

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: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-735-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-735-U-MR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

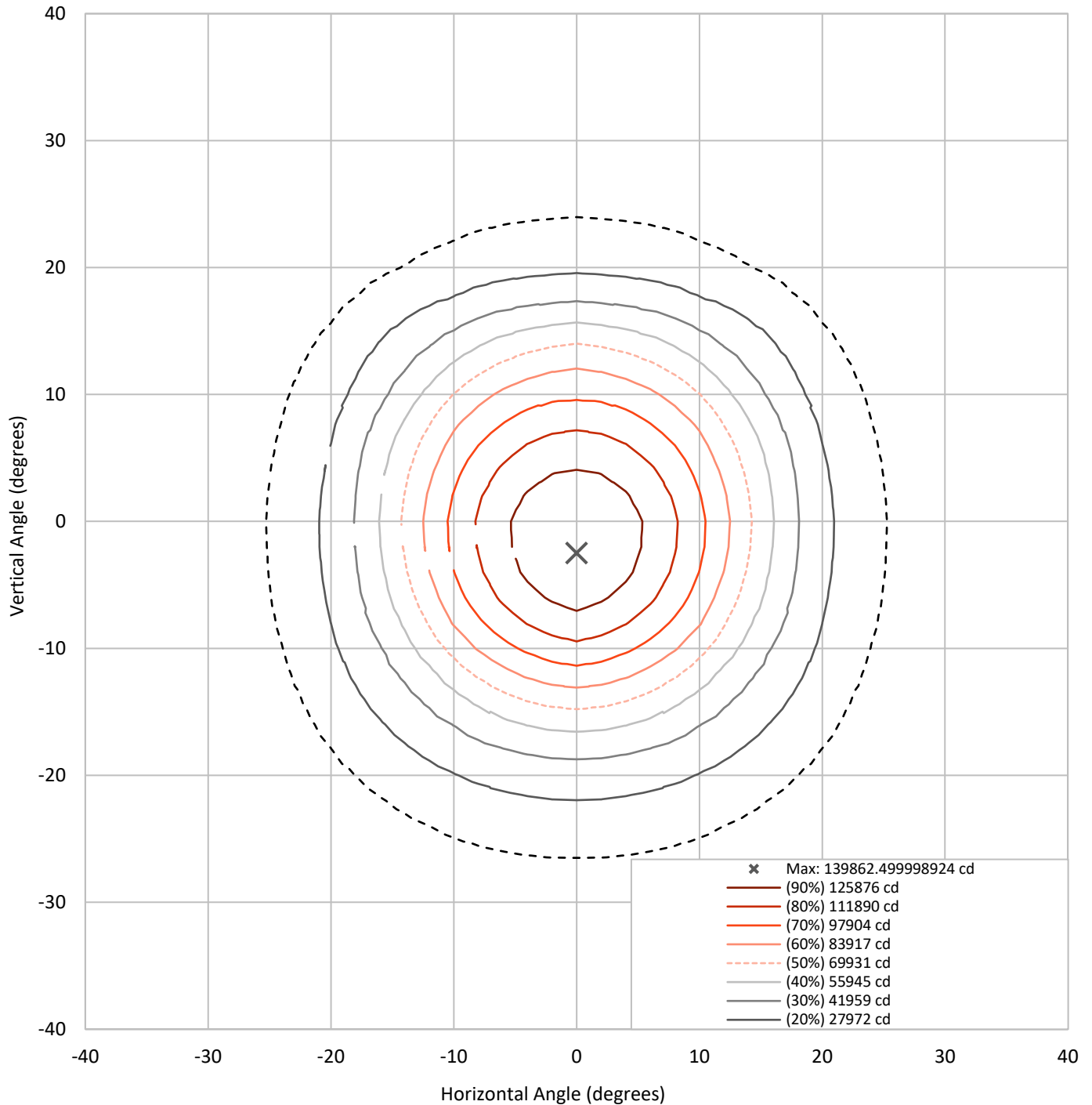
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	39668.1 lumens	Max Intensity:	139862.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	126.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	28.2°H x 28.7°V	Field Angle (10%):	50.2°H x 50.4°V
Beam Lumens:	19834.4 lumens	Field Lumens:	34082.3 lumens
Beam Efficiency:	50.0%	Field Efficiency:	85.9%
Input Watts (W):	313.7		
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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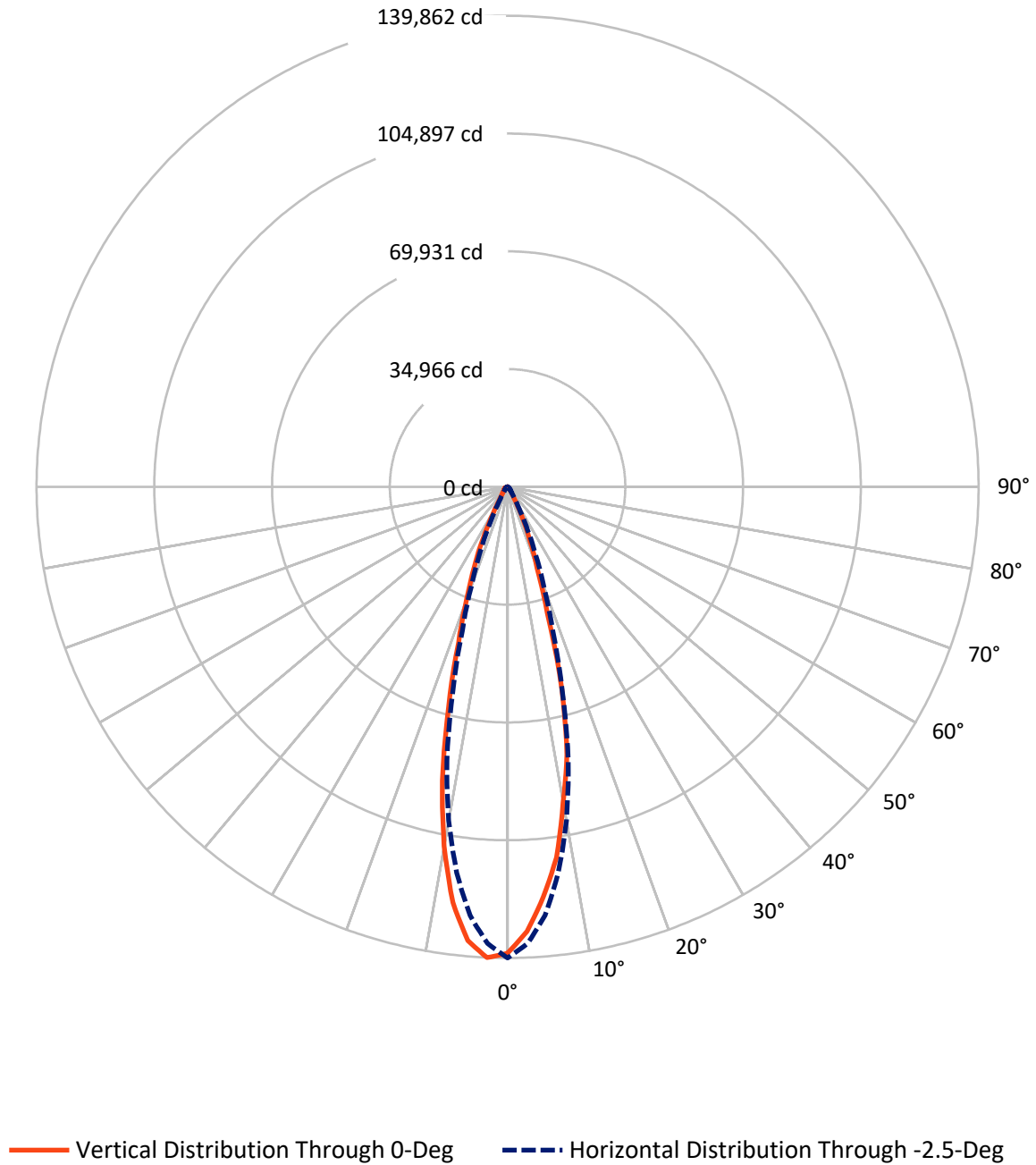
CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

### Lumen Table

90																			
80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0			
70	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0			
60		0.1	0.2	1.1	2.7	4.5	6.3	7.5	7.5	6.3	4.5	2.7	1.1	0.2	0.1				
50	0.1	0.2	1.3	4.3	8.3	12.8	18.0	21.1	21.1	18.0	12.8	8.3	4.3	1.3	0.2	0.1			
40		0.6	3.4	8.5	15.6	25.6	42.8	57.1	57.1	42.8	25.6	15.6	8.5	3.4	0.6				
30	0.3	1.2	5.4	13.0	24.6	59.9	188.3	345.3	345.3	188.3	59.9	24.6	13.0	5.4	1.2	0.3			
20		2.0	7.4	17.6	42.2	206.6	840.1	1644.9	1644.9	840.1	206.6	42.2	17.6	7.4	2.0				
10	0.6	2.5	9.0	21.0	60.5	393.8	1696.2	3324.7	3324.7	1696.2	393.8	60.5	21.0	9.0	2.5	0.6			
0		2.9	9.7	22.2	64.7	412.5	1740.5	3525.4	3525.4	1740.5	412.5	64.7	22.2	9.7	2.9				
-10	0.7	3.0	9.9	21.6	53.2	253.3	962.5	1865.7	1865.7	962.5	253.3	53.2	21.6	9.9	3.0	0.7			
-20		3.0	9.5	19.8	39.0	98.4	298.1	531.8	531.8	298.1	98.4	39.0	19.8	9.5	3.0				
-30	0.7	2.6	8.4	17.1	29.6	48.5	79.2	106.0	106.0	79.2	48.5	29.6	17.1	8.4	2.6	0.7			
-40		2.2	7.0	14.2	23.4	33.4	44.1	49.4	49.4	44.1	33.4	23.4	14.2	7.0	2.2				
-50	0.5	1.6	5.3	11.1	18.3	25.4	31.8	34.6	34.6	31.8	25.4	18.3	11.1	5.3	1.6	0.5			
-60		1.0	3.3	7.2	12.2	17.3	21.7	24.0	24.0	21.7	17.3	12.2	7.2	3.3	1.0				
-70	0.1															0.1			
-80		2.6		11.7		25.3		32.0		25.3		11.7		2.6					
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

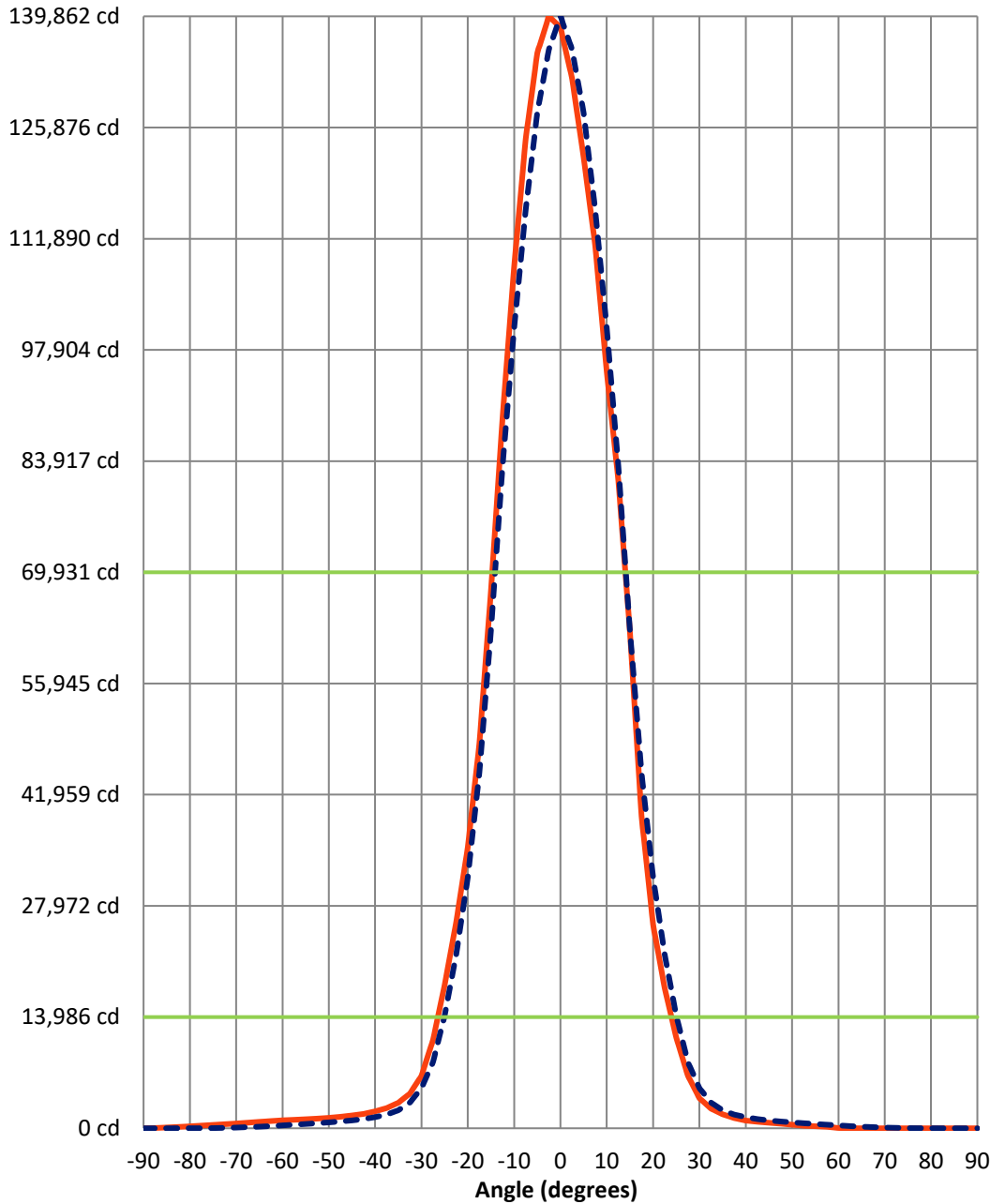
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.2°  
 V Angle: 28.7°  
 Lumens: 19834.4  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 34082.3  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 5585.8  
 Efficiency: 14.1%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -2.5-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	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°	0	0	0	0	0	0	0	0	0	0	1
60°	0	0	0	0	0	0	0	0	0	2	2
57.5°	0	0	0	0	0	0	0	0	2	4	3
55°	0	0	0	0	0	0	1	0	4	6	4
52.5°	0	0	0	0	0	0	2	3	6	6	4
50°	0	0	0	0	0	1	2	5	8	7	6
47.5°	0	0	0	0	0	2	4	7	9	7	8
45°	0	0	0	0	0	3	5	8	9	8	9
42.5°	0	0	0	0	0	4	6	9	9	9	14
40°	0	0	0	0	0	5	7	9	9	9	21
37.5°	0	0	0	0	1	6	8	9	11	13	29
