

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627494 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-MR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627494 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-MR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

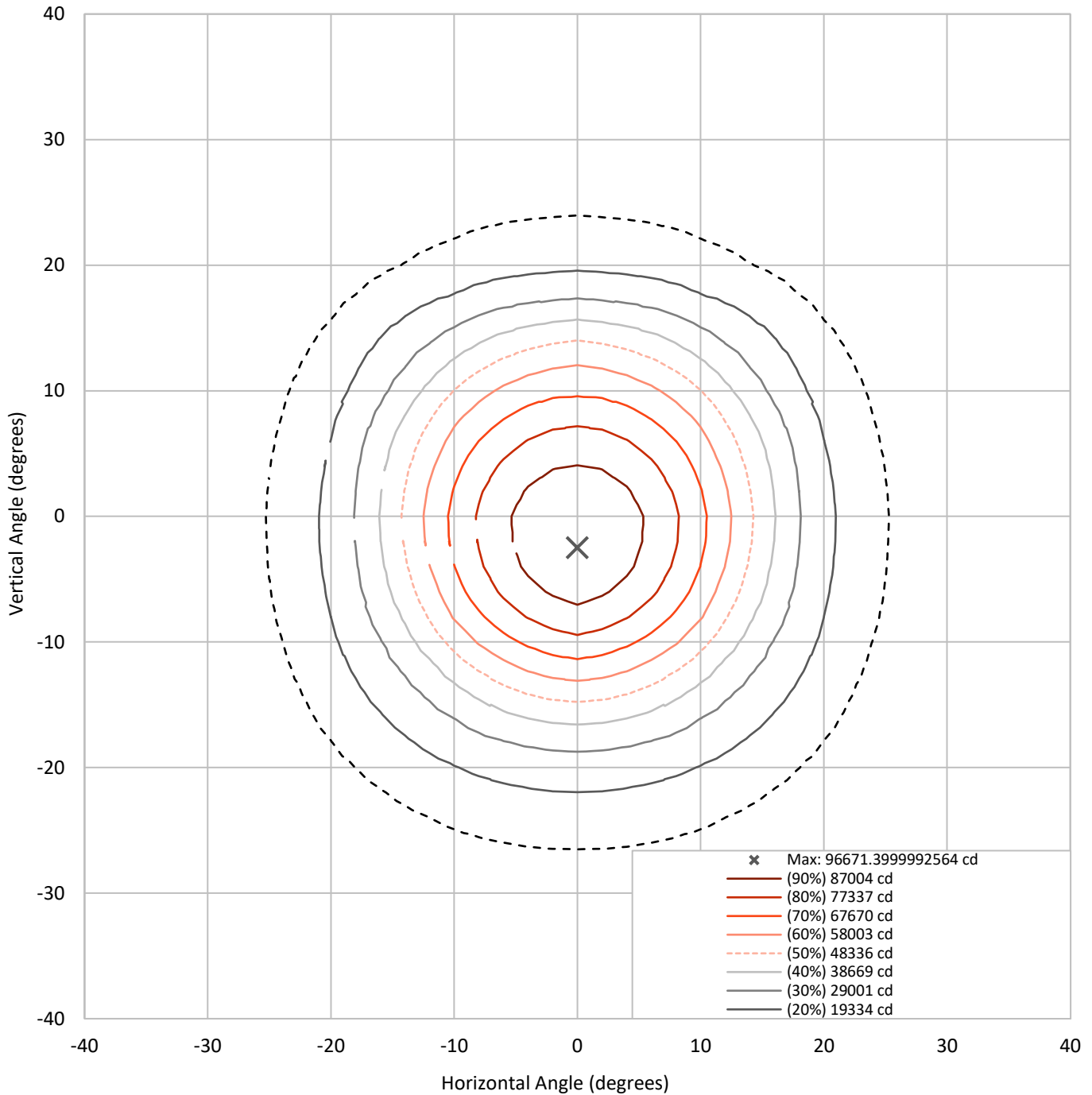
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	27418.1 lumens	Max Intensity:	96671.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	107.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	28.2°H x 28.7°V	Field Angle (10%):	50.2°H x 50.4°V
Beam Lumens:	13709.3 lumens	Field Lumens:	23557.3 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





