

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: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4C-730-U-MWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

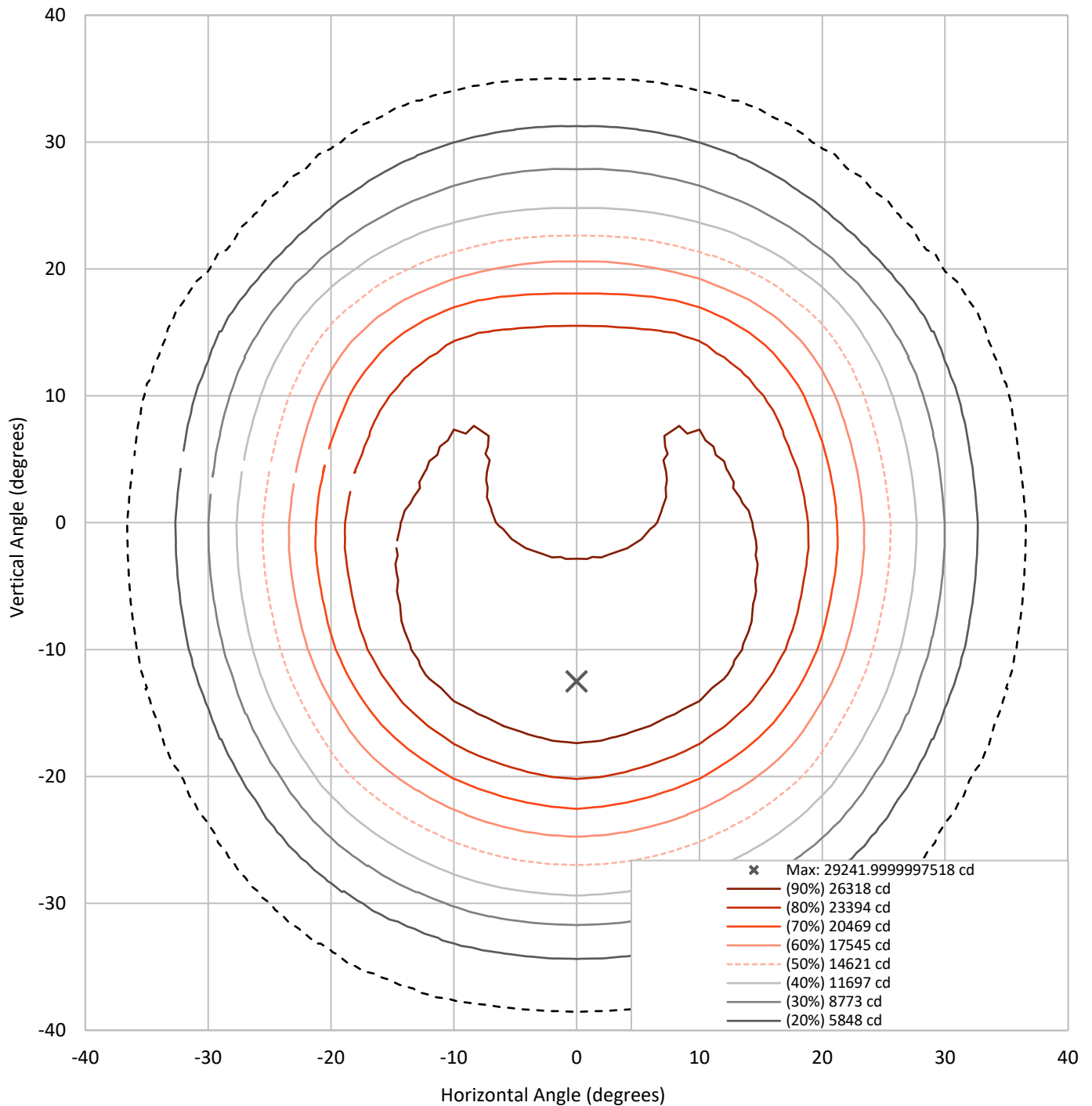
Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	20872.4 lumens	Max Intensity:	29242 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	124.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	13980.3 lumens	Field Lumens:	18813.3 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%
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		



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### Iso-Candela Plot





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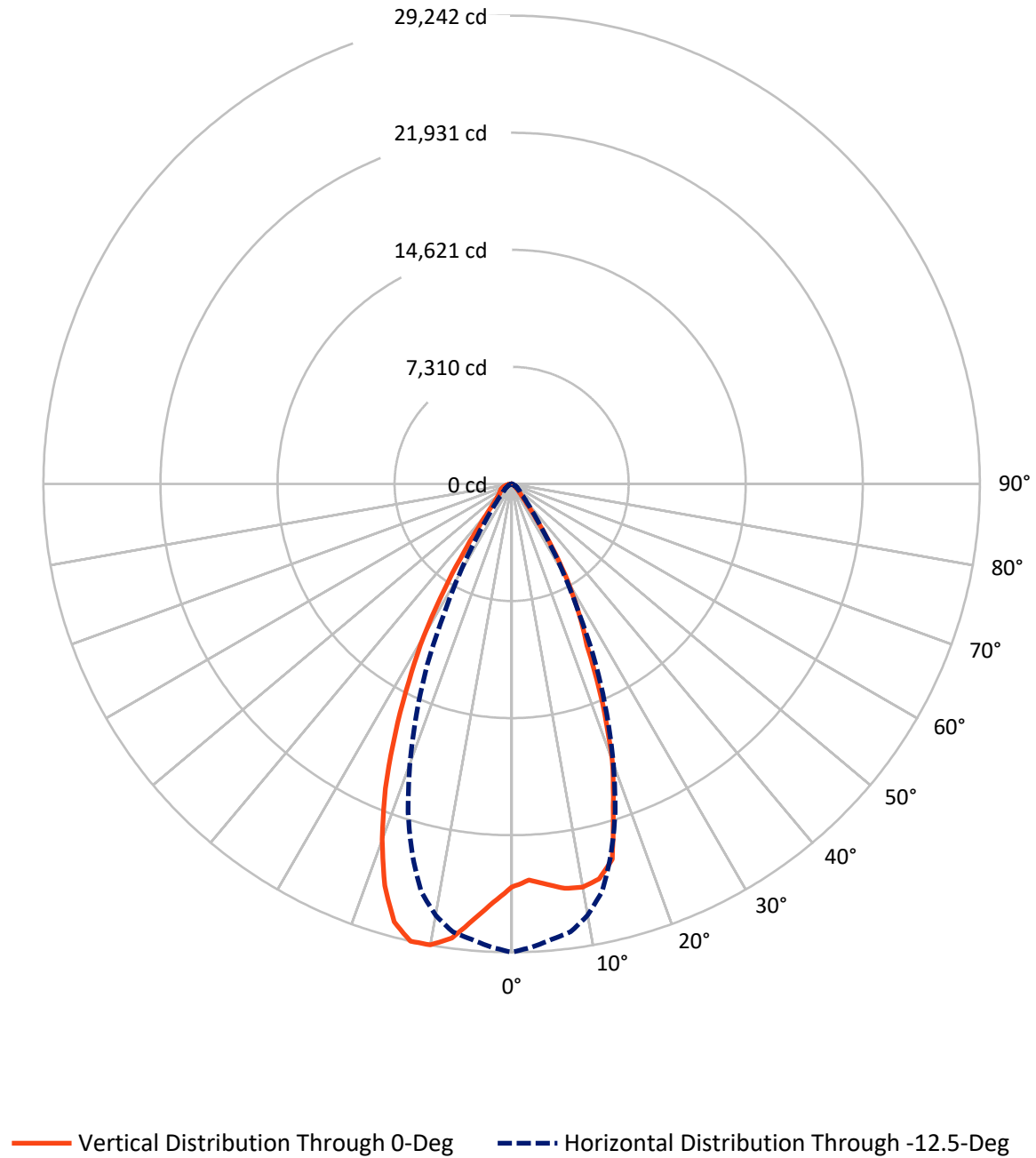
CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

### 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	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0									
50		0.1	0.1	0.7	1.7	2.9	4.0	4.6	4.6	4.0	2.9	1.7	0.7	0.1		0.1								
40	0.1	0.1	0.8	2.9	5.9	9.6	14.3	17.6	17.6	14.3	9.6	5.9	2.9	0.8	0.1	0.1								
30		0.4	2.3	6.0	12.5	27.1	61.6	94.1	94.1	61.6	27.1	12.5	6.0	2.3	0.4									
20	0.2	0.8	3.9	9.7	26.2	97.0	249.8	349.2	349.2	249.8	97.0	26.2	9.7	3.9	0.8	0.2								
10		1.4	5.4	15.1	62.3	269.4	562.1	696.0	696.0	562.1	269.4	62.3	15.1	5.4	1.4									
0	0.4	1.8	6.7	19.4	99.3	396.8	724.7	785.7	785.7	724.7	396.8	99.3	19.4	6.7	1.8	0.4								
-10		2.1	7.4	20.8	103.8	409.8	750.8	833.9	833.9	750.8	409.8	103.8	20.8	7.4	2.1									
-20	0.6	2.3	7.5	18.9	74.3	305.1	633.4	808.8	808.8	633.4	305.1	74.3	18.9	7.5	2.3	0.6								
-30		2.2	7.2	15.7	41.5	148.0	352.9	496.7	496.7	352.9	148.0	41.5	15.7	7.2	2.2									
-40	0.5	1.9	6.4	13.1	24.8	52.7	110.3	163.6	163.6	110.3	52.7	24.8	13.1	6.4	1.9	0.5								
-50		1.6	5.4	10.9	18.1	26.7	37.6	44.6	44.6	37.6	26.7	18.1	10.9	5.4	1.6									
-60	0.4	1.2	4.0	8.6	14.2	19.7	24.6	26.9	26.9	24.6	19.7	14.2	8.6	4.0	1.2	0.4								
-70		0.8	2.6	5.8	10.0	14.1	17.9	19.9	19.9	17.9	14.1	10.0	5.8	2.6	0.8									
-80	0.2	2.3	10.5	22.4	28.7	22.4	10.5	2.3	0.2															
-90																								
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90					

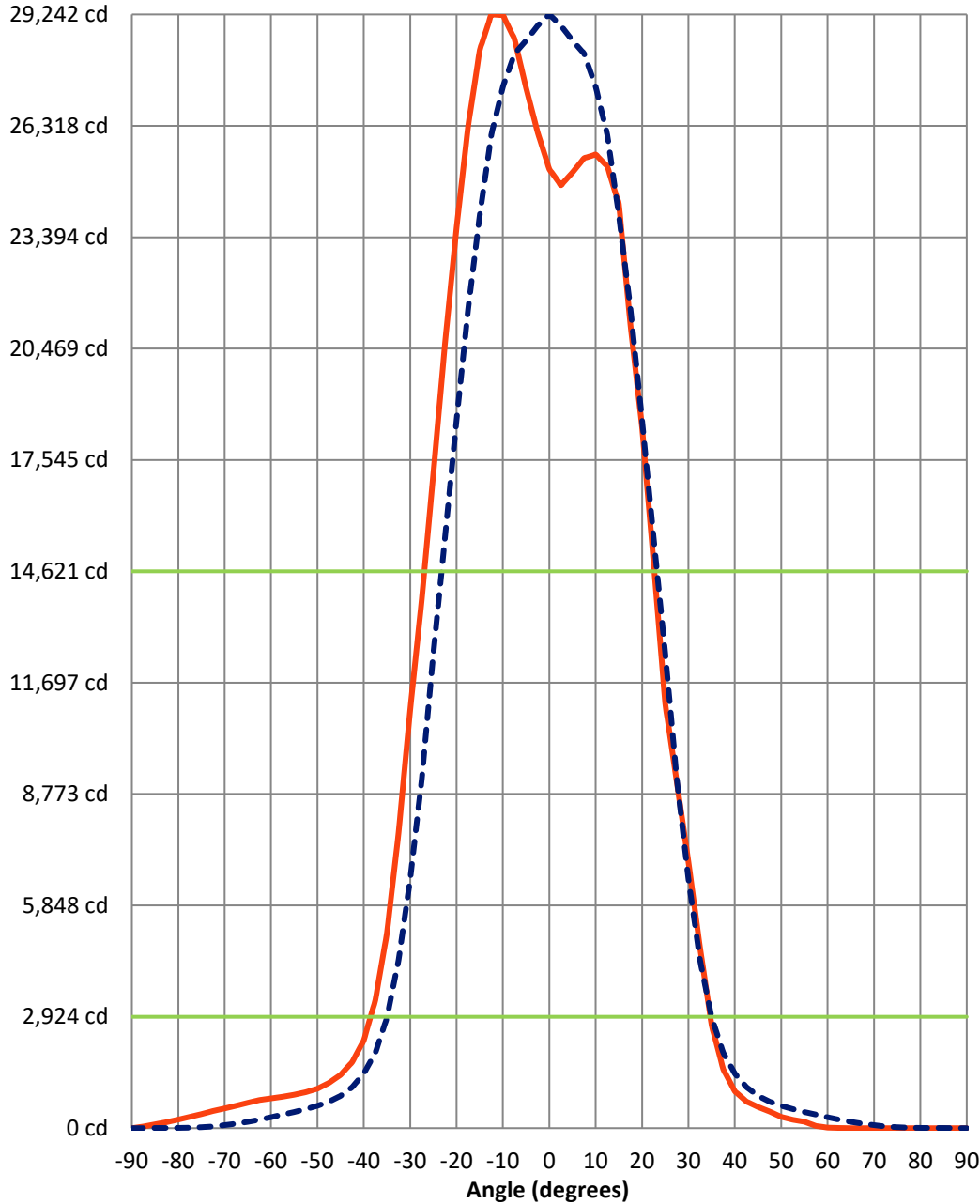
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 13980.3  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 18813.3  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2059.1  
 Efficiency: 9.9%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -12.5-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	1	1	0	0	0	0	0
70°	0	0	0	0	1	1	0	0	0	0	0
67.5°	0	0	0	1	1	1	1	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	2	1
62.5°	0	0	0	2	2	2	1	1	2	2	3
60°	0	0	0	2	3	2	1	2	3	3	4
57.5°	0	0	0	3	3	2	2	3	4	4	5
55°	0	0	1	3	3	2	3	5	4	5	5
52.5°	0	0	1	4	3	2	4	5	5	5	5
50°	0	0	1	4	4	3	4	5	5	5	6
47.5°	0	0	2	5	4	3	5	5	5	5	7
45°	0	0	2	5	4	4	5	6	5	6	8