35°	0	0	0	0	2	7	8	9	13	21	38
32.5°	0	0	0	0	3	8	9	9	16	29	48
30°	0	0	0	0	4	8	9	9	20	37	59
27.5°	0	0	0	0	5	8	9	12	25	45	70
25°	0	0	0	0	5	9	9	15	31	53	82
22.5°	0	0	0	0	6	9	9	18	37	63	98
20°	0	0	0	0	7	9	9	22	43	73	113
17.5°	0	0	0	0	7	9	9	26	48	83	127
15°	0	0	0	0	8	9	10	30	53	92	139
12.5°	0	0	0	0	8	9	11	34	58	102	150
10°	0	0	0	0	8	9	13	39	63	111	161
7.5°	0	0	0	0	8	9	14	43	68	120	170
5°	0	0	0	0	9	9	15	46	72	128	179
2.5°	0	0	0	0	9	9	16	50	76	135	187
0°	0	0	0	0	9	9	18	53	79	141	194
-2.5°	0	0	0	1	9	10	21	54	87	146	199
-5°	0	0	0	1	9	11	24	55	94	150	204
-7.5°	0	0	0	2	9	12	27	55	100	153	207
-10°	0	0	0	2	8	12	30	56	105	156	210
-12.5°	0	0	0	3	8	13	32	56	107	158	214
-15°	0	0	0	3	8	14	34	56	108	160	218
-17.5°	0	0	0	3	8	14	35	58	107	161	221
-20°	0	0	0	4	8	14	35	61	105	161	220

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CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	4	8	14	36	63	103	159	217
-25°	0	0	0	4	8	15	37	65	100	156	211
-27.5°	0	0	0	4	9	16	37	66	97	151	207
-30°	0	0	0	4	9	17	36	66	96	146	201
-32.5°	0	0	0	4	10	18	36	65	96	141	192
-35°	0	0	0	3	11	18	36	64	95	135	182
-37.5°	0	0	0	3	11	18	36	62	93	129	178
-40°	0	0	0	3	12	19	36	60	90	125	173
-42.5°	0	0	0	2	11	19	35	58	86	121	167
-45°	0	0	0	2	11	19	33	56	83	116	159
-47.5°	0	0	0	1	10	19	31	53	80	109	150
-50°	0	0	0	1	10	19	30	50	75	104	140
-52.5°	0	0	0	2	9	18	29	46	70	97	128
-55°	0	0	0	2	8	17	27	42	64	89	119
-57.5°	0	0	0	2	7	16	25	39	58	82	108
-60°	0	0	0	2	6	15	23	35	52	73	97
-62.5°	0	0	0	2	6	13	21	32	47	64	87
-65°	0	0	0	2	6	12	20	28	42	57	76
-67.5°	0	0	0	2	6	11	18	26	36	51	66
-70°	0	0	0	2	5	10	16	23	32	43	57
-72.5°	0	0	0	2	5	9	15	20	27	36	48
-75°	0	0	0	2	4	8	13	17	22	29	39
-77.5°	0	0	0	1	4	7	11	14	18	22	28
-80°	0	0	0	1	3	6	9	11	13	17	21
-82.5°	0	0	0	1	2	4	7	8	9	11	13
-85°	0	0	0	1	2	3	5	5	6	7	7
-87.5°	0	0	0	0	1	1	2	3	3	3	4
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-U-MR-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	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	1	2	1	2	3
60°	1	0	1	2	2	4	5	7	8	8	18
57.5°	1	2	4	5	6	10	14	16	28	40	49
55°	3	6	7	7	13	21	28	44	59	77	93
52.5°	6	9	8	14	26	38	56	77	100	118	133
50°	8	10	12	28	44	64	91	120	140	157	182
47.5°	12	13	27	45	68	98	134	158	178	210	246
45°	17	25	43	67	97	138	170	193	227	265	302
42.5°	23	39	63	88	135	175	205	238	275	317	358
40°	34	53	84	124	172	210	248	286	324	373	416
37.5°	45	73	108	158	206	249	292	335	382	433	483
35°	56	93	137	188	239	290	338	387	445	501	559
32.5°	71	114	163	218	272	329	381	445	506	567	638
30°	90	136	187	246	303	364	432	502	562	631	707
27.5°	110	156	213	273	333	398	480	550	616	691	773
25°	129	178	237	298	363	439	526	597	667	750	847
22.5°	146	199	264	321	392	479	568	649	728	810	923
20°	164	222	289	351	421	518	611	702	793	897	1024
17.5°	180	243	313	383	460	557	655	755	857	984	1142
15°	196	263	337	412	496	594	698	808	928	1075	1255
12.5°	211	281	361	440	528	629	736	851	989	1165	1390
10°	224	297	383	465	556	660	769	889	1037	1228	1490
