

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: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-722-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627666 (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-SA5D-722-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

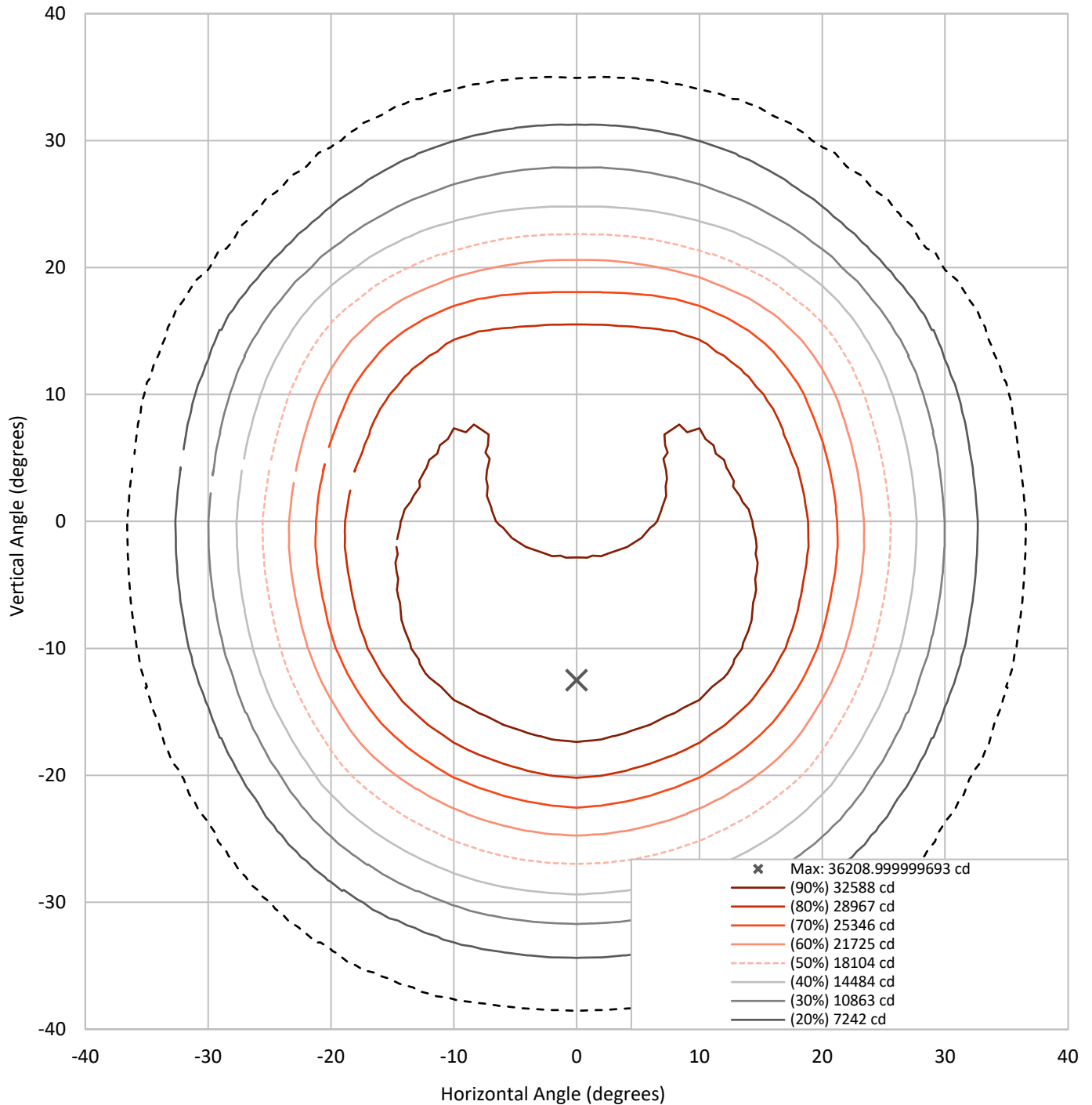
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	25845.3 lumens	Max Intensity:	36209 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	95.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	17311.1 lumens	Field Lumens:	23308 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.2%
Input Watts (W):	271.3		
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: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





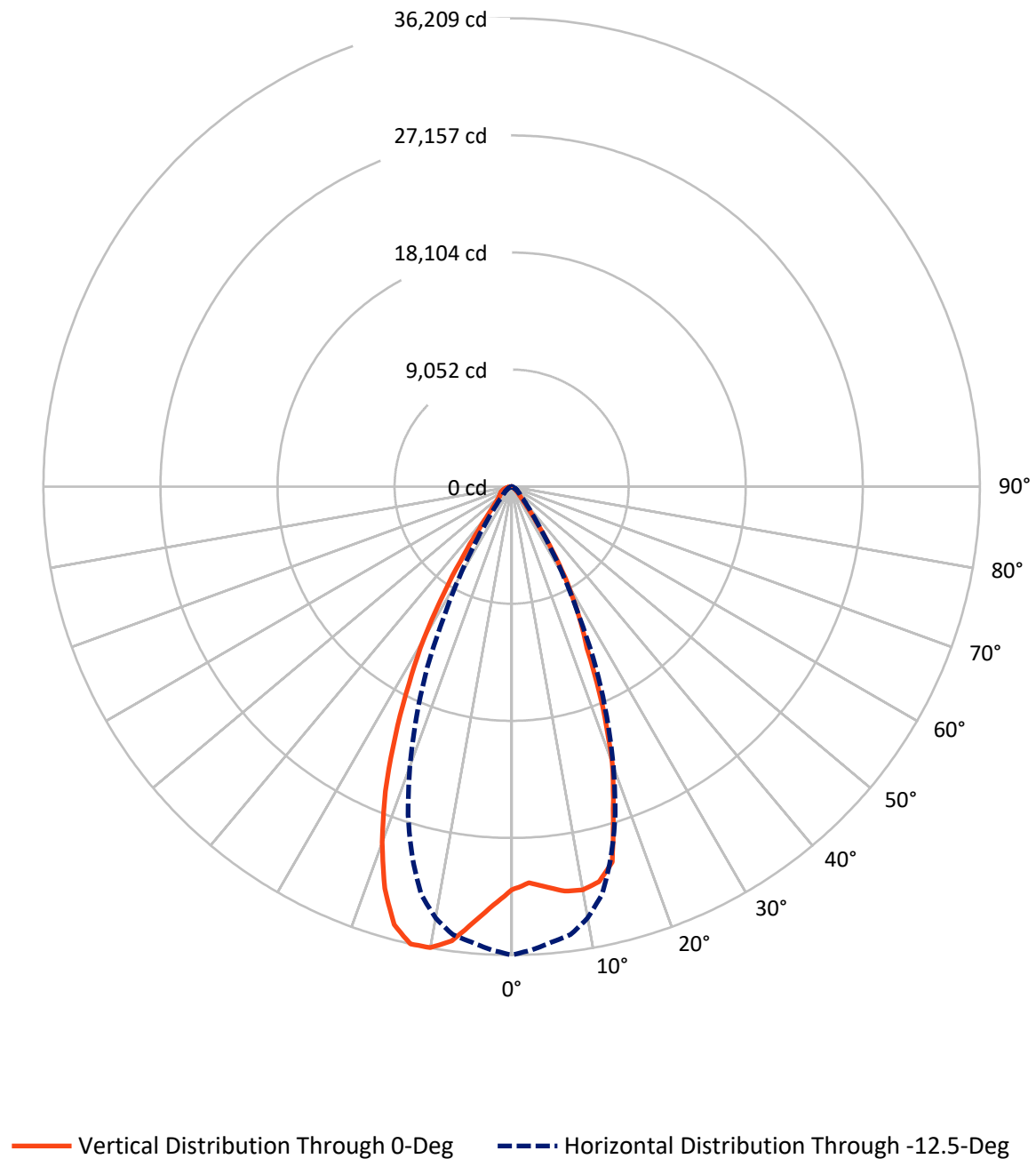
REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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				
70																			
60	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1				
50		0.1	0.2	0.8	2.1	3.6	4.9	5.7	5.7	4.9	3.6	2.1	0.8	0.2		0.1			
40	0.1	0.1	1.0	3.7	7.3	11.9	17.7	21.7	21.7	17.7	11.9	7.3	3.7	1.0	0.1				
30		0.5	2.9	7.5	15.5	33.6	76.3	116.5	116.5	76.3	33.6	15.5	7.5	2.9	0.5				
20	0.3	1.0	4.8	12.1	32.4	120.2	309.4	432.4	432.4	309.4	120.2	32.4	12.1	4.8	1.0				
10		1.7	6.7	18.7	77.2	333.6	696.0	861.8	861.8	696.0	333.6	77.2	18.7	6.7	1.7				
0	0.5	2.3	8.3	24.1	122.9	491.3	897.4	972.9	972.9	897.4	491.3	122.9	24.1	8.3	2.3				
-10		2.6	9.2	25.8	128.6	507.4	929.7	1032.6	1032.6	929.7	507.4	128.6	25.8	9.2	2.6				
-20	0.7	2.8	9.3	23.4	92.0	377.8	784.3	1001.5	1001.5	784.3	377.8	92.0	23.4	9.3	2.8				
-30		2.7	8.9	19.5	51.4	183.3	437.0	615.0	615.0	437.0	183.3	51.4	19.5	8.9	2.7				
-40	0.7	2.4	7.9	16.2	30.7	65.3	136.6	202.6	202.6	136.6	65.3	30.7	16.2	7.9	2.4				
-50		2.0	6.7	13.5	22.4	33.1	46.6	55.2	55.2	46.6	33.1	22.4	13.5	6.7	2.0				
-60	0.5	1.5	5.0	10.6	17.6	24.4	30.4	33.3	33.3	30.4	24.4	17.6	10.6	5.0	1.5				
-70		1.0	3.2	7.2	12.4	17.4	22.1	24.7	24.7	22.1	17.4	12.4	7.2	3.2	1.0				
-80	0.2	2.9	13.0	27.7	35.5	27.7	13.0	2.9	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

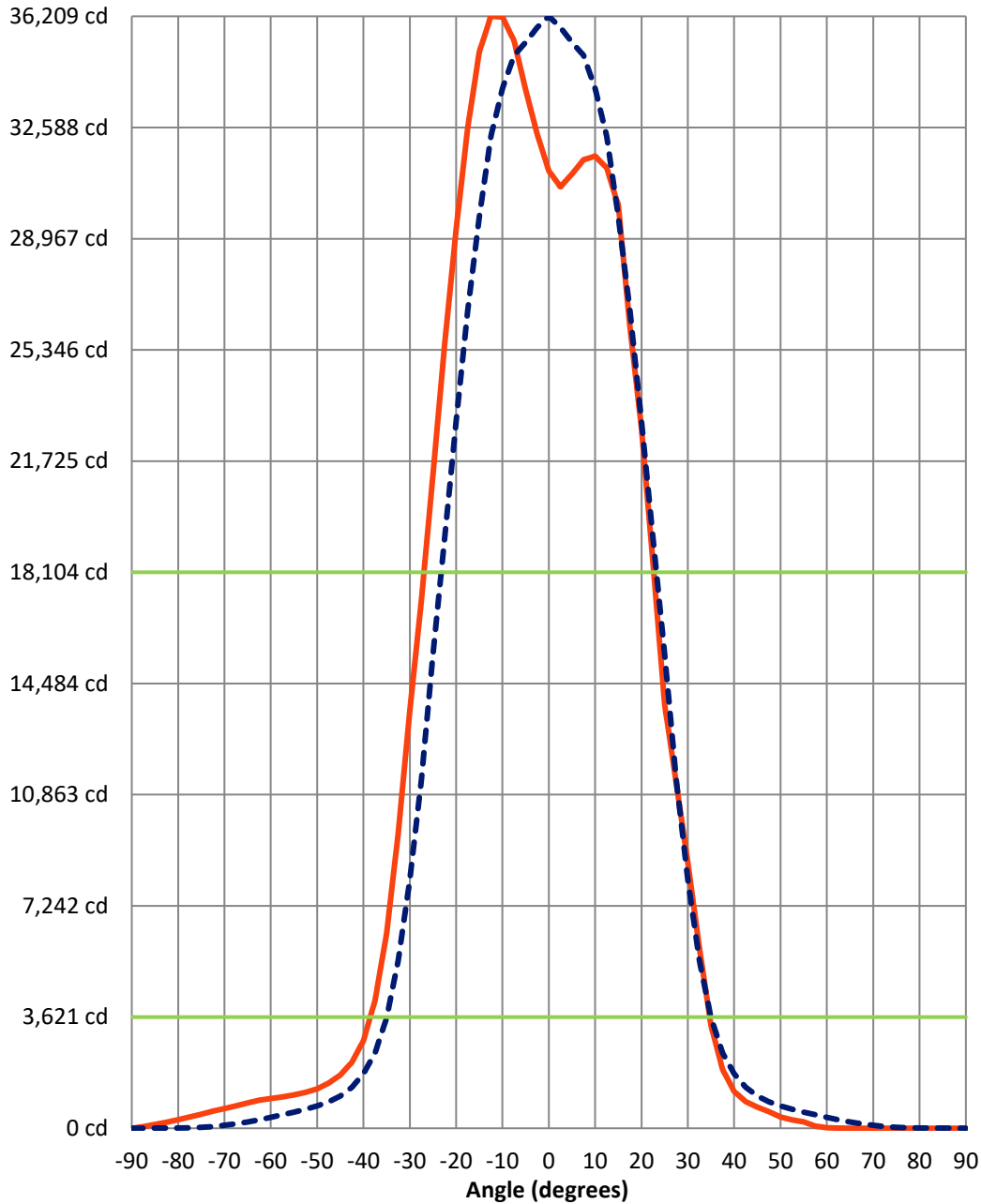
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 17311.1
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 23308
 Efficiency: 90.2%

Spill:
 Lumens: 2537.4
 Efficiency: 9.8%

- 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	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	2	2
62.5°	0	0	0	2	3	2	1	1	3	3	4
60°	0	0	0	2	4	2	1	3	4	4	5
57.5°	0	0	0	3	4	3	2	4	5	5	6
55°	0	0	1	4	4	3	3	6	5	6	6
52.5°	0	0	1	4	4	3	4	6	6	6	6
50°	0	0	2	5	4	4	5	6	6	6	7
47.5°	0	0	2	6	4	4	6	7	6	6	8
45°	0	0	2	6	5	5	6	7	6	7	10
42.5°	0	0	3	6	5	5	7	8	7	9	12
40°	0	0	3	6	5	6	8	8	8	11	14
37.5°	0	0	3	6	5	6	8	8	10	13	16
35°	0	0	4	6	6	6	9	9	12	17	22
32.5°	0	0	4	6	6	7	10	9	14	21	35
30°	0	0	4	6	6	8	10	10	16	26	48
