

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: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627756 (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-735-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

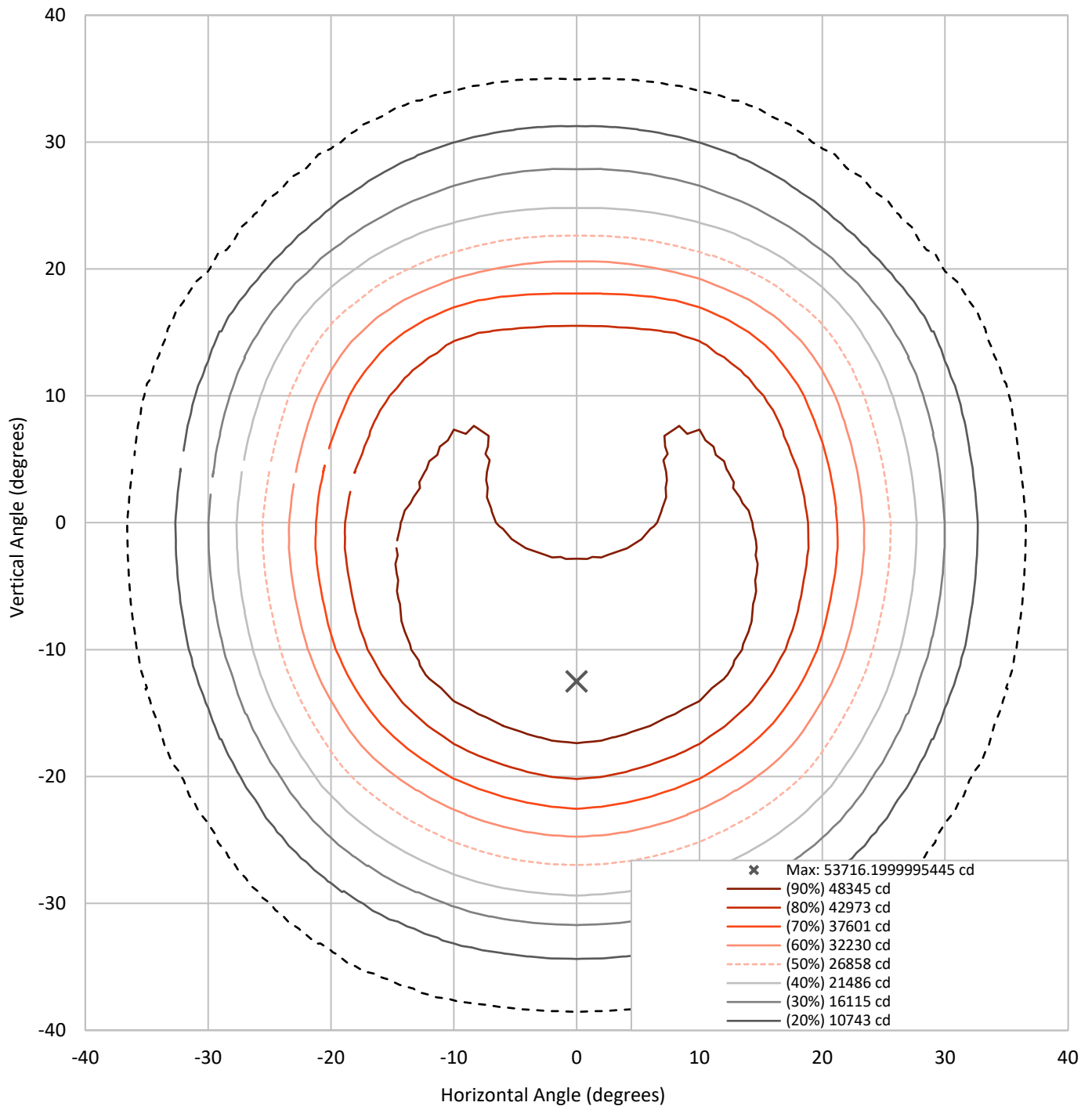
Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	38341.7 lumens	Max Intensity:	53716.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	122.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	25681.1 lumens	Field Lumens:	34559.1 lumens
Beam Efficiency:	67.0%	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		