42.5°	0	0	2	5	4	4	6	6	5	7	10
40°	0	0	3	5	4	5	6	7	6	9	11
37.5°	0	0	3	5	4	5	7	7	8	11	13
35°	0	0	3	5	5	5	7	7	10	14	18
32.5°	0	0	3	5	5	6	8	7	11	17	29
30°	0	0	4	5	5	6	8	8	13	21	38
27.5°	0	0	4	5	5	7	9	10	16	26	47
25°	0	0	4	5	5	7	9	11	19	32	56
22.5°	0	0	4	5	5	8	9	13	23	39	66
20°	0	0	4	5	5	8	9	14	27	46	76
17.5°	0	0	4	5	5	8	10	16	31	52	86
15°	0	0	4	5	5	9	10	18	36	57	97
12.5°	0	0	5	5	5	9	11	21	40	61	107
10°	0	0	5	5	5	9	12	25	43	69	117
7.5°	0	0	5	5	5	9	12	28	46	77	124
5°	0	0	5	5	5	10	13	32	49	85	130
2.5°	0	0	5	5	5	10	14	35	51	93	135
0°	0	0	5	5	5	10	14	38	53	101	139
-2.5°	0	0	5	5	5	10	17	40	60	105	146
-5°	0	0	5	5	6	11	19	41	66	109	153
-7.5°	0	0	5	5	6	11	22	42	71	112	158
-10°	0	0	5	5	6	11	23	42	76	115	162
-12.5°	0	1	5	5	7	12	25	43	79	118	166
-15°	0	1	5	5	7	12	26	44	80	119	167
-17.5°	0	1	4	5	7	12	27	45	80	119	167
-20°	0	1	4	5	7	12	27	47	79	119	165

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CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	1	4	5	7	12	28	48	78	117	161
-25°	0	1	4	5	7	13	27	49	76	115	155
-27.5°	0	1	4	5	7	14	27	48	74	111	151
-30°	0	1	4	5	7	15	27	48	73	108	147
-32.5°	0	1	4	5	7	15	26	47	72	105	141
-35°	0	1	4	5	8	16	26	46	70	102	134
-37.5°	0	1	4	5	8	16	26	44	67	98	132
-40°	0	1	4	5	8	16	26	42	63	94	129
-42.5°	0	1	4	5	8	16	26	40	60	89	125
-45°	0	1	4	5	8	16	26	39	57	84	119
-47.5°	0	1	4	5	9	16	25	38	55	77	112
-50°	0	1	4	6	9	15	24	36	52	74	103
-52.5°	0	1	4	6	9	15	23	34	50	70	94
-55°	0	1	4	6	9	14	22	32	47	66	89
-57.5°	0	1	4	6	9	14	21	31	44	62	82
-60°	0	1	4	6	8	13	20	29	41	57	76
-62.5°	0	1	4	6	8	12	19	27	38	52	69
-65°	0	1	4	6	8	12	17	25	35	47	63
-67.5°	0	1	3	6	8	11	16	23	31	42	55
-70°	0	1	3	6	8	10	14	20	27	36	48
-72.5°	0	1	3	5	7	10	13	17	23	31	40
-75°	0	1	2	5	7	9	12	15	19	25	33
-77.5°	0	1	2	4	6	9	11	13	17	20	25
-80°	0	0	2	3	5	7	10	12	14	17	21
-82.5°	0	0	1	2	4	5	7	10	12	14	17
-85°	0	0	1	2	2	4	5	6	8	10	12
-87.5°	0	0	0	1	1	2	2	3	4	5	6
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	1	2	1	0	0	0	0	0	0	0
65°	2	3	2	1	0	1	2	1	0	0	0
62.5°	4	4	3	2	3	4	3	2	0	1	2
60°	5	4	3	4	5	4	3	3	4	5	11
57.5°	5	4	4	5	5	5	6	7	17	29	32
55°	5	5	5	6	7	8	13	27	40	49	53
52.5°	5	5	7	9	11	18	33	49	62	71	84
50°	6	8	10	13	21	37	56	73	90	105	123
47.5°	8	10	14	21	39	60	82	104	124	145	171
45°	10	16	21	37	59	86	113	138	158	183	207
42.5°	12	23	35	53	84	116	147	167	190	217	248
40°	20	33	50	77	111	149	176	198	222	260	298
37.5°	29	46	67	102	142	179	206	232	267	311	356
35°	40	59	89	128	173	207	237	270	318	368	422
32.5°	51	71	111	155	198	234	267	317	367	422	496
30°	62	89	132	181	221	259	305	360	410	478	564
27.5°	73	108	154	202	242	282	344	397	454	531	635
25°	85	127	175	221	263	313	381	437	496	595	734
22.5°	100	145	195	239	282	346	419	489	565	664	835
20°	116	163	213	260	302	377	459	545	649	786	1010
17.5°	131	179	231	281	334	411	502	604	733	904	1233
15°	144	193	248	303	364	446	545	670	827	1039	1449
12.5°	156	206	264	323	391	477	583	720	904	1210	1725
