

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: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-MWR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-727-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

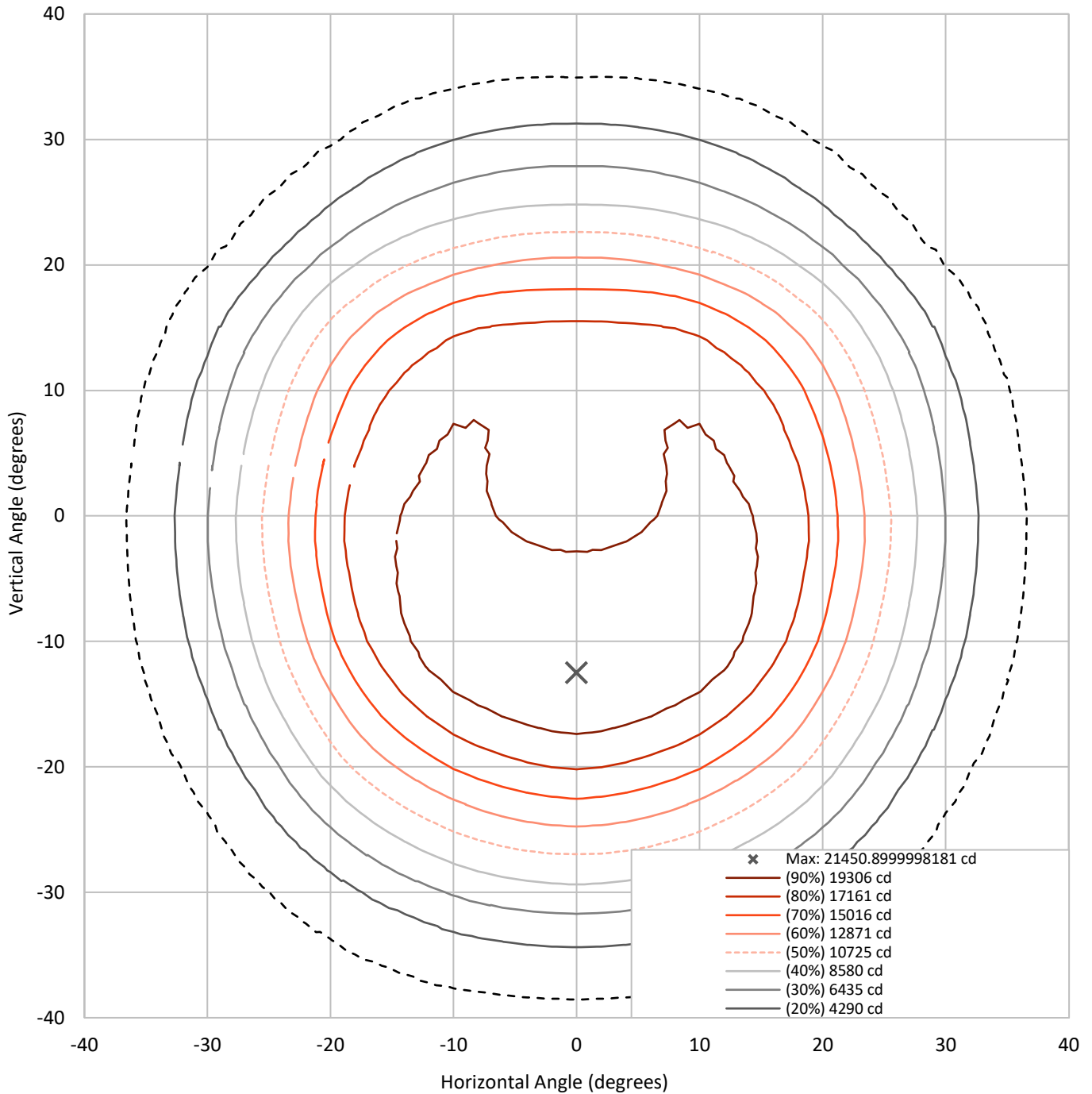
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	15311.3 lumens	Max Intensity:	21450.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	118.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	10255.5 lumens	Field Lumens:	13808.1 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.2%
Input Watts (W):	129.5		
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-SA4B-727-U-MWR-VSR-XX

