

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: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627746 (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-SA5E-730-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35399.8 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 49594.7 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 23710.7 lumens
Beam Efficiency: 67.0%

Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 31907.5 lumens
Field Efficiency: 90.1%

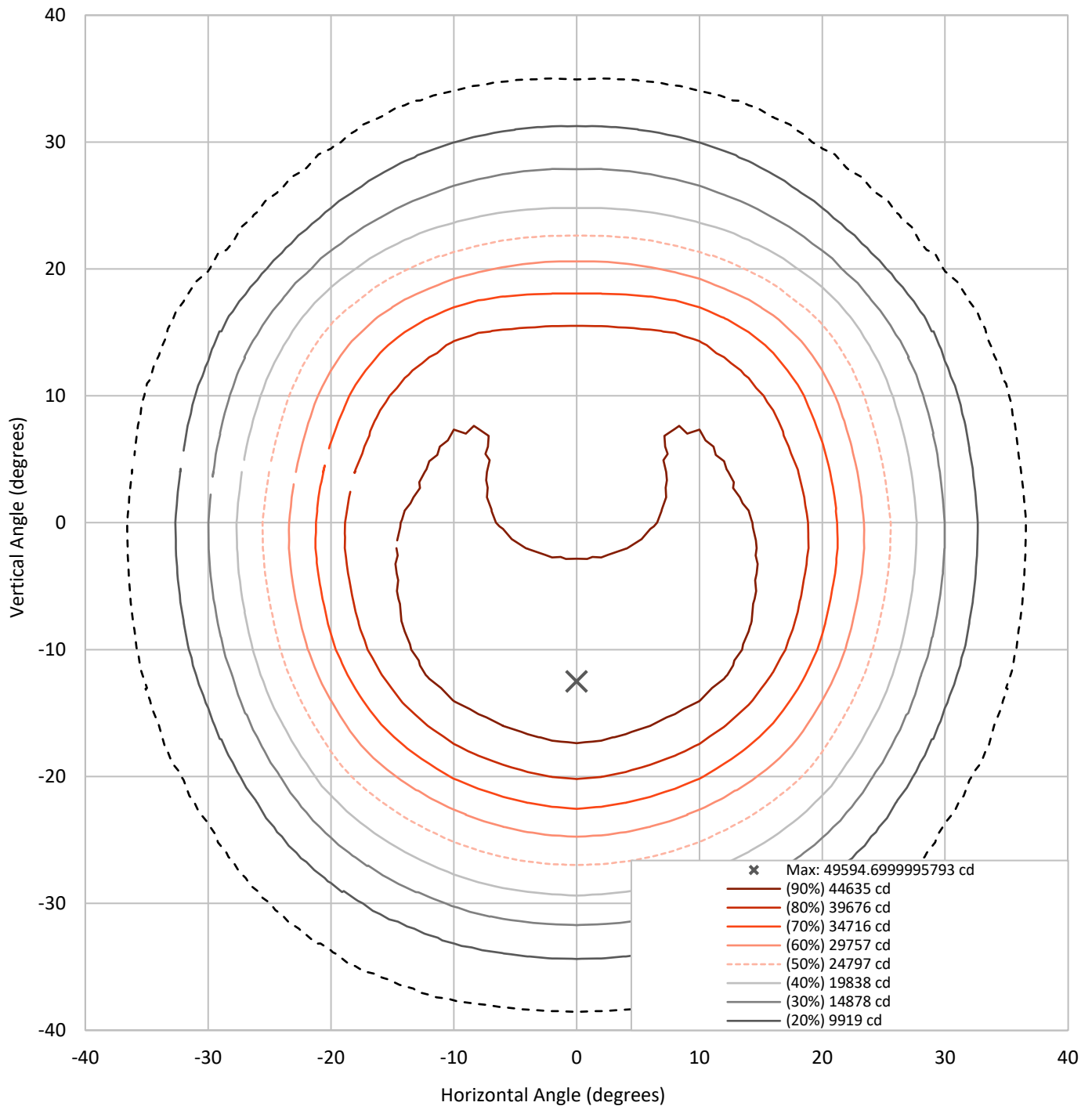
Input Watts (W): 313.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA5E-730-U-MWR-VSR-XX

