

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: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-750-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627534 (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-SA4E-750-U-MR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

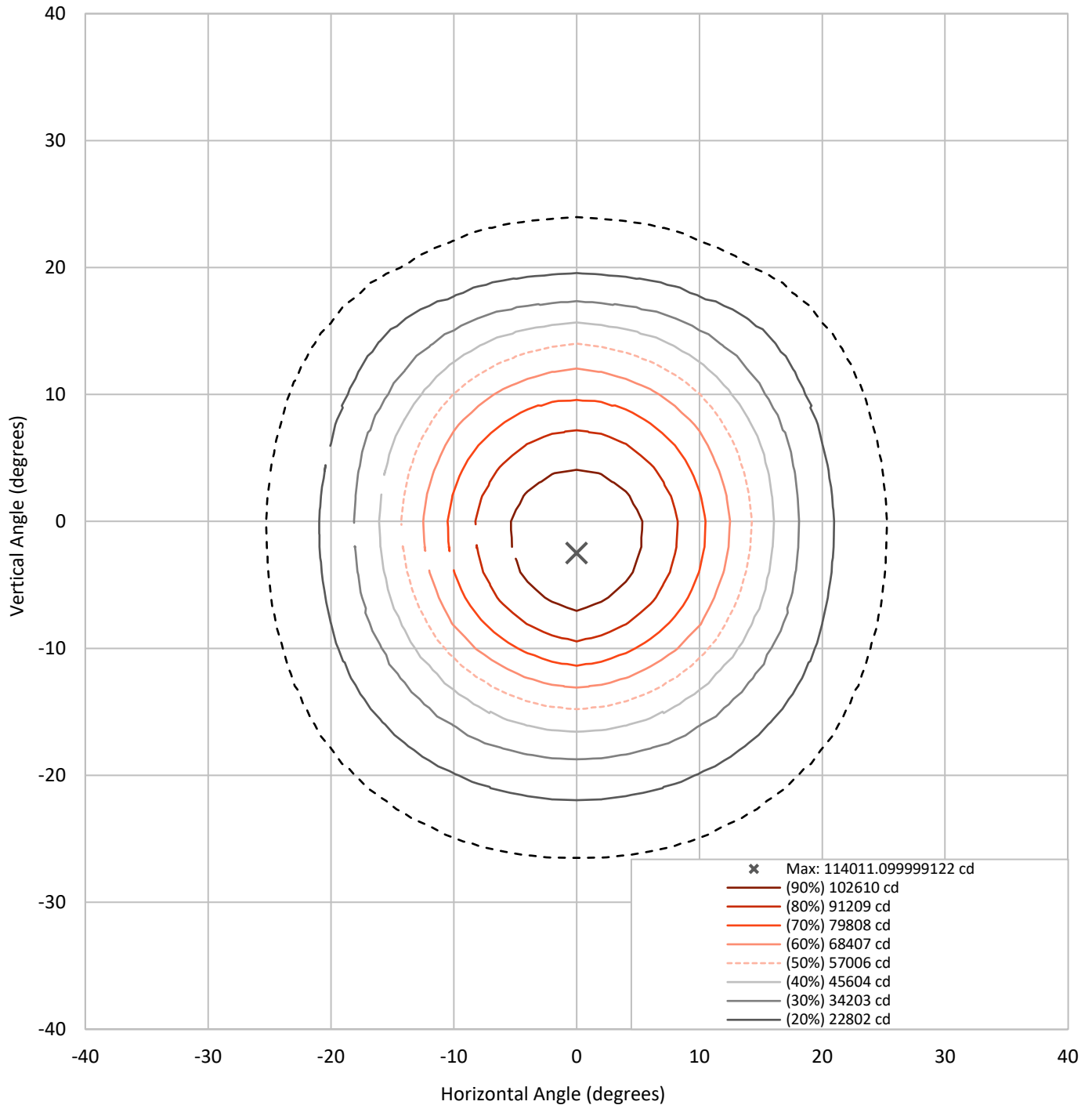
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	32336.1 lumens	Max Intensity:	114011.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	126.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	16168.3 lumens	Field Lumens:	27782.7 lumens
Beam Efficiency:	50.0%	Field Efficiency:	85.9%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





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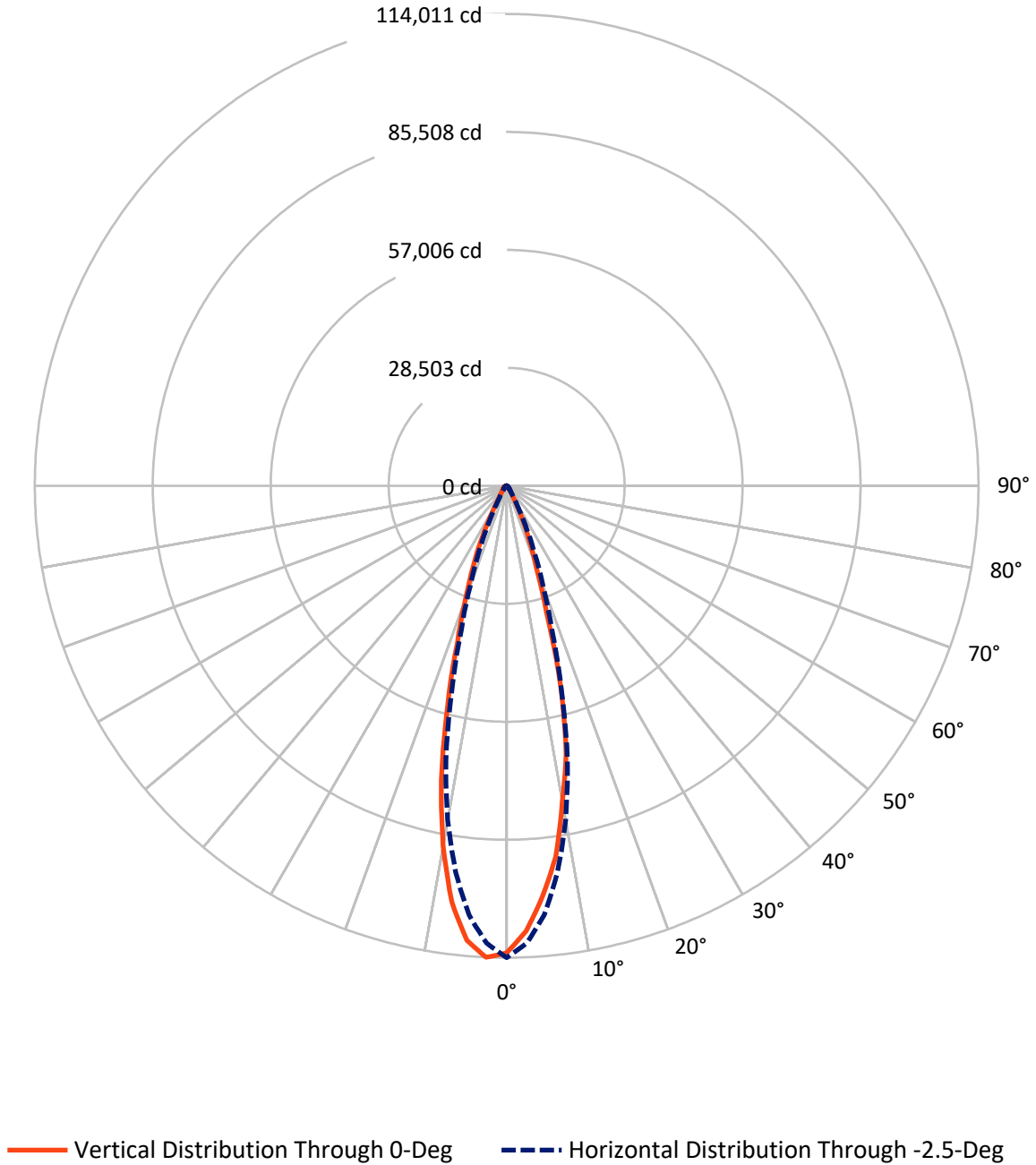
CATALOG NUMBER: GFLD-SA4E-750-U-MR-VSR-XX

### Lumen Table

90																			
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
70	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0				
60		0.0	0.2	0.9	2.2	3.7	5.1	6.1	6.1	5.1	3.7	2.2	0.9	0.2		0.0			
50	0.1	0.2	1.1	3.5	6.8	10.5	14.7	17.2	17.2	14.7	10.5	6.8	3.5	1.1	0.2	0.1			
40		0.5	2.7	6.9	12.7	20.9	34.9	46.5	46.5	34.9	20.9	12.7	6.9	2.7	0.5				
30	0.2	1.0	4.4	10.6	20.1	48.8	153.5	281.5	281.5	153.5	48.8	20.1	10.6	4.4	1.0	0.2			
20		1.6	6.0	14.4	34.4	168.4	684.8	1340.9	1340.9	684.8	168.4	34.4	14.4	6.0	1.6				
10	0.5	2.0	7.3	17.1	49.4	321.0	1382.7	2710.2	2710.2	1382.7	321.0	49.4	17.1	7.3	2.0	0.5			
0		2.3	7.9	18.1	52.7	336.3	1418.8	2873.8	2873.8	1418.8	336.3	52.7	18.1	7.9	2.3				
-10	0.6	2.5	8.1	17.6	43.4	206.5	784.6	1520.8	1520.8	784.6	206.5	43.4	17.6	8.1	2.5	0.6			
-20		2.4	7.7	16.1	31.8	80.2	243.0	433.5	433.5	243.0	80.2	31.8	16.1	7.7	2.4				
-30	0.6	2.1	6.9	13.9	24.1	39.6	64.6	86.4	86.4	64.6	39.6	24.1	13.9	6.9	2.1	0.6			
-40		1.8	5.7	11.5	19.0	27.3	35.9	40.3	40.3	35.9	27.3	19.0	11.5	5.7	1.8				
-50	0.4	1.3	4.3	9.0	14.9	20.7	25.9	28.2	28.2	25.9	20.7	14.9	9.0	4.3	1.3	0.4			
-60		0.8	2.7	5.9	9.9	14.1	17.7	19.6	19.6	17.7	14.1	9.9	5.9	2.7	0.8				
-70	0.1																		
-80		2.1	9.6	20.6	26.1	20.6	9.6	2.1											
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

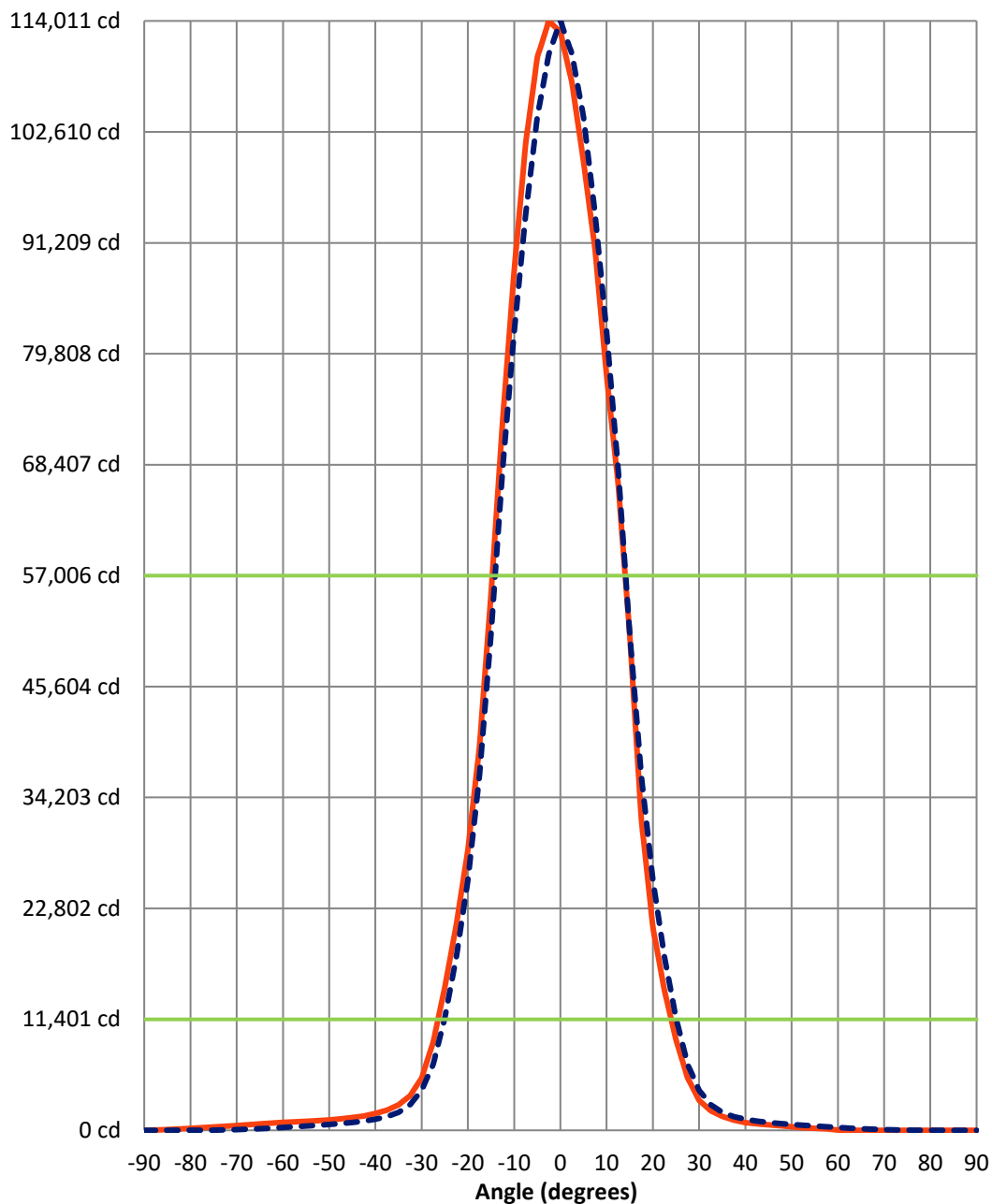
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.2°  
 V Angle: 28.7°  
 Lumens: 16168.3  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 27782.7  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 4553.4  
 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	1	3	3
55°	0	0	0	0	0	0	1	0	3	5	3
52.5°	0	0	0	0	0	0	1	2	5	5	3
50°	0	0	0	0	0	1	2	4	7	5	5
47.5°	0	0	0	0	0	1	3	5	7	6	6
45°	0	0	0	0	0	2	4	7	7	7	7
42.5°	0	0	0	0	0	3	5	7	7	7	11
40°	0	0	0	0	0	4	6	7	7	7	17
37.5°	0	0	0	0	1	5	6	7	9	11	24
35°	0	0	0	0	2	6	7	7	11	17	31
32.5°	0	0	0	0	3	6	7	7	13	24	39
30°	0	0	0	0	3	7	7	8	16	30	48
27.5°	0	0	0	0	4	7	7	10	20	36	57
25°	0	0	0	0	4	7	7	12	25	43	67
22.5°	0	0	0	0	5	7	7	15	30	51	80
