

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: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627766 (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-SA5E-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: 38873.9 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V  
Max Intensity: 54461.8 candela  
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 26037.6 lumens  
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 35038.8 lumens  
Field Efficiency: 90.1%

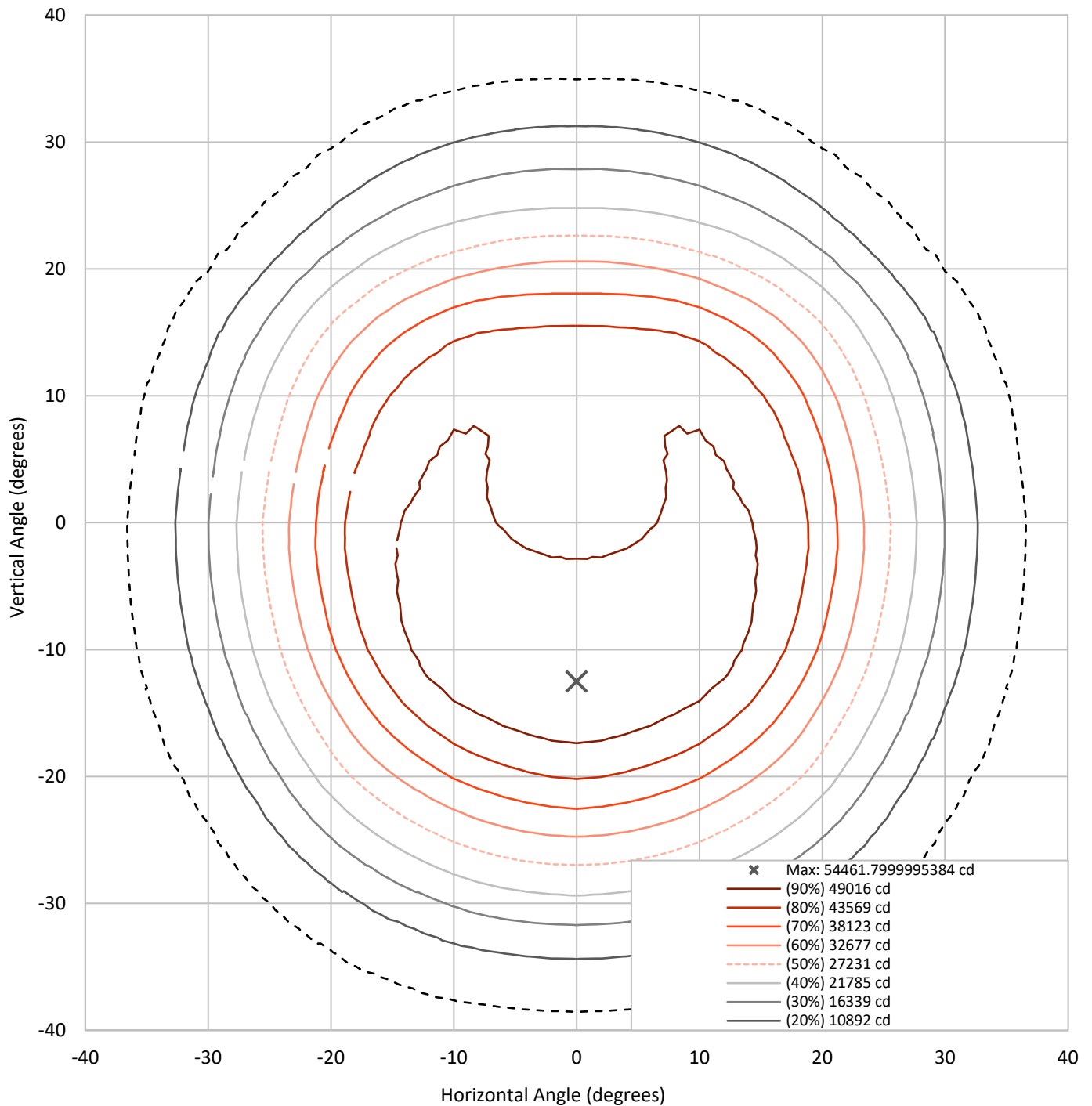
Input Watts (W): 313.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA5E-740-U-MWR-VSR-XX