7.5°	236	313	403	488	580	687	797	921	1077	1279	1571
5°	247	328	418	505	599	708	820	948	1109	1320	1635
2.5°	257	341	431	518	614	722	835	966	1131	1359	1685
0°	264	352	440	528	625	731	845	977	1145	1391	1717
-2.5°	273	364	450	539	637	740	855	988	1160	1401	1725
-5°	279	373	458	548	646	746	860	992	1167	1402	1729
-7.5°	284	379	464	553	652	752	864	997	1172	1400	1728
-10°	287	383	468	559	658	756	865	995	1165	1385	1699
-12.5°	292	385	471	561	659	758	862	987	1149	1358	1645
-15°	296	385	471	560	658	756	855	971	1123	1324	1573
-17.5°	297	384	469	555	653	752	845	957	1099	1286	1524
-20°	297	382	464	547	645	743	836	945	1076	1242	1456

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CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	294	379	458	539	633	729	824	926	1048	1188	1379
-25°	290	374	452	532	620	712	807	901	1017	1151	1314
-27.5°	283	367	444	522	605	692	785	878	984	1106	1247
-30°	272	356	433	510	591	674	759	852	947	1061	1189
-32.5°	259	344	419	496	576	655	732	821	914	1011	1127
-35°	248	328	404	477	557	634	707	785	876	968	1065
-37.5°	240	312	387	457	533	609	678	751	832	922	1011
-40°	231	295	369	437	506	582	651	716	789	876	961
-42.5°	220	283	350	417	483	551	622	685	753	833	913
-45°	211	270	331	396	461	522	588	654	721	791	867
-47.5°	200	255	315	372	436	498	555	619	688	754	821
-50°	187	240	294	348	408	470	530	584	646	713	778
-52.5°	172	222	272	322	377	436	497	554	607	664	727
-55°	155	202	249	296	345	400	458	515	571	622	677
-57.5°	140	179	224	270	315	361	417	471	525	578	632
-60°	126	158	198	242	286	329	376	427	478	527	577
-62.5°	111	140	173	210	252	295	338	383	429	472	514
-65°	98	121	150	182	217	255	295	338	379	414	448
-67.5°	84	104	127	153	184	215	247	285	323	355	386
-70°	72	87	106	128	152	178	207	236	265	294	323
-72.5°	61	73	87	101	123	146	169	192	216	242	266
-75°	49	59	71	83	98	116	136	157	177	196	216
-77.5°	38	47	56	65	76	90	106	122	138	155	171
-80°	27	34	43	51	59	67	77	88	100	112	125
-82.5°	18	24	30	36	41	46	51	58	66	75	85
-85°	10	13	17	21	24	26	29	32	37	43	49
-87.5°	5	7	8	10	11	11	12	12	15	17	19
-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	2	2	2	1	0	0
62.5°	3	4	7	9	10	11	11	12	12	12	12
60°	22	22	33	40	39	30	43	50	47	41	40
57.5°	62	77	89	92	104	123	128	126	128	134	150
55°	108	120	129	146	165	181	194	204	214	225	239
52.5°	147	168	182	200	224	238	245	269	291	307	317
50°	209	230	254	278	301	322	340	364	393	424	442
47.5°	275	302	332	368	393	414	436	470	509	545	567
45°	336	367	405	439	468	496	531	572	612	648	676
42.5°	391	426	465	505	531	575	622	665	715	760	795
40°	454	488	546	586	621	668	738	800	859	915	950
37.5°	530	588	650	699	746	804	901	996	1071	1146	1199
35°	620	690	767	821	891	1000	1120	1251	1382	1487	1582
32.5°	706	784	862	949	1055	1209	1360	1570	1764	1963	2150
30°	784	871	967	1077	1250	1463	1709	2030	2379	2726	3122
27.5°	866	961	1075	1251	1513	1804	2258	2763	3484	4064	4999
25°	955	1063	1217	1498	1860	2371	3164	4066	5558	6831	8268
