

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-727-U-MWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627676 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-727-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

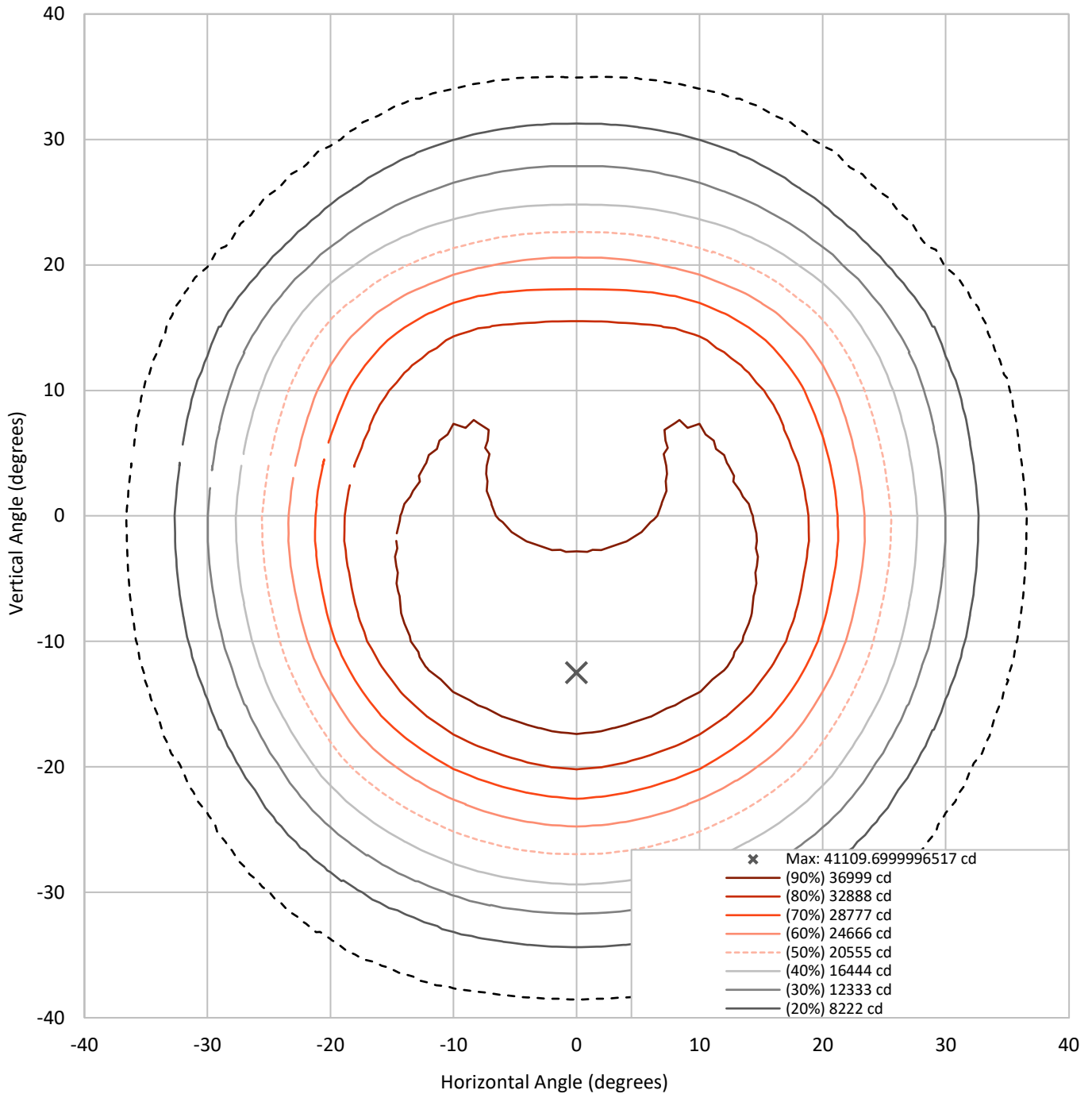
Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	29343.4 lumens	Max Intensity:	41109.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	108.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	19654.1 lumens	Field Lumens:	26448.6 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%
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: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-727-U-MWR-VSR-XX

Iso-Candela Plot





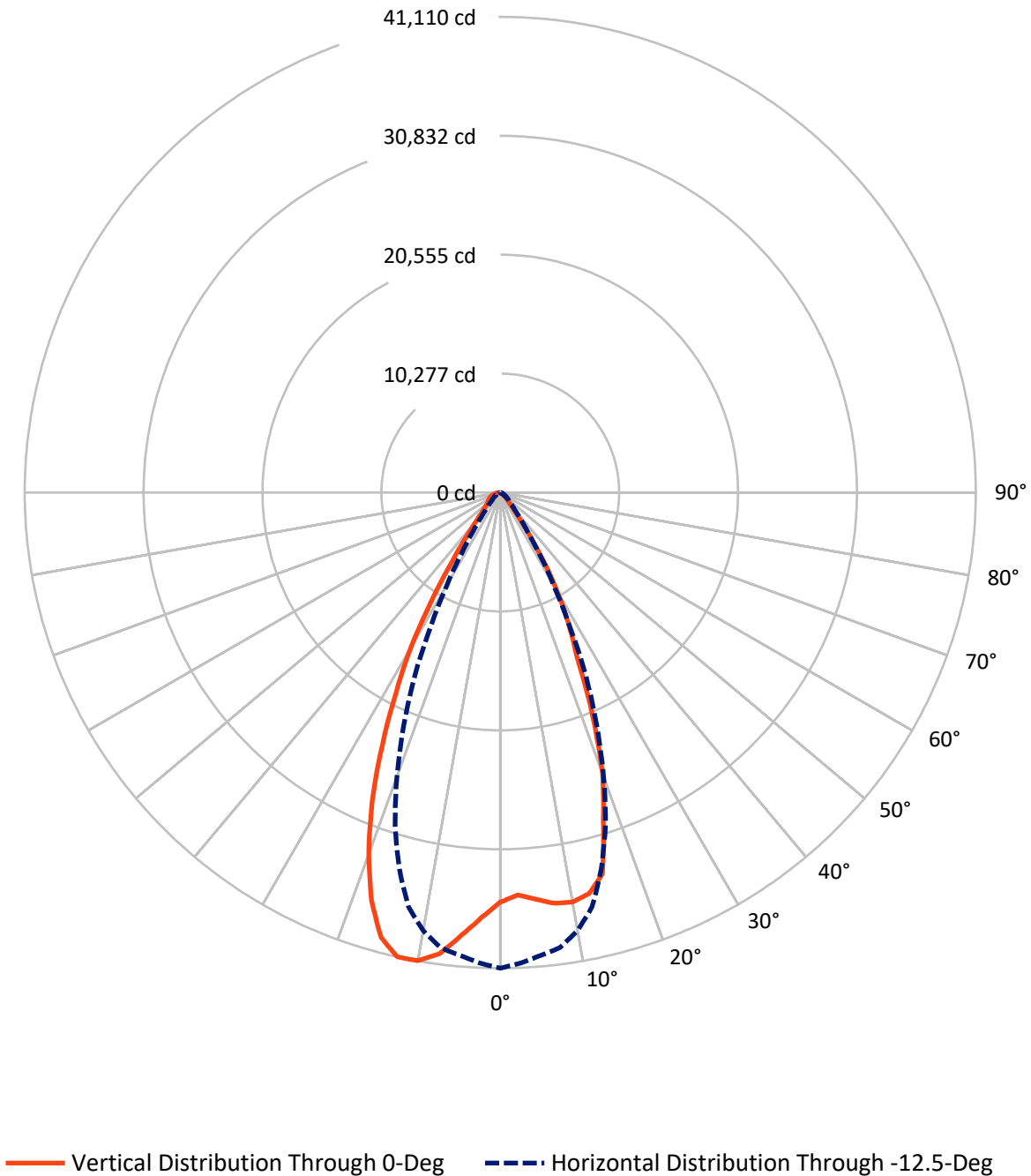
REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	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	0.1	0.0	0.0	0.0	0.1			
50		0.1	0.2	1.0	2.4	4.0	5.6	6.5	6.5	5.6	4.0	2.4	1.0	0.2	0.1				
40	0.2	0.2	1.1	4.1	8.2	13.5	20.1	24.7	24.7	20.1	13.5	8.2	4.1	1.1	0.2	0.2			
30		0.5	3.3	8.5	17.6	38.1	86.6	132.3	132.3	86.6	38.1	17.6	8.5	3.3	0.5				
20	0.3	1.2	5.5	13.7	36.8	136.4	351.2	491.0	491.0	351.2	136.4	36.8	13.7	5.5	1.2	0.3			
10		1.9	7.7	21.2	87.6	378.8	790.2	978.4	978.4	790.2	378.8	87.6	21.2	7.7	1.9				
0	0.6	2.6	9.5	27.3	139.5	557.8	1018.9	1104.6	1104.6	1018.9	557.8	139.5	27.3	9.5	2.6	0.6			
-10		3.0	10.4	29.2	146.0	576.1	1055.6	1172.4	1172.4	1055.6	576.1	146.0	29.2	10.4	3.0				
-20	0.8	3.2	10.6	26.6	104.4	428.9	890.5	1137.0	1137.0	890.5	428.9	104.4	26.6	10.6	3.2	0.8			
-30		3.1	10.1	22.1	58.4	208.1	496.2	698.2	698.2	496.2	208.1	58.4	22.1	10.1	3.1				
-40	0.8	2.7	9.0	18.3	34.8	74.1	155.0	230.1	230.1	155.0	74.1	34.8	18.3	9.0	2.7	0.8			
-50		2.3	7.6	15.3	25.5	37.6	52.9	62.7	62.7	52.9	37.6	25.5	15.3	7.6	2.3				
-60	0.5	1.7	5.7	12.0	20.0	27.7	34.6	37.8	37.8	34.6	27.7	20.0	12.0	5.7	1.7	0.5			
-70		1.2	3.6	8.2	14.0	19.8	25.1	28.0	28.0	25.1	19.8	14.0	8.2	3.6	1.2				
-80	0.2	3.2	14.8	31.5	40.3	31.5	14.8	3.2	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

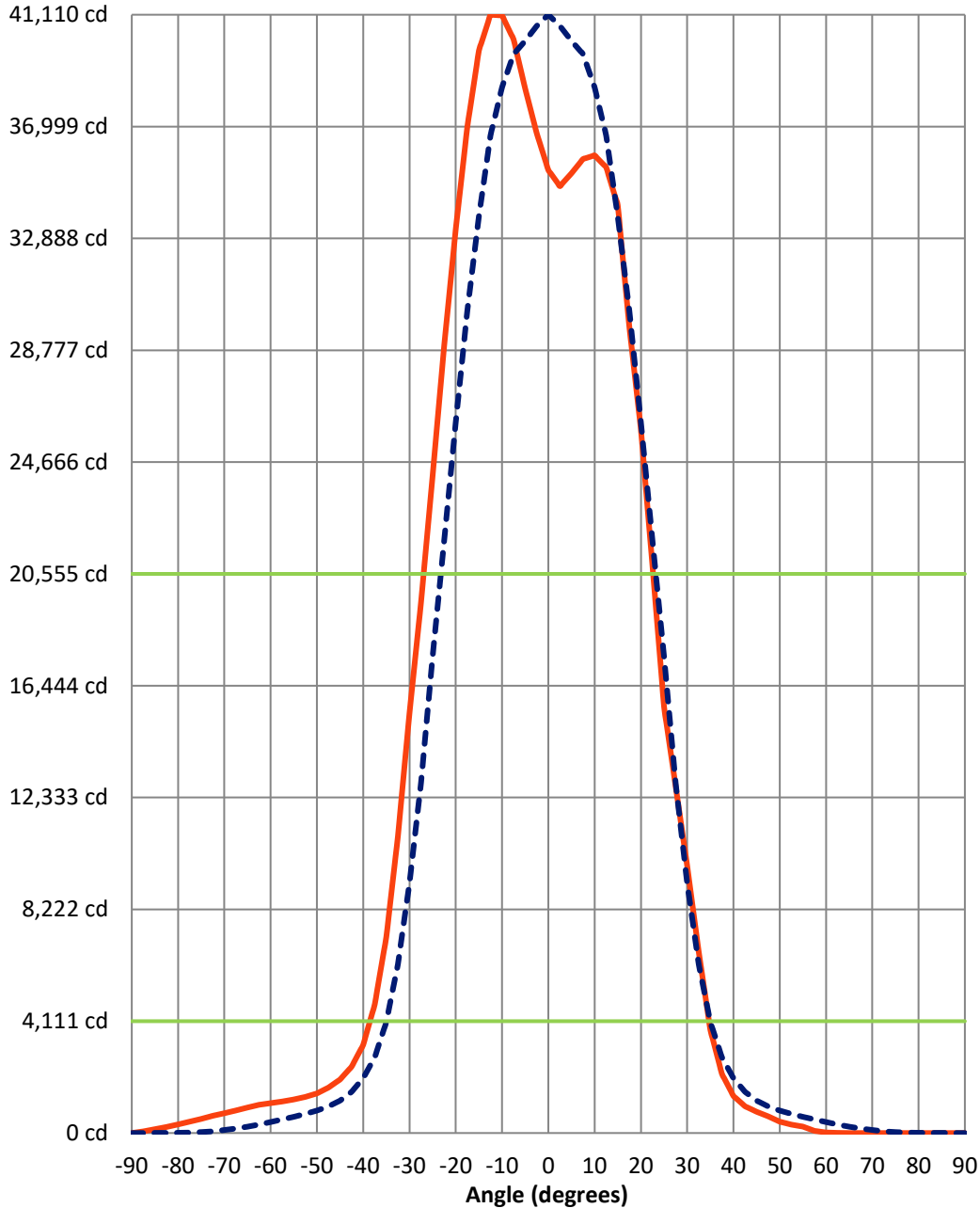
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 19654.1
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 26448.6
 Efficiency: 90.1%

Spill:
 Lumens: 2894.8
 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	2	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	4	4	3	3	5	6	6	7
55°	0	0	1	4	5	3	4	7	6	7	7
52.5°	0	0	1	5	5	3	5	7	7	7	7
50°	0	0	2	6	5	4	6	7	7	7	8
47.5°	0	0	2	6	5	5	7	8	7	7	9
45°	0	0	3	6	5	5	7	8	7	8	11
42.5°	0	0	3	7	5	6	8	9	8	10	14
40°	0	0	4	7	6	6	9	9	9	12	16
37.5°	0	0	4	7	6	7	10	10	11	15	19
35°	0	0	4	7	6	7	11	10	13	19	25
32.5°	0	0	5	7	7	8	11	10	16	24	40
30°	0	0	5	7	7	9	12	11	19	30	54
27.5°	0	0	5	7	7	9	12	13	22	36	67
25°	0	0	5	7	7	10	13	16	27	45	78
22.5°	0	0	6	7	7	11	13	18	33	55	92
20°	0	0	6	7	7	11	13	20	38	65	107
17.5°	0	0	6	7	7	12	14	22	44	73	121
