

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: P627936 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-735-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627936 (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-SA6D-735-U-MWR-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41265.5 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 57812.4 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 27639.5 lumens
Beam Efficiency: 67.0%

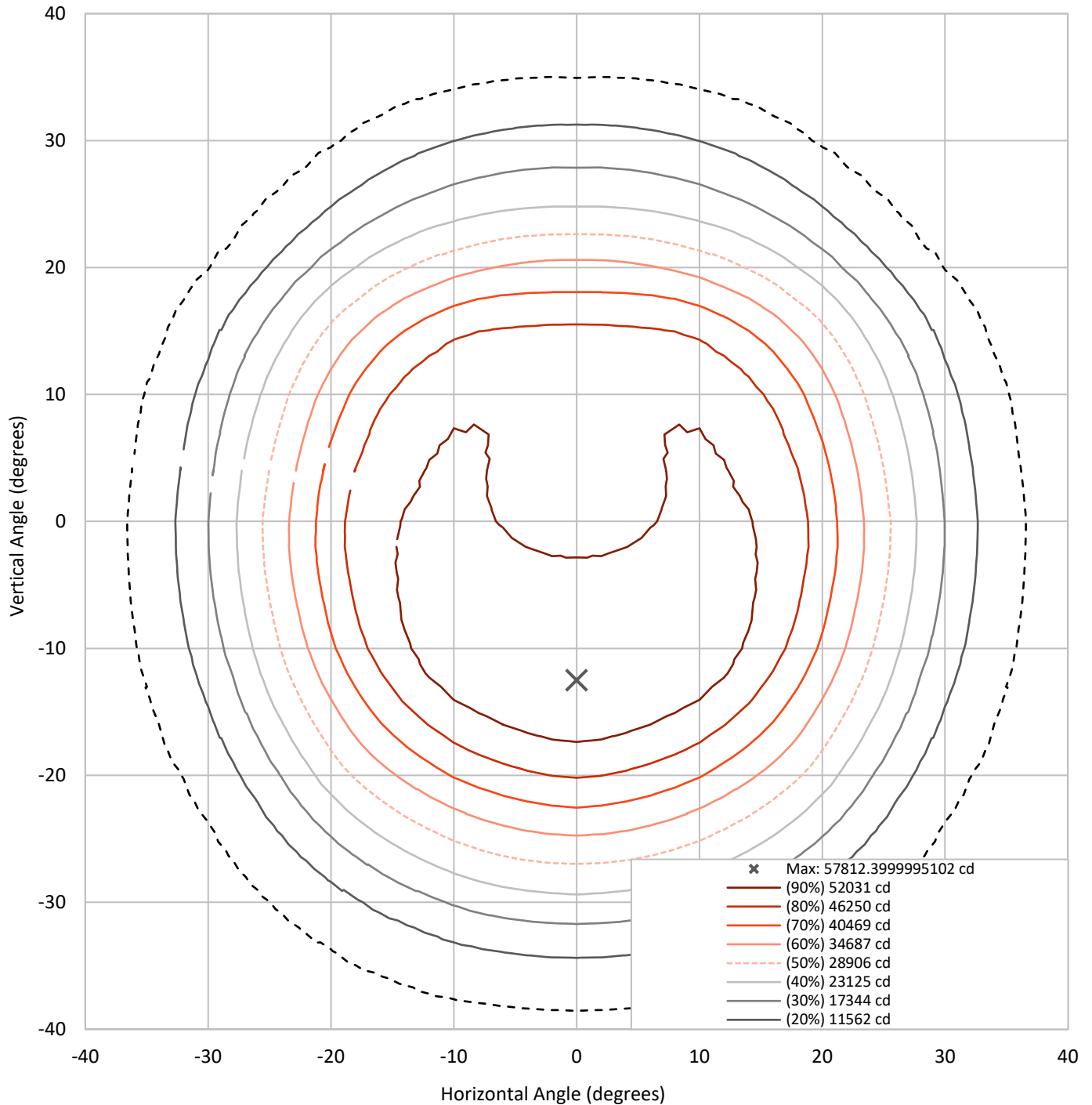
Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 37194.5 lumens
Field Efficiency: 90.1%

Input Watts (W): 325.9
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



REPORT NUMBER: P627936 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6D-735-U-MWR-VSR-XX

