

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: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-750-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627476 (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-SA4D-750-U-MWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

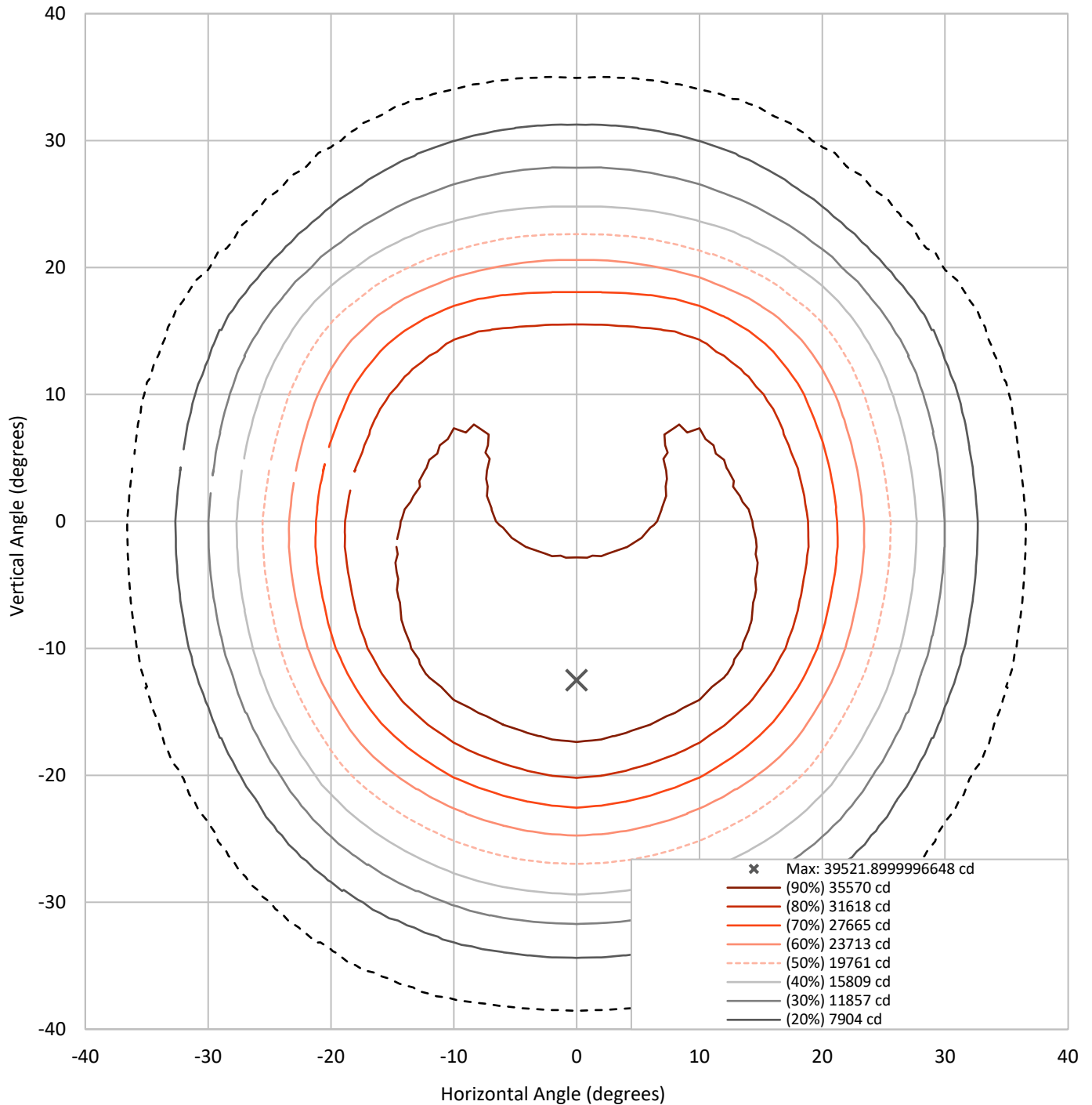
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	28210 lumens	Max Intensity:	39521.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	127.4 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:	18895 lumens	Field Lumens:	25427 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%
Input Watts (W):	221.4		
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: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-750-U-MWR-VSR-XX

Iso-Candela Plot





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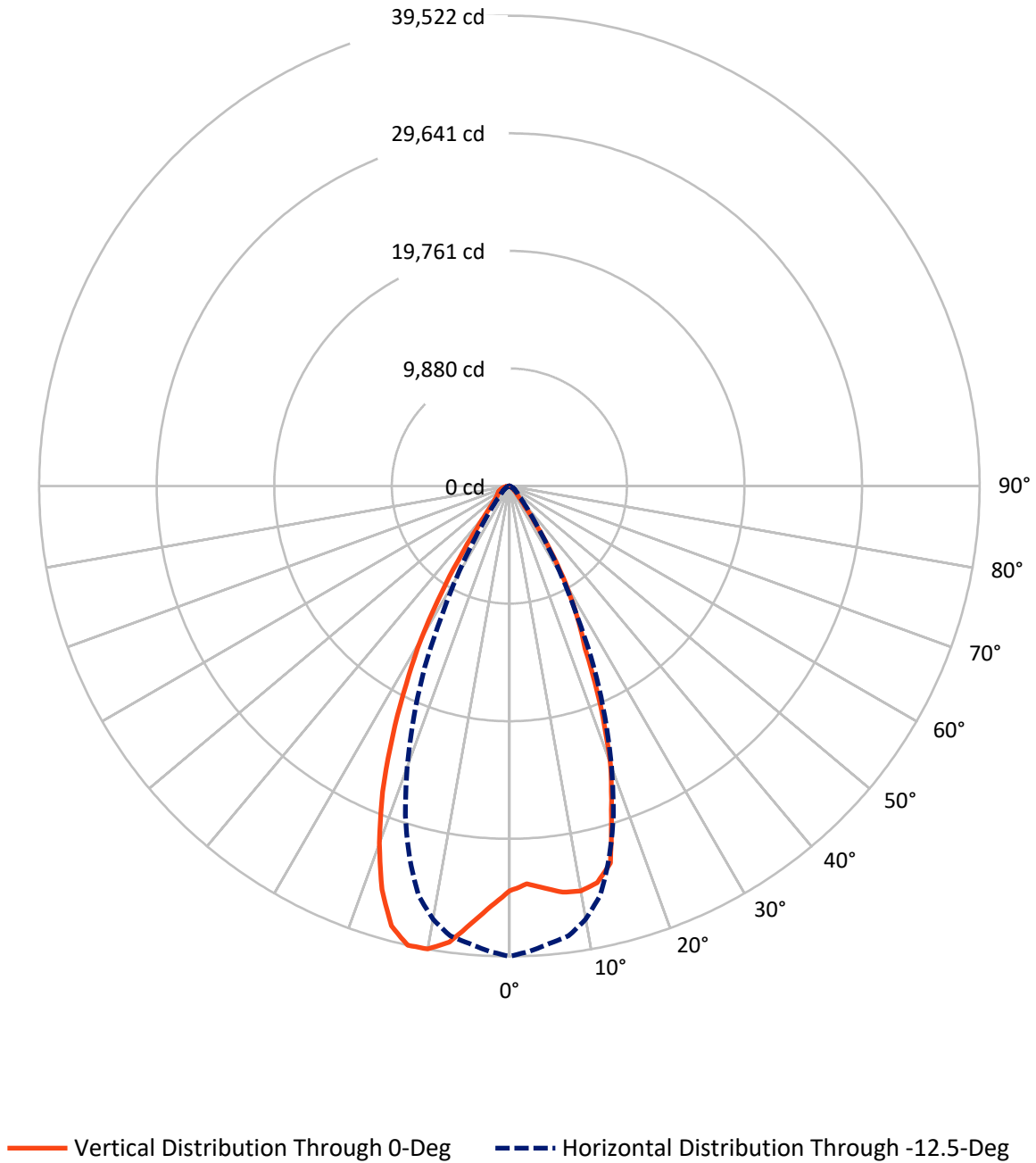
CATALOG NUMBER: GFLD-SA4D-750-U-MWR-VSR-XX

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	0.0	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	0.9	2.3	3.9	5.4	6.3	6.3	5.4	3.9	2.3	0.9	0.2		0.1			
40	0.2	0.2	1.1	4.0	7.9	13.0	19.3	23.7	23.7	19.3	13.0	7.9	4.0	1.1	0.2				
30		0.5	3.1	8.2	16.9	36.6	83.3	127.2	127.2	83.3	36.6	16.9	8.2	3.1	0.5				
20	0.3	1.1	5.3	13.2	35.4	131.2	337.7	472.0	472.0	337.7	131.2	35.4	13.2	5.3	1.1				
10		1.9	7.4	20.4	84.2	364.2	759.7	940.6	940.6	759.7	364.2	84.2	20.4	7.4	1.9				
0	0.6	2.5	9.1	26.3	134.1	536.3	979.5	1061.9	1061.9	979.5	536.3	134.1	26.3	9.1	2.5				
-10		2.9	10.0	28.1	140.3	553.9	1014.8	1127.1	1127.1	1014.8	553.9	140.3	28.1	10.0	2.9				
-20	0.8	3.1	10.2	25.6	100.4	412.4	856.1	1093.1	1093.1	856.1	412.4	100.4	25.6	10.2	3.1				
-30		3.0	9.7	21.2	56.1	200.1	477.0	671.3	671.3	477.0	200.1	56.1	21.2	9.7	3.0				
-40	0.7	2.6	8.7	17.6	33.5	71.3	149.0	221.2	221.2	149.0	71.3	33.5	17.6	8.7	2.6				
-50		2.2	7.3	14.7	24.5	36.1	50.9	60.3	60.3	50.9	36.1	24.5	14.7	7.3	2.2				
-60	0.5	1.7	5.5	11.6	19.2	26.6	33.2	36.4	36.4	33.2	26.6	19.2	11.6	5.5	1.7				
-70		1.1	3.5	7.9	13.5	19.0	24.1	27.0	27.0	24.1	19.0	13.5	7.9	3.5	1.1				
-80	0.2	3.1	14.2	30.2	38.8	30.2	14.2	3.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

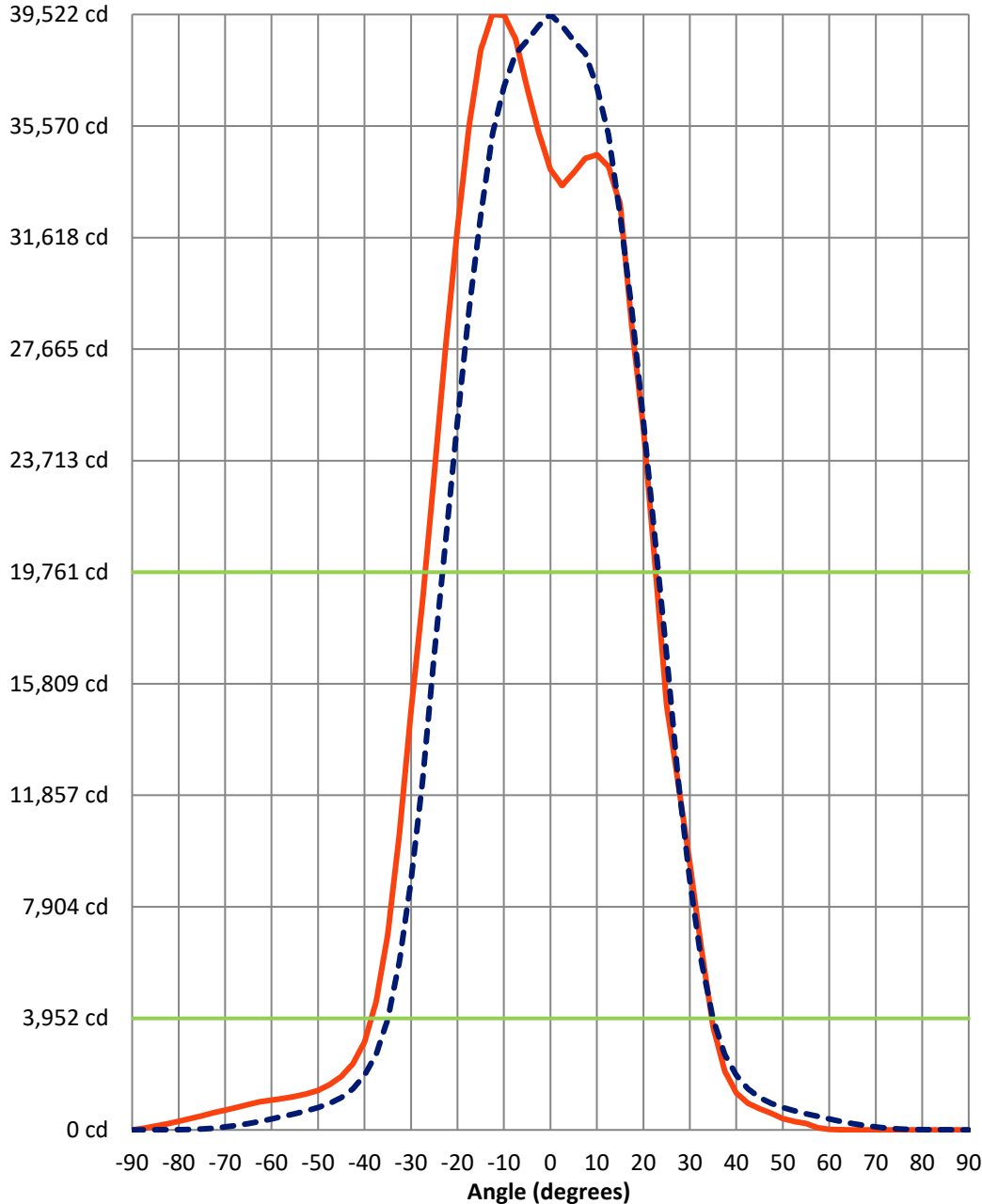
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 18895
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 25427
 Efficiency: 90.1%

Spill:
 Lumens: 2783
 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	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	3	2	1	0	1	2	2
62.5°	0	0	0	2	3	3	1	1	3	3	4
60°	0	0	0	3	4	3	1	3	5	5	6
57.5°	0	0	0	3	4	3	2	5	5	6	7
55°	0	0	1	4	4	3	4	6	6	7	7
52.5°	0	0	1	5	5	3	5	7	6	7	7
50°	0	0	2	6	5	4	6	7	7	7	8
47.5°	0	0	2	6	5	5	7	7	7	7	9
45°	0	0	3	6	5	5	7	8	7	8	11
42.5°	0	0	3	6	5	6	8	8	7	10	13
40°	0	0	3	7	6	6	8	9	8	12	15
37.5°	0	0	4	7	6	6	9	9	11	15	18
35°	0	0	4	7	6	7	10	10	13	18	24
32.5°	0	0	4	7	6	8	11	10	15	23	39
30°	0	0	5	7	6	8	11	11	18	28	52
27.5°	0	0	5	7	7	9	12	13	21	35	64
25°	0	0	5	7	7	10	12	15	26	44	75