15°	0	0	6	7	7	12	15	25	50	80	136
12.5°	0	0	6	7	7	13	15	30	56	86	150
10°	0	0	6	7	7	13	16	35	61	97	164
7.5°	0	0	7	7	7	13	17	40	65	109	175
5°	0	0	7	7	7	13	18	45	68	120	183
2.5°	0	0	7	7	7	13	19	49	71	131	190
0°	0	0	7	7	7	14	20	54	74	141	195
-2.5°	0	0	7	7	7	14	24	56	84	148	206
-5°	0	0	7	7	8	15	27	57	93	153	215
-7.5°	0	0	7	7	8	15	30	59	100	158	223
-10°	0	1	7	7	9	16	33	60	107	162	228
-12.5°	0	1	6	7	9	16	35	60	112	165	233
-15°	0	1	6	7	10	17	37	61	113	167	235
-17.5°	0	1	6	7	10	17	38	63	112	168	235
-20°	0	1	6	7	10	17	38	66	111	167	232

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REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-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	39	67	109	165	226
-25°	0	1	6	7	10	18	39	68	107	161	217
-27.5°	0	1	6	7	10	20	38	68	104	156	212
-30°	0	1	6	7	10	21	38	67	103	152	206
-32.5°	0	2	6	7	10	21	36	66	102	147	198
-35°	0	2	6	7	11	22	37	64	99	143	188
-37.5°	0	2	6	7	11	22	37	62	95	138	185
-40°	0	2	6	7	11	22	37	60	89	132	182
-42.5°	0	2	6	7	11	22	37	57	85	126	176
-45°	0	2	6	7	12	22	36	54	81	118	168
-47.5°	0	2	6	7	12	22	35	53	77	109	157
-50°	0	2	6	8	12	21	34	51	73	104	145
-52.5°	0	2	6	8	12	20	33	48	70	99	132
-55°	0	2	6	8	12	20	31	45	67	92	125
-57.5°	0	2	6	8	12	19	30	43	62	87	116
-60°	0	1	6	8	12	18	28	41	58	81	106
-62.5°	0	1	5	8	12	17	26	38	54	74	98
-65°	0	1	5	8	11	16	24	35	49	67	88
-67.5°	0	1	5	8	11	15	22	32	44	59	78
-70°	0	1	4	8	11	14	19	28	38	51	67
-72.5°	0	1	4	7	10	14	18	24	33	43	56
-75°	0	1	3	6	10	13	17	21	27	36	46
-77.5°	0	1	3	5	9	12	15	19	23	29	36
-80°	0	1	2	4	7	10	14	17	20	24	29
-82.5°	0	0	2	3	5	8	10	14	17	20	24
-85°	0	0	1	2	3	5	7	9	11	14	17
-87.5°	0	0	1	1	2	3	3	5	6	7	9
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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	6	5	5	7	6	4	5	5	6	16
57.5°	7	6	6	7	8	7	8	10	24	40	45
55°	7	7	8	9	10	12	18	38	56	70	75
52.5°	8	8	10	13	16	25	47	69	87	100	119
50°	9	11	14	19	30	53	78	103	126	148	173
47.5°	11	14	20	30	55	84	115	147	174	204	241
45°	14	22	29	52	83	121	159	194	223	258	291
42.5°	17	33	49	74	118	163	207	235	267	305	349
40°	28	46	71	109	156	209	248	279	312	366	419
37.5°	41	65	94	143	200	252	289	327	375	437	500
35°	56	83	125	180	244	291	333	380	447	518	593
32.5°	72	99	156	218	278	329	376	445	516	594	697
30°	87	125	186	254	310	364	429	506	576	672	793
27.5°	103	151	217	284	341	397	483	558	638	747	892
25°	120	179	246	311	370	440	535	615	697	836	1031
22.5°	141	205	274	336	397	486	588	687	795	933	1174
20°	163	229	300	365	424	531	645	766	912	1104	1420
17.5°	184	252	324	395	469	578	705	848	1030	1270	1734
15°	202	272	348	425	512	627	767	942	1162	1461	2037
12.5°	220	289	371	455	549	670	820	1012	1271	1701	2425
10°	235	305	393	483	583	709	867	1070	1360	1872	2715
7.5°	248	322	414	510	611	742	907	1117	1438	2008	2941
5°	259	342	432	530	633	770	939	1154	1504	2107	3115
2.5°	268	361	446	546	649	792	965	1188	1568	2188	3263
0°	276	377	458	559	661	809	984	1213	1618	2245	3377
