

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: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2D-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-735-U-VWR-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

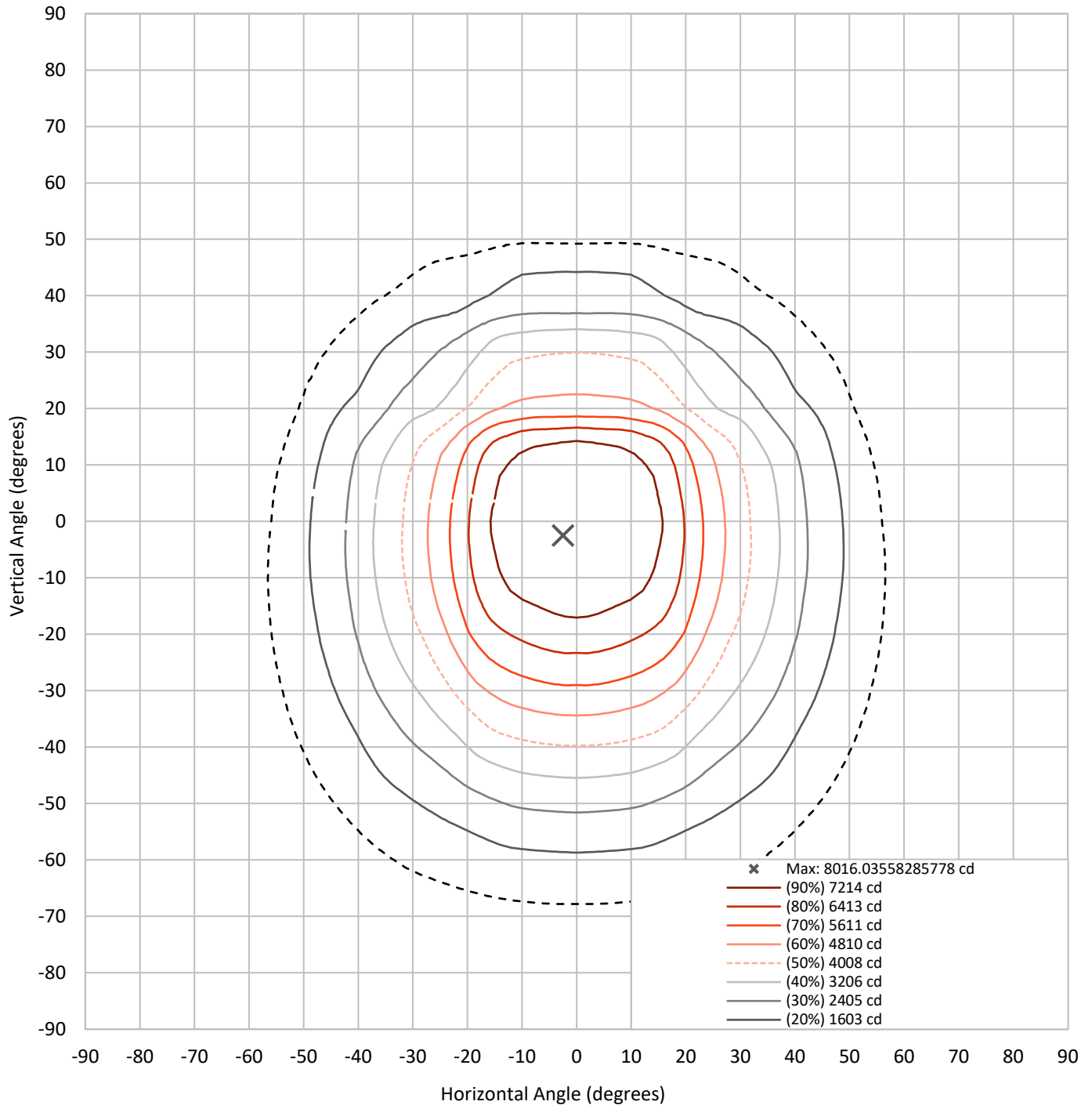
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	10697.6 lumens	Max Intensity:	8016 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	98.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	6189.3 lumens	Field Lumens:	10151.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	108.7		
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		



