

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: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6C-727-U-MWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627856 (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-SA6C-727-U-MWR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR  
Light Source: (96) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28039.2 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
NEMA Type: 4H x 5V  
Max Intensity: 39282.6 candela  
Max Intensity Angle: 0°H x -12.5°V  
Beam Angle (50%): 46.4°H x 49.6°V  
Beam Lumens: 18780.6 lumens  
Beam Efficiency: 67.0%  
Field Angle (10%): 69.9°H x 73.3°V  
Field Lumens: 25273.1 lumens  
Field Efficiency: 90.1%

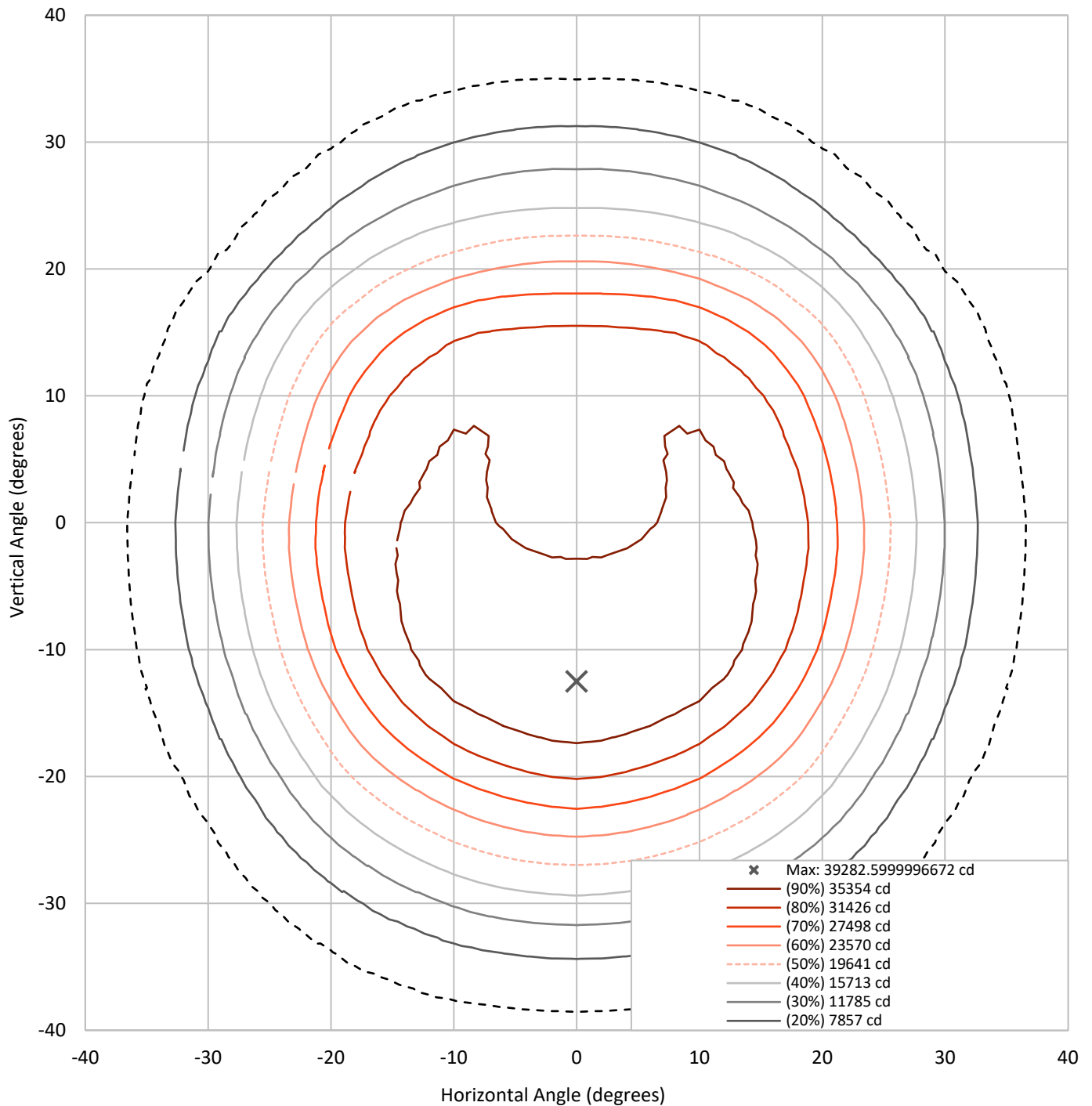
Input Watts (W): 247.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





