

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: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-722-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627306 (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: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-722-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13485.9 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 18893.5 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 9032.8 lumens  
Beam Efficiency: 67.0%

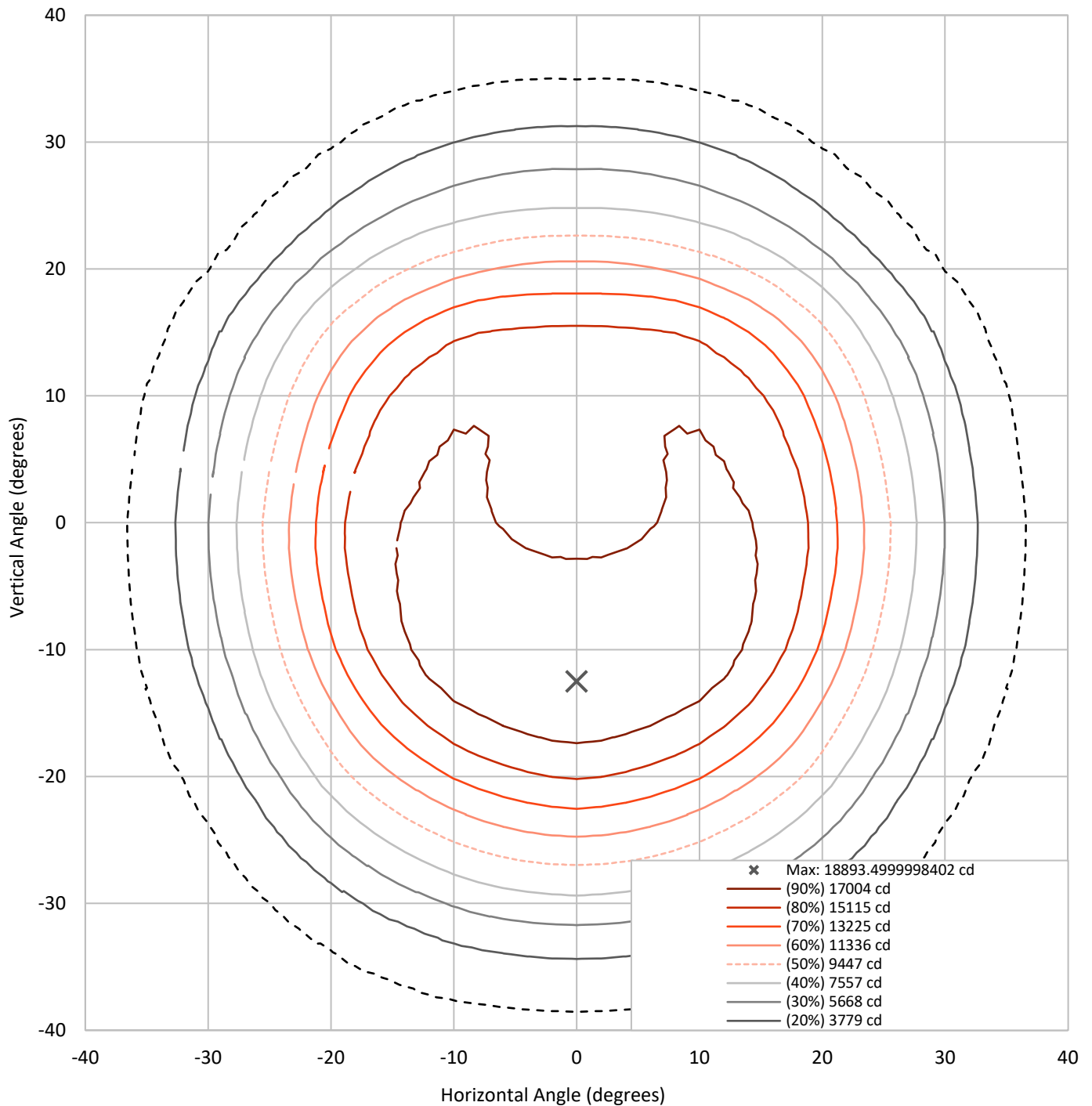
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 12161.9 lumens  
Field Efficiency: 90.2%

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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### Iso-Candela Plot