Iso-Candela Plot





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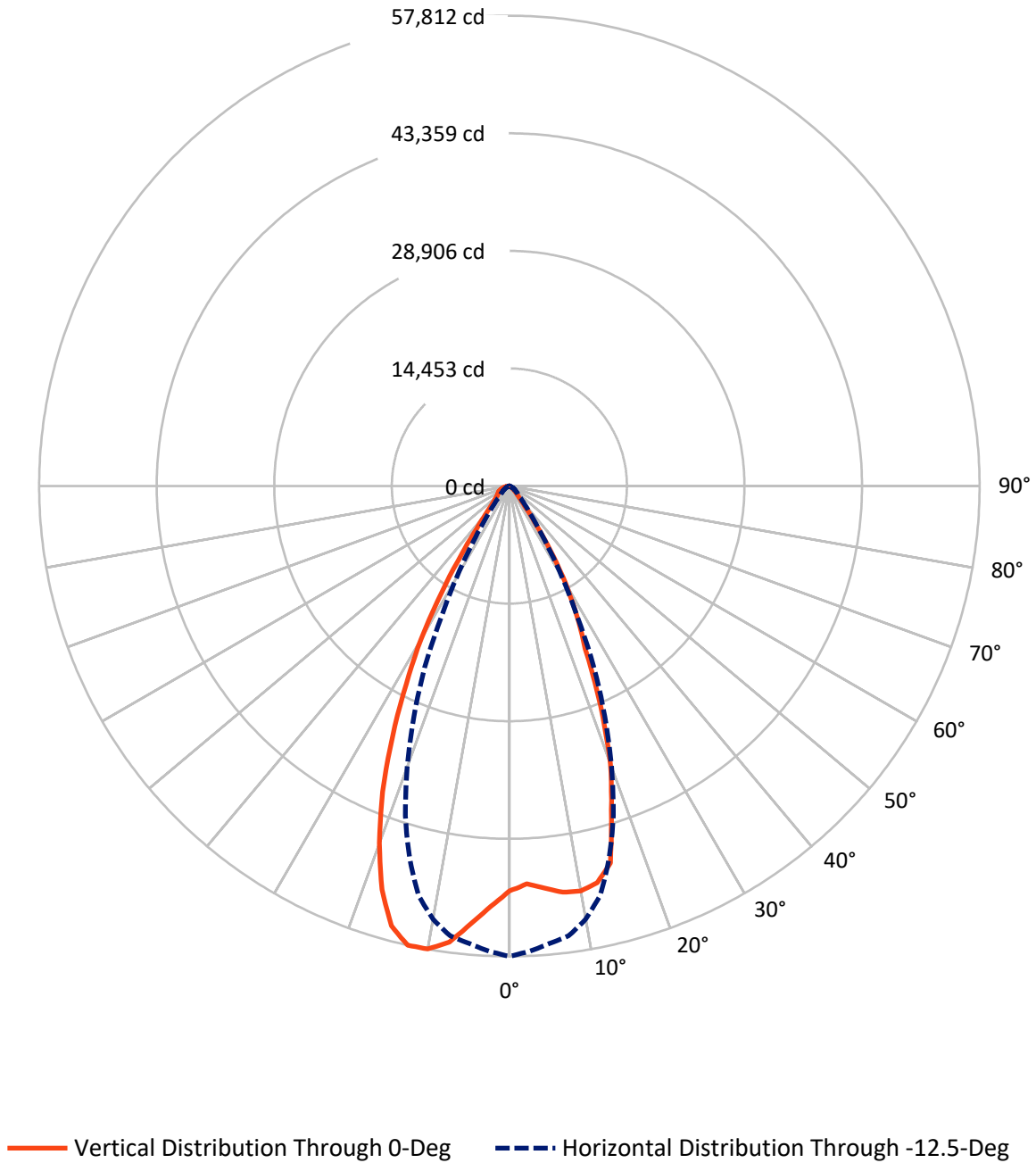
CATALOG NUMBER: GFLD-SA6D-735-U-MWR-VSR-XX

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	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1			
50		0.1	0.3	1.3	3.4	5.7	7.9	9.1	9.1	7.9	5.7	3.4	1.3	0.3	0.1				
40	0.2	0.2	1.6	5.8	11.6	19.0	28.3	34.7	34.7	28.3	19.0	11.6	5.8	1.6	0.2	0.2			
30		0.7	4.6	12.0	24.8	53.6	121.8	186.0	186.0	121.8	53.6	24.8	12.0	4.6	0.7				
20	0.4	1.7	7.7	19.3	51.8	191.9	494.0	690.5	690.5	494.0	191.9	51.8	19.3	7.7	1.7	0.4			
10		2.7	10.8	29.8	123.2	532.7	1111.3	1375.9	1375.9	1111.3	532.7	123.2	29.8	10.8	2.7				
0	0.9	3.6	13.3	38.4	196.2	784.5	1432.8	1553.4	1553.4	1432.8	784.5	196.2	38.4	13.3	3.6	0.9			
-10		4.2	14.7	41.1	205.3	810.2	1484.4	1648.7	1648.7	1484.4	810.2	205.3	41.1	14.7	4.2				
-20	1.2	4.5	14.9	37.4	146.9	603.2	1252.3	1599.0	1599.0	1252.3	603.2	146.9	37.4	14.9	4.5	1.2			
-30		4.4	14.2	31.1	82.1	292.7	697.8	981.9	981.9	697.8	292.7	82.1	31.1	14.2	4.4				
-40	1.1	3.8	12.7	25.8	49.0	104.2	218.0	323.5	323.5	218.0	104.2	49.0	25.8	12.7	3.8	1.1			
-50		3.2	10.6	21.5	35.8	52.9	74.4	88.2	88.2	74.4	52.9	35.8	21.5	10.6	3.2				
-60	0.8	2.4	8.0	16.9	28.1	39.0	48.6	53.2	53.2	48.6	39.0	28.1	16.9	8.0	2.4	0.8			
-70		1.7	5.1	11.5	19.8	27.9	35.3	39.4	39.4	35.3	27.9	19.8	11.5	5.1	1.7				
-80	0.3	4.6	20.8	44.2	56.7	44.2	20.8	4.6	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