-2.5°	286	386	474	570	679	820	993	1232	1634	2252	3354
-5°	294	392	487	578	694	827	995	1239	1632	2235	3285
-7.5°	300	396	497	584	702	831	996	1234	1615	2198	3173
-10°	305	400	500	592	705	830	991	1219	1576	2125	3004
-12.5°	312	404	501	595	704	826	978	1192	1516	2016	2786
-15°	316	406	500	595	700	817	957	1154	1435	1871	2517
-17.5°	318	407	498	590	695	804	929	1108	1361	1744	2325
-20°	317	406	495	580	687	790	910	1073	1299	1622	2091

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	314	403	491	572	674	776	887	1030	1220	1485	1863
-25°	308	398	485	567	659	759	859	984	1149	1384	1698
-27.5°	297	390	475	558	642	739	833	947	1092	1272	1524
-30°	283	378	462	546	629	719	809	905	1032	1190	1392
-32.5°	268	366	448	529	612	698	783	873	981	1112	1270
-35°	258	349	433	510	592	675	757	840	929	1045	1181
-37.5°	252	333	418	490	568	649	728	807	889	981	1103
-40°	243	316	400	473	543	621	698	772	849	940	1034
-42.5°	233	304	381	455	521	594	666	738	815	899	988
-45°	223	289	362	431	499	566	637	704	779	858	940
-47.5°	211	273	343	404	470	538	606	673	738	813	892
-50°	195	254	318	377	436	503	571	638	703	766	835
-52.5°	180	232	293	351	405	461	531	599	663	726	787
-55°	163	212	266	323	377	427	487	556	620	681	744
-57.5°	149	190	240	294	348	399	454	513	576	635	696
-60°	137	171	213	264	316	367	420	475	532	589	644
-62.5°	124	154	188	230	279	330	380	431	485	534	583
-65°	112	136	165	200	239	285	333	382	431	475	516
-67.5°	99	120	144	170	204	242	281	326	371	413	453
-70°	85	104	124	146	171	203	238	274	310	348	386
-72.5°	71	88	105	123	145	172	199	228	260	292	325
-75°	58	71	86	102	120	142	165	190	215	240	268
-77.5°	46	57	69	81	95	112	130	150	170	191	211
-80°	35	43	53	63	74	86	98	111	127	143	161
-82.5°	28	33	39	46	53	61	70	79	91	103	115
-85°	20	24	27	31	35	40	45	50	58	65	73
-87.5°	10	12	14	15	17	19	22	24	27	31	35
-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	2	1	3	4	5	5	5
60°	18	13	17	22	21	16	24	27	25	20	21
57.5°	47	51	58	68	75	80	86	93	98	101	104
55°	87	104	122	131	145	167	186	188	192	196	208
52.5°	139	159	168	184	213	231	240	255	272	289	303
50°	201	218	239	264	292	310	316	343	377	404	421
47.5°	265	287	324	370	393	413	441	477	514	554	585
45°	323	364	411	452	483	517	555	599	658	713	755
42.5°	390	436	484	531	565	623	689	741	825	899	945
40°	468	514	582	639	710	784	897	1003	1109	1232	1321
37.5°	561	632	728	821	926	1035	1238	1446	1616	1855	1988
35°	674	784	919	1058	1226	1487	1784	2186	2604	2952	3288
32.5°	804	944	1131	1379	1662	2081	2527	3267	3989	4710	5417
30°	931	1135	1422	1762	2227	2890	3731	4875	6114	7200	8182
27.5°	1102	1391	1763	2272	3063	4034	5587	7176	8754	10163	11175
25°	1308	1695	2221	3064	4206	5816	7898	9845	11698	13079	14243
22.5°	1605	2186	2933	4006	6080	8319	10809	13260	15340	17081	18228
20°	1973	2758	4008	5952	8392	11192	14397	16975	19537	21496	23246
17.5°	2494	3744	5508	7978	10893	14628	17928	20803	24056	26058	27843