REPORT NUMBER: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

Iso-Candela Plot





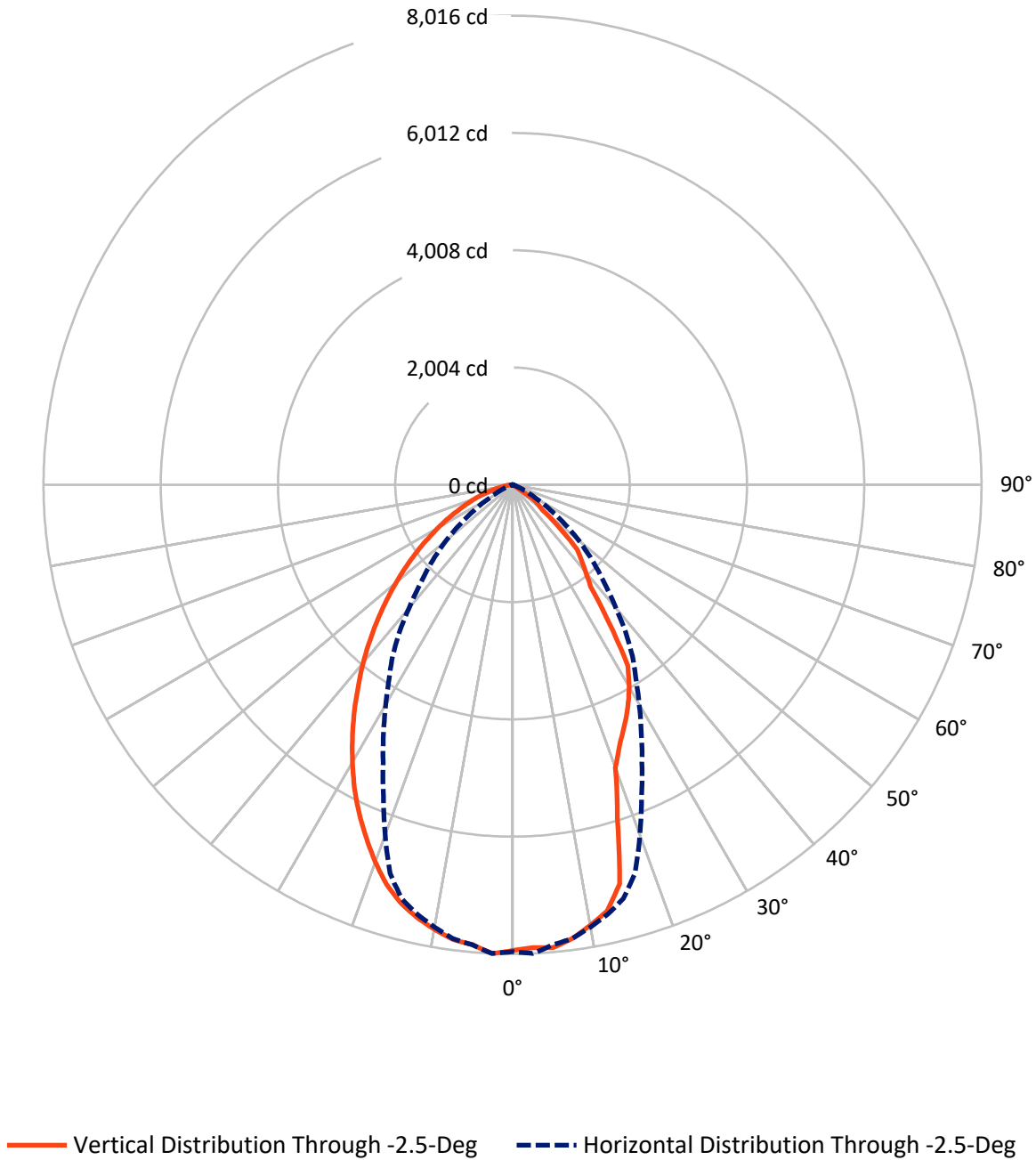
REPORT NUMBER: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90																			
80	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0					
70																			
60	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1				
50		0.1	0.2	1.0	2.9	5.6	8.3	10.4	10.4	8.3	5.6	2.9	1.0	0.2		0.1			
40	0.2	0.2	1.2	5.5	13.3	23.9	35.3	43.2	43.2	35.3	23.9	13.3	5.5	1.2	0.2	0.2			
30		0.5	4.0	13.9	31.0	50.3	75.4	88.1	88.1	75.4	50.3	31.0	13.9	4.0	0.5				
20	0.3	1.2	7.7	24.6	50.0	79.2	118.8	136.6	136.6	118.8	79.2	50.0	24.6	7.7	1.2	0.3			
10		2.0	11.8	36.4	72.0	118.4	176.3	202.2	202.2	176.3	118.4	72.0	36.4	11.8	2.0				
0	0.5	2.8	15.3	43.3	86.1	141.5	208.2	236.3	236.3	208.2	141.5	86.1	43.3	15.3	2.8	0.5			
-10		3.3	16.9	44.9	88.4	144.8	209.8	237.2	237.2	209.8	144.8	88.4	44.9	16.9	3.3				
-20	0.7	3.4	16.5	42.5	83.3	135.6	194.7	220.0	220.0	194.7	135.6	83.3	42.5	16.5	3.4	0.7			
-30		3.1	14.5	37.1	72.0	115.2	163.2	184.8	184.8	163.2	115.2	72.0	37.1	14.5	3.1				
-40	0.7	2.6	11.5	29.2	56.6	88.9	124.6	141.1	141.1	124.6	88.9	56.6	29.2	11.5	2.6	0.7			
-50		2.1	8.5	20.8	40.6	62.5	86.3	97.9	97.9	86.3	62.5	40.6	20.8	8.5	2.1				
-60	0.5	1.6	5.6	13.4	25.2	38.8	52.7	60.1	60.1	52.7	38.8	25.2	13.4	5.6	1.6	0.5			
-70		1.1	3.4	7.8	13.9	20.6	27.2	30.9	30.9	27.2	20.6	13.9	7.8	3.4	1.1				
-80	0.2	2.5	11.5	25.2	28.1	25.2	11.5	2.5	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