20°	0	0	0	0	5	7	7	18	35	59	92
17.5°	0	0	0	0	6	7	8	21	39	67	103
15°	0	0	0	0	6	7	8	24	43	75	114
12.5°	0	0	0	0	7	7	9	28	47	83	123
10°	0	0	0	0	7	7	10	31	52	91	131
7.5°	0	0	0	0	7	7	11	35	55	98	139
5°	0	0	0	0	7	7	12	38	59	104	146
2.5°	0	0	0	0	7	7	13	41	62	110	152
0°	0	0	0	0	7	7	14	43	65	115	158
-2.5°	0	0	0	0	7	8	17	44	71	119	162
-5°	0	0	0	1	7	9	20	45	77	122	166
-7.5°	0	0	0	1	7	9	22	45	81	125	169
-10°	0	0	0	2	7	10	24	45	85	127	171
-12.5°	0	0	0	2	7	11	26	46	88	129	175
-15°	0	0	0	3	7	11	28	46	88	131	178
-17.5°	0	0	0	3	7	11	28	48	87	131	180
-20°	0	0	0	3	7	12	29	50	86	131	179

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CATALOG NUMBER: GFLD-SA4E-750-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	3	7	11	30	52	84	130	177
-25°	0	0	0	3	7	12	30	53	82	127	172
-27.5°	0	0	0	3	7	13	30	54	79	123	169
-30°	0	0	0	3	7	14	30	54	78	119	163
-32.5°	0	0	0	3	8	14	29	53	78	115	157
-35°	0	0	0	3	9	15	29	52	77	110	149
-37.5°	0	0	0	2	9	15	29	51	76	105	145
-40°	0	0	0	2	9	15	29	49	73	102	141
-42.5°	0	0	0	2	9	16	28	47	70	99	136
-45°	0	0	0	1	9	16	27	45	68	94	129
-47.5°	0	0	0	1	8	16	25	43	65	89	123
-50°	0	0	0	1	8	15	25	41	61	84	114
-52.5°	0	0	0	1	7	15	24	38	57	79	105
-55°	0	0	0	1	7	14	22	34	52	73	97
-57.5°	0	0	0	2	6	13	20	32	47	66	88
-60°	0	0	0	2	5	12	19	29	42	60	79
-62.5°	0	0	0	2	5	11	17	26	38	53	71
-65°	0	0	0	2	5	10	16	23	34	47	62
-67.5°	0	0	0	2	5	9	15	21	29	41	54
-70°	0	0	0	2	4	8	13	19	26	35	47
-72.5°	0	0	0	1	4	7	12	16	22	30	39
-75°	0	0	0	1	3	7	11	14	18	24	31
-77.5°	0	0	0	1	3	6	9	11	14	18	23
-80°	0	0	0	1	2	5	7	9	11	14	17
-82.5°	0	0	0	1	2	3	6	6	7	9	11
-85°	0	0	0	0	1	2	4	4	5	6	6
-87.5°	0	0	0	0	1	1	2	2	2	3	3
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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	3	4	6	7	7	15
57.5°	1	2	3	4	5	8	12	13	23	33	40
55°	2	5	6	6	10	17	23	36	48	63	76
52.5°	5	7	7	11	21	31	46	63	82	96	108
50°	7	8	9	23	36	52	74	98	114	128	148
47.5°	10	11	22	37	55	80	109	129	145	171	200
45°	14	21	35	54	79	113	138	157	185	216	246
42.5°	19	32	51	72	110	143	167	194	224	259	292
40°	28	43	69	101	140	171	202	233	264	304	339
37.5°	37	59	88	128	168	203	238	273	312	353	394
35°	45	76	112	153	194	237	275	315	363	409	455
32.5°	58	93	133	177	222	268	311	363	412	462	520
30°	73	111	153	201	247	297	352	409	458	515	576
27.5°	90	128	173	223	271	325	391	449	502	563	630
25°	105	145	193	243	296	358	428	487	543	611	690
22.5°	119	162	215	261	320	391	463	529	593	660	752
20°	133	181	235	286	343	422	498	572	647	731	834
17.5°	147	198	255	312	375	454	534	616	699	802	931
15°	160	214	275	336	405	485	569	659	756	876	1023
12.5°	172	229	294	359	431	513	600	694	806	950	1133
10°	183	242	312	379	453	538	627	724	845	1001	1215
7.5°	193	255	329	398	472	560	650	751	878	1043	1280
5°	202	267	341	411	488	577	669	773	904	1076	1333
2.5°	209	278	351	422	500	588	681	787	922	1108	1373
0°	215	287	359	431	510	596	689	797	933	1134	1400