22.5°	0	0	6	7	7	10	12	17	31	53	89
20°	0	0	6	7	7	11	13	19	37	62	102
17.5°	0	0	6	7	7	11	13	21	42	70	117
15°	0	0	6	7	7	12	14	24	48	77	131
12.5°	0	0	6	7	7	12	15	29	53	83	145
10°	0	0	6	7	7	12	16	33	58	93	158
7.5°	0	0	6	7	7	13	17	38	62	104	168
5°	0	0	6	7	7	13	18	43	66	115	176
2.5°	0	0	6	7	7	13	19	48	69	126	183
0°	0	0	7	7	7	13	19	52	71	136	188
-2.5°	0	0	6	7	7	14	23	54	81	142	198
-5°	0	0	6	7	8	14	26	55	89	147	207
-7.5°	0	0	6	7	8	15	29	56	97	152	214
-10°	0	1	6	7	9	15	32	57	103	156	220
-12.5°	0	1	6	7	9	16	34	58	107	159	224
-15°	0	1	6	7	9	16	35	59	109	161	226
-17.5°	0	1	6	7	10	16	36	61	108	161	226
-20°	0	1	6	7	10	17	37	63	107	160	223

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REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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	6	7	10	17	37	65	105	158	217
-25°	0	1	6	7	10	18	37	66	103	155	209
-27.5°	0	1	6	7	10	19	37	66	100	150	204
-30°	0	1	6	7	10	20	36	64	99	146	198
-32.5°	0	1	6	7	10	21	35	63	98	142	190
-35°	0	2	5	7	10	21	35	62	95	137	181
-37.5°	0	2	5	7	11	21	36	60	91	133	178
-40°	0	2	5	7	11	22	36	57	85	127	175
-42.5°	0	2	5	7	11	22	35	54	81	121	169
-45°	0	2	5	7	11	21	35	52	78	113	161
-47.5°	0	2	5	7	12	21	33	51	74	105	151
-50°	0	2	5	7	12	20	33	49	70	100	140
-52.5°	0	2	5	8	12	20	32	46	67	95	127
-55°	0	2	6	8	12	19	30	43	64	89	120
-57.5°	0	1	6	8	12	19	29	41	60	83	111
-60°	0	1	6	8	11	18	27	39	56	77	102
-62.5°	0	1	5	8	11	17	25	37	52	71	94
-65°	0	1	5	8	11	16	23	34	47	64	85
-67.5°	0	1	5	8	11	15	21	30	42	57	75
-70°	0	1	4	8	10	14	19	27	37	49	65
-72.5°	0	1	4	7	10	13	17	23	31	42	54
-75°	0	1	3	6	10	12	16	20	26	34	44
-77.5°	0	1	3	5	8	12	15	18	22	27	34
-80°	0	1	2	4	7	10	13	16	19	23	28
-82.5°	0	0	2	3	5	7	10	13	16	19	23
-85°	0	0	1	2	3	5	7	9	11	14	16
-87.5°	0	0	1	1	2	2	3	4	6	7	8
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-750-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	2	2	2	0	0	0
62.5°	6	5	4	3	4	5	4	2	1	2	2
60°	7	5	5	5	7	6	4	5	5	6	15
57.5°	7	6	6	7	7	7	8	9	23	39	43
55°	7	6	7	9	10	11	17	36	54	67	72
52.5°	7	7	10	12	15	24	45	66	83	97	114
50°	8	10	13	18	29	50	75	99	121	142	167
47.5°	11	14	19	28	52	81	111	141	167	196	232
45°	14	21	28	50	80	116	153	187	214	248	279
42.5°	16	32	47	71	114	157	199	226	256	293	335
40°	27	44	68	104	150	201	238	268	300	351	402
37.5°	40	62	90	137	192	242	278	314	361	420	481
35°	54	79	120	173	234	280	320	365	430	498	570
32.5°	69	96	150	210	267	316	361	428	496	571	670
30°	83	120	179	244	298	350	413	487	554	646	762
27.5°	99	145	209	273	328	381	465	536	613	718	858
25°	115	172	236	299	355	423	515	591	670	804	991
22.5°	135	197	264	323	382	468	566	660	764	897	1129
20°	157	220	288	351	408	510	620	736	877	1062	1365
17.5°	177	242	312	380	451	555	678	816	991	1221	1667
15°	195	261	335	409	492	602	737	906	1118	1404	1959
12.5°	211	278	357	437	528	644	788	972	1222	1635	2332
10°	226	293	378	464	560	682	833	1028	1307	1800	2610
7.5°	238	310	398	490	588	714	872	1074	1383	1930	2827
5°	249	329	415	509	608	740	903	1109	1446	2025	2995