10°	167	217	280	344	414	504	617	761	967	1332	1931
7.5°	176	229	294	363	435	528	645	795	1023	1428	2092
5°	184	243	307	377	450	548	668	821	1070	1498	2216
2.5°	191	257	318	388	461	563	687	845	1115	1556	2321
0°	197	268	326	398	470	575	700	863	1151	1597	2402
-2.5°	203	275	337	405	483	584	706	876	1162	1602	2386
-5°	209	279	347	411	494	589	708	881	1161	1590	2336
-7.5°	213	282	354	416	500	591	709	878	1149	1563	2257
-10°	217	284	356	421	501	591	705	867	1121	1511	2137
-12.5°	222	287	357	424	501	587	696	848	1078	1434	1982
-15°	225	289	356	423	498	581	681	821	1021	1331	1791
-17.5°	226	289	355	419	494	572	661	788	968	1241	1654
-20°	226	288	352	412	488	562	647	763	924	1154	1487

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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°	224	286	349	407	479	552	631	733	868	1056	1325
-25°	219	283	345	403	468	540	611	700	817	984	1208
-27.5°	211	277	338	397	457	526	593	674	776	905	1084
-30°	201	269	329	388	447	511	576	644	734	846	990
-32.5°	190	260	319	376	435	497	557	621	698	791	903
-35°	183	248	308	363	421	480	538	597	661	743	840
-37.5°	179	237	297	349	404	462	518	574	632	698	785
-40°	173	225	284	336	386	442	496	549	604	669	736
-42.5°	166	216	271	324	371	422	474	525	580	640	702
-45°	159	206	258	307	355	403	453	501	554	611	669
-47.5°	150	194	244	287	334	383	431	478	525	578	634
-50°	139	181	226	268	310	358	406	454	500	545	594
-52.5°	128	165	208	250	288	328	377	426	472	517	560
-55°	116	151	189	230	268	303	346	395	441	484	529
-57.5°	106	135	171	209	247	284	323	365	409	452	495
-60°	97	122	152	187	225	261	299	338	378	419	458
-62.5°	88	109	134	164	199	235	270	307	345	380	415
-65°	80	97	117	142	170	203	237	272	307	338	367
-67.5°	70	86	102	121	145	172	200	232	264	294	322
-70°	61	74	88	104	122	144	170	195	221	247	275
-72.5°	51	62	75	87	103	122	142	162	185	208	231
-75°	41	51	61	72	85	101	117	135	153	171	190
-77.5°	33	41	49	58	68	80	93	107	121	136	150
-80°	25	31	37	45	52	61	70	79	90	102	114
-82.5°	20	24	28	33	38	43	50	56	65	73	82
-85°	14	17	19	22	25	28	32	36	41	46	52
-87.5°	7	8	10	11	12	14	15	17	19	22	25
-90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	2	2	1	1	2	3	3	3	4
60°	13	9	12	16	15	11	17	19	18	14	15
57.5°	34	36	41	49	54	57	61	66	70	72	74
55°	62	74	87	93	103	119	133	134	136	140	148
52.5°	99	113	120	131	151	164	171	182	194	205	216
50°	143	155	170	188	208	220	224	244	268	287	299
47.5°	188	204	231	263	280	294	314	339	366	394	416
45°	230	259	293	321	344	368	395	426	468	507	537
42.5°	277	310	344	378	402	443	490	527	587	639	672
40°	333	365	414	455	505	557	638	713	789	876	940
37.5°	399	450	518	584	659	736	881	1029	1150	1319	1414
35°	479	557	654	752	872	1058	1269	1555	1852	2100	2338
32.5°	572	672	805	981	1182	1480	1797	2324	2837	3350	3853
30°	663	807	1011	1254	1584	2055	2654	3468	4349	5121	5820
27.5°	784	989	1254	1616	2179	2869	3974	5104	6227	7229	7949
25°	930	1206	1580	2179	2992	4137	5618	7003	8321	9303	10131