-2.5°	222	297	367	440	519	603	697	805	946	1142	1406
-5°	228	304	373	446	526	608	701	809	952	1143	1410
-7.5°	231	309	378	451	532	613	705	813	955	1141	1408
-10°	234	312	382	456	536	616	705	811	950	1129	1385
-12.5°	238	313	384	457	537	618	703	804	936	1107	1341
-15°	241	314	384	456	536	616	697	792	916	1079	1282
-17.5°	242	313	382	453	532	613	689	780	896	1049	1242
-20°	242	311	379	446	526	606	682	770	877	1013	1187

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CATALOG NUMBER: GFLD-SA4E-750-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°	240	309	373	439	516	595	672	755	854	968	1124
-25°	237	305	368	434	505	580	658	734	829	938	1071
-27.5°	231	299	362	426	493	564	640	716	802	902	1016
-30°	222	290	353	416	482	549	619	694	772	865	969
-32.5°	211	280	342	404	469	534	597	669	745	824	919
-35°	202	267	329	389	454	517	576	640	714	789	868
-37.5°	196	254	316	372	435	497	553	612	679	752	824
-40°	188	241	301	357	412	474	530	584	643	714	783
-42.5°	180	231	285	340	394	449	507	558	614	679	744
-45°	172	220	270	323	376	426	479	533	588	645	707
-47.5°	163	208	257	304	356	406	453	505	561	614	669
-50°	152	196	240	284	332	383	432	476	527	581	634
-52.5°	140	181	222	263	308	356	405	451	495	541	592
-55°	126	164	203	242	281	326	373	420	465	507	552
-57.5°	114	146	183	220	257	294	340	384	428	471	515
-60°	102	129	161	197	233	268	306	348	389	430	470
-62.5°	90	114	141	172	206	241	276	312	350	384	419
-65°	80	99	122	148	177	208	241	275	309	337	365
-67.5°	68	85	104	125	150	176	202	232	263	290	314
-70°	59	71	86	104	124	145	168	192	216	239	263
-72.5°	49	60	71	83	100	119	138	156	176	197	217
-75°	40	48	58	68	80	95	111	128	144	160	176
-77.5°	31	38	46	53	62	74	86	99	113	126	140
-80°	22	28	35	41	48	55	63	72	81	91	102
-82.5°	15	19	24	30	33	37	42	47	54	62	69
-85°	8	11	14	17	19	22	24	26	31	35	40
-87.5°	4	5	7	8	9	9	10	10	12	14	16
-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	1	2	2	1	0	0
62.5°	2	3	6	7	8	9	9	10	10	10	10
60°	18	18	27	33	32	25	35	40	39	33	33
57.5°	50	63	72	75	85	100	105	103	104	109	122
55°	88	98	105	119	134	148	158	166	175	184	195
52.5°	120	137	148	163	183	194	199	219	237	250	259
50°	171	188	207	227	245	263	277	297	321	345	361
47.5°	224	246	271	300	321	337	355	383	415	444	462
45°	274	300	330	358	381	404	432	466	499	528	551
42.5°	318	348	379	411	432	468	507	542	582	620	648
40°	370	398	445	478	506	544	601	652	700	746	775
37.5°	432	480	530	570	608	656	735	812	873	934	978
35°	506	563	626	670	727	815	913	1019	1127	1212	1289
32.5°	576	639	703	773	860	985	1109	1280	1438	1600	1753
30°	639	710	788	878	1019	1193	1393	1655	1939	2222	2545
27.5°	706	784	877	1020	1233	1470	1841	2253	2840	3313	4075
25°	778	866	992	1221	1516	1933	2579	3315	4530	5569	6740
22.5°	866	1001	1180	1467	1959	2709	3714	5317	7183	8917	10570
20°	974	1157	1463	1920	2626	3780	5686	8116	10712	13248	15702
17.5°	1116	1408	1844	2495	3496	5922	8758	12230	16675	20014	23179