### Iso-Candela Plot





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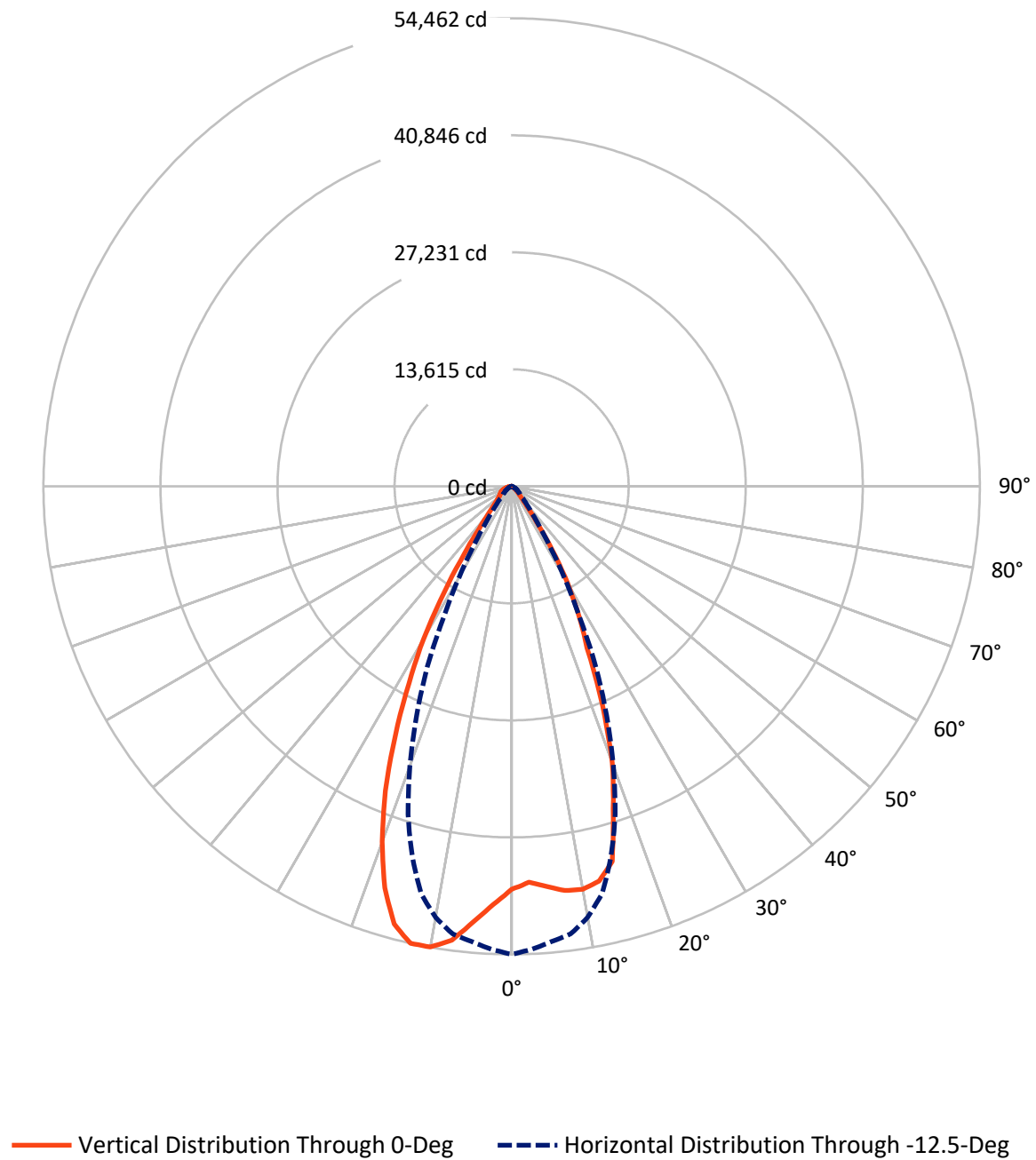
CATALOG NUMBER: GFLD-SA5E-740-U-MWR-VSR-XX

### Lumen Table

90																			
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
70																			
60	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.1			
50		0.1	0.3	1.3	3.2	5.3	7.4	8.6	8.6	7.4	5.3	3.2	1.3	0.3	0.1				
40	0.2	0.2	1.5	5.5	10.9	17.9	26.6	32.7	32.7	26.6	17.9	10.9	5.5	1.5	0.2	0.2			
30		0.7	4.3	11.3	23.3	50.5	114.7	175.2	175.2	114.7	50.5	23.3	11.3	4.3	0.7				
20	0.4	1.6	7.2	18.1	48.8	180.7	465.3	650.4	650.4	465.3	180.7	48.8	18.1	7.2	1.6	0.4			
10		2.6	10.1	28.1	116.1	501.8	1046.9	1296.2	1296.2	1046.9	501.8	116.1	28.1	10.1	2.6				
0	0.8	3.4	12.5	36.2	184.9	739.0	1349.8	1463.3	1463.3	1349.8	739.0	184.9	36.2	12.5	3.4	0.8			
-10		4.0	13.8	38.7	193.4	763.2	1398.4	1553.1	1553.1	1398.4	763.2	193.4	38.7	13.8	4.0				
-20	1.1	4.3	14.0	35.2	138.4	568.3	1179.7	1506.3	1506.3	1179.7	568.3	138.4	35.2	14.0	4.3	1.1			
-30		4.1	13.3	29.3	77.4	275.7	657.3	925.0	925.0	657.3	275.7	77.4	29.3	13.3	4.1				
-40	1.0	3.6	11.9	24.3	46.2	98.2	205.4	304.8	304.8	205.4	98.2	46.2	24.3	11.9	3.6	1.0			
-50		3.0	10.0	20.3	33.7	49.8	70.1	83.1	83.1	70.1	49.8	33.7	20.3	10.0	3.0				
-60	0.7	2.3	7.5	15.9	26.5	36.7	45.8	50.1	50.1	45.8	36.7	26.5	15.9	7.5	2.3	0.7			
-70		1.6	4.8	10.9	18.6	26.2	33.3	37.2	37.2	33.3	26.2	18.6	10.9	4.8	1.6				
-80	0.3	4.3	19.6	41.7	53.4	41.7	19.6	4.3	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