27.5°	0	0	5	6	6	8	11	12	20	32	59
25°	0	0	5	6	6	9	11	14	24	40	69
22.5°	0	0	5	6	6	10	11	16	29	49	81
20°	0	0	5	6	6	10	12	18	34	57	94
17.5°	0	0	5	6	6	10	12	19	39	64	107
15°	0	0	5	6	6	11	13	22	44	70	120
12.5°	0	0	6	6	6	11	14	26	49	76	133
10°	0	0	6	6	6	11	14	31	53	85	144
7.5°	0	0	6	6	6	12	15	35	57	96	154
5°	0	0	6	6	6	12	16	39	60	106	162
2.5°	0	0	6	6	6	12	17	44	63	116	168
0°	0	0	6	6	6	12	18	47	65	125	172
-2.5°	0	0	6	6	6	13	21	49	74	130	181
-5°	0	0	6	6	7	13	24	51	82	135	189
-7.5°	0	0	6	6	7	14	27	52	88	139	196
-10°	0	1	6	6	8	14	29	53	94	143	201
-12.5°	0	1	6	6	8	14	31	53	98	146	205
-15°	0	1	6	6	9	15	32	54	100	147	207
-17.5°	0	1	6	6	9	15	33	56	99	148	207
-20°	0	1	5	6	9	15	34	58	98	147	204

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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	5	6	9	15	34	59	96	145	199
-25°	0	1	5	6	9	16	34	60	94	142	192
-27.5°	0	1	5	6	9	17	34	60	92	138	187
-30°	0	1	5	6	9	18	33	59	91	134	181
-32.5°	0	1	5	6	9	19	32	58	90	130	174
-35°	0	1	5	6	9	19	32	56	87	126	166
-37.5°	0	1	5	6	10	20	33	55	83	122	163
-40°	0	1	5	6	10	20	33	52	78	117	160
-42.5°	0	1	5	6	10	20	32	50	74	111	155
-45°	0	1	5	6	10	20	32	48	71	104	148
-47.5°	0	1	5	7	11	19	31	47	68	96	139
-50°	0	1	5	7	11	19	30	45	64	92	128
-52.5°	0	1	5	7	11	18	29	42	62	87	117
-55°	0	1	5	7	11	18	28	40	59	81	110
-57.5°	0	1	5	7	11	17	26	38	55	76	102
-60°	0	1	5	7	10	16	25	36	51	71	94
-62.5°	0	1	5	7	10	15	23	34	47	65	86
-65°	0	1	5	7	10	14	21	31	43	59	78
-67.5°	0	1	4	7	10	13	19	28	38	52	69
-70°	0	1	4	7	9	13	17	25	34	45	59
-72.5°	0	1	3	6	9	12	16	21	29	38	49
-75°	0	1	3	6	9	11	15	19	24	31	40
-77.5°	0	1	2	5	8	11	13	17	21	25	31
-80°	0	1	2	4	6	9	12	15	18	21	26
-82.5°	0	0	2	3	5	7	9	12	15	18	21
-85°	0	0	1	2	3	4	6	8	10	12	15
-87.5°	0	0	1	1	2	2	3	4	5	6	8
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	2	0	1	2	2	0	0	0
62.5°	5	5	3	2	3	4	3	2	1	1	2
60°	6	5	4	5	6	5	4	4	5	6	14
57.5°	6	5	5	6	7	6	7	8	21	35	39
55°	6	6	7	8	9	10	16	33	50	61	66
52.5°	7	7	9	11	14	22	41	60	76	89	104
50°	8	10	12	16	26	46	69	91	111	130	153
47.5°	10	12	18	26	48	74	102	129	153	180	212
45°	12	19	25	46	73	106	140	171	196	227	256
42.5°	15	29	43	65	104	143	182	207	235	269	307
40°	25	41	62	96	137	184	218	245	275	322	369
37.5°	36	57	83	126	176	222	255	288	331	385	441
35°	50	73	110	159	214	256	293	334	394	456	522
32.5°	63	88	137	192	245	290	331	392	454	523	614
30°	76	110	164	224	273	320	378	446	508	592	698
27.5°	90	133	191	250	300	349	426	491	562	658	786
25°	106	157	217	274	326	388	472	542	614	736	908
22.5°	124	180	242	296	350	428	518	605	700	822	1034
20°	144	202	264	322	374	467	568	674	803	973	1251
17.5°	162	222	286	348	413	509	621	747	908	1119	1527
15°	178	239	307	375	451	552	675	830	1024	1287	1794
12.5°	193	255	327	400	484	590	722	891	1120	1498	2136
10°	207	269	346	425	513	624	763	942	1198	1649	2391
7.5°	218	284	364	449	539	654	798	984	1267	1768	2590
5°	228	301	380	467	557	678	827	1016	1325	1855	2744