15°	1247	1615	2275	3328	5212	8334	12298	17615	23599	28631	34322
12.5°	1401	1846	2642	4007	6700	10827	15880	22221	29303	36940	45855
10°	1535	2082	3106	4985	8253	13055	18718	26161	35257	46064	57331
7.5°	1639	2280	3494	5719	9560	14883	21638	30690	42211	54841	67691
5°	1719	2432	3799	6294	10672	16367	23769	34274	47406	61903	74680
2.5°	1782	2540	4001	6648	11424	17381	25226	36179	50584	66513	79929
0°	1831	2606	4113	6899	11773	17860	25900	36948	52074	68771	82569
-2.5°	1847	2640	4119	6811	11560	17831	25743	36477	51046	67875	82008
-5°	1854	2623	4015	6631	11184	17192	24712	34685	47908	63693	78016
-7.5°	1840	2553	3804	6186	10338	16063	23273	32026	42865	56782	71586
-10°	1790	2430	3519	5583	9174	14300	21032	28428	37086	48448	60445
-12.5°	1701	2247	3126	4681	7803	12306	18267	24805	31553	39020	48888
-15°	1594	2059	2804	4134	6533	10211	15039	20560	26161	31879	37898
-17.5°	1512	1897	2475	3403	5016	7990	11850	16288	20832	25372	29425
-20°	1409	1702	2154	2876	4047	5807	8710	12163	15558	19260	22368

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Cooper Lighting Solutions Photometric Lab  
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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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°	1316	1566	1904	2358	3147	4385	6041	8471	11051	13740	16291
-25°	1229	1418	1686	2051	2522	3259	4352	5622	7433	9087	10982
-27.5°	1155	1314	1496	1766	2122	2526	3197	3939	4888	5677	6941
-30°	1085	1211	1361	1535	1796	2104	2464	2914	3378	3844	4450
-32.5°	1019	1124	1242	1383	1544	1775	1999	2287	2541	2821	3110
-35°	953	1048	1145	1256	1380	1532	1700	1891	2060	2229	2380
-37.5°	898	976	1061	1149	1249	1354	1486	1621	1735	1844	1938
-40°	850	916	986	1059	1139	1224	1327	1426	1503	1574	1634
-42.5°	807	865	920	983	1049	1127	1207	1283	1335	1385	1424
-45°	767	816	867	918	972	1040	1109	1168	1209	1246	1275
-47.5°	722	768	813	860	913	967	1022	1066	1102	1134	1156
-50°	680	724	766	804	851	899	947	984	1017	1044	1059
-52.5°	638	681	722	762	800	838	875	911	944	972	983
-55°	597	639	676	714	751	786	820	851	880	908	916
-57.5°	557	600	639	670	701	733	766	796	824	849	858
-60°	512	555	589	619	649	679	707	735	763	787	798
-62.5°	458	497	528	557	584	611	636	662	686	707	718
-65°	394	427	458	486	511	535	559	582	602	618	628
-67.5°	338	363	389	414	440	463	484	504	523	536	545
-70°	286	308	331	354	376	397	416	433	450	462	471
-72.5°	237	257	277	298	318	336	352	367	382	392	401
-75°	192	209	227	244	261	276	289	302	314	323	330
-77.5°	153	166	178	191	205	216	227	237	246	254	260
-80°	113	124	134	143	153	161	169	177	184	191	197
-82.5°	77	84	92	100	107	112	116	120	124	129	134
-85°	44	49	54	59	64	67	70	73	76	78	81
-87.5°	18	20	22	24	26	27	27	27	28	30	32
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-750-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°	9	7	7	7	7	7	9	10	10	10	10
60°	31	29	28	29	28	29	31	33	33	39	40