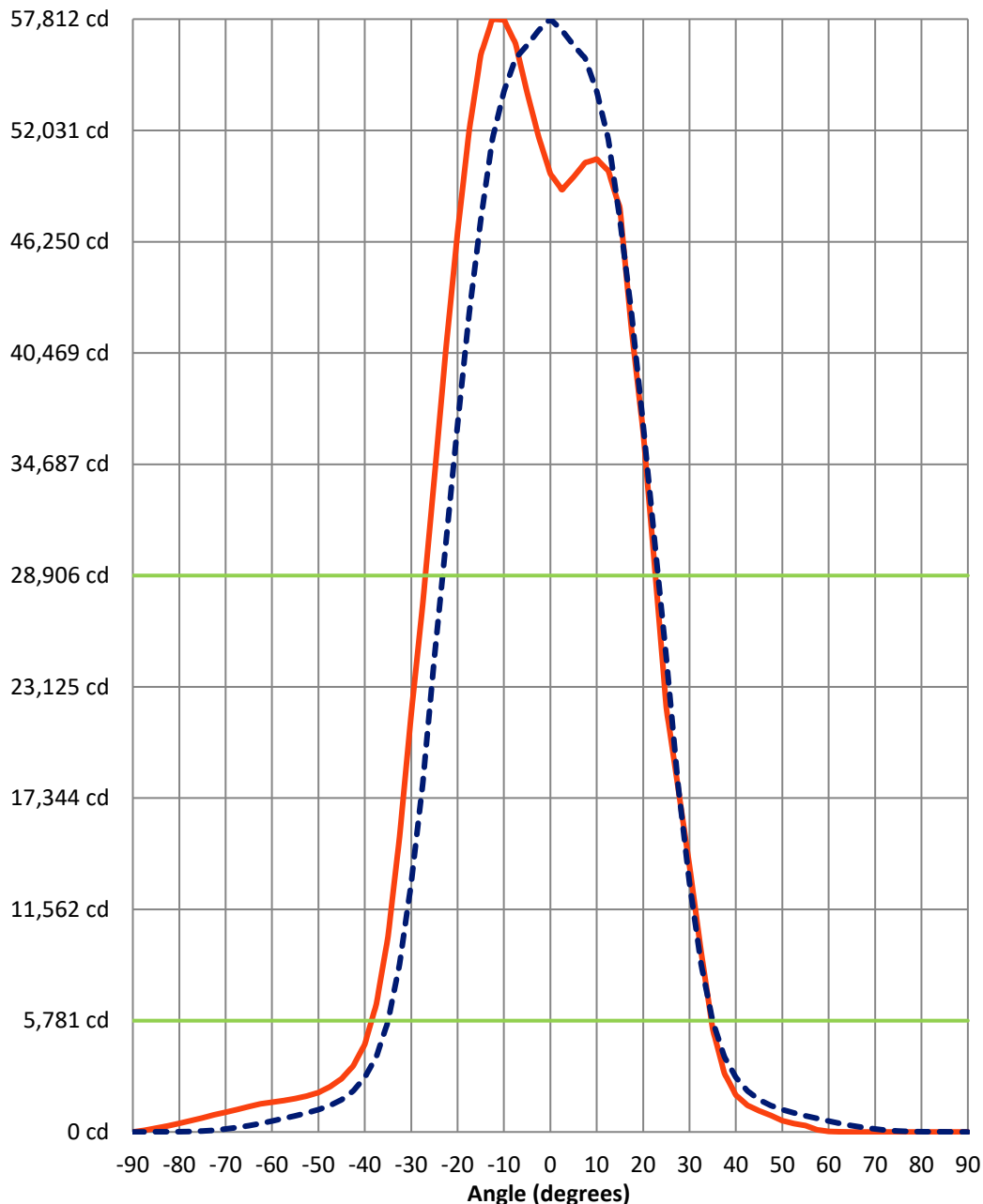
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 27639.5
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 37194.5
 Efficiency: 90.1%

Spill:
 Lumens: 4071
 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	1	0	0	0	0	0
72.5°	0	0	0	0	1	1	0	0	0	0	0
70°	0	0	0	0	2	2	1	0	0	0	0
67.5°	0	0	0	1	3	3	1	0	0	1	1
65°	0	0	0	2	4	3	1	0	2	3	3
62.5°	0	0	0	3	5	4	2	2	4	5	6
60°	0	0	0	4	6	4	2	4	7	7	9
57.5°	0	0	1	5	6	4	4	7	8	8	10
55°	0	0	1	6	6	4	5	9	9	10	10
52.5°	0	0	2	7	7	5	7	10	9	10	10
50°	0	0	3	8	7	6	8	10	10	10	11
47.5°	0	0	3	9	7	7	10	11	10	10	13
45°	0	0	4	9	7	8	10	12	10	12	16
42.5°	0	0	5	9	8	8	11	12	11	14	19
40°	0	0	5	10	8	9	12	13	12	17	23
37.5°	0	0	6	10	9	9	14	13	15	21	26
35°	0	0	6	10	9	10	15	14	19	27	35
32.5°	0	0	7	10	9	11	16	15	23	34	56
30°	0	0	7	10	9	12	17	16	26	42	76
27.5°	0	0	7	10	10	13	17	19	31	51	94
25°	0	0	8	10	10	14	18	22	38	64	110
22.5°	0	0	8	10	10	15	18	25	46	78	130
20°	0	0	8	10	10	16	19	28	54	91	150
17.5°	0	0	9	10	10	17	20	31	62	102	171
15°	0	0	9	10	10	17	21	35	70	112	191
12.5°	0	0	9	10	10	18	22	42	78	122	212
10°	0	0	9	10	10	18	23	49	85	136	231
7.5°	0	0	9	10	10	19	24	56	91	153	246
5°	0	0	9	10	10	19	26	63	96	169	258
2.5°	0	0	9	10	10	19	27	70	101	185	267
0°	0	0	10	10	10	19	28	76	104	199	275
-2.5°	0	0	9	10	10	20	33	78	118	208	290
-5°	0	0	9	10	11	21	38	81	130	216	302
-7.5°	0	1	9	10	12	22	43	82	141	222	313
-10°	0	1	9	10	13	22	46	84	150	228	321
-12.5°	0	1	9	10	13	23	49	85	157	233	327
-15°	0	1	9	10	14	24	52	86	159	235	330
-17.5°	0	1	9	10	14	24	53	89	158	236	330
-20°	0	2	9	10	14	24	54	93	156	234	326

