

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: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627526 (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-SA4E-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: 31689.1 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 44396 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 21225.2 lumens  
Beam Efficiency: 67.0%

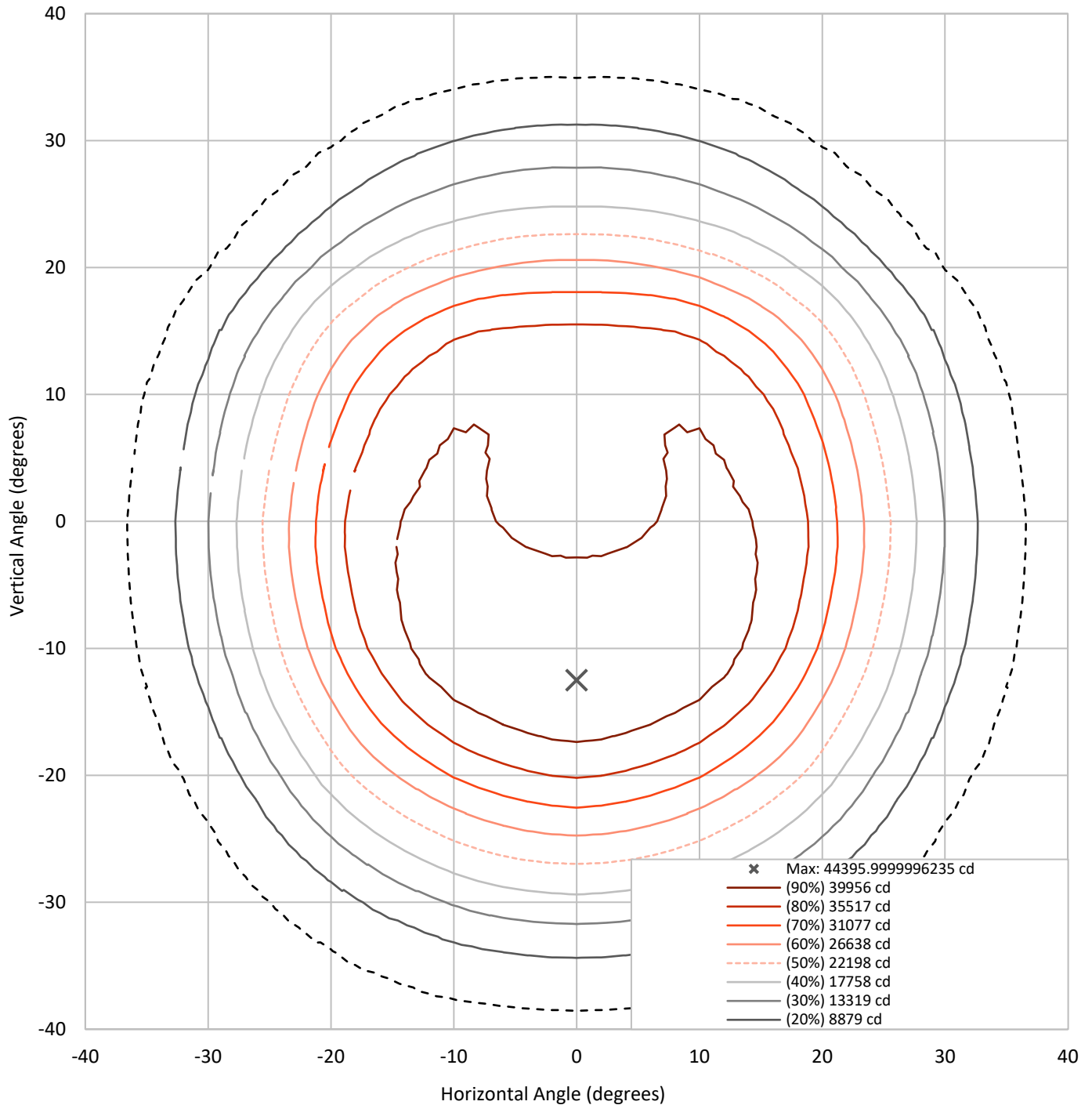
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 28562.8 lumens  
Field Efficiency: 90.1%

Input Watts (W): 255.9  
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-SA4E-740-U-MWR-VSR-XX

### Iso-Candela Plot





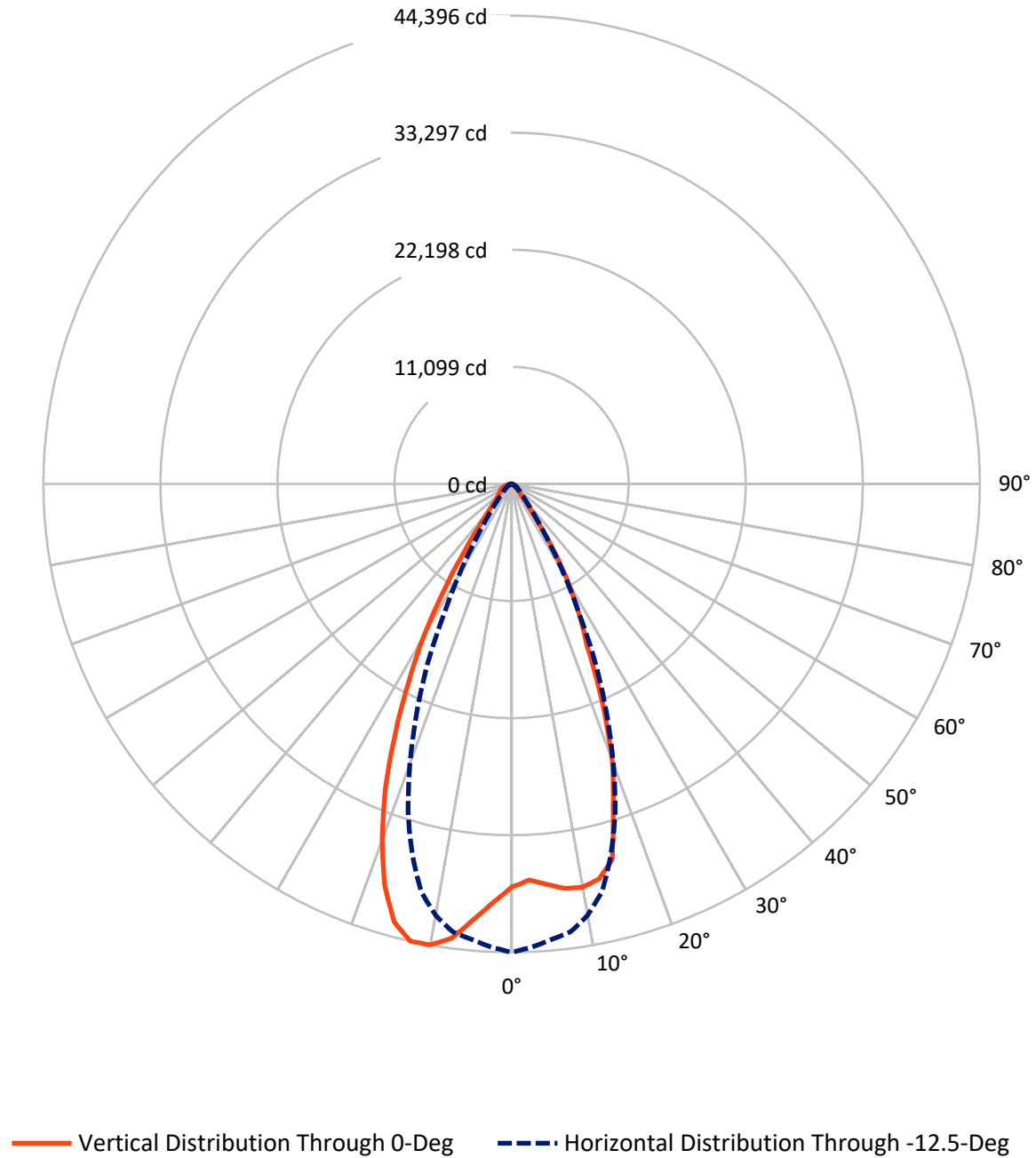
REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

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	1.0	2.6	4.4	6.0	7.0	7.0	6.0	4.4	2.6	1.0	0.2		0.1			
40	0.2	0.2	1.2	4.5	8.9	14.6	21.7	26.6	26.6	21.7	14.6	8.9	4.5	1.2	0.2				
30		0.6	3.5	9.2	19.0	41.1	93.5	142.8	142.8	93.5	41.1	19.0	9.2	3.5	0.6				
20	0.3	1.3	5.9	14.8	39.8	147.3	379.3	530.2	530.2	379.3	147.3	39.8	14.8	5.9	1.3				
10		2.1	8.3	22.9	94.6	409.1	853.4	1056.6	1056.6	853.4	409.1	94.6	22.9	8.3	2.1				
0	0.7	2.8	10.2	29.5	150.7	602.4	1100.3	1192.9	1192.9	1100.3	602.4	150.7	29.5	10.2	2.8				
-10		3.2	11.3	31.6	157.6	622.2	1139.9	1266.1	1266.1	1139.9	622.2	157.6	31.6	11.3	3.2				
-20	0.9	3.5	11.5	28.7	112.8	463.2	961.7	1227.9	1227.9	961.7	463.2	112.8	28.7	11.5	3.5				
-30		3.4	10.9	23.9	63.1	224.7	535.8	754.0	754.0	535.8	224.7	63.1	23.9	10.9	3.4				
-40	0.8	2.9	9.7	19.8	37.6	80.0	167.4	248.4	248.4	167.4	80.0	37.6	19.8	9.7	2.9				
-50		2.5	8.2	16.5	27.5	40.6	57.1	67.7	67.7	57.1	40.6	27.5	16.5	8.2	2.5				
-60	0.6	1.9	6.1	13.0	21.6	29.9	37.3	40.9	40.9	37.3	29.9	21.6	13.0	6.1	1.9				
-70		1.3	3.9	8.9	15.2	21.4	27.1	30.3	30.3	27.1	21.4	15.2	8.9	3.9	1.3				
-80	0.2	3.5	15.9	34.0	43.6	34.0	15.9	3.5	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

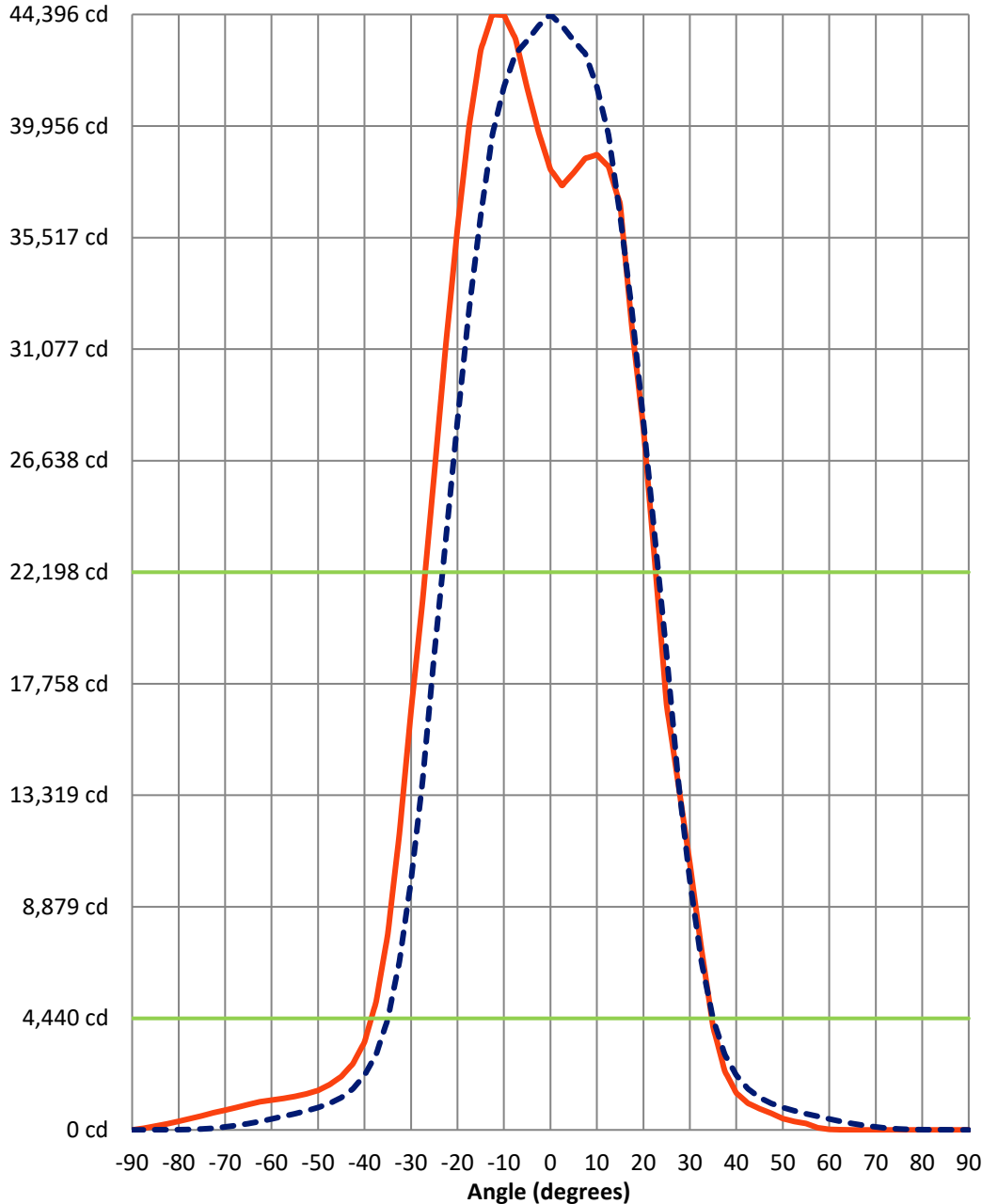
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 21225.2  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 28562.8  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 3126.2  
 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	2	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	2	3	3	1	0	2	2	2
62.5°	0	0	0	2	4	3	1	1	3	4	5
60°	0	0	0	3	5	3	1	3	5	5	7
57.5°	0	0	1	4	5	3	3	5	6	7	7
55°	0	0	1	5	5	3	4	7	7	7	7
52.5°	0	0	2	5	5	4	5	7	7	7	7
50°	0	0	2	6	5	5	6	8	7	7	8
47.5°	0	0	3	7	6	5	7	8	7	7	10
45°	0	0	3	7	6	6	8	9	8	9	12
42.5°	0	0	3	7	6	6	9	9	8	11	15
40°	0	0	4	7	6	7	9	10	9	13	17
37.5°	0	0	4	7	7	7	10	10	12	17	20
35°	0	0	5	7	7	8	11	11	15	21	27
32.5°	0	0	5	7	7	9	12	11	17	26	43
30°	0	0	5	7	7	9	13	12	20	32	58
27.5°	0	0	6	7	7	10	13	14	24	39	72
25°	0	0	6	7	7	11	14	17	29	49	85
22.5°	0	0	6	7	7	12	14	19	35	60	100
20°	0	0	6	7	7	12	14	21	41	70	115
17.5°	0	0	7	7	7	13	15	24	47	79	131
15°	0	0	7	7	7	13	16	27	54	86	147
