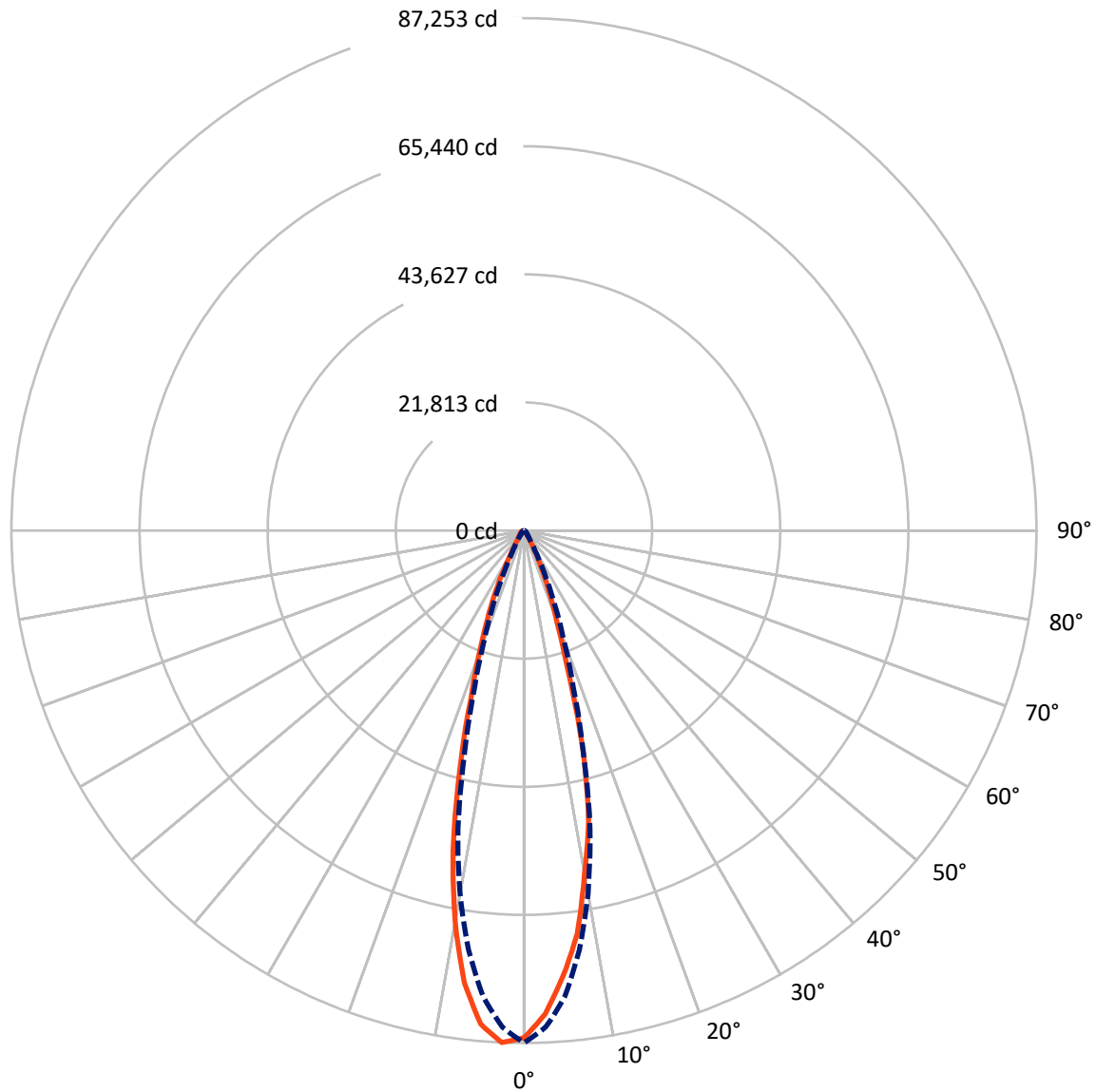
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### Lumen Table

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	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0			
50		0.0	0.1	0.7	1.7	2.8	3.9	4.7	4.7	3.9	2.8	1.7	0.7	0.1	0.0				
40	0.1	0.1	0.8	2.7	5.2	8.0	11.2	13.2	13.2	11.2	8.0	5.2	2.7	0.8	0.1	0.1			
30		0.4	2.1	5.3	9.7	16.0	26.7	35.6	35.6	26.7	16.0	9.7	5.3	2.1	0.4				
20	0.2	0.8	3.3	8.1	15.4	37.4	117.4	215.4	215.4	117.4	37.4	15.4	8.1	3.3	0.8	0.2			
10		1.2	4.6	11.0	26.3	128.9	524.1	1026.2	1026.2	524.1	128.9	26.3	11.0	4.6	1.2				
0	0.4	1.6	5.6	13.1	37.8	245.7	1058.2	2074.1	2074.1	1058.2	245.7	37.8	13.1	5.6	1.6	0.4			
-10		1.8	6.1	13.8	40.4	257.4	1085.8	2199.3	2199.3	1085.8	257.4	40.4	13.8	6.1	1.8				
-20	0.5	1.9	6.2	13.5	33.2	158.0	600.4	1163.9	1163.9	600.4	158.0	33.2	13.5	6.2	1.9	0.5			
-30		1.8	5.9	12.3	24.3	61.4	185.9	331.8	331.8	185.9	61.4	24.3	12.3	5.9	1.8				
-40	0.4	1.6	5.3	10.7	18.5	30.3	49.4	66.1	66.1	49.4	30.3	18.5	10.7	5.3	1.6	0.4			
-50		1.4	4.4	8.8	14.6	20.9	27.5	30.8	30.8	27.5	20.9	14.6	8.8	4.4	1.4				
-60	0.3	1.0	3.3	6.9	11.4	15.9	19.8	21.6	21.6	19.8	15.9	11.4	6.9	3.3	1.0	0.3			
-70		0.6	2.0	4.5	7.6	10.8	13.5	15.0	15.0	13.5	10.8	7.6	4.5	2.0	0.6				
-80	0.1	1.6	7.3	15.8	20.0	15.8	7.3	1.6	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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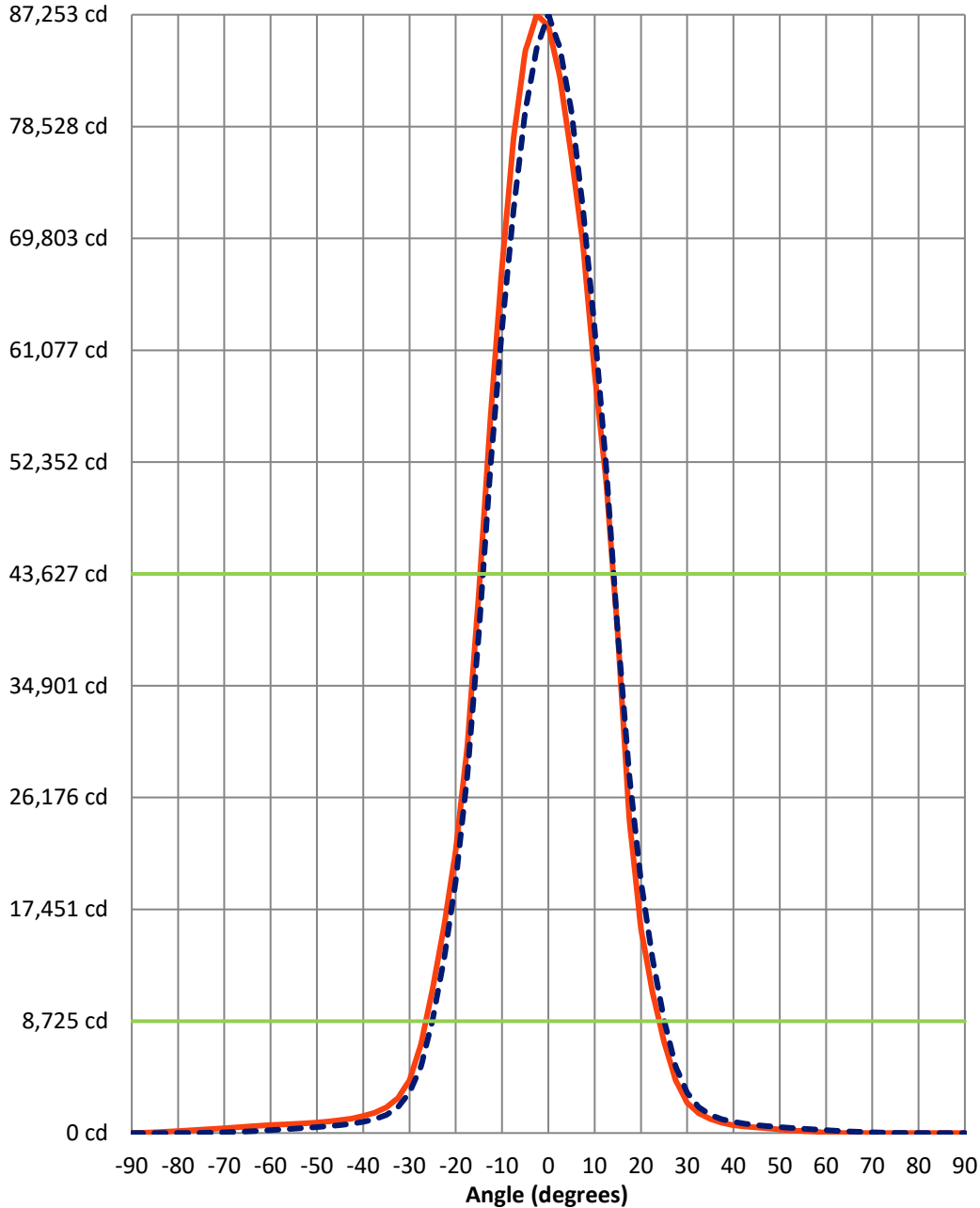
### Luminous Intensity Polar Plot



— 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: 12373.7  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 21262.2  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 3484.7  
 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	1
57.5°	0	0	0	0	0	0	0	0	1	2	2
55°	0	0	0	0	0	0	1	0	2	3	2
52.5°	0	0	0	0	0	0	1	2	4	4	3
50°	0	0	0	0	0	1	2	3	5	4	4
47.5°	0	0	0	0	0	1	2	4	5	4	5
45°	0	0	0	0	0	2	3	5	6	5	5
42.5°	0	0	0	0	0	2	4	6	6	5	9
40°	0	0	0	0	0	3	4	6	6	6	13
37.5°	0	0	0	0	1	4	5	6	7	8	18
35°	0	0	0	0	1	4	5	6	8	13	24
32.5°	0	0	0	0	2	5	6	6	10	18	30
30°	0	0	0	0	3	5	6	6	12	23	37
27.5°	0	0	0	0	3	5	6	8	16	28	44
25°	0	0	0	0	3	5	6	9	20	33	51
22.5°	0	0	0	0	4	6	6	12	23	39	61
20°	0	0	0	0	4	6	6	14	27	45	71
17.5°	0	0	0	0	4	6	6	16	30	52	79
15°	0	0	0	0	5	6	6	19	33	58	87
12.5°	0	0	0	0	5	6	7	21	36	64	94
10°	0	0	0	0	5	6	8	24	39	69	100
7.5°	0	0	0	0	5	6	9	27	42	75	106
5°	0	0	0	0	5	6	9	29	45	80	112
2.5°	0	0	0	0	5	6	10	31	47	84	117
0°	0	0	0	0	6	6	11	33	49	88	121
-2.5°	0	0	0	0	5	6	13	34	54	91	124
-5°	0	0	0	1	5	7	15	34	59	93	127
-7.5°	0	0	0	1	5	7	17	35	62	96	129
-10°	0	0	0	1	5	8	19	35	65	97	131
-12.5°	0	0	0	2	5	8	20	35	67	99	134
-15°	0	0	0	2	5	8	21	35	67	100	136
-17.5°	0	0	0	2	5	9	22	37	67	101	138
