

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: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-727-U-MR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627074 (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-SA3B-727-U-MR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10888 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 38388.9 candela  
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V  
Beam Lumens: 5444.1 lumens  
Beam Efficiency: 50.0%

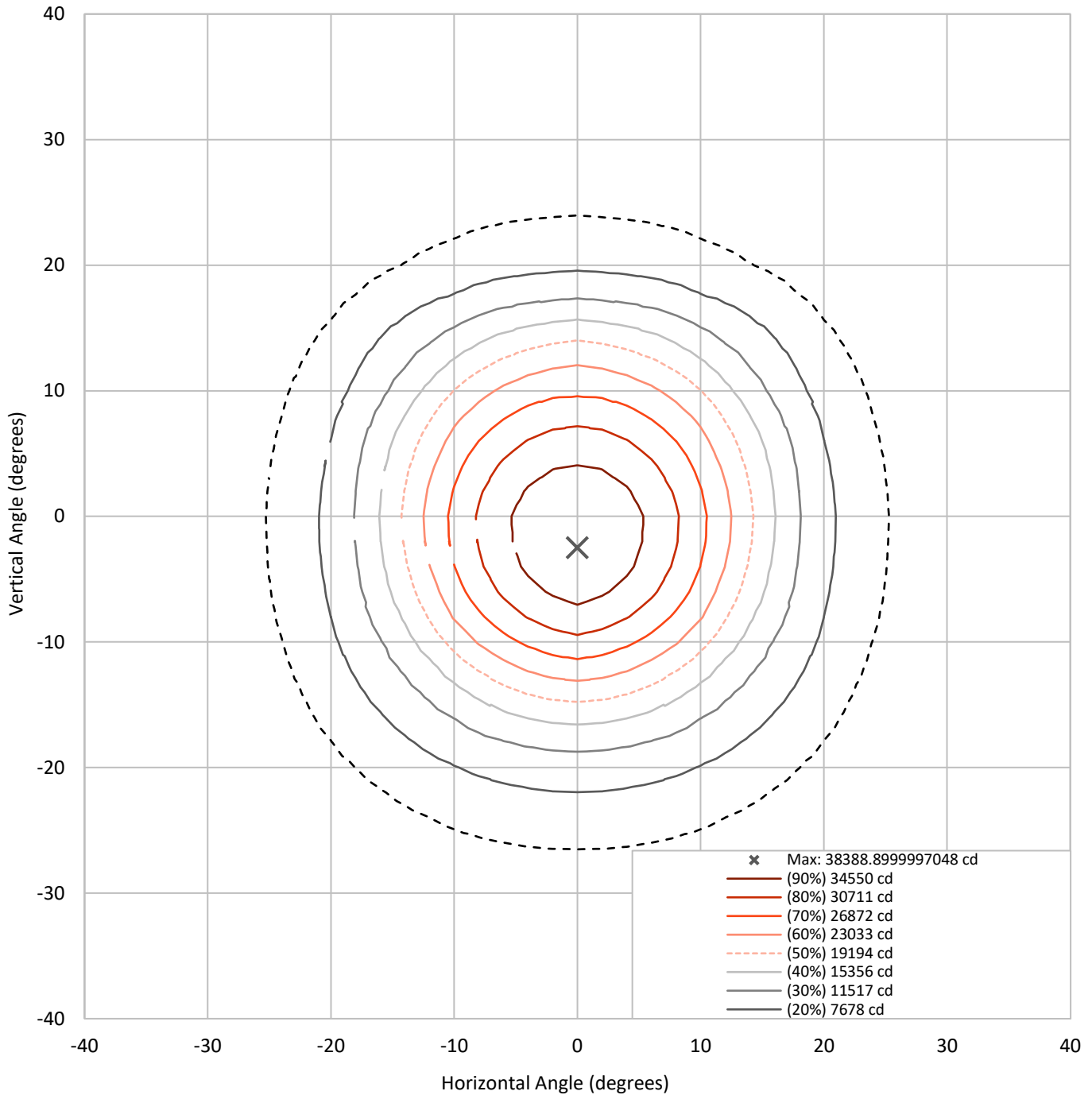
Field Angle (10%): 50.2°H x 50.4°V  
Field Lumens: 9354.8 lumens  
Field Efficiency: 85.9%

Input Watts (W): 93.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





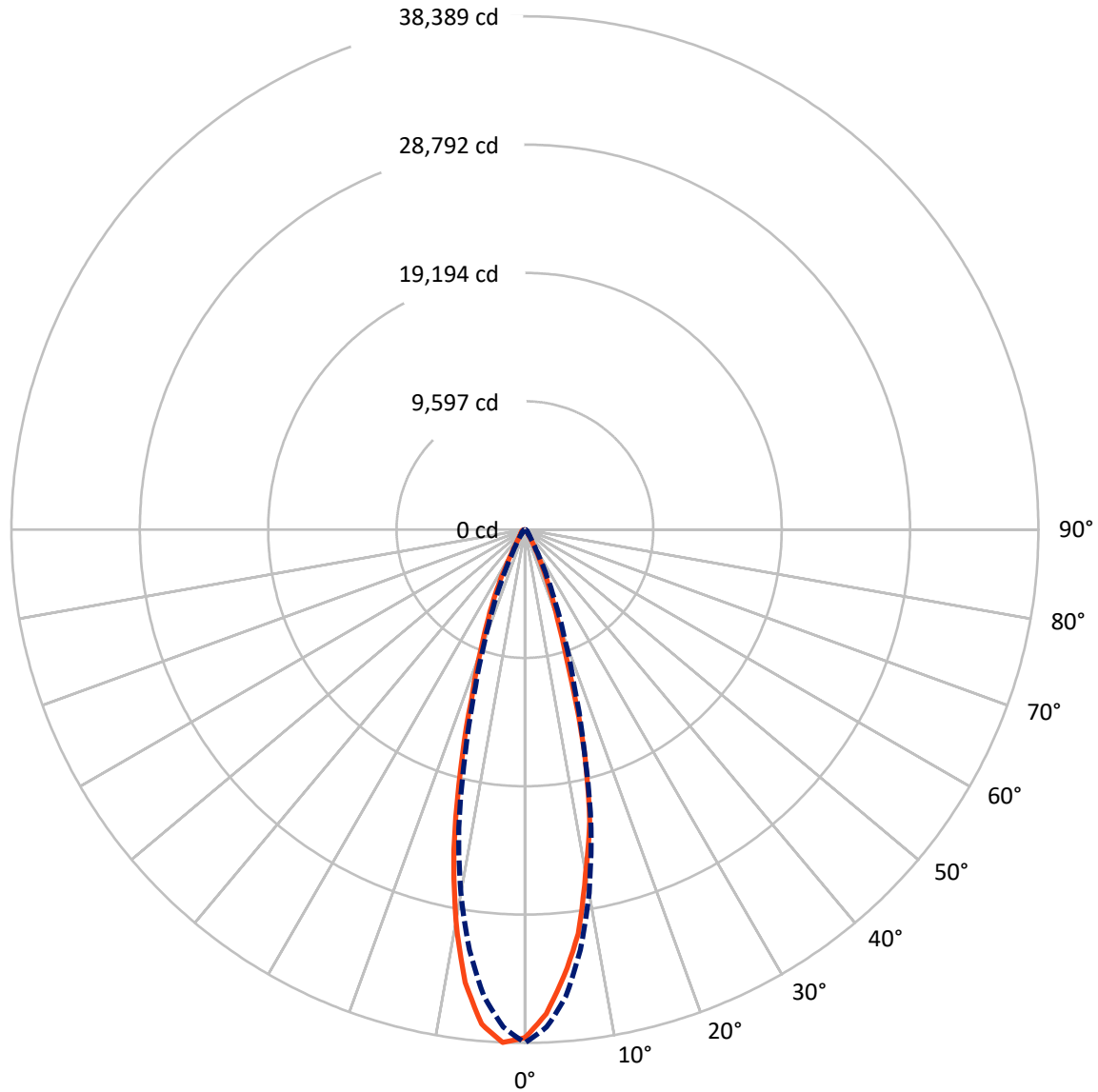
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### Lumen Table

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	0.0	0.0		
70																			
60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0			
50		0.0	0.1	0.3	0.7	1.2	1.7	2.1	2.1	1.7	1.2	0.7	0.3	0.1	0.0				
40	0.0	0.1	0.4	1.2	2.3	3.5	4.9	5.8	5.8	4.9	3.5	2.3	1.2	0.4	0.1	0.0			
30		0.2	0.9	2.3	4.3	7.0	11.7	15.7	15.7	11.7	7.0	4.3	2.3	0.9	0.2				
20	0.1	0.3	1.5	3.6	6.8	16.4	51.7	94.8	94.8	51.7	16.4	6.8	3.6	1.5	0.3	0.1			
10		0.5	2.0	4.8	11.6	56.7	230.6	451.5	451.5	230.6	56.7	11.6	4.8	2.0	0.5				
0	0.2	0.7	2.5	5.8	16.6	108.1	465.6	912.6	912.6	465.6	108.1	16.6	5.8	2.5	0.7	0.2			
-10		0.8	2.7	6.1	17.8	113.2	477.7	967.6	967.6	477.7	113.2	17.8	6.1	2.7	0.8				
-20	0.2	0.8	2.7	5.9	14.6	69.5	264.2	512.1	512.1	264.2	69.5	14.6	5.9	2.7	0.8	0.2			
-30		0.8	2.6	5.4	10.7	27.0	81.8	146.0	146.0	81.8	27.0	10.7	5.4	2.6	0.8				
-40	0.2	0.7	2.3	4.7	8.1	13.3	21.8	29.1	29.1	21.8	13.3	8.1	4.7	2.3	0.7	0.2			
-50		0.6	1.9	3.9	6.4	9.2	12.1	13.6	13.6	12.1	9.2	6.4	3.9	1.9	0.6				
-60	0.1	0.5	1.4	3.0	5.0	7.0	8.7	9.5	9.5	8.7	7.0	5.0	3.0	1.4	0.5	0.1			
-70		0.3	0.9	2.0	3.3	4.8	6.0	6.6	6.6	6.0	4.8	3.3	2.0	0.9	0.3				
-80	0.0	0.7	3.2	6.9	8.8	6.9	3.2	0.7	0.0										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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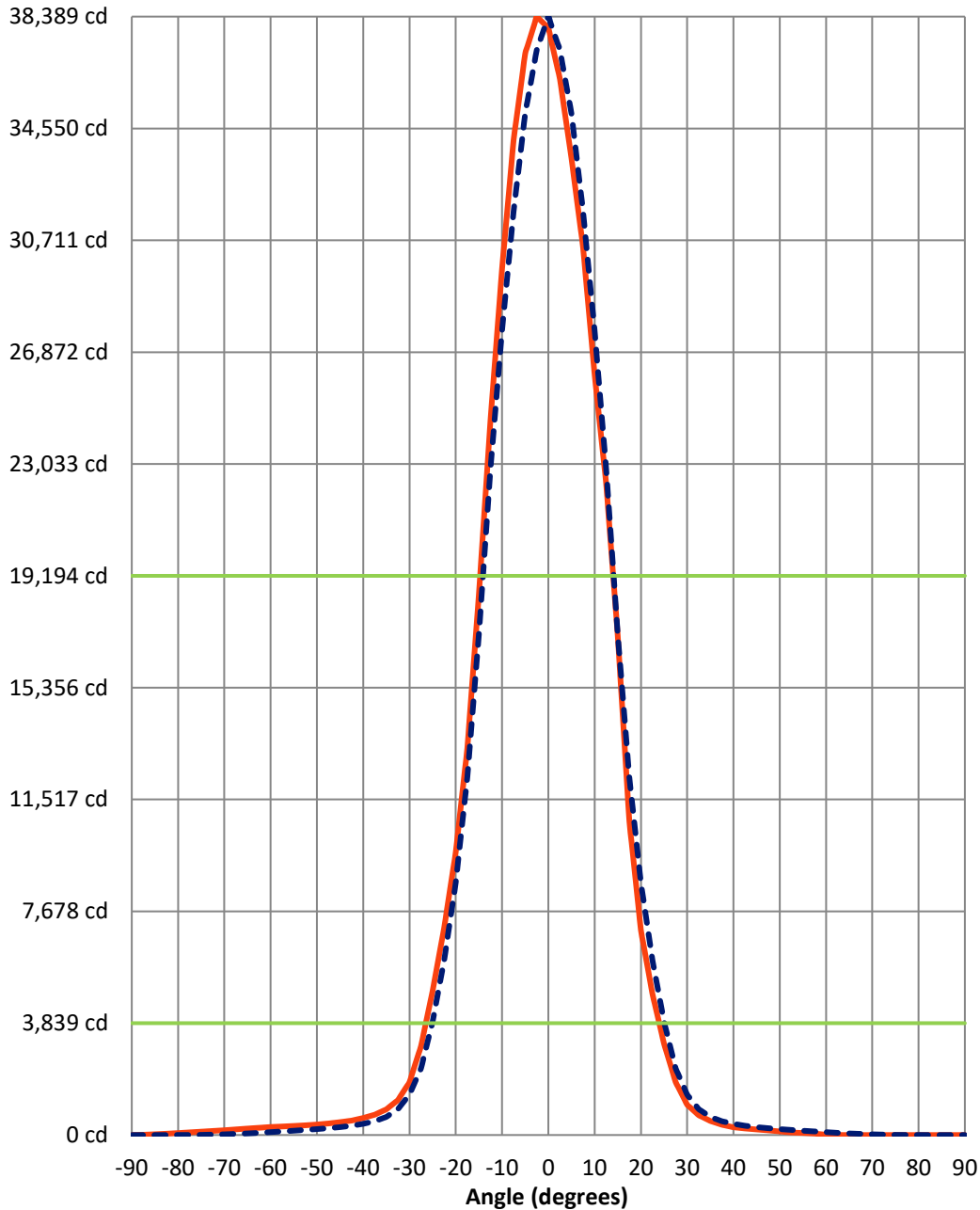
### Luminous Intensity Polar Plot



— 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: 5444.1  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 9354.8  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 1533.2  
 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	0
60°	0	0	0	0	0	0	0	0	0	1	1
57.5°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	1	2	1
52.5°	0	0	0	0	0	0	0	1	2	2	1
50°	0	0	0	0	0	0	1	1	2	2	2
47.5°	0	0	0	0	0	0	1	2	2	2	2
45°	0	0	0	0	0	1	1	2	2	2	2
42.5°	0	0	0	0	0	1	2	2	2	2	4
