

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: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-727-U-MR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627374 (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-SA4C-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
Luminaire Lumens: 19832 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 69924.2 candela
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V
Beam Lumens: 9916.2 lumens
Beam Efficiency: 50.0%

Field Angle (10%): 50.2°H x 50.4°V
Field Lumens: 17039.4 lumens
Field Efficiency: 85.9%

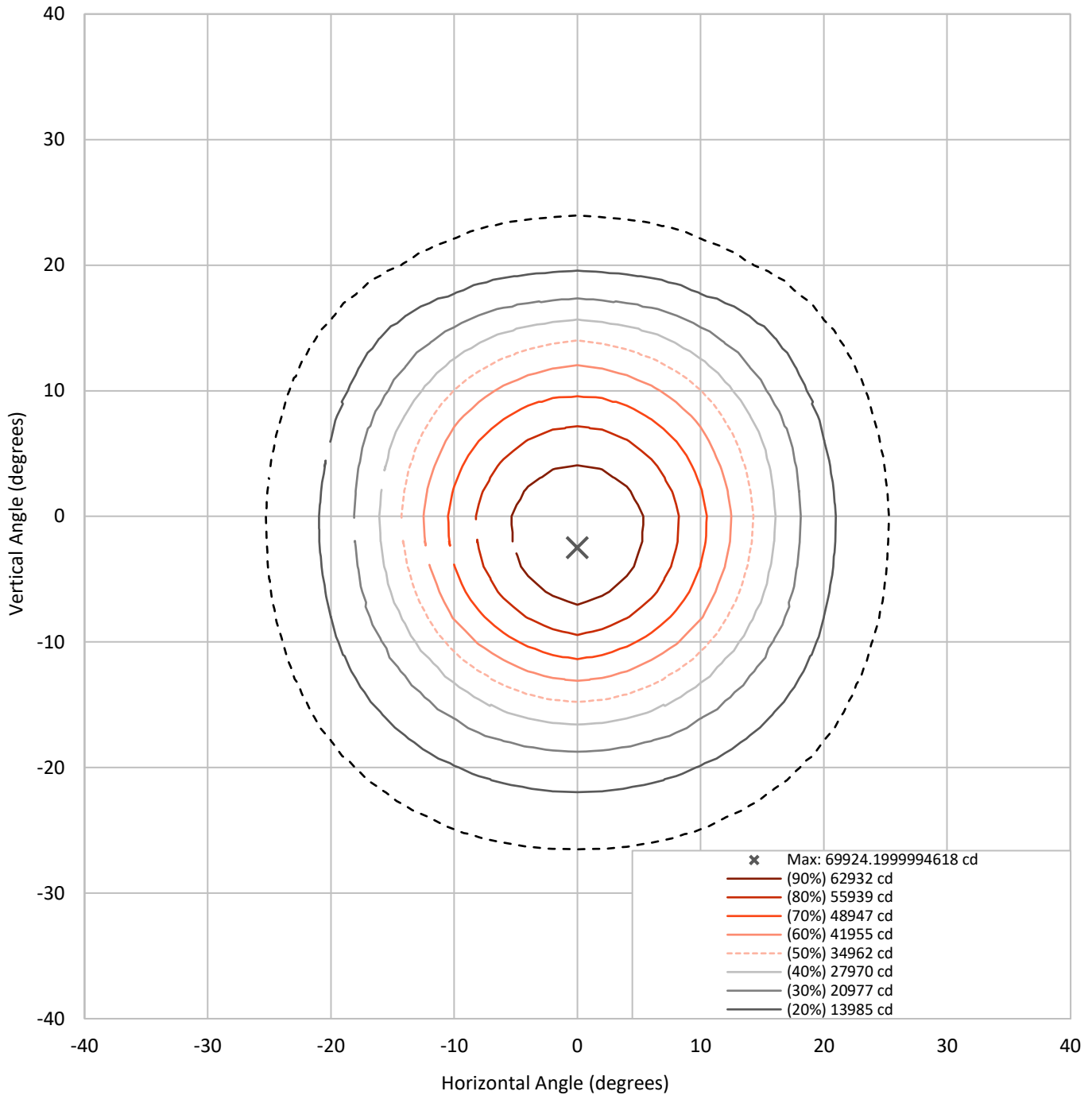
Input Watts (W): 168.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-727-U-MR-VSR-XX