-20°	0	0	0	2	5	9	22	38	66	100	137

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CATALOG NUMBER: GFLD-SA4D-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	2	5	9	23	40	64	99	135
-25°	0	0	0	3	5	9	23	41	63	97	132
-27.5°	0	0	0	3	5	10	23	41	61	94	129
-30°	0	0	0	2	6	11	23	41	60	91	125
-32.5°	0	0	0	2	6	11	22	41	60	88	120
-35°	0	0	0	2	7	11	22	40	59	84	114
-37.5°	0	0	0	2	7	11	22	39	58	81	111
-40°	0	0	0	2	7	12	22	38	56	78	108
-42.5°	0	0	0	1	7	12	22	36	54	76	104
-45°	0	0	0	1	7	12	21	35	52	72	99
-47.5°	0	0	0	1	6	12	19	33	50	68	94
-50°	0	0	0	1	6	12	19	31	47	65	87
-52.5°	0	0	0	1	6	11	18	29	44	60	80
-55°	0	0	0	1	5	11	17	26	40	56	74
-57.5°	0	0	0	1	5	10	16	24	36	51	68
-60°	0	0	0	1	4	9	14	22	32	46	61
-62.5°	0	0	0	1	4	8	13	20	29	40	54
-65°	0	0	0	1	4	8	12	18	26	36	47
-67.5°	0	0	0	1	4	7	11	16	23	32	41
-70°	0	0	0	1	3	6	10	14	20	27	36
-72.5°	0	0	0	1	3	6	9	13	17	23	30
-75°	0	0	0	1	3	5	8	11	14	18	24
-77.5°	0	0	0	1	2	4	7	9	11	14	18
-80°	0	0	0	1	2	3	6	7	8	10	13
-82.5°	0	0	0	1	1	3	4	5	6	7	8
-85°	0	0	0	0	1	2	3	3	4	4	5
-87.5°	0	0	0	0	0	1	1	2	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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	0	1	2
60°	0	0	1	1	1	2	3	4	5	5	11
57.5°	1	1	3	3	4	6	9	10	17	25	30
55°	2	4	4	5	8	13	18	27	37	48	58
52.5°	4	6	5	9	16	24	35	48	63	73	83
50°	5	6	7	18	27	40	57	75	88	98	114
47.5°	7	8	17	28	42	61	83	98	111	131	153
45°	10	16	27	42	61	86	106	120	142	165	189
42.5°	14	25	39	55	84	109	128	149	172	198	223
40°	21	33	52	77	107	131	155	178	202	233	260
37.5°	28	45	67	98	129	155	182	209	238	270	302
35°	35	58	85	117	149	181	211	241	277	313	348
32.5°	44	71	102	136	170	205	238	278	316	354	398
30°	56	85	117	154	189	227	269	313	351	394	441
27.5°	69	98	133	171	208	249	299	343	384	431	482
25°	80	111	148	186	227	274	328	373	416	468	528
22.5°	91	124	164	200	245	299	354	405	454	505	576
20°	102	138	180	219	263	323	381	438	495	559	639
17.5°	113	152	195	239	287	347	408	471	535	614	712
15°	122	164	210	257	310	371	435	504	579	670	783
12.5°	131	175	225	274	329	392	459	531	617	727	867
10°	140	185	239	290	347	412	480	554	647	766	930
7.5°	147	195	252	304	362	428	497	575	672	798	980
5°	154	205	261	315	373	442	512	592	692	824	1020
2.5°	160	213	269	323	383	450	521	603	706	848	1051
0°	165	220	275	330	390	456	527	610	714	868	1071
-2.5°	170	227	281	336	397	462	534	616	724	874	1076
-5°	174	233	286	342	403	465	537	619	728	875	1079
-7.5°	177	237	289	345	407	469	539	622	731	873	1078
-10°	179	239	292	349	410	472	540	621	727	864	1060
-12.5°	182	240	294	350	411	473	538	616	717	847	1026
-15°	184	240	294	349	410	472	533	606	701	826	981
-17.5°	185	239	292	346	407	469	527	597	685	802	951
-20°	185	238	290	341	402	464	522	589	671	775	908