22.5°	1062	1228	1447	1799	2403	3324	4557	6522	8812	10939	12967
20°	1194	1420	1794	2355	3221	4637	6975	9956	13140	16252	19262
17.5°	1369	1727	2263	3060	4288	7264	10744	15003	20456	24552	28435
15°	1529	1981	2791	4083	6394	10224	15087	21609	28950	35122	42104
12.5°	1718	2265	3240	4915	8220	13282	19481	27259	35947	45316	56253
10°	1883	2554	3811	6116	10124	16016	22962	32093	43252	56509	70331
7.5°	2010	2797	4287	7016	11728	18258	26544	37649	51782	67276	83040
5°	2109	2984	4661	7721	13092	20078	29158	42045	58155	75939	91614
2.5°	2186	3116	4908	8155	14014	21322	30946	44382	62054	81595	98053
0°	2246	3197	5046	8463	14442	21910	31773	45326	63881	84365	101291
-2.5°	2266	3239	5053	8356	14182	21874	31580	44747	62620	83265	100603
-5°	2274	3217	4925	8134	13720	21090	30315	42549	58771	78135	95706
-7.5°	2257	3131	4667	7589	12682	19705	28550	39288	52584	69657	87818
-10°	2196	2981	4317	6849	11254	17543	25801	34873	45495	59433	74150
-12.5°	2086	2757	3834	5742	9572	15097	22409	30430	38708	47867	59973
-15°	1955	2526	3440	5071	8015	12527	18449	25222	32093	39107	46491
-17.5°	1855	2327	3036	4174	6154	9802	14537	19981	25555	31125	36098
-20°	1728	2088	2642	3528	4965	7124	10685	14921	19086	23628	27439

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1615	1921	2336	2893	3860	5380	7410	10392	13557	16855	19985
-25°	1508	1739	2068	2516	3094	3998	5339	6897	9119	11148	13472
-27.5°	1417	1611	1835	2166	2604	3099	3922	4832	5997	6964	8515
-30°	1331	1486	1670	1883	2204	2581	3023	3574	4144	4716	5459
-32.5°	1249	1379	1524	1696	1894	2177	2452	2805	3117	3461	3815
-35°	1170	1285	1404	1541	1693	1879	2086	2320	2527	2734	2920
-37.5°	1101	1198	1302	1409	1532	1661	1823	1988	2128	2263	2377
-40°	1043	1124	1210	1300	1398	1502	1628	1750	1844	1931	2004
-42.5°	990	1061	1129	1205	1287	1383	1480	1573	1638	1698	1747
-45°	940	1001	1063	1126	1193	1276	1360	1433	1483	1529	1564
-47.5°	886	942	998	1055	1120	1186	1253	1307	1352	1391	1418
-50°	834	889	939	987	1044	1103	1162	1208	1247	1281	1299
-52.5°	783	835	886	935	981	1028	1074	1117	1157	1193	1206
-55°	733	784	830	875	921	965	1006	1044	1080	1114	1124
-57.5°	684	736	785	821	860	899	939	976	1011	1042	1053
-60°	628	681	723	759	796	834	868	902	936	965	979
-62.5°	561	609	648	683	717	749	781	812	842	867	881
-65°	483	524	562	596	627	656	686	713	739	758	770
-67.5°	415	445	477	508	540	568	594	619	642	658	668
-70°	351	378	406	434	461	487	510	532	552	567	578
-72.5°	291	315	340	366	390	412	431	450	469	481	491
-75°	236	257	278	300	321	338	355	370	385	396	405
-77.5°	188	203	219	235	251	265	278	291	302	311	319
-80°	139	152	164	176	187	197	207	217	226	234	241
-82.5°	94	103	113	122	132	138	143	148	152	158	164
-85°	54	60	66	72	78	82	86	89	93	96	99
-87.5°	22	24	27	29	32	33	33	34	34	37	39
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-U-MR-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	1	2
62.5°	11	9	9	9	9	9	11	12	12	12	12
60°	38	35	35	35	35	35	38	40	41	47	50
57.5°	164	176	183	185	183	176	164	150	134	128	126