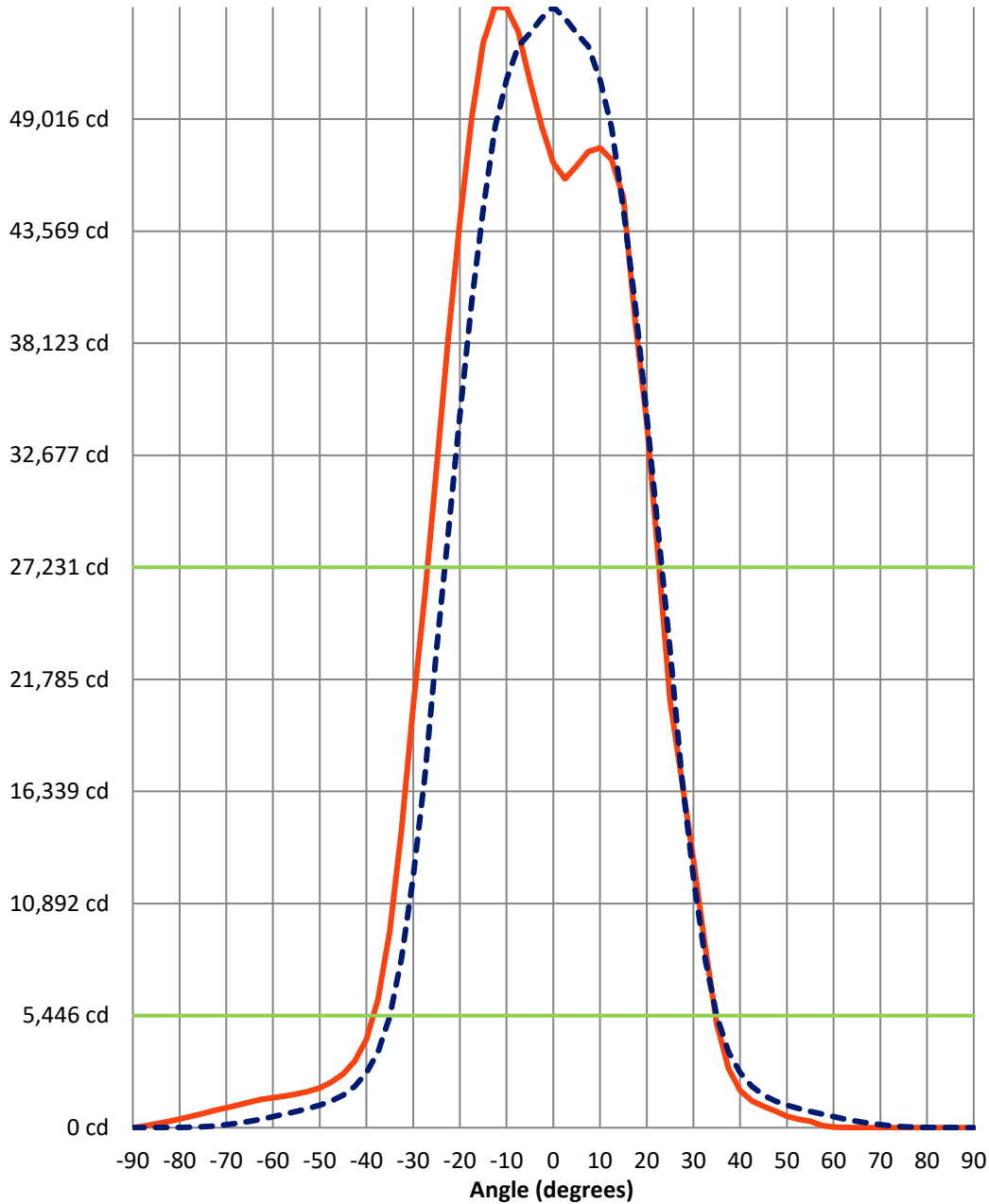
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 26037.6  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 35038.8  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 3835  
 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	2	2	1	0	0	0	0
67.5°	0	0	0	1	3	3	1	0	0	1	1
65°	0	0	0	2	4	3	1	0	2	3	3
62.5°	0	0	0	3	5	3	1	2	4	5	6
60°	0	0	0	4	6	4	2	4	6	6	8
57.5°	0	0	1	5	6	4	3	6	7	8	9
55°	0	0	1	6	6	4	5	9	8	9	9
52.5°	0	0	2	7	6	5	7	9	9	9	9
50°	0	0	3	8	7	6	8	9	9	9	10
47.5°	0	0	3	8	7	6	9	10	9	9	12
45°	0	0	4	9	7	7	10	11	9	11	15
42.5°	0	0	4	9	7	8	11	12	10	14	18
40°	0	0	5	9	8	8	12	12	11	16	21
37.5°	0	0	5	9	8	9	13	13	14	20	25
35°	0	0	6	9	8	9	14	13	18	25	33
32.5°	0	0	6	9	9	10	15	14	21	32	53
30°	0	0	7	9	9	11	16	15	25	39	72
27.5°	0	0	7	9	9	12	16	18	29	48	88
25°	0	0	7	9	9	13	17	21	36	60	104
22.5°	0	0	8	9	9	14	17	24	43	74	122
20°	0	0	8	9	9	15	18	26	51	86	141
17.5°	0	0	8	9	9	16	18	29	58	96	161
15°	0	0	8	9	9	16	19	33	66	106	180
12.5°	0	0	8	9	9	17	20	39	74	114	199
10°	0	0	9	9	9	17	22	46	80	129	217
7.5°	0	0	9	9	9	18	23	53	86	144	232
5°	0	0	9	9	9	18	24	59	91	159	243
2.5°	0	0	9	9	9	18	26	65	95	174	252
0°	0	0	9	9	9	18	27	71	98	187	259
-2.5°	0	0	9	9	10	19	32	74	111	196	273
-5°	0	0	9	9	10	20	36	76	123	203	285
-7.5°	0	1	9	9	11	20	40	78	133	209	295
-10°	0	1	9	9	12	21	44	79	142	215	303
-12.5°	0	1	9	9	12	21	44	79	142	215	303
-15°	0	1	8	9	13	22	49	81	150	221	311
-17.5°	0	1	8	9	13	23	50	84	149	222	311
-20°	0	1	8	9	14	23	51	87	147	221	307