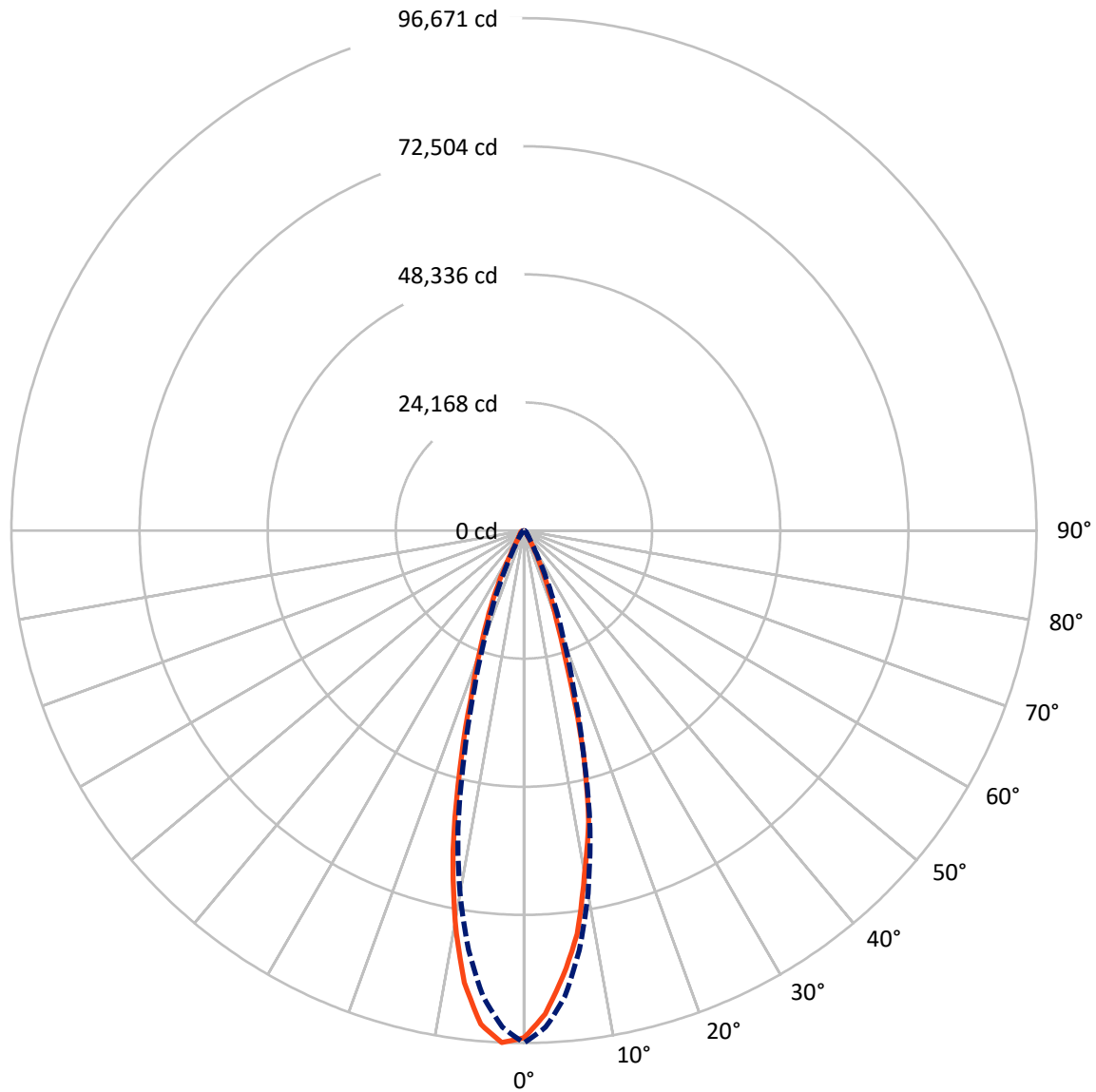
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 CATALOG NUMBER: GFLD-SA4E-727-U-MR-VSR-XX

