

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: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627646 (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-SA5C-740-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28118.1 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 39393.2 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 18833.4 lumens  
Beam Efficiency: 67.0%

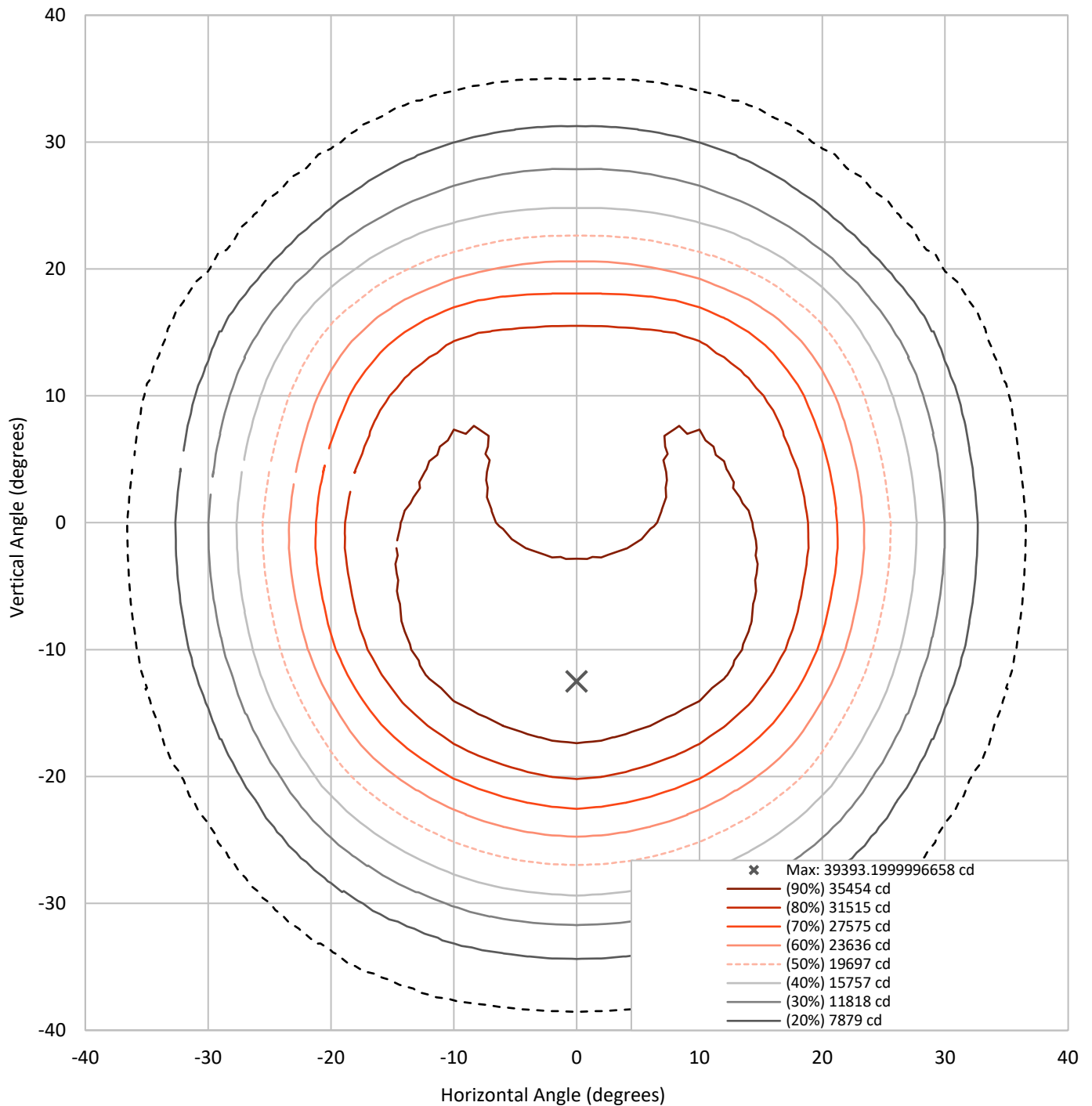
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 25344.2 lumens  
Field Efficiency: 90.1%