15°	2963	4569	7085	10235	13651	17609	21502	25022	28163	30363	32358
12.5°	3555	5447	8338	12044	15780	20186	24233	28003	31078	33343	34738
10°	4086	6346	9590	13466	17648	22252	26445	30369	33348	35098	36125
7.5°	4514	7093	10604	14683	19098	23732	28162	32056	34907	36371	37072
5°	4846	7647	11399	15681	20266	25008	29529	33341	35742	36952	37344
2.5°	5096	8033	11933	16337	21055	25950	30566	34323	36371	37244	37374
0°	5264	8304	12281	16750	21731	26288	31127	34942	36890	37591	37659
-2.5°	5224	8206	12266	16600	21653	26439	31217	34982	37066	38008	38161
-5°	5118	7975	11859	16176	21038	25831	30387	34362	36921	38343	38973
-7.5°	4913	7576	11163	15364	20040	24838	29484	33608	36552	38554	39787
-10°	4564	6993	10273	14337	18945	23517	28110	32391	35561	37971	39688
-12.5°	4087	6202	9189	12882	17515	21783	26132	30234	33694	36665	38440
-15°	3595	5379	8061	11441	15474	19677	23695	27720	31136	33914	36127
-17.5°	3244	4658	6755	9713	13254	17242	21162	24859	27942	30554	32875
-20°	2800	3850	5511	7998	11116	14602	18357	21647	24400	26849	29067



REPORT NUMBER: P627676 (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°
-22.5°	2447	3297	4497	6194	8994	12069	15141	18170	20758	22939	24831
-25°	2126	2723	3661	5041	6862	9517	12105	14663	17053	19080	20785
-27.5°	1874	2349	2974	3956	5339	6888	9156	11294	13348	15202	16809
-30°	1645	2001	2490	3105	4044	5196	6559	8158	9796	11259	12720
-32.5°	1481	1734	2070	2526	3053	3877	4701	5777	6814	7881	8929
-35°	1333	1537	1766	2071	2432	2913	3456	4113	4667	5366	6010
-37.5°	1232	1375	1550	1743	2001	2269	2637	3036	3380	3769	4096
-40°	1148	1261	1379	1509	1686	1867	2105	2329	2547	2784	2961
-42.5°	1078	1168	1253	1354	1459	1604	1763	1903	2036	2175	2291
-45°	1022	1090	1158	1236	1316	1421	1534	1639	1725	1802	1866
-47.5°	963	1023	1084	1144	1212	1288	1363	1429	1501	1562	1605
-50°	904	964	1019	1071	1130	1190	1249	1302	1353	1398	1425
-52.5°	847	909	963	1011	1061	1110	1158	1207	1251	1291	1309
-55°	804	861	916	959	1001	1042	1085	1131	1173	1211	1223
-57.5°	756	814	867	907	945	983	1023	1065	1105	1141	1152
-60°	701	762	809	846	885	926	964	1002	1039	1070	1083
-62.5°	636	691	733	770	806	839	880	920	959	990	1009
-65°	559	606	647	684	718	751	790	826	861	889	909
-67.5°	491	528	562	595	628	662	697	732	765	789	805
-70°	423	458	490	521	550	579	609	638	666	687	703
-72.5°	358	388	415	443	470	496	521	545	569	588	603
-75°	296	321	345	368	391	411	431	450	469	484	498
-77.5°	233	254	274	294	313	330	345	359	373	387	399
-80°	178	193	208	223	238	250	262	273	284	294	304
-82.5°	128	138	148	157	167	176	184	193	200	208	215
-85°	81	87	92	98	103	108	114	119	123	128	133
-87.5°	39	41	44	46	49	51	54	56	59	61	63
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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	7	7	7	6	6	5	5	5	4
60°	21	20	20	20	20	20	21	21	20	25	27
57.5°	101	94	88	81	88	94	101	104	101	98	93
55°	220	233	238	236	238	233	220	208	196	192	188
