

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: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627466 (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-SA4D-740-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28602.4 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 40071.7 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 19157.8 lumens  
Beam Efficiency: 67.0%

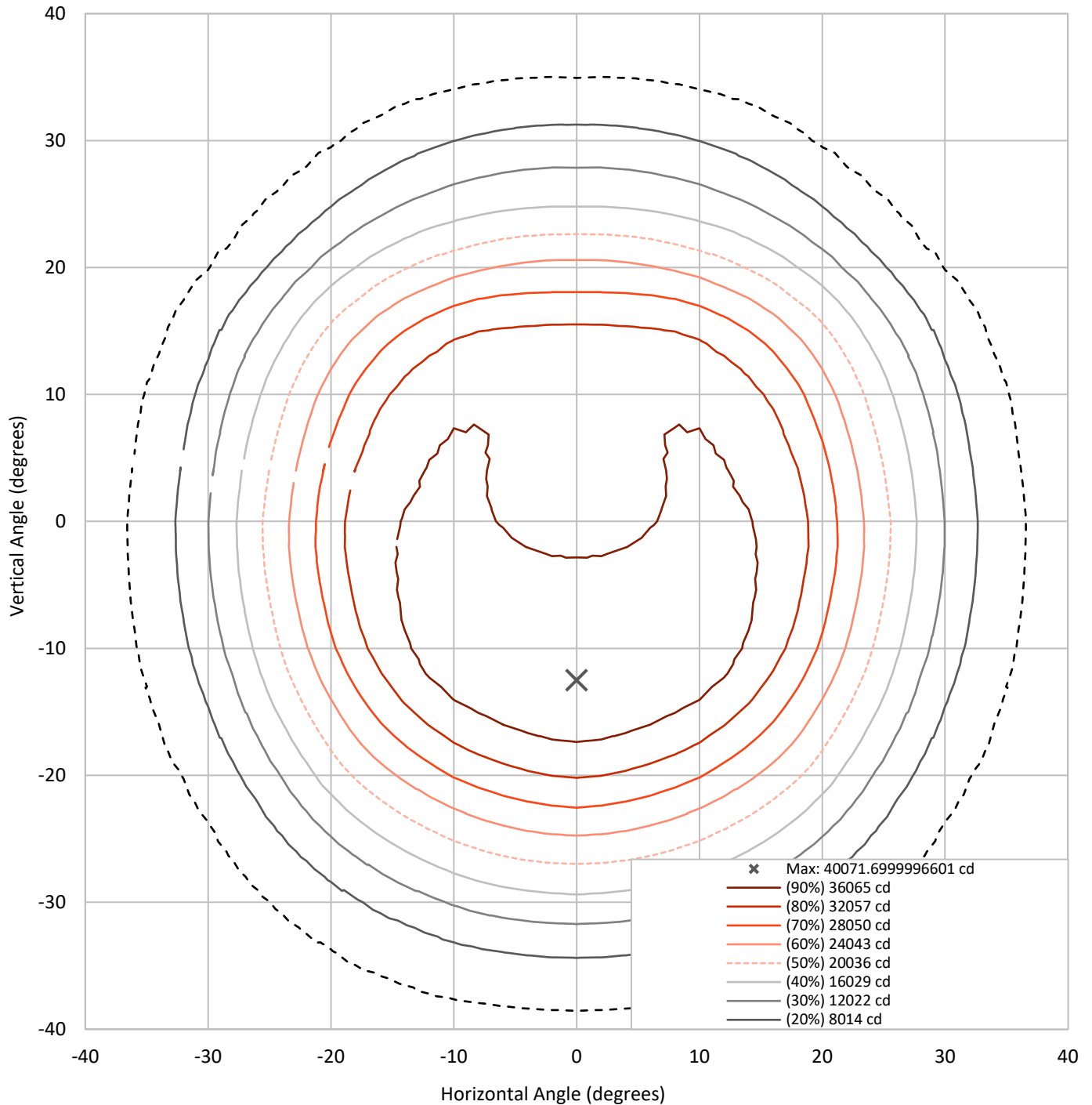
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 25780.7 lumens  
Field Efficiency: 90.1%

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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### 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									
70																								
60	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1									
50		0.1	0.2	0.9	2.3	3.9	5.5	6.3	6.3	5.5	3.9	2.3	0.9	0.2		0.1								
40	0.2	0.2	1.1	4.0	8.0	13.1	19.6	24.1	24.1	19.6	13.1	8.0	4.0	1.1	0.2	0.2								
30		0.5	3.2	8.3	17.2	37.1	84.4	128.9	128.9	84.4	37.1	17.2	8.3	3.2	0.5									
20	0.3	1.2	5.3	13.4	35.9	133.0	342.4	478.6	478.6	342.4	133.0	35.9	13.4	5.3	1.2	0.3								
10		1.9	7.5	20.6	85.4	369.2	770.3	953.7	953.7	770.3	369.2	85.4	20.6	7.5	1.9									
0	0.6	2.5	9.2	26.6	136.0	543.7	993.1	1076.7	1076.7	993.1	543.7	136.0	26.6	9.2	2.5	0.6								
-10		2.9	10.2	28.5	142.3	561.6	1028.9	1142.8	1142.8	1028.9	561.6	142.3	28.5	10.2	2.9									
-20	0.8	3.2	10.3	25.9	101.8	418.1	868.0	1108.3	1108.3	868.0	418.1	101.8	25.9	10.3	3.2	0.8								
-30		3.0	9.8	21.5	56.9	202.8	483.7	680.6	680.6	483.7	202.8	56.9	21.5	9.8	3.0									
-40	0.7	2.6	8.8	17.9	34.0	72.2	151.1	224.2	224.2	151.1	72.2	34.0	17.9	8.8	2.6	0.7								
-50		2.2	7.4	14.9	24.8	36.6	51.6	61.1	61.1	51.6	36.6	24.8	14.9	7.4	2.2									
-60	0.5	1.7	5.5	11.7	19.5	27.0	33.7	36.9	36.9	33.7	27.0	19.5	11.7	5.5	1.7	0.5								
-70		1.2	3.5	8.0	13.7	19.3	24.5	27.3	27.3	24.5	19.3	13.7	8.0	3.5	1.2									
-80	0.2	3.2	14.4	30.7	39.3	30.7	14.4	3.2	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

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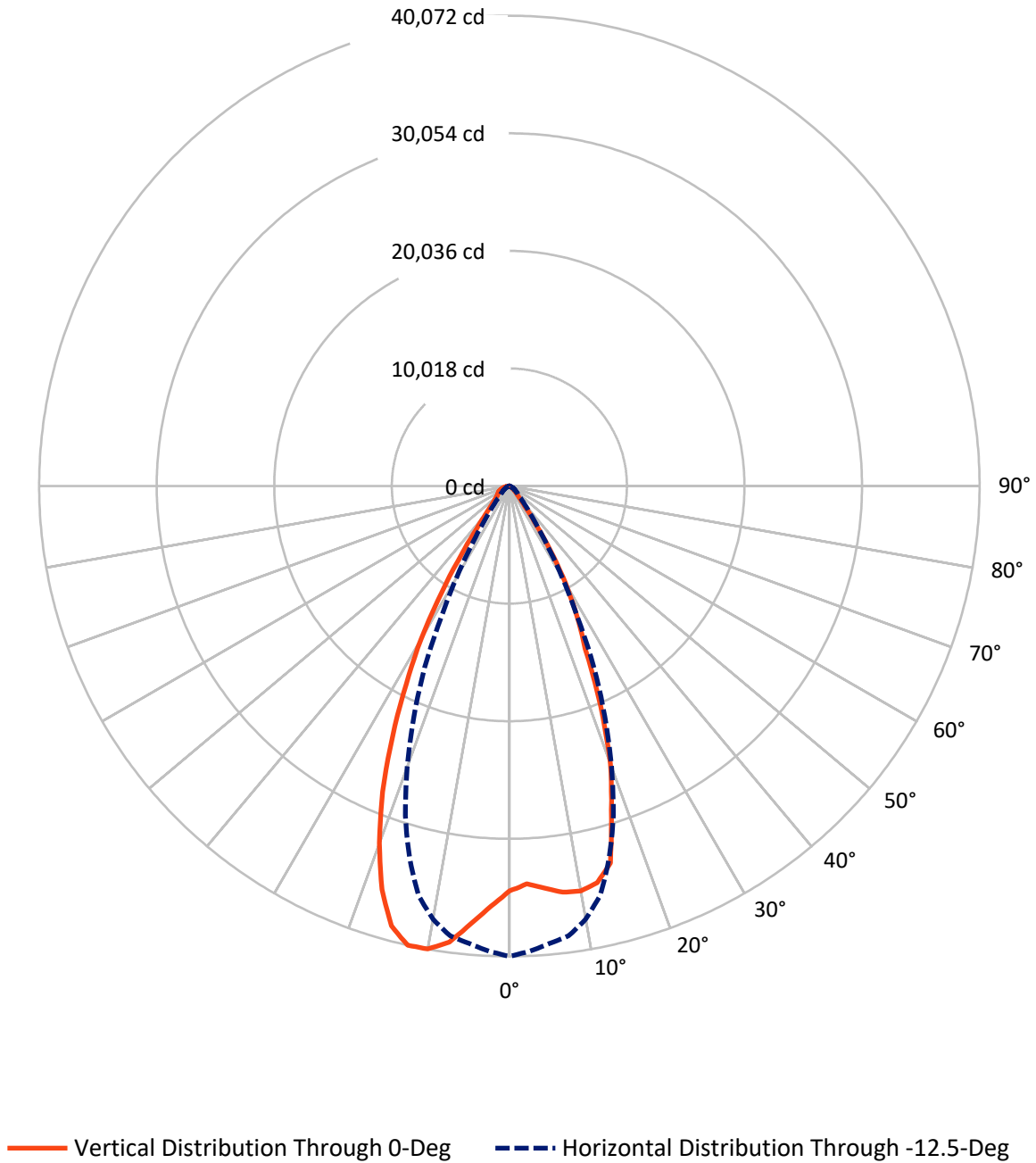
Scaled Data Report



REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

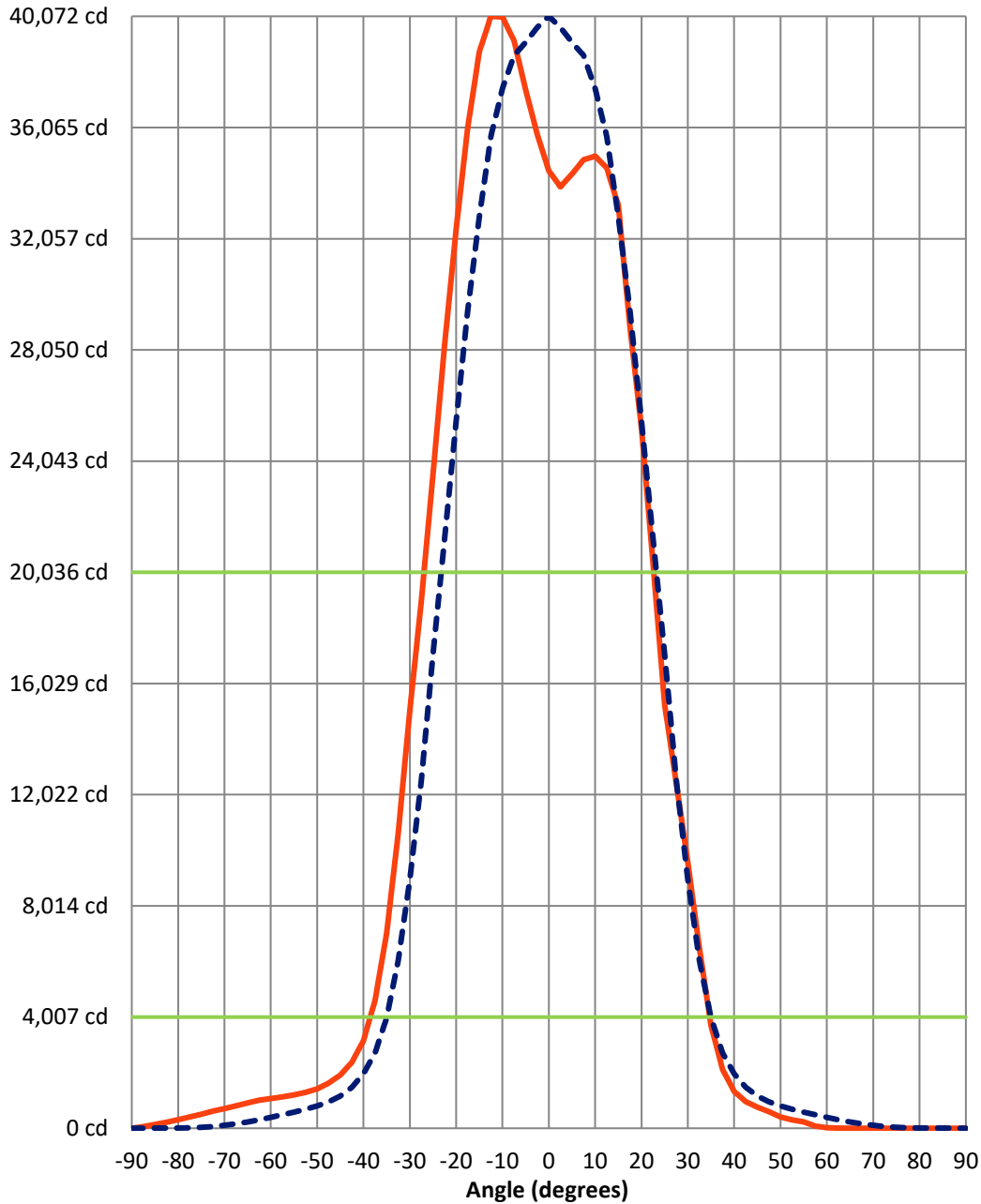
CATALOG NUMBER: GFLD-SA4D-740-U-MWR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 19157.8  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 25780.7  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2821.7  
 Efficiency: 9.9%

- 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	1	0	0	0	0	0
72.5°	0	0	0	0	1	1	0	0	0	0	0
70°	0	0	0	0	1	1	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	3	2	1	0	1	2	2
62.5°	0	0	0	2	3	3	1	1	3	3	4
60°	0	0	0	3	4	3	1	3	5	5	6
57.5°	0	0	0	3	4	3	3	5	6	6	7
55°	0	0	1	4	4	3	4	6	6	7	7
52.5°	0	0	1	5	5	3	5	7	6	7	7
50°	0	0	2	6	5	4	6	7	7	7	8
47.5°	0	0	2	6	5	5	7	7	7	7	9
45°	0	0	3	6	5	5	7	8	7	8	11
42.5°	0	0	3	7	5	6	8	9	7	10	13
40°	0	0	4	7	6	6	9	9	8	12	16
37.5°	0	0	4	7	6	7	9	9	11	15	18
35°	0	0	4	7	6	7	10	10	13	19	24