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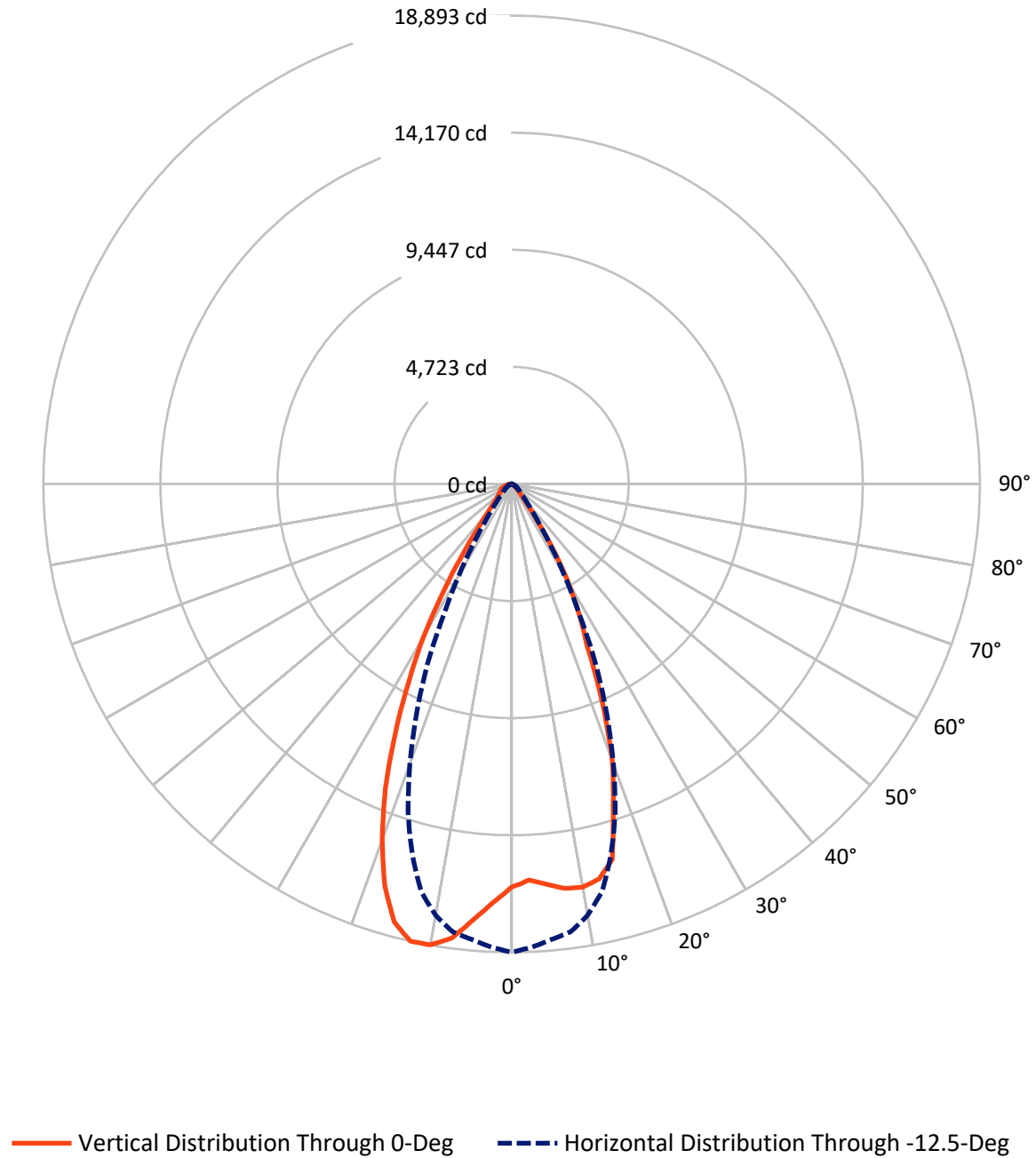
CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

### 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				
70																			
60	0.0	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				
50		0.0	0.1	0.4	1.1	1.9	2.6	3.0	3.0	2.6	1.9	1.1	0.4	0.1		0.0			
40	0.1	0.1	0.5	1.9	3.8	6.2	9.2	11.3	11.3	9.2	6.2	3.8	1.9	0.5	0.1				
30		0.2	1.5	3.9	8.1	17.5	39.8	60.8	60.8	39.8	17.5	8.1	3.9	1.5		0.2			
20	0.1	0.5	2.5	6.3	16.9	62.7	161.4	225.6	225.6	161.4	62.7	16.9	6.3	2.5	0.1				
10		0.9	3.5	9.7	40.3	174.1	363.2	449.7	449.7	363.2	174.1	40.3	9.7	3.5		0.9			
0	0.3	1.2	4.4	12.6	64.1	256.4	468.3	507.7	507.7	468.3	256.4	64.1	12.6	4.4	0.3				
-10		1.4	4.8	13.4	67.1	264.8	485.1	538.8	538.8	485.1	264.8	67.1	13.4	4.8		1.4			
-20	0.4	1.5	4.9	12.2	48.0	197.1	409.3	522.6	522.6	409.3	197.1	48.0	12.2	4.9	0.4				
-30		1.4	4.6	10.2	26.8	95.6	228.0	320.9	320.9	228.0	95.6	26.8	10.2	4.6		1.4			
-40	0.3	1.2	4.1	8.4	16.0	34.1	71.3	105.7	105.7	71.3	34.1	16.0	8.4	4.1	0.3				
-50		1.1	3.5	7.0	11.7	17.3	24.3	28.8	28.8	24.3	17.3	11.7	7.0	3.5		1.1			
-60	0.3	0.8	2.6	5.5	9.2	12.7	15.9	17.4	17.4	15.9	12.7	9.2	5.5	2.6	0.3				
-70		0.5	1.7	3.8	6.5	9.1	11.5	12.9	12.9	11.5	9.1	6.5	3.8	1.7		0.5			
-80	0.1	1.5		6.8		14.5		18.5		14.5		6.8		1.5	0.1				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