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																			
60	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0			
50		0.0	0.2	0.8	1.9	3.1	4.3	5.2	5.2	4.3	3.1	1.9	0.8	0.2	0.0				
40	0.1	0.1	0.9	3.0	5.8	8.9	12.5	14.6	14.6	12.5	8.9	5.8	3.0	0.9	0.1	0.1			
30		0.4	2.3	5.9	10.8	17.7	29.6	39.4	39.4	29.6	17.7	10.8	5.9	2.3	0.4				
20	0.2	0.9	3.7	9.0	17.0	41.4	130.1	238.7	238.7	130.1	41.4	17.0	9.0	3.7	0.9	0.2			
10		1.4	5.1	12.2	29.2	142.8	580.6	1136.9	1136.9	580.6	142.8	29.2	12.2	5.1	1.4				
0	0.4	1.7	6.2	14.5	41.8	272.2	1172.4	2298.0	2298.0	1172.4	272.2	41.8	14.5	6.2	1.7	0.4			
-10		2.0	6.7	15.3	44.7	285.1	1203.0	2436.7	2436.7	1203.0	285.1	44.7	15.3	6.7	2.0				
-20	0.5	2.1	6.9	14.9	36.8	175.1	665.3	1289.5	1289.5	665.3	175.1	36.8	14.9	6.9	2.1	0.5			
-30		2.0	6.5	13.7	26.9	68.0	206.0	367.6	367.6	206.0	68.0	26.9	13.7	6.5	2.0				
-40	0.5	1.8	5.8	11.8	20.4	33.6	54.8	73.3	73.3	54.8	33.6	20.4	11.8	5.8	1.8	0.5			
-50		1.5	4.8	9.8	16.1	23.1	30.4	34.1	34.1	30.4	23.1	16.1	9.8	4.8	1.5				
-60	0.3	1.1	3.6	7.6	12.6	17.6	21.9	23.9	23.9	21.9	17.6	12.6	7.6	3.6	1.1	0.3			
-70		0.7	2.3	5.0	8.4	12.0	15.0	16.6	16.6	15.0	12.0	8.4	5.0	2.3	0.7				
-80	0.1	1.8		8.1		17.5		22.1		17.5		8.1		1.8		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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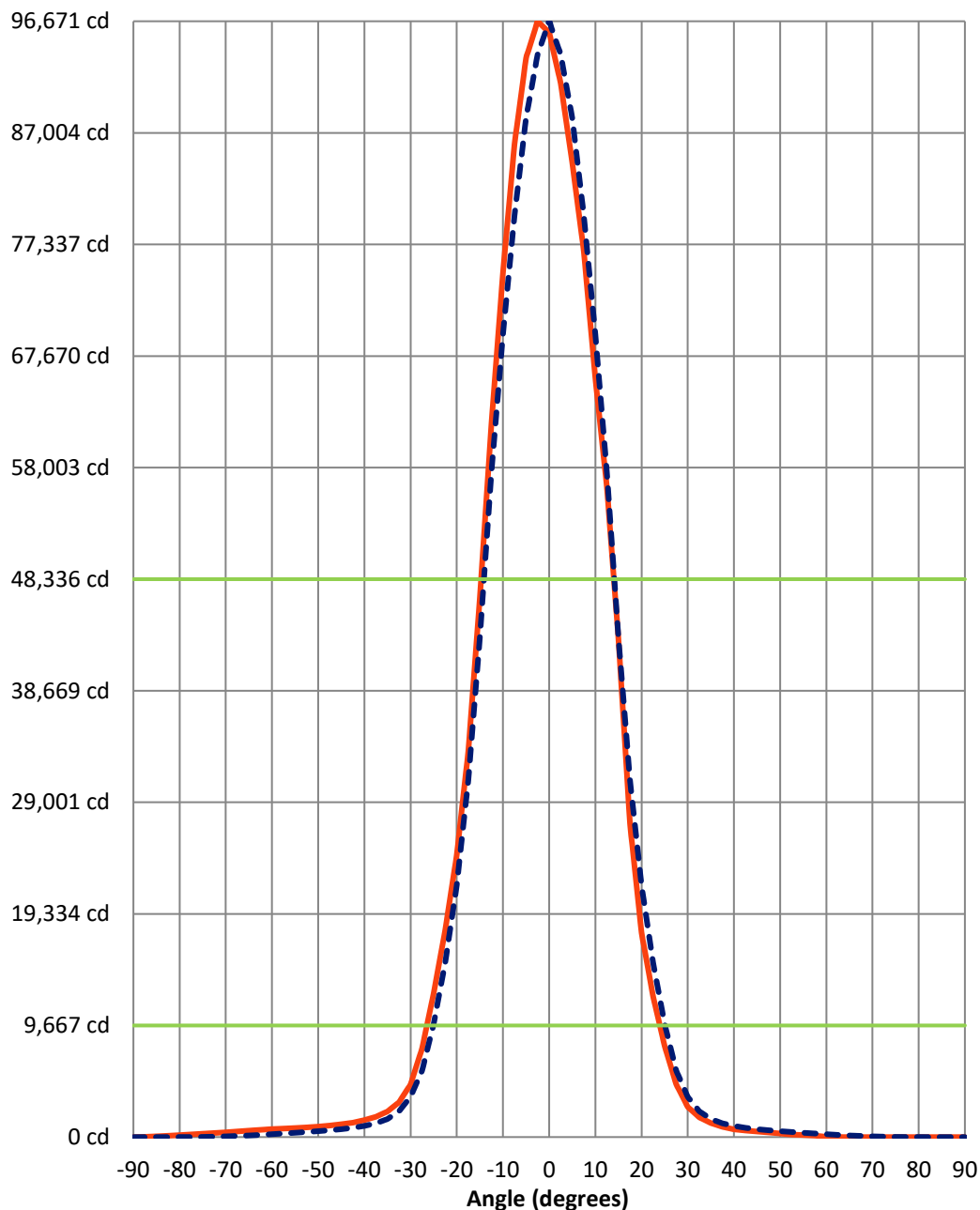
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 28.2°
 V Angle: 28.7°
 Lumens: 13709.3
 Efficiency: 50.0%

Field:
 H Angle: 50.2°
 V Angle: 50.4°
 Lumens: 23557.3
 Efficiency: 85.9%

Spill:
 Lumens: 3860.9
 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	1	2
57.5°	0	0	0	0	0	0	0	0	1	3	2
55°	0	0	0	0	0	0	1	0	3	4	2
52.5°	0	0	0	0	0	0	1	2	4	4	3
50°	0	0	0	0	0	1	2	3	6	5	4
47.5°	0	0	0	0	0	1	2	5	6	5	5
45°	0	0	0	0	0	2	3	6	6	6	6
42.5°	0	0	0	0	0	3	4	6	6	6	10
40°	0	0	0	0	0	3	5	6	6	6	15
37.5°	0	0	0	0	1	4	5	6	7	9	20
35°	0	0	0	0	2	5	6	6	9	15	26
32.5°	0	0	0	0	2	5	6	6	11	20	33
30°	0	0	0	0	3	6	6	7	14	26	40
27.5°	0	0	0	0	3	6	6	8	17	31	48
25°	0	0	0	0	4	6	6	10	22	37	57
22.5°	0	0	0	0	4	6	6	13	26	44	68
20°	0	0	0	0	5	6	6	15	30	50	78
17.5°	0	0	0	0	5	6	6	18	33	57	88
15°	0	0	0	0	5	6	7	21	37	64	96
12.5°	0	0	0	0	6	6	8	24	40	71	104
10°	0	0	0	0	6	6	9	27	44	77	111
7.5°	0	0	0	0	6	6	10	29	47	83	118
5°	0	0	0	0	6	6	10	32	50	88	124
2.5°	0	0	0	0	6	6	11	34	52	93	129
0°	0	0	0	0	6	6	12	36	55	97	134
-2.5°	0	0	0	0	6	7	15	37	60	101	138
-5°	0	0	0	1	6	7	17	38	65	104	141
-7.5°	0	0	0	1	6	8	19	38	69	106	143
-10°	0	0	0	2	6	9	21	38	72	108	145
-12.5°	0	0	0	2	6	9	22	39	74	109	148
-15°	0	0	0	2	6	9	23	39	75	111	151
-17.5°	0	0	0	2	6	10	24	40	74	111	152
-20°	0	0	0	3	6	10	25	42	73	111	152