2.5°	236	318	393	481	571	698	850	1046	1381	1927	2874
0°	243	332	404	493	582	712	867	1069	1425	1977	2974
-2.5°	252	340	418	502	598	723	875	1085	1439	1984	2954
-5°	259	345	429	509	611	729	877	1091	1437	1968	2893
-7.5°	264	349	438	515	619	732	878	1087	1422	1936	2795
-10°	269	352	441	521	621	731	873	1074	1388	1872	2646
-12.5°	275	356	441	524	620	727	862	1050	1335	1776	2454
-15°	278	358	441	524	617	719	843	1016	1264	1648	2217
-17.5°	280	358	439	519	612	708	818	976	1199	1536	2048
-20°	280	357	436	511	605	696	801	945	1144	1429	1841

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CATALOG NUMBER: GFLD-SA5D-722-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°	277	355	433	503	593	683	782	907	1075	1308	1641
-25°	271	350	427	499	580	668	756	866	1012	1219	1496
-27.5°	262	343	418	491	566	651	734	834	961	1121	1342
-30°	249	333	407	481	554	633	713	797	909	1048	1226
-32.5°	236	322	394	466	539	615	690	769	864	979	1118
-35°	227	308	381	449	521	595	667	740	818	921	1040
-37.5°	222	293	368	432	500	571	641	711	783	864	972
-40°	214	278	352	416	478	547	615	680	748	828	911
-42.5°	205	267	335	401	459	523	587	650	718	792	870
-45°	197	255	319	380	439	499	561	620	686	756	828
-47.5°	185	240	302	356	414	474	533	592	650	716	785
-50°	172	224	280	332	384	443	503	562	619	675	735
-52.5°	158	205	258	309	357	406	467	528	584	640	693
-55°	143	186	235	285	332	376	429	490	546	600	655
-57.5°	131	168	212	259	306	351	400	452	507	559	613
-60°	121	150	188	232	279	323	370	418	469	519	567
-62.5°	109	135	166	202	246	291	335	380	428	470	514
-65°	99	120	145	176	210	251	293	337	380	418	455
-67.5°	87	106	126	150	180	213	248	287	327	364	399
-70°	75	91	109	129	151	179	210	242	273	306	340
-72.5°	63	77	92	108	128	151	176	201	229	257	286
-75°	51	63	76	90	106	125	145	167	189	212	236
-77.5°	40	50	61	71	84	99	115	132	150	168	186
-80°	31	38	46	55	65	75	87	98	112	126	142
-82.5°	25	29	35	40	47	54	61	70	80	91	102
-85°	18	21	24	27	31	35	40	44	51	58	65
-87.5°	9	10	12	14	15	17	19	21	24	27	31
-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°	2	2	2	2	1	1	3	4	4	4	5
60°	16	11	15	19	19	14	21	24	22	18	18
57.5°	41	45	51	60	66	70	76	82	86	89	92
55°	76	91	107	115	128	147	164	166	169	173	183
52.5°	122	140	148	162	187	203	211	225	240	254	267
50°	177	192	210	233	257	273	278	302	332	356	370
47.5°	233	253	285	325	346	364	389	420	453	488	515
45°	285	321	362	398	426	456	489	528	580	628	665
42.5°	343	384	426	468	498	549	607	653	727	791	832
40°	412	452	513	563	626	690	791	883	977	1085	1164
37.5°	494	557	641	723	816	911	1090	1274	1424	1634	1751
35°	594	690	810	932	1080	1310	1572	1926	2293	2600	2896
32.5°	708	831	996	1215	1464	1833	2226	2878	3513	4148	4771
30°	820	1000	1252	1552	1962	2545	3286	4294	5385	6341	7207
27.5°	970	1225	1552	2001	2698	3553	4921	6320	7710	8951	9843
25°	1152	1493	1956	2699	3705	5123	6956	8672	10303	11520	12545
22.5°	1414	1925	2583	3528	5355	7327	9521	11679	13512	15045	16055