32.5°	0	0	5	7	6	8	11	10	16	23	39
30°	0	0	5	7	7	8	11	11	18	29	53
27.5°	0	0	5	7	7	9	12	13	22	35	65
25°	0	0	5	7	7	10	12	15	26	44	76
22.5°	0	0	6	7	7	11	13	17	32	54	90
20°	0	0	6	7	7	11	13	19	37	63	104
17.5°	0	0	6	7	7	12	13	21	43	71	118
15°	0	0	6	7	7	12	14	24	49	78	133
12.5°	0	0	6	7	7	12	15	29	54	84	147
10°	0	0	6	7	7	13	16	34	59	95	160
7.5°	0	0	6	7	7	13	17	39	63	106	170
5°	0	0	7	7	7	13	18	44	67	117	179
2.5°	0	0	7	7	7	13	19	48	70	128	185
0°	0	0	7	7	7	13	20	53	72	138	190
-2.5°	0	0	7	7	7	14	23	54	82	144	201
-5°	0	0	7	7	8	14	26	56	90	149	210
-7.5°	0	0	7	7	8	15	29	57	98	154	217
-10°	0	1	6	7	9	16	32	58	104	158	223
-12.5°	0	1	6	7	9	16	34	59	109	161	227
-15°	0	1	6	7	10	16	36	60	110	163	229
-17.5°	0	1	6	7	10	17	37	62	110	163	229
-20°	0	1	6	7	10	17	37	64	108	162	226

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REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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	6	7	10	17	38	66	107	160	220
-25°	0	1	6	7	10	18	38	67	104	157	212
-27.5°	0	1	6	7	10	19	37	66	102	152	207
-30°	0	1	6	7	10	20	37	65	100	148	201
-32.5°	0	1	6	7	10	21	36	64	99	144	193
-35°	0	2	6	7	11	21	36	62	96	139	183
-37.5°	0	2	6	7	11	22	36	60	92	135	181
-40°	0	2	5	7	11	22	36	58	87	129	177
-42.5°	0	2	5	7	11	22	36	55	82	123	172
-45°	0	2	5	7	12	22	35	53	79	115	163
-47.5°	0	2	5	7	12	21	34	52	75	106	153
-50°	0	2	5	8	12	21	33	49	71	102	142
-52.5°	0	2	6	8	12	20	32	47	68	96	129
-55°	0	2	6	8	12	19	31	44	65	90	121
-57.5°	0	1	6	8	12	19	29	42	61	84	113
-60°	0	1	6	8	11	18	28	40	56	78	104
-62.5°	0	1	5	8	11	17	26	37	52	72	95
-65°	0	1	5	8	11	16	24	34	48	65	86
-67.5°	0	1	5	8	11	15	21	31	42	58	76
-70°	0	1	4	8	11	14	19	27	37	50	65
-72.5°	0	1	4	7	10	13	18	23	32	42	54
-75°	0	1	3	6	10	13	16	21	26	35	45
-77.5°	0	1	3	5	8	12	15	18	23	28	35
-80°	0	1	2	4	7	10	13	16	20	24	28
-82.5°	0	0	2	3	5	7	10	13	17	20	23
-85°	0	0	1	2	3	5	7	9	11	14	17
-87.5°	0	0	1	1	2	2	3	4	6	7	8
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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	1	1	0	0	0	0	0	0	0
67.5°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	2	0	2	2	2	0	0	0
62.5°	6	5	4	3	4	5	4	2	1	2	2
60°	7	6	5	5	7	6	4	5	5	6	16
57.5°	7	6	6	7	7	7	8	9	24	39	44
55°	7	7	7	9	10	11	17	37	55	68	73
52.5°	7	7	10	12	15	25	45	67	84	98	116
50°	9	11	13	18	29	51	76	100	123	144	169
47.5°	11	14	20	29	53	82	113	143	170	199	235
45°	14	21	28	51	81	118	155	189	217	251	283
42.5°	17	32	48	72	115	159	201	229	260	297	340
40°	27	45	69	106	152	204	242	272	304	356	408
37.5°	40	63	92	139	195	245	282	318	366	426	488
35°	55	81	122	176	237	284	325	370	436	505	578
32.5°	70	97	152	213	271	321	366	434	503	579	679
30°	84	122	181	248	302	354	419	494	562	655	773
27.5°	100	147	212	277	332	387	471	544	622	728	870
25°	117	174	240	303	360	429	522	599	679	815	1005
22.5°	137	199	267	327	387	474	573	670	775	909	1144
20°	159	223	292	356	414	517	628	746	889	1077	1384
17.5°	179	245	316	385	457	563	687	827	1004	1238	1690
15°	197	265	339	415	499	611	747	919	1133	1424	1986
12.5°	214	282	362	443	536	653	799	986	1239	1658	2364