22.5°	1142	1555	2086	2849	4324	5917	7689	9432	10912	12150	12966
20°	1404	1962	2851	4234	5969	7961	10241	12074	13897	15290	16535
17.5°	1774	2663	3918	5675	7748	10405	12753	14797	17112	18536	19805
15°	2107	3250	5040	7280	9710	12526	15294	17799	20033	21598	23017
12.5°	2529	3874	5931	8567	11224	14359	17237	19919	22107	23717	24710
10°	2906	4514	6822	9579	12553	15828	18811	21602	23721	24966	25696
7.5°	3211	5045	7543	10444	13585	16881	20032	22802	24830	25871	26370
5°	3447	5440	8108	11154	14416	17788	21004	23716	25424	26285	26563
2.5°	3625	5714	8488	11621	14977	18459	21742	24414	25871	26493	26585
0°	3744	5907	8736	11914	15458	18699	22141	24855	26241	26739	26787
-2.5°	3716	5837	8725	11808	15402	18807	22205	24883	26366	27036	27145
-5°	3641	5673	8435	11506	14964	18374	21615	24443	26262	27274	27722
-7.5°	3495	5389	7941	10929	14255	17667	20972	23906	26000	27424	28301
-10°	3246	4974	7308	10198	13476	16728	19995	23040	25295	27009	28231
-12.5°	2907	4412	6536	9163	12458	15495	18588	21506	23967	26080	27343
-15°	2557	3826	5734	8138	11007	13997	16855	19717	22147	24124	25698
-17.5°	2307	3313	4805	6909	9428	12265	15053	17683	19875	21733	23384
-20°	1992	2739	3920	5689	7907	10386	13058	15398	17356	19098	20676

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1741	2345	3199	4406	6398	8585	10770	12925	14765	16317	17663
-25°	1513	1937	2604	3586	4881	6770	8611	10430	12130	13572	14784
-27.5°	1333	1671	2116	2814	3797	4900	6513	8034	9495	10813	11957
-30°	1170	1423	1771	2208	2877	3696	4666	5803	6968	8009	9048
-32.5°	1053	1234	1473	1797	2171	2758	3344	4109	4847	5606	6351
-35°	948	1093	1256	1473	1730	2072	2458	2926	3320	3817	4275
-37.5°	876	978	1103	1239	1423	1614	1876	2160	2404	2681	2914
-40°	817	897	981	1073	1199	1328	1497	1657	1812	1981	2106
-42.5°	766	831	891	963	1037	1141	1254	1354	1448	1547	1629
-45°	727	775	824	879	936	1011	1091	1166	1227	1282	1327
-47.5°	685	728	771	814	862	917	969	1017	1068	1111	1142
-50°	643	686	725	762	804	846	888	926	962	994	1014
-52.5°	603	647	685	719	755	790	824	858	890	918	931
-55°	572	612	651	682	712	741	772	804	834	861	870
-57.5°	538	579	617	645	672	699	728	757	786	811	820
-60°	499	542	575	602	630	659	686	713	739	761	770
-62.5°	452	491	522	548	573	597	626	655	682	704	718
-65°	397	431	460	487	511	534	562	588	613	632	646
-67.5°	349	375	400	423	447	471	496	520	544	561	573
-70°	301	326	348	370	391	412	433	454	474	489	500
-72.5°	254	276	295	315	334	353	370	388	405	418	429
-75°	210	228	245	262	278	293	306	320	333	345	354
-77.5°	166	180	195	209	223	235	245	256	266	275	284
-80°	127	138	148	159	169	178	186	194	202	209	216
-82.5°	91	98	105	112	119	125	131	137	143	148	153
-85°	58	62	66	70	73	77	81	84	88	91	94
-87.5°	28	29	31	33	35	37	38	40	42	43	45
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	4	5	5	5	5	5	4	4	3	3	3
60°	15	14	14	14	14	14	15	15	14	18	19
57.5°	72	67	63	58	63	67	72	74	72	70	66