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





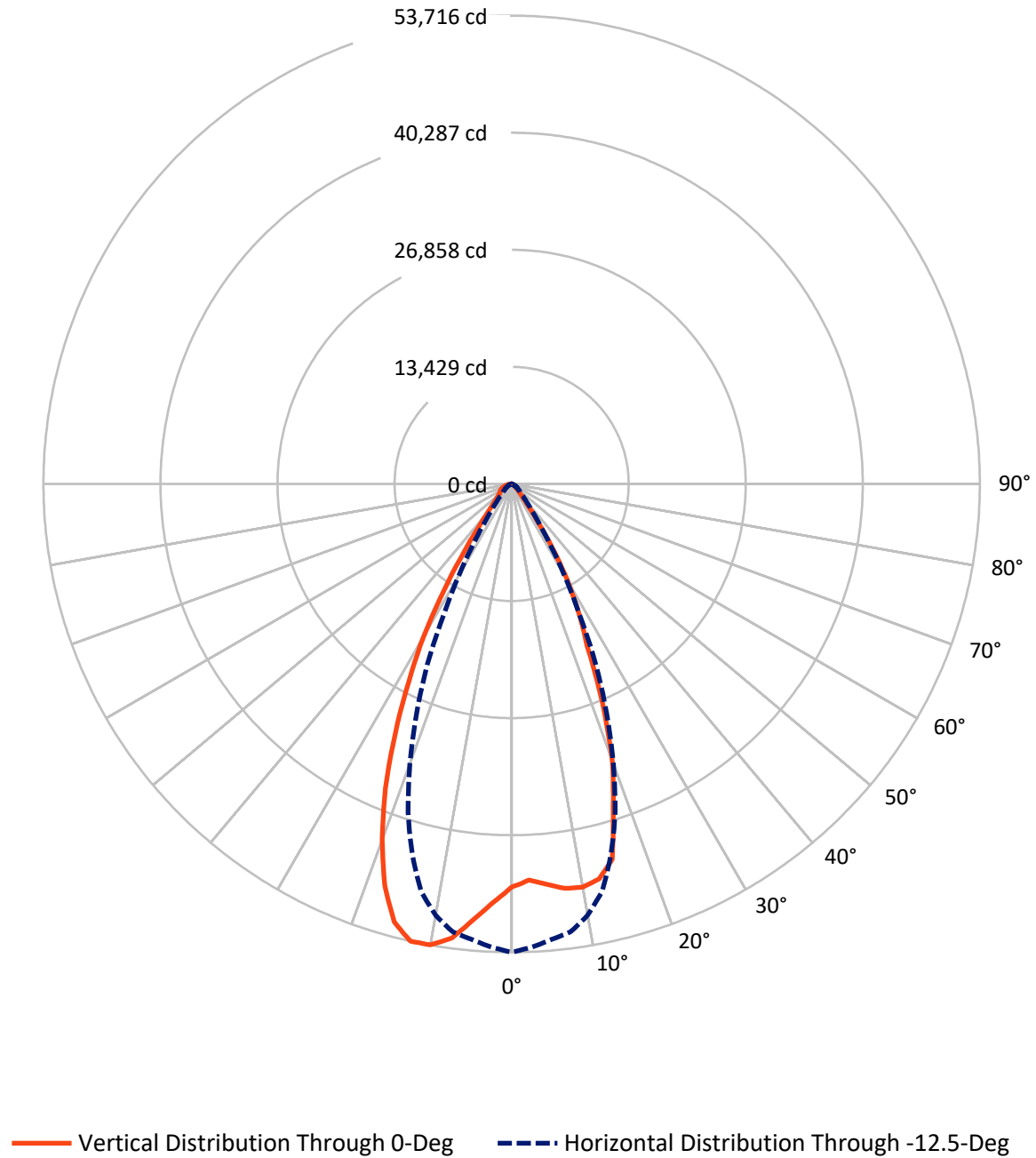
REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.1	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	1.2	3.1	5.3	7.3	8.5	8.5	7.3	5.3	3.1	1.2	0.3	0.1				
40	0.2	0.2	1.5	5.4	10.8	17.6	26.3	32.2	32.2	26.3	17.6	10.8	5.4	1.5	0.2	0.2			
30		0.7	4.3	11.1	23.0	49.8	113.2	172.8	172.8	113.2	49.8	23.0	11.1	4.3	0.7				
20	0.4	1.5	7.1	17.9	48.1	178.3	459.0	641.5	641.5	459.0	178.3	48.1	17.9	7.1	1.5	0.4			
10		2.5	10.0	27.7	114.5	495.0	1032.6	1278.4	1278.4	1032.6	495.0	114.5	27.7	10.0	2.5				
0	0.8	3.3	12.4	35.7	182.3	728.9	1331.3	1443.3	1443.3	1331.3	728.9	182.3	35.7	12.4	3.3	0.8			
-10		3.9	13.6	38.2	190.7	752.8	1379.3	1531.9	1531.9	1379.3	752.8	190.7	38.2	13.6	3.9				
-20	1.1	4.2	13.9	34.7	136.5	560.5	1163.6	1485.7	1485.7	1163.6	560.5	136.5	34.7	13.9	4.2	1.1			
-30		4.1	13.2	28.9	76.3	271.9	648.3	912.3	912.3	648.3	271.9	76.3	28.9	13.2	4.1				
-40	1.0	3.6	11.8	24.0	45.5	96.8	202.6	300.6	300.6	202.6	96.8	45.5	24.0	11.8	3.6	1.0			
-50		3.0	9.9	20.0	33.3	49.1	69.1	81.9	81.9	69.1	49.1	33.3	20.0	9.9	3.0				
-60	0.7	2.3	7.4	15.7	26.1	36.2	45.2	49.4	49.4	45.2	36.2	26.1	15.7	7.4	2.3	0.7			
-70		1.5	4.7	10.7	18.4	25.9	32.8	36.6	36.6	32.8	25.9	18.4	10.7	4.7	1.5				
-80	0.3	4.2	19.3	41.1	52.7	41.1	19.3	4.2	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