10°	229	297	383	471	568	691	845	1043	1326	1825	2646
7.5°	241	314	403	497	596	724	884	1089	1402	1957	2867
5°	252	333	421	516	617	751	916	1124	1466	2053	3036
2.5°	262	352	435	532	632	772	941	1158	1528	2133	3180
0°	269	368	447	545	644	788	959	1183	1577	2188	3292
-2.5°	279	376	462	555	662	800	968	1200	1592	2196	3269
-5°	286	382	475	563	676	807	970	1207	1590	2178	3202
-7.5°	293	386	485	569	685	810	971	1203	1574	2142	3093
-10°	298	390	488	577	687	809	966	1188	1536	2071	2928
-12.5°	304	394	489	580	686	805	954	1162	1478	1965	2716
-15°	308	396	488	580	683	796	933	1125	1399	1824	2454
-17.5°	310	397	486	575	677	783	905	1080	1327	1700	2266
-20°	309	395	483	565	669	770	887	1046	1266	1581	2038

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CATALOG NUMBER: GFLD-SA4D-740-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°	306	393	479	557	657	756	865	1004	1189	1448	1816
-25°	300	388	473	552	642	739	837	959	1120	1349	1655
-27.5°	290	380	463	544	626	721	812	923	1064	1240	1485
-30°	275	369	451	532	613	701	789	882	1006	1160	1357
-32.5°	261	356	437	516	597	680	763	850	956	1084	1238
-35°	251	340	422	497	577	658	738	819	905	1019	1151
-37.5°	245	324	407	478	553	632	709	786	867	956	1076
-40°	237	308	389	461	529	606	680	753	827	917	1008
-42.5°	227	296	371	444	508	579	650	720	794	876	963
-45°	218	282	353	420	486	552	620	686	759	837	917
-47.5°	205	266	334	394	458	524	590	656	720	792	869
-50°	190	248	310	368	425	490	556	622	685	747	814
-52.5°	175	226	285	342	395	450	517	584	647	708	767
-55°	159	206	260	315	368	416	474	542	604	664	725
-57.5°	145	186	234	287	339	389	443	500	561	619	678
-60°	134	166	208	257	308	358	410	463	519	575	627
-62.5°	121	150	184	224	272	322	370	421	473	521	568
-65°	109	132	161	195	233	278	325	373	420	463	503
-67.5°	97	117	140	165	199	236	274	317	361	403	441
-70°	83	101	121	142	167	198	232	267	303	339	377
-72.5°	69	85	102	120	142	167	194	222	253	285	317
-75°	57	69	84	99	117	138	161	185	209	234	261
-77.5°	45	56	67	79	93	109	127	146	166	186	206
-80°	35	42	51	61	72	83	96	109	124	140	157
-82.5°	27	33	38	45	52	60	68	77	88	100	112
-85°	20	23	26	30	34	39	44	49	56	64	71
-87.5°	10	11	13	15	17	19	21	23	27	30	34
-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°	2	2	2	2	2	1	3	4	5	5	5
60°	18	12	17	21	21	16	23	27	24	20	21
57.5°	46	50	57	66	73	78	84	91	96	99	101
55°	84	101	119	127	141	163	182	183	187	191	202
52.5°	135	155	164	180	207	225	234	249	265	281	295
50°	196	213	233	258	285	302	308	335	367	394	410
47.5°	258	280	316	360	383	403	430	465	501	540	570
45°	315	355	401	440	471	504	541	584	641	695	736
42.5°	380	425	471	518	551	607	672	722	804	876	921
40°	456	501	567	623	692	764	875	978	1081	1200	1288
37.5°	547	616	710	800	903	1008	1207	1410	1575	1808	1937
35°	657	764	896	1031	1195	1450	1739	2131	2538	2878	3205
32.5°	784	920	1103	1344	1620	2028	2463	3185	3888	4591	5280
30°	908	1106	1386	1718	2171	2817	3637	4752	5960	7018	7975
27.5°	1074	1356	1718	2214	2986	3932	5446	6994	8533	9906	10893
25°	1275	1652	2165	2986	4100	5670	7698	9597	11402	12749	13883