20°	1738	2429	3530	5243	7391	9857	12681	14951	17208	18933	20474
17.5°	2197	3298	4852	7027	9594	12884	15791	18323	21189	22952	24524
15°	2609	4025	6240	9015	12023	15510	18938	22039	24805	26743	28500
12.5°	3131	4797	7344	10608	13899	17780	21344	24664	27374	29368	30597
10°	3599	5589	8447	11861	15544	19599	23293	26749	29373	30914	31819
7.5°	3976	6248	9340	12933	16821	20903	24804	28235	30746	32035	32653
5°	4269	6736	10040	13811	17850	22026	26008	29366	31481	32547	32892
2.5°	4488	7075	10511	14390	18545	22856	26922	30231	32035	32805	32919
0°	4637	7314	10817	14753	19140	23154	27416	30777	32492	33110	33169
-2.5°	4602	7228	10804	14621	19072	23288	27495	30811	32648	33477	33612
-5°	4508	7024	10445	14247	18530	22751	26765	30266	32520	33773	34327
-7.5°	4327	6673	9833	13533	17651	21877	25969	29602	32195	33958	35044
-10°	4020	6160	9049	12628	16687	20713	24759	28530	31322	33444	34957
-12.5°	3600	5463	8093	11347	15427	19186	23017	26630	29677	32294	33857
-15°	3166	4737	7100	10077	13629	17332	20871	24415	27424	29871	31821
-17.5°	2857	4102	5950	8555	11674	15187	18640	21896	24611	26911	28956
-20°	2466	3391	4854	7045	9791	12861	16169	19067	21491	23648	25602

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	2155	2904	3961	5456	7922	10630	13336	16004	18283	20204	21871
-25°	1873	2398	3225	4440	6044	8383	10662	12915	15020	16805	18307
-27.5°	1651	2069	2620	3485	4702	6067	8064	9948	11757	13390	14805
-30°	1449	1763	2193	2735	3562	4576	5777	7186	8629	9917	11204
-32.5°	1304	1527	1823	2225	2689	3415	4141	5088	6002	6942	7864
-35°	1174	1354	1555	1824	2142	2565	3044	3623	4111	4726	5293
-37.5°	1085	1211	1365	1535	1762	1999	2323	2674	2977	3320	3608
-40°	1011	1110	1214	1329	1485	1645	1854	2052	2244	2452	2608
-42.5°	949	1029	1104	1192	1285	1413	1553	1676	1793	1916	2018
-45°	900	960	1020	1089	1159	1252	1351	1443	1519	1588	1643
-47.5°	848	901	955	1007	1068	1135	1200	1259	1322	1375	1414
-50°	796	849	897	943	995	1048	1100	1147	1192	1231	1256
-52.5°	746	801	848	890	934	978	1020	1063	1102	1137	1153
-55°	708	758	806	844	881	918	956	996	1033	1067	1077
-57.5°	666	717	763	799	833	865	901	938	973	1005	1015
-60°	618	672	712	745	780	816	849	882	915	942	954
-62.5°	560	608	646	678	710	739	775	811	845	872	889
-65°	492	534	570	603	633	661	695	728	759	783	800
-67.5°	432	465	495	524	553	583	614	644	674	695	709
-70°	373	403	431	459	485	510	536	562	586	605	619
-72.5°	315	341	365	390	414	437	459	480	502	518	531
-75°	260	283	304	324	344	362	379	396	413	427	439
-77.5°	205	224	241	259	276	290	304	317	329	341	352
-80°	157	170	183	196	209	220	231	241	250	259	268
-82.5°	113	121	130	139	147	155	162	170	176	183	189
-85°	72	77	81	86	91	95	100	104	109	113	117
-87.5°	34	36	39	41	43	45	47	50	52	54	56
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	5	6	6	6	6	6	5	5	4	4	4
60°	18	18	18	18	18	18	18	18	18	22	24
57.5°	89	83	77	71	77	83	89	92	89	86	82