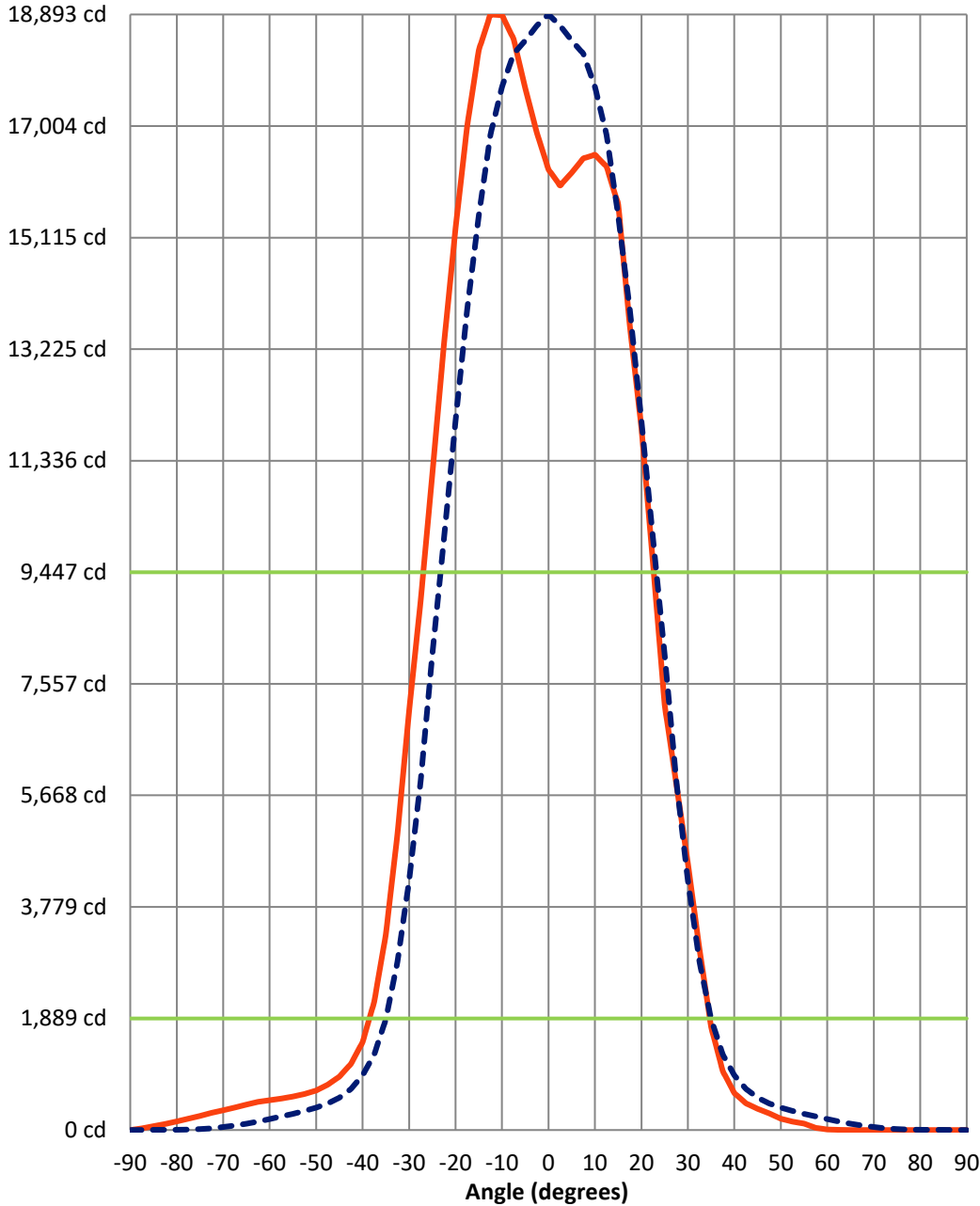
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 9032.8  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 12161.9  
 Efficiency: 90.2%

**Spill:**  
 Lumens: 1324  
 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	0	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	0	0
65°	0	0	0	1	1	1	0	0	1	1	1
62.5°	0	0	0	1	2	1	1	1	1	2	2
60°	0	0	0	1	2	1	1	1	2	2	3
57.5°	0	0	0	2	2	1	1	2	3	3	3
55°	0	0	0	2	2	1	2	3	3	3	3
52.5°	0	0	1	2	2	2	2	3	3	3	3
50°	0	0	1	3	2	2	3	3	3	3	4
47.5°	0	0	1	3	2	2	3	4	3	3	4
45°	0	0	1	3	2	3	3	4	3	4	5
42.5°	0	0	1	3	3	3	4	4	3	5	6
40°	0	0	2	3	3	3	4	4	4	6	7
37.5°	0	0	2	3	3	3	4	4	5	7	9
35°	0	0	2	3	3	3	5	5	6	9	12
32.5°	0	0	2	3	3	4	5	5	7	11	18
30°	0	0	2	3	3	4	5	5	9	14	25
27.5°	0	0	2	3	3	4	6	6	10	17	31
25°	0	0	3	3	3	5	6	7	13	21	36
22.5°	0	0	3	3	3	5	6	8	15	26	42
20°	0	0	3	3	3	5	6	9	18	30	49
17.5°	0	0	3	3	3	5	6	10	20	33	56
15°	0	0	3	3	3	6	7	12	23	37	62
12.5°	0	0	3	3	3	6	7	14	26	40	69
10°	0	0	3	3	3	6	8	16	28	45	75
7.5°	0	0	3	3	3	6	8	18	30	50	80
5°	0	0	3	3	3	6	8	21	31	55	84
2.5°	0	0	3	3	3	6	9	23	33	60	87
0°	0	0	3	3	3	6	9	25	34	65	90
-2.5°	0	0	3	3	3	7	11	26	39	68	95
-5°	0	0	3	3	4	7	12	26	43	70	99
-7.5°	0	0	3	3	4	7	14	27	46	73	102
-10°	0	0	3	3	4	7	15	27	49	74	105
-12.5°	0	0	3	3	4	8	16	28	51	76	107
-15°	0	0	3	3	4	8	17	28	52	77	108
-17.5°	0	0	3	3	5	8	17	29	52	77	108
-20°	0	0	3	3	5	8	18	30	51	77	107