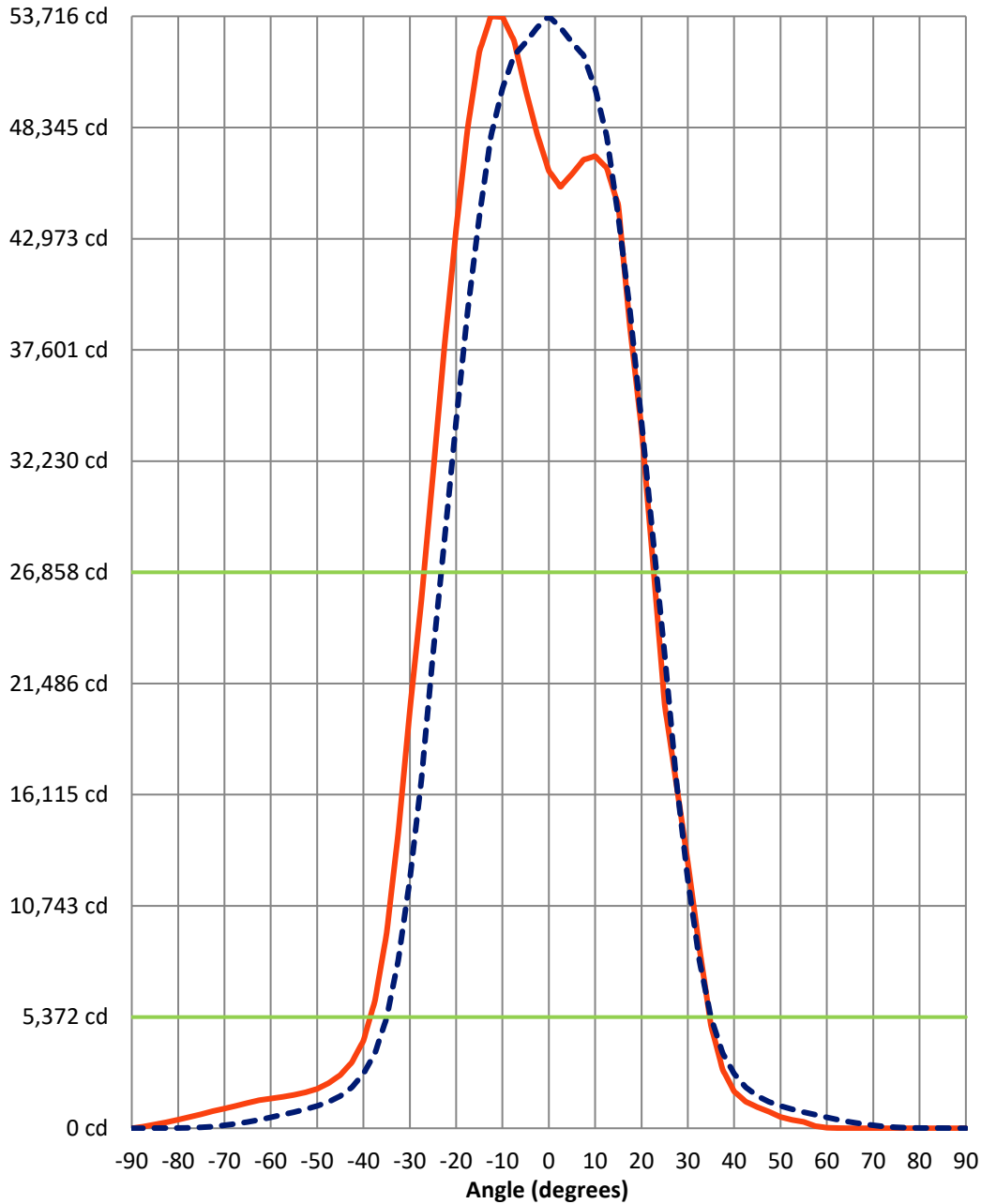
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 25681.1
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 34559.1
 Efficiency: 90.1%

Spill:
 Lumens: 3782.5
 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	6	9	9	9	9
50°	0	0	3	8	6	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	14
42.5°	0	0	4	9	7	8	10	11	10	13	18
40°	0	0	5	9	8	8	11	12	11	16	21
37.5°	0	0	5	9	8	9	13	12	14	20	24
35°	0	0	6	9	8	9	14	13	18	25	33
32.5°	0	0	6	9	9	10	15	14	21	31	53
30°	0	0	6	9	9	11	15	15	24	39	71
27.5°	0	0	7	9	9	12	16	17	29	47	87
25°	0	0	7	9	9	13	16	20	35	59	102
22.5°	0	0	7	9	9	14	17	23	42	73	120
20°	0	0	8	9	9	15	17	26	50	84	139
17.5°	0	0	8	9	9	16	18	29	57	95	158
15°	0	0	8	9	9	16	19	33	65	105	178
12.5°	0	0	8	9	9	17	20	39	73	113	197
10°	0	0	9	9	9	17	21	45	79	127	214
7.5°	0	0	9	9	9	17	23	52	85	142	228
5°	0	0	9	9	9	17	24	58	89	157	240
2.5°	0	0	9	9	9	18	25	65	93	172	248
0°	0	0	9	9	9	18	26	70	97	185	255
-2.5°	0	0	9	9	10	19	31	73	109	193	269
-5°	0	0	9	9	10	19	35	75	121	200	281
-7.5°	0	1	9	9	11	20	40	77	131	206	291
-10°	0	1	9	9	12	21	43	78	140	212	298
-12.5°	0	1	8	9	12	21	46	79	146	216	304
-15°	0	1	8	9	13	22	48	80	148	218	307
-17.5°	0	1	8	9	13	22	49	83	147	219	307
-20°	0	1	8	9	13	23	50	86	145	218	303