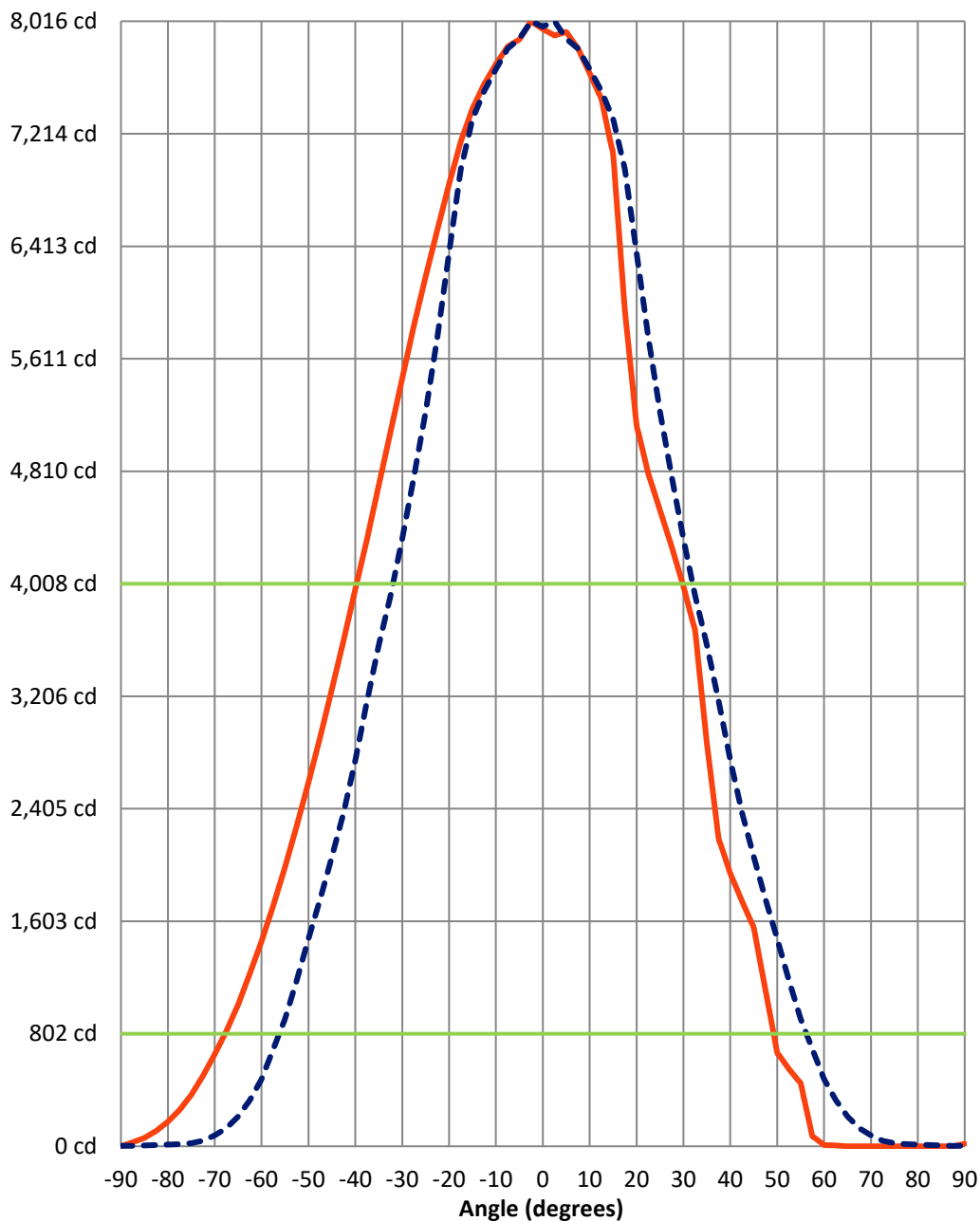
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 6189.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 10151.4
 Efficiency: 94.9%

Spill:
 Lumens: 546.3
 Efficiency: 5.1%

— Vertical Distribution through -2.5-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°	3	3	3	4	5	5	6	7	8	8	9
87.5°	3	3	3	3	3	3	2	2	1	0	0
85°	3	3	3	3	2	2	1	1	0	0	0
82.5°	3	3	3	3	2	2	1	0	0	0	1
80°	3	3	3	3	2	1	0	1	1	2	2
77.5°	3	3	3	3	2	1	1	1	2	3	3
75°	3	3	3	2	2	1	2	2	3	2	2
72.5°	3	3	3	2	2	2	2	3	3	2	1
70°	3	3	3	2	2	2	3	3	2	1	1
67.5°	3	3	3	3	2	3	3	3	2	2	3
65°	3	3	3	3	3	3	3	3	3	3	4
62.5°	3	3	3	3	3	3	3	3	4	5	4
60°	3	3	3	3	3	4	4	4	5	5	5
57.5°	3	3	3	3	3	4	4	5	6	6	6
55°	3	3	3	3	4	4	5	6	7	7	7
52.5°	3	3	3	3	4	5	6	7	8	8	9
50°	3	3	3	3	4	5	7	8	9	10	10
47.5°	3	3	3	3	5	6	7	9	10	11	12
45°	3	3	3	3	5	6	8	9	11	12	13
42.5°	3	3	3	4	5	7	9	10	12	13	16
40°	3	3	4	4	6	8	9	11	13	15	19
37.5°	3	3	4	4	6	8	10	12	15	16	22
35°	3	3	4	5	7	9	11	14	16	20	28
32.5°	3	3	4	5	7	9	11	15	17	25	39
30°	3	3	4	6	7	10	12	16	19	30	51
27.5°	3	3	4	6	8	10	13	17	21	35	62
25°	3	3	4	6	8	10	14	18	25	44	73
22.5°	3	3	5	7	9	11	15	19	30	53	87
20°	3	3	5	7	9	11	16	20	35	61	102
17.5°	3	3	5	7	10	12	17	22	40	69	116
15°	3	3	5	8	10	13	17	23	44	77	129
12.5°	3	3	5	8	10	13	18	25	50	84	143
10°	3	3	5	8	11	13	19	27	56	92	156
7.5°	3	3	6	8	11	14	19	30	61	100	170
5°	3	3	6	9	11	14	20	32	66	107	182
2.5°	3	3	6	9	12	15	20	34	71	114	194
0°	3	3	6	9	12	15	21	36	75	120	203
-2.5°	3	3	6	9	12	15	22	40	78	129	212
-5°	3	3	6	9	12	16	23	43	80	137	220
-7.5°	3	3	6	9	13	16	24	46	82	144	225
-10°	3	3	6	9	13	16	25	48	83	149	230
-12.5°	3	3	6	9	13	16	25	50	84	152	233
-15°	3	3	6	9	13	16	26	51	86	151	234
-17.5°	3	3	6	9	13	17	26	52	89	150	233
-20°	3	3	6	8	13	17	27	53	90	147	228

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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3	3	6	8	13	17	28	54	91	143	221
-25°	3	3	5	8	12	18	30	54	91	138	211
-27.5°	3	3	5	8	12	19	31	53	90	134	203
-30°	3	3	5	8	12	20	32	51	88	132	195
-32.5°	3	3	5	8	12	21	32	51	86	129	185
-35°	3	3	5	7	13	22	33	52	83	124	174
-37.5°	3	3	5	7	13	23	34	51	79	118	170
-40°	3	3	5	7	13	23	34	51	74	112	164
-42.5°	3	3	4	7	13	23	34	50	72	107	156
-45°	3	3	4	7	13	23	34	49	70	102	146
-47.5°	3	3	4	7	13	22	34	48	67	95	138
-50°	3	3	4	7	13	22	33	47	65	92	128
-52.5°	3	3	4	7	12	21	32	45	63	89	118
-55°	3	3	3	6	12	20	31	43	61	85	113
-57.5°	3	3	3	6	11	19	30	41	59	81	107
-60°	3	3	3	6	10	18	28	39	55	76	100
-62.5°	3	3	3	6	10	16	26	37	50	70	93
-65°	3	3	3	5	9	15	23	33	45	62	84
-67.5°	3	3	3	5	8	13	20	29	38	53	72
-70°	3	3	3	4	8	12	17	25	33	43	58
-72.5°	3	3	3	4	7	11	15	20	27	35	45
-75°	3	3	3	4	6	9	13	17	21	28	35
-77.5°	3	3	3	4	6	8	11	14	18	21	26
-80°	3	3	3	4	5	7	9	12	14	17	20
-82.5°	3	3	3	4	5	7	8	9	11	13	15
-85°	3	3	3	4	5	6	8	9	10	11	12
-87.5°	3	3	3	4	5	6	7	8	9	9	10
-90°	3	3	3	3	3	3	3	2	1	1	0