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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°	184	236	286	336	395	455	514	577	654	741	860
-25°	181	233	282	332	387	444	503	562	635	718	820
-27.5°	177	229	277	326	377	432	490	548	614	690	778
-30°	170	222	270	318	369	421	474	531	591	662	742
-32.5°	162	214	262	309	359	409	457	512	570	631	703
-35°	155	205	252	298	348	395	441	490	546	604	664
-37.5°	150	195	242	285	333	380	423	469	519	575	631
-40°	144	184	230	273	316	363	406	447	492	547	600
-42.5°	137	177	218	260	301	344	388	427	470	519	570
-45°	132	168	207	247	288	326	367	408	450	494	541
-47.5°	125	159	196	232	272	311	346	386	429	470	512
-50°	116	150	183	217	254	293	330	364	403	445	485
-52.5°	107	139	170	201	235	272	310	345	379	414	453
-55°	97	126	155	185	215	250	286	321	356	388	422
-57.5°	87	112	140	169	197	225	260	294	328	361	394
-60°	78	99	123	151	179	205	234	266	298	329	360
-62.5°	69	87	108	131	157	184	211	239	268	294	321
-65°	61	76	93	113	135	159	184	211	237	258	279
-67.5°	52	65	79	96	115	134	154	178	201	222	240
-70°	45	54	66	80	95	111	129	147	165	183	202
-72.5°	38	46	54	63	76	91	106	120	135	151	166
-75°	31	37	44	52	61	73	85	98	110	122	135
-77.5°	23	29	35	41	48	56	66	76	86	96	107
-80°	17	21	27	32	37	42	48	55	62	70	78
-82.5°	11	15	19	23	26	29	32	36	41	47	53
-85°	6	8	11	13	15	16	18	20	23	27	30
-87.5°	3	4	5	6	7	7	7	8	9	11	12
-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	1	1	1	0	0
62.5°	2	2	4	6	6	7	7	7	8	8	7
60°	14	14	21	25	24	19	27	31	30	26	25
57.5°	39	48	55	58	65	77	80	79	80	83	93
55°	67	75	80	91	103	113	121	127	134	141	149
52.5°	92	105	113	125	140	148	153	168	181	192	198
50°	131	144	158	174	188	201	212	227	245	264	276
47.5°	171	188	207	229	245	258	272	293	318	340	354
45°	210	229	252	274	292	309	331	357	382	404	421
42.5°	244	266	290	315	331	358	388	415	446	474	496
40°	283	305	341	366	387	417	460	499	536	571	593
37.5°	331	367	406	436	465	502	562	621	668	715	748
35°	387	431	479	512	556	624	699	780	862	928	987
32.5°	441	489	538	592	658	754	848	979	1100	1225	1341
30°	489	543	603	672	780	913	1066	1266	1484	1701	1948
27.5°	540	600	671	781	944	1125	1409	1724	2174	2536	3119
25°	595	663	759	935	1160	1479	1974	2537	3467	4262	5158
22.5°	663	766	903	1123	1499	2073	2843	4069	5498	6824	8090
20°	745	886	1119	1469	2010	2893	4352	6211	8198	10139	12017
17.5°	854	1077	1412	1909	2675	4532	6702	9360	12761	15317	17739
15°	954	1236	1741	2547	3989	6378	9412	13481	18061	21911	26267
12.5°	1072	1413	2022	3066	5128	8286	12153	17006	22426	28271	35093
10°	1175	1594	2377	3815	6316	9991	14325	20021	26983	35253	43876
7.5°	1254	1745	2674	4377	7316	11390	16559	23488	32304	41970	51804
5°	1316	1862	2907	4817	8168	12526	18190	26230	36280	47374	57153