40°	0	0	0	0	0	1	2	2	3	2	6
37.5°	0	0	0	0	0	2	2	2	3	4	8
35°	0	0	0	0	1	2	2	2	4	6	10
32.5°	0	0	0	0	1	2	2	2	4	8	13
30°	0	0	0	0	1	2	2	3	5	10	16
27.5°	0	0	0	0	1	2	2	3	7	12	19
25°	0	0	0	0	1	2	2	4	9	15	23
22.5°	0	0	0	0	2	2	2	5	10	17	27
20°	0	0	0	0	2	2	2	6	12	20	31
17.5°	0	0	0	0	2	2	3	7	13	23	35
15°	0	0	0	0	2	2	3	8	15	25	38
12.5°	0	0	0	0	2	2	3	9	16	28	41
10°	0	0	0	0	2	2	3	11	17	31	44
7.5°	0	0	0	0	2	2	4	12	19	33	47
5°	0	0	0	0	2	2	4	13	20	35	49
2.5°	0	0	0	0	2	2	4	14	21	37	51
0°	0	0	0	0	2	2	5	14	22	39	53
-2.5°	0	0	0	0	2	3	6	15	24	40	55
-5°	0	0	0	0	2	3	7	15	26	41	56
-7.5°	0	0	0	0	2	3	7	15	27	42	57
-10°	0	0	0	1	2	3	8	15	29	43	58
-12.5°	0	0	0	1	2	4	9	15	29	43	59
-15°	0	0	0	1	2	4	9	15	30	44	60
-17.5°	0	0	0	1	2	4	10	16	29	44	61
-20°	0	0	0	1	2	4	10	17	29	44	60

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	1	2	4	10	17	28	44	60
-25°	0	0	0	1	2	4	10	18	28	43	58
-27.5°	0	0	0	1	2	4	10	18	27	41	57
-30°	0	0	0	1	2	5	10	18	26	40	55
-32.5°	0	0	0	1	3	5	10	18	26	39	53
-35°	0	0	0	1	3	5	10	18	26	37	50
-37.5°	0	0	0	1	3	5	10	17	25	36	49
-40°	0	0	0	1	3	5	10	17	25	34	47
-42.5°	0	0	0	1	3	5	9	16	24	33	46
-45°	0	0	0	0	3	5	9	15	23	32	44
-47.5°	0	0	0	0	3	5	9	15	22	30	41
-50°	0	0	0	0	3	5	8	14	21	28	38
-52.5°	0	0	0	0	2	5	8	13	19	27	35
-55°	0	0	0	0	2	5	7	11	18	24	33
-57.5°	0	0	0	1	2	4	7	11	16	22	30
-60°	0	0	0	1	2	4	6	10	14	20	27
-62.5°	0	0	0	1	2	4	6	9	13	18	24
-65°	0	0	0	1	2	3	5	8	11	16	21
-67.5°	0	0	0	1	2	3	5	7	10	14	18
-70°	0	0	0	1	1	3	4	6	9	12	16
-72.5°	0	0	0	0	1	2	4	5	7	10	13
-75°	0	0	0	0	1	2	4	5	6	8	11
-77.5°	0	0	0	0	1	2	3	4	5	6	8
-80°	0	0	0	0	1	2	2	3	4	5	6
-82.5°	0	0	0	0	1	1	2	2	2	3	4
-85°	0	0	0	0	0	1	1	1	2	2	2
-87.5°	0	0	0	0	0	0	1	1	1	1	1
-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	0	1	0	1	1
60°	0	0	0	1	1	1	1	2	2	2	5
57.5°	0	1	1	1	2	3	4	5	8	11	13
55°	1	2	2	2	3	6	8	12	16	21	25
52.5°	2	2	2	4	7	11	15	21	27	32	36
50°	2	3	3	8	12	18	25	33	39	43	50
47.5°	3	4	7	12	19	27	37	43	49	58	67
45°	5	7	12	18	27	38	47	53	62	73	83
42.5°	6	11	17	24	37	48	56	65	76	87	98
40°	9	14	23	34	47	58	68	78	89	102	114
37.5°	12	20	30	43	57	68	80	92	105	119	133
35°	15	26	38	52	66	80	93	106	122	138	153
32.5°	19	31	45	60	75	90	105	122	139	156	175
30°	25	37	51	68	83	100	118	138	154	173	194
27.5°	30	43	58	75	91	109	132	151	169	190	212
25°	35	49	65	82	100	120	144	164	183	206	232
22.5°	40	55	72	88	108	132	156	178	200	222	253
20°	45	61	79	96	116	142	168	193	218	246	281
17.5°	50	67	86	105	126	153	180	207	235	270	313
15°	54	72	93	113	136	163	192	222	255	295	345
12.5°	58	77	99	121	145	173	202	234	271	320	382
10°	62	82	105	128	153	181	211	244	285	337	409
7.5°	65	86	111	134	159	189	219	253	296	351	431
5°	68	90	115	138	164	194	225	260	305	362	449