Iso-Candela Plot





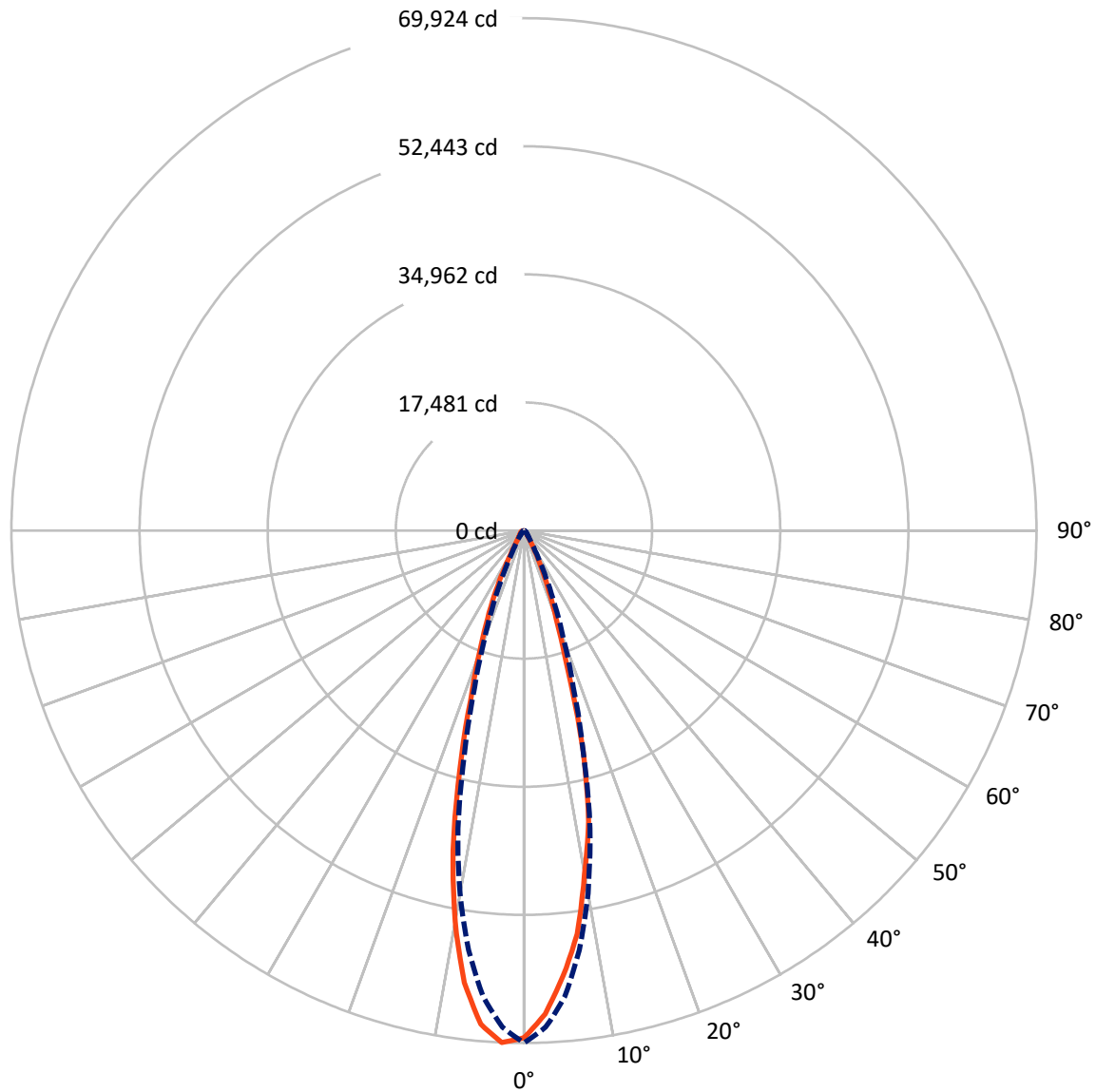
REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	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	0.0	0.0	
50		0.0	0.1	0.6	1.4	2.3	3.1	3.7	3.7	3.1	2.3	1.4	0.6	0.1	0.0				
40	0.1	0.1	0.7	2.2	4.2	6.4	9.0	10.6	10.6	9.0	6.4	4.2	2.2	0.7	0.1	0.1	0.1	0.1	
30		0.3	1.7	4.2	7.8	12.8	21.4	28.5	28.5	21.4	12.8	7.8	4.2	1.7	0.3				
20	0.1	0.6	2.7	6.5	12.3	30.0	94.1	172.6	172.6	94.1	30.0	12.3	6.5	2.7	0.6	0.1	0.1	0.1	
10		1.0	3.7	8.8	21.1	103.3	420.0	822.4	822.4	420.0	103.3	21.1	8.8	3.7	1.0				
0	0.3	1.3	4.5	10.5	30.3	196.9	848.0	1662.2	1662.2	848.0	196.9	30.3	10.5	4.5	1.3	0.3	0.3	0.3	
-10		1.4	4.9	11.1	32.3	206.2	870.2	1762.5	1762.5	870.2	206.2	32.3	11.1	4.9	1.4				
-20	0.4	1.5	5.0	10.8	26.6	126.7	481.2	932.7	932.7	481.2	126.7	26.6	10.8	5.0	1.5	0.4	0.4	0.4	
-30		1.5	4.7	9.9	19.5	49.2	149.0	265.9	265.9	149.0	49.2	19.5	9.9	4.7	1.5				
-40	0.4	1.3	4.2	8.6	14.8	24.3	39.6	53.0	53.0	39.6	24.3	14.8	8.6	4.2	1.3	0.4	0.4	0.4	
-50		1.1	3.5	7.1	11.7	16.7	22.0	24.7	24.7	22.0	16.7	11.7	7.1	3.5	1.1				
-60	0.2	0.8	2.6	5.5	9.1	12.7	15.9	17.3	17.3	15.9	12.7	9.1	5.5	2.6	0.8	0.2	0.2	0.2	
-70		0.5	1.6	3.6	6.1	8.7	10.8	12.0	12.0	10.8	8.7	6.1	3.6	1.6	0.5				
-80	0.1	1.3	5.9	12.6	16.0	12.6	5.9	1.3	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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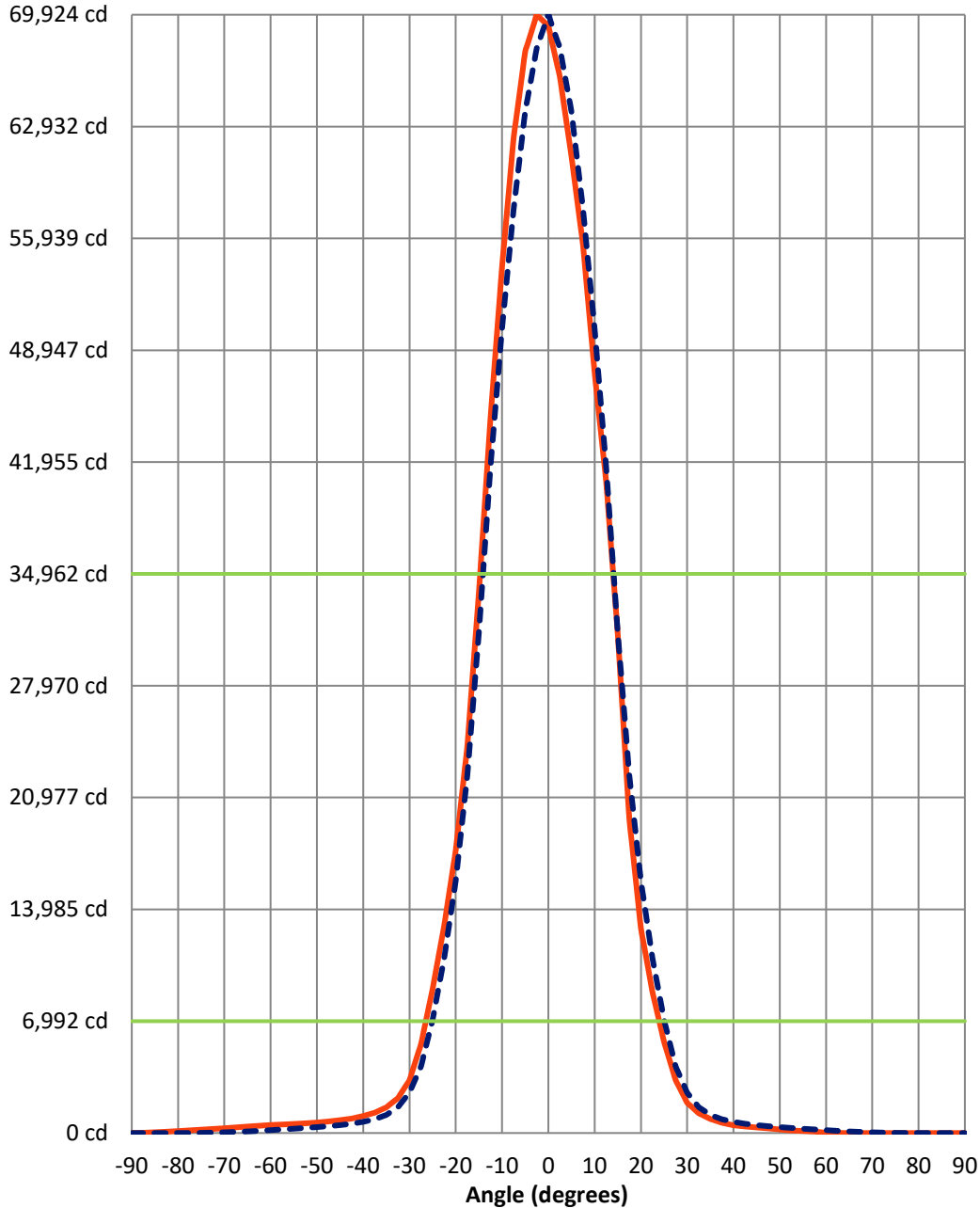
Luminous Intensity Polar Plot