### Iso-Candela Plot





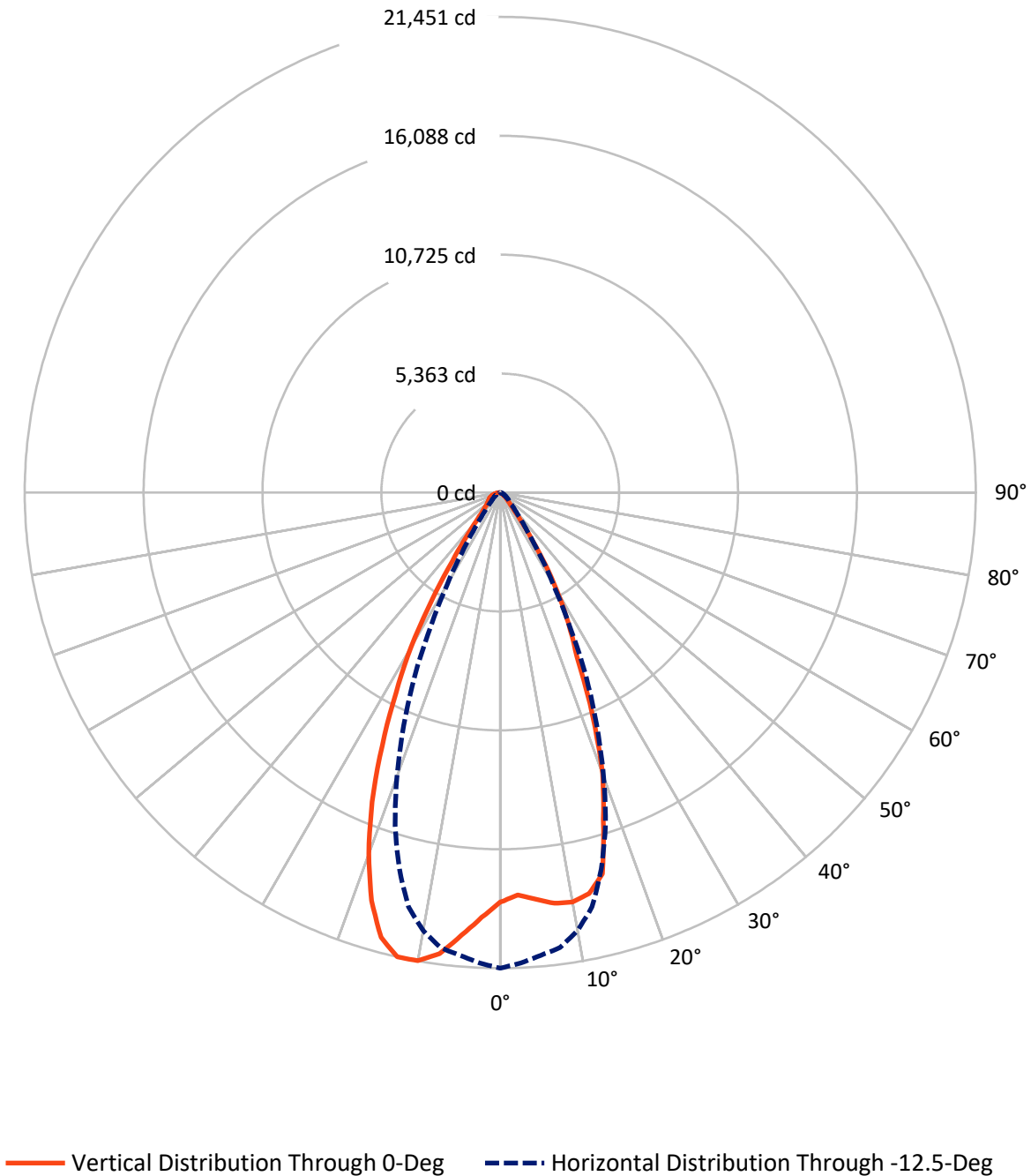
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### Lumen Table

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	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0				
50		0.0	0.1	0.5	1.2	2.1	2.9	3.4	3.4	2.9	2.1	1.2	0.5	0.1		0.0			
40	0.1	0.1	0.6	2.2	4.3	7.0	10.5	12.9	12.9	10.5	7.0	4.3	2.2	0.6	0.1				
30		0.3	1.7	4.4	9.2	19.9	45.2	69.0	69.0	45.2	19.9	9.2	4.4	1.7		0.3			
20	0.2	0.6	2.9	7.1	19.2	71.2	183.3	256.2	256.2	183.3	71.2	19.2	7.1	2.9	0.2				
10		1.0	4.0	11.1	45.7	197.7	412.3	510.5	510.5	412.3	197.7	45.7	11.1	4.0		1.0			
0	0.3	1.3	4.9	14.3	72.8	291.1	531.6	576.4	576.4	531.6	291.1	72.8	14.3	4.9	0.3				
-10		1.6	5.4	15.3	76.2	300.6	550.8	611.7	611.7	550.8	300.6	76.2	15.3	5.4		1.6			
-20	0.4	1.7	5.5	13.9	54.5	223.8	464.7	593.3	593.3	464.7	223.8	54.5	13.9	5.5	0.4				
-30		1.6	5.3	11.5	30.5	108.6	258.9	364.3	364.3	258.9	108.6	30.5	11.5	5.3		1.6			
-40	0.4	1.4	4.7	9.6	18.2	38.7	80.9	120.0	120.0	80.9	38.7	18.2	9.6	4.7	0.4				
-50		1.2	3.9	8.0	13.3	19.6	27.6	32.7	32.7	27.6	19.6	13.3	8.0	3.9		1.2			
-60	0.3	0.9	3.0	6.3	10.4	14.5	18.0	19.7	19.7	18.0	14.5	10.4	6.3	3.0	0.3				
-70		0.6	1.9	4.3	7.3	10.3	13.1	14.6	14.6	13.1	10.3	7.3	4.3	1.9		0.6			
-80	0.1	1.7	7.7	16.4	21.0	16.4	7.7	1.7	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