52.5°	313	319	317	310	317	319	313	303	289	272	255
50°	428	428	425	418	425	428	428	421	404	377	343
47.5°	601	610	614	613	614	610	601	585	554	514	477
45°	771	779	783	782	783	779	771	755	713	658	599
42.5°	969	984	989	984	989	984	969	945	899	825	741
40°	1373	1391	1383	1362	1383	1391	1373	1321	1232	1109	1003
37.5°	2081	2148	2176	2177	2176	2148	2081	1988	1855	1616	1446
35°	3589	3829	3939	3802	3939	3829	3589	3288	2952	2604	2186
32.5°	5994	6420	6660	6660	6660	6420	5994	5417	4710	3989	3267
30°	8924	9458	9757	9821	9757	9458	8924	8182	7200	6114	4875
27.5°	11964	12515	12801	12760	12801	12515	11964	11175	10163	8754	7176
25°	15014	15431	15672	15678	15672	15431	15014	14243	13079	11698	9845
22.5°	19519	20397	20758	20855	20758	20397	19519	18228	17081	15340	13260
20°	24430	25281	25830	25863	25830	25281	24430	23246	21496	19537	16975
17.5°	29109	29531	29609	29644	29609	29531	29109	27843	26058	24056	20803
15°	33519	33668	34058	34106	34058	33668	33519	32358	30363	28163	25022
12.5°	35615	35750	35683	35502	35683	35750	35615	34738	33343	31078	28003
10°	36756	36565	36281	35940	36281	36565	36756	36125	35098	33348	30369
7.5°	37015	36803	36302	35805	36302	36803	37015	37072	36371	34907	32056
5°	37137	36515	35882	35279	35882	36515	37137	37344	36952	35742	33341
2.5°	37065	36325	35456	34807	35456	36325	37065	37374	37244	36371	34323
0°	37301	36553	35643	35401	35643	36553	37301	37659	37591	36890	34942
-2.5°	37960	37353	36878	36749	36878	37353	37960	38161	38008	37066	34982
-5°	39144	39011	38204	38393	38204	39011	39144	38973	38343	36921	34362
-7.5°	40289	40099	39758	40200	39758	40099	40289	39787	38554	36552	33608
-10°	40593	40531	40691	41083	40691	40531	40593	39688	37971	35561	32391
-12.5°	39660	40149	40697	41110	40697	40149	39660	38440	36665	33694	30234
-15°	37581	38581	39400	39789	39400	38581	37581	36127	33914	31136	27720
-17.5°	34518	35744	36715	36991	36715	35744	34518	32875	30554	27942	24859
-20°	30747	31994	32878	33230	32878	31994	30747	29067	26849	24400	21647



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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°	26504	27721	28522	28943	28522	27721	26504	24831	22939	20758	18170
-25°	22197	23267	23977	24164	23977	23267	22197	20785	19080	17053	14663
-27.5°	18078	18939	19462	19520	19462	18939	18078	16809	15202	13348	11294
-30°	13935	14734	15188	15429	15188	14734	13935	12720	11259	9796	8158
-32.5°	9787	10421	10805	10906	10805	10421	9787	8929	7881	6814	5777
-35°	6525	6920	7163	7212	7163	6920	6525	6010	5366	4667	4113
-37.5°	4363	4555	4674	4732	4674	4555	4363	4096	3769	3380	3036
-40°	3091	3181	3232	3242	3232	3181	3091	2961	2784	2547	2329
-42.5°	2364	2410	2434	2440	2434	2410	2364	2291	2175	2036	1903
-45°	1910	1942	1962	1968	1962	1942	1910	1866	1802	1725	1639
-47.5°	1634	1655	1667	1672	1667	1655	1634	1605	1562	1501	1429
-50°	1442	1453	1458	1456	1458	1453	1442	1425	1398	1353	1302