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CATALOG NUMBER: GFLD-SA6D-735-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	2	9	10	15	24	54	95	154	231	318
-25°	0	2	8	10	15	26	54	96	151	226	306
-27.5°	0	2	8	10	14	28	54	96	147	220	299
-30°	0	2	8	10	14	29	53	94	145	214	290
-32.5°	0	2	8	10	15	30	51	92	143	207	278
-35°	0	2	8	10	15	31	52	90	139	201	264
-37.5°	0	2	8	10	16	31	52	87	133	194	260
-40°	0	2	8	10	16	31	52	84	125	186	256
-42.5°	0	2	8	10	16	31	52	80	119	177	248
-45°	0	2	8	10	17	31	51	77	114	166	236
-47.5°	0	2	8	11	17	31	49	74	108	153	221
-50°	0	2	8	11	17	30	48	71	103	147	204
-52.5°	0	2	8	11	18	29	46	68	98	139	186
-55°	0	2	8	11	17	28	44	63	94	130	175
-57.5°	0	2	8	12	17	27	42	61	88	122	163
-60°	0	2	8	12	16	26	40	58	81	113	149
-62.5°	0	2	8	12	16	25	37	54	76	103	137
-65°	0	2	7	12	16	23	34	49	69	94	124
-67.5°	0	2	7	12	16	21	31	44	61	83	110
-70°	0	2	6	11	15	20	27	39	54	71	94
-72.5°	0	1	5	10	15	19	25	33	46	61	79
-75°	0	1	5	9	14	18	23	30	38	50	65
-77.5°	0	1	4	8	12	17	21	27	33	40	50
-80°	0	1	3	6	10	14	19	23	28	34	41
-82.5°	0	1	2	5	7	11	15	19	24	28	33
-85°	0	0	2	3	5	7	10	13	16	20	24
-87.5°	0	0	1	2	2	4	5	6	8	10	12
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: GFLD-SA6D-735-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	1	1	0	0	0	0	0	0	0
67.5°	1	3	3	2	0	0	0	1	0	0	0
65°	5	6	5	2	0	2	3	3	0	0	0
62.5°	9	7	5	4	5	7	6	3	1	2	3
60°	10	8	7	8	10	9	6	7	8	9	22
57.5°	10	9	9	10	11	10	12	13	34	57	63
55°	10	9	11	13	14	16	25	53	79	98	106
52.5°	11	11	14	18	22	36	65	96	122	141	167
50°	12	15	20	26	42	74	110	145	177	208	244
47.5°	16	20	28	41	77	118	162	206	245	287	339
45°	20	31	41	73	117	170	224	273	313	362	409
42.5°	24	46	69	104	166	229	291	331	375	429	490
40°	39	65	100	153	219	294	349	392	439	514	589
37.5°	58	91	132	201	281	354	407	459	528	615	704
35°	79	116	176	253	342	410	468	534	628	728	834
32.5°	101	140	219	307	391	463	528	626	725	835	980
30°	122	176	262	357	436	511	604	712	811	945	1115
27.5°	144	213	305	399	479	558	680	785	897	1050	1255
25°	169	251	346	437	520	619	753	865	980	1176	1450
22.5°	198	288	386	472	558	684	827	966	1118	1312	1651
20°	229	322	421	514	597	746	907	1077	1282	1553	1997
17.5°	258	354	456	556	660	813	992	1193	1449	1786	2438
15°	285	382	490	598	720	881	1078	1325	1635	2054	2865
12.5°	309	407	522	639	773	943	1153	1422	1788	2391	3411
10°	330	429	553	679	819	997	1219	1504	1913	2633	3818
7.5°	348	453	582	717	860	1044	1275	1571	2023	2823	4136
5°	364	481	607	745	890	1083	1321	1622	2116	2963	4381
2.5°	377	507	628	768	912	1114	1357	1671	2205	3077	4588
0°	389	531	645	787	929	1137	1384	1706	2275	3156	4749
-2.5°	402	543	667	801	955	1154	1396	1732	2298	3168	4717
-5°	413	551	685	812	976	1164	1400	1742	2295	3143	4619
-7.5°	422	557	699	822	988	1169	1401	1736	2271	3090	4462
-10°	429	562	704	832	991	1168	1394	1714	2217	2988	4224
-12.5°	438	568	705	837	990	1161	1376	1676	2132	2836	3919
-15°	444	571	704	837	985	1148	1346	1622	2019	2632	3540
-17.5°	447	572	701	829	977	1130	1306	1559	1914	2453	3269
-20°	446	570	697	815	966	1111	1280	1509	1827	2282	2940