57.5°	134	143	149	151	149	143	134	122	109	104	103
55°	204	211	212	208	212	211	204	195	184	175	166
52.5°	263	264	262	258	262	264	263	259	250	237	219
50°	365	364	364	366	364	364	365	361	345	321	297
47.5°	470	475	476	474	476	475	470	462	444	415	383
45°	561	568	570	567	570	568	561	551	528	499	466
42.5°	659	664	665	668	665	664	659	648	620	582	542
40°	788	793	792	790	792	793	788	775	746	700	652
37.5°	1007	1022	1029	1048	1029	1022	1007	978	934	873	812
35°	1348	1385	1405	1436	1405	1385	1348	1289	1212	1127	1019
32.5°	1863	1938	1977	2017	1977	1938	1863	1753	1600	1438	1280
30°	2769	2917	2977	3087	2977	2917	2769	2545	2222	1939	1655
27.5°	4635	4986	5124	5413	5124	4986	4635	4075	3313	2840	2253
25°	7806	8563	8981	9311	8981	8563	7806	6740	5569	4530	3315
22.5°	12239	13348	13941	14379	13941	13348	12239	10570	8917	7183	5317
20°	17926	19390	20263	20897	20263	19390	17926	15702	13248	10712	8116
17.5°	27243	29544	30890	32045	30890	29544	27243	23179	20014	16675	12230
15°	40672	45295	48888	50889	48888	45295	40672	34322	28631	23599	17615
12.5°	53736	60507	64530	66381	64530	60507	53736	45855	36940	29303	22221
10°	66655	73040	76868	77544	76868	73040	66655	57331	46064	35257	26161
7.5°	76545	83567	88653	90501	88653	83567	76545	67691	54841	42211	30690
5°	85281	93503	98885	99568	98885	93503	85281	74680	61903	47406	34274
2.5°	91707	100645	105864	107658	105864	100645	91707	79929	66513	50584	36179
0°	94815	104442	110249	112863	110249	104442	94815	82569	68771	52074	36948
-2.5°	94161	104118	110600	114011	110600	104118	94161	82008	67875	51046	36477
-5°	90581	100567	106611	110235	106611	100567	90581	78016	63693	47908	34685
-7.5°	82325	91663	98097	101441	98097	91663	82325	71586	56782	42865	32026
-10°	71686	79589	85454	88304	85454	79589	71686	60445	48448	37086	28428
-12.5°	57862	65528	70819	72834	70819	65528	57862	48888	39020	31553	24805
-15°	44332	50183	53942	55132	53942	50183	44332	37898	31879	26161	20560
-17.5°	33620	36770	38884	39454	38884	36770	33620	29425	25372	20832	16288
-20°	25188	27140	28512	28837	28512	27140	25188	22368	19260	15558	12163

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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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°	18352	19820	20928	21148	20928	19820	18352	16291	13740	11051	8471
-25°	12659	13886	14638	14695	14638	13886	12659	10982	9087	7433	5622
-27.5°	7937	8610	8958	9081	8958	8610	7937	6941	5677	4888	3939
-30°	4904	5215	5379	5384	5379	5215	4904	4450	3844	3378	2914
-32.5°	3329	3479	3561	3561	3561	3479	3329	3110	2821	2541	2287
-35°	2494	2572	2616	2620	2616	2572	2494	2380	2229	2060	1891
-37.5°	2005	2048	2071	2075	2071	2048	2005	1938	1844	1735	1621
-40°	1677	1707	1725	1737	1725	1707	1677	1634	1574	1503	1426
-42.5°	1450	1470	1478	1472	1478	1470	1450	1424	1385	1335	1283
-45°	1292	1303	1311	1314	1311	1303	1292	1275	1246	1209	1168
-47.5°	1166	1172	1175	1177	1175	1172	1166	1156	1134	1102	1066