2.5°	1364	1944	3062	5088	8743	13302	19306	27688	38712	50903	61170
0°	1401	1994	3148	5280	9010	13669	19822	28277	39852	52631	63190
-2.5°	1414	2021	3152	5213	8847	13646	19701	27916	39066	51945	62761
-5°	1419	2007	3073	5075	8559	13157	18912	26544	36664	48744	59706
-7.5°	1408	1953	2911	4735	7912	12293	17811	24510	32805	43456	54785
-10°	1370	1860	2693	4273	7021	10944	16096	21756	28382	37077	46259
-12.5°	1302	1720	2392	3582	5972	9418	13980	18984	24148	29862	37414
-15°	1220	1576	2146	3164	5000	7815	11509	15735	20021	24397	29004
-17.5°	1157	1451	1894	2604	3839	6115	9069	12465	15943	19417	22520
-20°	1078	1303	1648	2201	3097	4444	6666	9308	11907	14740	17118

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REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-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°	1007	1198	1457	1805	2408	3356	4623	6483	8457	10515	12468
-25°	941	1085	1290	1570	1930	2494	3330	4303	5689	6954	8404
-27.5°	884	1005	1145	1352	1624	1933	2447	3014	3741	4344	5312
-30°	830	927	1042	1175	1375	1610	1886	2230	2585	2942	3405
-32.5°	779	861	951	1058	1182	1358	1530	1750	1945	2159	2380
-35°	730	802	876	961	1056	1172	1301	1447	1577	1706	1822
-37.5°	687	747	812	879	956	1036	1137	1240	1327	1412	1483
-40°	651	701	755	811	872	937	1016	1092	1150	1205	1250
-42.5°	618	662	704	752	803	863	924	982	1022	1060	1090
-45°	587	625	663	702	744	796	849	894	925	954	976
-47.5°	553	588	623	658	698	740	782	816	844	868	884
-50°	520	554	586	615	651	688	725	753	778	799	811
-52.5°	488	521	553	583	612	641	670	697	722	744	752
-55°	457	489	518	546	575	602	628	651	674	695	701
-57.5°	426	459	489	512	536	561	586	609	631	650	657
-60°	392	425	451	474	497	520	541	563	584	602	611
-62.5°	350	380	404	426	447	467	487	506	525	541	550
-65°	301	327	351	372	391	410	428	445	461	473	480
-67.5°	259	278	298	317	337	354	371	386	400	410	417
-70°	219	236	253	271	288	304	318	332	345	354	360
-72.5°	181	196	212	228	243	257	269	281	292	300	307
-75°	147	160	174	187	200	211	221	231	240	247	253
-77.5°	117	127	137	147	157	166	174	181	189	194	199
-80°	87	95	102	110	117	123	129	135	141	146	151
-82.5°	59	65	70	76	82	86	89	92	95	99	102
-85°	34	38	41	45	49	51	53	56	58	60	62
-87.5°	14	15	17	18	20	20	21	21	21	23	24
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	7	6	5	5	5	6	7	7	8	8	7
60°	24	22	22	22	22	22	24	25	26	30	31
57.5°	102	110	114	115	114	110	102	93	83	80	79
55°	156	161	162	159	162	161	156	149	141	134	127
52.5°	201	202	201	198	201	202	201	198	192	181	168
50°	279	279	279	280	279	279	279	276	264	245	227
47.5°	360	363	365	363	365	363	360	354	340	318	293
45°	429	435	436	434	436	435	429	421	404	382	357
42.5°	504	508	509	511	509	508	504	496	474	446	415
40°	603	607	606	604	606	607	603	593	571	536	499