REPORT NUMBER: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9	9	9	9	9	9	9	9	10	11	11
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°	1	1	0	0	0	0	0	0	0	0	0
80°	2	2	1	0	0	0	0	0	0	0	0
77.5°	2	1	0	0	0	0	0	0	0	0	0
75°	1	0	0	0	0	0	0	0	0	0	0
72.5°	0	1	1	0	0	0	0	0	0	0	0
70°	2	2	1	0	0	0	0	0	0	0	0
67.5°	3	2	1	1	1	2	1	2	2	2	2
65°	3	2	2	3	3	3	3	4	3	3	3
62.5°	3	3	4	4	5	5	5	5	4	4	5
60°	4	5	6	6	7	7	7	7	8	9	17
57.5°	6	6	7	8	9	9	9	10	24	39	43
55°	8	8	9	11	12	11	16	35	52	72	80
52.5°	9	10	12	14	15	23	42	66	92	115	145
50°	11	13	15	18	28	50	77	110	150	187	224
47.5°	13	16	19	28	56	85	123	177	225	270	322
45°	16	22	26	55	87	126	189	255	299	359	451
42.5°	20	31	49	83	122	185	263	320	378	475	572
40°	28	41	75	115	164	255	336	400	480	587	688
37.5°	39	63	100	149	230	330	416	508	599	701	887
35°	50	83	133	198	296	413	516	618	723	923	1108
32.5°	66	101	167	255	368	495	615	733	902	1128	1314
30°	82	131	206	308	435	571	715	858	1082	1269	1471
27.5°	99	162	252	364	498	642	805	1008	1208	1393	1615
25°	117	195	294	417	560	720	906	1155	1311	1515	1746
22.5°	139	226	335	465	617	799	1037	1286	1470	1642	1868
20°	166	261	380	525	673	877	1167	1429	1646	1842	2050
17.5°	190	294	429	587	755	976	1294	1585	1823	2042	2301
15°	213	324	476	645	835	1090	1409	1727	2000	2246	2541
12.5°	233	352	521	700	911	1188	1505	1816	2115	2436	2770
10°	252	377	565	750	981	1271	1584	1890	2191	2531	2903
7.5°	272	401	604	796	1045	1339	1648	1949	2253	2607	2988
5°	290	422	635	828	1094	1393	1695	1994	2300	2664	3054
2.5°	306	440	660	854	1130	1432	1726	2031	2335	2710	3103
0°	320	455	679	874	1158	1460	1744	2056	2355	2741	3136
-2.5°	329	479	693	908	1182	1479	1761	2063	2377	2751	3173
-5°	335	498	701	935	1198	1487	1766	2057	2383	2748	3178
-7.5°	339	512	704	950	1203	1482	1757	2047	2373	2739	3154
-10°	341	516	709	945	1196	1466	1737	2023	2346	2708	3109
-12.5°	346	514	708	935	1180	1442	1707	1986	2301	2656	3047
-15°	348	507	700	920	1156	1410	1668	1934	2245	2605	2978
-17.5°	345	498	683	901	1124	1372	1621	1888	2193	2547	2905
-20°	337	486	658	879	1086	1329	1575	1839	2132	2465	2824