55°	250	258	260	255	260	258	250	239	225	214	204
52.5°	323	324	322	317	322	324	323	317	307	291	269
50°	448	446	447	449	447	446	448	442	424	393	364
47.5°	576	582	584	581	584	582	576	567	545	509	470
45°	688	696	699	696	699	696	688	676	648	612	572
42.5°	808	814	816	819	816	814	808	795	760	715	665
40°	967	973	971	969	971	973	967	950	915	859	800
37.5°	1236	1254	1263	1286	1263	1254	1236	1199	1146	1071	996
35°	1654	1700	1724	1761	1724	1700	1654	1582	1487	1382	1251
32.5°	2285	2377	2426	2475	2426	2377	2285	2150	1963	1764	1570
30°	3396	3578	3652	3787	3652	3578	3396	3122	2726	2379	2030
27.5°	5685	6116	6286	6640	6286	6116	5685	4999	4064	3484	2763
25°	9576	10505	11017	11422	11017	10505	9576	8268	6831	5558	4066
22.5°	15014	16375	17102	17639	17102	16375	15014	12967	10939	8812	6522
20°	21990	23786	24858	25635	24858	23786	21990	19262	16252	13140	9956
17.5°	33421	36243	37894	39312	37894	36243	33421	28435	24552	20456	15003
15°	49894	55566	59973	62428	59973	55566	49894	42104	35122	28950	21609
12.5°	65920	74227	79162	81432	79162	74227	65920	56253	45316	35947	27259
10°	81769	89601	94297	95126	94297	89601	81769	70331	56509	43252	32093
7.5°	93901	102515	108755	111022	108755	102515	93901	83040	67276	51782	37649
5°	104618	114704	121307	122144	121307	114704	104618	91614	75939	58155	42045
2.5°	112501	123466	129868	132069	129868	123466	112501	98053	81595	62054	44382
0°	116314	128124	135248	138454	135248	128124	116314	101291	84365	63881	45326
-2.5°	115512	127726	135678	139862	135678	127726	115512	100603	83265	62620	44747
-5°	111120	123370	130785	135230	130785	123370	111120	95706	78135	58771	42549
-7.5°	100992	112447	120340	124443	120340	112447	100992	87818	69657	52584	39288
-10°	87941	97636	104830	108327	104830	97636	87941	74150	59433	45495	34873
-12.5°	70982	80386	86877	89349	86877	80386	70982	59973	47867	38708	30430
-15°	54385	61562	66173	67633	66173	61562	54385	46491	39107	32093	25222
-17.5°	41243	45107	47701	48400	47701	45107	41243	36098	31125	25555	19981
-20°	30899	33293	34976	35375	34976	33293	30899	27439	23628	19086	14921

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REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	22513	24314	25673	25944	25673	24314	22513	19985	16855	13557	10392
-25°	15530	17035	17957	18027	17957	17035	15530	13472	11148	9119	6897
-27.5°	9736	10563	10990	11140	10990	10563	9736	8515	6964	5997	4832
-30°	6016	6398	6598	6605	6598	6398	6016	5459	4716	4144	3574
-32.5°	4084	4268	4369	4368	4369	4268	4084	3815	3461	3117	2805
-35°	3060	3155	3209	3214	3209	3155	3060	2920	2734	2527	2320
-37.5°	2460	2513	2540	2545	2540	2513	2460	2377	2263	2128	1988
-40°	2057	2093	2116	2131	2116	2093	2057	2004	1931	1844	1750
-42.5°	1779	1803	1813	1805	1813	1803	1779	1747	1698	1638	1573
-45°	1585	1599	1608	1612	1608	1599	1585	1564	1529	1483	1433
-47.5°	1430	1437	1442	1444	1442	1437	1430	1418	1391	1352	1307
-50°	1309	1315	1316	1312	1316	1315	1309	1299	1281	1247	1208