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CATALOG NUMBER: GFLD-SA6D-735-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	442	566	691	804	947	1091	1248	1449	1716	2089	2620
-25°	433	559	682	797	926	1067	1207	1383	1616	1946	2388
-27.5°	418	548	668	785	903	1040	1172	1332	1535	1789	2143
-30°	397	532	650	767	884	1011	1138	1273	1452	1673	1957
-32.5°	377	514	630	744	861	982	1101	1227	1380	1564	1786
-35°	362	491	609	717	832	949	1064	1181	1306	1470	1660
-37.5°	354	468	587	689	798	912	1023	1134	1250	1379	1552
-40°	342	444	562	665	763	874	981	1086	1194	1322	1455
-42.5°	328	427	535	640	733	835	937	1038	1146	1265	1389
-45°	314	407	510	607	701	796	895	990	1095	1207	1322
-47.5°	296	384	482	568	661	756	852	946	1039	1143	1254
-50°	275	358	447	530	613	708	802	898	989	1077	1174
-52.5°	253	327	412	493	569	649	746	842	933	1021	1107
-55°	229	298	375	455	531	600	684	782	872	957	1046
-57.5°	210	268	338	414	489	561	638	721	810	893	978
-60°	193	240	300	371	445	516	591	668	748	829	905
-62.5°	175	216	265	323	392	464	534	607	683	751	820
-65°	158	191	232	281	336	401	468	538	606	668	726
-67.5°	139	169	202	239	287	341	395	458	522	581	637
-70°	120	146	175	205	241	285	335	386	436	489	544
-72.5°	100	123	147	173	204	241	280	321	365	411	457
-75°	82	100	121	143	169	199	232	267	302	338	376
-77.5°	65	80	97	114	134	157	183	211	239	268	297
-80°	50	60	74	88	104	120	138	157	178	202	226
-82.5°	40	47	55	65	75	86	98	111	128	145	162
-85°	28	33	38	43	49	56	63	71	81	92	103
-87.5°	14	17	19	22	24	27	30	33	38	44	49
-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°	3	3	3	3	2	2	5	6	7	7	8
60°	25	18	24	31	30	23	34	38	35	29	30
57.5°	66	72	82	96	106	112	121	131	138	142	146
55°	122	146	172	184	204	235	262	264	269	276	292
52.5°	195	223	236	259	299	325	337	359	383	406	426
50°	283	307	336	372	411	435	444	483	530	568	592
47.5°	372	404	456	520	553	581	620	671	723	779	823
45°	454	512	578	635	680	728	781	843	925	1003	1061
42.5°	548	614	680	747	795	876	969	1042	1160	1264	1329
40°	658	722	818	899	999	1102	1262	1410	1560	1732	1858
37.5°	790	889	1024	1155	1302	1455	1741	2034	2273	2609	2795
35°	948	1102	1293	1488	1725	2091	2509	3074	3662	4152	4623
32.5°	1131	1328	1591	1940	2337	2926	3554	4595	5609	6623	7618
30°	1310	1596	2000	2478	3132	4064	5247	6855	8598	10125	11506
27.5°	1549	1956	2479	3195	4307	5673	7857	10091	12311	14292	15715
25°	1839	2384	3124	4309	5915	8180	11107	13846	16450	18393	20029
22.5°	2258	3074	4124	5633	8550	11698	15201	18647	21573	24021	25634
20°	2775	3879	5636	8371	11801	15739	20247	23871	27475	30230	32690
17.5°	3507	5266	7747	11220	15319	20571	25212	29255	33830	36645	39155
15°	4166	6426	9963	14394	19197	24764	30237	35189	39605	42699	45505
12.5°	4999	7660	11726	16938	22191	28388	34079	39380	43706	46889	48852
10°	5746	8924	13487	18937	24818	31293	37190	42708	46898	49359	50803
7.5°	6348	9975	14913	20649	26857	33374	39604	45080	49089	51148	52134
5°	6816	10754	16030	22051	28500	35168	41526	46887	50263	51966	52517
2.5°	7166	11297	16782	22975	29609	36493	42985	48268	51149	52377	52559
0°	7403	11678	17271	23555	30560	36968	43774	49139	51879	52864	52959
-2.5°	7347	11540	17249	23345	30451	37182	43900	49195	52126	53451	53666
-5°	7198	11215	16677	22748	29585	36325	42733	48324	51922	53922	54808
-7.5°	6909	10654	15699	21606	28182	34929	41463	47263	51404	54218	55952
-10°	6418	9834	14447	20162	26642	33071	39531	45551	50010	53398	55813
-12.5°	5747	8722	12922	18116	24631	30633	36750	42518	47384	51562	54058
-15°	5055	7564	11336	16089	21761	27672	33323	38982	43786	47693	50806
-17.5°	4562	6550	9500	13660	18639	24248	29760	34960	39294	42967	46232
-20°	3938	5414	7751	11248	15632	20534	25815	30443	34314	37758	40876



REPORT NUMBER: P627936 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-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°	3441	4637	6324	8710	12649	16973	21292	25553	29192	32258	34920
-25°	2990	3829	5148	7089	9650	13384	17024	20621	23981	26832	29229
-27.5°	2636	3303	4182	5564	7508	9687	12876	15883	18771	21378	23638
-30°	2314	2814	3502	4366	5688	7307	9225	11473	13777	15834	17888
-32.5°	2083	2439	2911	3553	4293	5452	6611	8124	9582	11083	12557
-35°	1875	2161	2483	2912	3420	4096	4860	5784	6564	7546	8452
-37.5°	1732	1934	2180	2450	2814	3191	3709	4270	4753	5300	5761
-40°	1614	1773	1939	2122	2371	2626	2960	3276	3582	3916	4165
-42.5°	1515	1642	1762	1903	2051	2256	2480	2676	2863	3059	3222
-45°	1438	1532	1629	1738	1851	1998	2157	2304	2426	2535	2624
-47.5°	1354	1439	1524	1608	1705	1812	1916	2010	2111	2196	2258
-50°	1271	1356	1433	1506	1589	1673	1756	1831	1903	1966	2005
-52.5°	1191	1278	1354	1421	1492	1561	1629	1697	1759	1816	1842
-55°	1131	1211	1288	1348	1407	1466	1527	1590	1649	1703	1719
-57.5°	1063	1145	1219	1275	1329	1382	1438	1497	1554	1604	1621
-60°	987	1072	1137	1189	1245	1303	1356	1409	1461	1505	1523
-62.5°	895	971	1031	1083	1133	1180	1238	1294	1348	1393	1419
-65°	786	852	909	962	1010	1056	1110	1162	1211	1250	1278
-67.5°	690	742	790	836	883	931	981	1029	1076	1109	1132
-70°	596	644	689	732	774	815	856	897	936	966	989
-72.5°	503	545	583	622	661	697	732	767	801	827	848
-75°	416	452	485	517	550	578	606	633	659	681	701
-77.5°	327	357	385	413	441	464	485	506	525	544	562
-80°	251	272	293	314	334	352	368	384	399	414	428
-82.5°	180	194	208	221	235	248	259	271	282	292	302
-85°	114	122	130	137	145	152	160	167	174	180	186
-87.5°	54	58	62	65	69	72	76	79	82	86	89
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627936 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-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°	9	9	9	9	9	9	9	8	7	7	6
60°	29	28	28	28	28	28	29	30	29	35	38
57.5°	143	133	124	114	124	133	143	146	142	138	131
55°	310	327	334	332	334	327	310	292	276	269	264
52.5°	440	448	446	436	446	448	440	426	406	383	359
50°	601	602	597	588	597	602	601	592	568	530	483
47.5°	845	858	864	863	864	858	845	823	779	723	671
45°	1084	1096	1101	1100	1101	1096	1084	1061	1003	925	843
42.5°	1363	1384	1391	1384	1391	1384	1363	1329	1264	1160	1042
40°	1931	1956	1944	1915	1944	1956	1931	1858	1732	1560	1410
37.5°	2926	3021	3061	3062	3061	3021	2926	2795	2609	2273	2034
35°	5047	5385	5540	5346	5540	5385	5047	4623	4152	3662	3074
32.5°	8429	9028	9365	9365	9365	9028	8429	7618	6623	5609	4595
30°	12550	13300	13721	13811	13721	13300	12550	11506	10125	8598	6855
27.5°	16825	17600	18002	17944	18002	17600	16825	15715	14292	12311	10091
25°	21114	21700	22039	22048	22039	21700	21114	20029	18393	16450	13846
22.5°	27449	28684	29192	29328	29192	28684	27449	25634	24021	21573	18647
20°	34356	35553	36325	36371	36325	35553	34356	32690	30230	27475	23871
17.5°	40936	41529	41639	41689	41639	41529	40936	39155	36645	33830	29255
15°	47138	47347	47895	47964	47895	47347	47138	45505	42699	39605	35189
12.5°	50085	50275	50181	49926	50181	50275	50085	48852	46889	43706	39380
10°	51690	51421	51022	50542	51022	51421	51690	50803	49359	46898	42708
7.5°	52054	51756	51051	50353	51051	51756	52054	52134	51148	49089	45080
5°	52226	51351	50461	49613	50461	51351	52226	52517	51966	50263	46887
2.5°	52124	51083	49862	48950	49862	51083	52124	52559	52377	51149	48268
0°	52457	51405	50125	49784	50125	51405	52457	52959	52864	51879	49139
-2.5°	53383	52530	51862	51679	51862	52530	53383	53666	53451	52126	49195
-5°	55049	54861	53726	53992	53726	54861	55049	54808	53922	51922	48324
-7.5°	56658	56391	55911	56533	55911	56391	56658	55952	54218	51404	47263
-10°	57086	56998	57223	57774	57223	56998	57086	55813	53398	50010	45551
-12.5°	55774	56461	57232	57812	57232	56461	55774	54058	51562	47384	42518
-15°	52850	54256	55407	55955	55407	54256	52850	50806	47693	43786	38982
-17.5°	48543	50266	51632	52021	51632	50266	48543	46232	42967	39294	34960
-20°	43240	44993	46235	46731	46235	44993	43240	40876	37758	34314	30443