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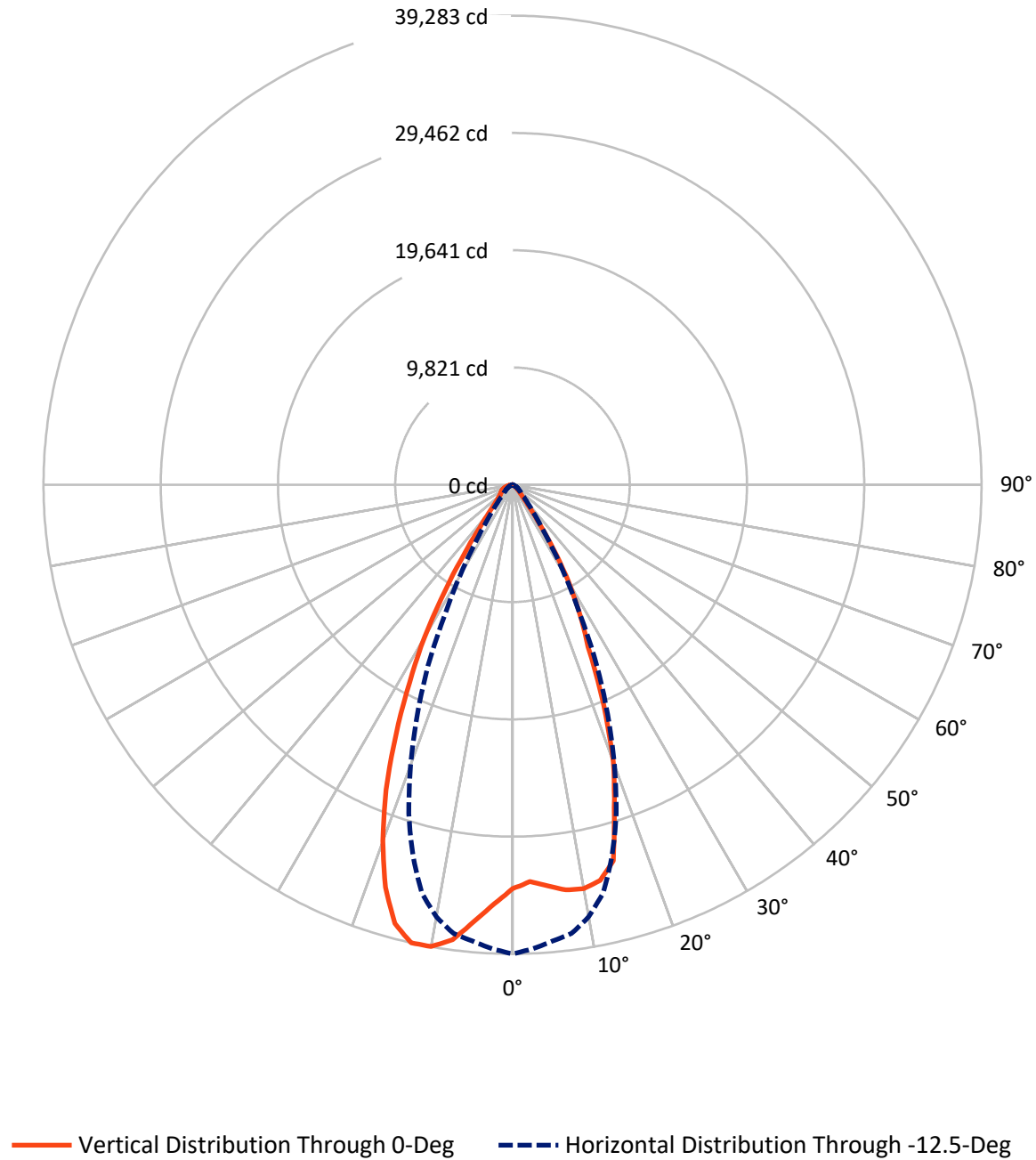
CATALOG NUMBER: GFLD-SA6C-727-U-MWR-VSR-XX

### 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	5.3	6.2	6.2	5.3	3.9	2.3	0.9	0.2		0.1			
40	0.1	0.2	1.1	4.0	7.9	12.9	19.2	23.6	23.6	19.2	12.9	7.9	4.0	1.1	0.2	0.1			
30		0.5	3.1	8.1	16.8	36.4	82.8	126.4	126.4	82.8	36.4	16.8	8.1	3.1	0.5				
20	0.3	1.1	5.2	13.1	35.2	130.4	335.6	469.2	469.2	335.6	130.4	35.2	13.1	5.2	1.1	0.3			
10		1.9	7.3	20.2	83.7	362.0	755.1	934.9	934.9	755.1	362.0	83.7	20.2	7.3	1.9				
0	0.6	2.4	9.0	26.1	133.3	533.0	973.6	1055.5	1055.5	973.6	533.0	133.3	26.1	9.0	2.4	0.6			
-10		2.9	10.0	27.9	139.5	550.5	1008.7	1120.3	1120.3	1008.7	550.5	139.5	27.9	10.0	2.9				
-20	0.8	3.1	10.1	25.4	99.8	409.9	850.9	1086.5	1086.5	850.9	409.9	99.8	25.4	10.1	3.1	0.8			
-30		3.0	9.6	21.1	55.8	198.9	474.1	667.2	667.2	474.1	198.9	55.8	21.1	9.6	3.0				
-40	0.7	2.6	8.6	17.5	33.3	70.8	148.1	219.8	219.8	148.1	70.8	33.3	17.5	8.6	2.6	0.7			
-50		2.2	7.2	14.6	24.3	35.9	50.5	59.9	59.9	50.5	35.9	24.3	14.6	7.2	2.2				
-60	0.5	1.7	5.4	11.5	19.1	26.5	33.0	36.1	36.1	33.0	26.5	19.1	11.5	5.4	1.7	0.5			
-70		1.1	3.5	7.8	13.4	18.9	24.0	26.8	26.8	24.0	18.9	13.4	7.8	3.5	1.1				
-80	0.2	3.1	14.1	30.1	38.5	30.1	14.1	3.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