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REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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	2	8	9	14	23	51	89	145	218	300
-25°	0	2	8	9	14	24	51	90	142	213	288
-27.5°	0	2	8	9	13	26	51	90	138	207	281
-30°	0	2	8	9	13	27	50	89	137	201	273
-32.5°	0	2	8	9	14	28	48	87	135	195	262
-35°	0	2	8	9	14	29	49	85	131	189	249
-37.5°	0	2	7	9	15	29	49	82	125	183	245
-40°	0	2	7	9	15	30	49	79	118	175	241
-42.5°	0	2	7	9	15	30	49	75	112	167	233
-45°	0	2	7	10	16	29	48	72	107	156	222
-47.5°	0	2	7	10	16	29	46	70	102	144	208
-50°	0	2	7	10	16	28	45	67	97	138	192
-52.5°	0	2	7	10	16	27	43	64	93	131	175
-55°	0	2	8	11	16	26	42	60	88	122	165
-57.5°	0	2	8	11	16	26	40	57	83	115	153
-60°	0	2	8	11	15	24	37	54	77	107	141
-62.5°	0	2	7	11	15	23	35	51	71	97	129
-65°	0	2	7	11	15	21	32	46	65	88	117
-67.5°	0	2	6	11	15	20	29	42	58	78	103
-70°	0	1	6	11	14	19	26	37	51	67	89
-72.5°	0	1	5	10	14	18	24	31	43	58	74
-75°	0	1	4	8	13	17	22	28	35	47	61
-77.5°	0	1	4	7	11	16	20	25	31	38	47
-80°	0	1	3	6	9	13	18	22	27	32	38
-82.5°	0	1	2	4	7	10	14	18	23	27	31
-85°	0	0	2	3	5	7	9	12	15	19	23
-87.5°	0	0	1	1	2	3	5	6	8	9	11
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	1	3	3	2	0	0	0	1	0	0	0
65°	4	6	4	2	0	2	3	2	0	0	0
62.5°	8	7	5	4	5	7	5	3	1	2	3
60°	9	8	6	7	9	8	6	6	7	9	21
57.5°	9	8	8	10	10	9	11	13	32	53	59
55°	9	9	10	12	13	16	24	50	75	92	99
52.5°	10	10	14	17	21	34	62	91	115	133	157
50°	12	14	18	25	39	70	104	136	167	196	230
47.5°	15	19	27	39	72	112	153	194	231	270	319
45°	19	29	38	69	110	160	211	257	295	341	385
42.5°	23	44	65	98	157	216	274	312	353	404	462
40°	37	61	94	144	206	277	328	369	413	484	554
37.5°	55	86	125	189	265	334	383	433	497	579	663
35°	75	109	166	239	323	386	441	503	592	686	785
32.5°	95	132	206	289	368	436	498	590	683	787	923
30°	115	166	247	337	411	482	569	671	764	891	1051
27.5°	136	200	288	376	451	526	640	739	845	990	1182
25°	159	237	326	411	490	583	709	815	923	1107	1366
22.5°	187	271	363	445	526	644	779	910	1053	1236	1555
20°	216	304	397	484	562	703	854	1014	1208	1463	1881
17.5°	243	333	429	524	622	765	934	1124	1365	1683	2297
15°	268	360	461	563	678	830	1015	1248	1540	1935	2699
12.5°	291	383	492	602	728	888	1086	1340	1684	2253	3213
10°	311	404	521	640	772	939	1148	1417	1802	2481	3597
7.5°	328	427	548	675	810	984	1201	1480	1906	2660	3896
5°	343	453	572	702	838	1020	1244	1528	1993	2791	4127
2.5°	356	478	591	724	859	1049	1279	1574	2077	2899	4322
0°	366	500	607	741	875	1072	1304	1607	2143	2974	4474
-2.5°	379	511	628	755	900	1087	1315	1632	2164	2984	4443
-5°	389	519	646	765	919	1096	1318	1641	2162	2961	4351
-7.5°	398	524	659	774	930	1101	1320	1635	2139	2911	4203
-10°	404	530	663	784	933	1100	1313	1615	2088	2815	3979
-12.5°	413	535	664	789	932	1094	1296	1579	2008	2671	3691
-15°	419	538	663	788	928	1082	1268	1528	1902	2479	3335
-17.5°	421	539	660	781	920	1065	1231	1468	1803	2311	3080
-20°	420	537	656	768	910	1046	1205	1421	1721	2149	2770