55°	194	205	209	208	209	205	194	183	173	169	166
52.5°	276	281	279	273	279	281	276	267	254	240	225
50°	377	377	374	368	374	377	377	370	356	332	302
47.5°	529	537	541	540	541	537	529	515	488	453	420
45°	679	687	690	689	690	687	679	665	628	580	528
42.5°	854	867	871	867	871	867	854	832	791	727	653
40°	1210	1225	1218	1199	1218	1225	1210	1164	1085	977	883
37.5°	1833	1892	1917	1918	1917	1892	1833	1751	1634	1424	1274
35°	3161	3373	3470	3348	3470	3373	3161	2896	2600	2293	1926
32.5°	5279	5654	5866	5866	5866	5654	5279	4771	4148	3513	2878
30°	7861	8330	8594	8650	8594	8330	7861	7207	6341	5385	4294
27.5°	10538	11023	11275	11239	11275	11023	10538	9843	8951	7710	6320
25°	13224	13591	13803	13809	13803	13591	13224	12545	11520	10303	8672
22.5°	17192	17965	18284	18369	18284	17965	17192	16055	15045	13512	11679
20°	21518	22267	22751	22780	22751	22267	21518	20474	18933	17208	14951
17.5°	25639	26011	26079	26110	26079	26011	25639	24524	22952	21189	18323
15°	29524	29654	29998	30041	29998	29654	29524	28500	26743	24805	22039
12.5°	31369	31488	31429	31270	31429	31488	31369	30597	29368	27374	24664
10°	32374	32206	31956	31655	31956	32206	32374	31819	30914	29373	26749
7.5°	32602	32416	31974	31537	31974	32416	32602	32653	32035	30746	28235
5°	32710	32162	31605	31074	31605	32162	32710	32892	32547	31481	29366
2.5°	32646	31994	31229	30658	31229	31994	32646	32919	32805	32035	30231
0°	32855	32196	31394	31181	31394	32196	32855	33169	33110	32492	30777
-2.5°	33435	32900	32482	32368	32482	32900	33435	33612	33477	32648	30811
-5°	34478	34360	33649	33816	33649	34360	34478	34327	33773	32520	30266
-7.5°	35486	35319	35018	35407	35018	35319	35486	35044	33958	32195	29602
-10°	35754	35699	35840	36185	35840	35699	35754	34957	33444	31322	28530
-12.5°	34932	35363	35846	36209	35846	35363	34932	33857	32294	29677	26630
-15°	33101	33981	34703	35045	34703	33981	33101	31821	29871	27424	24415
-17.5°	30403	31483	32338	32582	32338	31483	30403	28956	26911	24611	21896
-20°	27082	28180	28958	29269	28958	28180	27082	25602	23648	21491	19067

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23344	24416	25121	25493	25121	24416	23344	21871	20204	18283	16004
-25°	19551	20493	21119	21284	21119	20493	19551	18307	16805	15020	12915
-27.5°	15923	16681	17142	17193	17142	16681	15923	14805	13390	11757	9948
-30°	12274	12978	13377	13589	13377	12978	12274	11204	9917	8629	7186
-32.5°	8620	9179	9517	9606	9517	9179	8620	7864	6942	6002	5088
-35°	5747	6095	6309	6353	6309	6095	5747	5293	4726	4111	3623
-37.5°	3843	4012	4117	4168	4117	4012	3843	3608	3320	2977	2674
-40°	2722	2802	2846	2856	2846	2802	2722	2608	2452	2244	2052
-42.5°	2082	2123	2144	2149	2144	2123	2082	2018	1916	1793	1676
-45°	1683	1711	1728	1734	1728	1711	1683	1643	1588	1519	1443
-47.5°	1439	1458	1469	1472	1469	1458	1439	1414	1375	1322	1259
-50°	1270	1280	1284	1282	1284	1280	1270	1256	1231	1192	1147
-52.5°	1163	1170	1172	1170	1172	1170	1163	1153	1137	1102	1063