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CATALOG NUMBER: GFLD-SA5E-735-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	88	143	215	295
-25°	0	2	8	9	13	24	50	89	140	210	284
-27.5°	0	2	8	9	13	26	50	89	136	204	278
-30°	0	2	8	9	13	27	49	88	135	199	269
-32.5°	0	2	8	9	14	28	48	86	133	193	259
-35°	0	2	7	9	14	29	48	84	129	187	246
-37.5°	0	2	7	9	14	29	48	81	124	181	242
-40°	0	2	7	9	15	29	49	78	116	173	238
-42.5°	0	2	7	9	15	29	48	74	110	164	230
-45°	0	2	7	9	16	29	47	71	106	154	219
-47.5°	0	2	7	10	16	28	45	69	100	142	205
-50°	0	2	7	10	16	28	44	66	96	136	190
-52.5°	0	2	7	10	16	27	43	63	91	129	173
-55°	0	2	7	11	16	26	41	59	87	121	163
-57.5°	0	2	8	11	16	25	39	56	81	113	151
-60°	0	2	8	11	15	24	37	53	76	105	139
-62.5°	0	2	7	11	15	23	35	50	70	96	128
-65°	0	2	7	11	15	21	32	46	64	87	115
-67.5°	0	2	6	11	15	20	29	41	57	77	102
-70°	0	1	6	11	14	19	25	36	50	66	88
-72.5°	0	1	5	10	14	18	23	31	43	57	73
-75°	0	1	4	8	13	17	22	28	35	46	60
-77.5°	0	1	4	7	11	16	20	25	31	37	46
-80°	0	1	3	6	9	13	18	22	26	32	38
-82.5°	0	1	2	4	7	10	14	18	22	26	31
-85°	0	0	2	3	5	7	9	12	15	18	22
-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: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-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	7	6	7	9	8	6	6	7	8	21
57.5°	9	8	8	10	10	9	11	12	32	53	58
55°	9	9	10	12	13	15	23	49	74	91	98
52.5°	10	10	13	16	20	33	61	90	113	131	155
50°	11	14	18	24	39	69	103	135	165	193	227
47.5°	15	18	26	39	71	110	151	191	227	267	315
45°	18	28	38	68	109	158	208	254	291	337	380
42.5°	22	43	64	97	155	213	270	307	349	399	455
40°	37	60	92	142	204	274	324	364	408	478	547
37.5°	54	85	123	187	262	329	378	427	490	571	654
35°	74	108	164	236	318	381	435	496	584	676	775
32.5°	94	130	203	285	363	430	491	582	674	776	911
30°	113	164	243	332	405	475	561	662	753	878	1036
27.5°	134	198	284	371	445	518	631	729	834	976	1166
25°	157	234	321	406	483	575	700	804	911	1092	1347
22.5°	184	267	358	439	519	636	769	898	1039	1219	1534
20°	213	300	392	478	555	693	842	1001	1192	1443	1856
17.5°	240	329	424	517	613	755	921	1109	1346	1660	2265
15°	265	355	455	556	669	819	1002	1231	1519	1909	2662
12.5°	287	378	485	594	718	876	1071	1322	1661	2222	3169
10°	307	399	514	631	761	926	1133	1398	1777	2447	3547
7.5°	324	421	541	666	799	970	1184	1459	1880	2623	3843
5°	338	447	564	692	827	1006	1227	1507	1966	2753	4070
2.5°	351	471	583	714	847	1035	1261	1552	2049	2859	4263
0°	361	493	599	731	863	1057	1286	1585	2114	2933	4412
-2.5°	374	504	620	745	888	1072	1298	1609	2135	2943	4383
-5°	384	512	637	755	907	1081	1300	1618	2132	2920	4292
-7.5°	392	517	650	763	918	1086	1302	1613	2110	2871	4146
-10°	399	522	654	773	921	1085	1295	1593	2060	2776	3925
-12.5°	407	528	655	778	920	1079	1278	1558	1981	2635	3641
-15°	413	531	654	777	915	1067	1251	1507	1876	2445	3289
-17.5°	415	532	651	771	908	1050	1214	1448	1779	2279	3038
-20°	415	530	647	758	897	1032	1189	1402	1697	2120	2732