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CATALOG NUMBER: GFLD-SA4E-727-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	6	10	25	44	71	110	150
-25°	0	0	0	3	6	10	25	45	69	107	146
-27.5°	0	0	0	3	6	11	25	45	67	104	143
-30°	0	0	0	3	6	12	25	46	66	101	139
-32.5°	0	0	0	3	7	12	25	45	66	97	133
-35°	0	0	0	2	7	12	25	44	66	93	126
-37.5°	0	0	0	2	8	12	25	43	64	89	123
-40°	0	0	0	2	8	13	25	42	62	86	120
-42.5°	0	0	0	1	8	13	24	40	60	84	115
-45°	0	0	0	1	8	13	23	38	58	80	110
-47.5°	0	0	0	1	7	13	21	37	55	75	104
-50°	0	0	0	1	7	13	21	35	52	72	97
-52.5°	0	0	0	1	6	12	20	32	48	67	89
-55°	0	0	0	1	6	12	19	29	44	62	82
-57.5°	0	0	0	1	5	11	17	27	40	56	75
-60°	0	0	0	1	4	10	16	24	36	51	67
-62.5°	0	0	0	1	4	9	15	22	32	45	60
-65°	0	0	0	1	4	8	14	19	29	40	52
-67.5°	0	0	0	1	4	8	13	18	25	35	46
-70°	0	0	0	1	4	7	11	16	22	30	40
-72.5°	0	0	0	1	3	6	10	14	19	25	33
-75°	0	0	0	1	3	6	9	12	15	20	27
-77.5°	0	0	0	1	3	5	8	10	12	15	20
-80°	0	0	0	1	2	4	6	8	9	12	14
-82.5°	0	0	0	1	2	3	5	5	6	8	9
-85°	0	0	0	0	1	2	3	4	4	5	5
-87.5°	0	0	0	0	1	1	2	2	2	2	3
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	1	1	1	2
60°	0	0	1	2	1	3	4	5	6	6	12
57.5°	1	1	3	3	4	7	10	11	19	28	34
55°	2	4	5	5	9	14	20	30	41	53	64
52.5°	4	6	6	9	18	26	39	53	69	81	92
50°	6	7	8	19	30	44	63	83	97	109	126
47.5°	8	9	18	31	47	68	92	109	123	145	170
45°	12	18	30	46	67	96	117	133	157	183	209
42.5°	16	27	43	61	94	121	142	165	190	219	247
40°	24	36	58	86	119	145	172	197	224	258	288
37.5°	31	50	75	109	142	172	202	232	264	299	334
35°	38	64	95	130	165	201	233	267	307	347	386
32.5°	49	79	113	150	188	227	264	308	350	392	441
30°	62	94	129	170	210	252	298	347	388	436	488
27.5°	76	108	147	189	230	275	332	380	426	477	534
25°	89	123	164	206	251	303	363	413	461	518	585
22.5°	101	137	182	222	271	331	393	449	503	560	638
20°	113	153	199	242	291	358	422	485	548	620	708
17.5°	125	168	216	265	318	385	453	522	593	680	789
15°	136	182	233	285	343	411	482	559	641	743	868
12.5°	146	194	249	304	365	435	509	588	683	806	961
10°	155	205	265	322	384	456	532	614	717	848	1030
7.5°	163	216	279	337	401	475	551	637	745	884	1086
5°	171	227	289	349	414	489	567	656	767	913	1130
2.5°	177	236	298	358	424	499	577	668	782	939	1165
0°	183	243	304	365	432	505	584	676	791	962	1187
-2.5°	188	251	311	373	440	512	591	683	802	968	1192
-5°	193	258	317	379	446	516	595	686	807	969	1195
-7.5°	196	262	321	383	451	519	598	689	810	968	1194
-10°	198	265	324	386	454	523	598	688	806	957	1174
-12.5°	202	266	325	388	456	524	596	682	794	939	1137
-15°	204	266	326	387	455	523	591	671	776	915	1087
-17.5°	205	265	324	384	451	520	584	661	759	889	1053
-20°	205	264	321	378	446	514	578	653	744	859	1006