12.5°	0	0	7	7	7	14	17	32	60	93	163
10°	0	0	7	7	7	14	18	37	65	105	177
7.5°	0	0	7	7	7	14	19	43	70	117	189
5°	0	0	7	7	7	14	20	48	74	130	198
2.5°	0	0	7	7	7	15	21	53	77	142	205
0°	0	0	7	7	7	15	22	58	80	153	211
-2.5°	0	0	7	7	8	15	26	60	90	160	222
-5°	0	0	7	7	9	16	29	62	100	166	232
-7.5°	0	0	7	7	9	17	33	63	109	171	240
-10°	0	1	7	7	10	17	36	64	115	175	247
-12.5°	0	1	7	7	10	18	38	65	120	179	251
-15°	0	1	7	7	11	18	40	66	122	180	254
-17.5°	0	1	7	7	11	18	41	68	121	181	253
-20°	0	1	7	7	11	19	41	71	120	180	250

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CATALOG NUMBER: GFLD-SA4E-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	7	7	11	19	42	73	118	178	244
-25°	0	1	7	7	11	20	42	74	116	174	235
-27.5°	0	1	6	7	11	21	41	74	113	169	229
-30°	0	2	6	7	11	22	40	72	111	164	223
-32.5°	0	2	6	7	11	23	39	71	110	159	214
-35°	0	2	6	7	12	24	40	69	107	154	203
-37.5°	0	2	6	7	12	24	40	67	102	149	200
-40°	0	2	6	7	12	24	40	64	96	143	196
-42.5°	0	2	6	7	12	24	40	61	91	136	190
-45°	0	2	6	8	13	24	39	59	87	127	181
-47.5°	0	2	6	8	13	24	38	57	83	118	170
-50°	0	2	6	8	13	23	37	55	79	113	157
-52.5°	0	2	6	9	13	22	35	52	76	107	143
-55°	0	2	6	9	13	22	34	49	72	100	135
-57.5°	0	2	6	9	13	21	32	47	67	94	125
-60°	0	2	6	9	13	20	30	44	62	87	115
-62.5°	0	1	6	9	12	19	29	41	58	79	105
-65°	0	1	6	9	12	17	26	38	53	72	95
-67.5°	0	1	5	9	12	16	24	34	47	64	84
-70°	0	1	5	9	12	16	21	30	41	55	72
-72.5°	0	1	4	8	11	15	19	26	35	47	60
-75°	0	1	4	7	11	14	18	23	29	38	50
-77.5°	0	1	3	6	9	13	16	20	25	31	38
-80°	0	1	2	5	7	11	15	18	22	26	31
-82.5°	0	0	2	4	6	8	11	15	18	22	25
-85°	0	0	1	2	4	6	8	10	12	15	18
-87.5°	0	0	1	1	2	3	4	5	6	8	9
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: GFLD-SA4E-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	2	0	0	0	0	0	0	0
65°	4	5	4	2	0	2	2	2	0	0	0
62.5°	7	6	4	3	4	6	4	3	1	2	3
60°	7	6	5	6	7	7	5	5	6	7	17
57.5°	7	7	7	8	8	8	9	10	26	43	48
55°	7	7	8	10	11	13	19	41	61	75	81
52.5°	8	8	11	14	17	27	50	74	93	108	128
50°	9	12	15	20	32	57	85	111	136	159	187
47.5°	12	15	22	32	59	91	125	158	188	220	260
45°	15	24	31	56	90	130	172	210	240	278	314
42.5°	18	36	53	80	128	176	223	254	288	329	376
40°	30	50	76	117	168	226	268	301	337	395	452
37.5°	45	70	102	154	216	272	312	353	405	472	540
35°	61	89	135	195	263	315	360	410	483	559	640
32.5°	77	107	168	236	300	355	406	481	557	641	753
30°	93	135	201	274	335	393	464	547	623	726	856
27.5°	111	163	235	306	368	428	522	603	689	807	963
25°	130	193	266	335	399	475	578	664	753	903	1114
22.5°	152	221	296	362	429	525	635	742	858	1008	1268
20°	176	248	324	395	458	573	696	827	985	1193	1534
17.5°	198	272	350	427	507	624	761	916	1113	1372	1872
15°	219	293	376	459	553	677	828	1018	1255	1577	2200
12.5°	237	313	401	491	593	724	886	1092	1373	1836	2619
10°	254	329	425	522	629	766	936	1155	1469	2022	2932
7.5°	267	348	447	551	660	802	979	1206	1553	2168	3176
5°	279	369	466	572	683	832	1014	1246	1625	2275	3364
2.5°	290	390	482	590	700	855	1042	1283	1693	2363	3523
0°	298	408	495	604	713	873	1063	1310	1747	2424	3647