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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°	411	526	642	747	880	1014	1159	1346	1594	1941	2435
-25°	402	520	634	740	861	991	1122	1285	1502	1808	2219
-27.5°	388	509	621	729	839	966	1089	1237	1426	1663	1991
-30°	369	494	604	713	821	939	1057	1183	1349	1554	1819
-32.5°	350	478	585	691	800	912	1023	1140	1282	1453	1659
-35°	337	456	566	666	773	882	989	1097	1214	1366	1543
-37.5°	329	435	546	640	742	848	951	1054	1162	1281	1442
-40°	318	412	522	618	709	812	912	1009	1109	1229	1352
-42.5°	304	397	497	595	681	776	871	965	1065	1175	1290
-45°	292	378	473	564	652	740	832	920	1018	1122	1229
-47.5°	275	356	448	528	614	703	791	879	965	1062	1165
-50°	255	332	416	493	570	657	746	834	919	1001	1091
-52.5°	235	303	382	458	529	603	693	783	867	949	1028
-55°	213	277	348	422	493	558	636	726	810	890	972
-57.5°	195	249	314	385	454	521	593	670	752	830	909
-60°	179	223	279	344	413	480	549	621	695	770	841
-62.5°	162	201	246	300	365	432	497	564	634	698	762
-65°	147	178	216	261	312	372	435	500	563	620	675
-67.5°	130	157	187	222	266	317	367	425	485	540	592
-70°	112	136	162	191	224	265	312	358	406	454	505
-72.5°	93	115	137	160	190	224	261	298	339	382	425
-75°	76	93	112	133	157	185	215	248	280	314	349
-77.5°	60	75	90	106	124	146	170	196	223	249	276
-80°	46	56	69	82	96	112	128	146	166	187	210
-82.5°	37	44	51	60	70	80	91	103	119	134	151
-85°	26	31	35	40	46	52	59	66	75	85	96
-87.5°	13	15	18	20	23	25	28	31	36	40	45
-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°	23	17	22	29	28	21	31	36	33	27	27
57.5°	62	67	76	89	99	104	112	122	128	132	136
55°	113	136	159	171	189	218	244	246	250	257	271
52.5°	181	208	220	241	278	302	313	334	356	377	396
50°	263	285	312	345	381	405	412	449	493	528	550
47.5°	346	375	423	483	514	540	576	623	672	724	764
45°	422	476	537	590	631	676	726	783	860	932	986
42.5°	510	570	632	694	738	814	900	968	1078	1174	1235
40°	612	671	760	836	928	1024	1173	1310	1449	1609	1726
37.5°	734	826	952	1073	1210	1352	1618	1890	2112	2424	2597
35°	881	1024	1201	1382	1602	1943	2331	2857	3402	3857	4296
32.5°	1050	1234	1478	1802	2172	2719	3302	4269	5212	6154	7078
30°	1217	1483	1858	2303	2910	3776	4875	6370	7989	9407	10691
27.5°	1440	1817	2303	2968	4002	5271	7300	9376	11438	13279	14602
25°	1709	2215	2902	4003	5496	7600	10320	12865	15285	17090	18610
22.5°	2098	2856	3832	5234	7944	10869	14124	17326	20044	22319	23818
20°	2578	3604	5237	7778	10965	14624	18812	22180	25529	28088	30374
17.5°	3259	4892	7198	10425	14233	19113	23426	27182	31433	34049	36381
15°	3871	5970	9257	13374	17837	23009	28095	32695	36799	39674	42280
12.5°	4645	7117	10895	15738	20619	26377	31664	36590	40609	43567	45391
10°	5339	8292	12531	17595	23060	29075	34555	39682	43575	45861	47203
7.5°	5899	9268	13856	19186	24954	31009	36797	41886	45611	47524	48440
5°	6333	9992	14894	20489	26481	32676	38583	43565	46702	48284	48796
2.5°	6658	10496	15593	21347	27512	33907	39939	44848	47525	48666	48835
0°	6879	10851	16047	21886	28395	34349	40672	45657	48203	49119	49207
-2.5°	6827	10722	16027	21691	28293	34547	40789	45709	48433	49664	49864
-5°	6688	10421	15495	21136	27489	33752	39705	44900	48243	50102	50925
-7.5°	6420	9899	14587	20076	26185	32454	38525	43915	47761	50377	51987
-10°	5963	9138	13424	18733	24755	30728	36730	42324	46466	49614	51858
-12.5°	5340	8104	12006	16833	22886	28463	34146	39505	44026	47908	50227
-15°	4697	7028	10533	14949	20219	25711	30962	36220	40684	44314	47206
-17.5°	4239	6086	8827	12692	17319	22530	27652	32482	36510	39923	42956
-20°	3659	5031	7202	10451	14525	19080	23986	28286	31883	35082	37980