55°	157	165	169	168	169	165	157	148	140	136	134
52.5°	223	227	226	221	226	227	223	216	205	194	182
50°	304	305	302	297	302	305	304	299	287	268	244
47.5°	427	434	437	436	437	434	427	416	394	366	339
45°	548	554	557	556	557	554	548	537	507	468	426
42.5°	690	700	704	700	704	700	690	672	639	587	527
40°	977	989	984	969	984	989	977	940	876	789	713
37.5°	1480	1528	1548	1549	1548	1528	1480	1414	1319	1150	1029
35°	2553	2724	2802	2704	2802	2724	2553	2338	2100	1852	1555
32.5°	4264	4566	4737	4737	4737	4566	4264	3853	3350	2837	2324
30°	6348	6727	6940	6986	6940	6727	6348	5820	5121	4349	3468
27.5°	8510	8902	9106	9076	9106	8902	8510	7949	7229	6227	5104
25°	10680	10976	11147	11152	11147	10976	10680	10131	9303	8321	7003
22.5°	13884	14508	14766	14834	14766	14508	13884	12966	12150	10912	9432
20°	17377	17983	18373	18397	18373	17983	17377	16535	15290	13897	12074
17.5°	20706	21006	21061	21086	21061	21006	20706	19805	18536	17112	14797
15°	23843	23948	24226	24260	24226	23948	23843	23017	21598	20033	17799
12.5°	25333	25429	25382	25253	25382	25429	25333	24710	23717	22107	19919
10°	26145	26009	25807	25565	25807	26009	26145	25696	24966	23721	21602
7.5°	26329	26178	25822	25469	25822	26178	26329	26370	25871	24830	22802
5°	26416	25974	25524	25095	25524	25974	26416	26563	26285	25424	23716
2.5°	26365	25838	25220	24759	25220	25838	26365	26585	26493	25871	24414
0°	26533	26001	25354	25181	25354	26001	26533	26787	26739	26241	24855
-2.5°	27001	26570	26232	26140	26232	26570	27001	27145	27036	26366	24883
-5°	27844	27749	27175	27310	27175	27749	27844	27722	27274	26262	24443
-7.5°	28658	28523	28280	28595	28280	28523	28658	28301	27424	26000	23906
-10°	28875	28830	28944	29223	28944	28830	28875	28231	27009	25295	23040
-12.5°	28211	28559	28948	29242	28948	28559	28211	27343	26080	23967	21506
-15°	26732	27443	28025	28302	28025	27443	26732	25698	24124	22147	19717
-17.5°	24553	25425	26116	26313	26116	25425	24553	23384	21733	19875	17683
-20°	21871	22758	23386	23637	23386	22758	21871	20676	19098	17356	15398



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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°	18852	19718	20288	20588	20288	19718	18852	17663	16317	14765	12925
-25°	15789	16550	17055	17189	17055	16550	15789	14784	13572	12130	10430
-27.5°	12859	13471	13844	13885	13844	13471	12859	11957	10813	9495	8034
-30°	9912	10481	10803	10975	10803	10481	9912	9048	8009	6968	5803
-32.5°	6961	7412	7686	7758	7686	7412	6961	6351	5606	4847	4109
-35°	4641	4922	5095	5130	5095	4922	4641	4275	3817	3320	2926
-37.5°	3103	3240	3324	3366	3324	3240	3103	2914	2681	2404	2160
-40°	2199	2263	2299	2306	2299	2263	2199	2106	1981	1812	1657
-42.5°	1682	1714	1731	1736	1731	1714	1682	1629	1547	1448	1354
-45°	1359	1382	1395	1400	1395	1382	1359	1327	1282	1227	1166
-47.5°	1162	1177	1186	1189	1186	1177	1162	1142	1111	1068	1017
-50°	1025	1034	1037	1036	1037	1034	1025	1014	994	962	926