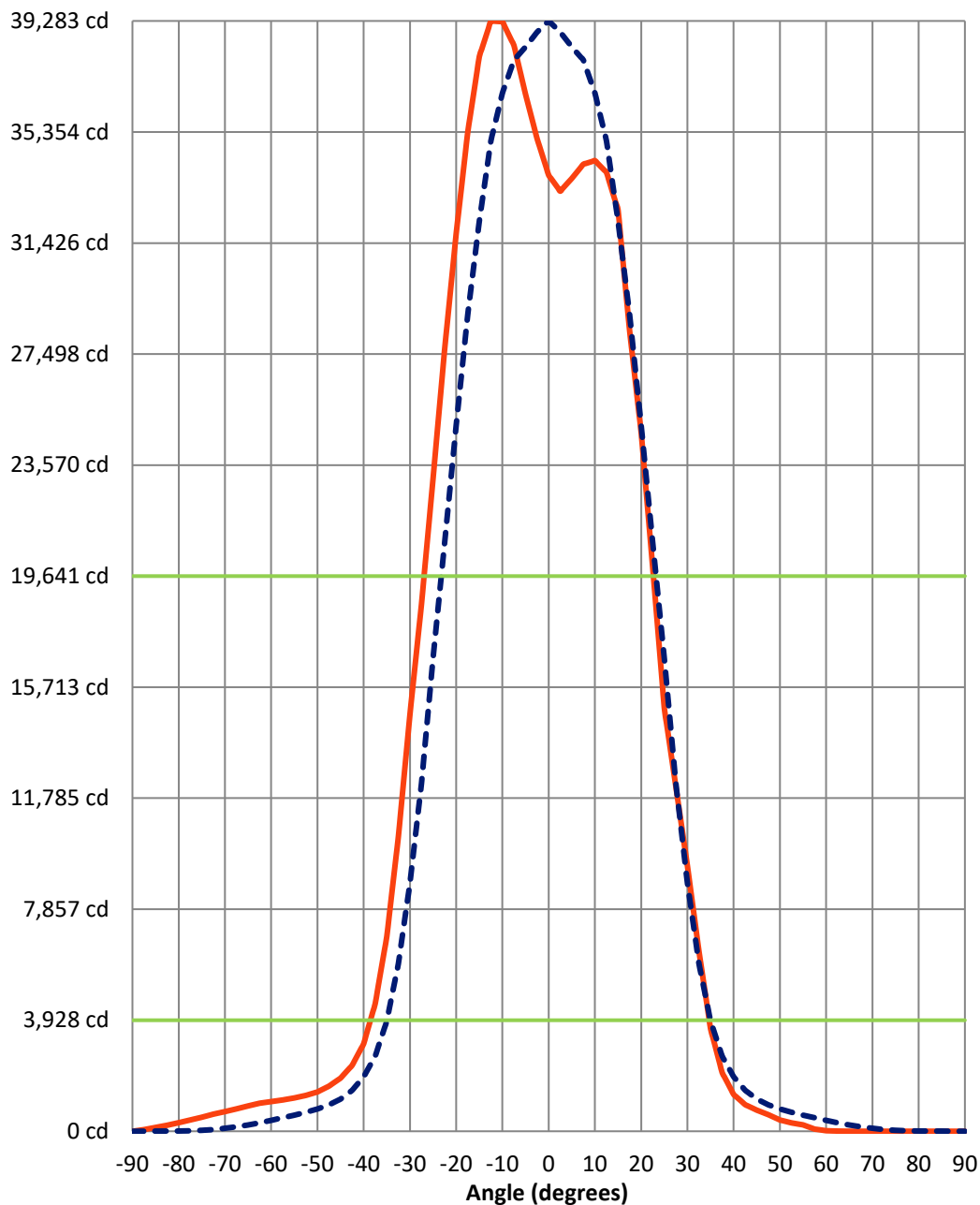
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.4°  
 V Angle: 49.6°  
 Lumens: 18780.6  
 Efficiency: 67.0%

**Field:**  
 H Angle: 69.9°  
 V Angle: 73.3°  
 Lumens: 25273.1  
 Efficiency: 90.1%

**Spill:**  
 Lumens: 2766.2  
 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	2	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	6
55°	0	0	1	4	4	3	4	6	6	6	6
52.5°	0	0	1	5	5	3	5	7	6	6	6
50°	0	0	2	5	5	4	6	7	6	6	7
47.5°	0	0	2	6	5	5	6	7	6	6	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	6	6	6	8	9	8	12	15
37.5°	0	0	4	6	6	6	9	9	10	15	18
35°	0	0	4	6	6	7	10	9	13	18	24
32.5°	0	0	4	6	6	8	11	10	15	23	38
30°	0	0	5	6	6	8	11	11	18	28	52
27.5°	0	0	5	6	6	9	12	13	21	34	64
25°	0	0	5	6	6	10	12	15	26	43	75
22.5°	0	0	5	6	6	10	12	17	31	53	88
20°	0	0	6	6	6	11	13	19	36	62	102
17.5°	0	0	6	6	6	11	13	21	42	70	116
15°	0	0	6	6	6	12	14	24	48	76	130
12.5°	0	0	6	6	6	12	15	29	53	83	144
10°	0	0	6	6	6	12	16	33	58	93	157
7.5°	0	0	6	6	6	13	17	38	62	104	167
5°	0	0	6	6	6	13	17	43	65	115	175
2.5°	0	0	6	6	6	13	18	47	68	125	182
0°	0	0	6	6	6	13	19	51	71	135	187
-2.5°	0	0	6	6	7	14	23	53	80	141	197
-5°	0	0	6	6	8	14	26	55	88	147	205
-7.5°	0	0	6	6	8	15	29	56	96	151	213
-10°	0	1	6	6	9	15	31	57	102	155	218
-12.5°	0	1	6	6	9	16	34	58	107	158	222
-15°	0	1	6	6	9	16	35	59	108	160	225
-17.5°	0	1	6	6	10	16	36	61	107	160	224
-20°	0	1	6	6	10	16	37	63	106	159	222