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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°	37272	38984	40110	40703	40110	38984	37272	34920	32258	29192	25553
-25°	31215	32720	33719	33982	33719	32720	31215	29229	26832	23981	20621
-27.5°	25423	26633	27370	27451	27370	26633	25423	23638	21378	18771	15883
-30°	19597	20721	21359	21697	21359	20721	19597	17888	15834	13777	11473
-32.5°	13763	14655	15195	15337	15195	14655	13763	12557	11083	9582	8124
-35°	9176	9731	10073	10143	10073	9731	9176	8452	7546	6564	5784
-37.5°	6135	6406	6573	6654	6573	6406	6135	5761	5300	4753	4270
-40°	4347	4474	4545	4559	4545	4474	4347	4165	3916	3582	3276
-42.5°	3325	3389	3422	3431	3422	3389	3325	3222	3059	2863	2676
-45°	2686	2732	2759	2768	2759	2732	2686	2624	2535	2426	2304
-47.5°	2298	2327	2345	2351	2345	2327	2298	2258	2196	2111	2010
-50°	2027	2044	2050	2048	2050	2044	2027	2005	1966	1903	1831
-52.5°	1857	1868	1871	1867	1871	1868	1857	1842	1816	1759	1697
-55°	1731	1738	1739	1735	1739	1738	1731	1719	1703	1649	1590
-57.5°	1633	1643	1640	1630	1640	1643	1633	1621	1604	1554	1497
-60°	1537	1549	1550	1545	1550	1549	1537	1523	1505	1461	1409
-62.5°	1442	1461	1464	1460	1464	1461	1442	1419	1393	1348	1294
-65°	1304	1327	1326	1318	1326	1327	1304	1278	1250	1211	1162
-67.5°	1152	1169	1170	1166	1170	1169	1152	1132	1109	1076	1029
-70°	1009	1027	1028	1024	1028	1027	1009	989	966	936	897
-72.5°	868	886	890	891	890	886	868	848	827	801	767
-75°	719	735	734	730	734	735	719	701	681	659	633
-77.5°	578	594	592	588	592	594	578	562	544	525	506
-80°	441	453	450	446	450	453	441	428	414	399	384
-82.5°	312	321	317	313	317	321	312	302	292	282	271
-85°	193	198	199	199	199	198	193	186	180	174	167
-87.5°	92	94	90	85	90	94	92	89	86	82	79
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627936 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	1
65°	0	0	0	0	0	0	0	0	0	0	3
62.5°	5	2	2	3	3	3	3	3	2	1	3
60°	34	23	30	31	24	18	25	22	9	8	7
57.5°	121	112	106	96	82	72	66	63	57	34	13
55°	262	235	204	184	172	146	122	106	98	79	53
52.5°	337	325	299	259	236	223	195	167	141	122	96
50°	444	435	411	372	336	307	283	244	208	177	145
47.5°	620	581	553	520	456	404	372	339	287	245	206
45°	781	728	680	635	578	512	454	409	362	313	273
42.5°	969	876	795	747	680	614	548	490	429	375	331
40°	1262	1102	999	899	818	722	658	589	514	439	392
37.5°	1741	1455	1302	1155	1024	889	790	704	615	528	459
35°	2509	2091	1725	1488	1293	1102	948	834	728	628	534
32.5°	3554	2926	2337	1940	1591	1328	1131	980	835	725	626
30°	5247	4064	3132	2478	2000	1596	1310	1115	945	811	712
27.5°	7857	5673	4307	3195	2479	1956	1549	1255	1050	897	785
25°	11107	8180	5915	4309	3124	2384	1839	1450	1176	980	865
22.5°	15201	11698	8550	5633	4124	3074	2258	1651	1312	1118	966
20°	20247	15739	11801	8371	5636	3879	2775	1997	1553	1282	1077
17.5°	25212	20571	15319	11220	7747	5266	3507	2438	1786	1449	1193
15°	30237	24764	19197	14394	9963	6426	4166	2865	2054	1635	1325
12.5°	34079	28388	22191	16938	11726	7660	4999	3411	2391	1788	1422
10°	37190	31293	24818	18937	13487	8924	5746	3818	2633	1913	1504
7.5°	39604	33374	26857	20649	14913	9975	6348	4136	2823	2023	1571
5°	41526	35168	28500	22051	16030	10754	6816	4381	2963	2116	1622
2.5°	42985	36493	29609	22975	16782	11297	7166	4588	3077	2205	1671
0°	43774	36968	30560	23555	17271	11678	7403	4749	3156	2275	1706
-2.5°	43900	37182	30451	23345	17249	11540	7347	4717	3168	2298	1732
-5°	42733	36325	29585	22748	16677	11215	7198	4619	3143	2295	1742
-7.5°	41463	34929	28182	21606	15699	10654	6909	4462	3090	2271	1736
-10°	39531	33071	26642	20162	14447	9834	6418	4224	2988	2217	1714
-12.5°	36750	30633	24631	18116	12922	8722	5747	3919	2836	2132	1676
-15°	33323	27672	21761	16089	11336	7564	5055	3540	2632	2019	1622
-17.5°	29760	24248	18639	13660	9500	6550	4562	3269	2453	1914	1559
-20°	25815	20534	15632	11248	7751	5414	3938	2940	2282	1827	1509