-52.5°	1320	1328	1331	1328	1331	1328	1320	1309	1291	1251	1207
-55°	1231	1236	1237	1234	1237	1236	1231	1223	1211	1173	1131
-57.5°	1161	1168	1166	1159	1166	1168	1161	1152	1141	1105	1065
-60°	1093	1101	1102	1099	1102	1101	1093	1083	1070	1039	1002
-62.5°	1025	1039	1041	1038	1041	1039	1025	1009	990	959	920
-65°	927	944	943	937	943	944	927	909	889	861	826
-67.5°	819	831	832	829	832	831	819	805	789	765	732
-70°	717	730	731	728	731	730	717	703	687	666	638
-72.5°	617	630	633	634	633	630	617	603	588	569	545
-75°	511	523	522	519	522	523	511	498	484	469	450
-77.5°	411	422	421	418	421	422	411	399	387	373	359
-80°	313	322	320	317	320	322	313	304	294	284	273
-82.5°	222	228	226	222	226	228	222	215	208	200	193
-85°	137	141	141	142	141	141	137	133	128	123	119
-87.5°	65	67	64	61	64	67	65	63	61	59	56
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-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°	24	16	21	22	17	13	18	16	6	5	5
57.5°	86	80	75	68	58	51	47	45	40	24	10
55°	186	167	145	131	122	104	87	75	70	56	38
52.5°	240	231	213	184	168	159	139	119	100	87	69
50°	316	310	292	264	239	218	201	173	148	126	103
47.5°	441	413	393	370	324	287	265	241	204	174	147
45°	555	517	483	452	411	364	323	291	258	223	194
42.5°	689	623	565	531	484	436	390	349	305	267	235
40°	897	784	710	639	582	514	468	419	366	312	279
37.5°	1238	1035	926	821	728	632	561	500	437	375	327
35°	1784	1487	1226	1058	919	784	674	593	518	447	380
32.5°	2527	2081	1662	1379	1131	944	804	697	594	516	445
30°	3731	2890	2227	1762	1422	1135	931	793	672	576	506
27.5°	5587	4034	3063	2272	1763	1391	1102	892	747	638	558
25°	7898	5816	4206	3064	2221	1695	1308	1031	836	697	615
22.5°	10809	8319	6080	4006	2933	2186	1605	1174	933	795	687
20°	14397	11192	8392	5952	4008	2758	1973	1420	1104	912	766
17.5°	17928	14628	10893	7978	5508	3744	2494	1734	1270	1030	848
15°	21502	17609	13651	10235	7085	4569	2963	2037	1461	1162	942
12.5°	24233	20186	15780	12044	8338	5447	3555	2425	1701	1271	1012
10°	26445	22252	17648	13466	9590	6346	4086	2715	1872	1360	1070
7.5°	28162	23732	19098	14683	10604	7093	4514	2941	2008	1438	1117
5°	29529	25008	20266	15681	11399	7647	4846	3115	2107	1504	1154
2.5°	30566	25950	21055	16337	11933	8033	5096	3263	2188	1568	1188
0°	31127	26288	21731	16750	12281	8304	5264	3377	2245	1618	1213
-2.5°	31217	26439	21653	16600	12266	8206	5224	3354	2252	1634	1232
-5°	30387	25831	21038	16176	11859	7975	5118	3285	2235	1632	1239
-7.5°	29484	24838	20040	15364	11163	7576	4913	3173	2198	1615	1234
-10°	28110	23517	18945	14337	10273	6993	4564	3004	2125	1576	1219
-12.5°	26132	21783	17515	12882	9189	6202	4087	2786	2016	1516	1192
-15°	23695	19677	15474	11441	8061	5379	3595	2517	1871	1435	1154
-17.5°	21162	17242	13254	9713	6755	4658	3244	2325	1744	1361	1108
-20°	18357	14602	11116	7998	5511	3850	2800	2091	1622	1299	1073



REPORT NUMBER: P627676 (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°
-22.5°	15141	12069	8994	6194	4497	3297	2447	1863	1485	1220	1030