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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°	203	262	317	373	438	504	570	640	724	821	953
-25°	201	258	312	368	428	492	558	623	703	795	908
-27.5°	196	254	307	361	418	479	543	607	680	765	862
-30°	188	246	299	353	409	466	525	589	655	733	822
-32.5°	179	237	290	343	398	453	506	567	632	699	779
-35°	171	227	279	330	385	438	489	543	605	669	736
-37.5°	166	216	268	316	369	421	469	519	575	637	699
-40°	159	204	255	302	350	402	450	495	545	606	664
-42.5°	152	196	242	289	334	381	430	473	521	575	631
-45°	146	186	229	274	319	361	406	452	498	547	599
-47.5°	138	176	218	257	301	344	384	428	475	521	567
-50°	129	166	203	241	282	325	366	404	447	493	538
-52.5°	119	154	188	223	261	302	344	383	420	459	502
-55°	107	139	172	205	239	277	316	356	395	430	468
-57.5°	97	124	155	187	218	250	288	326	363	400	437
-60°	87	109	137	167	198	228	260	295	330	365	399
-62.5°	77	97	120	145	175	204	234	264	297	326	356
-65°	68	84	103	126	150	176	204	233	262	286	309
-67.5°	58	72	88	106	127	149	171	197	223	246	266
-70°	50	60	73	88	105	123	143	163	183	203	223
-72.5°	42	51	60	70	85	101	117	133	150	167	184
-75°	34	41	49	57	68	80	94	108	122	136	149
-77.5°	26	32	39	45	53	62	73	84	96	107	118
-80°	19	24	29	35	41	47	53	61	69	78	87
-82.5°	13	17	21	25	28	32	35	40	46	52	59
-85°	7	9	12	15	16	18	20	22	26	30	34
-87.5°	4	5	6	7	7	8	8	9	10	12	13
-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	1	1	0	0
62.5°	2	3	5	6	7	7	8	8	8	8	8
60°	15	15	23	28	27	21	30	34	33	28	28
57.5°	43	53	61	64	72	85	89	87	88	92	104
55°	75	83	89	101	114	125	134	141	148	156	165
52.5°	102	116	126	138	155	164	169	186	201	212	219
50°	145	159	175	192	208	223	235	252	272	293	306
47.5°	190	209	230	254	272	286	301	325	352	377	392
45°	232	254	280	303	323	343	367	395	423	448	467
42.5°	270	295	322	349	367	397	430	459	494	526	549
40°	314	338	378	405	429	462	510	553	594	632	657
37.5°	367	407	449	483	516	556	623	688	740	792	829
35°	429	477	531	568	616	691	774	864	955	1028	1093
32.5°	488	542	596	656	729	836	940	1085	1219	1357	1486
30°	542	602	668	744	864	1012	1182	1403	1644	1884	2158
27.5°	598	665	743	865	1046	1247	1561	1910	2408	2809	3456
25°	660	734	841	1036	1286	1639	2187	2810	3841	4722	5715
22.5°	734	849	1000	1244	1661	2297	3149	4508	6091	7561	8963
20°	826	981	1240	1628	2227	3205	4821	6882	9083	11233	13314
17.5°	947	1194	1564	2115	2964	5021	7426	10370	14139	16970	19654
15°	1057	1369	1929	2822	4420	7067	10428	14936	20010	24276	29102
12.5°	1188	1565	2240	3397	5681	9181	13465	18841	24846	31322	38881
10°	1302	1766	2634	4227	6997	11070	15871	22182	29895	39058	48612
7.5°	1390	1933	2963	4849	8106	12620	18347	26023	35791	46501	57396
5°	1458	2062	3221	5337	9049	13878	20154	29061	40196	52488	63322
2.5°	1511	2154	3393	5637	9686	14737	21389	30677	42891	56397	67773
0°	1552	2209	3488	5849	9982	15144	21961	31329	44154	58312	70011
-2.5°	1566	2239	3492	5775	9802	15119	21828	30929	43283	57552	69536
-5°	1572	2224	3404	5622	9483	14577	20954	29410	40622	54006	66151
-7.5°	1560	2164	3226	5246	8766	13620	19733	27155	36346	48146	60699
-10°	1518	2060	2984	4734	7778	12125	17833	24104	31446	41079	51252
-12.5°	1442	1905	2650	3969	6616	10435	15489	21033	26754	33085	41452
-15°	1351	1746	2378	3505	5540	8658	12752	17433	22182	27030	32134
-17.5°	1282	1608	2098	2885	4253	6775	10048	13811	17663	21513	24950
-20°	1194	1443	1826	2438	3432	4924	7385	10313	13192	16331	18966