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CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	3	3	5	8	18	31	50	76	104
-25°	0	1	3	3	5	8	18	31	49	74	100
-27.5°	0	1	3	3	5	9	18	31	48	72	98
-30°	0	1	3	3	5	10	17	31	47	70	95
-32.5°	0	1	3	3	5	10	17	30	47	68	91
-35°	0	1	3	3	5	10	17	29	45	66	86
-37.5°	0	1	3	3	5	10	17	28	43	64	85
-40°	0	1	3	3	5	10	17	27	41	61	84
-42.5°	0	1	3	3	5	10	17	26	39	58	81
-45°	0	1	3	3	5	10	17	25	37	54	77
-47.5°	0	1	3	3	6	10	16	24	35	50	72
-50°	0	1	3	4	6	10	16	23	34	48	67
-52.5°	0	1	3	4	6	9	15	22	32	45	61
-55°	0	1	3	4	6	9	14	21	31	42	57
-57.5°	0	1	3	4	6	9	14	20	29	40	53
-60°	0	1	3	4	5	9	13	19	27	37	49
-62.5°	0	1	3	4	5	8	12	18	25	34	45
-65°	0	1	2	4	5	7	11	16	23	31	41
-67.5°	0	1	2	4	5	7	10	15	20	27	36
-70°	0	0	2	4	5	7	9	13	18	23	31
-72.5°	0	0	2	3	5	6	8	11	15	20	26
-75°	0	0	2	3	5	6	8	10	12	16	21
-77.5°	0	0	1	2	4	6	7	9	11	13	16
-80°	0	0	1	2	3	5	6	8	9	11	13
-82.5°	0	0	1	2	2	3	5	6	8	9	11
-85°	0	0	1	1	2	2	3	4	5	6	8
-87.5°	0	0	0	1	1	1	2	2	3	3	4
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: GFLD-SA4B-722-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	2	2	1	2	2	2	1	0	1	1
60°	3	3	2	2	3	3	2	2	3	3	7
57.5°	3	3	3	3	4	3	4	4	11	19	21
55°	3	3	4	4	5	5	8	17	26	32	35
52.5°	4	3	5	6	7	12	21	32	40	46	55
50°	4	5	6	9	14	24	36	47	58	68	80
47.5°	5	6	9	14	25	39	53	67	80	94	111
45°	7	10	13	24	38	55	73	89	102	118	134
42.5°	8	15	23	34	54	75	95	108	123	140	160
40°	13	21	33	50	72	96	114	128	143	168	192
37.5°	19	30	43	66	92	116	133	150	173	201	230
35°	26	38	58	83	112	134	153	175	205	238	272
32.5°	33	46	72	100	128	151	173	205	237	273	320
30°	40	58	86	117	142	167	197	233	265	309	364
27.5°	47	70	100	130	157	182	222	256	293	343	410
25°	55	82	113	143	170	202	246	283	320	384	474
22.5°	65	94	126	154	182	224	270	316	365	429	540
20°	75	105	138	168	195	244	296	352	419	508	653
17.5°	84	116	149	182	216	266	324	390	474	584	797
15°	93	125	160	195	235	288	352	433	534	671	936
12.5°	101	133	171	209	252	308	377	465	584	781	1115
10°	108	140	181	222	268	326	398	492	625	861	1248
7.5°	114	148	190	234	281	341	417	513	661	923	1352
5°	119	157	198	243	291	354	432	530	691	968	1432
2.5°	123	166	205	251	298	364	444	546	721	1006	1499
0°	127	173	211	257	304	372	452	558	743	1032	1552
-2.5°	131	177	218	262	312	377	456	566	751	1035	1541
-5°	135	180	224	265	319	380	457	569	750	1027	1510
-7.5°	138	182	228	268	323	382	458	567	742	1010	1458
-10°	140	184	230	272	324	382	456	560	724	977	1381
-12.5°	143	186	230	274	323	379	450	548	697	927	1281
-15°	145	187	230	273	322	375	440	530	660	860	1157
-17.5°	146	187	229	271	319	369	427	509	626	802	1068
-20°	146	186	228	266	316	363	418	493	597	746	961