37.5°	771	782	788	802	788	782	771	748	715	668	621
35°	1032	1060	1075	1099	1075	1060	1032	987	928	862	780
32.5°	1425	1483	1513	1544	1513	1483	1425	1341	1225	1100	979
30°	2119	2232	2278	2362	2278	2232	2119	1948	1701	1484	1266
27.5°	3547	3815	3921	4142	3921	3815	3547	3119	2536	2174	1724
25°	5974	6553	6873	7126	6873	6553	5974	5158	4262	3467	2537
22.5°	9367	10216	10669	11004	10669	10216	9367	8090	6824	5498	4069
20°	13719	14839	15507	15993	15507	14839	13719	12017	10139	8198	6211
17.5°	20850	22611	23640	24525	23640	22611	20850	17739	15317	12761	9360
15°	31127	34665	37414	38946	37414	34665	31127	26267	21911	18061	13481
12.5°	41124	46306	49385	50802	49385	46306	41124	35093	28271	22426	17006
10°	51011	55898	58827	59345	58827	55898	51011	43876	35253	26983	20021
7.5°	58581	63954	67847	69261	67847	63954	58581	51804	41970	32304	23488
5°	65266	71558	75677	76200	75677	71558	65266	57153	47374	36280	26230
2.5°	70184	77024	81018	82391	81018	77024	70184	61170	50903	38712	27688
0°	72563	79930	84375	86374	84375	79930	72563	63190	52631	39852	28277
-2.5°	72062	79682	84643	87253	84643	79682	72062	62761	51945	39066	27916
-5°	69322	76964	81590	84364	81590	76964	69322	59706	48744	36664	26544
-7.5°	63004	70150	75074	77634	75074	70150	63004	54785	43456	32805	24510
-10°	54862	60910	65399	67580	65399	60910	54862	46259	37077	28382	21756
-12.5°	44282	50149	54198	55741	54198	50149	44282	37414	29862	24148	18984
-15°	33928	38406	41282	42193	41282	38406	33928	29004	24397	20021	15735
-17.5°	25729	28140	29758	30194	29758	28140	25729	22520	19417	15943	12465
-20°	19276	20770	21820	22069	21820	20770	19276	17118	14740	11907	9308

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REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14045	15168	16016	16185	16016	15168	14045	12468	10515	8457	6483
-25°	9688	10627	11202	11246	11202	10627	9688	8404	6954	5689	4303
-27.5°	6074	6590	6856	6950	6856	6590	6074	5312	4344	3741	3014
-30°	3753	3991	4116	4120	4116	3991	3753	3405	2942	2585	2230
-32.5°	2548	2663	2725	2725	2725	2663	2548	2380	2159	1945	1750
-35°	1909	1968	2002	2005	2002	1968	1909	1822	1706	1577	1447
-37.5°	1535	1568	1585	1588	1585	1568	1535	1483	1412	1327	1240
-40°	1283	1306	1320	1329	1320	1306	1283	1250	1205	1150	1092
-42.5°	1110	1125	1131	1126	1131	1125	1110	1090	1060	1022	982
-45°	989	998	1003	1005	1003	998	989	976	954	925	894
-47.5°	892	897	899	901	899	897	892	884	868	844	816
-50°	816	820	821	819	821	820	816	811	799	778	753
-52.5°	755	756	757	758	757	756	755	752	744	722	697
-55°	705	707	708	709	708	707	705	701	695	674	651
-57.5°	663	667	667	665	667	667	663	657	650	631	609
-60°	617	623	626	626	626	623	617	611	602	584	563