Input Watts (W): 206.1  
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



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Iso-Candela Plot





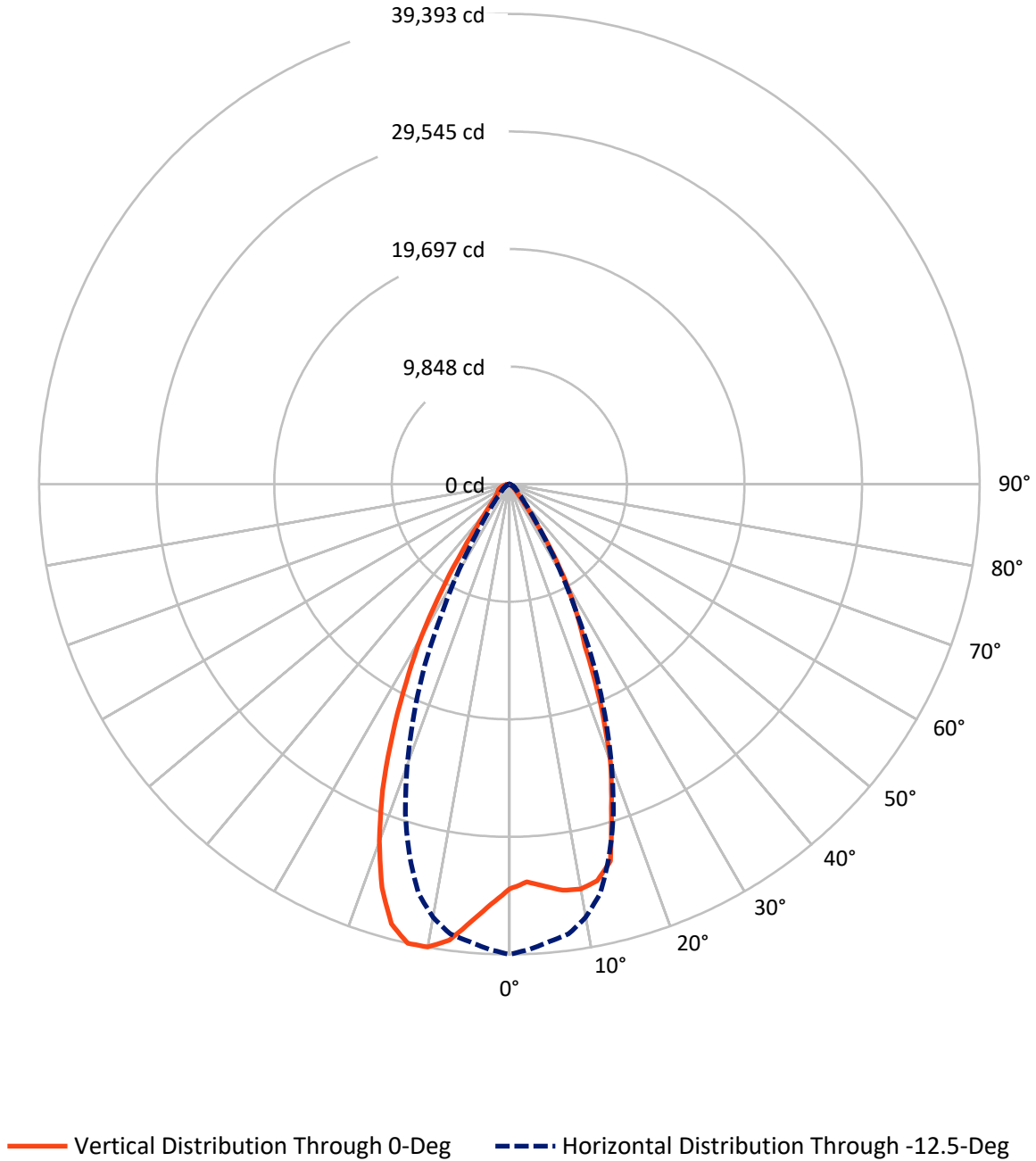
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### Lumen Table

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	5.4	6.2	6.2	5.4	3.9	2.3	0.9	0.2		0.1			
40	0.2	0.2	1.1	4.0	7.9	12.9	19.3	23.6	23.6	19.3	12.9	7.9	4.0	1.1	0.2	0.2			
30		0.5	3.1	8.1	16.9	36.5	83.0	126.7	126.7	83.0	36.5	16.9	8.1	3.1	0.5				
20	0.3	1.1	5.2	13.1	35.3	130.7	336.6	470.5	470.5	336.6	130.7	35.3	13.1	5.2	1.1	0.3			
10		1.9	7.3	20.3	83.9	363.0	757.2	937.6	937.6	757.2	363.0	83.9	20.3	7.3	1.9				
0	0.6	2.5	9.1	26.2	133.7	534.5	976.3	1058.5	1058.5	976.3	534.5	133.7	26.2	9.1	2.5	0.6			
-10		2.9	10.0	28.0	139.9	552.1	1011.5	1123.4	1123.4	1011.5	552.1	139.9	28.0	10.0	2.9				
-20	0.8	3.1	10.2	25.5	100.1	411.0	853.3	1089.5	1089.5	853.3	411.0	100.1	25.5	10.2	3.1	0.8			
-30		3.0	9.7	21.2	55.9	199.4	475.5	669.1	669.1	475.5	199.4	55.9	21.2	9.7	3.0				
-40	0.7	2.6	8.6	17.6	33.4	71.0	148.6	220.4	220.4	148.6	71.0	33.4	17.6	8.6	2.6	0.7			
-50		2.2	7.2	14.7	24.4	36.0	50.7	60.1	60.1	50.7	36.0	24.4	14.7	7.2	2.2				
-60	0.5	1.7	5.4	11.5	19.2	26.5	33.1	36.3	36.3	33.1	26.5	19.2	11.5	5.4	1.7	0.5			
-70		1.1	3.5	7.9	13.5	19.0	24.1	26.9	26.9	24.1	19.0	13.5	7.9	3.5	1.1				
-80	0.2	3.1	14.1	30.2	38.7	30.2	14.1	3.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