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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°	416	533	651	757	892	1028	1176	1365	1616	1968	2469
-25°	408	527	643	751	872	1005	1137	1303	1522	1833	2250
-27.5°	394	516	629	739	851	979	1104	1254	1446	1686	2019
-30°	374	501	613	723	833	953	1072	1199	1367	1576	1844
-32.5°	355	484	593	701	811	925	1038	1156	1300	1473	1682
-35°	341	463	573	675	784	894	1003	1112	1231	1385	1564
-37.5°	333	441	553	649	752	860	964	1069	1178	1299	1462
-40°	322	418	529	626	719	823	924	1023	1124	1246	1370
-42.5°	309	402	504	603	691	787	883	978	1080	1191	1308
-45°	296	383	480	571	661	750	843	932	1032	1137	1246
-47.5°	279	361	454	535	623	713	802	891	978	1077	1181
-50°	259	337	421	500	578	667	756	846	931	1015	1106
-52.5°	238	308	388	465	536	611	703	794	879	962	1042
-55°	216	280	353	428	500	565	645	736	821	902	985
-57.5°	197	252	319	390	461	529	601	679	763	841	922
-60°	182	226	283	349	419	486	557	629	705	781	853
-62.5°	165	204	249	305	370	438	503	571	643	708	773
-65°	149	180	219	265	316	378	441	507	571	629	684
-67.5°	131	159	190	225	270	321	372	431	491	547	600
-70°	113	138	164	194	227	269	316	363	411	461	512
-72.5°	94	116	139	163	192	228	264	302	344	387	431
-75°	77	94	114	135	159	188	218	251	284	319	354
-77.5°	61	76	91	107	126	148	173	199	226	253	280
-80°	47	57	70	83	98	113	130	148	168	190	213
-82.5°	37	44	52	61	70	81	92	105	120	136	153
-85°	27	31	36	41	46	53	59	67	76	86	97
-87.5°	13	16	18	20	23	26	29	32	36	41	46
-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°	3	3	3	3	2	2	4	6	6	6	7
60°	24	17	23	29	28	21	32	36	33	27	28
57.5°	62	68	77	90	100	106	114	124	130	134	138
55°	115	138	162	173	192	221	247	249	254	260	275
52.5°	184	210	223	244	282	306	318	338	361	382	402
50°	267	289	316	350	387	410	418	455	499	535	557
47.5°	351	381	429	490	521	547	584	632	681	734	775
45°	428	482	545	598	640	685	736	794	872	945	1000
42.5°	517	578	641	703	749	825	913	982	1093	1190	1252
40°	620	681	771	847	941	1038	1189	1329	1469	1632	1750
37.5°	744	838	965	1088	1227	1371	1640	1916	2141	2457	2633
35°	893	1038	1218	1401	1625	1970	2364	2896	3450	3911	4355
32.5°	1065	1251	1498	1827	2202	2756	3348	4329	5284	6239	7176
30°	1234	1504	1884	2335	2951	3828	4943	6458	8100	9538	10839
27.5°	1460	1843	2335	3009	4058	5344	7401	9506	11597	13464	14805
25°	1732	2245	2943	4059	5573	7706	10463	13043	15497	17327	18869
22.5°	2127	2896	3885	5307	8054	11020	14320	17567	20323	22629	24148
20°	2614	3654	5310	7885	11117	14827	19073	22488	25883	28478	30796
17.5°	3304	4960	7298	10569	14431	19379	23751	27560	31870	34522	36886
15°	3925	6053	9386	13560	18084	23329	28485	33149	37310	40224	42867
12.5°	4710	7216	11046	15956	20905	26743	32103	37098	41173	44172	46021
10°	5413	8407	12705	17840	23380	29479	35034	40233	44180	46498	47858
7.5°	5980	9397	14049	19452	25301	31440	37308	42468	46244	48184	49113
5°	6421	10131	15101	20773	26849	33130	39119	44170	47350	48954	49473
2.5°	6751	10642	15809	21643	27893	34378	40494	45471	48184	49341	49513
0°	6974	11001	16270	22190	28789	34826	41237	46291	48872	49801	49890
-2.5°	6921	10871	16250	21992	28686	35027	41356	46343	49105	50353	50556
-5°	6780	10565	15711	21430	27870	34220	40257	45523	48912	50797	51632
-7.5°	6509	10037	14789	20354	26549	32905	39060	44524	48424	51076	52709
-10°	6046	9265	13610	18993	25098	31154	37240	42911	47111	50303	52578
-12.5°	5414	8217	12173	17067	23203	28858	34620	40053	44638	48573	50925
-15°	4762	7126	10679	15157	20500	26068	31391	36723	41248	44929	47861
-17.5°	4297	6170	8949	12868	17559	22842	28036	32933	37017	40477	43553
-20°	3710	5100	7301	10596	14726	19344	24319	28678	32325	35569	38507

Classified

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

Scaled Data Report



REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	3242	4368	5958	8205	11916	15989	20058	24072	27500	30389	32897
-25°	2817	3607	4850	6678	9091	12608	16037	19426	22591	25277	27535
-27.5°	2483	3112	3940	5241	7072	9125	12130	14962	17683	20139	22268
-30°	2180	2651	3299	4113	5358	6883	8690	10808	12978	14916	16851
-32.5°	1962	2297	2743	3347	4044	5136	6228	7653	9027	10441	11829
-35°	1766	2036	2339	2743	3221	3859	4578	5449	6183	7109	7962
-37.5°	1632	1822	2053	2308	2651	3006	3494	4022	4478	4993	5427
-40°	1521	1670	1827	1999	2234	2474	2789	3086	3375	3689	3923
-42.5°	1428	1547	1660	1793	1932	2125	2336	2521	2697	2882	3035
-45°	1354	1443	1535	1638	1743	1883	2032	2171	2285	2388	2472
-47.5°	1275	1355	1436	1515	1606	1707	1805	1894	1989	2069	2127
-50°	1197	1277	1350	1419	1497	1576	1654	1725	1792	1852	1888
-52.5°	1122	1204	1276	1339	1405	1471	1535	1598	1657	1710	1735
-55°	1065	1140	1213	1270	1326	1381	1438	1498	1553	1604	1620
-57.5°	1002	1079	1148	1201	1252	1302	1355	1410	1463	1511	1527
-60°	929	1010	1071	1121	1173	1227	1277	1327	1376	1417	1434
-62.5°	843	915	971	1020	1067	1112	1166	1219	1270	1312	1337
-65°	740	803	857	906	952	995	1046	1095	1141	1178	1204
-67.5°	650	699	744	788	832	877	924	969	1013	1045	1067
-70°	561	607	649	690	729	768	806	845	882	910	931
-72.5°	474	514	550	586	622	657	690	723	754	779	799
-75°	392	425	457	487	518	545	571	596	621	642	660
-77.5°	309	336	363	389	415	437	457	476	495	512	529
-80°	236	256	276	295	315	331	347	362	376	390	403
-82.5°	169	183	195	209	222	233	244	255	265	275	285
-85°	108	115	122	129	137	144	150	157	164	170	176
-87.5°	51	55	58	61	65	68	71	75	78	81	84
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	8	8	9	9	9	8	8	7	6	6	6
60°	28	27	27	27	27	27	28	28	27	33	36
57.5°	134	125	116	107	116	125	134	138	134	130	124
55°	292	308	315	313	315	308	292	275	260	254	249
52.5°	415	422	420	411	420	422	415	402	382	361	338
50°	566	567	563	554	563	567	566	557	535	499	455
47.5°	796	808	814	813	814	808	796	775	734	681	632
45°	1021	1033	1037	1036	1037	1033	1021	1000	945	872	794
42.5°	1284	1304	1310	1304	1310	1304	1284	1252	1190	1093	982
40°	1820	1843	1832	1804	1832	1843	1820	1750	1632	1469	1329
37.5°	2757	2846	2883	2884	2883	2846	2757	2633	2457	2141	1916
35°	4754	5073	5219	5036	5219	5073	4754	4355	3911	3450	2896
32.5°	7941	8505	8823	8823	8823	8505	7941	7176	6239	5284	4329
30°	11823	12529	12926	13011	12926	12529	11823	10839	9538	8100	6458
27.5°	15850	16580	16959	16904	16959	16580	15850	14805	13464	11597	9506
25°	19890	20443	20761	20770	20761	20443	19890	18869	17327	15497	13043
22.5°	25858	27021	27500	27628	27500	27021	25858	24148	22629	20323	17567
20°	32365	33492	34219	34263	34219	33492	32365	30796	28478	25883	22488
17.5°	38563	39123	39226	39273	39226	39123	38563	36886	34522	31870	27560
15°	44406	44602	45119	45184	45119	44602	44406	42867	40224	37310	33149
12.5°	47182	47361	47272	47032	47272	47361	47182	46021	44172	41173	37098
10°	48694	48441	48065	47613	48065	48441	48694	47858	46498	44180	40233
7.5°	49037	48756	48092	47434	48092	48756	49037	49113	48184	46244	42468
5°	49199	48375	47537	46738	47537	48375	49199	49473	48954	47350	44170
2.5°	49103	48123	46972	46113	46972	48123	49103	49513	49341	48184	45471
0°	49417	48425	47220	46898	47220	48425	49417	49890	49801	48872	46291
-2.5°	50289	49485	48856	48684	48856	49485	50289	50556	50353	49105	46343
-5°	51858	51681	50612	50863	50612	51681	51858	51632	50797	48912	45523
-7.5°	53374	53123	52671	53256	52671	53123	53374	52709	51076	48424	44524
-10°	53778	53695	53907	54426	53907	53695	53778	52578	50303	47111	42911
-12.5°	52542	53189	53915	54462	53915	53189	52542	50925	48573	44638	40053
-15°	49787	51111	52196	52712	52196	51111	49787	47861	44929	41248	36723
-17.5°	45729	47353	48639	49006	48639	47353	45729	43553	40477	37017	32933
-20°	40734	42386	43556	44023	43556	42386	40734	38507	35569	32325	28678