-52.5°	1211	1212	1214	1215	1214	1212	1211	1206	1193	1157	1117
-55°	1130	1133	1135	1136	1135	1133	1130	1124	1114	1080	1044
-57.5°	1062	1070	1070	1066	1070	1070	1062	1053	1042	1011	976
-60°	990	998	1003	1004	1003	998	990	979	965	936	902
-62.5°	892	901	906	907	906	901	892	881	867	842	812
-65°	780	788	799	810	799	788	780	770	758	739	713
-67.5°	677	683	694	704	694	683	677	668	658	642	619
-70°	587	595	598	599	598	595	587	578	567	552	532
-72.5°	500	508	510	511	510	508	500	491	481	469	450
-75°	413	420	422	423	422	420	413	405	396	385	370
-77.5°	326	333	334	335	334	333	326	319	311	302	291
-80°	248	254	251	247	251	254	248	241	234	226	217
-82.5°	170	175	172	167	172	175	170	164	158	152	148
-85°	102	105	101	97	101	105	102	99	96	93	89
-87.5°	41	44	40	35	40	44	41	39	37	34	34
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-U-MR-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°	2	2	0	0	0	0	0	0	0	0	0
62.5°	11	11	10	9	7	4	3	3	2	1	2
60°	43	30	39	40	33	22	22	18	8	8	7
57.5°	128	123	104	92	89	77	62	49	40	28	16
55°	194	181	165	146	129	120	108	93	77	59	44
52.5°	245	238	224	200	182	168	147	133	118	100	77
50°	340	322	301	278	254	230	209	182	157	140	120
47.5°	436	414	393	368	332	302	275	246	210	178	158
45°	531	496	468	439	405	367	336	302	265	227	193
42.5°	622	575	531	505	465	426	391	358	317	275	238
40°	738	668	621	586	546	488	454	416	373	324	286
37.5°	901	804	746	699	650	588	530	483	433	382	335
35°	1120	1000	891	821	767	690	620	559	501	445	387
32.5°	1360	1209	1055	949	862	784	706	638	567	506	445
30°	1709	1463	1250	1077	967	871	784	707	631	562	502
27.5°	2258	1804	1513	1251	1075	961	866	773	691	616	550
25°	3164	2371	1860	1498	1217	1063	955	847	750	667	597
22.5°	4557	3324	2403	1799	1447	1228	1062	923	810	728	649
20°	6975	4637	3221	2355	1794	1420	1194	1024	897	793	702
17.5°	10744	7264	4288	3060	2263	1727	1369	1142	984	857	755
15°	15087	10224	6394	4083	2791	1981	1529	1255	1075	928	808
12.5°	19481	13282	8220	4915	3240	2265	1718	1390	1165	989	851
10°	22962	16016	10124	6116	3811	2554	1883	1490	1228	1037	889
7.5°	26544	18258	11728	7016	4287	2797	2010	1571	1279	1077	921
5°	29158	20078	13092	7721	4661	2984	2109	1635	1320	1109	948
2.5°	30946	21322	14014	8155	4908	3116	2186	1685	1359	1131	966
0°	31773	21910	14442	8463	5046	3197	2246	1717	1391	1145	977
-2.5°	31580	21874	14182	8356	5053	3239	2266	1725	1401	1160	988
-5°	30315	21090	13720	8134	4925	3217	2274	1729	1402	1167	992
-7.5°	28550	19705	12682	7589	4667	3131	2257	1728	1400	1172	997
-10°	25801	17543	11254	6849	4317	2981	2196	1699	1385	1165	995
-12.5°	22409	15097	9572	5742	3834	2757	2086	1645	1358	1149	987
-15°	18449	12527	8015	5071	3440	2526	1955	1573	1324	1123	971
-17.5°	14537	9802	6154	4174	3036	2327	1855	1524	1286	1099	957
-20°	10685	7124	4965	3528	2642	2088	1728	1456	1242	1076	945

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REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7410	5380	3860	2893	2336	1921	1615	1379	1188	1048	926