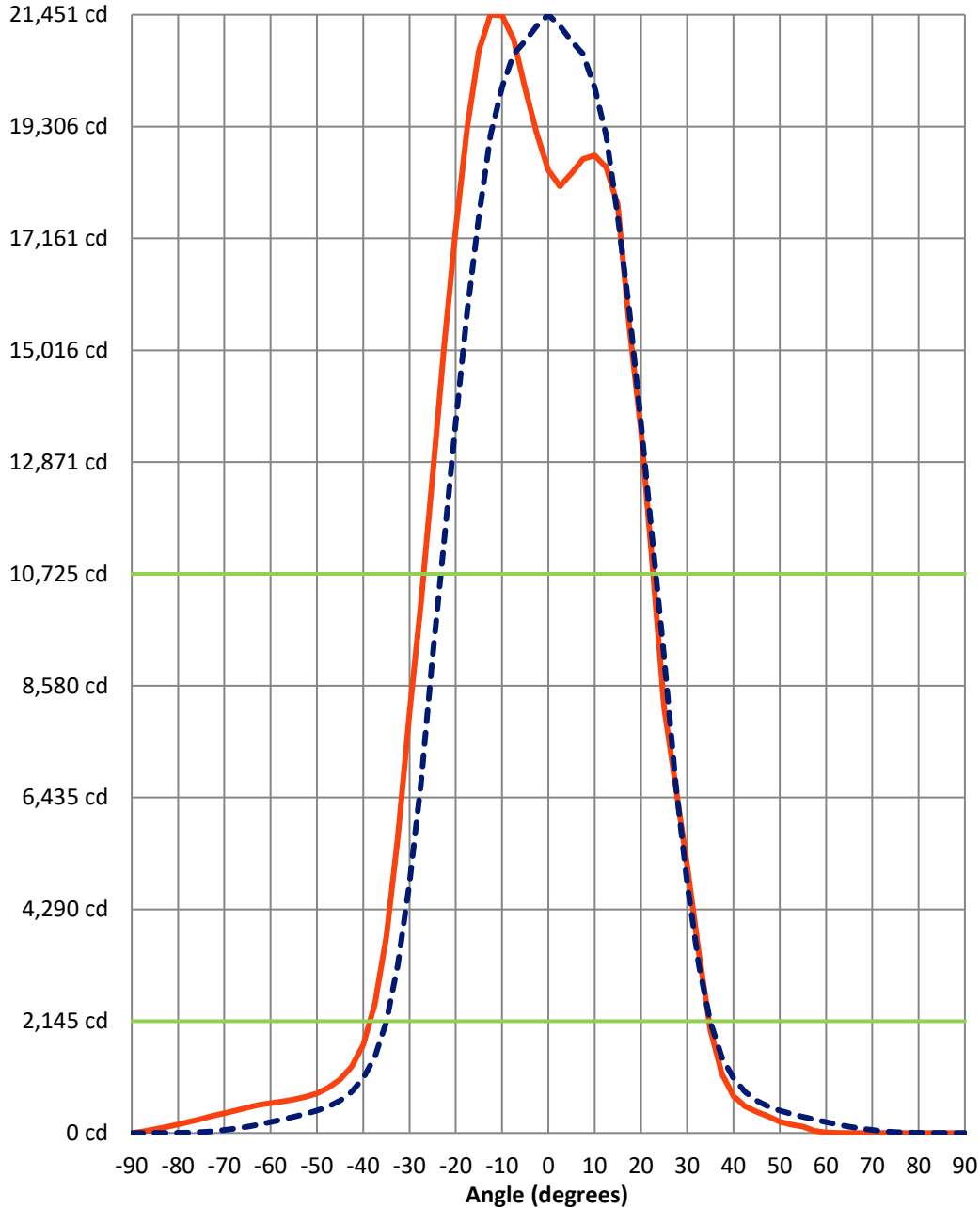
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 10255.5  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 13808.1  
 Efficiency: 90.2%

**Spill:**  
 Lumens: 1503.2  
 Efficiency: 9.8%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -12.5-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	1	0	0	0	0	0
70°	0	0	0	0	1	1	0	0	0	0	0
67.5°	0	0	0	0	1	1	0	0	0	1	0
65°	0	0	0	1	1	1	0	0	1	1	1
62.5°	0	0	0	1	2	1	1	1	2	2	2
60°	0	0	0	1	2	1	1	2	2	3	3
57.5°	0	0	0	2	2	2	1	3	3	3	4
55°	0	0	1	2	2	2	2	3	3	4	4
52.5°	0	0	1	3	2	2	3	4	3	4	4
50°	0	0	1	3	3	2	3	4	4	4	4
47.5°	0	0	1	3	3	3	4	4	4	4	5
45°	0	0	1	3	3	3	4	4	4	4	6
42.5°	0	0	2	3	3	3	4	5	4	5	7
40°	0	0	2	4	3	3	5	5	4	6	8
37.5°	0	0	2	4	3	3	5	5	6	8	10
35°	0	0	2	4	3	4	5	5	7	10	13
32.5°	0	0	2	4	3	4	6	5	8	12	21
30°	0	0	3	4	3	4	6	6	10	15	28
27.5°	0	0	3	4	4	5	6	7	12	19	35
25°	0	0	3	4	4	5	6	8	14	24	41
22.5°	0	0	3	4	4	6	7	9	17	29	48
20°	0	0	3	4	4	6	7	10	20	34	56
17.5°	0	0	3	4	4	6	7	11	23	38	63
15°	0	0	3	4	4	6	8	13	26	42	71
12.5°	0	0	3	4	4	7	8	16	29	45	78
10°	0	0	3	4	4	7	9	18	32	51	86
7.5°	0	0	3	4	4	7	9	21	34	57	91
5°	0	0	3	4	4	7	10	23	36	63	96
2.5°	0	0	3	4	4	7	10	26	37	69	99
0°	0	0	4	4	4	7	11	28	39	74	102
-2.5°	0	0	3	4	4	7	12	29	44	77	107
-5°	0	0	3	4	4	8	14	30	48	80	112
-7.5°	0	0	3	4	4	8	16	31	52	82	116
-10°	0	0	3	4	5	8	17	31	56	84	119
-12.5°	0	0	3	4	5	9	18	32	58	86	121
-15°	0	0	3	4	5	9	19	32	59	87	123
-17.5°	0	1	3	4	5	9	20	33	59	87	122
-20°	0	1	3	4	5	9	20	34	58	87	121