-55°	1084	1089	1089	1086	1089	1089	1084	1077	1067	1033	996
-57.5°	1023	1029	1027	1021	1027	1029	1023	1015	1005	973	938
-60°	963	970	970	968	970	970	963	954	942	915	882
-62.5°	903	915	917	914	917	915	903	889	872	845	811
-65°	817	831	831	825	831	831	817	800	783	759	728
-67.5°	721	732	733	730	733	732	721	709	695	674	644
-70°	632	643	644	641	644	643	632	619	605	586	562
-72.5°	544	555	557	558	557	555	544	531	518	502	480
-75°	450	460	460	457	460	460	450	439	427	413	396
-77.5°	362	372	371	368	371	372	362	352	341	329	317
-80°	276	284	282	279	282	284	276	268	259	250	241
-82.5°	195	201	199	196	199	201	195	189	183	176	170
-85°	121	124	125	125	125	124	121	117	113	109	104
-87.5°	57	59	56	53	56	59	57	56	54	52	50
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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	2
62.5°	3	1	1	2	2	2	2	2	1	1	2
60°	21	14	19	19	15	11	16	14	6	5	4
57.5°	76	70	66	60	51	45	41	39	35	21	8
55°	164	147	128	115	107	91	76	66	61	50	33
52.5°	211	203	187	162	148	140	122	104	89	76	60
50°	278	273	257	233	210	192	177	153	130	111	91
47.5°	389	364	346	325	285	253	233	212	180	153	129
45°	489	456	426	398	362	321	285	256	227	196	171
42.5°	607	549	498	468	426	384	343	307	269	235	207
40°	791	690	626	563	513	452	412	369	322	275	245
37.5°	1090	911	816	723	641	557	494	441	385	331	288
35°	1572	1310	1080	932	810	690	594	522	456	394	334
32.5°	2226	1833	1464	1215	996	831	708	614	523	454	392
30°	3286	2545	1962	1552	1252	1000	820	698	592	508	446
27.5°	4921	3553	2698	2001	1552	1225	970	786	658	562	491
25°	6956	5123	3705	2699	1956	1493	1152	908	736	614	542
22.5°	9521	7327	5355	3528	2583	1925	1414	1034	822	700	605
20°	12681	9857	7391	5243	3530	2429	1738	1251	973	803	674
17.5°	15791	12884	9594	7027	4852	3298	2197	1527	1119	908	747
15°	18938	15510	12023	9015	6240	4025	2609	1794	1287	1024	830
12.5°	21344	17780	13899	10608	7344	4797	3131	2136	1498	1120	891
10°	23293	19599	15544	11861	8447	5589	3599	2391	1649	1198	942
7.5°	24804	20903	16821	12933	9340	6248	3976	2590	1768	1267	984
5°	26008	22026	17850	13811	10040	6736	4269	2744	1855	1325	1016
2.5°	26922	22856	18545	14390	10511	7075	4488	2874	1927	1381	1046
0°	27416	23154	19140	14753	10817	7314	4637	2974	1977	1425	1069
-2.5°	27495	23288	19072	14621	10804	7228	4602	2954	1984	1439	1085
-5°	26765	22751	18530	14247	10445	7024	4508	2893	1968	1437	1091
-7.5°	25969	21877	17651	13533	9833	6673	4327	2795	1936	1422	1087
-10°	24759	20713	16687	12628	9049	6160	4020	2646	1872	1388	1074
-12.5°	23017	19186	15427	11347	8093	5463	3600	2454	1776	1335	1050
-15°	20871	17332	13629	10077	7100	4737	3166	2217	1648	1264	1016
-17.5°	18640	15187	11674	8555	5950	4102	2857	2048	1536	1199	976
-20°	16169	12861	9791	7045	4854	3391	2466	1841	1429	1144	945

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	13336	10630	7922	5456	3961	2904	2155	1641	1308	1075	907
-25°	10662	8383	6044	4440	3225	2398	1873	1496	1219	1012	866