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	35112	36724	37785	38344	37785	36724	35112	32897	30389	27500	24072
-25°	29406	30824	31765	32013	31765	30824	29406	27535	25277	22591	19426
-27.5°	23950	25090	25784	25860	25784	25090	23950	22268	20139	17683	14962
-30°	18461	19520	20121	20440	20121	19520	18461	16851	14916	12978	10808
-32.5°	12965	13805	14314	14448	14314	13805	12965	11829	10441	9027	7653
-35°	8644	9167	9489	9555	9489	9167	8644	7962	7109	6183	5449
-37.5°	5780	6035	6192	6269	6192	6035	5780	5427	4993	4478	4022
-40°	4095	4214	4281	4295	4281	4214	4095	3923	3689	3375	3086
-42.5°	3132	3193	3224	3233	3224	3193	3132	3035	2882	2697	2521
-45°	2531	2573	2599	2608	2599	2573	2531	2472	2388	2285	2171
-47.5°	2165	2192	2209	2215	2209	2192	2165	2127	2069	1989	1894
-50°	1910	1925	1932	1929	1932	1925	1910	1888	1852	1792	1725
-52.5°	1749	1760	1763	1759	1763	1760	1749	1735	1710	1657	1598
-55°	1630	1638	1638	1634	1638	1638	1630	1620	1604	1553	1498
-57.5°	1539	1548	1545	1536	1545	1548	1539	1527	1511	1463	1410
-60°	1448	1459	1460	1456	1460	1459	1448	1434	1417	1376	1327
-62.5°	1358	1376	1379	1375	1379	1376	1358	1337	1312	1270	1219
-65°	1228	1250	1250	1241	1250	1250	1228	1204	1178	1141	1095
-67.5°	1085	1101	1102	1098	1102	1101	1085	1067	1045	1013	969
-70°	950	968	968	964	968	968	950	931	910	882	845
-72.5°	818	834	838	839	838	834	818	799	779	754	723
-75°	677	693	691	688	691	693	677	660	642	621	596
-77.5°	545	559	558	554	558	559	545	529	512	495	476
-80°	415	426	424	420	424	426	415	403	390	376	362
-82.5°	294	302	299	295	299	302	294	285	275	265	255
-85°	181	187	187	188	187	187	181	176	170	164	157
-87.5°	86	89	85	80	85	89	86	84	81	78	75
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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	1
65°	0	0	0	0	0	0	0	0	0	0	2
62.5°	4	2	2	3	3	3	3	3	2	1	3
60°	32	21	28	29	23	17	24	21	9	7	6
57.5°	114	106	100	90	77	68	62	59	53	32	13
55°	247	221	192	173	162	138	115	99	92	75	50
52.5°	318	306	282	244	223	210	184	157	133	115	91
50°	418	410	387	350	316	289	267	230	196	167	136
47.5°	584	547	521	490	429	381	351	319	270	231	194
45°	736	685	640	598	545	482	428	385	341	295	257
42.5°	913	825	749	703	641	578	517	462	404	353	312
40°	1189	1038	941	847	771	681	620	554	484	413	369
37.5°	1640	1371	1227	1088	965	838	744	663	579	497	433
35°	2364	1970	1625	1401	1218	1038	893	785	686	592	503
32.5°	3348	2756	2202	1827	1498	1251	1065	923	787	683	590
30°	4943	3828	2951	2335	1884	1504	1234	1051	891	764	671
27.5°	7401	5344	4058	3009	2335	1843	1460	1182	990	845	739
25°	10463	7706	5573	4059	2943	2245	1732	1366	1107	923	815
22.5°	14320	11020	8054	5307	3885	2896	2127	1555	1236	1053	910
20°	19073	14827	11117	7885	5310	3654	2614	1881	1463	1208	1014
17.5°	23751	19379	14431	10569	7298	4960	3304	2297	1683	1365	1124
15°	28485	23329	18084	13560	9386	6053	3925	2699	1935	1540	1248
12.5°	32103	26743	20905	15956	11046	7216	4710	3213	2253	1684	1340
10°	35034	29479	23380	17840	12705	8407	5413	3597	2481	1802	1417
7.5°	37308	31440	25301	19452	14049	9397	5980	3896	2660	1906	1480
5°	39119	33130	26849	20773	15101	10131	6421	4127	2791	1993	1528
2.5°	40494	34378	27893	21643	15809	10642	6751	4322	2899	2077	1574
0°	41237	34826	28789	22190	16270	11001	6974	4474	2974	2143	1607
-2.5°	41356	35027	28686	21992	16250	10871	6921	4443	2984	2164	1632
-5°	40257	34220	27870	21430	15711	10565	6780	4351	2961	2162	1641
-7.5°	39060	32905	26549	20354	14789	10037	6509	4203	2911	2139	1635
-10°	37240	31154	25098	18993	13610	9265	6046	3979	2815	2088	1615
-12.5°	34620	28858	23203	17067	12173	8217	5414	3691	2671	2008	1579
-15°	31391	26068	20500	15157	10679	7126	4762	3335	2479	1902	1528
-17.5°	28036	22842	17559	12868	8949	6170	4297	3080	2311	1803	1468
-20°	24319	19344	14726	10596	7301	5100	3710	2770	2149	1721	1421