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	3	4	5	9	20	35	57	86	118
-25°	0	1	3	4	5	10	20	36	56	84	113
-27.5°	0	1	3	4	5	10	20	36	54	82	111
-30°	0	1	3	4	5	11	20	35	54	79	108
-32.5°	0	1	3	4	5	11	19	34	53	77	103
-35°	0	1	3	4	6	11	19	33	52	75	98
-37.5°	0	1	3	4	6	12	19	32	49	72	97
-40°	0	1	3	4	6	12	19	31	46	69	95
-42.5°	0	1	3	4	6	12	19	30	44	66	92
-45°	0	1	3	4	6	12	19	28	42	62	88
-47.5°	0	1	3	4	6	11	18	28	40	57	82
-50°	0	1	3	4	6	11	18	26	38	54	76
-52.5°	0	1	3	4	6	11	17	25	37	52	69
-55°	0	1	3	4	6	10	16	24	35	48	65
-57.5°	0	1	3	4	6	10	16	22	33	45	60
-60°	0	1	3	4	6	10	15	21	30	42	55
-62.5°	0	1	3	4	6	9	14	20	28	38	51
-65°	0	1	3	4	6	8	13	18	26	35	46
-67.5°	0	1	2	4	6	8	12	17	23	31	41
-70°	0	1	2	4	6	8	10	15	20	27	35
-72.5°	0	1	2	4	5	7	9	12	17	23	29
-75°	0	0	2	3	5	7	9	11	14	19	24
-77.5°	0	0	1	3	4	6	8	10	12	15	19
-80°	0	0	1	2	4	5	7	9	11	13	15
-82.5°	0	0	1	2	3	4	5	7	9	11	12
-85°	0	0	1	1	2	3	4	5	6	7	9
-87.5°	0	0	0	1	1	1	2	2	3	4	4
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	1	1	1	0	0	0	0	0	0	0
65°	2	2	2	1	0	1	1	1	0	0	0
62.5°	3	3	2	1	2	3	2	1	0	1	1
60°	4	3	2	3	4	3	2	2	3	3	8
57.5°	4	3	3	4	4	4	4	5	13	21	23
55°	4	3	4	5	5	6	9	20	29	36	39
52.5°	4	4	5	7	8	13	24	36	45	52	62
50°	5	6	7	10	16	27	41	54	66	77	91
47.5°	6	7	11	15	29	44	60	76	91	106	126
45°	7	11	15	27	43	63	83	101	116	134	152
42.5°	9	17	26	39	62	85	108	123	139	159	182
40°	15	24	37	57	81	109	129	145	163	191	218
37.5°	22	34	49	75	104	131	151	170	196	228	261
35°	29	43	65	94	127	152	174	198	233	270	309
32.5°	37	52	81	114	145	172	196	232	269	310	364
30°	45	65	97	133	162	190	224	264	301	351	414
27.5°	54	79	113	148	178	207	252	291	333	390	465
25°	63	93	128	162	193	230	279	321	364	436	538
22.5°	74	107	143	175	207	254	307	358	415	487	613
20°	85	120	156	191	221	277	336	400	476	576	741
17.5°	96	131	169	206	245	301	368	443	538	663	905
15°	106	142	182	222	267	327	400	492	607	762	1063
12.5°	115	151	194	237	287	350	428	528	663	887	1266
10°	123	159	205	252	304	370	452	558	710	977	1417
7.5°	129	168	216	266	319	387	473	583	751	1048	1535
5°	135	179	225	276	330	402	490	602	785	1099	1626
2.5°	140	188	233	285	338	413	504	620	818	1142	1702
0°	144	197	239	292	345	422	513	633	844	1171	1762
-2.5°	149	201	248	297	355	428	518	643	852	1175	1750
-5°	153	205	254	301	362	432	519	646	851	1166	1714
-7.5°	157	206	259	305	366	434	520	644	843	1147	1656
-10°	159	209	261	309	368	433	517	636	822	1109	1567
-12.5°	163	211	262	311	367	431	510	622	791	1052	1454
-15°	165	212	261	310	365	426	499	602	749	976	1314
-17.5°	166	212	260	308	362	419	485	578	710	910	1213
-20°	166	212	259	303	358	412	475	560	678	847	1091