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REPORT NUMBER: P627494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	1116	1328	1614	2000	2668	3718	5122	7183	9370	11650	13813
-25°	1042	1202	1429	1739	2138	2763	3690	4767	6303	7705	9311
-27.5°	980	1114	1268	1497	1800	2142	2711	3340	4145	4813	5886
-30°	920	1027	1154	1302	1523	1784	2089	2471	2864	3259	3773
-32.5°	864	953	1053	1172	1309	1505	1695	1939	2155	2392	2637
-35°	808	888	971	1065	1171	1299	1442	1603	1747	1890	2018
-37.5°	761	828	900	974	1059	1148	1260	1374	1471	1564	1643
-40°	721	777	836	898	966	1038	1125	1209	1275	1335	1385
-42.5°	685	734	780	833	889	956	1023	1088	1132	1174	1207
-45°	650	692	735	778	824	882	940	990	1025	1057	1081
-47.5°	612	651	690	729	774	820	866	904	935	962	980
-50°	576	614	649	682	722	763	803	835	862	885	898
-52.5°	541	577	612	646	678	710	742	772	800	824	833
-55°	506	542	574	605	636	667	695	722	746	770	777
-57.5°	472	509	542	568	594	622	649	675	699	720	728
-60°	434	470	500	525	550	576	600	623	647	667	677
-62.5°	388	421	448	472	496	518	540	561	582	599	609
-65°	334	362	389	412	433	454	474	493	511	524	532
-67.5°	287	308	330	351	373	393	411	428	444	455	462
-70°	242	261	280	300	319	337	352	367	382	392	399
-72.5°	201	218	235	253	270	285	298	311	324	333	340
-75°	163	177	192	207	222	234	245	256	266	274	280
-77.5°	130	141	151	162	174	183	192	201	209	215	221
-80°	96	105	113	121	129	136	143	150	156	162	167
-82.5°	65	71	78	85	91	95	99	102	105	109	113
-85°	38	42	46	50	54	57	59	62	64	66	69
-87.5°	15	17	18	20	22	22	23	23	23	25	27
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627494 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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	1
62.5°	7	6	6	6	6	6	7	8	8	8	8
60°	26	24	24	24	24	24	26	28	28	33	34
57.5°	113	122	126	128	126	122	113	104	92	88	87
55°	173	179	179	177	179	179	173	165	156	148	141
52.5°	223	224	222	219	222	224	223	219	212	201	186
50°	309	309	309	310	309	309	309	306	293	272	252
47.5°	398	402	404	402	404	402	398	392	377	352	325
45°	476	481	483	481	483	481	476	467	448	423	395
42.5°	559	563	564	566	564	563	559	549	526	494	459
40°	668	672	671	670	671	672	668	657	632	594	553
37.5°	854	867	873	889	873	867	854	829	792	740	688
35°	1143	1175	1191	1217	1191	1175	1143	1093	1028	955	864
32.5°	1579	1643	1677	1710	1677	1643	1579	1486	1357	1219	1085
30°	2348	2473	2524	2617	2524	2473	2348	2158	1884	1644	1403
27.5°	3930	4227	4345	4590	4345	4227	3930	3456	2809	2408	1910
25°	6619	7261	7615	7895	7615	7261	6619	5715	4722	3841	2810
22.5°	10378	11318	11821	12192	11821	11318	10378	8963	7561	6091	4508
20°	15200	16441	17181	17719	17181	16441	15200	13314	11233	9083	6882
17.5°	23100	25051	26192	27172	26192	25051	23100	19654	16970	14139	10370
15°	34486	38406	41453	43150	41453	38406	34486	29102	24276	20010	14936
12.5°	45563	51305	54716	56285	54716	51305	45563	38881	31322	24846	18841
10°	56518	61931	65177	65750	65177	61931	56518	48612	39058	29895	22182
7.5°	64904	70857	75170	76737	75170	70857	64904	57396	46501	35791	26023
5°	72311	79282	83846	84425	83846	79282	72311	63322	52488	40196	29061
2.5°	77759	85338	89763	91285	89763	85338	77759	67773	56397	42891	30677
0°	80395	88558	93482	95698	93482	88558	80395	70011	58312	44154	31329
-2.5°	79841	88283	93779	96671	93779	88283	79841	69536	57552	43283	30929
-5°	76805	85272	90397	93470	90397	85272	76805	66151	54006	40622	29410
-7.5°	69804	77722	83178	86013	83178	77722	69804	60699	48146	36346	27155
-10°	60784	67485	72458	74874	72458	67485	60784	51252	41079	31446	24104
-12.5°	49062	55562	60048	61757	60048	55562	49062	41452	33085	26754	21033
-15°	37590	42551	45738	46747	45738	42551	37590	32134	27030	22182	17433
-17.5°	28507	31178	32970	33453	32970	31178	28507	24950	21513	17663	13811
-20°	21357	23012	24175	24451	24175	23012	21357	18966	16331	13192	10313

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15561	16805	17745	17932	17745	16805	15561	13813	11650	9370	7183
-25°	10734	11774	12412	12460	12412	11774	10734	9311	7705	6303	4767
-27.5°	6729	7301	7596	7700	7596	7301	6729	5886	4813	4145	3340
-30°	4158	4422	4561	4565	4561	4422	4158	3773	3259	2864	2471
-32.5°	2823	2950	3019	3019	3019	2950	2823	2637	2392	2155	1939
-35°	2115	2180	2218	2222	2218	2180	2115	2018	1890	1747	1603
-37.5°	1700	1737	1756	1759	1756	1737	1700	1643	1564	1471	1374
-40°	1422	1447	1463	1473	1463	1447	1422	1385	1335	1275	1209
-42.5°	1230	1246	1253	1248	1253	1246	1230	1207	1174	1132	1088
-45°	1095	1105	1111	1114	1111	1105	1095	1081	1057	1025	990
-47.5°	989	993	996	998	996	993	989	980	962	935	904
-50°	904	909	910	907	910	909	904	898	885	862	835
-52.5°	837	838	839	840	839	838	837	833	824	800	772
-55°	781	783	785	785	785	783	781	777	770	746	722
-57.5°	734	739	739	737	739	739	734	728	720	699	675
-60°	684	690	693	694	693	690	684	677	667	647	623
-62.5°	617	623	626	627	626	623	617	609	599	582	561
-65°	539	545	553	560	553	545	539	532	524	511	493
-67.5°	468	472	480	487	480	472	468	462	455	444	428
-70°	406	412	413	414	413	412	406	399	392	382	367
-72.5°	346	351	353	353	353	351	346	340	333	324	311
-75°	286	291	292	292	292	291	286	280	274	266	256
-77.5°	226	230	231	231	231	230	226	221	215	209	201
-80°	171	176	173	170	173	176	171	167	162	156	150
-82.5°	117	121	119	116	119	121	117	113	109	105	102
-85°	71	73	70	67	70	73	71	69	66	64	62
-87.5°	29	30	27	24	27	30	29	27	25	23	23
-90°	0	0	0	0	0	0	0	0	0	0	0