2.5°	70	94	118	142	168	198	229	265	310	373	462
0°	72	97	121	145	172	201	232	268	314	382	471
-2.5°	75	100	124	148	175	203	235	271	318	385	474
-5°	77	102	126	150	177	205	236	272	320	385	475
-7.5°	78	104	127	152	179	206	237	274	322	384	474
-10°	79	105	129	153	180	208	237	273	320	380	466
-12.5°	80	106	129	154	181	208	237	271	315	373	451
-15°	81	106	129	154	181	208	235	267	308	363	432
-17.5°	82	105	129	152	179	206	232	263	302	353	418
-20°	81	105	127	150	177	204	230	259	295	341	400

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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°	81	104	126	148	174	200	226	254	288	326	379
-25°	80	103	124	146	170	195	222	247	279	316	361
-27.5°	78	101	122	143	166	190	215	241	270	304	342
-30°	75	98	119	140	162	185	208	234	260	291	326
-32.5°	71	94	115	136	158	180	201	225	251	278	309
-35°	68	90	111	131	153	174	194	216	240	266	292
-37.5°	66	86	106	125	146	167	186	206	228	253	277
-40°	63	81	101	120	139	160	179	197	217	240	264
-42.5°	60	78	96	115	132	151	171	188	207	229	251
-45°	58	74	91	109	127	143	161	180	198	217	238
-47.5°	55	70	86	102	120	137	152	170	189	207	225
-50°	51	66	81	96	112	129	145	160	177	196	213
-52.5°	47	61	75	88	104	120	136	152	167	182	199
-55°	43	55	68	81	95	110	126	141	157	171	186
-57.5°	38	49	62	74	87	99	114	129	144	159	173
-60°	35	43	54	66	79	90	103	117	131	145	158
-62.5°	30	38	47	58	69	81	93	105	118	129	141
-65°	27	33	41	50	59	70	81	93	104	114	123
-67.5°	23	29	35	42	51	59	68	78	89	98	106
-70°	20	24	29	35	42	49	57	65	73	81	89
-72.5°	17	20	24	28	34	40	46	53	59	66	73
-75°	13	16	19	23	27	32	37	43	49	54	59
-77.5°	10	13	15	18	21	25	29	33	38	42	47
-80°	7	9	12	14	16	19	21	24	27	31	34
-82.5°	5	7	8	10	11	13	14	16	18	21	23
-85°	3	4	5	6	7	7	8	9	10	12	13
-87.5°	1	2	2	3	3	3	3	3	4	5	5
-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	1	1	0	0	0
62.5°	1	1	2	2	3	3	3	3	3	3	3
60°	6	6	9	11	11	8	12	14	13	11	11
57.5°	17	21	24	25	29	34	35	35	35	37	41
55°	30	33	35	40	45	50	53	56	59	62	65
52.5°	40	46	50	55	62	65	67	74	80	84	87
50°	57	63	70	76	83	88	93	100	108	116	121
47.5°	75	83	91	101	108	114	120	129	140	150	156
45°	92	101	111	120	128	136	146	157	168	178	185
42.5°	107	117	128	139	146	158	171	182	196	209	218
40°	125	134	150	161	171	183	203	219	236	251	261
37.5°	146	162	178	192	205	221	247	273	294	315	329
35°	170	189	211	225	245	274	307	343	379	408	434
32.5°	194	215	237	260	290	332	373	431	484	539	590
30°	215	239	265	296	343	402	469	557	653	748	857
27.5°	238	264	295	343	415	495	620	758	956	1116	1372
25°	262	292	334	411	511	651	868	1116	1525	1875	2269
22.5°	292	337	397	494	660	912	1251	1790	2419	3002	3559
20°	328	390	492	646	884	1273	1915	2733	3607	4461	5287