-2.5°	309	417	512	615	734	886	1072	1330	1764	2433	3622
-5°	317	423	526	624	750	894	1075	1338	1762	2413	3547
-7.5°	324	427	537	631	758	897	1076	1333	1744	2373	3426
-10°	330	432	540	639	761	897	1071	1316	1702	2295	3244
-12.5°	337	436	541	643	760	891	1057	1287	1637	2178	3009
-15°	341	439	540	642	756	882	1034	1246	1550	2021	2719
-17.5°	343	439	538	637	750	868	1003	1197	1470	1884	2510
-20°	343	438	535	626	742	853	983	1159	1403	1752	2258

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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°	339	435	531	617	727	838	958	1113	1317	1604	2012
-25°	333	429	524	612	711	819	927	1062	1241	1495	1834
-27.5°	321	421	513	603	694	798	900	1023	1179	1374	1646
-30°	305	408	499	589	679	776	874	978	1115	1285	1503
-32.5°	289	395	484	571	661	754	846	942	1059	1201	1371
-35°	278	377	467	550	639	729	817	907	1003	1129	1275
-37.5°	272	359	451	529	613	701	786	871	960	1059	1192
-40°	263	341	431	510	586	671	753	834	917	1015	1117
-42.5°	252	328	411	491	563	641	720	797	880	971	1066
-45°	241	312	391	466	539	612	687	760	841	927	1015
-47.5°	227	295	370	436	508	581	654	726	797	878	963
-50°	211	275	344	407	471	543	616	689	759	827	902
-52.5°	194	251	316	379	437	498	573	647	716	784	850
-55°	176	229	288	349	407	461	526	600	669	735	803
-57.5°	161	206	260	318	375	431	490	554	622	686	751
-60°	148	184	230	285	342	396	454	513	575	637	695
-62.5°	134	166	203	248	301	357	410	466	524	577	630
-65°	121	147	178	216	258	308	360	413	466	513	558
-67.5°	107	130	155	183	220	262	304	352	400	446	489
-70°	92	112	134	158	185	219	257	296	335	376	417
-72.5°	77	95	113	133	157	185	215	247	280	316	351
-75°	63	77	93	110	130	153	178	205	232	260	289
-77.5°	50	62	74	87	103	121	141	162	184	206	228
-80°	38	46	57	68	80	92	106	120	137	155	174
-82.5°	30	36	42	50	57	66	75	86	98	111	124
-85°	22	25	29	33	38	43	48	54	62	71	79
-87.5°	11	13	15	17	19	21	23	26	29	33	38
-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	3	3	2	2	4	5	5	5	6
60°	19	14	19	24	23	17	26	30	27	22	23
57.5°	51	55	63	74	81	86	93	101	106	109	112
55°	93	112	132	141	157	180	201	203	207	212	224
52.5°	150	172	182	199	230	249	259	276	294	312	327
50°	218	236	258	285	315	334	341	371	407	437	454
47.5°	286	310	350	399	425	446	476	515	555	598	632
45°	349	393	444	488	522	559	600	647	711	770	815
42.5°	421	471	522	573	610	673	744	800	891	970	1020
40°	506	555	628	691	767	846	969	1083	1198	1330	1427
37.5°	606	683	786	887	1000	1117	1337	1562	1745	2003	2146
35°	728	846	993	1142	1324	1606	1927	2361	2812	3188	3550
32.5°	868	1019	1222	1489	1795	2247	2729	3529	4308	5086	5850
30°	1006	1226	1535	1903	2405	3121	4029	5265	6603	7775	8836
27.5°	1190	1502	1903	2453	3308	4356	6033	7749	9454	10975	12068
25°	1412	1830	2399	3309	4543	6281	8529	10632	12633	14125	15381
22.5°	1734	2360	3167	4326	6566	8984	11673	14320	16567	18447	19685
20°	2131	2979	4328	6428	9063	12086	15548	18332	21099	23214	25104