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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°	8	7	7	6	5	3	2	2	1	1	1
60°	30	21	27	28	23	15	15	12	6	6	5
57.5°	89	85	72	64	61	53	43	34	28	19	11
55°	134	125	114	101	89	83	75	64	53	41	30
52.5°	169	164	155	138	126	116	102	92	81	69	53
50°	235	223	208	192	175	159	145	126	109	97	83
47.5°	301	286	272	254	230	209	190	170	145	123	109
45°	367	343	323	303	280	254	232	209	183	157	133
42.5°	430	397	367	349	322	295	270	247	219	190	165
40°	510	462	429	405	378	338	314	288	258	224	197
37.5°	623	556	516	483	449	407	367	334	299	264	232
35°	774	691	616	568	531	477	429	386	347	307	267
32.5°	940	836	729	656	596	542	488	441	392	350	308
30°	1182	1012	864	744	668	602	542	488	436	388	347
27.5°	1561	1247	1046	865	743	665	598	534	477	426	380
25°	2187	1639	1286	1036	841	734	660	585	518	461	413
22.5°	3149	2297	1661	1244	1000	849	734	638	560	503	449
20°	4821	3205	2227	1628	1240	981	826	708	620	548	485
17.5°	7426	5021	2964	2115	1564	1194	947	789	680	593	522
15°	10428	7067	4420	2822	1929	1369	1057	868	743	641	559
12.5°	13465	9181	5681	3397	2240	1565	1188	961	806	683	588
10°	15871	11070	6997	4227	2634	1766	1302	1030	848	717	614
7.5°	18347	12620	8106	4849	2963	1933	1390	1086	884	745	637
5°	20154	13878	9049	5337	3221	2062	1458	1130	913	767	656
2.5°	21389	14737	9686	5637	3393	2154	1511	1165	939	782	668
0°	21961	15144	9982	5849	3488	2209	1552	1187	962	791	676
-2.5°	21828	15119	9802	5775	3492	2239	1566	1192	968	802	683
-5°	20954	14577	9483	5622	3404	2224	1572	1195	969	807	686
-7.5°	19733	13620	8766	5246	3226	2164	1560	1194	968	810	689
-10°	17833	12125	7778	4734	2984	2060	1518	1174	957	806	688
-12.5°	15489	10435	6616	3969	2650	1905	1442	1137	939	794	682
-15°	12752	8658	5540	3505	2378	1746	1351	1087	915	776	671
-17.5°	10048	6775	4253	2885	2098	1608	1282	1053	889	759	661
-20°	7385	4924	3432	2438	1826	1443	1194	1006	859	744	653

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5122	3718	2668	2000	1614	1328	1116	953	821	724	640
-25°	3690	2763	2138	1739	1429	1202	1042	908	795	703	623
-27.5°	2711	2142	1800	1497	1268	1114	980	862	765	680	607
-30°	2089	1784	1523	1302	1154	1027	920	822	733	655	589
-32.5°	1695	1505	1309	1172	1053	953	864	779	699	632	567
-35°	1442	1299	1171	1065	971	888	808	736	669	605	543
-37.5°	1260	1148	1059	974	900	828	761	699	637	575	519
-40°	1125	1038	966	898	836	777	721	664	606	545	495
-42.5°	1023	956	889	833	780	734	685	631	575	521	473
-45°	940	882	824	778	735	692	650	599	547	498	452
-47.5°	866	820	774	729	690	651	612	567	521	475	428
-50°	803	763	722	682	649	614	576	538	493	447	404
-52.5°	742	710	678	646	612	577	541	502	459	420	383
-55°	695	667	636	605	574	542	506	468	430	395	356
-57.5°	649	622	594	568	542	509	472	437	400	363	326
-60°	600	576	550	525	500	470	434	399	365	330	295
-62.5°	540	518	496	472	448	421	388	356	326	297	264
-65°	474	454	433	412	389	362	334	309	286	262	233
-67.5°	411	393	373	351	330	308	287	266	246	223	197
-70°	352	337	319	300	280	261	242	223	203	183	163
-72.5°	298	285	270	253	235	218	201	184	167	150	133
-75°	245	234	222	207	192	177	163	149	136	122	108
-77.5°	192	183	174	162	151	141	130	118	107	96	84
-80°	143	136	129	121	113	105	96	87	78	69	61
-82.5°	99	95	91	85	78	71	65	59	52	46	40
-85°	59	57	54	50	46	42	38	34	30	26	22
-87.5°	23	22	22	20	18	17	15	13	12	10	9
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	1	2	1	0	0	2	1	0	0
57.5°	10	7	4	3	3	1	1	2	3	1	0
55°	20	14	9	5	5	4	2	2	4	3	0
52.5°	39	26	18	9	6	6	4	3	4	4	2
50°	63	44	30	19	8	7	6	4	5	6	3
47.5°	92	68	47	31	18	9	8	5	5	6	5
45°	117	96	67	46	30	18	12	6	6	6	6
42.5°	142	121	94	61	43	27	16	10	6	6	6
40°	172	145	119	86	58	36	24	15	6	6	6
37.5°	202	172	142	109	75	50	31	20	9	7	6
35°	233	201	165	130	95	64	38	26	15	9	6
32.5°	264	227	188	150	113	79	49	33	20	11	6
30°	298	252	210	170	129	94	62	40	26	14	7
27.5°	332	275	230	189	147	108	76	48	31	17	8
25°	363	303	251	206	164	123	89	57	37	22	10
22.5°	393	331	271	222	182	137	101	68	44	26	13
20°	422	358	291	242	199	153	113	78	50	30	15
17.5°	453	385	318	265	216	168	125	88	57	33	18
15°	482	411	343	285	233	182	136	96	64	37	21
12.5°	509	435	365	304	249	194	146	104	71	40	24
10°	532	456	384	322	265	205	155	111	77	44	27
7.5°	551	475	401	337	279	216	163	118	83	47	29
5°	567	489	414	349	289	227	171	124	88	50	32
2.5°	577	499	424	358	298	236	177	129	93	52	34
0°	584	505	432	365	304	243	183	134	97	55	36
-2.5°	591	512	440	373	311	251	188	138	101	60	37
-5°	595	516	446	379	317	258	193	141	104	65	38
-7.5°	598	519	451	383	321	262	196	143	106	69	38
-10°	598	523	454	386	324	265	198	145	108	72	38
-12.5°	596	524	456	388	325	266	202	148	109	74	39
-15°	591	523	455	387	326	266	204	151	111	75	39
-17.5°	584	520	451	384	324	265	205	152	111	74	40
-20°	578	514	446	378	321	264	205	152	111	73	42