— 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: 9916.2
 Efficiency: 50.0%

Field:
 H Angle: 50.2°
 V Angle: 50.4°
 Lumens: 17039.4
 Efficiency: 85.9%

Spill:
 Lumens: 2792.6
 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	1
57.5°	0	0	0	0	0	0	0	0	1	2	2
55°	0	0	0	0	0	0	0	0	2	3	2
52.5°	0	0	0	0	0	0	1	1	3	3	2
50°	0	0	0	0	0	0	1	2	4	3	3
47.5°	0	0	0	0	0	1	2	3	4	4	4
45°	0	0	0	0	0	1	2	4	4	4	4
42.5°	0	0	0	0	0	2	3	4	4	4	7
40°	0	0	0	0	0	2	4	4	5	4	11
37.5°	0	0	0	0	1	3	4	4	5	6	14
35°	0	0	0	0	1	3	4	4	7	11	19
32.5°	0	0	0	0	2	4	4	4	8	15	24
30°	0	0	0	0	2	4	4	5	10	19	29
27.5°	0	0	0	0	2	4	4	6	12	22	35
25°	0	0	0	0	3	4	4	8	16	27	41
22.5°	0	0	0	0	3	4	4	9	19	31	49
20°	0	0	0	0	3	4	4	11	21	36	57
17.5°	0	0	0	0	4	4	5	13	24	41	63
15°	0	0	0	0	4	4	5	15	27	46	70
12.5°	0	0	0	0	4	4	6	17	29	51	75
10°	0	0	0	0	4	4	6	19	32	56	80
7.5°	0	0	0	0	4	4	7	21	34	60	85
5°	0	0	0	0	4	4	8	23	36	64	90
2.5°	0	0	0	0	4	4	8	25	38	67	94
0°	0	0	0	0	4	4	9	26	40	70	97
-2.5°	0	0	0	0	4	5	11	27	43	73	100
-5°	0	0	0	1	4	5	12	27	47	75	102
-7.5°	0	0	0	1	4	6	14	28	50	77	104
-10°	0	0	0	1	4	6	15	28	52	78	105
-12.5°	0	0	0	1	4	7	16	28	54	79	107
-15°	0	0	0	2	4	7	17	28	54	80	109
-17.5°	0	0	0	2	4	7	17	29	53	81	110
-20°	0	0	0	2	4	7	18	31	53	80	110