17.5°	376	474	621	840	1177	1994	2949	4118	5615	6739	7805
15°	420	544	766	1121	1755	2806	4141	5931	7946	9640	11557
12.5°	472	622	889	1349	2256	3646	5347	7482	9867	12438	15440
10°	517	701	1046	1679	2779	4396	6302	8809	11872	15510	19304
7.5°	552	768	1177	1926	3219	5011	7286	10334	14213	18466	22792
5°	579	819	1279	2119	3593	5511	8003	11540	15962	20843	25146
2.5°	600	855	1347	2238	3847	5852	8494	12182	17032	22396	26913
0°	616	877	1385	2323	3964	6014	8721	12441	17534	23156	27802
-2.5°	622	889	1387	2293	3893	6004	8668	12282	17188	22854	27613
-5°	624	883	1352	2233	3766	5789	8321	11679	16131	21446	26269
-7.5°	620	859	1281	2083	3481	5409	7836	10784	14433	19119	24104
-10°	603	818	1185	1880	3089	4815	7082	9572	12487	16313	20353
-12.5°	573	757	1052	1576	2627	4144	6151	8352	10624	13138	16461
-15°	537	693	944	1392	2200	3438	5064	6923	8809	10734	12761
-17.5°	509	639	833	1146	1689	2690	3990	5484	7014	8543	9908
-20°	474	573	725	968	1363	1955	2933	4095	5239	6485	7531

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REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-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°	443	527	641	794	1060	1477	2034	2852	3721	4626	5485
-25°	414	477	568	691	849	1097	1465	1893	2503	3060	3698
-27.5°	389	442	504	595	715	851	1077	1326	1646	1911	2337
-30°	365	408	458	517	605	708	830	981	1137	1294	1498
-32.5°	343	379	418	466	520	598	673	770	856	950	1047
-35°	321	353	385	423	465	516	572	637	694	750	801
-37.5°	302	329	357	387	420	456	500	546	584	621	653
-40°	286	308	332	357	384	412	447	480	506	530	550
-42.5°	272	291	310	331	353	380	406	432	450	466	479
-45°	258	275	292	309	327	350	373	393	407	420	429
-47.5°	243	259	274	290	307	326	344	359	371	382	389
-50°	229	244	258	271	287	303	319	331	342	352	357
-52.5°	215	229	243	257	269	282	295	307	318	327	331
-55°	201	215	228	240	253	265	276	287	296	306	309
-57.5°	188	202	215	225	236	247	258	268	278	286	289
-60°	172	187	198	208	218	229	238	248	257	265	269
-62.5°	154	167	178	187	197	206	214	223	231	238	242
-65°	133	144	154	164	172	180	188	196	203	208	211
-67.5°	114	122	131	140	148	156	163	170	176	181	183
-70°	96	104	111	119	127	134	140	146	152	156	159
-72.5°	80	86	93	100	107	113	118	124	129	132	135
-75°	65	70	76	82	88	93	97	102	106	109	111
-77.5°	52	56	60	64	69	73	76	80	83	85	88
-80°	38	42	45	48	51	54	57	59	62	64	66
-82.5°	26	28	31	34	36	38	39	41	42	43	45
-85°	15	17	18	20	21	22	23	24	25	26	27
-87.5°	6	7	7	8	9	9	9	9	9	10	11
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-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	0	1
62.5°	3	2	2	2	2	2	3	3	3	3	3
60°	11	10	10	10	10	10	11	11	11	13	14