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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°	164	210	256	298	351	405	463	538	637	775	972
-25°	161	207	253	296	344	396	448	513	600	722	886
-27.5°	155	203	248	291	335	386	435	494	570	664	795
-30°	147	197	241	285	328	375	422	472	539	621	726
-32.5°	140	191	234	276	319	364	409	455	512	580	663
-35°	134	182	226	266	309	352	395	438	485	545	616
-37.5°	131	174	218	256	296	339	380	421	464	512	576
-40°	127	165	208	247	283	324	364	403	443	491	540
-42.5°	122	158	199	237	272	310	348	385	425	469	515
-45°	117	151	189	225	260	295	332	367	406	448	491
-47.5°	110	142	179	211	245	281	316	351	385	424	465
-50°	102	133	166	197	228	263	298	333	367	400	436
-52.5°	94	121	153	183	211	241	277	313	346	379	411
-55°	85	110	139	169	197	223	254	290	323	355	388
-57.5°	78	99	125	154	181	208	237	267	300	331	363
-60°	71	89	111	138	165	191	219	248	278	308	336
-62.5°	65	80	98	120	146	172	198	225	253	279	304
-65°	59	71	86	104	125	149	174	200	225	248	269
-67.5°	52	63	75	89	106	126	147	170	193	215	236
-70°	45	54	65	76	89	106	124	143	162	181	202
-72.5°	37	46	55	64	76	90	104	119	135	153	170
-75°	30	37	45	53	63	74	86	99	112	125	140
-77.5°	24	30	36	42	50	58	68	78	89	100	110
-80°	18	22	27	33	38	45	51	58	66	75	84
-82.5°	15	17	21	24	28	32	36	41	47	54	60
-85°	11	12	14	16	18	21	23	26	30	34	38
-87.5°	5	6	7	8	9	10	11	12	14	16	18
-90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	1	2	2	2	3	3
60°	9	7	9	11	11	8	12	14	13	11	11
57.5°	25	27	30	36	39	42	45	49	51	53	54
55°	45	54	64	68	76	87	97	98	100	103	108
52.5°	72	83	88	96	111	120	125	133	142	151	158
50°	105	114	125	138	152	162	165	179	197	211	219
47.5°	138	150	169	193	205	216	230	249	268	289	305
45°	169	190	215	236	252	270	290	313	343	372	394
42.5°	203	228	252	277	295	325	360	387	431	469	493
40°	244	268	304	334	371	409	468	523	579	643	689
37.5°	293	330	380	428	483	540	646	755	843	968	1037
35°	352	409	480	552	640	776	931	1141	1359	1540	1715
32.5°	419	493	590	720	867	1086	1319	1705	2081	2457	2827
30°	486	592	742	920	1162	1508	1947	2544	3190	3757	4269
27.5°	575	726	920	1185	1598	2105	2915	3744	4568	5303	5831
25°	682	884	1159	1599	2195	3035	4121	5137	6104	6825	7432
22.5°	838	1141	1530	2090	3172	4341	5640	6919	8005	8913	9511
20°	1030	1439	2091	3106	4379	5840	7512	8857	10194	11216	12129
17.5°	1301	1954	2874	4163	5684	7633	9355	10855	12553	13597	14528
15°	1546	2384	3697	5341	7123	9188	11219	13057	14695	15843	16884
12.5°	1855	2842	4351	6285	8234	10533	12645	14612	16217	17398	18126
10°	2132	3311	5004	7027	9209	11611	13799	15847	17401	18314	18850
7.5°	2356	3701	5533	7662	9965	12383	14695	16727	18214	18978	19344
5°	2529	3990	5948	8182	10575	13049	15408	17397	18650	19282	19486
2.5°	2659	4191	6227	8525	10986	13541	15949	17910	18978	19434	19502
0°	2747	4333	6408	8740	11339	13717	16242	18233	19249	19615	19650
-2.5°	2726	4282	6400	8662	11299	13796	16289	18253	19341	19833	19912
-5°	2671	4161	6188	8440	10977	13478	15856	17930	19265	20007	20336
-7.5°	2564	3953	5825	8017	10457	12960	15384	17537	19073	20117	20761
-10°	2381	3649	5361	7481	9886	12271	14668	16902	18556	19813	20709
-12.5°	2132	3236	4795	6722	9139	11366	13636	15776	17581	19132	20058
-15°	1876	2807	4206	5970	8074	10268	12364	14464	16246	17696	18851
-17.5°	1693	2430	3525	5068	6916	8997	11042	12971	14580	15943	17154
-20°	1461	2009	2876	4173	5800	7619	9579	11296	12732	14010	15167