-52.5°	939	945	946	945	946	945	939	931	918	890	858
-55°	875	879	880	877	880	879	875	870	861	834	804
-57.5°	826	831	830	825	830	831	826	820	811	786	757
-60°	778	783	784	782	784	783	778	770	761	739	713
-62.5°	729	739	740	738	740	739	729	718	704	682	655
-65°	659	671	671	666	671	671	659	646	632	613	588
-67.5°	583	591	592	590	592	591	583	573	561	544	520
-70°	510	520	520	518	520	520	510	500	489	474	454
-72.5°	439	448	450	451	450	448	439	429	418	405	388
-75°	364	372	371	369	371	372	364	354	345	333	320
-77.5°	293	300	299	297	299	300	293	284	275	266	256
-80°	223	229	227	225	227	229	223	216	209	202	194
-82.5°	158	162	160	158	160	162	158	153	148	143	137
-85°	97	100	101	101	101	100	97	94	91	88	84
-87.5°	46	48	46	43	46	48	46	45	43	42	40
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	1
62.5°	2	1	1	2	2	1	1	2	1	0	2
60°	17	11	15	16	12	9	13	11	5	4	3
57.5°	61	57	54	49	41	36	34	32	29	17	7
55°	133	119	103	93	87	74	62	53	49	40	27
52.5°	171	164	151	131	120	113	99	84	71	62	49
50°	224	220	208	188	170	155	143	123	105	90	73
47.5°	314	294	280	263	231	204	188	171	145	124	104
45°	395	368	344	321	293	259	230	207	183	158	138
42.5°	490	443	402	378	344	310	277	248	217	190	167
40°	638	557	505	455	414	365	333	298	260	222	198
37.5°	881	736	659	584	518	450	399	356	311	267	232
35°	1269	1058	872	752	654	557	479	422	368	318	270
32.5°	1797	1480	1182	981	805	672	572	496	422	367	317
30°	2654	2055	1584	1254	1011	807	663	564	478	410	360
27.5°	3974	2869	2179	1616	1254	989	784	635	531	454	397
25°	5618	4137	2992	2179	1580	1206	930	734	595	496	437
22.5°	7689	5917	4324	2849	2086	1555	1142	835	664	565	489
20°	10241	7961	5969	4234	2851	1962	1404	1010	786	649	545
17.5°	12753	10405	7748	5675	3918	2663	1774	1233	904	733	604
15°	15294	12526	9710	7280	5040	3250	2107	1449	1039	827	670
12.5°	17237	14359	11224	8567	5931	3874	2529	1725	1210	904	720
10°	18811	15828	12553	9579	6822	4514	2906	1931	1332	967	761
7.5°	20032	16881	13585	10444	7543	5045	3211	2092	1428	1023	795
5°	21004	17788	14416	11154	8108	5440	3447	2216	1498	1070	821
2.5°	21742	18459	14977	11621	8488	5714	3625	2321	1556	1115	845
0°	22141	18699	15458	11914	8736	5907	3744	2402	1597	1151	863
-2.5°	22205	18807	15402	11808	8725	5837	3716	2386	1602	1162	876
-5°	21615	18374	14964	11506	8435	5673	3641	2336	1590	1161	881
-7.5°	20972	17667	14255	10929	7941	5389	3495	2257	1563	1149	878
-10°	19995	16728	13476	10198	7308	4974	3246	2137	1511	1121	867
-12.5°	18588	15495	12458	9163	6536	4412	2907	1982	1434	1078	848
-15°	16855	13997	11007	8138	5734	3826	2557	1791	1331	1021	821
-17.5°	15053	12265	9428	6909	4805	3313	2307	1654	1241	968	788
-20°	13058	10386	7907	5689	3920	2739	1992	1487	1154	924	763

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Cooper Lighting Solutions Photometric Lab  
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REPORT NUMBER: P627386 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10770	8585	6398	4406	3199	2345	1741	1325	1056	868	733