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REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	20058	15989	11916	8205	5958	4368	3242	2469	1968	1616	1365
-25°	16037	12608	9091	6678	4850	3607	2817	2250	1833	1522	1303
-27.5°	12130	9125	7072	5241	3940	3112	2483	2019	1686	1446	1254
-30°	8690	6883	5358	4113	3299	2651	2180	1844	1576	1367	1199
-32.5°	6228	5136	4044	3347	2743	2297	1962	1682	1473	1300	1156
-35°	4578	3859	3221	2743	2339	2036	1766	1564	1385	1231	1112
-37.5°	3494	3006	2651	2308	2053	1822	1632	1462	1299	1178	1069
-40°	2789	2474	2234	1999	1827	1670	1521	1370	1246	1124	1023
-42.5°	2336	2125	1932	1793	1660	1547	1428	1308	1191	1080	978
-45°	2032	1883	1743	1638	1535	1443	1354	1246	1137	1032	932
-47.5°	1805	1707	1606	1515	1436	1355	1275	1181	1077	978	891
-50°	1654	1576	1497	1419	1350	1277	1197	1106	1015	931	846
-52.5°	1535	1471	1405	1339	1276	1204	1122	1042	962	879	794
-55°	1438	1381	1326	1270	1213	1140	1065	985	902	821	736
-57.5°	1355	1302	1252	1201	1148	1079	1002	922	841	763	679
-60°	1277	1227	1173	1121	1071	1010	929	853	781	705	629
-62.5°	1166	1112	1067	1020	971	915	843	773	708	643	571
-65°	1046	995	952	906	857	803	740	684	629	571	507
-67.5°	924	877	832	788	744	699	650	600	547	491	431
-70°	806	768	729	690	649	607	561	512	461	411	363
-72.5°	690	657	622	586	550	514	474	431	387	344	302
-75°	571	545	518	487	457	425	392	354	319	284	251
-77.5°	457	437	415	389	363	336	309	280	253	226	199
-80°	347	331	315	295	276	256	236	213	190	168	148
-82.5°	244	233	222	209	195	183	169	153	136	120	105
-85°	150	144	137	129	122	115	108	97	86	76	67
-87.5°	71	68	65	61	58	55	51	46	41	36	32
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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	3	3	1	1	1	0	0
65°	3	2	0	2	4	6	4	3	3	2	0
62.5°	5	7	5	4	5	7	8	6	5	4	2
60°	6	8	9	7	6	8	9	8	6	6	4
57.5°	11	9	10	10	8	8	9	9	8	7	6
55°	24	16	13	12	10	9	9	9	9	8	9
52.5°	62	34	21	17	14	10	10	9	9	9	9
50°	104	70	39	25	18	14	12	10	9	9	9
47.5°	153	112	72	39	27	19	15	12	9	9	10
45°	211	160	110	69	38	29	19	15	11	9	11
42.5°	274	216	157	98	65	44	23	18	14	10	12
40°	328	277	206	144	94	61	37	21	16	11	12
37.5°	383	334	265	189	125	86	55	25	20	14	13
35°	441	386	323	239	166	109	75	33	25	18	13
32.5°	498	436	368	289	206	132	95	53	32	21	14
30°	569	482	411	337	247	166	115	72	39	25	15
27.5°	640	526	451	376	288	200	136	88	48	29	18
25°	709	583	490	411	326	237	159	104	60	36	21
22.5°	779	644	526	445	363	271	187	122	74	43	24
20°	854	703	562	484	397	304	216	141	86	51	26
17.5°	934	765	622	524	429	333	243	161	96	58	29
15°	1015	830	678	563	461	360	268	180	106	66	33
12.5°	1086	888	728	602	492	383	291	199	114	74	39
10°	1148	939	772	640	521	404	311	217	129	80	46
7.5°	1201	984	810	675	548	427	328	232	144	86	53
5°	1244	1020	838	702	572	453	343	243	159	91	59
2.5°	1279	1049	859	724	591	478	356	252	174	95	65
0°	1304	1072	875	741	607	500	366	259	187	98	71
-2.5°	1315	1087	900	755	628	511	379	273	196	111	74
-5°	1318	1096	919	765	646	519	389	285	203	123	76
-7.5°	1320	1101	930	774	659	524	398	295	209	133	78
-10°	1313	1100	933	784	663	530	404	303	215	142	79
-12.5°	1296	1094	932	789	664	535	413	308	219	148	80
-15°	1268	1082	928	788	663	538	419	311	221	150	81
-17.5°	1231	1065	920	781	660	539	421	311	222	149	84
-20°	1205	1046	910	768	656	537	420	307	221	147	87