22.5°	1565	2131	2859	3904	5926	8109	10536	12925	14953	16650	17768
20°	1923	2689	3907	5802	8180	10909	14034	16546	19044	20953	22659
17.5°	2431	3650	5369	7777	10618	14258	17475	20278	23449	25400	27140
15°	2888	4454	6906	9977	13306	17165	20959	24390	27452	29596	31541
12.5°	3465	5309	8127	11740	15381	19677	23621	27296	30294	32501	33861
10°	3983	6186	9348	13126	17202	21690	25777	29602	32506	34212	35213
7.5°	4400	6914	10337	14312	18616	23132	27450	31247	34026	35453	36136
5°	4724	7454	11111	15285	19754	24376	28783	32499	34839	36019	36401
2.5°	4967	7830	11632	15925	20523	25295	29794	33456	35453	36304	36430
0°	5131	8094	11971	16327	21182	25624	30341	34060	35959	36642	36708
-2.5°	5093	7999	11956	16181	21106	25772	30428	34098	36130	37048	37198
-5°	4989	7774	11559	15767	20506	25178	29620	33495	35989	37375	37989
-7.5°	4789	7385	10882	14976	19534	24210	28739	32760	35629	37580	38782
-10°	4448	6817	10014	13975	18467	22923	27401	31573	34663	37012	38686
-12.5°	3984	6046	8957	12557	17072	21233	25472	29470	32843	35739	37469
-15°	3504	5243	7858	11152	15083	19180	23097	27020	30350	33058	35215
-17.5°	3162	4540	6585	9468	12920	16807	20628	24232	27236	29782	32045
-20°	2730	3753	5372	7796	10835	14233	17894	21101	23784	26171	28333

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	2385	3214	4384	6037	8767	11764	14758	17712	20234	22359	24204
-25°	2073	2654	3568	4913	6689	9277	11800	14293	16622	18598	20260
-27.5°	1827	2290	2899	3856	5204	6714	8925	11009	13011	14818	16385
-30°	1604	1951	2427	3026	3942	5064	6394	7952	9549	10975	12399
-32.5°	1444	1690	2018	2462	2976	3779	4582	5631	6642	7682	8703
-35°	1300	1498	1721	2018	2370	2839	3369	4009	4550	5231	5858
-37.5°	1201	1341	1511	1698	1950	2212	2571	2960	3295	3674	3993
-40°	1119	1229	1344	1471	1644	1820	2052	2270	2483	2714	2887
-42.5°	1050	1138	1222	1319	1422	1564	1719	1855	1984	2120	2233
-45°	996	1062	1129	1205	1283	1385	1495	1597	1681	1757	1819
-47.5°	938	997	1056	1115	1182	1256	1328	1393	1463	1522	1565
-50°	881	940	993	1044	1102	1160	1217	1269	1319	1363	1389
-52.5°	826	886	939	985	1034	1082	1129	1176	1219	1258	1276
-55°	784	839	892	934	975	1016	1058	1102	1143	1180	1192
-57.5°	737	794	845	884	921	958	997	1038	1077	1112	1123
-60°	684	743	788	824	863	903	940	976	1012	1043	1055
-62.5°	620	673	715	751	785	818	858	897	935	965	984
-65°	545	590	630	667	700	732	770	805	840	867	886
-67.5°	479	514	548	580	612	645	680	713	745	769	785
-70°	413	446	477	508	536	565	593	621	649	670	685
-72.5°	349	378	404	431	458	483	508	532	555	573	588
-75°	288	313	336	359	381	401	420	439	457	472	486
-77.5°	227	247	267	286	305	321	336	350	364	377	389
-80°	174	188	203	217	232	244	255	266	277	287	296
-82.5°	125	134	144	153	163	172	180	188	195	203	210
-85°	79	85	90	95	101	106	111	116	120	125	129
-87.5°	38	40	43	45	48	50	52	55	57	59	61
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-740-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°	6	6	7	7	7	6	6	5	5	5	4
60°	20	20	20	20	20	20	20	21	20	24	27
57.5°	99	92	86	79	86	92	99	101	99	96	91