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REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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	6	10	17	37	64	104	157	216
-25°	0	1	6	6	10	18	37	65	102	154	208
-27.5°	0	1	6	6	10	19	37	65	100	149	203
-30°	0	1	6	6	9	20	36	64	99	145	197
-32.5°	0	1	5	6	10	20	35	63	97	141	189
-35°	0	2	5	6	10	21	35	61	94	137	180
-37.5°	0	2	5	6	11	21	35	59	90	132	177
-40°	0	2	5	6	11	21	35	57	85	127	174
-42.5°	0	2	5	7	11	21	35	54	81	120	168
-45°	0	2	5	7	11	21	34	52	77	113	160
-47.5°	0	2	5	7	12	21	33	51	73	104	150
-50°	0	2	5	7	12	20	32	49	70	100	139
-52.5°	0	2	5	8	12	20	31	46	67	95	127
-55°	0	2	5	8	12	19	30	43	64	88	119
-57.5°	0	1	5	8	11	18	29	41	60	83	110
-60°	0	1	6	8	11	18	27	39	55	77	102
-62.5°	0	1	5	8	11	17	25	37	51	70	93
-65°	0	1	5	8	11	15	23	34	47	64	84
-67.5°	0	1	5	8	11	14	21	30	42	57	75
-70°	0	1	4	8	10	14	19	27	37	49	64
-72.5°	0	1	4	7	10	13	17	23	31	41	53
-75°	0	1	3	6	10	12	16	20	26	34	44
-77.5°	0	1	3	5	8	11	14	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	13	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: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6C-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°	6	5	4	5	6	6	4	4	5	6	15
57.5°	6	6	6	7	7	7	8	9	23	38	43
55°	7	6	7	9	10	11	17	36	54	66	72
52.5°	7	7	10	12	15	24	44	66	83	96	113
50°	8	10	13	18	28	50	75	98	121	141	166
47.5°	11	13	19	28	52	81	110	140	166	195	230
45°	14	21	28	50	80	115	152	186	213	246	278
42.5°	16	31	47	71	113	156	198	225	255	291	333
40°	27	44	68	104	149	200	237	266	298	349	400
37.5°	40	62	90	137	191	241	276	312	359	418	478
35°	54	79	120	172	233	278	318	363	427	495	566
32.5°	69	95	149	209	266	314	359	425	493	567	666
30°	83	120	178	243	296	348	410	484	551	642	758
27.5°	98	145	208	271	326	379	462	533	610	714	852
25°	115	171	235	297	353	421	512	588	666	799	985
22.5°	135	195	262	321	379	465	562	656	760	892	1122
20°	156	219	286	349	406	507	616	732	871	1055	1357
17.5°	175	240	310	378	448	552	674	811	985	1214	1657
15°	193	260	333	406	489	599	732	900	1111	1396	1947
12.5°	210	277	355	434	525	640	784	967	1215	1625	2318
10°	225	292	376	461	557	677	828	1022	1300	1789	2594
7.5°	237	308	395	487	584	710	866	1067	1375	1918	2810
5°	247	327	413	506	605	736	898	1102	1438	2013	2977
2.5°	257	345	427	522	620	757	922	1135	1498	2091	3118
0°	264	361	438	535	631	773	940	1159	1546	2145	3227
-2.5°	273	369	453	544	649	784	949	1177	1561	2152	3205
-5°	281	375	466	552	663	791	951	1183	1559	2135	3139
-7.5°	287	378	475	558	671	794	952	1180	1543	2100	3032
-10°	292	382	478	565	673	793	947	1165	1506	2030	2870
-12.5°	298	386	479	569	672	789	935	1139	1449	1927	2663
-15°	302	388	478	568	669	780	915	1102	1372	1788	2405
-17.5°	304	389	476	564	664	768	888	1059	1301	1667	2221
-20°	303	388	473	554	656	755	869	1025	1241	1550	1998

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CATALOG NUMBER: GFLD-SA6C-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°
-22.5°	300	385	469	546	644	741	848	984	1166	1419	1781
-25°	294	380	464	541	629	725	820	940	1098	1322	1623
-27.5°	284	372	454	533	614	706	796	905	1043	1216	1456
-30°	270	361	442	521	601	687	773	865	986	1137	1330
-32.5°	256	349	428	506	585	667	748	834	937	1062	1213
-35°	246	334	414	487	566	645	723	802	888	999	1128
-37.5°	240	318	399	468	542	620	695	771	850	937	1054
-40°	232	302	382	452	519	594	667	738	811	899	988
-42.5°	223	290	364	435	498	567	637	705	779	859	944
-45°	213	276	346	412	477	541	608	673	744	820	898
-47.5°	201	261	327	386	449	514	579	643	706	777	852
-50°	187	243	304	360	417	481	545	610	672	732	798
-52.5°	172	222	280	335	387	441	507	572	634	694	752
-55°	155	202	255	309	360	408	465	531	592	651	711
-57.5°	142	182	230	281	332	381	434	490	550	607	665
-60°	131	163	204	252	302	351	402	454	508	563	615
-62.5°	119	147	180	220	267	316	363	412	464	510	557
-65°	107	130	158	191	228	272	318	365	412	454	493
-67.5°	95	115	137	162	195	231	269	311	354	395	433
-70°	82	99	119	140	164	194	228	262	297	332	369
-72.5°	68	84	100	117	139	164	191	218	248	279	311
-75°	56	68	82	97	115	135	157	181	205	230	256
-77.5°	44	55	66	77	91	107	124	143	163	182	202
-80°	34	41	50	60	70	82	94	107	121	137	154
-82.5°	27	32	38	44	51	58	66	76	87	98	110
-85°	19	22	26	29	34	38	43	48	55	62	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