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REPORT NUMBER: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1277	1720	2347	3232	4693	6298	7900	9481	10831	11969	12957
-25°	1110	1421	1910	2630	3581	4966	6317	7651	8898	9956	10845
-27.5°	978	1226	1552	2064	2786	3594	4778	5893	6965	7932	8771
-30°	859	1044	1299	1620	2110	2711	3423	4257	5112	5875	6637
-32.5°	773	905	1080	1318	1593	2023	2453	3014	3555	4112	4659
-35°	696	802	921	1080	1269	1520	1803	2146	2435	2800	3136
-37.5°	643	718	809	909	1044	1184	1376	1584	1764	1967	2137
-40°	599	658	719	787	880	974	1098	1215	1329	1453	1545
-42.5°	562	609	654	706	761	837	920	993	1062	1135	1195
-45°	533	569	604	645	687	742	800	855	900	940	974
-47.5°	502	534	566	597	633	672	711	746	783	815	838
-50°	472	503	532	559	590	621	651	679	706	729	744
-52.5°	442	474	502	527	553	579	604	630	653	674	683
-55°	420	449	478	500	522	544	566	590	612	632	638
-57.5°	395	425	452	473	493	513	534	555	576	595	601
-60°	366	398	422	441	462	483	503	523	542	558	565
-62.5°	332	360	383	402	420	438	459	480	500	517	527
-65°	292	316	337	357	375	392	412	431	449	464	474
-67.5°	256	275	293	310	328	345	364	382	399	412	420
-70°	221	239	256	272	287	302	318	333	347	358	367
-72.5°	187	202	216	231	245	259	272	285	297	307	315
-75°	154	168	180	192	204	215	225	235	245	253	260
-77.5°	122	132	143	153	163	172	180	188	195	202	208
-80°	93	101	109	116	124	131	137	143	148	154	159
-82.5°	67	72	77	82	87	92	96	100	105	108	112
-85°	42	45	48	51	54	57	59	62	64	67	69
-87.5°	20	21	23	24	25	27	28	29	31	32	33
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	3	3	3	3	3	3	3	3	3	2	2
60°	11	10	11	11	11	10	11	11	11	13	14
57.5°	53	49	46	42	46	49	53	54	53	51	49
55°	115	121	124	123	124	121	115	108	103	100	98
52.5°	163	166	166	162	166	166	163	158	151	142	133
50°	223	223	222	218	222	223	223	219	211	197	179
47.5°	313	318	320	320	320	318	313	305	289	268	249
45°	402	407	409	408	409	407	402	394	372	343	313
42.5°	506	514	516	514	516	514	506	493	469	431	387
40°	717	726	721	711	721	726	717	689	643	579	523
37.5°	1086	1121	1136	1136	1136	1121	1086	1037	968	843	755
35°	1873	1998	2056	1984	2056	1998	1873	1715	1540	1359	1141
32.5°	3128	3350	3475	3475	3475	3350	3128	2827	2457	2081	1705
30°	4657	4935	5091	5124	5091	4935	4657	4269	3757	3190	2544
27.5°	6243	6530	6680	6658	6680	6530	6243	5831	5303	4568	3744
25°	7834	8052	8177	8181	8177	8052	7834	7432	6825	6104	5137
22.5°	10185	10643	10832	10882	10832	10643	10185	9511	8913	8005	6919
20°	12747	13192	13478	13495	13478	13192	12747	12129	11216	10194	8857
17.5°	15189	15409	15450	15468	15450	15409	15189	14528	13597	12553	10855
15°	17490	17568	17771	17797	17771	17568	17490	16884	15843	14695	13057
12.5°	18584	18654	18619	18525	18619	18654	18584	18126	17398	16217	14612
10°	19179	19080	18932	18753	18932	19080	19179	18850	18314	17401	15847
7.5°	19314	19204	18942	18683	18942	19204	19314	19344	18978	18214	16727
5°	19378	19054	18723	18409	18723	19054	19378	19486	19282	18650	17397
2.5°	19340	18954	18501	18162	18501	18954	19340	19502	19434	18978	17910
0°	19464	19073	18598	18472	18598	19073	19464	19650	19615	19249	18233
-2.5°	19807	19491	19243	19175	19243	19491	19807	19912	19833	19341	18253
-5°	20425	20356	19935	20033	19935	20356	20425	20336	20007	19265	17930
-7.5°	21023	20924	20745	20976	20745	20924	21023	20761	20117	19073	17537
-10°	21181	21149	21232	21437	21232	21149	21181	20709	19813	18556	16902
-12.5°	20695	20950	21236	21451	21236	20950	20695	20058	19132	17581	15776
-15°	19610	20131	20559	20762	20559	20131	19610	18851	17696	16246	14464
-17.5°	18011	18651	19158	19302	19158	18651	18011	17154	15943	14580	12971
-20°	16044	16694	17155	17339	17155	16694	16044	15167	14010	12732	11296



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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°	13829	14465	14882	15102	14882	14465	13829	12957	11969	10831	9481
-25°	11582	12141	12511	12609	12511	12141	11582	10845	9956	8898	7651
-27.5°	9433	9882	10155	10186	10155	9882	9433	8771	7932	6965	5893
-30°	7271	7688	7925	8051	7925	7688	7271	6637	5875	5112	4257
-32.5°	5107	5438	5638	5691	5638	5438	5107	4659	4112	3555	3014
-35°	3405	3611	3738	3763	3738	3611	3405	3136	2800	2435	2146
-37.5°	2277	2377	2439	2469	2439	2377	2277	2137	1967	1764	1584
-40°	1613	1660	1686	1692	1686	1660	1613	1545	1453	1329	1215
-42.5°	1234	1258	1270	1273	1270	1258	1234	1195	1135	1062	993
-45°	997	1014	1024	1027	1024	1014	997	974	940	900	855
-47.5°	853	864	870	872	870	864	853	838	815	783	746
-50°	752	758	761	760	761	758	752	744	729	706	679
-52.5°	689	693	694	693	694	693	689	683	674	653	630
-55°	642	645	645	644	645	645	642	638	632	612	590
-57.5°	606	610	609	605	609	610	606	601	595	576	555
-60°	570	575	575	573	575	575	570	565	558	542	523
-62.5°	535	542	543	542	543	542	535	527	517	500	480
-65°	484	492	492	489	492	492	484	474	464	449	431
-67.5°	427	434	434	433	434	434	427	420	412	399	382
-70°	374	381	381	380	381	381	374	367	358	347	333
-72.5°	322	329	330	331	330	329	322	315	307	297	285
-75°	267	273	272	271	272	273	267	260	253	245	235
-77.5°	215	220	220	218	220	220	215	208	202	195	188
-80°	163	168	167	165	167	168	163	159	154	148	143
-82.5°	116	119	118	116	118	119	116	112	108	105	100
-85°	71	74	74	74	74	74	71	69	67	64	62
-87.5°	34	35	33	32	33	35	34	33	32	31	29
-90°	0	0	0	0	0	0	0	0	0	0	0