55°	215	227	232	230	232	227	215	202	191	187	183
52.5°	305	311	309	302	309	311	305	295	281	265	249
50°	417	417	414	407	414	417	417	410	394	367	335
47.5°	586	595	599	598	599	595	586	570	540	501	465
45°	751	760	763	762	763	760	751	736	695	641	584
42.5°	945	959	964	959	964	959	945	921	876	804	722
40°	1339	1356	1348	1327	1348	1356	1339	1288	1200	1081	978
37.5°	2028	2094	2122	2122	2122	2094	2028	1937	1808	1575	1410
35°	3498	3732	3840	3706	3840	3732	3498	3205	2878	2538	2131
32.5°	5843	6258	6491	6491	6491	6258	5843	5280	4591	3888	3185
30°	8699	9219	9511	9573	9511	9219	8699	7975	7018	5960	4752
27.5°	11662	12199	12478	12437	12478	12199	11662	10893	9906	8533	6994
25°	14635	15041	15276	15282	15276	15041	14635	13883	12749	11402	9597
22.5°	19026	19882	20234	20328	20234	19882	19026	17768	16650	14953	12925
20°	23813	24643	25178	25210	25178	24643	23813	22659	20953	19044	16546
17.5°	28374	28785	28861	28896	28861	28785	28374	27140	25400	23449	20278
15°	32673	32817	33198	33245	33198	32817	32673	31541	29596	27452	24390
12.5°	34715	34847	34782	34605	34782	34847	34715	33861	32501	30294	27296
10°	35828	35642	35365	35032	35365	35642	35828	35213	34212	32506	29602
7.5°	36080	35874	35385	34901	35385	35874	36080	36136	35453	34026	31247
5°	36200	35593	34976	34388	34976	35593	36200	36401	36019	34839	32499
2.5°	36129	35407	34561	33929	34561	35407	36129	36430	36304	35453	33456
0°	36359	35630	34743	34507	34743	35630	36359	36708	36642	35959	34060
-2.5°	37001	36410	35947	35821	35947	36410	37001	37198	37048	36130	34098
-5°	38156	38026	37239	37424	37239	38026	38156	37989	37375	35989	33495
-7.5°	39272	39087	38754	39185	38754	39087	39272	38782	37580	35629	32760
-10°	39568	39507	39663	40045	39663	39507	39568	38686	37012	34663	31573
-12.5°	38659	39135	39669	40072	39669	39135	38659	37469	35739	32843	29470
-15°	36632	37606	38405	38784	38405	37606	36632	35215	33058	30350	27020
-17.5°	33646	34841	35788	36057	35788	34841	33646	32045	29782	27236	24232
-20°	29971	31186	32047	32391	32047	31186	29971	28333	26171	23784	21101

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REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	25834	27021	27801	28212	27801	27021	25834	24204	22359	20234	17712
-25°	21636	22679	23372	23554	23372	22679	21636	20260	18598	16622	14293
-27.5°	17622	18460	18971	19027	18971	18460	17622	16385	14818	13011	11009
-30°	13583	14362	14804	15039	14804	14362	13583	12399	10975	9549	7952
-32.5°	9540	10158	10532	10631	10532	10158	9540	8703	7682	6642	5631
-35°	6360	6745	6982	7030	6982	6745	6360	5858	5231	4550	4009
-37.5°	4253	4440	4556	4612	4556	4440	4253	3993	3674	3295	2960
-40°	3013	3101	3150	3160	3150	3101	3013	2887	2714	2483	2270
-42.5°	2304	2349	2372	2378	2372	2349	2304	2233	2120	1984	1855
-45°	1862	1893	1912	1919	1912	1893	1862	1819	1757	1681	1597
-47.5°	1593	1613	1625	1629	1625	1613	1593	1565	1522	1463	1393
-50°	1405	1417	1421	1419	1421	1417	1405	1389	1363	1319	1269
-52.5°	1287	1295	1297	1294	1297	1295	1287	1276	1258	1219	1176
-55°	1200	1205	1205	1202	1205	1205	1200	1192	1180	1143	1102