57.5°	45	48	50	51	50	48	45	41	37	35	35
55°	69	71	71	70	71	71	69	65	62	59	56
52.5°	89	89	88	87	88	89	89	87	84	80	74
50°	123	123	123	123	123	123	123	121	116	108	100
47.5°	158	160	160	160	160	160	158	156	150	140	129
45°	189	191	192	191	192	191	189	185	178	168	157
42.5°	222	223	224	225	224	223	222	218	209	196	182
40°	265	267	267	266	267	267	265	261	251	236	219
37.5°	339	344	347	353	347	344	339	329	315	294	273
35°	454	467	473	483	473	467	454	434	408	379	343
32.5°	627	653	666	679	666	653	627	590	539	484	431
30°	932	982	1002	1039	1002	982	932	857	748	653	557
27.5°	1561	1679	1725	1823	1725	1679	1561	1372	1116	956	758
25°	2629	2883	3024	3135	3024	2883	2629	2269	1875	1525	1116
22.5°	4121	4495	4694	4842	4694	4495	4121	3559	3002	2419	1790
20°	6036	6529	6823	7036	6823	6529	6036	5287	4461	3607	2733
17.5°	9173	9948	10401	10790	10401	9948	9173	7805	6739	5615	4118
15°	13695	15251	16461	17135	16461	15251	13695	11557	9640	7946	5931
12.5°	18093	20373	21728	22351	21728	20373	18093	15440	12438	9867	7482
10°	22444	24593	25882	26110	25882	24593	22444	19304	15510	11872	8809
7.5°	25774	28138	29851	30473	29851	28138	25774	22792	18466	14213	10334
5°	28715	31484	33296	33526	33296	31484	28715	25146	20843	15962	11540
2.5°	30879	33888	35646	36250	35646	33888	30879	26913	22396	17032	12182
0°	31925	35167	37122	38002	37122	35167	31925	27802	23156	17534	12441
-2.5°	31705	35058	37240	38389	37240	35058	31705	27613	22854	17188	12282
-5°	30500	33862	35897	37117	35897	33862	30500	26269	21446	16131	11679
-7.5°	27720	30864	33031	34156	33031	30864	27720	24104	19119	14433	10784
-10°	24138	26799	28773	29733	28773	26799	24138	20353	16313	12487	9572
-12.5°	19483	22064	23846	24524	23846	22064	19483	16461	13138	10624	8352
-15°	14927	16897	18163	18564	18163	16897	14927	12761	10734	8809	6923
-17.5°	11320	12381	13093	13285	13093	12381	11320	9908	8543	7014	5484
-20°	8481	9138	9600	9710	9600	9138	8481	7531	6485	5239	4095

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REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	6179	6673	7047	7121	7047	6673	6179	5485	4626	3721	2852
-25°	4263	4676	4929	4948	4929	4676	4263	3698	3060	2503	1893
-27.5°	2672	2899	3016	3058	3016	2899	2672	2337	1911	1646	1326
-30°	1651	1756	1811	1813	1811	1756	1651	1498	1294	1137	981
-32.5°	1121	1172	1199	1199	1199	1172	1121	1047	950	856	770
-35°	840	866	881	882	881	866	840	801	750	694	637
-37.5°	675	690	697	699	697	690	675	653	621	584	546
-40°	565	575	581	585	581	575	565	550	530	506	480
-42.5°	488	495	498	496	498	495	488	479	466	450	432
-45°	435	439	441	442	441	439	435	429	420	407	393
-47.5°	393	395	396	396	396	395	393	389	382	371	359
-50°	359	361	361	360	361	361	359	357	352	342	331