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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°	0	0	0	0	0	0	0	0	0	0	1
62.5°	2	1	1	1	1	1	1	1	1	0	1
60°	12	8	11	11	9	7	9	8	3	3	2
57.5°	45	42	39	36	30	27	25	23	21	13	5
55°	97	87	76	68	64	54	45	39	36	29	20
52.5°	125	120	111	96	88	83	72	62	52	45	36
50°	165	162	152	138	125	114	105	91	77	66	54
47.5°	230	216	205	193	169	150	138	126	106	91	76
45°	290	270	252	236	215	190	169	152	134	116	101
42.5°	360	325	295	277	252	228	203	182	159	139	123
40°	468	409	371	334	304	268	244	218	191	163	145
37.5°	646	540	483	428	380	330	293	261	228	196	170
35°	931	776	640	552	480	409	352	309	270	233	198
32.5°	1319	1086	867	720	590	493	419	364	310	269	232
30°	1947	1508	1162	920	742	592	486	414	351	301	264
27.5°	2915	2105	1598	1185	920	726	575	465	390	333	291
25°	4121	3035	2195	1599	1159	884	682	538	436	364	321
22.5°	5640	4341	3172	2090	1530	1141	838	613	487	415	358
20°	7512	5840	4379	3106	2091	1439	1030	741	576	476	400
17.5°	9355	7633	5684	4163	2874	1954	1301	905	663	538	443
15°	11219	9188	7123	5341	3697	2384	1546	1063	762	607	492
12.5°	12645	10533	8234	6285	4351	2842	1855	1266	887	663	528
10°	13799	11611	9209	7027	5004	3311	2132	1417	977	710	558
7.5°	14695	12383	9965	7662	5533	3701	2356	1535	1048	751	583
5°	15408	13049	10575	8182	5948	3990	2529	1626	1099	785	602
2.5°	15949	13541	10986	8525	6227	4191	2659	1702	1142	818	620
0°	16242	13717	11339	8740	6408	4333	2747	1762	1171	844	633
-2.5°	16289	13796	11299	8662	6400	4282	2726	1750	1175	852	643
-5°	15856	13478	10977	8440	6188	4161	2671	1714	1166	851	646
-7.5°	15384	12960	10457	8017	5825	3953	2564	1656	1147	843	644
-10°	14668	12271	9886	7481	5361	3649	2381	1567	1109	822	636
-12.5°	13636	11366	9139	6722	4795	3236	2132	1454	1052	791	622
-15°	12364	10268	8074	5970	4206	2807	1876	1314	976	749	602
-17.5°	11042	8997	6916	5068	3525	2430	1693	1213	910	710	578
-20°	9579	7619	5800	4173	2876	2009	1461	1091	847	678	560



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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°	7900	6298	4693	3232	2347	1720	1277	972	775	637	538
-25°	6317	4966	3581	2630	1910	1421	1110	886	722	600	513
-27.5°	4778	3594	2786	2064	1552	1226	978	795	664	570	494
-30°	3423	2711	2110	1620	1299	1044	859	726	621	539	472
-32.5°	2453	2023	1593	1318	1080	905	773	663	580	512	455
-35°	1803	1520	1269	1080	921	802	696	616	545	485	438
-37.5°	1376	1184	1044	909	809	718	643	576	512	464	421
-40°	1098	974	880	787	719	658	599	540	491	443	403
-42.5°	920	837	761	706	654	609	562	515	469	425	385
-45°	800	742	687	645	604	569	533	491	448	406	367
-47.5°	711	672	633	597	566	534	502	465	424	385	351
-50°	651	621	590	559	532	503	472	436	400	367	333
-52.5°	604	579	553	527	502	474	442	411	379	346	313
-55°	566	544	522	500	478	449	420	388	355	323	290
-57.5°	534	513	493	473	452	425	395	363	331	300	267
-60°	503	483	462	441	422	398	366	336	308	278	248
-62.5°	459	438	420	402	383	360	332	304	279	253	225
-65°	412	392	375	357	337	316	292	269	248	225	200
-67.5°	364	345	328	310	293	275	256	236	215	193	170
-70°	318	302	287	272	256	239	221	202	181	162	143
-72.5°	272	259	245	231	216	202	187	170	153	135	119
-75°	225	215	204	192	180	168	154	140	125	112	99
-77.5°	180	172	163	153	143	132	122	110	100	89	78
-80°	137	131	124	116	109	101	93	84	75	66	58
-82.5°	96	92	87	82	77	72	67	60	54	47	41
-85°	59	57	54	51	48	45	42	38	34	30	26
-87.5°	28	27	25	24	23	21	20	18	16	14	12
-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	1	1	1	0	0	1	0	0
65°	1	1	0	1	2	2	2	1	1	1	0
62.5°	2	3	2	1	2	3	3	2	2	2	1
60°	2	3	4	3	2	3	4	3	3	2	2
57.5°	4	4	4	4	3	3	4	4	3	3	3
55°	9	6	5	5	4	3	4	4	4	3	3
52.5°	24	13	8	7	5	4	4	4	4	3	4
50°	41	27	16	10	7	6	5	4	4	4	4
47.5°	60	44	29	15	11	7	6	5	4	4	4
45°	83	63	43	27	15	11	7	6	4	4	4
42.5°	108	85	62	39	26	17	9	7	5	4	5
40°	129	109	81	57	37	24	15	8	6	4	5
37.5°	151	131	104	75	49	34	22	10	8	6	5
35°	174	152	127	94	65	43	29	13	10	7	5
32.5°	196	172	145	114	81	52	37	21	12	8	5
30°	224	190	162	133	97	65	45	28	15	10	6
27.5°	252	207	178	148	113	79	54	35	19	12	7
25°	279	230	193	162	128	93	63	41	24	14	8
22.5°	307	254	207	175	143	107	74	48	29	17	9
20°	336	277	221	191	156	120	85	56	34	20	10
17.5°	368	301	245	206	169	131	96	63	38	23	11
15°	400	327	267	222	182	142	106	71	42	26	13
12.5°	428	350	287	237	194	151	115	78	45	29	16
10°	452	370	304	252	205	159	123	86	51	32	18
7.5°	473	387	319	266	216	168	129	91	57	34	21
5°	490	402	330	276	225	179	135	96	63	36	23
2.5°	504	413	338	285	233	188	140	99	69	37	26
0°	513	422	345	292	239	197	144	102	74	39	28
-2.5°	518	428	355	297	248	201	149	107	77	44	29
-5°	519	432	362	301	254	205	153	112	80	48	30
-7.5°	520	434	366	305	259	206	157	116	82	52	31
-10°	517	433	368	309	261	209	159	119	84	56	31
-12.5°	510	431	367	311	262	211	163	121	86	58	32
-15°	499	426	365	310	261	212	165	123	87	59	32
-17.5°	485	419	362	308	260	212	166	122	87	59	33
-20°	475	412	358	303	259	212	166	121	87	58	34