-57.5°	1132	1139	1137	1130	1137	1139	1132	1123	1112	1077	1038
-60°	1066	1073	1074	1071	1074	1073	1066	1055	1043	1012	976
-62.5°	1000	1013	1014	1012	1014	1013	1000	984	965	935	897
-65°	904	920	919	913	919	920	904	886	867	840	805
-67.5°	798	810	811	808	811	810	798	785	769	745	713
-70°	699	712	712	710	712	712	699	685	670	649	621
-72.5°	602	614	617	618	617	614	602	588	573	555	532
-75°	498	510	509	506	509	510	498	486	472	457	439
-77.5°	401	412	410	407	410	412	401	389	377	364	350
-80°	305	314	312	309	312	314	305	296	287	277	266
-82.5°	216	222	220	217	220	222	216	210	203	195	188
-85°	133	137	138	138	138	137	133	129	125	120	116
-87.5°	63	65	62	59	62	65	63	61	59	57	55
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-740-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	2
62.5°	3	1	2	2	2	2	2	2	2	1	2
60°	23	16	21	21	17	12	18	16	6	5	5
57.5°	84	78	73	66	57	50	46	44	39	24	9
55°	182	163	141	127	119	101	84	73	68	55	37
52.5°	234	225	207	180	164	155	135	116	98	84	67
50°	308	302	285	258	233	213	196	169	144	123	100
47.5°	430	403	383	360	316	280	258	235	199	170	143
45°	541	504	471	440	401	355	315	283	251	217	189
42.5°	672	607	551	518	471	425	380	340	297	260	229
40°	875	764	692	623	567	501	456	408	356	304	272
37.5°	1207	1008	903	800	710	616	547	488	426	366	318
35°	1739	1450	1195	1031	896	764	657	578	505	436	370
32.5°	2463	2028	1620	1344	1103	920	784	679	579	503	434
30°	3637	2817	2171	1718	1386	1106	908	773	655	562	494
27.5°	5446	3932	2986	2214	1718	1356	1074	870	728	622	544
25°	7698	5670	4100	2986	2165	1652	1275	1005	815	679	599
22.5°	10536	8109	5926	3904	2859	2131	1565	1144	909	775	670
20°	14034	10909	8180	5802	3907	2689	1923	1384	1077	889	746
17.5°	17475	14258	10618	7777	5369	3650	2431	1690	1238	1004	827
15°	20959	17165	13306	9977	6906	4454	2888	1986	1424	1133	919
12.5°	23621	19677	15381	11740	8127	5309	3465	2364	1658	1239	986
10°	25777	21690	17202	13126	9348	6186	3983	2646	1825	1326	1043
7.5°	27450	23132	18616	14312	10337	6914	4400	2867	1957	1402	1089
5°	28783	24376	19754	15285	11111	7454	4724	3036	2053	1466	1124
2.5°	29794	25295	20523	15925	11632	7830	4967	3180	2133	1528	1158
0°	30341	25624	21182	16327	11971	8094	5131	3292	2188	1577	1183
-2.5°	30428	25772	21106	16181	11956	7999	5093	3269	2196	1592	1200
-5°	29620	25178	20506	15767	11559	7774	4989	3202	2178	1590	1207
-7.5°	28739	24210	19534	14976	10882	7385	4789	3093	2142	1574	1203
-10°	27401	22923	18467	13975	10014	6817	4448	2928	2071	1536	1188
-12.5°	25472	21233	17072	12557	8957	6046	3984	2716	1965	1478	1162
-15°	23097	19180	15083	11152	7858	5243	3504	2454	1824	1399	1125
-17.5°	20628	16807	12920	9468	6585	4540	3162	2266	1700	1327	1080
-20°	17894	14233	10835	7796	5372	3753	2730	2038	1581	1266	1046

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REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14758	11764	8767	6037	4384	3214	2385	1816	1448	1189	1004
-25°	11800	9277	6689	4913	3568	2654	2073	1655	1349	1120	959
-27.5°	8925	6714	5204	3856	2899	2290	1827	1485	1240	1064	923