-25°	12105	9517	6862	5041	3661	2723	2126	1698	1384	1149	984
-27.5°	9156	6888	5339	3956	2974	2349	1874	1524	1272	1092	947
-30°	6559	5196	4044	3105	2490	2001	1645	1392	1190	1032	905
-32.5°	4701	3877	3053	2526	2070	1734	1481	1270	1112	981	873
-35°	3456	2913	2432	2071	1766	1537	1333	1181	1045	929	840
-37.5°	2637	2269	2001	1743	1550	1375	1232	1103	981	889	807
-40°	2105	1867	1686	1509	1379	1261	1148	1034	940	849	772
-42.5°	1763	1604	1459	1354	1253	1168	1078	988	899	815	738
-45°	1534	1421	1316	1236	1158	1090	1022	940	858	779	704
-47.5°	1363	1288	1212	1144	1084	1023	963	892	813	738	673
-50°	1249	1190	1130	1071	1019	964	904	835	766	703	638
-52.5°	1158	1110	1061	1011	963	909	847	787	726	663	599
-55°	1085	1042	1001	959	916	861	804	744	681	620	556
-57.5°	1023	983	945	907	867	814	756	696	635	576	513
-60°	964	926	885	846	809	762	701	644	589	532	475
-62.5°	880	839	806	770	733	691	636	583	534	485	431
-65°	790	751	718	684	647	606	559	516	475	431	382
-67.5°	697	662	628	595	562	528	491	453	413	371	326
-70°	609	579	550	521	490	458	423	386	348	310	274
-72.5°	521	496	470	443	415	388	358	325	292	260	228
-75°	431	411	391	368	345	321	296	268	240	215	190
-77.5°	345	330	313	294	274	254	233	211	191	170	150
-80°	262	250	238	223	208	193	178	161	143	127	111
-82.5°	184	176	167	157	148	138	128	115	103	91	79
-85°	114	108	103	98	92	87	81	73	65	58	50
-87.5°	54	51	49	46	44	41	39	35	31	27	24
-90°	0	0	0	0	0	0	0	0	0	0	0

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627676 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-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	6	7	6	5	5	3
57.5°	8	7	8	7	6	6	7	7	6	6	5
55°	18	12	10	9	8	7	7	7	7	6	7
52.5°	47	25	16	13	10	8	8	7	7	7	7
50°	78	53	30	19	14	11	9	8	7	7	7
47.5°	115	84	55	30	20	14	11	9	7	7	8
45°	159	121	83	52	29	22	14	11	8	7	8
42.5°	207	163	118	74	49	33	17	14	10	8	9
40°	248	209	156	109	71	46	28	16	12	9	9
37.5°	289	252	200	143	94	65	41	19	15	11	10
35°	333	291	244	180	125	83	56	25	19	13	10
32.5°	376	329	278	218	156	99	72	40	24	16	10
30°	429	364	310	254	186	125	87	54	30	19	11
27.5°	483	397	341	284	217	151	103	67	36	22	13
25°	535	440	370	311	246	179	120	78	45	27	16
22.5°	588	486	397	336	274	205	141	92	55	33	18
20°	645	531	424	365	300	229	163	107	65	38	20
17.5°	705	578	469	395	324	252	184	121	73	44	22
15°	767	627	512	425	348	272	202	136	80	50	25
12.5°	820	670	549	455	371	289	220	150	86	56	30
10°	867	709	583	483	393	305	235	164	97	61	35
7.5°	907	742	611	510	414	322	248	175	109	65	40
5°	939	770	633	530	432	342	259	183	120	68	45
2.5°	965	792	649	546	446	361	268	190	131	71	49
0°	984	809	661	559	458	377	276	195	141	74	54
-2.5°	993	820	679	570	474	386	286	206	148	84	56
-5°	995	827	694	578	487	392	294	215	153	93	57
-7.5°	996	831	702	584	497	396	300	223	158	100	59
-10°	991	830	705	592	500	400	305	228	162	107	60
-12.5°	978	826	704	595	501	404	312	233	165	112	60
-15°	957	817	700	595	500	406	316	235	167	113	61