17.5°	2693	4044	5949	8616	11764	15797	19361	22466	25979	28141	30069
15°	3199	4935	7651	11053	14742	19017	23220	27022	30414	32790	34945
12.5°	3839	5882	9004	13007	17041	21800	26170	30241	33563	36008	37515
10°	4413	6853	10357	14542	19059	24031	28559	32797	36014	37904	39013
7.5°	4875	7660	11452	15857	20624	25629	30413	34619	37697	39278	40035
5°	5234	8258	12310	16934	21886	27007	31889	36006	38599	39906	40329
2.5°	5503	8675	12887	17643	22738	28024	33009	37066	39279	40222	40362
0°	5685	8968	13263	18089	23468	28389	33615	37735	39839	40596	40669
-2.5°	5642	8862	13246	17927	23384	28553	33712	37778	40029	41047	41212
-5°	5527	8613	12807	17469	22719	27895	32816	37109	39872	41409	42089
-7.5°	5306	8182	12056	16592	21642	26823	31841	36295	39474	41636	42967
-10°	4928	7552	11095	15483	20460	25396	30357	34980	38404	41006	42860
-12.5°	4413	6698	9923	13912	18915	23524	28221	32651	36388	39596	41513
-15°	3882	5809	8706	12355	16711	21250	25589	29936	33625	36625	39015
-17.5°	3503	5030	7295	10490	14314	18620	22854	26847	30175	32996	35503
-20°	3024	4158	5952	8638	12005	15769	19825	23378	26351	28995	31390



REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	2643	3561	4857	6689	9713	13034	16351	19623	22417	24772	26816
-25°	2296	2941	3954	5444	7410	10278	13073	15835	18416	20605	22446
-27.5°	2024	2537	3212	4273	5765	7439	9888	12197	14415	16417	18153
-30°	1777	2161	2689	3353	4368	5611	7084	8810	10579	12159	13737
-32.5°	1599	1873	2236	2728	3297	4187	5077	6239	7359	8511	9643
-35°	1440	1660	1907	2236	2626	3145	3732	4442	5041	5795	6490
-37.5°	1330	1485	1674	1882	2161	2450	2848	3279	3650	4070	4424
-40°	1240	1361	1489	1629	1821	2017	2273	2515	2751	3007	3198
-42.5°	1164	1261	1353	1462	1575	1732	1904	2055	2198	2349	2474
-45°	1104	1177	1251	1335	1421	1535	1657	1769	1863	1946	2015
-47.5°	1040	1105	1170	1235	1309	1392	1472	1544	1621	1686	1734
-50°	976	1041	1100	1157	1220	1285	1348	1406	1461	1510	1539
-52.5°	915	982	1040	1092	1146	1199	1251	1303	1351	1394	1414
-55°	868	930	989	1035	1081	1126	1172	1221	1266	1308	1320
-57.5°	817	879	936	979	1021	1061	1105	1150	1193	1232	1244
-60°	758	823	873	913	956	1000	1041	1082	1122	1155	1169
-62.5°	687	746	792	832	870	906	951	994	1035	1070	1090
-65°	604	654	698	739	776	811	853	892	930	960	981
-67.5°	530	570	607	642	678	715	753	790	826	852	869
-70°	457	494	529	562	594	626	657	689	719	742	759
-72.5°	386	419	448	478	507	535	562	589	615	635	652
-75°	319	347	372	397	422	444	465	486	506	523	538
-77.5°	251	274	296	317	338	356	372	388	403	418	431
-80°	193	209	225	241	257	270	283	295	307	318	328
-82.5°	138	149	159	170	181	190	199	208	216	225	232
-85°	88	94	100	106	111	117	123	128	133	138	143
-87.5°	42	45	47	50	53	55	58	61	63	66	68
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	7	7	7	7	7	7	7	6	5	5	5
60°	23	22	22	22	22	22	23	23	22	27	30
57.5°	110	102	95	87	95	102	110	112	109	106	101
55°	238	251	257	255	257	251	238	224	212	207	203
52.5°	338	344	343	335	343	344	338	327	312	294	276