-62.5°	557	562	565	566	565	562	557	550	541	525	506
-65°	487	491	499	505	499	491	487	480	473	461	445
-67.5°	422	426	433	439	433	426	422	417	410	400	386
-70°	366	372	373	374	373	372	366	360	354	345	332
-72.5°	312	317	318	319	318	317	312	307	300	292	281
-75°	258	262	263	264	263	262	258	253	247	240	231
-77.5°	204	208	209	209	209	208	204	199	194	189	181
-80°	155	158	156	154	156	158	155	151	146	141	135
-82.5°	106	109	107	104	107	109	106	102	99	95	92
-85°	64	66	63	60	63	66	64	62	60	58	56
-87.5°	26	27	25	22	25	27	26	24	23	21	21
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	1	1	0	0	0	0	0	0	0	0	0
62.5°	7	7	6	6	4	2	2	2	1	0	1
60°	27	19	24	25	21	14	14	11	5	5	4
57.5°	80	77	65	58	55	48	39	30	25	17	10
55°	121	113	103	91	80	75	67	58	48	37	27
52.5°	153	148	140	125	113	105	92	83	73	63	48
50°	212	201	188	174	158	144	131	114	98	88	75
47.5°	272	258	245	229	207	188	171	153	131	111	98
45°	331	309	292	274	252	229	210	189	165	142	120
42.5°	388	358	331	315	290	266	244	223	198	172	149
40°	460	417	387	366	341	305	283	260	233	202	178
37.5°	562	502	465	436	406	367	331	302	270	238	209
35°	699	624	556	512	479	431	387	348	313	277	241
32.5°	848	754	658	592	538	489	441	398	354	316	278
30°	1066	913	780	672	603	543	489	441	394	351	313
27.5°	1409	1125	944	781	671	600	540	482	431	384	343
25°	1974	1479	1160	935	759	663	595	528	468	416	373
22.5°	2843	2073	1499	1123	903	766	663	576	505	454	405
20°	4352	2893	2010	1469	1119	886	745	639	559	495	438
17.5°	6702	4532	2675	1909	1412	1077	854	712	614	535	471
15°	9412	6378	3989	2547	1741	1236	954	783	670	579	504
12.5°	12153	8286	5128	3066	2022	1413	1072	867	727	617	531
10°	14325	9991	6316	3815	2377	1594	1175	930	766	647	554
7.5°	16559	11390	7316	4377	2674	1745	1254	980	798	672	575
5°	18190	12526	8168	4817	2907	1862	1316	1020	824	692	592
2.5°	19306	13302	8743	5088	3062	1944	1364	1051	848	706	603
0°	19822	13669	9010	5280	3148	1994	1401	1071	868	714	610
-2.5°	19701	13646	8847	5213	3152	2021	1414	1076	874	724	616
-5°	18912	13157	8559	5075	3073	2007	1419	1079	875	728	619
-7.5°	17811	12293	7912	4735	2911	1953	1408	1078	873	731	622
-10°	16096	10944	7021	4273	2693	1860	1370	1060	864	727	621
-12.5°	13980	9418	5972	3582	2392	1720	1302	1026	847	717	616
-15°	11509	7815	5000	3164	2146	1576	1220	981	826	701	606
-17.5°	9069	6115	3839	2604	1894	1451	1157	951	802	685	597
-20°	6666	4444	3097	2201	1648	1303	1078	908	775	671	589

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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°	4623	3356	2408	1805	1457	1198	1007	860	741	654	577
-25°	3330	2494	1930	1570	1290	1085	941	820	718	635	562
-27.5°	2447	1933	1624	1352	1145	1005	884	778	690	614	548
-30°	1886	1610	1375	1175	1042	927	830	742	662	591	531