-50°	1067	1072	1073	1070	1073	1072	1067	1059	1044	1017	984
-52.5°	987	988	990	991	990	988	987	983	972	944	911
-55°	921	924	925	926	925	924	921	916	908	880	851
-57.5°	866	872	872	869	872	872	866	858	849	824	796
-60°	807	814	817	818	817	814	807	798	787	763	735
-62.5°	727	735	738	739	738	735	727	718	707	686	662
-65°	636	642	652	660	652	642	636	628	618	602	582
-67.5°	552	557	566	574	566	557	552	545	536	523	504
-70°	479	485	488	488	488	485	479	471	462	450	433
-72.5°	408	414	416	416	416	414	408	401	392	382	367
-75°	337	343	344	345	344	343	337	330	323	314	302
-77.5°	266	271	272	273	272	271	266	260	254	246	237
-80°	202	207	204	201	204	207	202	197	191	184	177
-82.5°	138	143	140	136	140	143	138	134	129	124	120
-85°	83	86	82	79	82	86	83	81	78	76	73
-87.5°	34	36	32	29	32	36	34	32	30	28	27
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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	1	0	0	0	0	0	0	0	0	0
62.5°	9	9	8	7	6	3	2	3	2	1	2
60°	35	25	32	33	27	18	18	15	7	7	6
57.5°	105	100	85	75	72	63	50	40	33	23	13
55°	158	148	134	119	105	98	88	76	63	48	36
52.5°	199	194	183	163	148	137	120	108	96	82	63
50°	277	263	245	227	207	188	171	148	128	114	98
47.5°	355	337	321	300	271	246	224	200	171	145	129
45°	432	404	381	358	330	300	274	246	216	185	157
42.5°	507	468	432	411	379	348	318	292	259	224	194
40°	601	544	506	478	445	398	370	339	304	264	233
37.5°	735	656	608	570	530	480	432	394	353	312	273
35°	913	815	727	670	626	563	506	455	409	363	315
32.5°	1109	985	860	773	703	639	576	520	462	412	363
30°	1393	1193	1019	878	788	710	639	576	515	458	409
27.5°	1841	1470	1233	1020	877	784	706	630	563	502	449
25°	2579	1933	1516	1221	992	866	778	690	611	543	487
22.5°	3714	2709	1959	1467	1180	1001	866	752	660	593	529
20°	5686	3780	2626	1920	1463	1157	974	834	731	647	572
17.5°	8758	5922	3496	2495	1844	1408	1116	931	802	699	616
15°	12298	8334	5212	3328	2275	1615	1247	1023	876	756	659
12.5°	15880	10827	6700	4007	2642	1846	1401	1133	950	806	694
10°	18718	13055	8253	4985	3106	2082	1535	1215	1001	845	724
7.5°	21638	14883	9560	5719	3494	2280	1639	1280	1043	878	751
5°	23769	16367	10672	6294	3799	2432	1719	1333	1076	904	773
2.5°	25226	17381	11424	6648	4001	2540	1782	1373	1108	922	787
0°	25900	17860	11773	6899	4113	2606	1831	1400	1134	933	797
-2.5°	25743	17831	11560	6811	4119	2640	1847	1406	1142	946	805
-5°	24712	17192	11184	6631	4015	2623	1854	1410	1143	952	809
-7.5°	23273	16063	10338	6186	3804	2553	1840	1408	1141	955	813
-10°	21032	14300	9174	5583	3519	2430	1790	1385	1129	950	811
-12.5°	18267	12306	7803	4681	3126	2247	1701	1341	1107	936	804
-15°	15039	10211	6533	4134	2804	2059	1594	1282	1079	916	792
-17.5°	11850	7990	5016	3403	2475	1897	1512	1242	1049	896	780
-20°	8710	5807	4047	2876	2154	1702	1409	1187	1013	877	770

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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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°	6041	4385	3147	2358	1904	1566	1316	1124	968	854	755