50°	462	463	459	451	459	463	462	454	437	407	371
47.5°	649	659	663	662	663	659	649	632	598	555	515
45°	832	842	846	844	846	842	832	815	770	711	647
42.5°	1047	1063	1068	1063	1068	1063	1047	1020	970	891	800
40°	1483	1502	1493	1470	1493	1502	1483	1427	1330	1198	1083
37.5°	2247	2320	2350	2351	2350	2320	2247	2146	2003	1745	1562
35°	3876	4135	4254	4106	4254	4135	3876	3550	3188	2812	2361
32.5°	6473	6933	7192	7192	7192	6933	6473	5850	5086	4308	3529
30°	9638	10214	10537	10606	10537	10214	9638	8836	7775	6603	5265
27.5°	12920	13515	13825	13780	13825	13515	12920	12068	10975	9454	7749
25°	16214	16664	16924	16932	16924	16664	16214	15381	14125	12633	10632
22.5°	21079	22027	22418	22522	22418	22027	21079	19685	18447	16567	14320
20°	26383	27302	27895	27930	27895	27302	26383	25104	23214	21099	18332
17.5°	31436	31892	31976	32014	31976	31892	31436	30069	28141	25979	22466
15°	36199	36359	36780	36833	36780	36359	36199	34945	32790	30414	27022
12.5°	38462	38608	38535	38340	38535	38608	38462	37515	36008	33563	30241
10°	39694	39488	39182	38813	39182	39488	39694	39013	37904	36014	32797
7.5°	39974	39745	39204	38667	39204	39745	39974	40035	39278	37697	34619
5°	40106	39434	38751	38100	38751	39434	40106	40329	39906	38599	36006
2.5°	40028	39228	38290	37590	38290	39228	40028	40362	40222	39279	37066
0°	40283	39475	38492	38231	38492	39475	40283	40669	40596	39839	37735
-2.5°	40994	40339	39826	39686	39826	40339	40994	41212	41047	40029	37778
-5°	42274	42129	41258	41462	41258	42129	42274	42089	41409	39872	37109
-7.5°	43509	43305	42936	43413	42936	43305	43509	42967	41636	39474	36295
-10°	43838	43771	43943	44367	43943	43771	43838	42860	41006	38404	34980
-12.5°	42831	43359	43950	44396	43950	43359	42831	41513	39596	36388	32651
-15°	40585	41665	42549	42969	42549	41665	40585	39015	36625	33625	29936
-17.5°	37277	38601	39650	39948	39650	38601	37277	35503	32996	30175	26847
-20°	33205	34552	35506	35887	35506	34552	33205	31390	28995	26351	23378

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	28622	29937	30802	31257	30802	29937	28622	26816	24772	22417	19623
-25°	23971	25127	25894	26096	25894	25127	23971	22446	20605	18416	15835
-27.5°	19523	20453	21018	21081	21018	20453	19523	18153	16417	14415	12197
-30°	15049	15912	16402	16662	16402	15912	15049	13737	12159	10579	8810
-32.5°	10569	11254	11669	11778	11669	11254	10569	9643	8511	7359	6239
-35°	7047	7473	7736	7789	7736	7473	7047	6490	5795	5041	4442
-37.5°	4712	4920	5047	5110	5047	4920	4712	4424	4070	3650	3279
-40°	3338	3436	3490	3501	3490	3436	3338	3198	3007	2751	2515
-42.5°	2553	2603	2628	2635	2628	2603	2553	2474	2349	2198	2055
-45°	2063	2098	2119	2126	2119	2098	2063	2015	1946	1863	1769
-47.5°	1765	1787	1801	1805	1801	1787	1765	1734	1686	1621	1544
-50°	1557	1569	1575	1572	1575	1569	1557	1539	1510	1461	1406
-52.5°	1426	1434	1437	1434	1437	1434	1426	1414	1394	1351	1303
-55°	1329	1335	1335	1332	1335	1335	1329	1320	1308	1266	1221
-57.5°	1254	1262	1260	1252	1260	1262	1254	1244	1232	1193	1150