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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°	1176	1028	892	757	651	533	416	300	218	145	89
-25°	1137	1005	872	751	643	527	408	288	213	142	90
-27.5°	1104	979	851	739	629	516	394	281	207	138	90
-30°	1072	953	833	723	613	501	374	273	201	137	89
-32.5°	1038	925	811	701	593	484	355	262	195	135	87
-35°	1003	894	784	675	573	463	341	249	189	131	85
-37.5°	964	860	752	649	553	441	333	245	183	125	82
-40°	924	823	719	626	529	418	322	241	175	118	79
-42.5°	883	787	691	603	504	402	309	233	167	112	75
-45°	843	750	661	571	480	383	296	222	156	107	72
-47.5°	802	713	623	535	454	361	279	208	144	102	70
-50°	756	667	578	500	421	337	259	192	138	97	67
-52.5°	703	611	536	465	388	308	238	175	131	93	64
-55°	645	565	500	428	353	280	216	165	122	88	60
-57.5°	601	529	461	390	319	252	197	153	115	83	57
-60°	557	486	419	349	283	226	182	141	107	77	54
-62.5°	503	438	370	305	249	204	165	129	97	71	51
-65°	441	378	316	265	219	180	149	117	88	65	46
-67.5°	372	321	270	225	190	159	131	103	78	58	42
-70°	316	269	227	194	164	138	113	89	67	51	37
-72.5°	264	228	192	163	139	116	94	74	58	43	31
-75°	218	188	159	135	114	94	77	61	47	35	28
-77.5°	173	148	126	107	91	76	61	47	38	31	25
-80°	130	113	98	83	70	57	47	38	32	27	22
-82.5°	92	81	70	61	52	44	37	31	27	23	18
-85°	59	53	46	41	36	31	27	23	19	15	12
-87.5°	29	26	23	20	18	16	13	11	9	8	6
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627766 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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	2	0	0	0	0
67.5°	1	3	3	1	0	0	0
65°	1	3	4	2	0	0	0
62.5°	1	3	5	3	0	0	0
60°	2	4	6	4	0	0	0
57.5°	3	4	6	5	1	0	0
55°	5	4	6	6	1	0	0
52.5°	7	5	6	7	2	0	0
50°	8	6	7	8	3	0	0
47.5°	9	6	7	8	3	0	0
45°	10	7	7	9	4	0	0
42.5°	11	8	7	9	4	0	0
40°	12	8	8	9	5	0	0
37.5°	13	9	8	9	5	0	0
35°	14	9	8	9	6	0	0
32.5°	15	10	9	9	6	0	0
30°	16	11	9	9	7	0	0
27.5°	16	12	9	9	7	0	0
25°	17	13	9	9	7	0	0
22.5°	17	14	9	9	8	0	0
20°	18	15	9	9	8	0	0
17.5°	18	16	9	9	8	0	0
15°	19	16	9	9	8	0	0
12.5°	20	17	9	9	8	0	0
10°	22	17	9	9	9	0	0
7.5°	23	18	9	9	9	0	0
5°	24	18	9	9	9	0	0
2.5°	26	18	9	9	9	0	0
0°	27	18	9	9	9	0	0
-2.5°	32	19	10	9	9	0	0
-5°	36	20	10	9	9	0	0
-7.5°	40	20	11	9	9	1	0
-10°	44	21	12	9	9	1	0
-12.5°	47	22	12	9	9	1	0
-15°	49	22	13	9	8	1	0
-17.5°	50	23	13	9	8	1	0
-20°	51	23	14	9	8	1	0

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CATALOG NUMBER: GFLD-SA5E-740-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51	23	14	9	8	2	0
-25°	51	24	14	9	8	2	0
-27.5°	51	26	13	9	8	2	0
-30°	50	27	13	9	8	2	0
-32.5°	48	28	14	9	8	2	0
-35°	49	29	14	9	8	2	0
-37.5°	49	29	15	9	7	2	0
-40°	49	30	15	9	7	2	0
-42.5°	49	30	15	9	7	2	0
-45°	48	29	16	10	7	2	0
-47.5°	46	29	16	10	7	2	0
-50°	45	28	16	10	7	2	0
-52.5°	43	27	16	10	7	2	0
-55°	42	26	16	11	8	2	0
-57.5°	40	26	16	11	8	2	0
-60°	37	24	15	11	8	2	0
-62.5°	35	23	15	11	7	2	0
-65°	32	21	15	11	7	2	0
-67.5°	29	20	15	11	6	2	0
-70°	26	19	14	11	6	1	0
-72.5°	24	18	14	10	5	1	0
-75°	22	17	13	8	4	1	0
-77.5°	20	16	11	7	4	1	0
-80°	18	13	9	6	3	1	0
-82.5°	14	10	7	4	2	1	0
-85°	9	7	5	3	2	0	0
-87.5°	5	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)