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REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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	2	4	7	18	32	52	79	109
-25°	0	0	0	2	4	7	18	32	50	78	106
-27.5°	0	0	0	2	4	8	18	33	49	75	103
-30°	0	0	0	2	4	9	18	33	48	73	100
-32.5°	0	0	0	2	5	9	18	33	48	70	96
-35°	0	0	0	2	5	9	18	32	47	67	91
-37.5°	0	0	0	2	6	9	18	31	46	65	89
-40°	0	0	0	1	6	9	18	30	45	63	87
-42.5°	0	0	0	1	6	10	17	29	43	61	83
-45°	0	0	0	1	5	10	17	28	42	58	79
-47.5°	0	0	0	1	5	10	16	27	40	54	75
-50°	0	0	0	1	5	9	15	25	38	52	70
-52.5°	0	0	0	1	4	9	14	23	35	48	64
-55°	0	0	0	1	4	8	14	21	32	45	59
-57.5°	0	0	0	1	4	8	13	19	29	41	54
-60°	0	0	0	1	3	7	11	18	26	37	49
-62.5°	0	0	0	1	3	7	11	16	23	32	43
-65°	0	0	0	1	3	6	10	14	21	29	38
-67.5°	0	0	0	1	3	5	9	13	18	25	33
-70°	0	0	0	1	3	5	8	12	16	22	29
-72.5°	0	0	0	1	2	5	7	10	14	18	24
-75°	0	0	0	1	2	4	6	9	11	15	19
-77.5°	0	0	0	1	2	3	5	7	9	11	14
-80°	0	0	0	1	1	3	4	5	7	8	10
-82.5°	0	0	0	0	1	2	3	4	5	6	7
-85°	0	0	0	0	1	1	2	3	3	3	4
-87.5°	0	0	0	0	0	1	1	1	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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	1	0	1	2
60°	0	0	1	1	1	2	3	4	4	4	9
57.5°	1	1	2	2	3	5	7	8	14	20	24
55°	1	3	3	4	6	10	14	22	29	39	46
52.5°	3	4	4	7	13	19	28	39	50	59	66
50°	4	5	6	14	22	32	46	60	70	79	91
47.5°	6	7	13	23	34	49	67	79	89	105	123
45°	8	13	21	33	49	69	85	96	114	132	151
42.5°	12	20	31	44	68	88	103	119	138	159	179
40°	17	26	42	62	86	105	124	143	162	186	208
37.5°	23	36	54	79	103	125	146	168	191	217	242
35°	28	47	68	94	119	145	169	193	222	251	279
32.5°	35	57	81	109	136	164	191	223	253	284	319
30°	45	68	94	123	152	182	216	251	281	316	353
27.5°	55	78	106	137	166	199	240	275	308	345	386
25°	64	89	118	149	182	219	263	299	333	375	423
22.5°	73	99	132	160	196	240	284	324	364	405	461
20°	82	111	144	175	211	259	306	351	396	448	512
17.5°	90	122	157	191	230	278	327	378	429	492	571
15°	98	132	169	206	248	297	349	404	464	537	628
12.5°	105	141	180	220	264	314	368	425	494	583	695
10°	112	149	191	233	278	330	384	444	518	614	745
7.5°	118	156	202	244	290	343	399	461	539	640	785
5°	124	164	209	252	299	354	410	474	555	660	818
2.5°	128	170	215	259	307	361	418	483	566	680	842
0°	132	176	220	264	313	365	423	489	572	696	858
-2.5°	136	182	225	270	319	370	428	494	580	700	862
-5°	140	186	229	274	323	373	430	496	584	701	864
-7.5°	142	190	232	277	326	376	432	498	586	700	864
-10°	143	191	234	279	329	378	433	498	583	692	849
-12.5°	146	192	235	280	330	379	431	493	574	679	822
-15°	148	192	235	280	329	378	427	486	562	662	786
-17.5°	149	192	234	278	326	376	423	478	549	643	762
-20°	148	191	232	274	322	372	418	472	538	621	728