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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	324	471	631	848	1053	1280	1521	1772	2057	2360	2715
-25°	310	455	610	805	1013	1223	1458	1691	1969	2266	2581
-27.5°	297	432	588	758	967	1161	1388	1615	1869	2160	2451
-30°	280	407	561	713	911	1104	1309	1533	1761	2037	2323
-32.5°	266	381	530	679	850	1039	1224	1437	1660	1896	2178
-35°	256	366	497	639	789	968	1145	1330	1546	1767	2015
-37.5°	248	349	463	598	741	894	1059	1230	1418	1641	1874
-40°	235	329	437	558	684	824	977	1132	1295	1513	1743
-42.5°	219	310	413	516	631	758	894	1040	1197	1386	1597
-45°	206	285	386	478	573	690	818	950	1098	1260	1450
-47.5°	191	259	352	437	521	621	738	862	993	1140	1295
-50°	174	236	309	392	472	555	655	770	889	1017	1155
-52.5°	161	210	277	346	422	497	582	681	787	894	1016
-55°	146	191	246	308	373	443	520	606	693	791	888
-57.5°	136	173	220	274	333	392	465	538	618	699	780
-60°	128	157	196	244	296	351	411	478	548	614	684
-62.5°	119	144	175	214	261	309	361	419	482	537	592
-65°	107	129	155	187	224	264	309	358	412	457	502
-67.5°	93	112	134	160	191	222	255	297	340	377	413
-70°	76	93	111	133	157	184	213	243	273	303	336
-72.5°	58	74	89	104	124	146	169	194	221	246	271
-75°	45	55	68	82	95	109	125	145	170	195	217
-77.5°	34	42	51	60	69	79	91	103	123	146	170
-80°	24	29	36	44	50	56	62	68	83	102	121
-82.5°	18	21	25	30	33	36	39	43	54	67	80
-85°	12	13	16	18	20	21	23	25	31	38	45
-87.5°	11	11	12	12	13	13	13	13	15	17	19
-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°	12	13	14	14	15	16	17	17	18	18	18
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°	1	2	2	1	1	0	0	0	0	0	0
65°	3	3	2	1	1	1	2	2	2	2	2
62.5°	5	4	4	5	5	6	6	6	5	5	5
60°	18	12	14	17	16	11	18	20	17	12	12
57.5°	45	43	50	72	80	73	87	105	105	90	90
55°	96	128	168	174	201	256	299	280	280	294	340
52.5°	181	212	224	254	312	353	380	408	438	469	500
50°	266	296	330	362	441	484	477	534	607	653	677
47.5°	391	438	510	622	681	724	777	842	926	1040	1128
45°	537	611	722	842	934	976	1037	1137	1271	1402	1497
42.5°	657	759	884	998	1073	1142	1221	1305	1459	1598	1708
40°	813	892	1033	1140	1208	1276	1401	1528	1672	1802	1892
37.5°	1011	1100	1246	1368	1433	1457	1669	1846	1963	2129	2183
35°	1224	1370	1557	1714	1778	1904	2123	2370	2637	2735	2819
32.5°	1461	1642	1895	2064	2154	2346	2624	2887	3236	3426	3482
30°	1678	1886	2103	2268	2422	2653	2906	3231	3553	3796	3871
27.5°	1837	2067	2276	2430	2605	2854	3169	3497	3815	4062	4150
25°	1989	2249	2414	2594	2798	3070	3419	3784	4097	4306	4413
22.5°	2162	2418	2596	2748	3015	3328	3653	4065	4396	4563	4680
20°	2341	2630	2905	3046	3278	3674	4037	4426	4746	4920	5043
17.5°	2590	2959	3295	3495	3744	4217	4670	5064	5509	5666	5816
15°	2852	3280	3674	3991	4311	4781	5364	5839	6346	6573	6829
12.5°	3114	3519	3876	4284	4736	5151	5706	6298	6759	7047	7220
10°	3310	3685	4029	4439	4890	5359	5911	6518	6999	7246	7387
7.5°	3415	3775	4137	4553	5001	5502	6070	6672	7165	7403	7542
5°	3494	3839	4214	4651	5105	5612	6180	6775	7224	7478	7654
2.5°	3541	3880	4263	4715	5170	5699	6294	6910	7303	7507	7669
0°	3555	3896	4291	4749	5216	5748	6338	6948	7346	7544	7708
-2.5°	3570	3922	4327	4771	5233	5765	6366	6961	7319	7518	7675
-5°	3560	3924	4328	4753	5218	5745	6323	6879	7254	7469	7625
-7.5°	3527	3897	4297	4705	5162	5695	6270	6805	7185	7412	7582
-10°	3480	3839	4242	4655	5107	5614	6180	6713	7076	7317	7516
-12.5°	3429	3780	4168	4564	5011	5512	6061	6565	6926	7189	7331
-15°	3352	3702	4074	4457	4892	5378	5903	6386	6741	6955	7111
-17.5°	3254	3598	3950	4314	4724	5202	5730	6206	6495	6687	6841
-20°	3149	3467	3801	4144	4541	5015	5533	5949	6222	6405	6551



REPORT NUMBER: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3029	3336	3641	3969	4359	4793	5251	5653	5946	6113	6247
-25°	2892	3190	3480	3797	4155	4546	4971	5366	5629	5806	5940
-27.5°	2745	3025	3308	3593	3915	4304	4698	5065	5289	5468	5602
-30°	2598	2850	3112	3381	3684	4035	4403	4712	4948	5122	5246
-32.5°	2439	2678	2910	3162	3446	3756	4079	4373	4625	4784	4889
-35°	2276	2507	2720	2948	3199	3466	3764	4054	4303	4429	4532
-37.5°	2106	2336	2538	2729	2945	3192	3483	3759	3974	4083	4175
-40°	1958	2161	2342	2525	2701	2920	3192	3459	3632	3737	3823
-42.5°	1814	1986	2134	2298	2474	2690	2909	3134	3272	3390	3480
-45°	1647	1801	1940	2076	2236	2434	2633	2813	2943	3056	3144
-47.5°	1463	1611	1746	1867	2017	2181	2349	2498	2627	2739	2817
-50°	1290	1423	1555	1678	1807	1940	2076	2207	2329	2438	2505
-52.5°	1136	1258	1373	1481	1594	1707	1819	1940	2052	2155	2208
-55°	997	1106	1211	1301	1392	1481	1578	1689	1792	1887	1926
-57.5°	871	965	1057	1134	1208	1279	1364	1458	1548	1630	1661
-60°	756	831	908	976	1040	1101	1175	1251	1324	1386	1412
-62.5°	650	714	772	828	882	937	997	1056	1116	1163	1187
-65°	548	599	646	691	735	781	828	873	917	951	972
-67.5°	452	490	528	563	600	637	674	709	742	768	788
-70°	367	397	426	455	486	515	543	569	593	612	627
-72.5°	296	320	345	372	396	418	438	457	475	486	494
-75°	238	259	281	302	323	339	354	368	381	382	379
-77.5°	193	211	228	245	261	271	280	289	299	293	285
-80°	141	157	171	185	200	206	210	214	217	210	201
-82.5°	94	103	113	122	132	136	139	141	143	137	129
-85°	52	57	61	66	71	73	76	78	80	76	72
-87.5°	22	23	24	25	26	27	28	29	29	30	30
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P626980 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	18	18	18	18	18	18	18	18	18	18	17
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	1	2	2	2	2
62.5°	5	6	6	6	6	6	5	5	5	5	6
60°	11	9	9	9	9	9	11	12	12	17	20
57.5°	83	71	73	81	73	71	83	90	90	105	105
55°	388	433	449	440	449	433	388	340	294	280	280
52.5°	525	544	551	551	551	544	525	500	469	438	408
50°	684	678	668	658	668	678	684	677	653	607	534
47.5°	1141	1121	1113	1128	1113	1121	1141	1128	1040	926	842
45°	1516	1540	1557	1556	1557	1540	1516	1497	1402	1271	1137
42.5°	1730	1742	1746	1742	1746	1742	1730	1708	1598	1459	1305
40°	1921	1935	1944	1951	1944	1935	1921	1892	1802	1672	1528
37.5°	2201	2207	2195	2187	2195	2207	2201	2183	2129	1963	1846
35°	2890	2904	2871	2906	2871	2904	2890	2819	2735	2637	2370
32.5°	3550	3616	3669	3714	3669	3616	3550	3482	3426	3236	2887
30°	3924	3966	3989	3995	3989	3966	3924	3871	3796	3553	3231
27.5°	4198	4243	4271	4291	4271	4243	4198	4150	4062	3815	3497
25°	4463	4504	4531	4542	4531	4504	4463	4413	4306	4097	3784
22.5°	4737	4766	4793	4806	4793	4766	4737	4680	4563	4396	4065
20°	5131	5116	5140	5132	5140	5116	5131	5043	4920	4746	4426
17.5°	5933	5942	5958	5985	5958	5942	5933	5816	5666	5509	5064
15°	6942	6962	7066	7158	7066	6962	6942	6829	6573	6346	5839
12.5°	7380	7450	7461	7487	7461	7450	7380	7220	7047	6759	6298
10°	7526	7647	7645	7675	7645	7647	7526	7387	7246	6999	6518
7.5°	7636	7767	7822	7846	7822	7767	7636	7542	7403	7165	6672
5°	7772	7844	7939	7912	7939	7844	7772	7654	7478	7224	6775
2.5°	7829	7941	7915	7942	7915	7941	7829	7669	7507	7303	6910
0°	7867	7948	7960	7987	7960	7948	7867	7708	7544	7346	6948
-2.5°	7820	7891	8016	7978	8016	7891	7820	7675	7518	7319	6961
-5°	7780	7955	7887	7972	7887	7955	7780	7625	7469	7254	6879
-7.5°	7759	7790	7835	7900	7835	7790	7759	7582	7412	7185	6805
-10°	7596	7628	7711	7756	7711	7628	7596	7516	7317	7076	6713
-12.5°	7420	7482	7569	7598	7569	7482	7420	7331	7189	6926	6565
-15°	7217	7309	7394	7412	7394	7309	7217	7111	6955	6741	6386
-17.5°	6959	7070	7159	7179	7159	7070	6959	6841	6687	6495	6206
-20°	6675	6781	6856	6879	6856	6781	6675	6551	6405	6222	5949