-60°	1180	1189	1190	1187	1190	1189	1180	1169	1155	1122	1082
-62.5°	1107	1122	1124	1121	1124	1122	1107	1090	1070	1035	994
-65°	1001	1019	1019	1012	1019	1019	1001	981	960	930	892
-67.5°	885	897	898	895	898	897	885	869	852	826	790
-70°	775	789	789	786	789	789	775	759	742	719	689
-72.5°	667	680	683	684	683	680	667	652	635	615	589
-75°	552	565	564	561	564	565	552	538	523	506	486
-77.5°	444	456	455	451	455	456	444	431	418	403	388
-80°	338	348	345	342	345	348	338	328	318	307	295
-82.5°	240	246	244	240	244	246	240	232	225	216	208
-85°	148	152	153	153	153	152	148	143	138	133	128
-87.5°	70	73	69	66	69	73	70	68	66	63	61
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	4	2	2	3	3	2	2	3	2	1	3
60°	26	17	23	24	19	14	19	17	7	6	5
57.5°	93	86	81	74	63	55	51	48	43	26	10
55°	201	180	157	141	132	112	93	81	75	61	41
52.5°	259	249	230	199	182	172	150	128	108	93	74
50°	341	334	315	285	258	236	218	187	159	136	111
47.5°	476	446	425	399	350	310	286	260	220	188	158
45°	600	559	522	488	444	393	349	314	278	240	210
42.5°	744	673	610	573	522	471	421	376	329	288	254
40°	969	846	767	691	628	555	506	452	395	337	301
37.5°	1337	1117	1000	887	786	683	606	540	472	405	353
35°	1927	1606	1324	1142	993	846	728	640	559	483	410
32.5°	2729	2247	1795	1489	1222	1019	868	753	641	557	481
30°	4029	3121	2405	1903	1535	1226	1006	856	726	623	547
27.5°	6033	4356	3308	2453	1903	1502	1190	963	807	689	603
25°	8529	6281	4543	3309	2399	1830	1412	1114	903	753	664
22.5°	11673	8984	6566	4326	3167	2360	1734	1268	1008	858	742
20°	15548	12086	9063	6428	4328	2979	2131	1534	1193	985	827
17.5°	19361	15797	11764	8616	5949	4044	2693	1872	1372	1113	916
15°	23220	19017	14742	11053	7651	4935	3199	2200	1577	1255	1018
12.5°	26170	21800	17041	13007	9004	5882	3839	2619	1836	1373	1092
10°	28559	24031	19059	14542	10357	6853	4413	2932	2022	1469	1155
7.5°	30413	25629	20624	15857	11452	7660	4875	3176	2168	1553	1206
5°	31889	27007	21886	16934	12310	8258	5234	3364	2275	1625	1246
2.5°	33009	28024	22738	17643	12887	8675	5503	3523	2363	1693	1283
0°	33615	28389	23468	18089	13263	8968	5685	3647	2424	1747	1310
-2.5°	33712	28553	23384	17927	13246	8862	5642	3622	2433	1764	1330
-5°	32816	27895	22719	17469	12807	8613	5527	3547	2413	1762	1338
-7.5°	31841	26823	21642	16592	12056	8182	5306	3426	2373	1744	1333
-10°	30357	25396	20460	15483	11095	7552	4928	3244	2295	1702	1316
-12.5°	28221	23524	18915	13912	9923	6698	4413	3009	2178	1637	1287
-15°	25589	21250	16711	12355	8706	5809	3882	2719	2021	1550	1246
-17.5°	22854	18620	14314	10490	7295	5030	3503	2510	1884	1470	1197
-20°	19825	15769	12005	8638	5952	4158	3024	2258	1752	1403	1159

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REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	16351	13034	9713	6689	4857	3561	2643	2012	1604	1317	1113
-25°	13073	10278	7410	5444	3954	2941	2296	1834	1495	1241	1062
-27.5°	9888	7439	5765	4273	3212	2537	2024	1646	1374	1179	1023