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CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	144	185	226	263	310	356	408	473	561	683	856
-25°	142	183	223	260	303	349	395	452	528	636	781
-27.5°	137	179	218	256	295	340	383	435	502	585	700
-30°	130	174	213	251	289	330	372	416	474	547	640
-32.5°	123	168	206	243	281	321	360	401	451	511	584
-35°	118	161	199	234	272	310	348	386	427	480	543
-37.5°	116	153	192	225	261	298	334	371	409	451	507
-40°	112	145	184	217	249	286	321	355	390	432	475
-42.5°	107	140	175	209	240	273	306	339	375	413	454
-45°	103	133	167	198	229	260	293	324	358	394	432
-47.5°	97	125	158	186	216	247	278	309	339	373	410
-50°	90	117	146	173	200	231	262	293	323	352	384
-52.5°	83	107	135	161	186	212	244	275	305	334	362
-55°	75	97	122	149	173	196	224	255	285	313	342
-57.5°	68	87	110	135	160	183	209	236	265	292	320
-60°	63	78	98	121	145	169	193	218	244	271	296
-62.5°	57	71	87	106	128	152	175	198	223	245	268
-65°	52	63	76	92	110	131	153	176	198	218	237
-67.5°	46	55	66	78	94	111	129	150	170	190	208
-70°	39	48	57	67	79	93	110	126	143	160	178
-72.5°	33	40	48	56	67	79	92	105	119	134	149
-75°	27	33	40	47	55	65	76	87	99	110	123
-77.5°	21	26	32	37	44	51	60	69	78	88	97
-80°	16	20	24	29	34	39	45	51	58	66	74
-82.5°	13	15	18	21	24	28	32	36	42	47	53
-85°	9	11	12	14	16	18	21	23	26	30	34
-87.5°	5	5	6	7	8	9	10	11	13	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	0	0	0	0	0	0
62.5°	1	1	1	1	1	1	2	2	2	2	3
60°	8	6	8	10	10	7	11	13	12	9	10
57.5°	22	23	27	31	35	37	40	43	45	47	48
55°	40	48	56	60	67	77	86	86	88	90	95
52.5°	64	73	77	85	98	106	110	117	125	133	139
50°	93	100	110	121	134	142	145	158	173	186	193
47.5°	122	132	149	170	181	190	203	219	236	254	269
45°	149	167	189	208	222	238	255	275	302	328	347
42.5°	179	201	222	244	260	286	317	341	379	413	434
40°	215	236	267	294	326	360	412	461	510	566	607
37.5°	258	291	335	377	426	475	569	665	743	853	913
35°	310	360	423	486	564	683	820	1005	1197	1357	1511
32.5°	370	434	520	634	764	956	1161	1502	1833	2164	2490
30°	428	522	653	810	1024	1328	1715	2240	2810	3309	3760
27.5°	506	639	810	1044	1408	1854	2568	3298	4023	4671	5136
25°	601	779	1021	1408	1933	2673	3630	4525	5376	6011	6546
22.5°	738	1005	1348	1841	2794	3823	4968	6094	7050	7850	8377
20°	907	1268	1842	2736	3857	5143	6617	7801	8979	9879	10683
17.5°	1146	1721	2532	3667	5006	6723	8240	9561	11056	11976	12796
15°	1362	2100	3256	4704	6274	8093	9882	11500	12943	13954	14871
12.5°	1634	2503	3832	5535	7252	9277	11137	12870	14283	15324	15965
10°	1878	2916	4407	6189	8111	10227	12154	13957	15327	16131	16603
7.5°	2075	3260	4874	6748	8777	10907	12943	14733	16043	16716	17038
5°	2227	3515	5239	7207	9314	11493	13571	15323	16426	16983	17163
2.5°	2342	3692	5484	7508	9677	11926	14048	15774	16716	17117	17177
0°	2419	3816	5644	7698	9987	12081	14306	16059	16954	17276	17307
-2.5°	2401	3771	5637	7629	9952	12151	14347	16077	17035	17468	17539
-5°	2352	3665	5450	7434	9669	11871	13966	15793	16968	17622	17912
-7.5°	2258	3482	5131	7061	9210	11415	13550	15446	16799	17719	18286
-10°	2097	3214	4722	6589	8707	10808	12919	14887	16344	17451	18240
-12.5°	1878	2850	4223	5921	8050	10011	12010	13895	15485	16851	17666
-15°	1652	2472	3705	5258	7112	9043	10890	12740	14310	15587	16604
-17.5°	1491	2141	3105	4464	6091	7924	9726	11425	12842	14042	15109
-20°	1287	1769	2533	3676	5109	6711	8437	9949	11214	12340	13359