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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°	147	189	229	269	317	365	412	463	524	594	690
-25°	145	187	226	266	310	356	403	450	509	575	657
-27.5°	141	184	222	261	302	346	392	439	492	553	623
-30°	136	178	217	255	296	337	380	426	473	530	595
-32.5°	129	172	210	248	288	328	366	410	457	506	564
-35°	124	164	202	238	279	317	353	393	438	484	532
-37.5°	120	156	194	228	267	305	339	376	416	461	505
-40°	115	148	184	219	253	291	325	358	395	438	480
-42.5°	110	142	175	209	241	275	311	342	377	416	457
-45°	106	135	166	198	230	261	294	327	361	396	433
-47.5°	100	128	157	186	218	249	278	310	344	377	410
-50°	93	120	147	174	204	235	265	292	323	356	389
-52.5°	86	111	136	161	189	218	249	277	304	332	363
-55°	77	101	125	148	173	200	229	257	286	311	338
-57.5°	70	89	112	135	158	181	208	236	263	289	316
-60°	63	79	99	121	143	165	188	213	239	264	288
-62.5°	55	70	86	105	126	148	169	191	215	236	257
-65°	49	61	75	91	108	127	148	169	190	207	224
-67.5°	42	52	64	77	92	108	124	142	161	178	193
-70°	36	43	53	64	76	89	103	118	133	147	162
-72.5°	30	37	43	51	61	73	85	96	108	121	133
-75°	25	30	35	42	49	58	68	78	88	98	108
-77.5°	19	23	28	33	38	45	53	61	69	77	86
-80°	14	17	21	25	29	34	39	44	50	56	63
-82.5°	9	12	15	18	20	23	26	29	33	38	42
-85°	5	7	9	11	12	13	15	16	19	21	24
-87.5°	3	3	4	5	5	6	6	6	7	8	10
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	1	1	0	0	0
62.5°	1	2	3	5	5	5	6	6	6	6	6
60°	11	11	17	20	19	15	22	25	24	20	20
57.5°	31	38	44	46	52	61	64	63	64	67	75
55°	54	60	64	73	82	91	97	102	107	113	119
52.5°	74	84	91	100	112	119	122	135	145	154	159
50°	105	115	127	139	151	161	170	182	197	212	221
47.5°	137	151	166	184	197	207	218	235	255	273	284
45°	168	184	202	219	234	248	265	286	306	324	338
42.5°	195	213	233	252	265	287	311	332	357	380	397
40°	227	244	273	293	311	334	369	400	429	457	475
37.5°	265	294	325	350	373	402	451	498	535	573	600
35°	310	345	384	411	446	500	560	625	691	744	791
32.5°	353	392	431	474	528	604	680	785	882	981	1075
30°	392	435	483	538	625	732	855	1015	1189	1363	1561
27.5°	433	481	538	626	756	902	1129	1382	1742	2032	2499
25°	477	531	608	749	930	1186	1582	2033	2779	3415	4133
22.5°	531	614	724	900	1202	1662	2278	3261	4406	5469	6483
20°	597	710	897	1177	1611	2318	3487	4978	6570	8125	9630
17.5°	685	863	1131	1530	2144	3632	5371	7501	10227	12275	14216
15°	765	990	1395	2041	3197	5112	7542	10804	14474	17559	21050
12.5°	859	1132	1620	2457	4109	6640	9739	13628	17972	22656	28124
10°	941	1277	1905	3058	5061	8007	11480	16045	21624	28251	35162
7.5°	1005	1398	2143	3508	5863	9128	13271	18823	25888	33635	41516
5°	1054	1492	2330	3860	6545	10038	14578	21021	29074	37966	45802
2.5°	1093	1558	2454	4077	7006	10660	15471	22189	31024	40793	49021
0°	1123	1598	2523	4231	7220	10954	15885	22661	31937	42178	50640
-2.5°	1133	1619	2526	4177	7090	10936	15788	22371	31307	41628	50297
-5°	1137	1608	2462	4067	6859	10544	15156	21272	29383	39063	47848
-7.5°	1129	1565	2333	3794	6341	9851	14273	19642	26290	34825	43905
-10°	1098	1490	2158	3424	5626	8771	12899	17435	22745	29714	37071
-12.5°	1043	1378	1917	2871	4786	7548	11204	15213	19352	23931	29983
-15°	977	1263	1720	2535	4007	6263	9223	12610	16045	19551	23243
-17.5°	927	1163	1518	2087	3077	4900	7268	9989	12776	15561	18047
-20°	864	1044	1321	1764	2482	3561	5342	7460	9542	11813	13718