2.5°	258	347	429	525	623	761	928	1142	1508	2104	3137
0°	266	363	441	538	635	778	946	1166	1555	2158	3246
-2.5°	275	371	456	548	653	789	955	1184	1571	2165	3225
-5°	283	377	469	555	667	795	957	1191	1569	2148	3158
-7.5°	289	380	478	562	675	799	958	1187	1552	2113	3050
-10°	293	384	481	569	677	798	953	1172	1515	2043	2888
-12.5°	300	388	482	572	677	794	941	1146	1457	1939	2679
-15°	304	391	481	572	673	785	920	1109	1380	1799	2420
-17.5°	306	391	479	567	668	773	893	1065	1309	1677	2235
-20°	305	390	476	557	660	759	875	1031	1249	1560	2010

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CATALOG NUMBER: GFLD-SA4D-750-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°	302	387	472	550	648	746	853	990	1173	1428	1791
-25°	296	382	466	545	633	729	825	946	1105	1330	1633
-27.5°	286	374	457	536	617	711	801	910	1049	1223	1465
-30°	272	364	445	524	604	691	778	870	992	1144	1338
-32.5°	257	352	431	509	589	671	753	839	943	1069	1221
-35°	248	336	416	490	569	649	728	807	893	1005	1135
-37.5°	242	320	401	471	546	624	699	775	855	943	1061
-40°	234	303	384	454	522	597	671	743	816	904	994
-42.5°	224	292	366	438	501	571	641	710	783	864	949
-45°	215	278	348	415	480	544	612	677	749	825	904
-47.5°	202	262	329	388	452	517	582	647	710	781	857
-50°	188	244	306	363	419	484	549	614	676	736	803
-52.5°	173	223	281	337	389	443	510	576	638	698	756
-55°	156	203	256	311	363	410	468	534	596	655	715
-57.5°	143	183	231	283	334	384	436	493	553	610	669
-60°	132	164	205	253	304	353	404	457	511	567	619
-62.5°	119	148	181	221	268	318	365	415	467	514	561
-65°	108	131	159	192	230	274	320	368	415	456	496
-67.5°	95	116	138	163	196	233	270	313	357	397	435
-70°	82	100	119	140	165	195	229	264	298	334	372
-72.5°	68	84	101	118	140	165	192	219	250	281	313
-75°	56	68	83	98	115	136	158	182	206	231	257
-77.5°	44	55	66	78	91	108	125	144	164	183	203
-80°	34	41	50	60	71	82	94	107	122	138	155
-82.5°	27	32	38	44	51	59	67	76	87	99	111
-85°	19	23	26	30	34	38	43	48	55	63	70
-87.5°	10	11	13	15	17	19	21	23	26	30	33
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	2	2	2	2	2	1	3	4	5	5	5
60°	17	12	16	21	21	16	23	26	24	20	20
57.5°	45	49	56	66	72	77	83	90	94	97	100
55°	83	100	117	126	139	160	179	181	184	189	200
52.5°	133	153	162	177	205	222	231	246	262	277	291
50°	194	210	230	254	281	298	303	330	362	389	404
47.5°	254	276	312	355	378	397	424	458	494	532	562
45°	311	350	395	434	465	497	534	576	633	685	726
42.5°	375	419	465	510	543	599	662	712	793	864	908
40°	450	494	559	615	683	753	863	964	1066	1184	1270
37.5°	540	608	700	789	890	995	1190	1390	1554	1783	1911
35°	648	753	884	1017	1179	1430	1715	2102	2503	2838	3161
32.5°	773	908	1087	1326	1598	2000	2429	3141	3835	4528	5208
30°	895	1091	1367	1694	2141	2778	3587	4687	5878	6922	7866
27.5°	1059	1337	1695	2184	2945	3878	5371	6898	8416	9770	10743
25°	1257	1629	2135	2945	4044	5592	7593	9465	11246	12574	13693
22.5°	1543	2101	2819	3851	5845	7997	10392	12748	14748	16421	17524
20°	1897	2652	3853	5722	8068	10759	13841	16319	18783	20666	22348