Classified

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

Scaled Data Report



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-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°	3198	4308	5876	8093	11753	15770	19784	23742	27123	29973	32446
-25°	2778	3558	4784	6586	8966	12435	15817	19160	22282	24931	27158
-27.5°	2449	3069	3886	5169	6976	9000	11964	14757	17441	19863	21964
-30°	2150	2615	3254	4057	5285	6789	8571	10660	12800	14712	16621
-32.5°	1935	2266	2705	3301	3989	5065	6143	7548	8903	10298	11667
-35°	1742	2008	2307	2706	3177	3806	4515	5374	6099	7012	7853
-37.5°	1610	1797	2025	2277	2615	2965	3446	3967	4416	4925	5352
-40°	1500	1647	1802	1971	2203	2440	2750	3043	3328	3638	3869
-42.5°	1408	1526	1638	1769	1906	2096	2304	2487	2660	2842	2993
-45°	1336	1424	1514	1615	1719	1857	2004	2141	2254	2355	2438
-47.5°	1258	1337	1416	1494	1584	1684	1780	1868	1962	2040	2098
-50°	1181	1259	1331	1399	1477	1555	1632	1701	1768	1827	1863
-52.5°	1107	1188	1258	1321	1386	1451	1514	1577	1635	1687	1711
-55°	1050	1125	1196	1252	1307	1362	1418	1478	1532	1582	1598
-57.5°	988	1064	1133	1185	1235	1284	1337	1391	1443	1491	1506
-60°	917	996	1057	1105	1157	1210	1260	1309	1357	1398	1415
-62.5°	831	902	958	1007	1053	1096	1150	1202	1253	1294	1319
-65°	730	791	845	894	939	981	1032	1080	1126	1162	1188
-67.5°	641	689	734	777	821	865	911	956	999	1031	1052
-70°	553	598	640	680	719	757	795	833	870	898	919
-72.5°	467	506	542	578	614	648	680	713	744	768	788
-75°	386	420	450	481	511	537	563	588	612	633	651
-77.5°	304	332	358	384	409	431	451	470	488	505	522
-80°	233	253	272	291	311	327	342	357	371	385	397
-82.5°	167	180	193	206	219	230	241	252	262	272	281
-85°	106	114	121	128	135	142	148	155	161	167	173
-87.5°	50	54	57	61	64	67	70	74	77	80	82
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-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°	27	26	26	26	26	26	27	27	27	33	36
57.5°	133	123	115	106	115	123	133	136	132	128	122
55°	288	304	311	308	311	304	288	271	257	250	246
52.5°	409	417	415	405	415	417	409	396	377	356	334
50°	559	560	555	546	555	560	559	550	528	493	449
47.5°	785	797	802	802	802	797	785	764	724	672	623
45°	1007	1019	1023	1022	1023	1019	1007	986	932	860	783
42.5°	1267	1286	1292	1286	1292	1286	1267	1235	1174	1078	968
40°	1795	1817	1807	1779	1807	1817	1795	1726	1609	1449	1310
37.5°	2719	2807	2844	2845	2844	2807	2719	2597	2424	2112	1890
35°	4689	5003	5147	4967	5147	5003	4689	4296	3857	3402	2857
32.5°	7832	8388	8702	8702	8702	8388	7832	7078	6154	5212	4269
30°	11661	12358	12749	12832	12749	12358	11661	10691	9407	7989	6370
27.5°	15633	16353	16727	16672	16727	16353	15633	14602	13279	11438	9376
25°	19618	20163	20477	20486	20477	20163	19618	18610	17090	15285	12865
22.5°	25504	26651	27124	27250	27124	26651	25504	23818	22319	20044	17326
20°	31921	33034	33751	33794	33751	33034	31921	30374	28088	25529	22180
17.5°	38035	38587	38689	38735	38689	38587	38035	36381	34049	31433	27182
15°	43798	43992	44501	44565	44501	43992	43798	42280	39674	36799	32695
12.5°	46536	46713	46625	46388	46625	46713	46536	45391	43567	40609	36590
10°	48028	47778	47407	46961	47407	47778	48028	47203	45861	43575	39682
7.5°	48365	48089	47434	46785	47434	48089	48365	48440	47524	45611	41886
5°	48526	47713	46886	46098	46886	47713	48526	48796	48284	46702	43565
2.5°	48431	47464	46329	45481	46329	47464	48431	48835	48666	47525	44848
0°	48740	47762	46573	46256	46573	47762	48740	49207	49119	48203	45657
-2.5°	49600	48808	48187	48018	48187	48808	49600	49864	49664	48433	45709
-5°	51148	50974	49919	50167	49919	50974	51148	50925	50102	48243	44900
-7.5°	52644	52396	51949	52527	51949	52396	52644	51987	50377	47761	43915
-10°	53041	52960	53169	53681	53169	52960	53041	51858	49614	46466	42324
-12.5°	51822	52461	53177	53716	53177	52461	51822	50227	47908	44026	39505
-15°	49105	50411	51481	51990	51481	50411	49105	47206	44314	40684	36220
-17.5°	45103	46705	47973	48335	47973	46705	45103	42956	39923	36510	32482
-20°	40176	41805	42959	43420	42959	41805	40176	37980	35082	31883	28286