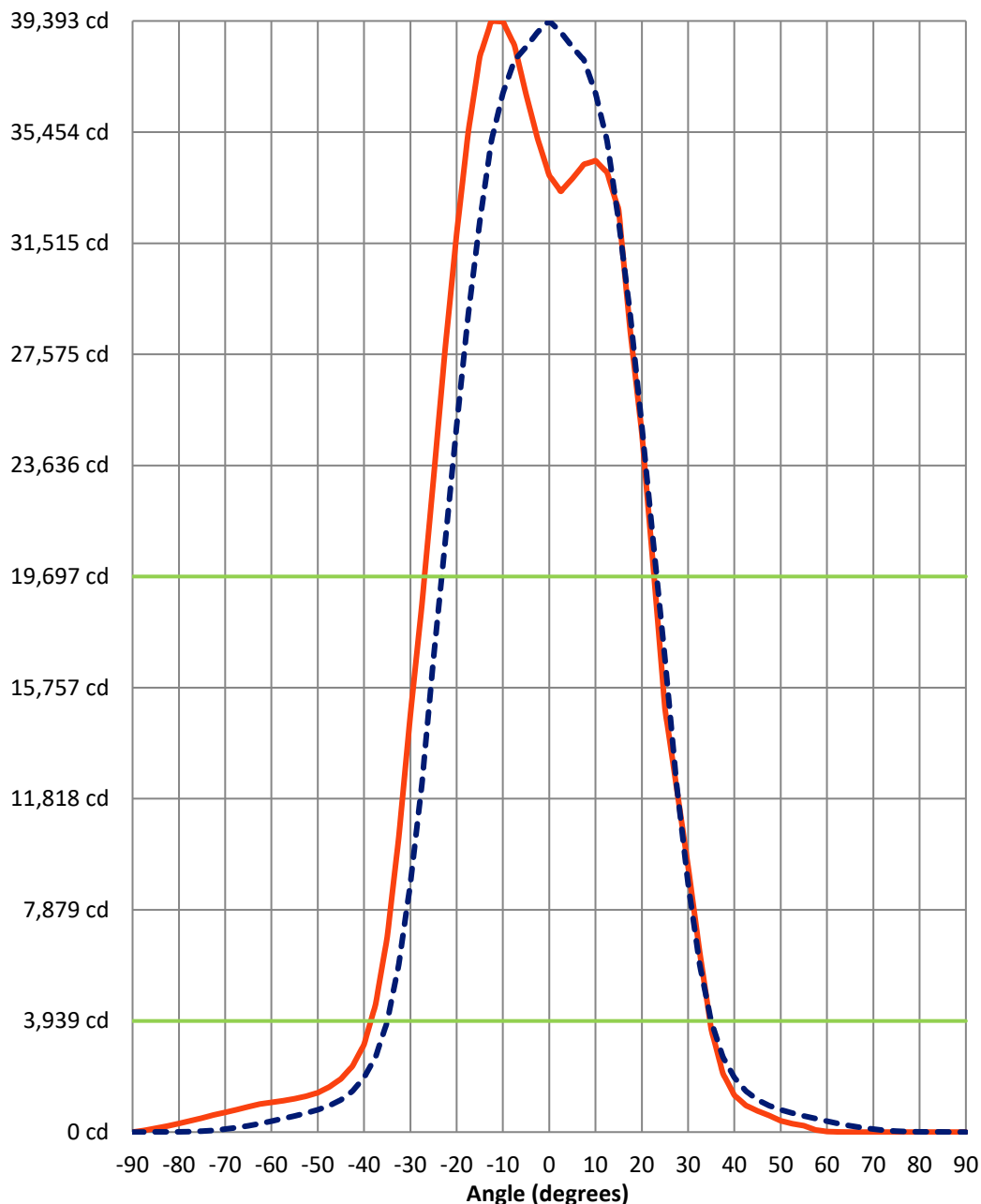
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 18833.4  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 25344.2  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2773.9  
 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	2	5	5	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	6	5	6	8	8	7	10	13
40°	0	0	3	7	6	6	8	9	8	12	15
37.5°	0	0	4	7	6	6	9	9	10	15	18
35°	0	0	4	7	6	7	10	10	13	18	24
32.5°	0	0	4	7	6	8	11	10	15	23	39
30°	0	0	5	7	6	8	11	11	18	28	52
27.5°	0	0	5	7	7	9	12	13	21	34	64
25°	0	0	5	7	7	10	12	15	26	44	75
22.5°	0	0	6	7	7	10	12	17	31	53	88
20°	0	0	6	7	7	11	13	19	37	62	102
17.5°	0	0	6	7	7	11	13	21	42	70	116
15°	0	0	6	7	7	12	14	24	48	77	130
12.5°	0	0	6	7	7	12	15	29	53	83	144
10°	0	0	6	7	7	12	16	33	58	93	157
7.5°	0	0	6	7	7	13	17	38	62	104	167
5°	0	0	6	7	7	13	18	43	66	115	176
2.5°	0	0	6	7	7	13	18	47	68	126	182
0°	0	0	7	7	7	13	19	52	71	136	187
-2.5°	0	0	6	7	7	14	23	54	80	142	197
-5°	0	0	6	7	8	14	26	55	89	147	206
-7.5°	0	0	6	7	8	15	29	56	96	151	213
-10°	0	1	6	7	9	15	32	57	102	155	219
-12.5°	0	1	6	7	9	16	34	58	107	159	223
-15°	0	1	6	7	9	16	35	59	108	160	225
-17.5°	0	1	6	7	10	16	36	61	108	160	225
-20°	0	1	6	7	10	17	37	63	106	160	222