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REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	807	960	1168	1446	1930	2690	3705	5195	6778	8427	9991
-25°	754	869	1034	1258	1547	1999	2669	3448	4559	5573	6735
-27.5°	709	806	917	1083	1302	1549	1961	2416	2998	3482	4257
-30°	665	743	835	941	1102	1290	1511	1787	2072	2358	2729
-32.5°	625	690	762	848	947	1088	1226	1403	1559	1730	1907
-35°	585	642	702	770	847	940	1043	1160	1264	1367	1460
-37.5°	551	599	651	705	766	831	911	994	1064	1131	1189
-40°	521	562	605	650	699	751	814	875	922	966	1002
-42.5°	495	531	564	603	643	691	740	787	819	849	873
-45°	470	501	532	563	596	638	680	716	742	764	782
-47.5°	443	471	499	528	560	593	627	654	676	696	709
-50°	417	444	470	493	522	552	581	604	623	640	650
-52.5°	391	417	443	467	491	514	537	559	579	596	603
-55°	366	392	415	438	460	482	503	522	540	557	562
-57.5°	342	368	392	411	430	450	470	488	505	521	526
-60°	314	340	361	379	398	417	434	451	468	483	489
-62.5°	281	305	324	341	358	375	390	406	421	433	440
-65°	242	262	281	298	314	328	343	357	369	379	385
-67.5°	208	223	239	254	270	284	297	309	321	329	334
-70°	175	189	203	217	231	243	255	266	276	283	289
-72.5°	145	157	170	183	195	206	216	225	234	241	246
-75°	118	128	139	150	160	169	177	185	192	198	202
-77.5°	94	102	109	117	126	133	139	145	151	156	160
-80°	69	76	82	88	94	99	103	108	113	117	121
-82.5°	47	52	56	61	66	69	71	74	76	79	82
-85°	27	30	33	36	39	41	43	45	46	48	50
-87.5°	11	12	13	15	16	16	17	17	17	18	19
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	5	4	4	4	4	4	5	6	6	6	6
60°	19	18	17	18	17	18	19	20	20	24	25
57.5°	82	88	91	93	91	88	82	75	67	64	63
55°	125	129	130	128	130	129	125	119	113	107	102
52.5°	161	162	161	159	161	162	161	159	154	145	135
50°	224	223	223	225	223	223	224	221	212	197	182
47.5°	288	291	292	291	292	291	288	284	273	255	235
45°	344	348	350	348	350	348	344	338	324	306	286
42.5°	404	407	408	410	408	407	404	397	380	357	332
40°	483	486	486	484	486	486	483	475	457	429	400
37.5°	618	627	631	643	631	627	618	600	573	535	498
35°	827	850	862	881	862	850	827	791	744	691	625
32.5°	1142	1188	1213	1237	1213	1188	1142	1075	981	882	785
30°	1698	1789	1826	1893	1826	1789	1698	1561	1363	1189	1015
27.5°	2842	3058	3143	3320	3143	3058	2842	2499	2032	1742	1382
25°	4788	5252	5508	5710	5508	5252	4788	4133	3415	2779	2033
22.5°	7506	8187	8550	8819	8550	8187	7506	6483	5469	4406	3261
20°	10994	11892	12427	12816	12427	11892	10994	9630	8125	6570	4978
17.5°	16709	18120	18945	19654	18945	18120	16709	14216	12275	10227	7501
15°	24945	27780	29984	31211	29984	27780	24945	21050	17559	14474	10804
12.5°	32957	37110	39577	40712	39577	37110	32957	28124	22656	17972	13628
10°	40880	44796	47144	47558	47144	44796	40880	35162	28251	21624	16045
7.5°	46946	51253	54372	55505	54372	51253	46946	41516	33635	25888	18823
5°	52304	57346	60647	61066	60647	57346	52304	45802	37966	29074	21021
2.5°	56245	61727	64928	66028	64928	61727	56245	49021	40793	31024	22189
0°	58151	64055	67617	69220	67617	64055	58151	50640	42178	31937	22661
-2.5°	57750	63857	67832	69924	67832	63857	57750	50297	41628	31307	22371
-5°	55554	61679	65386	67608	65386	61679	55554	47848	39063	29383	21272
-7.5°	50491	56218	60164	62215	60164	56218	50491	43905	34825	26290	19642
-10°	43966	48813	52410	54158	52410	48813	43966	37071	29714	22745	17435
-12.5°	35487	40189	43434	44670	43434	40189	35487	29983	23931	19352	15213
-15°	27190	30778	33083	33813	33083	30778	27190	23243	19551	16045	12610
-17.5°	20619	22551	23848	24197	23848	22551	20619	18047	15561	12776	9989
-20°	15448	16645	17486	17686	17486	16645	15448	13718	11813	9542	7460