-30°	6394	5064	3942	3026	2427	1951	1604	1357	1160	1006	882
-32.5°	4582	3779	2976	2462	2018	1690	1444	1238	1084	956	850
-35°	3369	2839	2370	2018	1721	1498	1300	1151	1019	905	819
-37.5°	2571	2212	1950	1698	1511	1341	1201	1076	956	867	786
-40°	2052	1820	1644	1471	1344	1229	1119	1008	917	827	753
-42.5°	1719	1564	1422	1319	1222	1138	1050	963	876	794	720
-45°	1495	1385	1283	1205	1129	1062	996	917	837	759	686
-47.5°	1328	1256	1182	1115	1056	997	938	869	792	720	656
-50°	1217	1160	1102	1044	993	940	881	814	747	685	622
-52.5°	1129	1082	1034	985	939	886	826	767	708	647	584
-55°	1058	1016	975	934	892	839	784	725	664	604	542
-57.5°	997	958	921	884	845	794	737	678	619	561	500
-60°	940	903	863	824	788	743	684	627	575	519	463
-62.5°	858	818	785	751	715	673	620	568	521	473	421
-65°	770	732	700	667	630	590	545	503	463	420	373
-67.5°	680	645	612	580	548	514	479	441	403	361	317
-70°	593	565	536	508	477	446	413	377	339	303	267
-72.5°	508	483	458	431	404	378	349	317	285	253	222
-75°	420	401	381	359	336	313	288	261	234	209	185
-77.5°	336	321	305	286	267	247	227	206	186	166	146
-80°	255	244	232	217	203	188	174	157	140	124	109
-82.5°	180	172	163	153	144	134	125	112	100	88	77
-85°	111	106	101	95	90	85	79	71	64	56	49
-87.5°	52	50	48	45	43	40	38	34	30	27	23
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627466 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-740-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	1	1	0	0	0	0	0	0
67.5°	0	0	0	1	2	2	0	1	1	0	0
65°	2	2	0	2	3	4	3	2	2	1	0
62.5°	4	5	4	3	4	5	6	4	3	3	1
60°	4	6	7	5	5	6	7	6	5	5	3
57.5°	8	7	7	7	6	6	7	7	6	6	5
55°	17	11	10	9	7	7	7	7	7	6	6
52.5°	45	25	15	12	10	7	7	7	7	6	7
50°	76	51	29	18	13	11	9	8	7	7	7
47.5°	113	82	53	29	20	14	11	9	7	7	7
45°	155	118	81	51	28	21	14	11	8	7	8
42.5°	201	159	115	72	48	32	17	13	10	7	9
40°	242	204	152	106	69	45	27	16	12	8	9
37.5°	282	245	195	139	92	63	40	18	15	11	9
35°	325	284	237	176	122	81	55	24	19	13	10
32.5°	366	321	271	213	152	97	70	39	23	16	10
30°	419	354	302	248	181	122	84	53	29	18	11
27.5°	471	387	332	277	212	147	100	65	35	22	13
25°	522	429	360	303	240	174	117	76	44	26	15
22.5°	573	474	387	327	267	199	137	90	54	32	17
20°	628	517	414	356	292	223	159	104	63	37	19
17.5°	687	563	457	385	316	245	179	118	71	43	21
15°	747	611	499	415	339	265	197	133	78	49	24
12.5°	799	653	536	443	362	282	214	147	84	54	29
10°	845	691	568	471	383	297	229	160	95	59	34
7.5°	884	724	596	497	403	314	241	170	106	63	39
5°	916	751	617	516	421	333	252	179	117	67	44
2.5°	941	772	632	532	435	352	262	185	128	70	48
0°	959	788	644	545	447	368	269	190	138	72	53
-2.5°	968	800	662	555	462	376	279	201	144	82	54
-5°	970	807	676	563	475	382	286	210	149	90	56
-7.5°	971	810	685	569	485	386	293	217	154	98	57
-10°	966	809	687	577	488	390	298	223	158	104	58
-12.5°	954	805	686	580	489	394	304	227	161	109	59
-15°	933	796	683	580	488	396	308	229	163	110	60
-17.5°	905	783	677	575	486	397	310	229	163	110	62
-20°	887	770	669	565	483	395	309	226	162	108	64