-25°	5339	3998	3094	2516	2068	1739	1508	1314	1151	1017	901
-27.5°	3922	3099	2604	2166	1835	1611	1417	1247	1106	984	878
-30°	3023	2581	2204	1883	1670	1486	1331	1189	1061	947	852
-32.5°	2452	2177	1894	1696	1524	1379	1249	1127	1011	914	821
-35°	2086	1879	1693	1541	1404	1285	1170	1065	968	876	785
-37.5°	1823	1661	1532	1409	1302	1198	1101	1011	922	832	751
-40°	1628	1502	1398	1300	1210	1124	1043	961	876	789	716
-42.5°	1480	1383	1287	1205	1129	1061	990	913	833	753	685
-45°	1360	1276	1193	1126	1063	1001	940	867	791	721	654
-47.5°	1253	1186	1120	1055	998	942	886	821	754	688	619
-50°	1162	1103	1044	987	939	889	834	778	713	646	584
-52.5°	1074	1028	981	935	886	835	783	727	664	607	554
-55°	1006	965	921	875	830	784	733	677	622	571	515
-57.5°	939	899	860	821	785	736	684	632	578	525	471
-60°	868	834	796	759	723	681	628	577	527	478	427
-62.5°	781	749	717	683	648	609	561	514	472	429	383
-65°	686	656	627	596	562	524	483	448	414	379	338
-67.5°	594	568	540	508	477	445	415	386	355	323	285
-70°	510	487	461	434	406	378	351	323	294	265	236
-72.5°	431	412	390	366	340	315	291	266	242	216	192
-75°	355	338	321	300	278	257	236	216	196	177	157
-77.5°	278	265	251	235	219	203	188	171	155	138	122
-80°	207	197	187	176	164	152	139	125	112	100	88
-82.5°	143	138	132	122	113	103	94	85	75	66	58
-85°	86	82	78	72	66	60	54	49	43	37	32
-87.5°	33	33	32	29	27	24	22	19	17	15	12
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-U-MR-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	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	1	0	0	0
60°	5	4	2	2	1	0	1	2	2	0	0
57.5°	14	10	6	5	4	2	1	3	4	2	0
55°	28	21	13	7	7	6	3	4	6	4	0
52.5°	56	38	26	14	8	9	6	4	6	6	3
50°	91	64	44	28	12	10	8	6	7	8	5
47.5°	134	98	68	45	27	13	12	8	7	9	7
45°	170	138	97	67	43	25	17	9	8	9	8
42.5°	205	175	135	88	63	39	23	14	9	9	9
40°	248	210	172	124	84	53	34	21	9	9	9
37.5°	292	249	206	158	108	73	45	29	13	11	9
35°	338	290	239	188	137	93	56	38	21	13	9
32.5°	381	329	272	218	163	114	71	48	29	16	9
30°	432	364	303	246	187	136	90	59	37	20	9
27.5°	480	398	333	273	213	156	110	70	45	25	12
25°	526	439	363	298	237	178	129	82	53	31	15
22.5°	568	479	392	321	264	199	146	98	63	37	18
20°	611	518	421	351	289	222	164	113	73	43	22
17.5°	655	557	460	383	313	243	180	127	83	48	26
15°	698	594	496	412	337	263	196	139	92	53	30
12.5°	736	629	528	440	361	281	211	150	102	58	34
10°	769	660	556	465	383	297	224	161	111	63	39
7.5°	797	687	580	488	403	313	236	170	120	68	43
5°	820	708	599	505	418	328	247	179	128	72	46
2.5°	835	722	614	518	431	341	257	187	135	76	50
0°	845	731	625	528	440	352	264	194	141	79	53
-2.5°	855	740	637	539	450	364	273	199	146	87	54
-5°	860	746	646	548	458	373	279	204	150	94	55
-7.5°	864	752	652	553	464	379	284	207	153	100	55
-10°	865	756	658	559	468	383	287	210	156	105	56
-12.5°	862	758	659	561	471	385	292	214	158	107	56
-15°	855	756	658	560	471	385	296	218	160	108	56
-17.5°	845	752	653	555	469	384	297	221	161	107	58
-20°	836	743	645	547	464	382	297	220	161	105	61