17.5°	2398	3600	5296	7670	10472	14063	17236	19999	23127	25052	26768
15°	2848	4393	6811	9840	13123	16929	20671	24056	27075	29190	31108
12.5°	3418	5236	8016	11579	15170	19407	23297	26921	29878	32055	33397
10°	3928	6101	9220	12946	16966	21392	25424	29196	32060	33743	34730
7.5°	4340	6819	10195	14116	18360	22815	27074	30818	33559	34966	35640
5°	4659	7352	10958	15075	19483	24042	28388	32053	34361	35525	35901
2.5°	4899	7723	11472	15706	20242	24948	29385	32997	34966	35806	35931
0°	5061	7983	11807	16103	20892	25272	29925	33593	35465	36139	36204
-2.5°	5023	7889	11792	15959	20817	25418	30011	33630	35635	36540	36687
-5°	4920	7667	11401	15551	20225	24833	29213	33035	35495	36862	37468
-7.5°	4723	7284	10732	14771	19266	23878	28345	32310	35141	37065	38250
-10°	4387	6723	9877	13783	18213	22608	27025	31140	34188	36504	38155
-12.5°	3929	5963	8834	12385	16838	20942	25123	29066	32393	35249	36955
-15°	3456	5171	7750	10999	14876	18917	22780	26649	29933	32604	34732
-17.5°	3119	4478	6494	9338	12742	16576	20345	23899	26862	29373	31605
-20°	2692	3701	5299	7689	10687	14038	17648	20811	23458	25812	27944

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	2353	3170	4323	5955	8647	11603	14556	17469	19956	22053	23872
-25°	2044	2618	3520	4846	6597	9149	11638	14097	16394	18343	19982
-27.5°	1802	2258	2859	3803	5132	6622	8802	10858	12833	14615	16160
-30°	1582	1924	2394	2985	3888	4995	6306	7843	9418	10825	12229
-32.5°	1424	1667	1990	2429	2935	3727	4520	5554	6551	7577	8584
-35°	1282	1478	1697	1991	2338	2800	3322	3954	4487	5159	5778
-37.5°	1184	1322	1490	1675	1924	2181	2535	2919	3249	3623	3938
-40°	1104	1212	1326	1450	1621	1795	2024	2239	2449	2677	2847
-42.5°	1036	1123	1205	1301	1402	1542	1695	1830	1957	2091	2202
-45°	983	1047	1114	1188	1265	1366	1475	1575	1658	1733	1794
-47.5°	925	983	1042	1099	1165	1239	1310	1374	1443	1501	1543
-50°	869	927	980	1030	1086	1144	1200	1252	1301	1344	1370
-52.5°	814	874	926	972	1020	1067	1114	1160	1203	1241	1259
-55°	773	828	880	922	962	1002	1044	1087	1127	1164	1175
-57.5°	727	783	833	872	909	945	983	1023	1062	1097	1108
-60°	674	733	777	813	851	891	927	963	999	1029	1041
-62.5°	612	664	705	741	774	807	846	885	922	952	970
-65°	537	582	622	658	691	722	759	794	828	855	874
-67.5°	472	507	540	572	604	636	670	703	735	758	774
-70°	407	440	471	501	529	557	585	613	640	660	676
-72.5°	344	373	399	425	452	476	501	524	547	565	580
-75°	284	309	331	354	376	395	414	433	451	466	479
-77.5°	224	244	263	282	301	317	331	346	359	372	384
-80°	171	186	200	214	229	241	252	263	273	283	292
-82.5°	123	132	142	151	161	169	177	185	193	200	207
-85°	78	84	89	94	99	104	109	114	119	123	127
-87.5°	37	40	42	45	47	49	52	54	56	58	61
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-750-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°	6	6	6	6	6	6	6	5	5	5	4
60°	20	19	19	19	19	19	20	20	20	24	26
57.5°	98	91	85	78	85	91	98	100	97	94	90
55°	212	224	229	227	229	224	212	200	189	184	181
52.5°	301	306	305	298	305	306	301	291	277	262	246