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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°	865	756	657	557	479	393	306	220	160	107	66
-25°	837	739	642	552	473	388	300	212	157	104	67
-27.5°	812	721	626	544	463	380	290	207	152	102	66
-30°	789	701	613	532	451	369	275	201	148	100	65
-32.5°	763	680	597	516	437	356	261	193	144	99	64
-35°	738	658	577	497	422	340	251	183	139	96	62
-37.5°	709	632	553	478	407	324	245	181	135	92	60
-40°	680	606	529	461	389	308	237	177	129	87	58
-42.5°	650	579	508	444	371	296	227	172	123	82	55
-45°	620	552	486	420	353	282	218	163	115	79	53
-47.5°	590	524	458	394	334	266	205	153	106	75	52
-50°	556	490	425	368	310	248	190	142	102	71	49
-52.5°	517	450	395	342	285	226	175	129	96	68	47
-55°	474	416	368	315	260	206	159	121	90	65	44
-57.5°	443	389	339	287	234	186	145	113	84	61	42
-60°	410	358	308	257	208	166	134	104	78	56	40
-62.5°	370	322	272	224	184	150	121	95	72	52	37
-65°	325	278	233	195	161	132	109	86	65	48	34
-67.5°	274	236	199	165	140	117	97	76	58	42	31
-70°	232	198	167	142	121	101	83	65	50	37	27
-72.5°	194	167	142	120	102	85	69	54	42	32	23
-75°	161	138	117	99	84	69	57	45	35	26	21
-77.5°	127	109	93	79	67	56	45	35	28	23	18
-80°	96	83	72	61	51	42	35	28	24	20	16
-82.5°	68	60	52	45	38	33	27	23	20	17	13
-85°	44	39	34	30	26	23	20	17	14	11	9
-87.5°	21	19	17	15	13	11	10	8	7	6	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4D-740-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	1	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	1	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	3	1	0	0	0
62.5°	1	3	3	2	0	0	0
60°	1	3	4	3	0	0	0
57.5°	3	3	4	3	0	0	0
55°	4	3	4	4	1	0	0
52.5°	5	3	5	5	1	0	0
50°	6	4	5	6	2	0	0
47.5°	7	5	5	6	2	0	0
45°	7	5	5	6	3	0	0
42.5°	8	6	5	7	3	0	0
40°	9	6	6	7	4	0	0
37.5°	9	7	6	7	4	0	0
35°	10	7	6	7	4	0	0
32.5°	11	8	6	7	5	0	0
30°	11	8	7	7	5	0	0
27.5°	12	9	7	7	5	0	0
25°	12	10	7	7	5	0	0
22.5°	13	11	7	7	6	0	0
20°	13	11	7	7	6	0	0
17.5°	13	12	7	7	6	0	0
15°	14	12	7	7	6	0	0
12.5°	15	12	7	7	6	0	0
10°	16	13	7	7	6	0	0
7.5°	17	13	7	7	6	0	0
5°	18	13	7	7	7	0	0
2.5°	19	13	7	7	7	0	0
0°	20	13	7	7	7	0	0
-2.5°	23	14	7	7	7	0	0
-5°	26	14	8	7	7	0	0
-7.5°	29	15	8	7	7	0	0
-10°	32	16	9	7	6	1	0
-12.5°	34	16	9	7	6	1	0
-15°	36	16	10	7	6	1	0
-17.5°	37	17	10	7	6	1	0
-20°	37	17	10	7	6	1	0

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CATALOG NUMBER: GFLD-SA4D-740-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	38	17	10	7	6	1	0
-25°	38	18	10	7	6	1	0
-27.5°	37	19	10	7	6	1	0
-30°	37	20	10	7	6	1	0
-32.5°	36	21	10	7	6	1	0
-35°	36	21	11	7	6	2	0
-37.5°	36	22	11	7	6	2	0
-40°	36	22	11	7	5	2	0
-42.5°	36	22	11	7	5	2	0
-45°	35	22	12	7	5	2	0
-47.5°	34	21	12	7	5	2	0
-50°	33	21	12	8	5	2	0
-52.5°	32	20	12	8	6	2	0
-55°	31	19	12	8	6	2	0
-57.5°	29	19	12	8	6	1	0
-60°	28	18	11	8	6	1	0
-62.5°	26	17	11	8	5	1	0
-65°	24	16	11	8	5	1	0
-67.5°	21	15	11	8	5	1	0
-70°	19	14	11	8	4	1	0
-72.5°	18	13	10	7	4	1	0
-75°	16	13	10	6	3	1	0
-77.5°	15	12	8	5	3	1	0
-80°	13	10	7	4	2	1	0
-82.5°	10	7	5	3	2	0	0
-85°	7	5	3	2	1	0	0
-87.5°	3	2	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)