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CATALOG NUMBER: GFLD-SA4E-727-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°	570	504	438	373	317	262	203	150	110	71	44
-25°	558	492	428	368	312	258	201	146	107	69	45
-27.5°	543	479	418	361	307	254	196	143	104	67	45
-30°	525	466	409	353	299	246	188	139	101	66	46
-32.5°	506	453	398	343	290	237	179	133	97	66	45
-35°	489	438	385	330	279	227	171	126	93	66	44
-37.5°	469	421	369	316	268	216	166	123	89	64	43
-40°	450	402	350	302	255	204	159	120	86	62	42
-42.5°	430	381	334	289	242	196	152	115	84	60	40
-45°	406	361	319	274	229	186	146	110	80	58	38
-47.5°	384	344	301	257	218	176	138	104	75	55	37
-50°	366	325	282	241	203	166	129	97	72	52	35
-52.5°	344	302	261	223	188	154	119	89	67	48	32
-55°	316	277	239	205	172	139	107	82	62	44	29
-57.5°	288	250	218	187	155	124	97	75	56	40	27
-60°	260	228	198	167	137	109	87	67	51	36	24
-62.5°	234	204	175	145	120	97	77	60	45	32	22
-65°	204	176	150	126	103	84	68	52	40	29	19
-67.5°	171	149	127	106	88	72	58	46	35	25	18
-70°	143	123	105	88	73	60	50	40	30	22	16
-72.5°	117	101	85	70	60	51	42	33	25	19	14
-75°	94	80	68	57	49	41	34	27	20	15	12
-77.5°	73	62	53	45	39	32	26	20	15	12	10
-80°	53	47	41	35	29	24	19	14	12	9	8
-82.5°	35	32	28	25	21	17	13	9	8	6	5
-85°	20	18	16	15	12	9	7	5	5	4	4
-87.5°	8	8	7	7	6	5	4	3	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

Classified

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

Scaled Data Report



REPORT NUMBER: P627494 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	2	1	0	0	0	0	0
45°	3	2	0	0	0	0	0
42.5°	4	3	0	0	0	0	0
40°	5	3	0	0	0	0	0
37.5°	5	4	1	0	0	0	0
35°	6	5	2	0	0	0	0
32.5°	6	5	2	0	0	0	0
30°	6	6	3	0	0	0	0
27.5°	6	6	3	0	0	0	0
25°	6	6	4	0	0	0	0
22.5°	6	6	4	0	0	0	0
20°	6	6	5	0	0	0	0
17.5°	6	6	5	0	0	0	0
15°	7	6	5	0	0	0	0
12.5°	8	6	6	0	0	0	0
10°	9	6	6	0	0	0	0
7.5°	10	6	6	0	0	0	0
5°	10	6	6	0	0	0	0
2.5°	11	6	6	0	0	0	0
0°	12	6	6	0	0	0	0
-2.5°	15	7	6	0	0	0	0
-5°	17	7	6	1	0	0	0
-7.5°	19	8	6	1	0	0	0
-10°	21	9	6	2	0	0	0
-12.5°	22	9	6	2	0	0	0
-15°	23	9	6	2	0	0	0
-17.5°	24	10	6	2	0	0	0
-20°	25	10	6	3	0	0	0

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REPORT NUMBER: P627494 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25	10	6	3	0	0	0
-25°	25	10	6	3	0	0	0
-27.5°	25	11	6	3	0	0	0
-30°	25	12	6	3	0	0	0
-32.5°	25	12	7	3	0	0	0
-35°	25	12	7	2	0	0	0
-37.5°	25	12	8	2	0	0	0
-40°	25	13	8	2	0	0	0
-42.5°	24	13	8	1	0	0	0
-45°	23	13	8	1	0	0	0
-47.5°	21	13	7	1	0	0	0
-50°	21	13	7	1	0	0	0
-52.5°	20	12	6	1	0	0	0
-55°	19	12	6	1	0	0	0
-57.5°	17	11	5	1	0	0	0
-60°	16	10	4	1	0	0	0
-62.5°	15	9	4	1	0	0	0
-65°	14	8	4	1	0	0	0
-67.5°	13	8	4	1	0	0	0
-70°	11	7	4	1	0	0	0
-72.5°	10	6	3	1	0	0	0
-75°	9	6	3	1	0	0	0
-77.5°	8	5	3	1	0	0	0
-80°	6	4	2	1	0	0	0
-82.5°	5	3	2	1	0	0	0
-85°	3	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)