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REPORT NUMBER: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	1125	1515	2067	2847	4134	5547	6959	8351	9540	10542	11412
-25°	977	1251	1683	2317	3154	4374	5563	6739	7837	8769	9552
-27.5°	861	1080	1367	1818	2454	3166	4208	5191	6135	6987	7725
-30°	756	920	1144	1427	1859	2388	3015	3749	4502	5175	5846
-32.5°	681	797	951	1161	1403	1782	2161	2655	3132	3622	4104
-35°	613	706	811	952	1118	1339	1588	1890	2145	2466	2762
-37.5°	566	632	712	801	920	1043	1212	1395	1553	1732	1883
-40°	528	579	634	693	775	858	967	1070	1171	1280	1361
-42.5°	495	537	576	622	670	737	810	875	936	1000	1053
-45°	470	501	532	568	605	653	705	753	793	828	857
-47.5°	442	470	498	526	557	592	626	657	690	718	738
-50°	415	443	468	492	519	547	574	598	622	642	655
-52.5°	389	418	443	465	488	510	532	555	575	593	602
-55°	369	396	421	441	460	479	499	520	539	557	562
-57.5°	347	374	398	417	434	452	470	489	508	524	530
-60°	322	350	372	389	407	426	443	460	477	492	498
-62.5°	292	317	337	354	370	386	405	423	441	455	464
-65°	257	278	297	314	330	345	363	380	396	409	418
-67.5°	226	242	258	273	289	304	320	336	351	363	370
-70°	195	210	225	239	253	266	280	293	306	316	323
-72.5°	164	178	191	203	216	228	239	251	262	270	277
-75°	136	148	158	169	180	189	198	207	215	223	229
-77.5°	107	117	126	135	144	152	158	165	172	178	184
-80°	82	89	96	102	109	115	120	126	130	135	140
-82.5°	59	63	68	72	77	81	85	88	92	96	99
-85°	37	40	42	45	47	50	52	55	57	59	61
-87.5°	18	19	20	21	22	24	25	26	27	28	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-722-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	2	2	2
60°	10	9	9	9	9	9	10	10	9	12	13
57.5°	47	43	40	37	40	43	47	48	47	45	43
55°	101	107	109	108	109	107	101	95	90	88	86
52.5°	144	147	146	143	146	147	144	139	133	125	117
50°	197	197	195	192	195	197	197	193	186	173	158
47.5°	276	280	282	282	282	280	276	269	254	236	219
45°	354	358	360	359	360	358	354	347	328	302	275
42.5°	446	452	455	452	455	452	446	434	413	379	341
40°	631	639	635	626	635	639	631	607	566	510	461
37.5°	956	987	1000	1001	1000	987	956	913	853	743	665
35°	1649	1760	1811	1747	1811	1760	1649	1511	1357	1197	1005
32.5°	2755	2950	3061	3061	3061	2950	2755	2490	2164	1833	1502
30°	4102	4347	4484	4514	4484	4347	4102	3760	3309	2810	2240
27.5°	5499	5752	5883	5864	5883	5752	5499	5136	4671	4023	3298
25°	6900	7092	7202	7206	7202	7092	6900	6546	6011	5376	4525
22.5°	8971	9374	9540	9585	9540	9374	8971	8377	7850	7050	6094
20°	11228	11619	11871	11886	11871	11619	11228	10683	9879	8979	7801
17.5°	13378	13572	13608	13624	13608	13572	13378	12796	11976	11056	9561
15°	15405	15473	15652	15675	15652	15473	15405	14871	13954	12943	11500
12.5°	16368	16430	16399	16316	16399	16430	16368	15965	15324	14283	12870
10°	16893	16805	16674	16518	16674	16805	16893	16603	16131	15327	13957
7.5°	17012	16914	16684	16456	16684	16914	17012	17038	16716	16043	14733
5°	17068	16782	16491	16214	16491	16782	17068	17163	16983	16426	15323
2.5°	17035	16694	16295	15997	16295	16694	17035	17177	17117	16716	15774
0°	17143	16799	16381	16270	16381	16799	17143	17307	17276	16954	16059
-2.5°	17446	17167	16949	16889	16949	17167	17446	17539	17468	17035	16077
-5°	17990	17929	17558	17645	17558	17929	17990	17912	17622	16968	15793
-7.5°	18516	18429	18272	18475	18272	18429	18516	18286	17719	16799	15446
-10°	18656	18628	18701	18881	18701	18628	18656	18240	17451	16344	14887
-12.5°	18227	18452	18704	18893	18704	18452	18227	17666	16851	15485	13895
-15°	17272	17731	18108	18286	18108	17731	17272	16604	15587	14310	12740
-17.5°	15864	16427	16874	17001	16874	16427	15864	15109	14042	12842	11425
-20°	14131	14704	15110	15272	15110	14704	14131	13359	12340	11214	9949