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CATALOG NUMBER: GFLD-SA5C-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	37	65	105	158	217
-25°	0	1	6	7	10	18	37	65	103	154	208
-27.5°	0	1	6	7	10	19	37	65	100	150	204
-30°	0	1	6	7	10	20	36	64	99	146	197
-32.5°	0	1	6	7	10	21	35	63	97	141	190
-35°	0	2	5	7	10	21	35	61	95	137	180
-37.5°	0	2	5	7	11	21	36	59	91	132	177
-40°	0	2	5	7	11	21	36	57	85	127	174
-42.5°	0	2	5	7	11	21	35	54	81	120	169
-45°	0	2	5	7	11	21	34	52	77	113	161
-47.5°	0	2	5	7	12	21	33	51	74	104	151
-50°	0	2	5	7	12	20	32	49	70	100	139
-52.5°	0	2	5	8	12	20	31	46	67	95	127
-55°	0	2	6	8	12	19	30	43	64	89	119
-57.5°	0	1	6	8	12	19	29	41	60	83	111
-60°	0	1	6	8	11	18	27	39	55	77	102
-62.5°	0	1	5	8	11	17	25	37	52	70	94
-65°	0	1	5	8	11	16	23	34	47	64	84
-67.5°	0	1	5	8	11	15	21	30	42	57	75
-70°	0	1	4	8	10	14	19	27	37	49	64
-72.5°	0	1	4	7	10	13	17	23	31	42	54
-75°	0	1	3	6	10	12	16	20	26	34	44
-77.5°	0	1	3	5	8	11	14	18	22	27	34
-80°	0	1	2	4	7	10	13	16	19	23	28
-82.5°	0	0	2	3	5	7	10	13	16	19	23
-85°	0	0	1	2	3	5	7	9	11	14	16
-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





REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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	5	5	5	7	6	4	4	5	6	15
57.5°	7	6	6	7	7	7	8	9	23	39	43
55°	7	6	7	9	10	11	17	36	54	67	72
52.5°	7	7	10	12	15	24	45	66	83	96	114
50°	8	10	13	18	28	50	75	99	121	142	166
47.5°	11	14	19	28	52	81	111	140	167	195	231
45°	14	21	28	50	80	116	153	186	213	247	278
42.5°	16	32	47	71	113	156	198	225	256	292	334
40°	27	44	68	104	149	201	237	267	299	350	401
37.5°	40	62	90	137	192	241	277	313	360	419	479
35°	54	79	120	173	233	279	319	364	428	496	568
32.5°	69	95	149	209	266	315	360	426	494	569	668
30°	83	120	178	243	297	348	412	485	552	644	760
27.5°	98	145	208	272	327	380	463	535	611	716	855
25°	115	171	236	298	354	422	513	589	668	801	988
22.5°	135	196	263	322	380	466	564	658	762	894	1125
20°	156	220	287	350	407	508	618	734	874	1058	1361
17.5°	176	241	311	379	450	554	676	813	987	1217	1661
15°	194	260	334	408	490	600	734	903	1114	1400	1952
12.5°	210	277	356	436	526	642	786	969	1218	1629	2324
10°	225	292	377	463	558	679	831	1025	1303	1794	2601
7.5°	237	309	397	488	586	712	869	1070	1378	1924	2818
5°	248	328	414	508	606	738	900	1105	1442	2019	2985
2.5°	257	346	428	523	621	759	925	1139	1503	2097	3126
0°	265	362	439	536	633	775	943	1163	1550	2151	3236
-2.5°	274	370	454	546	651	786	952	1180	1566	2158	3214
-5°	282	376	467	554	665	793	954	1187	1564	2142	3147
-7.5°	288	379	476	560	673	796	955	1183	1547	2106	3040
-10°	293	383	480	567	675	796	950	1168	1510	2036	2878
-12.5°	299	387	480	571	674	791	937	1142	1453	1932	2670
-15°	303	389	480	570	671	782	917	1106	1375	1793	2412
-17.5°	305	390	478	565	666	770	890	1062	1304	1671	2228
-20°	304	389	475	556	658	757	872	1028	1245	1555	2003