50°	411	412	408	402	408	412	411	404	389	362	330
47.5°	578	586	590	590	590	586	578	562	532	494	458
45°	741	749	753	752	753	749	741	726	685	633	576
42.5°	932	946	951	946	951	946	932	908	864	793	712
40°	1320	1337	1329	1309	1329	1337	1320	1270	1184	1066	964
37.5°	2000	2065	2092	2093	2092	2065	2000	1911	1783	1554	1390
35°	3450	3681	3787	3655	3787	3681	3450	3161	2838	2503	2102
32.5°	5762	6172	6402	6402	6402	6172	5762	5208	4528	3835	3141
30°	8580	9092	9380	9441	9380	9092	8580	7866	6922	5878	4687
27.5°	11502	12032	12307	12267	12307	12032	11502	10743	9770	8416	6898
25°	14434	14835	15066	15073	15066	14835	14434	13693	12574	11246	9465
22.5°	18765	19609	19956	20049	19956	19609	18765	17524	16421	14748	12748
20°	23486	24305	24832	24864	24832	24305	23486	22348	20666	18783	16319
17.5°	27984	28390	28465	28499	28465	28390	27984	26768	25052	23127	19999
15°	32225	32367	32742	32789	32742	32367	32225	31108	29190	27075	24056
12.5°	34239	34369	34305	34131	34305	34369	34239	33397	32055	29878	26921
10°	35336	35153	34880	34552	34880	35153	35336	34730	33743	32060	29196
7.5°	35585	35381	34900	34422	34900	35381	35585	35640	34966	33559	30818
5°	35703	35105	34497	33917	34497	35105	35703	35901	35525	34361	32053
2.5°	35633	34922	34087	33463	34087	34922	35633	35931	35806	34966	32997
0°	35861	35141	34266	34033	34266	35141	35861	36204	36139	35465	33593
-2.5°	36494	35911	35454	35329	35454	35911	36494	36687	36540	35635	33630
-5°	37632	37504	36728	36910	36728	37504	37632	37468	36862	35495	33035
-7.5°	38733	38550	38222	38647	38222	38550	38733	38250	37065	35141	32310
-10°	39025	38965	39119	39496	39119	38965	39025	38155	36504	34188	31140
-12.5°	38129	38598	39125	39522	39125	38598	38129	36955	35249	32393	29066
-15°	36129	37090	37878	38252	37878	37090	36129	34732	32604	29933	26649
-17.5°	33185	34363	35297	35563	35297	34363	33185	31605	29373	26862	23899
-20°	29560	30758	31608	31947	31608	30758	29560	27944	25812	23458	20811

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CATALOG NUMBER: GFLD-SA4D-750-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°	25480	26650	27420	27825	27420	26650	25480	23872	22053	19956	17469
-25°	21339	22368	23051	23231	23051	22368	21339	19982	18343	16394	14097
-27.5°	17380	18207	18711	18766	18711	18207	17380	16160	14615	12833	10858
-30°	13397	14165	14601	14833	14601	14165	13397	12229	10825	9418	7843
-32.5°	9409	10018	10388	10485	10388	10018	9409	8584	7577	6551	5554
-35°	6273	6652	6886	6934	6886	6652	6273	5778	5159	4487	3954
-37.5°	4194	4379	4493	4549	4493	4379	4194	3938	3623	3249	2919
-40°	2972	3058	3107	3117	3107	3058	2972	2847	2677	2449	2239
-42.5°	2273	2317	2340	2346	2340	2317	2273	2202	2091	1957	1830
-45°	1837	1867	1886	1892	1886	1867	1837	1794	1733	1658	1575
-47.5°	1571	1591	1603	1607	1603	1591	1571	1543	1501	1443	1374
-50°	1386	1397	1402	1400	1402	1397	1386	1370	1344	1301	1252
-52.5°	1269	1277	1279	1277	1279	1277	1269	1259	1241	1203	1160
-55°	1183	1188	1189	1186	1189	1188	1183	1175	1164	1127	1087