-25°	8611	6770	4881	3586	2604	1937	1513	1208	984	817	700
-27.5°	6513	4900	3797	2814	2116	1671	1333	1084	905	776	674
-30°	4666	3696	2877	2208	1771	1423	1170	990	846	734	644
-32.5°	3344	2758	2171	1797	1473	1234	1053	903	791	698	621
-35°	2458	2072	1730	1473	1256	1093	948	840	743	661	597
-37.5°	1876	1614	1423	1239	1103	978	876	785	698	632	574
-40°	1497	1328	1199	1073	981	897	817	736	669	604	549
-42.5°	1254	1141	1037	963	891	831	766	702	640	580	525
-45°	1091	1011	936	879	824	775	727	669	611	554	501
-47.5°	969	917	862	814	771	728	685	634	578	525	478
-50°	888	846	804	762	725	686	643	594	545	500	454
-52.5°	824	790	755	719	685	647	603	560	517	472	426
-55°	772	741	712	682	651	612	572	529	484	441	395
-57.5°	728	699	672	645	617	579	538	495	452	409	365
-60°	686	659	630	602	575	542	499	458	419	378	338
-62.5°	626	597	573	548	522	491	452	415	380	345	307
-65°	562	534	511	487	460	431	397	367	338	307	272
-67.5°	496	471	447	423	400	375	349	322	294	264	232
-70°	433	412	391	370	348	326	301	275	247	221	195
-72.5°	370	353	334	315	295	276	254	231	208	185	162
-75°	306	293	278	262	245	228	210	190	171	153	135
-77.5°	245	235	223	209	195	180	166	150	136	121	107
-80°	186	178	169	159	148	138	127	114	102	90	79
-82.5°	131	125	119	112	105	98	91	82	73	65	56
-85°	81	77	73	70	66	62	58	52	46	41	36
-87.5°	38	37	35	33	31	29	28	25	22	19	17
-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	1	2	1	0	1	1	0	0
65°	2	1	0	1	2	3	2	1	2	1	0
62.5°	3	4	3	2	3	4	4	3	2	2	1
60°	3	4	5	4	3	4	5	4	3	3	2
57.5°	6	5	5	5	4	4	5	5	4	4	3
55°	13	8	7	6	5	5	5	5	5	4	5
52.5°	33	18	11	9	7	5	5	5	5	5	5
50°	56	37	21	13	10	8	6	6	5	5	5
47.5°	82	60	39	21	14	10	8	7	5	5	5
45°	113	86	59	37	21	16	10	8	6	5	6
42.5°	147	116	84	53	35	23	12	10	7	5	6
40°	176	149	111	77	50	33	20	11	9	6	7
37.5°	206	179	142	102	67	46	29	13	11	8	7
35°	237	207	173	128	89	59	40	18	14	10	7
32.5°	267	234	198	155	111	71	51	29	17	11	7
30°	305	259	221	181	132	89	62	38	21	13	8
27.5°	344	282	242	202	154	108	73	47	26	16	10
25°	381	313	263	221	175	127	85	56	32	19	11
22.5°	419	346	282	239	195	145	100	66	39	23	13
20°	459	377	302	260	213	163	116	76	46	27	14
17.5°	502	411	334	281	231	179	131	86	52	31	16
15°	545	446	364	303	248	193	144	97	57	36	18
12.5°	583	477	391	323	264	206	156	107	61	40	21
10°	617	504	414	344	280	217	167	117	69	43	25
7.5°	645	528	435	363	294	229	176	124	77	46	28
5°	668	548	450	377	307	243	184	130	85	49	32
2.5°	687	563	461	388	318	257	191	135	93	51	35
0°	700	575	470	398	326	268	197	139	101	53	38
-2.5°	706	584	483	405	337	275	203	146	105	60	40
-5°	708	589	494	411	347	279	209	153	109	66	41
-7.5°	709	591	500	416	354	282	213	158	112	71	42
-10°	705	591	501	421	356	284	217	162	115	76	42
-12.5°	696	587	501	424	357	287	222	166	118	79	43
-15°	681	581	498	423	356	289	225	167	119	80	44
-17.5°	661	572	494	419	355	289	226	167	119	80	45
-20°	647	562	488	412	352	288	226	165	119	79	47