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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°	21292	16973	12649	8710	6324	4637	3441	2620	2089	1716	1449
-25°	17024	13384	9650	7089	5148	3829	2990	2388	1946	1616	1383
-27.5°	12876	9687	7508	5564	4182	3303	2636	2143	1789	1535	1332
-30°	9225	7307	5688	4366	3502	2814	2314	1957	1673	1452	1273
-32.5°	6611	5452	4293	3553	2911	2439	2083	1786	1564	1380	1227
-35°	4860	4096	3420	2912	2483	2161	1875	1660	1470	1306	1181
-37.5°	3709	3191	2814	2450	2180	1934	1732	1552	1379	1250	1134
-40°	2960	2626	2371	2122	1939	1773	1614	1455	1322	1194	1086
-42.5°	2480	2256	2051	1903	1762	1642	1515	1389	1265	1146	1038
-45°	2157	1998	1851	1738	1629	1532	1438	1322	1207	1095	990
-47.5°	1916	1812	1705	1608	1524	1439	1354	1254	1143	1039	946
-50°	1756	1673	1589	1506	1433	1356	1271	1174	1077	989	898
-52.5°	1629	1561	1492	1421	1354	1278	1191	1107	1021	933	842
-55°	1527	1466	1407	1348	1288	1211	1131	1046	957	872	782
-57.5°	1438	1382	1329	1275	1219	1145	1063	978	893	810	721
-60°	1356	1303	1245	1189	1137	1072	987	905	829	748	668
-62.5°	1238	1180	1133	1083	1031	971	895	820	751	683	607
-65°	1110	1056	1010	962	909	852	786	726	668	606	538
-67.5°	981	931	883	836	790	742	690	637	581	522	458
-70°	856	815	774	732	689	644	596	544	489	436	386
-72.5°	732	697	661	622	583	545	503	457	411	365	321
-75°	606	578	550	517	485	452	416	376	338	302	267
-77.5°	485	464	441	413	385	357	327	297	268	239	211
-80°	368	352	334	314	293	272	251	226	202	178	157
-82.5°	259	248	235	221	208	194	180	162	145	128	111
-85°	160	152	145	137	130	122	114	103	92	81	71
-87.5°	76	72	69	65	62	58	54	49	44	38	33
-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	1	1	0	0	0	0	0	0
67.5°	0	0	0	2	3	3	1	1	1	0	0
65°	3	2	0	2	5	6	5	3	3	2	0
62.5°	6	7	5	4	5	7	9	6	5	4	2
60°	6	9	10	8	7	8	10	9	7	7	4
57.5°	12	10	11	10	9	9	10	10	8	8	7
55°	25	16	14	13	11	9	10	10	10	9	9
52.5°	65	36	22	18	14	11	11	10	10	9	10
50°	110	74	42	26	20	15	12	11	10	10	10
47.5°	162	118	77	41	28	20	16	13	10	10	11
45°	224	170	117	73	41	31	20	16	12	10	12
42.5°	291	229	166	104	69	46	24	19	14	11	12
40°	349	294	219	153	100	65	39	23	17	12	13
37.5°	407	354	281	201	132	91	58	26	21	15	13
35°	468	410	342	253	176	116	79	35	27	19	14
32.5°	528	463	391	307	219	140	101	56	34	23	15
30°	604	511	436	357	262	176	122	76	42	26	16
27.5°	680	558	479	399	305	213	144	94	51	31	19
25°	753	619	520	437	346	251	169	110	64	38	22
22.5°	827	684	558	472	386	288	198	130	78	46	25
20°	907	746	597	514	421	322	229	150	91	54	28
17.5°	992	813	660	556	456	354	258	171	102	62	31
15°	1078	881	720	598	490	382	285	191	112	70	35
12.5°	1153	943	773	639	522	407	309	212	122	78	42
10°	1219	997	819	679	553	429	330	231	136	85	49
7.5°	1275	1044	860	717	582	453	348	246	153	91	56
5°	1321	1083	890	745	607	481	364	258	169	96	63
2.5°	1357	1114	912	768	628	507	377	267	185	101	70
0°	1384	1137	929	787	645	531	389	275	199	104	76
-2.5°	1396	1154	955	801	667	543	402	290	208	118	78
-5°	1400	1164	976	812	685	551	413	302	216	130	81
-7.5°	1401	1169	988	822	699	557	422	313	222	141	82
-10°	1394	1168	991	832	704	562	429	321	228	150	84
-12.5°	1376	1161	990	837	705	568	438	327	233	157	85
-15°	1346	1148	985	837	704	571	444	330	235	159	86
-17.5°	1306	1130	977	829	701	572	447	330	236	158	89
-20°	1280	1111	966	815	697	570	446	326	234	156	93