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REPORT NUMBER: P627374 (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°	11256	12156	12835	12971	12835	12156	11256	9991	8427	6778	5195
-25°	7764	8517	8978	9012	8978	8517	7764	6735	5573	4559	3448
-27.5°	4868	5281	5494	5570	5494	5281	4868	4257	3482	2998	2416
-30°	3008	3198	3299	3302	3299	3198	3008	2729	2358	2072	1787
-32.5°	2042	2134	2184	2184	2184	2134	2042	1907	1730	1559	1403
-35°	1530	1577	1604	1607	1604	1577	1530	1460	1367	1264	1160
-37.5°	1230	1256	1270	1272	1270	1256	1230	1189	1131	1064	994
-40°	1029	1047	1058	1065	1058	1047	1029	1002	966	922	875
-42.5°	889	901	907	903	907	901	889	873	849	819	787
-45°	792	799	804	806	804	799	792	782	764	742	716
-47.5°	715	719	721	722	721	719	715	709	696	676	654
-50°	654	657	658	656	658	657	654	650	640	623	604
-52.5°	605	606	607	608	607	606	605	603	596	579	559
-55°	565	567	568	568	568	567	565	562	557	540	522
-57.5°	531	535	535	533	535	535	531	526	521	505	488
-60°	495	499	501	502	501	499	495	489	483	468	451
-62.5°	446	451	453	454	453	451	446	440	433	421	406
-65°	390	394	400	405	400	394	390	385	379	369	357
-67.5°	338	342	347	352	347	342	338	334	329	321	309
-70°	294	298	299	299	299	298	294	289	283	276	266
-72.5°	250	254	255	255	255	254	250	246	241	234	225
-75°	207	210	211	211	211	210	207	202	198	192	185
-77.5°	163	166	167	167	167	166	163	160	156	151	145
-80°	124	127	125	123	125	127	124	121	117	113	108
-82.5°	85	88	86	84	86	88	85	82	79	76	74
-85°	51	53	51	48	51	53	51	50	48	46	45
-87.5°	21	22	20	18	20	22	21	19	18	17	17
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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	1	0	0	0	0	0	0	0	0	0
62.5°	6	5	5	5	3	2	1	2	1	0	1
60°	22	15	19	20	17	11	11	9	4	4	4
57.5°	64	61	52	46	44	38	31	24	20	14	8
55°	97	91	82	73	64	60	54	46	39	29	22
52.5°	122	119	112	100	91	84	74	66	59	50	39
50°	170	161	151	139	127	115	105	91	79	70	60
47.5°	218	207	197	184	166	151	137	123	105	89	79
45°	265	248	234	219	202	184	168	151	132	114	96
42.5°	311	287	265	252	233	213	195	179	159	138	119
40°	369	334	311	293	273	244	227	208	186	162	143
37.5°	451	402	373	350	325	294	265	242	217	191	168
35°	560	500	446	411	384	345	310	279	251	222	193
32.5°	680	604	528	474	431	392	353	319	284	253	223
30°	855	732	625	538	483	435	392	353	316	281	251
27.5°	1129	902	756	626	538	481	433	386	345	308	275
25°	1582	1186	930	749	608	531	477	423	375	333	299
22.5°	2278	1662	1202	900	724	614	531	461	405	364	324
20°	3487	2318	1611	1177	897	710	597	512	448	396	351
17.5°	5371	3632	2144	1530	1131	863	685	571	492	429	378
15°	7542	5112	3197	2041	1395	990	765	628	537	464	404
12.5°	9739	6640	4109	2457	1620	1132	859	695	583	494	425
10°	11480	8007	5061	3058	1905	1277	941	745	614	518	444
7.5°	13271	9128	5863	3508	2143	1398	1005	785	640	539	461
5°	14578	10038	6545	3860	2330	1492	1054	818	660	555	474
2.5°	15471	10660	7006	4077	2454	1558	1093	842	680	566	483
0°	15885	10954	7220	4231	2523	1598	1123	858	696	572	489
-2.5°	15788	10936	7090	4177	2526	1619	1133	862	700	580	494
-5°	15156	10544	6859	4067	2462	1608	1137	864	701	584	496
-7.5°	14273	9851	6341	3794	2333	1565	1129	864	700	586	498
-10°	12899	8771	5626	3424	2158	1490	1098	849	692	583	498
-12.5°	11204	7548	4786	2871	1917	1378	1043	822	679	574	493
-15°	9223	6263	4007	2535	1720	1263	977	786	662	562	486
-17.5°	7268	4900	3077	2087	1518	1163	927	762	643	549	478
-20°	5342	3561	2482	1764	1321	1044	864	728	621	538	472

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REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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°	3705	2690	1930	1446	1168	960	807	690	594	524	463
-25°	2669	1999	1547	1258	1034	869	754	657	575	509	450
-27.5°	1961	1549	1302	1083	917	806	709	623	553	492	439
-30°	1511	1290	1102	941	835	743	665	595	530	473	426
-32.5°	1226	1088	947	848	762	690	625	564	506	457	410
-35°	1043	940	847	770	702	642	585	532	484	438	393
-37.5°	911	831	766	705	651	599	551	505	461	416	376
-40°	814	751	699	650	605	562	521	480	438	395	358
-42.5°	740	691	643	603	564	531	495	457	416	377	342
-45°	680	638	596	563	532	501	470	433	396	361	327
-47.5°	627	593	560	528	499	471	443	410	377	344	310
-50°	581	552	522	493	470	444	417	389	356	323	292
-52.5°	537	514	491	467	443	417	391	363	332	304	277
-55°	503	482	460	438	415	392	366	338	311	286	257
-57.5°	470	450	430	411	392	368	342	316	289	263	236
-60°	434	417	398	379	361	340	314	288	264	239	213
-62.5°	390	375	358	341	324	305	281	257	236	215	191
-65°	343	328	314	298	281	262	242	224	207	190	169
-67.5°	297	284	270	254	239	223	208	193	178	161	142
-70°	255	243	231	217	203	189	175	162	147	133	118
-72.5°	216	206	195	183	170	157	145	133	121	108	96
-75°	177	169	160	150	139	128	118	108	98	88	78
-77.5°	139	133	126	117	109	102	94	86	77	69	61
-80°	103	99	94	88	82	76	69	63	56	50	44
-82.5°	71	69	66	61	56	52	47	42	38	33	29
-85°	43	41	39	36	33	30	27	24	21	19	16
-87.5°	17	16	16	15	13	12	11	10	8	7	6
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°
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°	3	2	1	1	1	0	0	1	1	0	0
57.5°	7	5	3	2	2	1	1	2	2	1	0
55°	14	10	6	4	3	3	1	2	3	2	0
52.5°	28	19	13	7	4	4	3	2	3	3	1
50°	46	32	22	14	6	5	4	3	3	4	2
47.5°	67	49	34	23	13	7	6	4	4	4	3
45°	85	69	49	33	21	13	8	4	4	4	4
42.5°	103	88	68	44	31	20	12	7	4	4	4
40°	124	105	86	62	42	26	17	11	4	5	4
37.5°	146	125	103	79	54	36	23	14	6	5	4
35°	169	145	119	94	68	47	28	19	11	7	4
32.5°	191	164	136	109	81	57	35	24	15	8	4
30°	216	182	152	123	94	68	45	29	19	10	5
27.5°	240	199	166	137	106	78	55	35	22	12	6
25°	263	219	182	149	118	89	64	41	27	16	8
22.5°	284	240	196	160	132	99	73	49	31	19	9
20°	306	259	211	175	144	111	82	57	36	21	11
17.5°	327	278	230	191	157	122	90	63	41	24	13
15°	349	297	248	206	169	132	98	70	46	27	15
12.5°	368	314	264	220	180	141	105	75	51	29	17
10°	384	330	278	233	191	149	112	80	56	32	19
7.5°	399	343	290	244	202	156	118	85	60	34	21
5°	410	354	299	252	209	164	124	90	64	36	23
2.5°	418	361	307	259	215	170	128	94	67	38	25
0°	423	365	313	264	220	176	132	97	70	40	26
-2.5°	428	370	319	270	225	182	136	100	73	43	27
-5°	430	373	323	274	229	186	140	102	75	47	27
-7.5°	432	376	326	277	232	190	142	104	77	50	28
-10°	433	378	329	279	234	191	143	105	78	52	28
-12.5°	431	379	330	280	235	192	146	107	79	54	28
-15°	427	378	329	280	235	192	148	109	80	54	28
-17.5°	423	376	326	278	234	192	149	110	81	53	29
-20°	418	372	322	274	232	191	148	110	80	53	31