-27.5°	8064	6067	4702	3485	2620	2069	1651	1342	1121	961	834
-30°	5777	4576	3562	2735	2193	1763	1449	1226	1048	909	797
-32.5°	4141	3415	2689	2225	1823	1527	1304	1118	979	864	769
-35°	3044	2565	2142	1824	1555	1354	1174	1040	921	818	740
-37.5°	2323	1999	1762	1535	1365	1211	1085	972	864	783	711
-40°	1854	1645	1485	1329	1214	1110	1011	911	828	748	680
-42.5°	1553	1413	1285	1192	1104	1029	949	870	792	718	650
-45°	1351	1252	1159	1089	1020	960	900	828	756	686	620
-47.5°	1200	1135	1068	1007	955	901	848	785	716	650	592
-50°	1100	1048	995	943	897	849	796	735	675	619	562
-52.5°	1020	978	934	890	848	801	746	693	640	584	528
-55°	956	918	881	844	806	758	708	655	600	546	490
-57.5°	901	865	833	799	763	717	666	613	559	507	452
-60°	849	816	780	745	712	672	618	567	519	469	418
-62.5°	775	739	710	678	646	608	560	514	470	428	380
-65°	695	661	633	603	570	534	492	455	418	380	337
-67.5°	614	583	553	524	495	465	432	399	364	327	287
-70°	536	510	485	459	431	403	373	340	306	273	242
-72.5°	459	437	414	390	365	341	315	286	257	229	201
-75°	379	362	344	324	304	283	260	236	212	189	167
-77.5°	304	290	276	259	241	224	205	186	168	150	132
-80°	231	220	209	196	183	170	157	142	126	112	98
-82.5°	162	155	147	139	130	121	113	102	91	80	70
-85°	100	95	91	86	81	77	72	65	58	51	44
-87.5°	47	45	43	41	39	36	34	31	27	24	21
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-MWR-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	1	1	0	0	0	0	0	0
67.5°	0	0	0	1	2	2	0	1	1	0	0
65°	2	1	0	2	3	4	3	2	2	1	0
62.5°	3	4	3	2	3	5	5	4	3	3	1
60°	4	5	6	5	4	5	6	5	4	4	3
57.5°	7	6	7	6	5	5	6	6	5	5	4
55°	16	10	9	8	7	6	6	6	6	5	6
52.5°	41	22	14	11	9	7	7	6	6	6	6
50°	69	46	26	16	12	10	8	7	6	6	6
47.5°	102	74	48	26	18	12	10	8	6	6	7
45°	140	106	73	46	25	19	12	10	7	6	7
42.5°	182	143	104	65	43	29	15	12	9	7	8
40°	218	184	137	96	62	41	25	14	11	8	8
37.5°	255	222	176	126	83	57	36	16	13	10	8
35°	293	256	214	159	110	73	50	22	17	12	9
32.5°	331	290	245	192	137	88	63	35	21	14	9
30°	378	320	273	224	164	110	76	48	26	16	10
27.5°	426	349	300	250	191	133	90	59	32	20	12
25°	472	388	326	274	217	157	106	69	40	24	14
22.5°	518	428	350	296	242	180	124	81	49	29	16
20°	568	467	374	322	264	202	144	94	57	34	18
17.5°	621	509	413	348	286	222	162	107	64	39	19
15°	675	552	451	375	307	239	178	120	70	44	22
12.5°	722	590	484	400	327	255	193	133	76	49	26
10°	763	624	513	425	346	269	207	144	85	53	31
7.5°	798	654	539	449	364	284	218	154	96	57	35
5°	827	678	557	467	380	301	228	162	106	60	39
2.5°	850	698	571	481	393	318	236	168	116	63	44
0°	867	712	582	493	404	332	243	172	125	65	47
-2.5°	875	723	598	502	418	340	252	181	130	74	49
-5°	877	729	611	509	429	345	259	189	135	82	51
-7.5°	878	732	619	515	438	349	264	196	139	88	52
-10°	873	731	621	521	441	352	269	201	143	94	53
-12.5°	862	727	620	524	441	356	275	205	146	98	53
-15°	843	719	617	524	441	358	278	207	147	100	54
-17.5°	818	708	612	519	439	358	280	207	148	99	56