-25°	4352	3259	2522	2051	1686	1418	1229	1071	938	829	734
-27.5°	3197	2526	2122	1766	1496	1314	1155	1016	902	802	716
-30°	2464	2104	1796	1535	1361	1211	1085	969	865	772	694
-32.5°	1999	1775	1544	1383	1242	1124	1019	919	824	745	669
-35°	1700	1532	1380	1256	1145	1048	953	868	789	714	640
-37.5°	1486	1354	1249	1149	1061	976	898	824	752	679	612
-40°	1327	1224	1139	1059	986	916	850	783	714	643	584
-42.5°	1207	1127	1049	983	920	865	807	744	679	614	558
-45°	1109	1040	972	918	867	816	767	707	645	588	533
-47.5°	1022	967	913	860	813	768	722	669	614	561	505
-50°	947	899	851	804	766	724	680	634	581	527	476
-52.5°	875	838	800	762	722	681	638	592	541	495	451
-55°	820	786	751	714	676	639	597	552	507	465	420
-57.5°	766	733	701	670	639	600	557	515	471	428	384
-60°	707	679	649	619	589	555	512	470	430	389	348
-62.5°	636	611	584	557	528	497	458	419	384	350	312
-65°	559	535	511	486	458	427	394	365	337	309	275
-67.5°	484	463	440	414	389	363	338	314	290	263	232
-70°	416	397	376	354	331	308	286	263	239	216	192
-72.5°	352	336	318	298	277	257	237	217	197	176	156
-75°	289	276	261	244	227	209	192	176	160	144	128
-77.5°	227	216	205	191	178	166	153	140	126	113	99
-80°	169	161	153	143	134	124	113	102	91	81	72
-82.5°	116	112	107	100	92	84	77	69	62	54	47
-85°	70	67	64	59	54	49	44	40	35	31	26
-87.5°	27	27	26	24	22	20	18	16	14	12	10
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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°	4	3	2	2	1	0	1	2	2	0	0
57.5°	12	8	5	4	3	2	1	3	3	1	0
55°	23	17	10	6	6	5	2	3	5	3	0
52.5°	46	31	21	11	7	7	5	3	5	5	2
50°	74	52	36	23	9	8	7	5	5	7	4
47.5°	109	80	55	37	22	11	10	6	6	7	5
45°	138	113	79	54	35	21	14	7	7	7	7
42.5°	167	143	110	72	51	32	19	11	7	7	7
40°	202	171	140	101	69	43	28	17	7	7	7
37.5°	238	203	168	128	88	59	37	24	11	9	7
35°	275	237	194	153	112	76	45	31	17	11	7
32.5°	311	268	222	177	133	93	58	39	24	13	7
30°	352	297	247	201	153	111	73	48	30	16	8
27.5°	391	325	271	223	173	128	90	57	36	20	10
25°	428	358	296	243	193	145	105	67	43	25	12
22.5°	463	391	320	261	215	162	119	80	51	30	15
20°	498	422	343	286	235	181	133	92	59	35	18
17.5°	534	454	375	312	255	198	147	103	67	39	21
15°	569	485	405	336	275	214	160	114	75	43	24
12.5°	600	513	431	359	294	229	172	123	83	47	28
10°	627	538	453	379	312	242	183	131	91	52	31
7.5°	650	560	472	398	329	255	193	139	98	55	35
5°	669	577	488	411	341	267	202	146	104	59	38
2.5°	681	588	500	422	351	278	209	152	110	62	41
0°	689	596	510	431	359	287	215	158	115	65	43
-2.5°	697	603	519	440	367	297	222	162	119	71	44
-5°	701	608	526	446	373	304	228	166	122	77	45
-7.5°	705	613	532	451	378	309	231	169	125	81	45
-10°	705	616	536	456	382	312	234	171	127	85	45
-12.5°	703	618	537	457	384	313	238	175	129	88	46
-15°	697	616	536	456	384	314	241	178	131	88	46
-17.5°	689	613	532	453	382	313	242	180	131	87	48