-57.5°	1117	1123	1121	1115	1121	1123	1117	1108	1097	1062	1023
-60°	1051	1059	1059	1056	1059	1059	1051	1041	1029	999	963
-62.5°	986	999	1001	998	1001	999	986	970	952	922	885
-65°	891	907	907	901	907	907	891	874	855	828	794
-67.5°	787	799	800	797	800	799	787	774	758	735	703
-70°	690	702	703	700	703	702	690	676	660	640	613
-72.5°	593	605	608	609	608	605	593	580	565	547	524
-75°	491	503	502	499	502	503	491	479	466	451	433
-77.5°	395	406	405	402	405	406	395	384	372	359	346
-80°	301	309	308	305	308	309	301	292	283	273	263
-82.5°	213	219	217	214	217	219	213	207	200	193	185
-85°	132	136	136	136	136	136	132	127	123	119	114
-87.5°	63	65	61	58	61	65	63	61	58	56	54
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-750-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	2	2	2	2	2	2	2	1	2
60°	23	16	21	21	16	12	17	15	6	5	5
57.5°	83	77	72	66	56	49	45	43	39	23	9
55°	179	160	139	126	117	100	83	72	67	54	36
52.5°	231	222	205	177	162	153	133	114	97	83	66
50°	303	298	281	254	230	210	194	167	142	121	99
47.5°	424	397	378	355	312	276	254	232	196	167	141
45°	534	497	465	434	395	350	311	279	248	214	187
42.5°	662	599	543	510	465	419	375	335	293	256	226
40°	863	753	683	615	559	494	450	402	351	300	268
37.5°	1190	995	890	789	700	608	540	481	420	361	314
35°	1715	1430	1179	1017	884	753	648	570	498	430	365
32.5°	2429	2000	1598	1326	1087	908	773	670	571	496	428
30°	3587	2778	2141	1694	1367	1091	895	762	646	554	487
27.5°	5371	3878	2945	2184	1695	1337	1059	858	718	613	536
25°	7593	5592	4044	2945	2135	1629	1257	991	804	670	591
22.5°	10392	7997	5845	3851	2819	2101	1543	1129	897	764	660
20°	13841	10759	8068	5722	3853	2652	1897	1365	1062	877	736
17.5°	17236	14063	10472	7670	5296	3600	2398	1667	1221	991	816
15°	20671	16929	13123	9840	6811	4393	2848	1959	1404	1118	906
12.5°	23297	19407	15170	11579	8016	5236	3418	2332	1635	1222	972
10°	25424	21392	16966	12946	9220	6101	3928	2610	1800	1307	1028
7.5°	27074	22815	18360	14116	10195	6819	4340	2827	1930	1383	1074
5°	28388	24042	19483	15075	10958	7352	4659	2995	2025	1446	1109
2.5°	29385	24948	20242	15706	11472	7723	4899	3137	2104	1508	1142
0°	29925	25272	20892	16103	11807	7983	5061	3246	2158	1555	1166
-2.5°	30011	25418	20817	15959	11792	7889	5023	3225	2165	1571	1184
-5°	29213	24833	20225	15551	11401	7667	4920	3158	2148	1569	1191
-7.5°	28345	23878	19266	14771	10732	7284	4723	3050	2113	1552	1187
-10°	27025	22608	18213	13783	9877	6723	4387	2888	2043	1515	1172
-12.5°	25123	20942	16838	12385	8834	5963	3929	2679	1939	1457	1146
-15°	22780	18917	14876	10999	7750	5171	3456	2420	1799	1380	1109
-17.5°	20345	16576	12742	9338	6494	4478	3119	2235	1677	1309	1065
-20°	17648	14038	10687	7689	5299	3701	2692	2010	1560	1249	1031

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REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	14556	11603	8647	5955	4323	3170	2353	1791	1428	1173	990
-25°	11638	9149	6597	4846	3520	2618	2044	1633	1330	1105	946
-27.5°	8802	6622	5132	3803	2859	2258	1802	1465	1223	1049	910