-52.5°	332	333	333	334	333	333	332	331	327	318	307
-55°	310	311	312	312	312	311	310	309	306	296	287
-57.5°	292	294	294	293	294	294	292	289	286	278	268
-60°	272	274	275	276	275	274	272	269	265	257	248
-62.5°	245	247	249	249	249	247	245	242	238	231	223
-65°	214	216	219	222	219	216	214	211	208	203	196
-67.5°	186	188	191	193	191	188	186	183	181	176	170
-70°	161	163	164	164	164	163	161	159	156	152	146
-72.5°	137	139	140	140	140	139	137	135	132	129	124
-75°	113	115	116	116	116	115	113	111	109	106	102
-77.5°	90	91	92	92	92	91	90	88	85	83	80
-80°	68	70	69	68	69	70	68	66	64	62	59
-82.5°	47	48	47	46	47	48	47	45	43	42	41
-85°	28	29	28	27	28	29	28	27	26	25	24
-87.5°	11	12	11	10	11	12	11	11	10	9	9
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-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°	1	0	0	0	0	0	0	0	0	0	0
62.5°	3	3	3	2	2	1	1	1	1	0	1
60°	12	8	11	11	9	6	6	5	2	2	2
57.5°	35	34	29	25	24	21	17	13	11	8	5
55°	53	50	45	40	35	33	30	25	21	16	12
52.5°	67	65	62	55	50	46	40	36	32	27	21
50°	93	88	83	76	70	63	57	50	43	39	33
47.5°	120	114	108	101	91	83	75	67	58	49	43
45°	146	136	128	120	111	101	92	83	73	62	53
42.5°	171	158	146	139	128	117	107	98	87	76	65
40°	203	183	171	161	150	134	125	114	102	89	78
37.5°	247	221	205	192	178	162	146	133	119	105	92
35°	307	274	245	225	211	189	170	153	138	122	106
32.5°	373	332	290	260	237	215	194	175	156	139	122
30°	469	402	343	296	265	239	215	194	173	154	138
27.5°	620	495	415	343	295	264	238	212	190	169	151
25°	868	651	511	411	334	292	262	232	206	183	164
22.5°	1251	912	660	494	397	337	292	253	222	200	178
20°	1915	1273	884	646	492	390	328	281	246	218	193
17.5°	2949	1994	1177	840	621	474	376	313	270	235	207
15°	4141	2806	1755	1121	766	544	420	345	295	255	222
12.5°	5347	3646	2256	1349	889	622	472	382	320	271	234
10°	6302	4396	2779	1679	1046	701	517	409	337	285	244
7.5°	7286	5011	3219	1926	1177	768	552	431	351	296	253
5°	8003	5511	3593	2119	1279	819	579	449	362	305	260
2.5°	8494	5852	3847	2238	1347	855	600	462	373	310	265
0°	8721	6014	3964	2323	1385	877	616	471	382	314	268
-2.5°	8668	6004	3893	2293	1387	889	622	474	385	318	271
-5°	8321	5789	3766	2233	1352	883	624	475	385	320	272
-7.5°	7836	5409	3481	2083	1281	859	620	474	384	322	274
-10°	7082	4815	3089	1880	1185	818	603	466	380	320	273
-12.5°	6151	4144	2627	1576	1052	757	573	451	373	315	271
-15°	5064	3438	2200	1392	944	693	537	432	363	308	267
-17.5°	3990	2690	1689	1146	833	639	509	418	353	302	263
-20°	2933	1955	1363	968	725	573	474	400	341	295	259

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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°	2034	1477	1060	794	641	527	443	379	326	288	254