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REPORT NUMBER: P627374 (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°	412	365	317	269	229	189	147	109	79	52	32
-25°	403	356	310	266	226	187	145	106	78	50	32
-27.5°	392	346	302	261	222	184	141	103	75	49	33
-30°	380	337	296	255	217	178	136	100	73	48	33
-32.5°	366	328	288	248	210	172	129	96	70	48	33
-35°	353	317	279	238	202	164	124	91	67	47	32
-37.5°	339	305	267	228	194	156	120	89	65	46	31
-40°	325	291	253	219	184	148	115	87	63	45	30
-42.5°	311	275	241	209	175	142	110	83	61	43	29
-45°	294	261	230	198	166	135	106	79	58	42	28
-47.5°	278	249	218	186	157	128	100	75	54	40	27
-50°	265	235	204	174	147	120	93	70	52	38	25
-52.5°	249	218	189	161	136	111	86	64	48	35	23
-55°	229	200	173	148	125	101	77	59	45	32	21
-57.5°	208	181	158	135	112	89	70	54	41	29	19
-60°	188	165	143	121	99	79	63	49	37	26	18
-62.5°	169	148	126	105	86	70	55	43	32	23	16
-65°	148	127	108	91	75	61	49	38	29	21	14
-67.5°	124	108	92	77	64	52	42	33	25	18	13
-70°	103	89	76	64	53	43	36	29	22	16	12
-72.5°	85	73	61	51	43	37	30	24	18	14	10
-75°	68	58	49	42	35	30	25	19	15	11	9
-77.5°	53	45	38	33	28	23	19	14	11	9	7
-80°	39	34	29	25	21	17	14	10	8	7	5
-82.5°	26	23	20	18	15	12	9	7	6	5	4
-85°	15	13	12	11	9	7	5	4	3	3	3
-87.5°	6	6	5	5	4	3	3	2	2	2	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: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	2	1	0	0	0	0	0
45°	2	1	0	0	0	0	0
42.5°	3	2	0	0	0	0	0
40°	4	2	0	0	0	0	0
37.5°	4	3	1	0	0	0	0
35°	4	3	1	0	0	0	0
32.5°	4	4	2	0	0	0	0
30°	4	4	2	0	0	0	0
27.5°	4	4	2	0	0	0	0
25°	4	4	3	0	0	0	0
22.5°	4	4	3	0	0	0	0
20°	4	4	3	0	0	0	0
17.5°	5	4	4	0	0	0	0
15°	5	4	4	0	0	0	0
12.5°	6	4	4	0	0	0	0
10°	6	4	4	0	0	0	0
7.5°	7	4	4	0	0	0	0
5°	8	4	4	0	0	0	0
2.5°	8	4	4	0	0	0	0
0°	9	4	4	0	0	0	0
-2.5°	11	5	4	0	0	0	0
-5°	12	5	4	1	0	0	0
-7.5°	14	6	4	1	0	0	0
-10°	15	6	4	1	0	0	0
-12.5°	16	7	4	1	0	0	0
-15°	17	7	4	2	0	0	0
-17.5°	17	7	4	2	0	0	0
-20°	18	7	4	2	0	0	0

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Scaled Data Report



REPORT NUMBER: P627374 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18	7	4	2	0	0	0
-25°	18	7	4	2	0	0	0
-27.5°	18	8	4	2	0	0	0
-30°	18	9	4	2	0	0	0
-32.5°	18	9	5	2	0	0	0
-35°	18	9	5	2	0	0	0
-37.5°	18	9	6	2	0	0	0
-40°	18	9	6	1	0	0	0
-42.5°	17	10	6	1	0	0	0
-45°	17	10	5	1	0	0	0
-47.5°	16	10	5	1	0	0	0
-50°	15	9	5	1	0	0	0
-52.5°	14	9	4	1	0	0	0
-55°	14	8	4	1	0	0	0
-57.5°	13	8	4	1	0	0	0
-60°	11	7	3	1	0	0	0
-62.5°	11	7	3	1	0	0	0
-65°	10	6	3	1	0	0	0
-67.5°	9	5	3	1	0	0	0
-70°	8	5	3	1	0	0	0
-72.5°	7	5	2	1	0	0	0
-75°	6	4	2	1	0	0	0
-77.5°	5	3	2	1	0	0	0
-80°	4	3	1	1	0	0	0
-82.5°	3	2	1	0	0	0	0
-85°	2	1	1	0	0	0	0
-87.5°	1	1	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)