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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	20	15	23	26	24	19	20
57.5°	45	49	56	65	72	76	82	89	94	97	99
55°	83	99	117	125	138	159	178	180	183	188	198
52.5°	133	152	161	176	203	221	229	244	260	276	290
50°	192	209	228	253	279	296	302	328	360	386	402
47.5°	253	275	310	353	376	395	422	456	491	529	559
45°	309	348	393	432	462	494	531	573	629	681	721
42.5°	373	417	462	507	540	595	658	708	788	859	903
40°	447	491	556	611	679	749	858	958	1060	1177	1262
37.5°	536	604	696	784	885	989	1183	1382	1544	1773	1899
35°	644	749	878	1011	1172	1421	1705	2089	2488	2821	3141
32.5°	768	902	1081	1318	1588	1988	2415	3122	3811	4500	5176
30°	890	1085	1359	1684	2128	2761	3565	4658	5842	6880	7818
27.5°	1053	1329	1684	2171	2927	3855	5339	6857	8365	9711	10678
25°	1249	1620	2122	2928	4019	5558	7547	9408	11178	12498	13610
22.5°	1534	2089	2802	3828	5809	7949	10329	12671	14658	16322	17418
20°	1886	2636	3830	5688	8019	10694	13757	16220	18669	20540	22212
17.5°	2383	3578	5264	7624	10409	13978	17131	19878	22987	24900	26606
15°	2831	4366	6770	9780	13044	16827	20546	23910	26911	29013	30920
12.5°	3397	5205	7967	11509	15078	19289	23156	26758	29697	31861	33194
10°	3904	6064	9164	12867	16864	21263	25270	29019	31866	33539	34520
7.5°	4314	6778	10133	14030	18249	22677	26910	30631	33356	34755	35424
5°	4631	7307	10892	14984	19365	23896	28216	31859	34153	35310	35684
2.5°	4869	7676	11403	15611	20119	24797	29207	32797	34755	35589	35713
0°	5030	7935	11735	16005	20765	25119	29744	33389	35251	35920	35985
-2.5°	4992	7841	11721	15863	20691	25264	29829	33427	35419	36319	36465
-5°	4891	7621	11332	15457	20103	24683	29037	32835	35280	36639	37241
-7.5°	4695	7239	10667	14681	19149	23734	28173	32115	34928	36840	38018
-10°	4361	6682	9817	13700	18103	22471	26861	30951	33981	36283	37924
-12.5°	3905	5926	8780	12310	16736	20815	24971	28890	32197	35035	36731
-15°	3435	5140	7703	10932	14786	18803	22642	26488	29752	32407	34522
-17.5°	3100	4451	6455	9282	12665	16476	20222	23754	26700	29196	31414
-20°	2676	3679	5266	7643	10622	13953	17541	20685	23316	25656	27775