-25°	1465	1097	849	691	568	477	414	361	316	279	247
-27.5°	1077	851	715	595	504	442	389	342	304	270	241
-30°	830	708	605	517	458	408	365	326	291	260	234
-32.5°	673	598	520	466	418	379	343	309	278	251	225
-35°	572	516	465	423	385	353	321	292	266	240	216
-37.5°	500	456	420	387	357	329	302	277	253	228	206
-40°	447	412	384	357	332	308	286	264	240	217	197
-42.5°	406	380	353	331	310	291	272	251	229	207	188
-45°	373	350	327	309	292	275	258	238	217	198	180
-47.5°	344	326	307	290	274	259	243	225	207	189	170
-50°	319	303	287	271	258	244	229	213	196	177	160
-52.5°	295	282	269	257	243	229	215	199	182	167	152
-55°	276	265	253	240	228	215	201	186	171	157	141
-57.5°	258	247	236	225	215	202	188	173	159	144	129
-60°	238	229	218	208	198	187	172	158	145	131	117
-62.5°	214	206	197	187	178	167	154	141	129	118	105
-65°	188	180	172	164	154	144	133	123	114	104	93
-67.5°	163	156	148	140	131	122	114	106	98	89	78
-70°	140	134	127	119	111	104	96	89	81	73	65
-72.5°	118	113	107	100	93	86	80	73	66	59	53
-75°	97	93	88	82	76	70	65	59	54	49	43
-77.5°	76	73	69	64	60	56	52	47	42	38	33
-80°	57	54	51	48	45	42	38	34	31	27	24
-82.5°	39	38	36	34	31	28	26	23	21	18	16
-85°	23	22	21	20	18	17	15	13	12	10	9
-87.5°	9	9	9	8	7	7	6	5	5	4	3
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	0	0	0	0	0	0	0	0	0	0	0
60°	1	1	1	1	0	0	0	1	1	0	0
57.5°	4	3	2	1	1	1	0	1	1	0	0
55°	8	6	3	2	2	2	1	1	2	1	0
52.5°	15	11	7	4	2	2	2	1	2	2	1
50°	25	18	12	8	3	3	2	2	2	2	1
47.5°	37	27	19	12	7	4	3	2	2	2	2
45°	47	38	27	18	12	7	5	2	2	2	2
42.5°	56	48	37	24	17	11	6	4	2	2	2
40°	68	58	47	34	23	14	9	6	2	3	2
37.5°	80	68	57	43	30	20	12	8	4	3	2
35°	93	80	66	52	38	26	15	10	6	4	2
32.5°	105	90	75	60	45	31	19	13	8	4	2
30°	118	100	83	68	51	37	25	16	10	5	3
27.5°	132	109	91	75	58	43	30	19	12	7	3
25°	144	120	100	82	65	49	35	23	15	9	4
22.5°	156	132	108	88	72	55	40	27	17	10	5
20°	168	142	116	96	79	61	45	31	20	12	6
17.5°	180	153	126	105	86	67	50	35	23	13	7
15°	192	163	136	113	93	72	54	38	25	15	8
12.5°	202	173	145	121	99	77	58	41	28	16	9
10°	211	181	153	128	105	82	62	44	31	17	11
7.5°	219	189	159	134	111	86	65	47	33	19	12
5°	225	194	164	138	115	90	68	49	35	20	13
2.5°	229	198	168	142	118	94	70	51	37	21	14
0°	232	201	172	145	121	97	72	53	39	22	14
-2.5°	235	203	175	148	124	100	75	55	40	24	15
-5°	236	205	177	150	126	102	77	56	41	26	15
-7.5°	237	206	179	152	127	104	78	57	42	27	15
-10°	237	208	180	153	129	105	79	58	43	29	15
-12.5°	237	208	181	154	129	106	80	59	43	29	15
-15°	235	208	181	154	129	106	81	60	44	30	15
-17.5°	232	206	179	152	129	105	82	61	44	29	16
-20°	230	204	177	150	127	105	81	60	44	29	17