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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°	6371	6466	6530	6520	6530	6466	6371	6247	6113	5946	5653
-25°	6047	6136	6197	6188	6197	6136	6047	5940	5806	5629	5366
-27.5°	5706	5789	5848	5850	5848	5789	5706	5602	5468	5289	5065
-30°	5347	5423	5470	5452	5470	5423	5347	5246	5122	4948	4712
-32.5°	4976	5045	5089	5102	5089	5045	4976	4889	4784	4625	4373
-35°	4611	4672	4710	4719	4710	4672	4611	4532	4429	4303	4054
-37.5°	4248	4301	4327	4315	4327	4301	4248	4175	4083	3974	3759
-40°	3890	3939	3970	3977	3970	3939	3890	3823	3737	3632	3459
-42.5°	3537	3578	3605	3618	3605	3578	3537	3480	3390	3272	3134
-45°	3195	3232	3257	3271	3257	3232	3195	3144	3056	2943	2813
-47.5°	2862	2894	2916	2926	2916	2894	2862	2817	2739	2627	2498
-50°	2544	2572	2592	2603	2592	2572	2544	2505	2438	2329	2207
-52.5°	2242	2266	2283	2292	2283	2266	2242	2208	2155	2052	1940
-55°	1954	1973	1989	1999	1989	1973	1954	1926	1887	1792	1689
-57.5°	1685	1701	1716	1727	1716	1701	1685	1661	1630	1548	1458
-60°	1433	1448	1461	1469	1461	1448	1433	1412	1386	1324	1251
-62.5°	1206	1220	1231	1239	1231	1220	1206	1187	1163	1116	1056
-65°	988	1000	1009	1014	1009	1000	988	972	951	917	873
-67.5°	805	819	822	820	822	819	805	788	768	742	709
-70°	641	653	656	655	656	653	641	627	612	593	569
-72.5°	501	508	502	494	502	508	501	494	486	475	457
-75°	376	372	366	359	366	372	376	379	382	381	368
-77.5°	275	265	259	251	259	265	275	285	293	299	289
-80°	192	182	175	168	175	182	192	201	210	217	214
-82.5°	121	113	109	105	109	113	121	129	137	143	141
-85°	67	63	60	57	60	63	67	72	76	80	78
-87.5°	30	30	28	27	28	30	30	30	30	29	29
-90°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17	16	15	14	14	13	12	11	11	10	9
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	1	1	2	2	1	2	2	2	2
65°	2	1	1	1	2	3	3	3	3	3	4
62.5°	6	6	5	5	4	4	5	5	4	4	5
60°	18	11	16	17	14	12	18	17	9	8	7
57.5°	87	73	80	72	50	43	45	43	39	24	10
55°	299	256	201	174	168	128	96	80	72	52	35
52.5°	380	353	312	254	224	212	181	145	115	92	66
50°	477	484	441	362	330	296	266	224	187	150	110
47.5°	777	724	681	622	510	438	391	322	270	225	177
45°	1037	976	934	842	722	611	537	451	359	299	255
42.5°	1221	1142	1073	998	884	759	657	572	475	378	320
40°	1401	1276	1208	1140	1033	892	813	688	587	480	400
37.5°	1669	1457	1433	1368	1246	1100	1011	887	701	599	508
35°	2123	1904	1778	1714	1557	1370	1224	1108	923	723	618
32.5°	2624	2346	2154	2064	1895	1642	1461	1314	1128	902	733
30°	2906	2653	2422	2268	2103	1886	1678	1471	1269	1082	858
27.5°	3169	2854	2605	2430	2276	2067	1837	1615	1393	1208	1008
25°	3419	3070	2798	2594	2414	2249	1989	1746	1515	1311	1155
22.5°	3653	3328	3015	2748	2596	2418	2162	1868	1642	1470	1286
20°	4037	3674	3278	3046	2905	2630	2341	2050	1842	1646	1429
17.5°	4670	4217	3744	3495	3295	2959	2590	2301	2042	1823	1585
15°	5364	4781	4311	3991	3674	3280	2852	2541	2246	2000	1727
12.5°	5706	5151	4736	4284	3876	3519	3114	2770	2436	2115	1816
10°	5911	5359	4890	4439	4029	3685	3310	2903	2531	2191	1890
7.5°	6070	5502	5001	4553	4137	3775	3415	2988	2607	2253	1949
5°	6180	5612	5105	4651	4214	3839	3494	3054	2664	2300	1994
2.5°	6294	5699	5170	4715	4263	3880	3541	3103	2710	2335	2031
0°	6338	5748	5216	4749	4291	3896	3555	3136	2741	2355	2056
-2.5°	6366	5765	5233	4771	4327	3922	3570	3173	2751	2377	2063
-5°	6323	5745	5218	4753	4328	3924	3560	3178	2748	2383	2057
-7.5°	6270	5695	5162	4705	4297	3897	3527	3154	2739	2373	2047
-10°	6180	5614	5107	4655	4242	3839	3480	3109	2708	2346	2023
-12.5°	6061	5512	5011	4564	4168	3780	3429	3047	2656	2301	1986
-15°	5903	5378	4892	4457	4074	3702	3352	2978	2605	2245	1934
-17.5°	5730	5202	4724	4314	3950	3598	3254	2905	2547	2193	1888
-20°	5533	5015	4541	4144	3801	3467	3149	2824	2465	2132	1839