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-727-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°	2338	3150	4297	5919	8595	11533	14468	17363	19835	21919	23728
-25°	2032	2602	3498	4817	6557	9094	11567	14012	16295	18232	19861
-27.5°	1791	2245	2842	3780	5101	6582	8749	10792	12755	14526	16062
-30°	1572	1912	2379	2967	3865	4965	6268	7796	9361	10759	12155
-32.5°	1415	1657	1978	2414	2917	3704	4492	5520	6511	7531	8532
-35°	1274	1469	1687	1979	2324	2783	3302	3930	4460	5128	5743
-37.5°	1177	1314	1481	1665	1912	2168	2520	2901	3230	3601	3914
-40°	1097	1205	1317	1442	1611	1784	2011	2226	2434	2661	2830
-42.5°	1030	1116	1197	1293	1394	1533	1685	1819	1945	2078	2189
-45°	977	1041	1107	1181	1257	1358	1466	1566	1648	1722	1783
-47.5°	920	978	1036	1093	1158	1231	1302	1366	1435	1492	1534
-50°	864	921	974	1023	1080	1137	1193	1244	1293	1336	1362
-52.5°	810	868	920	966	1014	1061	1107	1153	1195	1234	1251
-55°	768	823	875	916	956	996	1037	1081	1120	1157	1168
-57.5°	722	778	828	866	903	939	977	1017	1056	1090	1101
-60°	670	729	773	808	846	885	921	957	993	1022	1035
-62.5°	608	660	701	736	770	802	841	879	916	946	964
-65°	534	579	618	654	686	718	754	790	823	850	868
-67.5°	469	504	537	568	600	632	666	699	731	754	769
-70°	405	438	468	498	526	554	582	609	636	656	672
-72.5°	342	370	396	423	449	474	498	521	544	562	576
-75°	282	307	329	352	373	393	412	430	448	463	476
-77.5°	223	243	262	281	299	315	330	344	357	370	382
-80°	170	185	199	213	227	239	250	261	271	281	291
-82.5°	122	132	141	150	160	168	176	184	192	199	205
-85°	78	83	88	93	99	104	108	113	118	122	127
-87.5°	37	39	42	44	47	49	51	54	56	58	60
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6C-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	6	6	6	6	6	5	5	5	4
60°	20	19	19	19	19	19	20	20	19	24	26
57.5°	97	90	84	77	84	90	97	99	97	94	89
55°	210	222	227	225	227	222	210	198	188	183	180
52.5°	299	305	303	296	303	305	299	290	276	260	244
50°	409	409	406	399	406	409	409	402	386	360	328
47.5°	574	583	587	586	587	583	574	559	529	491	456
45°	736	745	748	747	748	745	736	721	681	629	573
42.5°	926	940	945	940	945	940	926	903	859	788	708
40°	1312	1329	1321	1301	1321	1329	1312	1262	1177	1060	958
37.5°	1988	2053	2080	2080	2080	2053	1988	1899	1773	1544	1382
35°	3429	3659	3764	3633	3764	3659	3429	3141	2821	2488	2089
32.5°	5727	6134	6364	6364	6364	6134	5727	5176	4500	3811	3122
30°	8528	9037	9323	9384	9323	9037	8528	7818	6880	5842	4658
27.5°	11432	11959	12232	12193	12232	11959	11432	10678	9711	8365	6857
25°	14346	14745	14975	14981	14975	14745	14346	13610	12498	11178	9408
22.5°	18651	19490	19836	19928	19836	19490	18651	17418	16322	14658	12671
20°	23344	24157	24682	24714	24682	24157	23344	22212	20540	18669	16220
17.5°	27815	28219	28293	28327	28293	28219	27815	26606	24900	22987	19878
15°	32030	32171	32544	32591	32544	32171	32030	30920	29013	26911	23910
12.5°	34032	34161	34097	33924	34097	34161	34032	33194	31861	29697	26758
10°	35122	34940	34669	34343	34669	34940	35122	34520	33539	31866	29019
7.5°	35369	35167	34688	34214	34688	35167	35369	35424	34755	33356	30631
5°	35487	34892	34288	33711	34288	34892	35487	35684	35310	34153	31859
2.5°	35418	34710	33880	33261	33880	34710	35418	35713	35589	34755	32797
0°	35644	34929	34059	33827	34059	34929	35644	35985	35920	35251	33389
-2.5°	36273	35693	35239	35115	35239	35693	36273	36465	36319	35419	33427
-5°	37405	37277	36506	36687	36506	37277	37405	37241	36639	35280	32835
-7.5°	38498	38317	37991	38413	37991	38317	38498	38018	36840	34928	32115
-10°	38789	38730	38882	39257	38882	38730	38789	37924	36283	33981	30951
-12.5°	37898	38365	38888	39283	38888	38365	37898	36731	35035	32197	28890
-15°	35911	36866	37648	38020	37648	36866	35911	34522	32407	29752	26488
-17.5°	32984	34155	35083	35347	35083	34155	32984	31414	29196	26700	23754
-20°	29381	30572	31416	31753	31416	30572	29381	27775	25656	23316	20685