-20°	801	696	605	511	436	357	280	204	147	98	58

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	782	683	593	503	433	355	277	199	145	96	59
-25°	756	668	580	499	427	350	271	192	142	94	60
-27.5°	734	651	566	491	418	343	262	187	138	92	60
-30°	713	633	554	481	407	333	249	181	134	91	59
-32.5°	690	615	539	466	394	322	236	174	130	90	58
-35°	667	595	521	449	381	308	227	166	126	87	56
-37.5°	641	571	500	432	368	293	222	163	122	83	55
-40°	615	547	478	416	352	278	214	160	117	78	52
-42.5°	587	523	459	401	335	267	205	155	111	74	50
-45°	561	499	439	380	319	255	197	148	104	71	48
-47.5°	533	474	414	356	302	240	185	139	96	68	47
-50°	503	443	384	332	280	224	172	128	92	64	45
-52.5°	467	406	357	309	258	205	158	117	87	62	42
-55°	429	376	332	285	235	186	143	110	81	59	40
-57.5°	400	351	306	259	212	168	131	102	76	55	38
-60°	370	323	279	232	188	150	121	94	71	51	36
-62.5°	335	291	246	202	166	135	109	86	65	47	34
-65°	293	251	210	176	145	120	99	78	59	43	31
-67.5°	248	213	180	150	126	106	87	69	52	38	28
-70°	210	179	151	129	109	91	75	59	45	34	25
-72.5°	176	151	128	108	92	77	63	49	38	29	21
-75°	145	125	106	90	76	63	51	40	31	24	19
-77.5°	115	99	84	71	61	50	40	31	25	21	17
-80°	87	75	65	55	46	38	31	26	21	18	15
-82.5°	61	54	47	40	35	29	25	21	18	15	12
-85°	40	35	31	27	24	21	18	15	12	10	8
-87.5°	19	17	15	14	12	10	9	8	6	5	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	1	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	3	2	0	0	0
60°	1	2	4	2	0	0	0
57.5°	2	3	4	3	0	0	0
55°	3	3	4	4	1	0	0
52.5°	4	3	4	4	1	0	0
50°	5	4	4	5	2	0	0
47.5°	6	4	4	6	2	0	0
45°	6	5	5	6	2	0	0
42.5°	7	5	5	6	3	0	0
40°	8	6	5	6	3	0	0
37.5°	8	6	5	6	3	0	0
35°	9	6	6	6	4	0	0
32.5°	10	7	6	6	4	0	0
30°	10	8	6	6	4	0	0
27.5°	11	8	6	6	5	0	0
25°	11	9	6	6	5	0	0
22.5°	11	10	6	6	5	0	0
20°	12	10	6	6	5	0	0
17.5°	12	10	6	6	5	0	0
15°	13	11	6	6	5	0	0
12.5°	14	11	6	6	6	0	0
10°	14	11	6	6	6	0	0
7.5°	15	12	6	6	6	0	0
5°	16	12	6	6	6	0	0
2.5°	17	12	6	6	6	0	0
0°	18	12	6	6	6	0	0
-2.5°	21	13	6	6	6	0	0
-5°	24	13	7	6	6	0	0
-7.5°	27	14	7	6	6	0	0
-10°	29	14	8	6	6	1	0
-12.5°	31	14	8	6	6	1	0
-15°	32	15	9	6	6	1	0
-17.5°	33	15	9	6	6	1	0
-20°	34	15	9	6	5	1	0

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REPORT NUMBER: P627666 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	34	15	9	6	5	1	0
-25°	34	16	9	6	5	1	0
-27.5°	34	17	9	6	5	1	0
-30°	33	18	9	6	5	1	0
-32.5°	32	19	9	6	5	1	0
-35°	32	19	9	6	5	1	0
-37.5°	33	20	10	6	5	1	0
-40°	33	20	10	6	5	1	0
-42.5°	32	20	10	6	5	1	0
-45°	32	20	10	6	5	1	0
-47.5°	31	19	11	7	5	1	0
-50°	30	19	11	7	5	1	0
-52.5°	29	18	11	7	5	1	0
-55°	28	18	11	7	5	1	0
-57.5°	26	17	11	7	5	1	0
-60°	25	16	10	7	5	1	0
-62.5°	23	15	10	7	5	1	0
-65°	21	14	10	7	5	1	0
-67.5°	19	13	10	7	4	1	0
-70°	17	13	9	7	4	1	0
-72.5°	16	12	9	6	3	1	0
-75°	15	11	9	6	3	1	0
-77.5°	13	11	8	5	2	1	0
-80°	12	9	6	4	2	1	0
-82.5°	9	7	5	3	2	0	0
-85°	6	4	3	2	1	0	0
-87.5°	3	2	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)