-20°	682	606	526	446	379	311	242	179	131	86	50

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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°	672	595	516	439	373	309	240	177	130	84	52
-25°	658	580	505	434	368	305	237	172	127	82	53
-27.5°	640	564	493	426	362	299	231	169	123	79	54
-30°	619	549	482	416	353	290	222	163	119	78	54
-32.5°	597	534	469	404	342	280	211	157	115	78	53
-35°	576	517	454	389	329	267	202	149	110	77	52
-37.5°	553	497	435	372	316	254	196	145	105	76	51
-40°	530	474	412	357	301	241	188	141	102	73	49
-42.5°	507	449	394	340	285	231	180	136	99	70	47
-45°	479	426	376	323	270	220	172	129	94	68	45
-47.5°	453	406	356	304	257	208	163	123	89	65	43
-50°	432	383	332	284	240	196	152	114	84	61	41
-52.5°	405	356	308	263	222	181	140	105	79	57	38
-55°	373	326	281	242	203	164	126	97	73	52	34
-57.5°	340	294	257	220	183	146	114	88	66	47	32
-60°	306	268	233	197	161	129	102	79	60	42	29
-62.5°	276	241	206	172	141	114	90	71	53	38	26
-65°	241	208	177	148	122	99	80	62	47	34	23
-67.5°	202	176	150	125	104	85	68	54	41	29	21
-70°	168	145	124	104	86	71	59	47	35	26	19
-72.5°	138	119	100	83	71	60	49	39	30	22	16
-75°	111	95	80	68	58	48	40	31	24	18	14
-77.5°	86	74	62	53	46	38	31	23	18	14	11
-80°	63	55	48	41	35	28	22	17	14	11	9
-82.5°	42	37	33	30	24	19	15	11	9	7	6
-85°	24	22	19	17	14	11	8	6	6	5	4
-87.5°	10	9	9	8	7	5	4	3	3	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627534 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-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°	1	0	0	0	0	0	0
50°	2	1	0	0	0	0	0
47.5°	3	1	0	0	0	0	0
45°	4	2	0	0	0	0	0
42.5°	5	3	0	0	0	0	0
40°	6	4	0	0	0	0	0
37.5°	6	5	1	0	0	0	0
35°	7	6	2	0	0	0	0
32.5°	7	6	3	0	0	0	0
30°	7	7	3	0	0	0	0
27.5°	7	7	4	0	0	0	0
25°	7	7	4	0	0	0	0
22.5°	7	7	5	0	0	0	0
20°	7	7	5	0	0	0	0
17.5°	8	7	6	0	0	0	0
15°	8	7	6	0	0	0	0
12.5°	9	7	7	0	0	0	0
10°	10	7	7	0	0	0	0
7.5°	11	7	7	0	0	0	0
5°	12	7	7	0	0	0	0
2.5°	13	7	7	0	0	0	0
0°	14	7	7	0	0	0	0
-2.5°	17	8	7	0	0	0	0
-5°	20	9	7	1	0	0	0
-7.5°	22	9	7	1	0	0	0
-10°	24	10	7	2	0	0	0
-12.5°	26	11	7	2	0	0	0
-15°	28	11	7	3	0	0	0
-17.5°	28	11	7	3	0	0	0
-20°	29	12	7	3	0	0	0

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CATALOG NUMBER: GFLD-SA4E-750-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	30	11	7	3	0	0	0
-25°	30	12	7	3	0	0	0
-27.5°	30	13	7	3	0	0	0
-30°	30	14	7	3	0	0	0
-32.5°	29	14	8	3	0	0	0
-35°	29	15	9	3	0	0	0
-37.5°	29	15	9	2	0	0	0
-40°	29	15	9	2	0	0	0
-42.5°	28	16	9	2	0	0	0
-45°	27	16	9	1	0	0	0
-47.5°	25	16	8	1	0	0	0
-50°	25	15	8	1	0	0	0
-52.5°	24	15	7	1	0	0	0
-55°	22	14	7	1	0	0	0
-57.5°	20	13	6	2	0	0	0
-60°	19	12	5	2	0	0	0
-62.5°	17	11	5	2	0	0	0
-65°	16	10	5	2	0	0	0
-67.5°	15	9	5	2	0	0	0
-70°	13	8	4	2	0	0	0
-72.5°	12	7	4	1	0	0	0
-75°	11	7	3	1	0	0	0
-77.5°	9	6	3	1	0	0	0
-80°	7	5	2	1	0	0	0
-82.5°	6	3	2	1	0	0	0
-85°	4	2	1	0	0	0	0
-87.5°	2	1	1	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)