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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°
-22.5°	25326	26489	27254	27657	27254	26489	25326	23728	21919	19835	17363
-25°	21210	22233	22912	23090	22912	22233	21210	19861	18232	16295	14012
-27.5°	17275	18097	18597	18653	18597	18097	17275	16062	14526	12755	10792
-30°	13316	14079	14513	14743	14513	14079	13316	12155	10759	9361	7796
-32.5°	9352	9958	10325	10421	10325	9958	9352	8532	7531	6511	5520
-35°	6235	6612	6845	6892	6845	6612	6235	5743	5128	4460	3930
-37.5°	4169	4353	4466	4521	4466	4353	4169	3914	3601	3230	2901
-40°	2954	3040	3088	3098	3088	3040	2954	2830	2661	2434	2226
-42.5°	2259	2303	2325	2332	2325	2303	2259	2189	2078	1945	1819
-45°	1825	1856	1875	1881	1875	1856	1825	1783	1722	1648	1566
-47.5°	1562	1581	1593	1597	1593	1581	1562	1534	1492	1435	1366
-50°	1378	1389	1393	1391	1393	1389	1378	1362	1336	1293	1244
-52.5°	1262	1269	1271	1269	1271	1269	1262	1251	1234	1195	1153
-55°	1176	1181	1182	1179	1182	1181	1176	1168	1157	1120	1081
-57.5°	1110	1117	1115	1108	1115	1117	1110	1101	1090	1056	1017
-60°	1045	1052	1053	1050	1053	1052	1045	1035	1022	993	957
-62.5°	980	993	994	992	994	993	980	964	946	916	879
-65°	886	902	901	895	901	902	886	868	850	823	790
-67.5°	783	794	795	792	795	794	783	769	754	731	699
-70°	686	698	698	696	698	698	686	672	656	636	609
-72.5°	590	602	605	605	605	602	590	576	562	544	521
-75°	488	500	499	496	499	500	488	476	463	448	430
-77.5°	393	404	402	399	402	404	393	382	370	357	344
-80°	299	308	306	303	306	308	299	291	281	271	261
-82.5°	212	218	216	213	216	218	212	205	199	192	184
-85°	131	135	135	135	135	135	131	127	122	118	113
-87.5°	62	64	61	58	61	64	62	60	58	56	54
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6C-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°	23	15	20	21	16	12	17	15	6	5	4
57.5°	82	76	72	65	56	49	45	43	38	23	9
55°	178	159	138	125	117	99	83	72	66	54	36
52.5°	229	221	203	176	161	152	133	113	96	83	66
50°	302	296	279	253	228	209	192	166	141	121	98
47.5°	422	395	376	353	310	275	253	230	195	166	140
45°	531	494	462	432	393	348	309	278	246	213	186
42.5°	658	595	540	507	462	417	373	333	291	255	225
40°	858	749	679	611	556	491	447	400	349	298	266
37.5°	1183	989	885	784	696	604	536	478	418	359	312
35°	1705	1421	1172	1011	878	749	644	566	495	427	363
32.5°	2415	1988	1588	1318	1081	902	768	666	567	493	425
30°	3565	2761	2128	1684	1359	1085	890	758	642	551	484
27.5°	5339	3855	2927	2171	1684	1329	1053	852	714	610	533
25°	7547	5558	4019	2928	2122	1620	1249	985	799	666	588
22.5°	10329	7949	5809	3828	2802	2089	1534	1122	892	760	656
20°	13757	10694	8019	5688	3830	2636	1886	1357	1055	871	732
17.5°	17131	13978	10409	7624	5264	3578	2383	1657	1214	985	811
15°	20546	16827	13044	9780	6770	4366	2831	1947	1396	1111	900
12.5°	23156	19289	15078	11509	7967	5205	3397	2318	1625	1215	967
10°	25270	21263	16864	12867	9164	6064	3904	2594	1789	1300	1022
7.5°	26910	22677	18249	14030	10133	6778	4314	2810	1918	1375	1067
5°	28216	23896	19365	14984	10892	7307	4631	2977	2013	1438	1102
2.5°	29207	24797	20119	15611	11403	7676	4869	3118	2091	1498	1135
0°	29744	25119	20765	16005	11735	7935	5030	3227	2145	1546	1159
-2.5°	29829	25264	20691	15863	11721	7841	4992	3205	2152	1561	1177
-5°	29037	24683	20103	15457	11332	7621	4891	3139	2135	1559	1183
-7.5°	28173	23734	19149	14681	10667	7239	4695	3032	2100	1543	1180
-10°	26861	22471	18103	13700	9817	6682	4361	2870	2030	1506	1165
-12.5°	24971	20815	16736	12310	8780	5926	3905	2663	1927	1449	1139
-15°	22642	18803	14786	10932	7703	5140	3435	2405	1788	1372	1102
-17.5°	20222	16476	12665	9282	6455	4451	3100	2221	1667	1301	1059
-20°	17541	13953	10622	7643	5266	3679	2676	1998	1550	1241	1025

Classified

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-727-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°	14468	11533	8595	5919	4297	3150	2338	1781	1419	1166	984
-25°	11567	9094	6557	4817	3498	2602	2032	1623	1322	1098	940
-27.5°	8749	6582	5101	3780	2842	2245	1791	1456	1216	1043	905
-30°	6268	4965	3865	2967	2379	1912	1572	1330	1137	986	865
-32.5°	4492	3704	2917	2414	1978	1657	1415	1213	1062	937	834
-35°	3302	2783	2324	1979	1687	1469	1274	1128	999	888	802
-37.5°	2520	2168	1912	1665	1481	1314	1177	1054	937	850	771
-40°	2011	1784	1611	1442	1317	1205	1097	988	899	811	738
-42.5°	1685	1533	1394	1293	1197	1116	1030	944	859	779	705
-45°	1466	1358	1257	1181	1107	1041	977	898	820	744	673
-47.5°	1302	1231	1158	1093	1036	978	920	852	777	706	643
-50°	1193	1137	1080	1023	974	921	864	798	732	672	610
-52.5°	1107	1061	1014	966	920	868	810	752	694	634	572
-55°	1037	996	956	916	875	823	768	711	651	592	531
-57.5°	977	939	903	866	828	778	722	665	607	550	490
-60°	921	885	846	808	773	729	670	615	563	508	454
-62.5°	841	802	770	736	701	660	608	557	510	464	412
-65°	754	718	686	654	618	579	534	493	454	412	365
-67.5°	666	632	600	568	537	504	469	433	395	354	311
-70°	582	554	526	498	468	438	405	369	332	297	262
-72.5°	498	474	449	423	396	370	342	311	279	248	218
-75°	412	393	373	352	329	307	282	256	230	205	181
-77.5°	330	315	299	281	262	243	223	202	182	163	143
-80°	250	239	227	213	199	185	170	154	137	121	107
-82.5°	176	168	160	150	141	132	122	110	98	87	76
-85°	108	104	99	93	88	83	78	70	62	55	48
-87.5°	51	49	47	44	42	39	37	33	30	26	23
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6C-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	6	5	4	5	6	6	5	5	3
57.5°	8	7	7	7	6	6	6	6	6	5	5
55°	17	11	10	9	7	6	7	6	6	6	6
52.5°	44	24	15	12	10	7	7	6	6	6	7
50°	75	50	28	18	13	10	8	7	6	6	7
47.5°	110	81	52	28	19	13	11	9	6	6	7
45°	152	115	80	50	28	21	14	11	8	7	8
42.5°	198	156	113	71	47	31	16	13	10	7	8
40°	237	200	149	104	68	44	27	15	12	8	9
37.5°	276	241	191	137	90	62	40	18	15	10	9
35°	318	278	233	172	120	79	54	24	18	13	9
32.5°	359	314	266	209	149	95	69	38	23	15	10
30°	410	348	296	243	178	120	83	52	28	18	11
27.5°	462	379	326	271	208	145	98	64	34	21	13
25°	512	421	353	297	235	171	115	75	43	26	15
22.5°	562	465	379	321	262	195	135	88	53	31	17
20°	616	507	406	349	286	219	156	102	62	36	19
17.5°	674	552	448	378	310	240	175	116	70	42	21
15°	732	599	489	406	333	260	193	130	76	48	24
12.5°	784	640	525	434	355	277	210	144	83	53	29
10°	828	677	557	461	376	292	225	157	93	58	33
7.5°	866	710	584	487	395	308	237	167	104	62	38
5°	898	736	605	506	413	327	247	175	115	65	43
2.5°	922	757	620	522	427	345	257	182	125	68	47
0°	940	773	631	535	438	361	264	187	135	71	51
-2.5°	949	784	649	544	453	369	273	197	141	80	53
-5°	951	791	663	552	466	375	281	205	147	88	55
-7.5°	952	794	671	558	475	378	287	213	151	96	56
-10°	947	793	673	565	478	382	292	218	155	102	57
-12.5°	935	789	672	569	479	386	298	222	158	107	58
-15°	915	780	669	568	478	388	302	225	160	108	59
-17.5°	888	768	664	564	476	389	304	224	160	107	61
-20°	869	755	656	554	473	388	303	222	159	106	63