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CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12181	12740	13108	13302	13108	12740	12181	11412	10542	9540	8351
-25°	10201	10693	11020	11106	11020	10693	10201	9552	8769	7837	6739
-27.5°	8309	8704	8945	8971	8945	8704	8309	7725	6987	6135	5191
-30°	6404	6772	6980	7091	6980	6772	6404	5846	5175	4502	3749
-32.5°	4498	4789	4966	5012	4966	4789	4498	4104	3622	3132	2655
-35°	2999	3180	3292	3315	3292	3180	2999	2762	2466	2145	1890
-37.5°	2005	2094	2148	2175	2148	2094	2005	1883	1732	1553	1395
-40°	1421	1462	1485	1490	1485	1462	1421	1361	1280	1171	1070
-42.5°	1087	1108	1118	1121	1118	1108	1087	1053	1000	936	875
-45°	878	893	902	905	902	893	878	857	828	793	753
-47.5°	751	761	766	768	766	761	751	738	718	690	657
-50°	663	668	670	669	670	668	663	655	642	622	598
-52.5°	607	610	612	610	612	610	607	602	593	575	555
-55°	566	568	568	567	568	568	566	562	557	539	520
-57.5°	534	537	536	533	536	537	534	530	524	508	489
-60°	502	506	506	505	506	506	502	498	492	477	460
-62.5°	471	477	478	477	478	477	471	464	455	441	423
-65°	426	434	433	431	433	434	426	418	409	396	380
-67.5°	376	382	382	381	382	382	376	370	363	351	336
-70°	330	336	336	335	336	336	330	323	316	306	293
-72.5°	284	289	291	291	291	289	284	277	270	262	251
-75°	235	240	240	239	240	240	235	229	223	215	207
-77.5°	189	194	193	192	193	194	189	184	178	172	165
-80°	144	148	147	146	147	148	144	140	135	130	126
-82.5°	102	105	104	102	104	105	102	99	96	92	88
-85°	63	65	65	65	65	65	63	61	59	57	55
-87.5°	30	31	29	28	29	31	30	29	28	27	26
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-722-U-MWR-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°	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°	11	7	10	10	8	6	8	7	3	3	2
57.5°	40	37	35	31	27	23	22	21	19	11	4
55°	86	77	67	60	56	48	40	35	32	26	17
52.5°	110	106	98	85	77	73	64	55	46	40	32
50°	145	142	134	121	110	100	93	80	68	58	47
47.5°	203	190	181	170	149	132	122	111	94	80	67
45°	255	238	222	208	189	167	149	134	118	102	89
42.5°	317	286	260	244	222	201	179	160	140	123	108
40°	412	360	326	294	267	236	215	192	168	143	128
37.5°	569	475	426	377	335	291	258	230	201	173	150
35°	820	683	564	486	423	360	310	272	238	205	175
32.5°	1161	956	764	634	520	434	370	320	273	237	205
30°	1715	1328	1024	810	653	522	428	364	309	265	233
27.5°	2568	1854	1408	1044	810	639	506	410	343	293	256
25°	3630	2673	1933	1408	1021	779	601	474	384	320	283
22.5°	4968	3823	2794	1841	1348	1005	738	540	429	365	316
20°	6617	5143	3857	2736	1842	1268	907	653	508	419	352
17.5°	8240	6723	5006	3667	2532	1721	1146	797	584	474	390
15°	9882	8093	6274	4704	3256	2100	1362	936	671	534	433
12.5°	11137	9277	7252	5535	3832	2503	1634	1115	781	584	465
10°	12154	10227	8111	6189	4407	2916	1878	1248	861	625	492
7.5°	12943	10907	8777	6748	4874	3260	2075	1352	923	661	513
5°	13571	11493	9314	7207	5239	3515	2227	1432	968	691	530
2.5°	14048	11926	9677	7508	5484	3692	2342	1499	1006	721	546
0°	14306	12081	9987	7698	5644	3816	2419	1552	1032	743	558
-2.5°	14347	12151	9952	7629	5637	3771	2401	1541	1035	751	566
-5°	13966	11871	9669	7434	5450	3665	2352	1510	1027	750	569
-7.5°	13550	11415	9210	7061	5131	3482	2258	1458	1010	742	567
-10°	12919	10808	8707	6589	4722	3214	2097	1381	977	724	560
-12.5°	12010	10011	8050	5921	4223	2850	1878	1281	927	697	548
-15°	10890	9043	7112	5258	3705	2472	1652	1157	860	660	530
-17.5°	9726	7924	6091	4464	3105	2141	1491	1068	802	626	509
-20°	8437	6711	5109	3676	2533	1769	1287	961	746	597	493

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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°	6959	5547	4134	2847	2067	1515	1125	856	683	561	473
-25°	5563	4374	3154	2317	1683	1251	977	781	636	528	452
-27.5°	4208	3166	2454	1818	1367	1080	861	700	585	502	435
-30°	3015	2388	1859	1427	1144	920	756	640	547	474	416
-32.5°	2161	1782	1403	1161	951	797	681	584	511	451	401
-35°	1588	1339	1118	952	811	706	613	543	480	427	386
-37.5°	1212	1043	920	801	712	632	566	507	451	409	371
-40°	967	858	775	693	634	579	528	475	432	390	355
-42.5°	810	737	670	622	576	537	495	454	413	375	339
-45°	705	653	605	568	532	501	470	432	394	358	324
-47.5°	626	592	557	526	498	470	442	410	373	339	309
-50°	574	547	519	492	468	443	415	384	352	323	293
-52.5°	532	510	488	465	443	418	389	362	334	305	275
-55°	499	479	460	441	421	396	369	342	313	285	255
-57.5°	470	452	434	417	398	374	347	320	292	265	236
-60°	443	426	407	389	372	350	322	296	271	244	218
-62.5°	405	386	370	354	337	317	292	268	245	223	198
-65°	363	345	330	314	297	278	257	237	218	198	176
-67.5°	320	304	289	273	258	242	226	208	190	170	150
-70°	280	266	253	239	225	210	195	178	160	143	126
-72.5°	239	228	216	203	191	178	164	149	134	119	105
-75°	198	189	180	169	158	148	136	123	110	99	87
-77.5°	158	152	144	135	126	117	107	97	88	78	69
-80°	120	115	109	102	96	89	82	74	66	58	51
-82.5°	85	81	77	72	68	63	59	53	47	42	36
-85°	52	50	47	45	42	40	37	34	30	26	23
-87.5°	25	24	22	21	20	19	18	16	14	13	11
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	1	1	1	0	0	0	0	0
65°	1	1	0	1	2	2	2	1	1	1	0
62.5°	2	2	2	1	2	2	3	2	2	1	1
60°	2	3	3	2	2	3	3	3	2	2	1
57.5°	4	3	4	3	3	3	3	3	3	3	2
55°	8	5	5	4	4	3	3	3	3	3	3
52.5°	21	12	7	6	5	3	4	3	3	3	3
50°	36	24	14	9	6	5	4	4	3	3	3
47.5°	53	39	25	14	9	6	5	4	3	3	4
45°	73	55	38	24	13	10	7	5	4	3	4
42.5°	95	75	54	34	23	15	8	6	5	3	4
40°	114	96	72	50	33	21	13	7	6	4	4
37.5°	133	116	92	66	43	30	19	9	7	5	4
35°	153	134	112	83	58	38	26	12	9	6	5
32.5°	173	151	128	100	72	46	33	18	11	7	5
30°	197	167	142	117	86	58	40	25	14	9	5
27.5°	222	182	157	130	100	70	47	31	17	10	6
25°	246	202	170	143	113	82	55	36	21	13	7
22.5°	270	224	182	154	126	94	65	42	26	15	8
20°	296	244	195	168	138	105	75	49	30	18	9
17.5°	324	266	216	182	149	116	84	56	33	20	10
15°	352	288	235	195	160	125	93	62	37	23	12
12.5°	377	308	252	209	171	133	101	69	40	26	14
10°	398	326	268	222	181	140	108	75	45	28	16
7.5°	417	341	281	234	190	148	114	80	50	30	18
5°	432	354	291	243	198	157	119	84	55	31	21
2.5°	444	364	298	251	205	166	123	87	60	33	23
0°	452	372	304	257	211	173	127	90	65	34	25
-2.5°	456	377	312	262	218	177	131	95	68	39	26
-5°	457	380	319	265	224	180	135	99	70	43	26
-7.5°	458	382	323	268	228	182	138	102	73	46	27
-10°	456	382	324	272	230	184	140	105	74	49	27
-12.5°	450	379	323	274	230	186	143	107	76	51	28
-15°	440	375	322	273	230	187	145	108	77	52	28
-17.5°	427	369	319	271	229	187	146	108	77	52	29
-20°	418	363	316	266	228	186	146	107	77	51	30