-30°	7084	5611	4368	3353	2689	2161	1777	1503	1285	1115	978
-32.5°	5077	4187	3297	2728	2236	1873	1599	1371	1201	1059	942
-35°	3732	3145	2626	2236	1907	1660	1440	1275	1129	1003	907
-37.5°	2848	2450	2161	1882	1674	1485	1330	1192	1059	960	871
-40°	2273	2017	1821	1629	1489	1361	1240	1117	1015	917	834
-42.5°	1904	1732	1575	1462	1353	1261	1164	1066	971	880	797
-45°	1657	1535	1421	1335	1251	1177	1104	1015	927	841	760
-47.5°	1472	1392	1309	1235	1170	1105	1040	963	878	797	726
-50°	1348	1285	1220	1157	1100	1041	976	902	827	759	689
-52.5°	1251	1199	1146	1092	1040	982	915	850	784	716	647
-55°	1172	1126	1081	1035	989	930	868	803	735	669	600
-57.5°	1105	1061	1021	979	936	879	817	751	686	622	554
-60°	1041	1000	956	913	873	823	758	695	637	575	513
-62.5°	951	906	870	832	792	746	687	630	577	524	466
-65°	853	811	776	739	698	654	604	558	513	466	413
-67.5°	753	715	678	642	607	570	530	489	446	400	352
-70°	657	626	594	562	529	494	457	417	376	335	296
-72.5°	562	535	507	478	448	419	386	351	316	280	247
-75°	465	444	422	397	372	347	319	289	260	232	205
-77.5°	372	356	338	317	296	274	251	228	206	184	162
-80°	283	270	257	241	225	209	193	174	155	137	120
-82.5°	199	190	181	170	159	149	138	124	111	98	86
-85°	123	117	111	106	100	94	88	79	71	62	54
-87.5°	58	55	53	50	47	45	42	38	33	29	26
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627526 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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	2	2	2	0	1	1	0	0
65°	2	2	0	2	4	5	4	2	2	2	0
62.5°	4	6	4	3	4	6	7	5	4	3	1
60°	5	7	7	6	5	6	7	7	5	5	3
57.5°	9	8	8	8	7	7	7	7	7	6	5
55°	19	13	11	10	8	7	7	7	7	7	7
52.5°	50	27	17	14	11	8	8	7	7	7	7
50°	85	57	32	20	15	12	9	8	7	7	8
47.5°	125	91	59	32	22	15	12	10	7	7	8
45°	172	130	90	56	31	24	15	12	9	8	9
42.5°	223	176	128	80	53	36	18	15	11	8	9
40°	268	226	168	117	76	50	30	17	13	9	10
37.5°	312	272	216	154	102	70	45	20	17	12	10
35°	360	315	263	195	135	89	61	27	21	15	11
32.5°	406	355	300	236	168	107	77	43	26	17	11
30°	464	393	335	274	201	135	93	58	32	20	12
27.5°	522	428	368	306	235	163	111	72	39	24	14
25°	578	475	399	335	266	193	130	85	49	29	17
22.5°	635	525	429	362	296	221	152	100	60	35	19
20°	696	573	458	395	324	248	176	115	70	41	21
17.5°	761	624	507	427	350	272	198	131	79	47	24
15°	828	677	553	459	376	293	219	147	86	54	27
12.5°	886	724	593	491	401	313	237	163	93	60	32
10°	936	766	629	522	425	329	254	177	105	65	37
7.5°	979	802	660	551	447	348	267	189	117	70	43
5°	1014	832	683	572	466	369	279	198	130	74	48
2.5°	1042	855	700	590	482	390	290	205	142	77	53
0°	1063	873	713	604	495	408	298	211	153	80	58
-2.5°	1072	886	734	615	512	417	309	222	160	90	60
-5°	1075	894	750	624	526	423	317	232	166	100	62
-7.5°	1076	897	758	631	537	427	324	240	171	109	63
-10°	1071	897	761	639	540	432	330	247	175	115	64
-12.5°	1057	891	760	643	541	436	337	251	179	120	65
-15°	1034	882	756	642	540	439	341	254	180	122	66
-17.5°	1003	868	750	637	538	439	343	253	181	121	68
-20°	983	853	742	626	535	438	343	250	180	120	71