-17.5°	929	804	695	590	498	407	318	235	168	112	63
-20°	910	790	687	580	495	406	317	232	167	111	66

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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°	887	776	674	572	491	403	314	226	165	109	67
-25°	859	759	659	567	485	398	308	217	161	107	68
-27.5°	833	739	642	558	475	390	297	212	156	104	68
-30°	809	719	629	546	462	378	283	206	152	103	67
-32.5°	783	698	612	529	448	366	268	198	147	102	66
-35°	757	675	592	510	433	349	258	188	143	99	64
-37.5°	728	649	568	490	418	333	252	185	138	95	62
-40°	698	621	543	473	400	316	243	182	132	89	60
-42.5°	666	594	521	455	381	304	233	176	126	85	57
-45°	637	566	499	431	362	289	223	168	118	81	54
-47.5°	606	538	470	404	343	273	211	157	109	77	53
-50°	571	503	436	377	318	254	195	145	104	73	51
-52.5°	531	461	405	351	293	232	180	132	99	70	48
-55°	487	427	377	323	266	212	163	125	92	67	45
-57.5°	454	399	348	294	240	190	149	116	87	62	43
-60°	420	367	316	264	213	171	137	106	81	58	41
-62.5°	380	330	279	230	188	154	124	98	74	54	38
-65°	333	285	239	200	165	136	112	88	67	49	35
-67.5°	281	242	204	170	144	120	99	78	59	44	32
-70°	238	203	171	146	124	104	85	67	51	38	28
-72.5°	199	172	145	123	105	88	71	56	43	33	24
-75°	165	142	120	102	86	71	58	46	36	27	21
-77.5°	130	112	95	81	69	57	46	36	29	23	19
-80°	98	86	74	63	53	43	35	29	24	20	17
-82.5°	70	61	53	46	39	33	28	24	20	17	14
-85°	45	40	35	31	27	24	20	17	14	11	9
-87.5°	22	19	17	15	14	12	10	9	7	6	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	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°	3	3	4	4	0	0	0
55°	4	3	5	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	7	3	0	0
40°	9	6	6	7	4	0	0
37.5°	10	7	6	7	4	0	0
35°	11	7	6	7	4	0	0
32.5°	11	8	7	7	5	0	0
30°	12	9	7	7	5	0	0
27.5°	12	9	7	7	5	0	0
25°	13	10	7	7	5	0	0
22.5°	13	11	7	7	6	0	0
20°	13	11	7	7	6	0	0
17.5°	14	12	7	7	6	0	0
15°	15	12	7	7	6	0	0
12.5°	15	13	7	7	6	0	0
10°	16	13	7	7	6	0	0
7.5°	17	13	7	7	7	0	0
5°	18	13	7	7	7	0	0
2.5°	19	13	7	7	7	0	0
0°	20	14	7	7	7	0	0
-2.5°	24	14	7	7	7	0	0
-5°	27	15	8	7	7	0	0
-7.5°	30	15	8	7	7	0	0
-10°	33	16	9	7	7	1	0
-12.5°	35	16	9	7	6	1	0
-15°	37	17	10	7	6	1	0
-17.5°	38	17	10	7	6	1	0
-20°	38	17	10	7	6	1	0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	39	17	10	7	6	1	0
-25°	39	18	10	7	6	1	0
-27.5°	38	20	10	7	6	1	0
-30°	38	21	10	7	6	1	0
-32.5°	36	21	10	7	6	2	0
-35°	37	22	11	7	6	2	0
-37.5°	37	22	11	7	6	2	0
-40°	37	22	11	7	6	2	0
-42.5°	37	22	11	7	6	2	0
-45°	36	22	12	7	6	2	0
-47.5°	35	22	12	7	6	2	0
-50°	34	21	12	8	6	2	0
-52.5°	33	20	12	8	6	2	0
-55°	31	20	12	8	6	2	0
-57.5°	30	19	12	8	6	2	0
-60°	28	18	12	8	6	1	0
-62.5°	26	17	12	8	5	1	0
-65°	24	16	11	8	5	1	0
-67.5°	22	15	11	8	5	1	0
-70°	19	14	11	8	4	1	0
-72.5°	18	14	10	7	4	1	0
-75°	17	13	10	6	3	1	0
-77.5°	15	12	9	5	3	1	0
-80°	14	10	7	4	2	1	0
-82.5°	10	8	5	3	2	0	0
-85°	7	5	3	2	1	0	0
-87.5°	3	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)