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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°	5251	4793	4359	3969	3641	3336	3029	2715	2360	2057	1772
-25°	4971	4546	4155	3797	3480	3190	2892	2581	2266	1969	1691
-27.5°	4698	4304	3915	3593	3308	3025	2745	2451	2160	1869	1615
-30°	4403	4035	3684	3381	3112	2850	2598	2323	2037	1761	1533
-32.5°	4079	3756	3446	3162	2910	2678	2439	2178	1896	1660	1437
-35°	3764	3466	3199	2948	2720	2507	2276	2015	1767	1546	1330
-37.5°	3483	3192	2945	2729	2538	2336	2106	1874	1641	1418	1230
-40°	3192	2920	2701	2525	2342	2161	1958	1743	1513	1295	1132
-42.5°	2909	2690	2474	2298	2134	1986	1814	1597	1386	1197	1040
-45°	2633	2434	2236	2076	1940	1801	1647	1450	1260	1098	950
-47.5°	2349	2181	2017	1867	1746	1611	1463	1295	1140	993	862
-50°	2076	1940	1807	1678	1555	1423	1290	1155	1017	889	770
-52.5°	1819	1707	1594	1481	1373	1258	1136	1016	894	787	681
-55°	1578	1481	1392	1301	1211	1106	997	888	791	693	606
-57.5°	1364	1279	1208	1134	1057	965	871	780	699	618	538
-60°	1175	1101	1040	976	908	831	756	684	614	548	478
-62.5°	997	937	882	828	772	714	650	592	537	482	419
-65°	828	781	735	691	646	599	548	502	457	412	358
-67.5°	674	637	600	563	528	490	452	413	377	340	297
-70°	543	515	486	455	426	397	367	336	303	273	243
-72.5°	438	418	396	372	345	320	296	271	246	221	194
-75°	354	339	323	302	281	259	238	217	195	170	145
-77.5°	280	271	261	245	228	211	193	170	146	123	103
-80°	210	206	200	185	171	157	141	121	102	83	68
-82.5°	139	136	132	122	113	103	94	80	67	54	43
-85°	76	73	71	66	61	57	52	45	38	31	25
-87.5°	28	27	26	25	24	23	22	19	17	15	13
-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°	9	9	9	9	9	9	9	9	8	8	7
87.5°	0	0	0	0	0	0	0	0	0	1	2
85°	0	0	0	0	0	0	0	0	0	0	1
82.5°	0	0	0	0	0	1	1	1	0	0	0
80°	0	0	0	0	1	2	2	2	2	1	1
77.5°	0	0	0	0	0	1	2	3	3	2	1
75°	0	0	0	0	0	0	1	2	2	3	2
72.5°	0	0	0	0	1	1	0	1	2	3	3
70°	0	0	0	0	1	2	2	1	1	2	3
67.5°	1	2	1	1	1	2	3	3	2	2	3
65°	3	3	3	3	2	2	3	4	3	3	3
62.5°	5	5	5	4	4	3	3	4	5	4	3
60°	7	7	7	6	6	5	4	5	5	5	4
57.5°	9	9	9	8	7	6	6	6	6	6	5
55°	16	11	12	11	9	8	8	7	7	7	6
52.5°	42	23	15	14	12	10	9	9	8	8	7
50°	77	50	28	18	15	13	11	10	10	9	8
47.5°	123	85	56	28	19	16	13	12	11	10	9
45°	189	126	87	55	26	22	16	13	12	11	9
42.5°	263	185	122	83	49	31	20	16	13	12	10
40°	336	255	164	115	75	41	28	19	15	13	11
37.5°	416	330	230	149	100	63	39	22	16	15	12
35°	516	413	296	198	133	83	50	28	20	16	14
32.5°	615	495	368	255	167	101	66	39	25	17	15
30°	715	571	435	308	206	131	82	51	30	19	16
27.5°	805	642	498	364	252	162	99	62	35	21	17
25°	906	720	560	417	294	195	117	73	44	25	18
22.5°	1037	799	617	465	335	226	139	87	53	30	19
20°	1167	877	673	525	380	261	166	102	61	35	20
17.5°	1294	976	755	587	429	294	190	116	69	40	22
15°	1409	1090	835	645	476	324	213	129	77	44	23
12.5°	1505	1188	911	700	521	352	233	143	84	50	25
10°	1584	1271	981	750	565	377	252	156	92	56	27
7.5°	1648	1339	1045	796	604	401	272	170	100	61	30
5°	1695	1393	1094	828	635	422	290	182	107	66	32
2.5°	1726	1432	1130	854	660	440	306	194	114	71	34
0°	1744	1460	1158	874	679	455	320	203	120	75	36
-2.5°	1761	1479	1182	908	693	479	329	212	129	78	40
-5°	1766	1487	1198	935	701	498	335	220	137	80	43
-7.5°	1757	1482	1203	950	704	512	339	225	144	82	46
-10°	1737	1466	1196	945	709	516	341	230	149	83	48
-12.5°	1707	1442	1180	935	708	514	346	233	152	84	50
-15°	1668	1410	1156	920	700	507	348	234	151	86	51
-17.5°	1621	1372	1124	901	683	498	345	233	150	89	52
-20°	1575	1329	1086	879	658	486	337	228	147	90	53