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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°	958	838	727	617	531	435	339	244	178	118	73
-25°	927	819	711	612	524	429	333	235	174	116	74
-27.5°	900	798	694	603	513	421	321	229	169	113	74
-30°	874	776	679	589	499	408	305	223	164	111	72
-32.5°	846	754	661	571	484	395	289	214	159	110	71
-35°	817	729	639	550	467	377	278	203	154	107	69
-37.5°	786	701	613	529	451	359	272	200	149	102	67
-40°	753	671	586	510	431	341	263	196	143	96	64
-42.5°	720	641	563	491	411	328	252	190	136	91	61
-45°	687	612	539	466	391	312	241	181	127	87	59
-47.5°	654	581	508	436	370	295	227	170	118	83	57
-50°	616	543	471	407	344	275	211	157	113	79	55
-52.5°	573	498	437	379	316	251	194	143	107	76	52
-55°	526	461	407	349	288	229	176	135	100	72	49
-57.5°	490	431	375	318	260	206	161	125	94	67	47
-60°	454	396	342	285	230	184	148	115	87	62	44
-62.5°	410	357	301	248	203	166	134	105	79	58	41
-65°	360	308	258	216	178	147	121	95	72	53	38
-67.5°	304	262	220	183	155	130	107	84	64	47	34
-70°	257	219	185	158	134	112	92	72	55	41	30
-72.5°	215	185	157	133	113	95	77	60	47	35	26
-75°	178	153	130	110	93	77	63	50	38	29	23
-77.5°	141	121	103	87	74	62	50	38	31	25	20
-80°	106	92	80	68	57	46	38	31	26	22	18
-82.5°	75	66	57	50	42	36	30	25	22	18	15
-85°	48	43	38	33	29	25	22	18	15	12	10
-87.5°	23	21	19	17	15	13	11	9	8	6	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4E-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	2	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	3	3	2	0	0	0
62.5°	1	3	4	2	0	0	0
60°	1	3	5	3	0	0	0
57.5°	3	3	5	4	1	0	0
55°	4	3	5	5	1	0	0
52.5°	5	4	5	5	2	0	0
50°	6	5	5	6	2	0	0
47.5°	7	5	6	7	3	0	0
45°	8	6	6	7	3	0	0
42.5°	9	6	6	7	3	0	0
40°	9	7	6	7	4	0	0
37.5°	10	7	7	7	4	0	0
35°	11	8	7	7	5	0	0
32.5°	12	9	7	7	5	0	0
30°	13	9	7	7	5	0	0
27.5°	13	10	7	7	6	0	0
25°	14	11	7	7	6	0	0
22.5°	14	12	7	7	6	0	0
20°	14	12	7	7	6	0	0
17.5°	15	13	7	7	7	0	0
15°	16	13	7	7	7	0	0
12.5°	17	14	7	7	7	0	0
10°	18	14	7	7	7	0	0
7.5°	19	14	7	7	7	0	0
5°	20	14	7	7	7	0	0
2.5°	21	15	7	7	7	0	0
0°	22	15	7	7	7	0	0
-2.5°	26	15	8	7	7	0	0
-5°	29	16	9	7	7	0	0
-7.5°	33	17	9	7	7	0	0
-10°	36	17	10	7	7	1	0
-12.5°	38	18	10	7	7	1	0
-15°	40	18	11	7	7	1	0
-17.5°	41	18	11	7	7	1	0
-20°	41	19	11	7	7	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	42	19	11	7	7	1	0
-25°	42	20	11	7	7	1	0
-27.5°	41	21	11	7	6	1	0
-30°	40	22	11	7	6	2	0
-32.5°	39	23	11	7	6	2	0
-35°	40	24	12	7	6	2	0
-37.5°	40	24	12	7	6	2	0
-40°	40	24	12	7	6	2	0
-42.5°	40	24	12	7	6	2	0
-45°	39	24	13	8	6	2	0
-47.5°	38	24	13	8	6	2	0
-50°	37	23	13	8	6	2	0
-52.5°	35	22	13	9	6	2	0
-55°	34	22	13	9	6	2	0
-57.5°	32	21	13	9	6	2	0
-60°	30	20	13	9	6	2	0
-62.5°	29	19	12	9	6	1	0
-65°	26	17	12	9	6	1	0
-67.5°	24	16	12	9	5	1	0
-70°	21	16	12	9	5	1	0
-72.5°	19	15	11	8	4	1	0
-75°	18	14	11	7	4	1	0
-77.5°	16	13	9	6	3	1	0
-80°	15	11	7	5	2	1	0
-82.5°	11	8	6	4	2	0	0
-85°	8	6	4	2	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)