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-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°	34631	36222	37268	37819	37268	36222	34631	32446	29973	27123	23742
-25°	29003	30402	31330	31574	31330	30402	29003	27158	24931	22282	19160
-27.5°	23622	24746	25431	25506	25431	24746	23622	21964	19863	17441	14757
-30°	18208	19252	19845	20160	19845	19252	18208	16621	14712	12800	10660
-32.5°	12788	13616	14118	14250	14118	13616	12788	11667	10298	8903	7548
-35°	8526	9042	9359	9424	9359	9042	8526	7853	7012	6099	5374
-37.5°	5701	5952	6107	6183	6107	5952	5701	5352	4925	4416	3967
-40°	4039	4157	4223	4236	4223	4157	4039	3869	3638	3328	3043
-42.5°	3089	3149	3180	3188	3180	3149	3089	2993	2842	2660	2487
-45°	2496	2538	2563	2572	2563	2538	2496	2438	2355	2254	2141
-47.5°	2135	2162	2179	2184	2179	2162	2135	2098	2040	1962	1868
-50°	1884	1899	1905	1902	1905	1899	1884	1863	1827	1768	1701
-52.5°	1725	1736	1739	1735	1739	1736	1725	1711	1687	1635	1577
-55°	1608	1615	1616	1612	1616	1615	1608	1598	1582	1532	1478
-57.5°	1518	1527	1524	1515	1524	1527	1518	1506	1491	1443	1391
-60°	1428	1439	1440	1436	1440	1439	1428	1415	1398	1357	1309
-62.5°	1340	1357	1360	1356	1360	1357	1340	1319	1294	1253	1202
-65°	1211	1233	1232	1224	1232	1233	1211	1188	1162	1126	1080
-67.5°	1070	1086	1087	1083	1087	1086	1070	1052	1031	999	956
-70°	937	954	955	951	955	954	937	919	898	870	833
-72.5°	807	823	827	828	827	823	807	788	768	744	713
-75°	668	683	682	678	682	683	668	651	633	612	588
-77.5°	537	552	550	546	550	552	537	522	505	488	470
-80°	409	421	418	414	418	421	409	397	385	371	357
-82.5°	290	298	295	291	295	298	290	281	272	262	252
-85°	179	184	185	185	185	184	179	173	167	161	155
-87.5°	85	88	84	79	84	88	85	82	80	77	74
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-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°	31	21	28	29	22	17	23	21	8	7	6
57.5°	112	104	99	89	76	67	62	58	53	32	12
55°	244	218	189	171	159	136	113	98	91	74	49
52.5°	313	302	278	241	220	208	181	155	131	113	90
50°	412	405	381	345	312	285	263	227	193	165	135
47.5°	576	540	514	483	423	375	346	315	267	227	191
45°	726	676	631	590	537	476	422	380	337	291	254
42.5°	900	814	738	694	632	570	510	455	399	349	307
40°	1173	1024	928	836	760	671	612	547	478	408	364
37.5°	1618	1352	1210	1073	952	826	734	654	571	490	427
35°	2331	1943	1602	1382	1201	1024	881	775	676	584	496
32.5°	3302	2719	2172	1802	1478	1234	1050	911	776	674	582
30°	4875	3776	2910	2303	1858	1483	1217	1036	878	753	662
27.5°	7300	5271	4002	2968	2303	1817	1440	1166	976	834	729
25°	10320	7600	5496	4003	2902	2215	1709	1347	1092	911	804
22.5°	14124	10869	7944	5234	3832	2856	2098	1534	1219	1039	898
20°	18812	14624	10965	7778	5237	3604	2578	1856	1443	1192	1001
17.5°	23426	19113	14233	10425	7198	4892	3259	2265	1660	1346	1109
15°	28095	23009	17837	13374	9257	5970	3871	2662	1909	1519	1231
12.5°	31664	26377	20619	15738	10895	7117	4645	3169	2222	1661	1322
10°	34555	29075	23060	17595	12531	8292	5339	3547	2447	1777	1398
7.5°	36797	31009	24954	19186	13856	9268	5899	3843	2623	1880	1459
5°	38583	32676	26481	20489	14894	9992	6333	4070	2753	1966	1507
2.5°	39939	33907	27512	21347	15593	10496	6658	4263	2859	2049	1552
0°	40672	34349	28395	21886	16047	10851	6879	4412	2933	2114	1585
-2.5°	40789	34547	28293	21691	16027	10722	6827	4383	2943	2135	1609
-5°	39705	33752	27489	21136	15495	10421	6688	4292	2920	2132	1618
-7.5°	38525	32454	26185	20076	14587	9899	6420	4146	2871	2110	1613
-10°	36730	30728	24755	18733	13424	9138	5963	3925	2776	2060	1593
-12.5°	34146	28463	22886	16833	12006	8104	5340	3641	2635	1981	1558
-15°	30962	25711	20219	14949	10533	7028	4697	3289	2445	1876	1507
-17.5°	27652	22530	17319	12692	8827	6086	4239	3038	2279	1779	1448
-20°	23986	19080	14525	10451	7202	5031	3659	2732	2120	1697	1402

Classified

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REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-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°	19784	15770	11753	8093	5876	4308	3198	2435	1941	1594	1346
-25°	15817	12435	8966	6586	4784	3558	2778	2219	1808	1502	1285
-27.5°	11964	9000	6976	5169	3886	3069	2449	1991	1663	1426	1237
-30°	8571	6789	5285	4057	3254	2615	2150	1819	1554	1349	1183
-32.5°	6143	5065	3989	3301	2705	2266	1935	1659	1453	1282	1140
-35°	4515	3806	3177	2706	2307	2008	1742	1543	1366	1214	1097
-37.5°	3446	2965	2615	2277	2025	1797	1610	1442	1281	1162	1054
-40°	2750	2440	2203	1971	1802	1647	1500	1352	1229	1109	1009
-42.5°	2304	2096	1906	1769	1638	1526	1408	1290	1175	1065	965
-45°	2004	1857	1719	1615	1514	1424	1336	1229	1122	1018	920
-47.5°	1780	1684	1584	1494	1416	1337	1258	1165	1062	965	879
-50°	1632	1555	1477	1399	1331	1259	1181	1091	1001	919	834
-52.5°	1514	1451	1386	1321	1258	1188	1107	1028	949	867	783
-55°	1418	1362	1307	1252	1196	1125	1050	972	890	810	726
-57.5°	1337	1284	1235	1185	1133	1064	988	909	830	752	670
-60°	1260	1210	1157	1105	1057	996	917	841	770	695	621
-62.5°	1150	1096	1053	1007	958	902	831	762	698	634	564
-65°	1032	981	939	894	845	791	730	675	620	563	500
-67.5°	911	865	821	777	734	689	641	592	540	485	425
-70°	795	757	719	680	640	598	553	505	454	406	358
-72.5°	680	648	614	578	542	506	467	425	382	339	298
-75°	563	537	511	481	450	420	386	349	314	280	248
-77.5°	451	431	409	384	358	332	304	276	249	223	196
-80°	342	327	311	291	272	253	233	210	187	166	146
-82.5°	241	230	219	206	193	180	167	151	134	119	103
-85°	148	142	135	128	121	114	106	96	85	75	66
-87.5°	70	67	64	61	57	54	50	45	40	36	31
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-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	7	9	8	6	6	4
57.5°	11	9	10	10	8	8	9	9	8	7	6
55°	23	15	13	12	10	9	9	9	9	8	9
52.5°	61	33	20	16	13	10	10	9	9	9	9
50°	103	69	39	24	18	14	11	10	9	9	9
47.5°	151	110	71	39	26	18	15	12	9	9	10
45°	208	158	109	68	38	28	18	14	11	9	11
42.5°	270	213	155	97	64	43	22	18	13	10	11
40°	324	274	204	142	92	60	37	21	16	11	12
37.5°	378	329	262	187	123	85	54	24	20	14	12
35°	435	381	318	236	164	108	74	33	25	18	13
32.5°	491	430	363	285	203	130	94	53	31	21	14
30°	561	475	405	332	243	164	113	71	39	24	15
27.5°	631	518	445	371	284	198	134	87	47	29	17
25°	700	575	483	406	321	234	157	102	59	35	20
22.5°	769	636	519	439	358	267	184	120	73	42	23
20°	842	693	555	478	392	300	213	139	84	50	26
17.5°	921	755	613	517	424	329	240	158	95	57	29
15°	1002	819	669	556	455	355	265	178	105	65	33
12.5°	1071	876	718	594	485	378	287	197	113	73	39
10°	1133	926	761	631	514	399	307	214	127	79	45
7.5°	1184	970	799	666	541	421	324	228	142	85	52
5°	1227	1006	827	692	564	447	338	240	157	89	58
2.5°	1261	1035	847	714	583	471	351	248	172	93	65
0°	1286	1057	863	731	599	493	361	255	185	97	70
-2.5°	1298	1072	888	745	620	504	374	269	193	109	73
-5°	1300	1081	907	755	637	512	384	281	200	121	75
-7.5°	1302	1086	918	763	650	517	392	291	206	131	77
-10°	1295	1085	921	773	654	522	399	298	212	140	78
-12.5°	1278	1079	920	778	655	528	407	304	216	146	79
-15°	1251	1067	915	777	654	531	413	307	218	148	80
-17.5°	1214	1050	908	771	651	532	415	307	219	147	83
-20°	1189	1032	897	758	647	530	415	303	218	145	86