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CATALOG NUMBER: GFLD-SA5C-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°	301	386	471	548	645	743	850	987	1169	1423	1785
-25°	295	381	465	543	631	727	823	943	1101	1326	1627
-27.5°	285	373	455	535	615	708	799	907	1046	1219	1460
-30°	271	362	443	523	602	689	775	868	989	1140	1334
-32.5°	257	350	429	507	587	669	751	836	940	1065	1217
-35°	247	335	415	488	567	647	725	805	890	1001	1131
-37.5°	241	319	400	469	544	622	697	773	852	940	1057
-40°	233	302	383	453	520	596	669	740	813	901	991
-42.5°	223	291	365	436	500	569	639	707	781	862	946
-45°	214	277	347	413	478	543	610	674	746	822	901
-47.5°	202	261	328	387	451	515	580	645	708	779	855
-50°	187	244	305	361	418	482	547	612	674	734	800
-52.5°	172	222	281	336	388	442	508	574	636	696	754
-55°	156	203	255	310	361	409	466	533	594	652	713
-57.5°	143	182	230	282	333	382	435	491	552	608	667
-60°	131	164	204	253	303	352	403	455	510	565	617
-62.5°	119	147	180	220	267	316	364	413	465	512	559
-65°	108	130	158	192	229	273	319	366	413	455	495
-67.5°	95	115	137	163	195	232	269	312	355	396	434
-70°	82	100	119	140	164	194	228	263	297	333	370
-72.5°	68	84	100	118	139	165	191	219	249	280	312
-75°	56	68	82	97	115	136	158	182	206	230	256
-77.5°	44	55	66	78	91	107	125	144	163	183	202
-80°	34	41	50	60	71	82	94	107	122	138	154
-82.5°	27	32	38	44	51	58	67	76	87	99	110
-85°	19	23	26	30	34	38	43	48	55	63	70
-87.5°	10	11	13	15	17	19	21	23	26	30	33
-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°	17	12	16	21	20	15	23	26	24	19	20
57.5°	45	49	56	65	72	77	82	89	94	97	100
55°	83	99	117	125	139	160	179	180	184	188	199
52.5°	133	152	161	177	204	221	230	245	261	276	290
50°	193	209	229	253	280	297	302	329	361	387	403
47.5°	254	275	311	354	377	396	423	457	493	531	560
45°	310	349	394	433	463	496	532	574	631	683	723
42.5°	374	418	463	509	541	597	660	710	791	861	905
40°	449	492	558	613	681	751	860	961	1063	1180	1266
37.5°	538	606	698	787	887	991	1186	1386	1549	1777	1904
35°	646	751	881	1014	1175	1425	1710	2095	2495	2829	3150
32.5°	770	905	1084	1322	1593	1994	2421	3131	3822	4513	5191
30°	893	1088	1362	1689	2134	2769	3575	4671	5859	6899	7840
27.5°	1056	1333	1689	2177	2935	3866	5354	6876	8388	9738	10708
25°	1253	1624	2128	2936	4031	5574	7568	9434	11209	12533	13648
22.5°	1538	2095	2810	3838	5826	7971	10358	12706	14700	16368	17467
20°	1891	2643	3841	5704	8041	10724	13796	16266	18722	20598	22275
17.5°	2390	3588	5278	7645	10438	14017	17179	19934	23052	24970	26680
15°	2839	4378	6789	9808	13081	16874	20604	23977	26987	29095	31007
12.5°	3406	5219	7990	11541	15121	19343	23221	26833	29781	31950	33288
10°	3915	6081	9190	12904	16911	21323	25341	29101	31956	33633	34617
7.5°	4326	6797	10162	14070	18300	22741	26986	30718	33449	34852	35524
5°	4644	7328	10923	15026	19420	23963	28295	31949	34249	35409	35785
2.5°	4883	7697	11435	15655	20176	24866	29290	32890	34852	35689	35814
0°	5044	7957	11768	16050	20824	25190	29827	33483	35350	36022	36086
-2.5°	5006	7863	11754	15907	20749	25335	29913	33521	35519	36421	36568
-5°	4904	7642	11364	15500	20159	24752	29118	32928	35379	36742	37346
-7.5°	4708	7260	10697	14723	19203	23801	28253	32205	35026	36944	38125
-10°	4373	6701	9844	13738	18154	22535	26937	31039	34076	36385	38031
-12.5°	3916	5943	8805	12345	16783	20873	25041	28971	32287	35134	36835
-15°	3445	5154	7725	10963	14828	18856	22706	26562	29836	32498	34619
-17.5°	3108	4463	6473	9308	12701	16522	20279	23821	26775	29278	31502
-20°	2683	3689	5281	7664	10652	13992	17591	20744	23381	25728	27853