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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°	631	552	479	407	349	286	224	161	117	78	48
-25°	611	540	468	403	345	283	219	155	115	76	49
-27.5°	593	526	457	397	338	277	211	151	111	74	48
-30°	576	511	447	388	329	269	201	147	108	73	48
-32.5°	557	497	435	376	319	260	190	141	105	72	47
-35°	538	480	421	363	308	248	183	134	102	70	46
-37.5°	518	462	404	349	297	237	179	132	98	67	44
-40°	496	442	386	336	284	225	173	129	94	63	42
-42.5°	474	422	371	324	271	216	166	125	89	60	40
-45°	453	403	355	307	258	206	159	119	84	57	39
-47.5°	431	383	334	287	244	194	150	112	77	55	38
-50°	406	358	310	268	226	181	139	103	74	52	36
-52.5°	377	328	288	250	208	165	128	94	70	50	34
-55°	346	303	268	230	189	151	116	89	66	47	32
-57.5°	323	284	247	209	171	135	106	82	62	44	31
-60°	299	261	225	187	152	122	97	76	57	41	29
-62.5°	270	235	199	164	134	109	88	69	52	38	27
-65°	237	203	170	142	117	97	80	63	47	35	25
-67.5°	200	172	145	121	102	86	70	55	42	31	23
-70°	170	144	122	104	88	74	61	48	36	27	20
-72.5°	142	122	103	87	75	62	51	40	31	23	17
-75°	117	101	85	72	61	51	41	33	25	19	15
-77.5°	93	80	68	58	49	41	33	25	20	17	13
-80°	70	61	52	45	37	31	25	21	17	14	12
-82.5°	50	43	38	33	28	24	20	17	14	12	10
-85°	32	28	25	22	19	17	14	12	10	8	6
-87.5°	15	14	12	11	10	8	7	6	5	4	3
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4C-730-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	0	1	1	0	0	0	0
67.5°	1	1	1	1	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	2	2	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	3	3	0	0	0
55°	3	2	3	3	1	0	0
52.5°	4	2	3	4	1	0	0
50°	4	3	4	4	1	0	0
47.5°	5	3	4	5	2	0	0
45°	5	4	4	5	2	0	0
42.5°	6	4	4	5	2	0	0
40°	6	5	4	5	3	0	0
37.5°	7	5	4	5	3	0	0
35°	7	5	5	5	3	0	0
32.5°	8	6	5	5	3	0	0
30°	8	6	5	5	4	0	0
27.5°	9	7	5	5	4	0	0
25°	9	7	5	5	4	0	0
22.5°	9	8	5	5	4	0	0
20°	9	8	5	5	4	0	0
17.5°	10	8	5	5	4	0	0
15°	10	9	5	5	4	0	0
12.5°	11	9	5	5	5	0	0
10°	12	9	5	5	5	0	0
7.5°	12	9	5	5	5	0	0
5°	13	10	5	5	5	0	0
2.5°	14	10	5	5	5	0	0
0°	14	10	5	5	5	0	0
-2.5°	17	10	5	5	5	0	0
-5°	19	11	6	5	5	0	0
-7.5°	22	11	6	5	5	0	0
-10°	23	11	6	5	5	0	0
-12.5°	25	12	7	5	5	1	0
-15°	26	12	7	5	5	1	0
-17.5°	27	12	7	5	4	1	0
-20°	27	12	7	5	4	1	0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28	12	7	5	4	1	0
-25°	27	13	7	5	4	1	0
-27.5°	27	14	7	5	4	1	0
-30°	27	15	7	5	4	1	0
-32.5°	26	15	7	5	4	1	0
-35°	26	16	8	5	4	1	0
-37.5°	26	16	8	5	4	1	0
-40°	26	16	8	5	4	1	0
-42.5°	26	16	8	5	4	1	0
-45°	26	16	8	5	4	1	0
-47.5°	25	16	9	5	4	1	0
-50°	24	15	9	6	4	1	0
-52.5°	23	15	9	6	4	1	0
-55°	22	14	9	6	4	1	0
-57.5°	21	14	9	6	4	1	0
-60°	20	13	8	6	4	1	0
-62.5°	19	12	8	6	4	1	0
-65°	17	12	8	6	4	1	0
-67.5°	16	11	8	6	3	1	0
-70°	14	10	8	6	3	1	0
-72.5°	13	10	7	5	3	1	0
-75°	12	9	7	5	2	1	0
-77.5°	11	9	6	4	2	1	0
-80°	10	7	5	3	2	0	0
-82.5°	7	5	4	2	1	0	0
-85°	5	4	2	2	1	0	0
-87.5°	2	2	1	1	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)