-30°	6306	4995	3888	2985	2394	1924	1582	1338	1144	992	870
-32.5°	4520	3727	2935	2429	1990	1667	1424	1221	1069	943	839
-35°	3322	2800	2338	1991	1697	1478	1282	1135	1005	893	807
-37.5°	2535	2181	1924	1675	1490	1322	1184	1061	943	855	775
-40°	2024	1795	1621	1450	1326	1212	1104	994	904	816	743
-42.5°	1695	1542	1402	1301	1205	1123	1036	949	864	783	710
-45°	1475	1366	1265	1188	1114	1047	983	904	825	749	677
-47.5°	1310	1239	1165	1099	1042	983	925	857	781	710	647
-50°	1200	1144	1086	1030	980	927	869	803	736	676	614
-52.5°	1114	1067	1020	972	926	874	814	756	698	638	576
-55°	1044	1002	962	922	880	828	773	715	655	596	534
-57.5°	983	945	909	872	833	783	727	669	610	553	493
-60°	927	891	851	813	777	733	674	619	567	511	457
-62.5°	846	807	774	741	705	664	612	561	514	467	415
-65°	759	722	691	658	622	582	537	496	456	415	368
-67.5°	670	636	604	572	540	507	472	435	397	357	313
-70°	585	557	529	501	471	440	407	372	334	298	264
-72.5°	501	476	452	425	399	373	344	313	281	250	219
-75°	414	395	376	354	331	309	284	257	231	206	182
-77.5°	331	317	301	282	263	244	224	203	183	164	144
-80°	252	241	229	214	200	186	171	155	138	122	107
-82.5°	177	169	161	151	142	132	123	111	99	87	76
-85°	109	104	99	94	89	84	78	70	63	55	48
-87.5°	52	49	47	45	42	40	37	33	30	26	23
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627476 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-750-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	2	0	2	3	4	3	2	2	1	0
62.5°	4	5	4	3	4	5	6	4	3	3	1
60°	4	6	7	5	5	5	7	6	5	5	3
57.5°	8	7	7	7	6	6	7	7	6	5	5
55°	17	11	10	9	7	6	7	7	7	6	6
52.5°	45	24	15	12	10	7	7	7	7	6	7
50°	75	50	29	18	13	10	8	8	7	7	7
47.5°	111	81	52	28	19	14	11	9	7	7	7
45°	153	116	80	50	28	21	14	11	8	7	8
42.5°	199	157	114	71	47	32	16	13	10	7	8
40°	238	201	150	104	68	44	27	15	12	8	9
37.5°	278	242	192	137	90	62	40	18	15	11	9
35°	320	280	234	173	120	79	54	24	18	13	10
32.5°	361	316	267	210	150	96	69	39	23	15	10
30°	413	350	298	244	179	120	83	52	28	18	11
27.5°	465	381	328	273	209	145	99	64	35	21	13
25°	515	423	355	299	236	172	115	75	44	26	15
22.5°	566	468	382	323	264	197	135	89	53	31	17
20°	620	510	408	351	288	220	157	102	62	37	19
17.5°	678	555	451	380	312	242	177	117	70	42	21
15°	737	602	492	409	335	261	195	131	77	48	24
12.5°	788	644	528	437	357	278	211	145	83	53	29
10°	833	682	560	464	378	293	226	158	93	58	33
7.5°	872	714	588	490	398	310	238	168	104	62	38
5°	903	740	608	509	415	329	249	176	115	66	43
2.5°	928	761	623	525	429	347	258	183	126	69	48
0°	946	778	635	538	441	363	266	188	136	71	52
-2.5°	955	789	653	548	456	371	275	198	142	81	54
-5°	957	795	667	555	469	377	283	207	147	89	55
-7.5°	958	799	675	562	478	380	289	214	152	97	56
-10°	953	798	677	569	481	384	293	220	156	103	57
-12.5°	941	794	677	572	482	388	300	224	159	107	58
-15°	920	785	673	572	481	391	304	226	161	109	59
-17.5°	893	773	668	567	479	391	306	226	161	108	61
-20°	875	759	660	557	476	390	305	223	160	107	63