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

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1159	1014	880	747	642	526	411	295	215	143	88
-25°	1122	991	861	740	634	520	402	284	210	140	89
-27.5°	1089	966	839	729	621	509	388	278	204	136	89
-30°	1057	939	821	713	604	494	369	269	199	135	88
-32.5°	1023	912	800	691	585	478	350	259	193	133	86
-35°	989	882	773	666	566	456	337	246	187	129	84
-37.5°	951	848	742	640	546	435	329	242	181	124	81
-40°	912	812	709	618	522	412	318	238	173	116	78
-42.5°	871	776	681	595	497	397	304	230	164	110	74
-45°	832	740	652	564	473	378	292	219	154	106	71
-47.5°	791	703	614	528	448	356	275	205	142	100	69
-50°	746	657	570	493	416	332	255	190	136	96	66
-52.5°	693	603	529	458	382	303	235	173	129	91	63
-55°	636	558	493	422	348	277	213	163	121	87	59
-57.5°	593	521	454	385	314	249	195	151	113	81	56
-60°	549	480	413	344	279	223	179	139	105	76	53
-62.5°	497	432	365	300	246	201	162	128	96	70	50
-65°	435	372	312	261	216	178	147	115	87	64	46
-67.5°	367	317	266	222	187	157	130	102	77	57	41
-70°	312	265	224	191	162	136	112	88	66	50	36
-72.5°	261	224	190	160	137	115	93	73	57	43	31
-75°	215	185	157	133	112	93	76	60	46	35	28
-77.5°	170	146	124	106	90	75	60	46	37	31	25
-80°	128	112	96	82	69	56	46	38	32	26	22
-82.5°	91	80	70	60	51	44	37	31	26	22	18
-85°	59	52	46	40	35	31	26	22	18	15	12
-87.5°	28	25	23	20	18	15	13	11	9	8	6
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627756 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-735-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°	6	5	6	7	2	0	0
50°	8	6	6	8	3	0	0
47.5°	9	6	7	8	3	0	0
45°	10	7	7	9	4	0	0
42.5°	10	8	7	9	4	0	0
40°	11	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°	15	11	9	9	6	0	0
27.5°	16	12	9	9	7	0	0
25°	16	13	9	9	7	0	0
22.5°	17	14	9	9	7	0	0
20°	17	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°	21	17	9	9	9	0	0
7.5°	23	17	9	9	9	0	0
5°	24	17	9	9	9	0	0
2.5°	25	18	9	9	9	0	0
0°	26	18	9	9	9	0	0
-2.5°	31	19	10	9	9	0	0
-5°	35	19	10	9	9	0	0
-7.5°	40	20	11	9	9	1	0
-10°	43	21	12	9	9	1	0
-12.5°	46	21	12	9	8	1	0
-15°	48	22	13	9	8	1	0
-17.5°	49	22	13	9	8	1	0
-20°	50	23	13	9	8	1	0

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CATALOG NUMBER: GFLD-SA5E-735-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°	50	24	13	9	8	2	0
-27.5°	50	26	13	9	8	2	0
-30°	49	27	13	9	8	2	0
-32.5°	48	28	14	9	8	2	0
-35°	48	29	14	9	7	2	0
-37.5°	48	29	14	9	7	2	0
-40°	49	29	15	9	7	2	0
-42.5°	48	29	15	9	7	2	0
-45°	47	29	16	9	7	2	0
-47.5°	45	28	16	10	7	2	0
-50°	44	28	16	10	7	2	0
-52.5°	43	27	16	10	7	2	0
-55°	41	26	16	11	7	2	0
-57.5°	39	25	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°	25	19	14	11	6	1	0
-72.5°	23	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)