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	2345	3159	4309	5935	8619	11565	14509	17412	19891	21981	23795
-25°	2038	2609	3508	4830	6575	9120	11600	14051	16340	18283	19917
-27.5°	1796	2251	2850	3791	5116	6600	8774	10822	12791	14567	16107
-30°	1577	1917	2386	2975	3875	4979	6286	7818	9387	10789	12189
-32.5°	1419	1662	1984	2421	2925	3715	4505	5536	6529	7552	8556
-35°	1278	1473	1692	1984	2330	2791	3311	3941	4473	5142	5759
-37.5°	1180	1318	1485	1670	1917	2174	2527	2909	3239	3612	3925
-40°	1100	1208	1321	1446	1616	1789	2017	2232	2441	2668	2838
-42.5°	1033	1119	1201	1297	1398	1537	1690	1824	1951	2084	2195
-45°	980	1044	1110	1185	1261	1362	1470	1570	1653	1727	1788
-47.5°	922	980	1039	1096	1162	1235	1306	1370	1439	1496	1538
-50°	866	924	976	1026	1083	1140	1196	1248	1296	1340	1366
-52.5°	812	871	923	969	1016	1064	1110	1156	1199	1237	1255
-55°	770	825	877	919	959	999	1040	1084	1124	1160	1172
-57.5°	724	780	831	869	906	942	980	1020	1059	1093	1104
-60°	672	731	775	810	848	888	924	960	995	1025	1038
-62.5°	610	662	703	738	772	804	844	882	919	949	967
-65°	536	581	620	656	688	720	757	792	825	852	871
-67.5°	470	506	538	570	602	634	668	701	733	756	771
-70°	406	439	469	499	527	555	583	611	638	658	674
-72.5°	343	371	398	424	450	475	499	523	546	563	578
-75°	283	308	330	353	374	394	413	431	449	464	477
-77.5°	223	243	262	282	300	316	330	344	358	371	383
-80°	171	185	199	214	228	240	251	262	272	282	291
-82.5°	123	132	141	151	160	169	177	185	192	199	206
-85°	78	83	89	94	99	104	109	114	118	123	127
-87.5°	37	39	42	44	47	49	52	54	56	58	60
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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	6	6	6	6	6	5	5	5	4
60°	20	19	19	19	19	19	20	20	19	24	26
57.5°	97	90	84	78	84	90	97	100	97	94	89
55°	211	223	228	226	228	223	211	199	188	184	180
52.5°	300	305	304	297	304	305	300	290	276	261	245
50°	410	410	407	401	407	410	410	403	387	361	329
47.5°	576	584	588	588	588	584	576	560	531	493	457
45°	738	747	750	749	750	747	738	723	683	631	574
42.5°	929	943	948	943	948	943	929	905	861	791	710
40°	1316	1333	1325	1305	1325	1333	1316	1266	1180	1063	961
37.5°	1994	2058	2086	2086	2086	2058	1994	1904	1777	1549	1386
35°	3439	3669	3775	3643	3775	3669	3439	3150	2829	2495	2095
32.5°	5744	6152	6381	6381	6381	6152	5744	5191	4513	3822	3131
30°	8552	9063	9350	9411	9350	9063	8552	7840	6899	5859	4671
27.5°	11465	11992	12267	12227	12267	11992	11465	10708	9738	8388	6876
25°	14387	14787	15017	15024	15017	14787	14387	13648	12533	11209	9434
22.5°	18704	19545	19891	19984	19891	19545	18704	17467	16368	14700	12706
20°	23410	24225	24751	24783	24751	24225	23410	22275	20598	18722	16266
17.5°	27893	28298	28373	28407	28373	28298	27893	26680	24970	23052	19934
15°	32120	32262	32635	32682	32635	32262	32120	31007	29095	26987	23977
12.5°	34127	34257	34193	34019	34193	34257	34127	33288	31950	29781	26833
10°	35221	35038	34766	34439	34766	35038	35221	34617	33633	31956	29101
7.5°	35469	35266	34786	34310	34786	35266	35469	35524	34852	33449	30718
5°	35587	34991	34384	33806	34384	34991	35587	35785	35409	34249	31949
2.5°	35517	34808	33976	33354	33976	34808	35517	35814	35689	34852	32890
0°	35744	35027	34155	33922	34155	35027	35744	36086	36022	35350	33483
-2.5°	36375	35794	35338	35214	35338	35794	36375	36568	36421	35519	33521
-5°	37510	37382	36608	36790	36608	37382	37510	37346	36742	35379	32928
-7.5°	38607	38425	38097	38521	38097	38425	38607	38125	36944	35026	32205
-10°	38898	38839	38992	39367	38992	38839	38898	38031	36385	34076	31039
-12.5°	38004	38473	38998	39393	38998	38473	38004	36835	35134	32287	28971
-15°	36012	36970	37754	38127	37754	36970	36012	34619	32498	29836	26562
-17.5°	33077	34251	35182	35447	35182	34251	33077	31502	29278	26775	23821
-20°	29463	30658	31505	31843	31505	30658	29463	27853	25728	23381	20744