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CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	824	729	633	539	458	379	294	217	159	103	63
-25°	807	712	620	532	452	374	290	211	156	100	65
-27.5°	785	692	605	522	444	367	283	207	151	97	66
-30°	759	674	591	510	433	356	272	201	146	96	66
-32.5°	732	655	576	496	419	344	259	192	141	96	65
-35°	707	634	557	477	404	328	248	182	135	95	64
-37.5°	678	609	533	457	387	312	240	178	129	93	62
-40°	651	582	506	437	369	295	231	173	125	90	60
-42.5°	622	551	483	417	350	283	220	167	121	86	58
-45°	588	522	461	396	331	270	211	159	116	83	56
-47.5°	555	498	436	372	315	255	200	150	109	80	53
-50°	530	470	408	348	294	240	187	140	104	75	50
-52.5°	497	436	377	322	272	222	172	128	97	70	46
-55°	458	400	345	296	249	202	155	119	89	64	42
-57.5°	417	361	315	270	224	179	140	108	82	58	39
-60°	376	329	286	242	198	158	126	97	73	52	35
-62.5°	338	295	252	210	173	140	111	87	64	47	32
-65°	295	255	217	182	150	121	98	76	57	42	28
-67.5°	247	215	184	153	127	104	84	66	51	36	26
-70°	207	178	152	128	106	87	72	57	43	32	23
-72.5°	169	146	123	101	87	73	61	48	36	27	20
-75°	136	116	98	83	71	59	49	39	29	22	17
-77.5°	106	90	76	65	56	47	38	28	22	18	14
-80°	77	67	59	51	43	34	27	21	17	13	11
-82.5°	51	46	41	36	30	24	18	13	11	9	8
-85°	29	26	24	21	17	13	10	7	7	6	5
-87.5°	12	11	11	10	8	7	5	4	3	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627754 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-U-MR-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	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	1	0	0	0	0	0	0
52.5°	2	0	0	0	0	0	0
50°	2	1	0	0	0	0	0
47.5°	4	2	0	0	0	0	0
45°	5	3	0	0	0	0	0
42.5°	6	4	0	0	0	0	0
40°	7	5	0	0	0	0	0
37.5°	8	6	1	0	0	0	0
35°	8	7	2	0	0	0	0
32.5°	9	8	3	0	0	0	0
30°	9	8	4	0	0	0	0
27.5°	9	8	5	0	0	0	0
25°	9	9	5	0	0	0	0
22.5°	9	9	6	0	0	0	0
20°	9	9	7	0	0	0	0
17.5°	9	9	7	0	0	0	0
15°	10	9	8	0	0	0	0
12.5°	11	9	8	0	0	0	0
10°	13	9	8	0	0	0	0
7.5°	14	9	8	0	0	0	0
5°	15	9	9	0	0	0	0
2.5°	16	9	9	0	0	0	0
0°	18	9	9	0	0	0	0
-2.5°	21	10	9	1	0	0	0
-5°	24	11	9	1	0	0	0
-7.5°	27	12	9	2	0	0	0
-10°	30	12	8	2	0	0	0
-12.5°	32	13	8	3	0	0	0
-15°	34	14	8	3	0	0	0
-17.5°	35	14	8	3	0	0	0
-20°	35	14	8	4	0	0	0

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CATALOG NUMBER: GFLD-SA5E-735-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	36	14	8	4	0	0	0
-25°	37	15	8	4	0	0	0
-27.5°	37	16	9	4	0	0	0
-30°	36	17	9	4	0	0	0
-32.5°	36	18	10	4	0	0	0
-35°	36	18	11	3	0	0	0
-37.5°	36	18	11	3	0	0	0
-40°	36	19	12	3	0	0	0
-42.5°	35	19	11	2	0	0	0
-45°	33	19	11	2	0	0	0
-47.5°	31	19	10	1	0	0	0
-50°	30	19	10	1	0	0	0
-52.5°	29	18	9	2	0	0	0
-55°	27	17	8	2	0	0	0
-57.5°	25	16	7	2	0	0	0
-60°	23	15	6	2	0	0	0
-62.5°	21	13	6	2	0	0	0
-65°	20	12	6	2	0	0	0
-67.5°	18	11	6	2	0	0	0
-70°	16	10	5	2	0	0	0
-72.5°	15	9	5	2	0	0	0
-75°	13	8	4	2	0	0	0
-77.5°	11	7	4	1	0	0	0
-80°	9	6	3	1	0	0	0
-82.5°	7	4	2	1	0	0	0
-85°	5	3	2	1	0	0	0
-87.5°	2	1	1	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)