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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1521	1280	1053	848	631	471	324	221	143	91	54
-25°	1458	1223	1013	805	610	455	310	211	138	91	54
-27.5°	1388	1161	967	758	588	432	297	203	134	90	53
-30°	1309	1104	911	713	561	407	280	195	132	88	51
-32.5°	1224	1039	850	679	530	381	266	185	129	86	51
-35°	1145	968	789	639	497	366	256	174	124	83	52
-37.5°	1059	894	741	598	463	349	248	170	118	79	51
-40°	977	824	684	558	437	329	235	164	112	74	51
-42.5°	894	758	631	516	413	310	219	156	107	72	50
-45°	818	690	573	478	386	285	206	146	102	70	49
-47.5°	738	621	521	437	352	259	191	138	95	67	48
-50°	655	555	472	392	309	236	174	128	92	65	47
-52.5°	582	497	422	346	277	210	161	118	89	63	45
-55°	520	443	373	308	246	191	146	113	85	61	43
-57.5°	465	392	333	274	220	173	136	107	81	59	41
-60°	411	351	296	244	196	157	128	100	76	55	39
-62.5°	361	309	261	214	175	144	119	93	70	50	37
-65°	309	264	224	187	155	129	107	84	62	45	33
-67.5°	255	222	191	160	134	112	93	72	53	38	29
-70°	213	184	157	133	111	93	76	58	43	33	25
-72.5°	169	146	124	104	89	74	58	45	35	27	20
-75°	125	109	95	82	68	55	45	35	28	21	17
-77.5°	91	79	69	60	51	42	34	26	21	18	14
-80°	62	56	50	44	36	29	24	20	17	14	12
-82.5°	39	36	33	30	25	21	18	15	13	11	9
-85°	23	21	20	18	16	13	12	12	11	10	9
-87.5°	13	13	13	12	12	11	11	10	9	9	8
-90°	0	0	0	0	0	0	0	0	1	1	2

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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6	5	5	4	3	3	3
87.5°	2	3	3	3	3	3	3
85°	1	2	2	3	3	3	3
82.5°	1	2	2	3	3	3	3
80°	0	1	2	3	3	3	3
77.5°	1	1	2	3	3	3	3
75°	2	1	2	2	3	3	3
72.5°	2	2	2	2	3	3	3
70°	3	2	2	2	3	3	3
67.5°	3	3	2	3	3	3	3
65°	3	3	3	3	3	3	3
62.5°	3	3	3	3	3	3	3
60°	4	4	3	3	3	3	3
57.5°	4	4	3	3	3	3	3
55°	5	4	4	3	3	3	3
52.5°	6	5	4	3	3	3	3
50°	7	5	4	3	3	3	3
47.5°	7	6	5	3	3	3	3
45°	8	6	5	3	3	3	3
42.5°	9	7	5	4	3	3	3
40°	9	8	6	4	4	3	3
37.5°	10	8	6	4	4	3	3
35°	11	9	7	5	4	3	3
32.5°	11	9	7	5	4	3	3
30°	12	10	7	6	4	3	3
27.5°	13	10	8	6	4	3	3
25°	14	10	8	6	4	3	3
22.5°	15	11	9	7	5	3	3
20°	16	11	9	7	5	3	3
17.5°	17	12	10	7	5	3	3
15°	17	13	10	8	5	3	3
12.5°	18	13	10	8	5	3	3
10°	19	13	11	8	5	3	3
7.5°	19	14	11	8	6	3	3
5°	20	14	11	9	6	3	3
2.5°	20	15	12	9	6	3	3
0°	21	15	12	9	6	3	3
-2.5°	22	15	12	9	6	3	3
-5°	23	16	12	9	6	3	3
-7.5°	24	16	13	9	6	3	3
-10°	25	16	13	9	6	3	3
-12.5°	25	16	13	9	6	3	3
-15°	26	16	13	9	6	3	3
-17.5°	26	17	13	9	6	3	3
-20°	27	17	13	8	6	3	3

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CATALOG NUMBER: GFLD-SA2D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28	17	13	8	6	3	3
-25°	30	18	12	8	5	3	3
-27.5°	31	19	12	8	5	3	3
-30°	32	20	12	8	5	3	3
-32.5°	32	21	12	8	5	3	3
-35°	33	22	13	7	5	3	3
-37.5°	34	23	13	7	5	3	3
-40°	34	23	13	7	5	3	3
-42.5°	34	23	13	7	4	3	3
-45°	34	23	13	7	4	3	3
-47.5°	34	22	13	7	4	3	3
-50°	33	22	13	7	4	3	3
-52.5°	32	21	12	7	4	3	3
-55°	31	20	12	6	3	3	3
-57.5°	30	19	11	6	3	3	3
-60°	28	18	10	6	3	3	3
-62.5°	26	16	10	6	3	3	3
-65°	23	15	9	5	3	3	3
-67.5°	20	13	8	5	3	3	3
-70°	17	12	8	4	3	3	3
-72.5°	15	11	7	4	3	3	3
-75°	13	9	6	4	3	3	3
-77.5°	11	8	6	4	3	3	3
-80°	9	7	5	4	3	3	3
-82.5°	8	7	5	4	3	3	3
-85°	8	6	5	4	3	3	3
-87.5°	7	6	5	4	3	3	3
-90°	3	3	3	3	3	3	3

(END OF REPORT)