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	25397	26563	27331	27735	27331	26563	25397	23795	21981	19891	17412
-25°	21270	22295	22976	23155	22976	22295	21270	19917	18283	16340	14051
-27.5°	17323	18148	18650	18705	18650	18148	17323	16107	14567	12791	10822
-30°	13353	14119	14554	14784	14554	14119	13353	12189	10789	9387	7818
-32.5°	9378	9986	10354	10451	10354	9986	9378	8556	7552	6529	5536
-35°	6253	6631	6864	6911	6864	6631	6253	5759	5142	4473	3941
-37.5°	4181	4365	4478	4534	4478	4365	4181	3925	3612	3239	2909
-40°	2962	3048	3097	3107	3097	3048	2962	2838	2668	2441	2232
-42.5°	2265	2309	2332	2338	2332	2309	2265	2195	2084	1951	1824
-45°	1831	1861	1880	1886	1880	1861	1831	1788	1727	1653	1570
-47.5°	1566	1586	1598	1602	1598	1586	1566	1538	1496	1439	1370
-50°	1381	1393	1397	1395	1397	1393	1381	1366	1340	1296	1248
-52.5°	1265	1273	1275	1272	1275	1273	1265	1255	1237	1199	1156
-55°	1179	1184	1185	1182	1185	1184	1179	1172	1160	1124	1084
-57.5°	1113	1120	1118	1111	1118	1120	1113	1104	1093	1059	1020
-60°	1047	1055	1056	1053	1056	1055	1047	1038	1025	995	960
-62.5°	983	995	997	995	997	995	983	967	949	919	882
-65°	888	904	904	898	904	904	888	871	852	825	792
-67.5°	785	796	797	795	797	796	785	771	756	733	701
-70°	687	700	700	698	700	700	687	674	658	638	611
-72.5°	591	603	606	607	606	603	591	578	563	546	523
-75°	490	501	500	497	500	501	490	477	464	449	431
-77.5°	394	405	403	401	403	405	394	383	371	358	344
-80°	300	308	307	304	307	308	300	291	282	272	262
-82.5°	213	219	216	213	216	219	213	206	199	192	185
-85°	131	135	135	136	135	135	131	127	123	118	114
-87.5°	62	64	61	58	61	64	62	60	58	56	54
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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	15	20	21	16	12	17	15	6	5	4
57.5°	82	77	72	65	56	49	45	43	39	23	9
55°	179	160	139	125	117	99	83	72	67	54	36
52.5°	230	221	204	177	161	152	133	114	96	83	66
50°	302	297	280	253	229	209	193	166	142	121	99
47.5°	423	396	377	354	311	275	254	231	195	167	140
45°	532	496	463	433	394	349	310	278	247	213	186
42.5°	660	597	541	509	463	418	374	334	292	256	225
40°	860	751	681	613	558	492	449	401	350	299	267
37.5°	1186	991	887	787	698	606	538	479	419	360	313
35°	1710	1425	1175	1014	881	751	646	568	496	428	364
32.5°	2421	1994	1593	1322	1084	905	770	668	569	494	426
30°	3575	2769	2134	1689	1362	1088	893	760	644	552	485
27.5°	5354	3866	2935	2177	1689	1333	1056	855	716	611	535
25°	7568	5574	4031	2936	2128	1624	1253	988	801	668	589
22.5°	10358	7971	5826	3838	2810	2095	1538	1125	894	762	658
20°	13796	10724	8041	5704	3841	2643	1891	1361	1058	874	734
17.5°	17179	14017	10438	7645	5278	3588	2390	1661	1217	987	813
15°	20604	16874	13081	9808	6789	4378	2839	1952	1400	1114	903
12.5°	23221	19343	15121	11541	7990	5219	3406	2324	1629	1218	969
10°	25341	21323	16911	12904	9190	6081	3915	2601	1794	1303	1025
7.5°	26986	22741	18300	14070	10162	6797	4326	2818	1924	1378	1070
5°	28295	23963	19420	15026	10923	7328	4644	2985	2019	1442	1105
2.5°	29290	24866	20176	15655	11435	7697	4883	3126	2097	1503	1139
0°	29827	25190	20824	16050	11768	7957	5044	3236	2151	1550	1163
-2.5°	29913	25335	20749	15907	11754	7863	5006	3214	2158	1566	1180
-5°	29118	24752	20159	15500	11364	7642	4904	3147	2142	1564	1187
-7.5°	28253	23801	19203	14723	10697	7260	4708	3040	2106	1547	1183
-10°	26937	22535	18154	13738	9844	6701	4373	2878	2036	1510	1168
-12.5°	25041	20873	16783	12345	8805	5943	3916	2670	1932	1453	1142
-15°	22706	18856	14828	10963	7725	5154	3445	2412	1793	1375	1106
-17.5°	20279	16522	12701	9308	6473	4463	3108	2228	1671	1304	1062
-20°	17591	13992	10652	7664	5281	3689	2683	2003	1555	1245	1028

Classified

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

Scaled Data Report



REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	14509	11565	8619	5935	4309	3159	2345	1785	1423	1169	987
-25°	11600	9120	6575	4830	3508	2609	2038	1627	1326	1101	943
-27.5°	8774	6600	5116	3791	2850	2251	1796	1460	1219	1046	907
-30°	6286	4979	3875	2975	2386	1917	1577	1334	1140	989	868
-32.5°	4505	3715	2925	2421	1984	1662	1419	1217	1065	940	836
-35°	3311	2791	2330	1984	1692	1473	1278	1131	1001	890	805
-37.5°	2527	2174	1917	1670	1485	1318	1180	1057	940	852	773
-40°	2017	1789	1616	1446	1321	1208	1100	991	901	813	740
-42.5°	1690	1537	1398	1297	1201	1119	1033	946	862	781	707
-45°	1470	1362	1261	1185	1110	1044	980	901	822	746	674
-47.5°	1306	1235	1162	1096	1039	980	922	855	779	708	645
-50°	1196	1140	1083	1026	976	924	866	800	734	674	612
-52.5°	1110	1064	1016	969	923	871	812	754	696	636	574
-55°	1040	999	959	919	877	825	770	713	652	594	533
-57.5°	980	942	906	869	831	780	724	667	608	552	491
-60°	924	888	848	810	775	731	672	617	565	510	455
-62.5°	844	804	772	738	703	662	610	559	512	465	413
-65°	757	720	688	656	620	581	536	495	455	413	366
-67.5°	668	634	602	570	538	506	470	434	396	355	312
-70°	583	555	527	499	469	439	406	370	333	297	263
-72.5°	499	475	450	424	398	371	343	312	280	249	219
-75°	413	394	374	353	330	308	283	256	230	206	182
-77.5°	330	316	300	282	262	243	223	202	183	163	144
-80°	251	240	228	214	199	185	171	154	138	122	107
-82.5°	177	169	160	151	141	132	123	110	99	87	76
-85°	109	104	99	94	89	83	78	70	63	55	48
-87.5°	52	49	47	44	42	39	37	33	30	26	23
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627646 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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	5	7	6	5	5	3
57.5°	8	7	7	7	6	6	7	7	6	5	5
55°	17	11	10	9	7	6	7	7	7	6	6
52.5°	45	24	15	12	10	7	7	7	7	6	7
50°	75	50	28	18	13	10	8	8	7	7	7
47.5°	111	81	52	28	19	14	11	9	7	7	7
45°	153	116	80	50	28	21	14	11	8	7	8
42.5°	198	156	113	71	47	32	16	13	10	7	8
40°	237	201	149	104	68	44	27	15	12	8	9
37.5°	277	241	192	137	90	62	40	18	15	10	9
35°	319	279	233	173	120	79	54	24	18	13	10
32.5°	360	315	266	209	149	95	69	39	23	15	10
30°	412	348	297	243	178	120	83	52	28	18	11
27.5°	463	380	327	272	208	145	98	64	34	21	13
25°	513	422	354	298	236	171	115	75	44	26	15
22.5°	564	466	380	322	263	196	135	88	53	31	17
20°	618	508	407	350	287	220	156	102	62	37	19
17.5°	676	554	450	379	311	241	176	116	70	42	21
15°	734	600	490	408	334	260	194	130	77	48	24
12.5°	786	642	526	436	356	277	210	144	83	53	29
10°	831	679	558	463	377	292	225	157	93	58	33
7.5°	869	712	586	488	397	309	237	167	104	62	38
5°	900	738	606	508	414	328	248	176	115	66	43
2.5°	925	759	621	523	428	346	257	182	126	68	47
0°	943	775	633	536	439	362	265	187	136	71	52
-2.5°	952	786	651	546	454	370	274	197	142	80	54
-5°	954	793	665	554	467	376	282	206	147	89	55
-7.5°	955	796	673	560	476	379	288	213	151	96	56
-10°	950	796	675	567	480	383	293	219	155	102	57
-12.5°	937	791	674	571	480	387	299	223	159	107	58
-15°	917	782	671	570	480	389	303	225	160	108	59
-17.5°	890	770	666	565	478	390	305	225	160	108	61
-20°	872	757	658	556	475	389	304	222	160	106	63