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CATALOG NUMBER: GFLD-SA4D-750-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°	853	746	648	550	472	387	302	217	158	105	65
-25°	825	729	633	545	466	382	296	209	155	103	66
-27.5°	801	711	617	536	457	374	286	204	150	100	66
-30°	778	691	604	524	445	364	272	198	146	99	64
-32.5°	753	671	589	509	431	352	257	190	142	98	63
-35°	728	649	569	490	416	336	248	181	137	95	62
-37.5°	699	624	546	471	401	320	242	178	133	91	60
-40°	671	597	522	454	384	303	234	175	127	85	57
-42.5°	641	571	501	438	366	292	224	169	121	81	54
-45°	612	544	480	415	348	278	215	161	113	78	52
-47.5°	582	517	452	388	329	262	202	151	105	74	51
-50°	549	484	419	363	306	244	188	140	100	70	49
-52.5°	510	443	389	337	281	223	173	127	95	67	46
-55°	468	410	363	311	256	203	156	120	89	64	43
-57.5°	436	384	334	283	231	183	143	111	83	60	41
-60°	404	353	304	253	205	164	132	102	77	56	39
-62.5°	365	318	268	221	181	148	119	94	71	52	37
-65°	320	274	230	192	159	131	108	85	64	47	34
-67.5°	270	233	196	163	138	116	95	75	57	42	30
-70°	229	195	165	140	119	100	82	65	49	37	27
-72.5°	192	165	140	118	101	84	68	54	42	31	23
-75°	158	136	115	98	83	68	56	44	34	26	20
-77.5°	125	108	91	78	66	55	44	34	27	22	18
-80°	94	82	71	60	50	41	34	28	23	19	16
-82.5°	67	59	51	44	38	32	27	23	19	16	13
-85°	43	38	34	30	26	23	19	16	14	11	9
-87.5°	21	19	17	15	13	11	10	8	7	6	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4D-750-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	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	3	1	0	0	0
62.5°	1	3	3	2	0	0	0
60°	1	3	4	3	0	0	0
57.5°	2	3	4	3	0	0	0
55°	4	3	4	4	1	0	0
52.5°	5	3	5	5	1	0	0
50°	6	4	5	6	2	0	0
47.5°	7	5	5	6	2	0	0
45°	7	5	5	6	3	0	0
42.5°	8	6	5	6	3	0	0
40°	8	6	6	7	3	0	0
37.5°	9	6	6	7	4	0	0
35°	10	7	6	7	4	0	0
32.5°	11	8	6	7	4	0	0
30°	11	8	6	7	5	0	0
27.5°	12	9	7	7	5	0	0
25°	12	10	7	7	5	0	0
22.5°	12	10	7	7	6	0	0
20°	13	11	7	7	6	0	0
17.5°	13	11	7	7	6	0	0
15°	14	12	7	7	6	0	0
12.5°	15	12	7	7	6	0	0
10°	16	12	7	7	6	0	0
7.5°	17	13	7	7	6	0	0
5°	18	13	7	7	6	0	0
2.5°	19	13	7	7	6	0	0
0°	19	13	7	7	7	0	0
-2.5°	23	14	7	7	6	0	0
-5°	26	14	8	7	6	0	0
-7.5°	29	15	8	7	6	0	0
-10°	32	15	9	7	6	1	0
-12.5°	34	16	9	7	6	1	0
-15°	35	16	9	7	6	1	0
-17.5°	36	16	10	7	6	1	0
-20°	37	17	10	7	6	1	0

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CATALOG NUMBER: GFLD-SA4D-750-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37	17	10	7	6	1	0
-25°	37	18	10	7	6	1	0
-27.5°	37	19	10	7	6	1	0
-30°	36	20	10	7	6	1	0
-32.5°	35	21	10	7	6	1	0
-35°	35	21	10	7	5	2	0
-37.5°	36	21	11	7	5	2	0
-40°	36	22	11	7	5	2	0
-42.5°	35	22	11	7	5	2	0
-45°	35	21	11	7	5	2	0
-47.5°	33	21	12	7	5	2	0
-50°	33	20	12	7	5	2	0
-52.5°	32	20	12	8	5	2	0
-55°	30	19	12	8	6	2	0
-57.5°	29	19	12	8	6	1	0
-60°	27	18	11	8	6	1	0
-62.5°	25	17	11	8	5	1	0
-65°	23	16	11	8	5	1	0
-67.5°	21	15	11	8	5	1	0
-70°	19	14	10	8	4	1	0
-72.5°	17	13	10	7	4	1	0
-75°	16	12	10	6	3	1	0
-77.5°	15	12	8	5	3	1	0
-80°	13	10	7	4	2	1	0
-82.5°	10	7	5	3	2	0	0
-85°	7	5	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)