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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°	408	356	310	263	226	185	144	104	76	50	31
-25°	395	349	303	260	223	183	142	100	74	49	31
-27.5°	383	340	295	256	218	179	137	98	72	48	31
-30°	372	330	289	251	213	174	130	95	70	47	31
-32.5°	360	321	281	243	206	168	123	91	68	47	30
-35°	348	310	272	234	199	161	118	86	66	45	29
-37.5°	334	298	261	225	192	153	116	85	64	43	28
-40°	321	286	249	217	184	145	112	84	61	41	27
-42.5°	306	273	240	209	175	140	107	81	58	39	26
-45°	293	260	229	198	167	133	103	77	54	37	25
-47.5°	278	247	216	186	158	125	97	72	50	35	24
-50°	262	231	200	173	146	117	90	67	48	34	23
-52.5°	244	212	186	161	135	107	83	61	45	32	22
-55°	224	196	173	149	122	97	75	57	42	31	21
-57.5°	209	183	160	135	110	87	68	53	40	29	20
-60°	193	169	145	121	98	78	63	49	37	27	19
-62.5°	175	152	128	106	87	71	57	45	34	25	18
-65°	153	131	110	92	76	63	52	41	31	23	16
-67.5°	129	111	94	78	66	55	46	36	27	20	15
-70°	110	93	79	67	57	48	39	31	23	18	13
-72.5°	92	79	67	56	48	40	33	26	20	15	11
-75°	76	65	55	47	40	33	27	21	16	12	10
-77.5°	60	51	44	37	32	26	21	16	13	11	9
-80°	45	39	34	29	24	20	16	13	11	9	8
-82.5°	32	28	24	21	18	15	13	11	9	8	6
-85°	21	18	16	14	12	11	9	8	6	5	4
-87.5°	10	9	8	7	6	5	5	4	3	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: P627306 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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	0	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	1	2	2	0	0	0
55°	2	1	2	2	0	0	0
52.5°	2	2	2	2	1	0	0
50°	3	2	2	3	1	0	0
47.5°	3	2	2	3	1	0	0
45°	3	3	2	3	1	0	0
42.5°	4	3	3	3	1	0	0
40°	4	3	3	3	2	0	0
37.5°	4	3	3	3	2	0	0
35°	5	3	3	3	2	0	0
32.5°	5	4	3	3	2	0	0
30°	5	4	3	3	2	0	0
27.5°	6	4	3	3	2	0	0
25°	6	5	3	3	3	0	0
22.5°	6	5	3	3	3	0	0
20°	6	5	3	3	3	0	0
17.5°	6	5	3	3	3	0	0
15°	7	6	3	3	3	0	0
12.5°	7	6	3	3	3	0	0
10°	8	6	3	3	3	0	0
7.5°	8	6	3	3	3	0	0
5°	8	6	3	3	3	0	0
2.5°	9	6	3	3	3	0	0
0°	9	6	3	3	3	0	0
-2.5°	11	7	3	3	3	0	0
-5°	12	7	4	3	3	0	0
-7.5°	14	7	4	3	3	0	0
-10°	15	7	4	3	3	0	0
-12.5°	16	8	4	3	3	0	0
-15°	17	8	4	3	3	0	0
-17.5°	17	8	5	3	3	0	0
-20°	18	8	5	3	3	0	0

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CATALOG NUMBER: GFLD-SA4B-722-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

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