-32.5°	1530	1358	1182	1058	951	861	779	703	631	570	512
-35°	1301	1172	1056	961	876	802	730	664	604	546	490
-37.5°	1137	1036	956	879	812	747	687	631	575	519	469
-40°	1016	937	872	811	755	701	651	600	547	492	447
-42.5°	924	863	803	752	704	662	618	570	519	470	427
-45°	849	796	744	702	663	625	587	541	494	450	408
-47.5°	782	740	698	658	623	588	553	512	470	429	386
-50°	725	688	651	615	586	554	520	485	445	403	364
-52.5°	670	641	612	583	553	521	488	453	414	379	345
-55°	628	602	575	546	518	489	457	422	388	356	321
-57.5°	586	561	536	512	489	459	426	394	361	328	294
-60°	541	520	497	474	451	425	392	360	329	298	266
-62.5°	487	467	447	426	404	380	350	321	294	268	239
-65°	428	410	391	372	351	327	301	279	258	237	211
-67.5°	371	354	337	317	298	278	259	240	222	201	178
-70°	318	304	288	271	253	236	219	202	183	165	147
-72.5°	269	257	243	228	212	196	181	166	151	135	120
-75°	221	211	200	187	174	160	147	135	122	110	98
-77.5°	174	166	157	147	137	127	117	107	96	86	76
-80°	129	123	117	110	102	95	87	78	70	62	55
-82.5°	89	86	82	76	70	65	59	53	47	41	36
-85°	53	51	49	45	41	38	34	30	27	23	20
-87.5°	21	20	20	18	17	15	14	12	11	9	8
-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°	3	2	1	1	1	0	0	1	1	0	0
57.5°	9	6	4	3	3	1	1	2	2	1	0
55°	18	13	8	5	4	4	2	2	3	2	0
52.5°	35	24	16	9	5	6	4	3	4	4	2
50°	57	40	27	18	7	6	5	4	4	5	3
47.5°	83	61	42	28	17	8	7	5	4	5	4
45°	106	86	61	42	27	16	10	5	5	6	5
42.5°	128	109	84	55	39	25	14	9	5	6	6
40°	155	131	107	77	52	33	21	13	6	6	6
37.5°	182	155	129	98	67	45	28	18	8	7	6
35°	211	181	149	117	85	58	35	24	13	8	6
32.5°	238	205	170	136	102	71	44	30	18	10	6
30°	269	227	189	154	117	85	56	37	23	12	6
27.5°	299	249	208	171	133	98	69	44	28	16	8
25°	328	274	227	186	148	111	80	51	33	20	9
22.5°	354	299	245	200	164	124	91	61	39	23	12
20°	381	323	263	219	180	138	102	71	45	27	14
17.5°	408	347	287	239	195	152	113	79	52	30	16
15°	435	371	310	257	210	164	122	87	58	33	19
12.5°	459	392	329	274	225	175	131	94	64	36	21
10°	480	412	347	290	239	185	140	100	69	39	24
7.5°	497	428	362	304	252	195	147	106	75	42	27
5°	512	442	373	315	261	205	154	112	80	45	29
2.5°	521	450	383	323	269	213	160	117	84	47	31
0°	527	456	390	330	275	220	165	121	88	49	33
-2.5°	534	462	397	336	281	227	170	124	91	54	34
-5°	537	465	403	342	286	233	174	127	93	59	34
-7.5°	539	469	407	345	289	237	177	129	96	62	35
-10°	540	472	410	349	292	239	179	131	97	65	35
-12.5°	538	473	411	350	294	240	182	134	99	67	35
-15°	533	472	410	349	294	240	184	136	100	67	35
-17.5°	527	469	407	346	292	239	185	138	101	67	37
-20°	522	464	402	341	290	238	185	137	100	66	38

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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°	514	455	395	336	286	236	184	135	99	64	40