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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°	850	743	645	548	471	386	301	217	158	105	65
-25°	823	727	631	543	465	381	295	208	154	103	65
-27.5°	799	708	615	535	455	373	285	204	150	100	65
-30°	775	689	602	523	443	362	271	197	146	99	64
-32.5°	751	669	587	507	429	350	257	190	141	97	63
-35°	725	647	567	488	415	335	247	180	137	95	61
-37.5°	697	622	544	469	400	319	241	177	132	91	59
-40°	669	596	520	453	383	302	233	174	127	85	57
-42.5°	639	569	500	436	365	291	223	169	120	81	54
-45°	610	543	478	413	347	277	214	161	113	77	52
-47.5°	580	515	451	387	328	261	202	151	104	74	51
-50°	547	482	418	361	305	244	187	139	100	70	49
-52.5°	508	442	388	336	281	222	172	127	95	67	46
-55°	466	409	361	310	255	203	156	119	89	64	43
-57.5°	435	382	333	282	230	182	143	111	83	60	41
-60°	403	352	303	253	204	164	131	102	77	55	39
-62.5°	364	316	267	220	180	147	119	94	70	52	37
-65°	319	273	229	192	158	130	108	84	64	47	34
-67.5°	269	232	195	163	137	115	95	75	57	42	30
-70°	228	194	164	140	119	100	82	64	49	37	27
-72.5°	191	165	139	118	100	84	68	54	42	31	23
-75°	158	136	115	97	82	68	56	44	34	26	20
-77.5°	125	107	91	78	66	55	44	34	27	22	18
-80°	94	82	71	60	50	41	34	28	23	19	16
-82.5°	67	58	51	44	38	32	27	23	19	16	13
-85°	43	38	34	30	26	23	19	16	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-SA5C-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°	2	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	6	3	0	0
40°	8	6	6	7	3	0	0
37.5°	9	6	6	7	4	0	0
35°	10	7	6	7	4	0	0
32.5°	11	8	6	7	4	0	0
30°	11	8	6	7	5	0	0
27.5°	12	9	7	7	5	0	0
25°	12	10	7	7	5	0	0
22.5°	12	10	7	7	6	0	0
20°	13	11	7	7	6	0	0
17.5°	13	11	7	7	6	0	0
15°	14	12	7	7	6	0	0
12.5°	15	12	7	7	6	0	0
10°	16	12	7	7	6	0	0
7.5°	17	13	7	7	6	0	0
5°	18	13	7	7	6	0	0
2.5°	18	13	7	7	6	0	0
0°	19	13	7	7	7	0	0
-2.5°	23	14	7	7	6	0	0
-5°	26	14	8	7	6	0	0
-7.5°	29	15	8	7	6	0	0
-10°	32	15	9	7	6	1	0
-12.5°	34	16	9	7	6	1	0
-15°	35	16	9	7	6	1	0
-17.5°	36	16	10	7	6	1	0
-20°	37	17	10	7	6	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37	17	10	7	6	1	0
-25°	37	18	10	7	6	1	0
-27.5°	37	19	10	7	6	1	0
-30°	36	20	10	7	6	1	0
-32.5°	35	21	10	7	6	1	0
-35°	35	21	10	7	5	2	0
-37.5°	36	21	11	7	5	2	0
-40°	36	21	11	7	5	2	0
-42.5°	35	21	11	7	5	2	0
-45°	34	21	11	7	5	2	0
-47.5°	33	21	12	7	5	2	0
-50°	32	20	12	7	5	2	0
-52.5°	31	20	12	8	5	2	0
-55°	30	19	12	8	6	2	0
-57.5°	29	19	12	8	6	1	0
-60°	27	18	11	8	6	1	0
-62.5°	25	17	11	8	5	1	0
-65°	23	16	11	8	5	1	0
-67.5°	21	15	11	8	5	1	0
-70°	19	14	10	8	4	1	0
-72.5°	17	13	10	7	4	1	0
-75°	16	12	10	6	3	1	0
-77.5°	14	11	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)