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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°	1248	1091	947	804	691	566	442	318	231	154	95
-25°	1207	1067	926	797	682	559	433	306	226	151	96
-27.5°	1172	1040	903	785	668	548	418	299	220	147	96
-30°	1138	1011	884	767	650	532	397	290	214	145	94
-32.5°	1101	982	861	744	630	514	377	278	207	143	92
-35°	1064	949	832	717	609	491	362	264	201	139	90
-37.5°	1023	912	798	689	587	468	354	260	194	133	87
-40°	981	874	763	665	562	444	342	256	186	125	84
-42.5°	937	835	733	640	535	427	328	248	177	119	80
-45°	895	796	701	607	510	407	314	236	166	114	77
-47.5°	852	756	661	568	482	384	296	221	153	108	74
-50°	802	708	613	530	447	358	275	204	147	103	71
-52.5°	746	649	569	493	412	327	253	186	139	98	68
-55°	684	600	531	455	375	298	229	175	130	94	63
-57.5°	638	561	489	414	338	268	210	163	122	88	61
-60°	591	516	445	371	300	240	193	149	113	81	58
-62.5°	534	464	392	323	265	216	175	137	103	76	54
-65°	468	401	336	281	232	191	158	124	94	69	49
-67.5°	395	341	287	239	202	169	139	110	83	61	44
-70°	335	285	241	205	175	146	120	94	71	54	39
-72.5°	280	241	204	173	147	123	100	79	61	46	33
-75°	232	199	169	143	121	100	82	65	50	38	30
-77.5°	183	157	134	114	97	80	65	50	40	33	27
-80°	138	120	104	88	74	60	50	41	34	28	23
-82.5°	98	86	75	65	55	47	40	33	28	24	19
-85°	63	56	49	43	38	33	28	24	20	16	13
-87.5°	30	27	24	22	19	17	14	12	10	8	6
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA6D-735-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	1	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	1	2	2	0	0	0	0
67.5°	1	3	3	1	0	0	0
65°	1	3	4	2	0	0	0
62.5°	2	4	5	3	0	0	0
60°	2	4	6	4	0	0	0
57.5°	4	4	6	5	1	0	0
55°	5	4	6	6	1	0	0
52.5°	7	5	7	7	2	0	0
50°	8	6	7	8	3	0	0
47.5°	10	7	7	9	3	0	0
45°	10	8	7	9	4	0	0
42.5°	11	8	8	9	5	0	0
40°	12	9	8	10	5	0	0
37.5°	14	9	9	10	6	0	0
35°	15	10	9	10	6	0	0
32.5°	16	11	9	10	7	0	0
30°	17	12	9	10	7	0	0
27.5°	17	13	10	10	7	0	0
25°	18	14	10	10	8	0	0
22.5°	18	15	10	10	8	0	0
20°	19	16	10	10	8	0	0
17.5°	20	17	10	10	9	0	0
15°	21	17	10	10	9	0	0
12.5°	22	18	10	10	9	0	0
10°	23	18	10	10	9	0	0
7.5°	24	19	10	10	9	0	0
5°	26	19	10	10	9	0	0
2.5°	27	19	10	10	9	0	0
0°	28	19	10	10	10	0	0
-2.5°	33	20	10	10	9	0	0
-5°	38	21	11	10	9	0	0
-7.5°	43	22	12	10	9	1	0
-10°	46	22	13	10	9	1	0
-12.5°	49	23	13	10	9	1	0
-15°	52	24	14	10	9	1	0
-17.5°	53	24	14	10	9	1	0
-20°	54	24	14	10	9	2	0

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CATALOG NUMBER: GFLD-SA6D-735-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	54	24	15	10	9	2	0
-25°	54	26	15	10	8	2	0
-27.5°	54	28	14	10	8	2	0
-30°	53	29	14	10	8	2	0
-32.5°	51	30	15	10	8	2	0
-35°	52	31	15	10	8	2	0
-37.5°	52	31	16	10	8	2	0
-40°	52	31	16	10	8	2	0
-42.5°	52	31	16	10	8	2	0
-45°	51	31	17	10	8	2	0
-47.5°	49	31	17	11	8	2	0
-50°	48	30	17	11	8	2	0
-52.5°	46	29	18	11	8	2	0
-55°	44	28	17	11	8	2	0
-57.5°	42	27	17	12	8	2	0
-60°	40	26	16	12	8	2	0
-62.5°	37	25	16	12	8	2	0
-65°	34	23	16	12	7	2	0
-67.5°	31	21	16	12	7	2	0
-70°	27	20	15	11	6	2	0
-72.5°	25	19	15	10	5	1	0
-75°	23	18	14	9	5	1	0
-77.5°	21	17	12	8	4	1	0
-80°	19	14	10	6	3	1	0
-82.5°	15	11	7	5	2	1	0
-85°	10	7	5	3	2	0	0
-87.5°	5	4	2	2	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)