-25°	503	444	387	332	282	233	181	132	97	63	41
-27.5°	490	432	377	326	277	229	177	129	94	61	41
-30°	474	421	369	318	270	222	170	125	91	60	41
-32.5°	457	409	359	309	262	214	162	120	88	60	41
-35°	441	395	348	298	252	205	155	114	84	59	40
-37.5°	423	380	333	285	242	195	150	111	81	58	39
-40°	406	363	316	273	230	184	144	108	78	56	38
-42.5°	388	344	301	260	218	177	137	104	76	54	36
-45°	367	326	288	247	207	168	132	99	72	52	35
-47.5°	346	311	272	232	196	159	125	94	68	50	33
-50°	330	293	254	217	183	150	116	87	65	47	31
-52.5°	310	272	235	201	170	139	107	80	60	44	29
-55°	286	250	215	185	155	126	97	74	56	40	26
-57.5°	260	225	197	169	140	112	87	68	51	36	24
-60°	234	205	179	151	123	99	78	61	46	32	22
-62.5°	211	184	157	131	108	87	69	54	40	29	20
-65°	184	159	135	113	93	76	61	47	36	26	18
-67.5°	154	134	115	96	79	65	52	41	32	23	16
-70°	129	111	95	80	66	54	45	36	27	20	14
-72.5°	106	91	76	63	54	46	38	30	23	17	13
-75°	85	73	61	52	44	37	31	24	18	14	11
-77.5°	66	56	48	41	35	29	23	18	14	11	9
-80°	48	42	37	32	27	21	17	13	10	8	7
-82.5°	32	29	26	23	19	15	11	8	7	6	5
-85°	18	16	15	13	11	8	6	5	4	4	3
-87.5°	7	7	7	6	5	4	3	2	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

Classified

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

Scaled Data Report



REPORT NUMBER: P627434 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-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°	2	1	0	0	0	0	0
45°	3	2	0	0	0	0	0
42.5°	4	2	0	0	0	0	0
40°	4	3	0	0	0	0	0
37.5°	5	4	1	0	0	0	0
35°	5	4	1	0	0	0	0
32.5°	6	5	2	0	0	0	0
30°	6	5	3	0	0	0	0
27.5°	6	5	3	0	0	0	0
25°	6	5	3	0	0	0	0
22.5°	6	6	4	0	0	0	0
20°	6	6	4	0	0	0	0
17.5°	6	6	4	0	0	0	0
15°	6	6	5	0	0	0	0
12.5°	7	6	5	0	0	0	0
10°	8	6	5	0	0	0	0
7.5°	9	6	5	0	0	0	0
5°	9	6	5	0	0	0	0
2.5°	10	6	5	0	0	0	0
0°	11	6	6	0	0	0	0
-2.5°	13	6	5	0	0	0	0
-5°	15	7	5	1	0	0	0
-7.5°	17	7	5	1	0	0	0
-10°	19	8	5	1	0	0	0
-12.5°	20	8	5	2	0	0	0
-15°	21	8	5	2	0	0	0
-17.5°	22	9	5	2	0	0	0
-20°	22	9	5	2	0	0	0

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CATALOG NUMBER: GFLD-SA4D-727-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23	9	5	2	0	0	0
-25°	23	9	5	3	0	0	0
-27.5°	23	10	5	3	0	0	0
-30°	23	11	6	2	0	0	0
-32.5°	22	11	6	2	0	0	0
-35°	22	11	7	2	0	0	0
-37.5°	22	11	7	2	0	0	0
-40°	22	12	7	2	0	0	0
-42.5°	22	12	7	1	0	0	0
-45°	21	12	7	1	0	0	0
-47.5°	19	12	6	1	0	0	0
-50°	19	12	6	1	0	0	0
-52.5°	18	11	6	1	0	0	0
-55°	17	11	5	1	0	0	0
-57.5°	16	10	5	1	0	0	0
-60°	14	9	4	1	0	0	0
-62.5°	13	8	4	1	0	0	0
-65°	12	8	4	1	0	0	0
-67.5°	11	7	4	1	0	0	0
-70°	10	6	3	1	0	0	0
-72.5°	9	6	3	1	0	0	0
-75°	8	5	3	1	0	0	0
-77.5°	7	4	2	1	0	0	0
-80°	6	3	2	1	0	0	0
-82.5°	4	3	1	1	0	0	0
-85°	3	2	1	0	0	0	0
-87.5°	1	1	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)