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REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	226	200	174	148	126	104	81	60	44	28	17
-25°	222	195	170	146	124	103	80	58	43	28	18
-27.5°	215	190	166	143	122	101	78	57	41	27	18
-30°	208	185	162	140	119	98	75	55	40	26	18
-32.5°	201	180	158	136	115	94	71	53	39	26	18
-35°	194	174	153	131	111	90	68	50	37	26	18
-37.5°	186	167	146	125	106	86	66	49	36	25	17
-40°	179	160	139	120	101	81	63	47	34	25	17
-42.5°	171	151	132	115	96	78	60	46	33	24	16
-45°	161	143	127	109	91	74	58	44	32	23	15
-47.5°	152	137	120	102	86	70	55	41	30	22	15
-50°	145	129	112	96	81	66	51	38	28	21	14
-52.5°	136	120	104	88	75	61	47	35	27	19	13
-55°	126	110	95	81	68	55	43	33	24	18	11
-57.5°	114	99	87	74	62	49	38	30	22	16	11
-60°	103	90	79	66	54	43	35	27	20	14	10
-62.5°	93	81	69	58	47	38	30	24	18	13	9
-65°	81	70	59	50	41	33	27	21	16	11	8
-67.5°	68	59	51	42	35	29	23	18	14	10	7
-70°	57	49	42	35	29	24	20	16	12	9	6
-72.5°	46	40	34	28	24	20	17	13	10	7	5
-75°	37	32	27	23	19	16	13	11	8	6	5
-77.5°	29	25	21	18	15	13	10	8	6	5	4
-80°	21	19	16	14	12	9	7	6	5	4	3
-82.5°	14	13	11	10	8	7	5	4	3	2	2
-85°	8	7	7	6	5	4	3	2	2	2	1
-87.5°	3	3	3	3	2	2	1	1	1	1	1
-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: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-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°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0
45°	1	1	0	0	0	0	0
42.5°	2	1	0	0	0	0	0
40°	2	1	0	0	0	0	0
37.5°	2	2	0	0	0	0	0
35°	2	2	1	0	0	0	0
32.5°	2	2	1	0	0	0	0
30°	2	2	1	0	0	0	0
27.5°	2	2	1	0	0	0	0
25°	2	2	1	0	0	0	0
22.5°	2	2	2	0	0	0	0
20°	2	2	2	0	0	0	0
17.5°	3	2	2	0	0	0	0
15°	3	2	2	0	0	0	0
12.5°	3	2	2	0	0	0	0
10°	3	2	2	0	0	0	0
7.5°	4	2	2	0	0	0	0
5°	4	2	2	0	0	0	0
2.5°	4	2	2	0	0	0	0
0°	5	2	2	0	0	0	0
-2.5°	6	3	2	0	0	0	0
-5°	7	3	2	0	0	0	0
-7.5°	7	3	2	0	0	0	0
-10°	8	3	2	1	0	0	0
-12.5°	9	4	2	1	0	0	0
-15°	9	4	2	1	0	0	0
-17.5°	10	4	2	1	0	0	0
-20°	10	4	2	1	0	0	0

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REPORT NUMBER: P627074 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-727-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10	4	2	1	0	0	0
-25°	10	4	2	1	0	0	0
-27.5°	10	4	2	1	0	0	0
-30°	10	5	2	1	0	0	0
-32.5°	10	5	3	1	0	0	0
-35°	10	5	3	1	0	0	0
-37.5°	10	5	3	1	0	0	0
-40°	10	5	3	1	0	0	0
-42.5°	9	5	3	1	0	0	0
-45°	9	5	3	0	0	0	0
-47.5°	9	5	3	0	0	0	0
-50°	8	5	3	0	0	0	0
-52.5°	8	5	2	0	0	0	0
-55°	7	5	2	0	0	0	0
-57.5°	7	4	2	1	0	0	0
-60°	6	4	2	1	0	0	0
-62.5°	6	4	2	1	0	0	0
-65°	5	3	2	1	0	0	0
-67.5°	5	3	2	1	0	0	0
-70°	4	3	1	1	0	0	0
-72.5°	4	2	1	0	0	0	0
-75°	4	2	1	0	0	0	0
-77.5°	3	2	1	0	0	0	0
-80°	2	2	1	0	0	0	0
-82.5°	2	1	1	0	0	0	0
-85°	1	1	0	0	0	0	0
-87.5°	1	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)