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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°	463	405	351	298	256	210	164	118	86	57	35
-25°	448	396	344	296	253	207	161	113	84	56	36
-27.5°	435	386	335	291	248	203	155	111	82	54	36
-30°	422	375	328	285	241	197	147	108	79	54	35
-32.5°	409	364	319	276	234	191	140	103	77	53	34
-35°	395	352	309	266	226	182	134	98	75	52	33
-37.5°	380	339	296	256	218	174	131	97	72	49	32
-40°	364	324	283	247	208	165	127	95	69	46	31
-42.5°	348	310	272	237	199	158	122	92	66	44	30
-45°	332	295	260	225	189	151	117	88	62	42	28
-47.5°	316	281	245	211	179	142	110	82	57	40	28
-50°	298	263	228	197	166	133	102	76	54	38	26
-52.5°	277	241	211	183	153	121	94	69	52	37	25
-55°	254	223	197	169	139	110	85	65	48	35	24
-57.5°	237	208	181	154	125	99	78	60	45	33	22
-60°	219	191	165	138	111	89	71	55	42	30	21
-62.5°	198	172	146	120	98	80	65	51	38	28	20
-65°	174	149	125	104	86	71	59	46	35	26	18
-67.5°	147	126	106	89	75	63	52	41	31	23	17
-70°	124	106	89	76	65	54	45	35	27	20	15
-72.5°	104	90	76	64	55	46	37	29	23	17	12
-75°	86	74	63	53	45	37	30	24	19	14	11
-77.5°	68	58	50	42	36	30	24	19	15	12	10
-80°	51	45	38	33	27	22	18	15	13	11	9
-82.5°	36	32	28	24	21	17	15	12	11	9	7
-85°	23	21	18	16	14	12	11	9	7	6	5
-87.5°	11	10	9	8	7	6	5	4	4	3	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: P627316 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	1	0	0	0	0	0
70°	0	1	1	0	0	0	0
67.5°	0	1	1	0	0	0	0
65°	0	1	1	1	0	0	0
62.5°	1	1	2	1	0	0	0
60°	1	1	2	1	0	0	0
57.5°	1	2	2	2	0	0	0
55°	2	2	2	2	1	0	0
52.5°	3	2	2	3	1	0	0
50°	3	2	3	3	1	0	0
47.5°	4	3	3	3	1	0	0
45°	4	3	3	3	1	0	0
42.5°	4	3	3	3	2	0	0
40°	5	3	3	4	2	0	0
37.5°	5	3	3	4	2	0	0
35°	5	4	3	4	2	0	0
32.5°	6	4	3	4	2	0	0
30°	6	4	3	4	3	0	0
27.5°	6	5	4	4	3	0	0
25°	6	5	4	4	3	0	0
22.5°	7	6	4	4	3	0	0
20°	7	6	4	4	3	0	0
17.5°	7	6	4	4	3	0	0
15°	8	6	4	4	3	0	0
12.5°	8	7	4	4	3	0	0
10°	9	7	4	4	3	0	0
7.5°	9	7	4	4	3	0	0
5°	10	7	4	4	3	0	0
2.5°	10	7	4	4	3	0	0
0°	11	7	4	4	4	0	0
-2.5°	12	7	4	4	3	0	0
-5°	14	8	4	4	3	0	0
-7.5°	16	8	4	4	3	0	0
-10°	17	8	5	4	3	0	0
-12.5°	18	9	5	4	3	0	0
-15°	19	9	5	4	3	0	0
-17.5°	20	9	5	4	3	1	0
-20°	20	9	5	4	3	1	0

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CATALOG NUMBER: GFLD-SA4B-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20	9	5	4	3	1	0
-25°	20	10	5	4	3	1	0
-27.5°	20	10	5	4	3	1	0
-30°	20	11	5	4	3	1	0
-32.5°	19	11	5	4	3	1	0
-35°	19	11	6	4	3	1	0
-37.5°	19	12	6	4	3	1	0
-40°	19	12	6	4	3	1	0
-42.5°	19	12	6	4	3	1	0
-45°	19	12	6	4	3	1	0
-47.5°	18	11	6	4	3	1	0
-50°	18	11	6	4	3	1	0
-52.5°	17	11	6	4	3	1	0
-55°	16	10	6	4	3	1	0
-57.5°	16	10	6	4	3	1	0
-60°	15	10	6	4	3	1	0
-62.5°	14	9	6	4	3	1	0
-65°	13	8	6	4	3	1	0
-67.5°	12	8	6	4	2	1	0
-70°	10	8	6	4	2	1	0
-72.5°	9	7	5	4	2	1	0
-75°	9	7	5	3	2	0	0
-77.5°	8	6	4	3	1	0	0
-80°	7	5	4	2	1	0	0
-82.5°	5	4	3	2	1	0	0
-85°	4	3	2	1	1	0	0
-87.5°	2	1	1	1	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)