Classified

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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°
-22.5°	848	741	644	546	469	385	300	216	157	104	64
-25°	820	725	629	541	464	380	294	208	154	102	65
-27.5°	796	706	614	533	454	372	284	203	149	100	65
-30°	773	687	601	521	442	361	270	197	145	99	64
-32.5°	748	667	585	506	428	349	256	189	141	97	63
-35°	723	645	566	487	414	334	246	180	137	94	61
-37.5°	695	620	542	468	399	318	240	177	132	90	59
-40°	667	594	519	452	382	302	232	174	127	85	57
-42.5°	637	567	498	435	364	290	223	168	120	81	54
-45°	608	541	477	412	346	276	213	160	113	77	52
-47.5°	579	514	449	386	327	261	201	150	104	73	51
-50°	545	481	417	360	304	243	187	139	100	70	49
-52.5°	507	441	387	335	280	222	172	127	95	67	46
-55°	465	408	360	309	255	202	155	119	88	64	43
-57.5°	434	381	332	281	230	182	142	110	83	60	41
-60°	402	351	302	252	204	163	131	102	77	55	39
-62.5°	363	316	267	220	180	147	119	93	70	51	37
-65°	318	272	228	191	158	130	107	84	64	47	34
-67.5°	269	231	195	162	137	115	95	75	57	42	30
-70°	228	194	164	140	119	99	82	64	49	37	27
-72.5°	191	164	139	117	100	84	68	53	41	31	23
-75°	157	135	115	97	82	68	56	44	34	26	20
-77.5°	124	107	91	77	66	55	44	34	27	22	18
-80°	94	82	70	60	50	41	34	28	23	19	16
-82.5°	66	58	51	44	38	32	27	23	19	16	13
-85°	43	38	34	29	26	22	19	16	13	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

Classified

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-727-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	2	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	5	2	0	0
47.5°	6	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	6	3	0	0
37.5°	9	6	6	6	4	0	0
35°	10	7	6	6	4	0	0
32.5°	11	8	6	6	4	0	0
30°	11	8	6	6	5	0	0
27.5°	12	9	6	6	5	0	0
25°	12	10	6	6	5	0	0
22.5°	12	10	6	6	5	0	0
20°	13	11	6	6	6	0	0
17.5°	13	11	6	6	6	0	0
15°	14	12	6	6	6	0	0
12.5°	15	12	6	6	6	0	0
10°	16	12	6	6	6	0	0
7.5°	17	13	6	6	6	0	0
5°	17	13	6	6	6	0	0
2.5°	18	13	6	6	6	0	0
0°	19	13	6	6	6	0	0
-2.5°	23	14	7	6	6	0	0
-5°	26	14	8	6	6	0	0
-7.5°	29	15	8	6	6	0	0
-10°	31	15	9	6	6	1	0
-12.5°	34	16	9	6	6	1	0
-15°	35	16	9	6	6	1	0
-17.5°	36	16	10	6	6	1	0
-20°	37	16	10	6	6	1	0

Classified

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

Scaled Data Report



REPORT NUMBER: P627856 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-727-U-MWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37	17	10	6	6	1	0
-25°	37	18	10	6	6	1	0
-27.5°	37	19	10	6	6	1	0
-30°	36	20	9	6	6	1	0
-32.5°	35	20	10	6	5	1	0
-35°	35	21	10	6	5	2	0
-37.5°	35	21	11	6	5	2	0
-40°	35	21	11	6	5	2	0
-42.5°	35	21	11	7	5	2	0
-45°	34	21	11	7	5	2	0
-47.5°	33	21	12	7	5	2	0
-50°	32	20	12	7	5	2	0
-52.5°	31	20	12	8	5	2	0
-55°	30	19	12	8	5	2	0
-57.5°	29	18	11	8	5	1	0
-60°	27	18	11	8	6	1	0
-62.5°	25	17	11	8	5	1	0
-65°	23	15	11	8	5	1	0
-67.5°	21	14	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°	14	11	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)