Iso-Candela Plot





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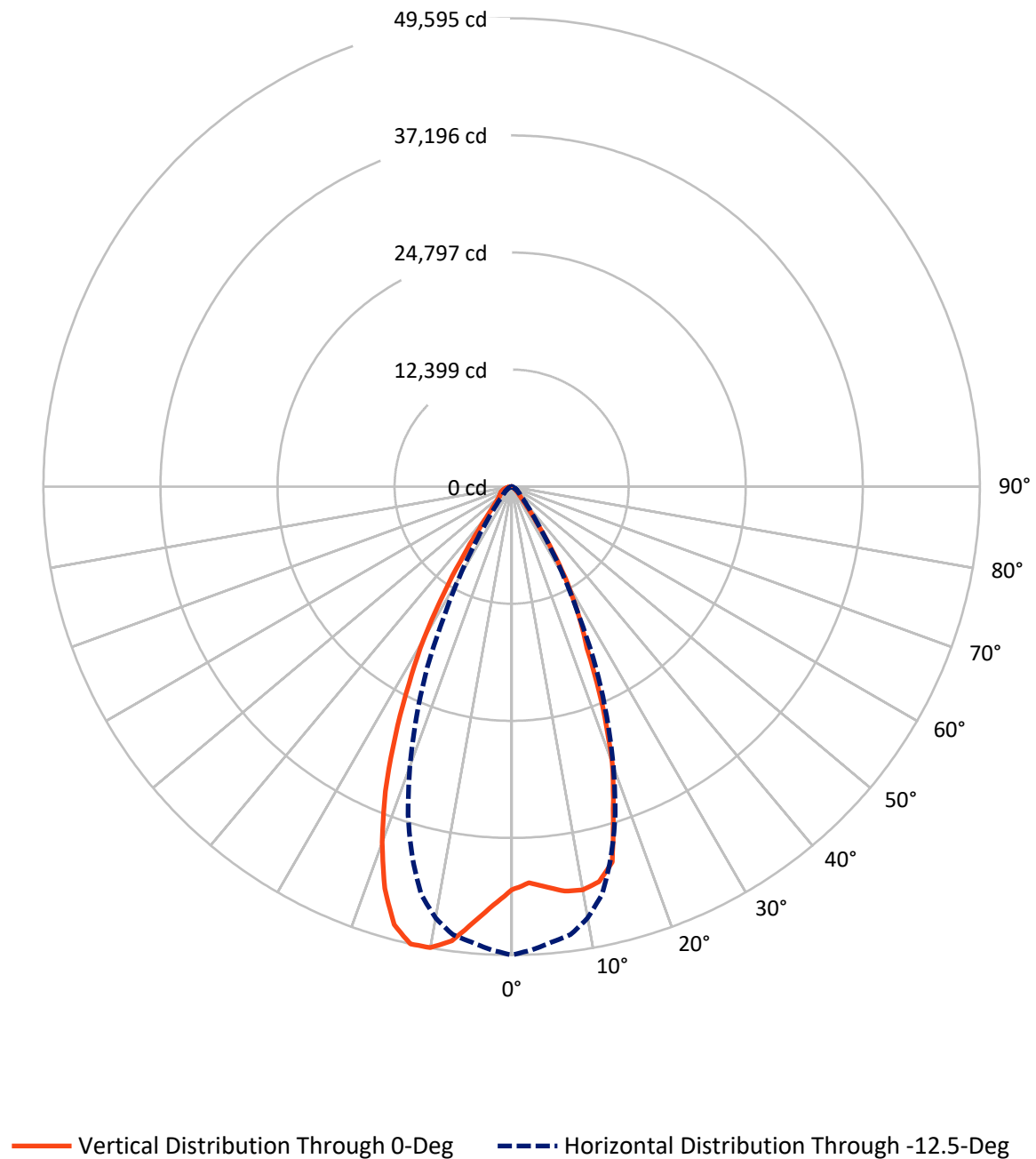
CATALOG NUMBER: GFLD-SA5E-730-U-MWR-VSR-XX

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	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0				
50		0.1	0.2	1.2	2.9	4.9	6.7	7.8	7.8	6.7	4.9	2.9	1.2	0.2	0.1				
40	0.2	0.2	1.4	5.0	9.9	16.3	24.3	29.8	29.8	24.3	16.3	9.9	5.0	1.4	0.2				
30		0.6	3.9	10.3	21.2	46.0	104.5	159.6	159.6	104.5	46.0	21.2	10.3	3.9	0.6				
20	0.4	1.4	6.6	16.5	44.4	164.6	423.7	592.3	592.3	423.7	164.6	44.4	16.5	6.6	1.4				
10		2.3	9.2	25.6	105.7	457.0	953.3	1180.3	1180.3	953.3	457.0	105.7	25.6	9.2	2.3				
0	0.7	3.1	11.4	33.0	168.3	672.9	1229.2	1332.6	1332.6	1229.2	672.9	168.3	33.0	11.4	3.1				
-10		3.6	12.6	35.3	176.1	695.0	1273.4	1414.3	1414.3	1273.4	695.0	176.1	35.3	12.6	3.6				
-20	1.0	3.9	12.8	32.1	126.0	517.5	1074.3	1371.7	1371.7	1074.3	517.5	126.0	32.1	12.8	3.9				
-30		3.8	12.2	26.7	70.4	251.1	598.6	842.3	842.3	598.6	251.1	70.4	26.7	12.2	3.8				
-40	0.9	3.3	10.9	22.1	42.0	89.4	187.0	277.5	277.5	187.0	89.4	42.0	22.1	10.9	3.3				
-50		2.8	9.1	18.5	30.7	45.4	63.8	75.6	75.6	63.8	45.4	30.7	18.5	9.1	2.8				
-60	0.7	2.1	6.9	14.5	24.1	33.4	41.7	45.6	45.6	41.7	33.4	24.1	14.5	6.9	2.1				
-70		1.4	4.4	9.9	16.9	23.9	30.3	33.8	33.8	30.3	23.9	16.9	9.9	4.4	1.4				
-80	0.3	3.9	17.8	38.0	48.7	38.0	17.8	3.9	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

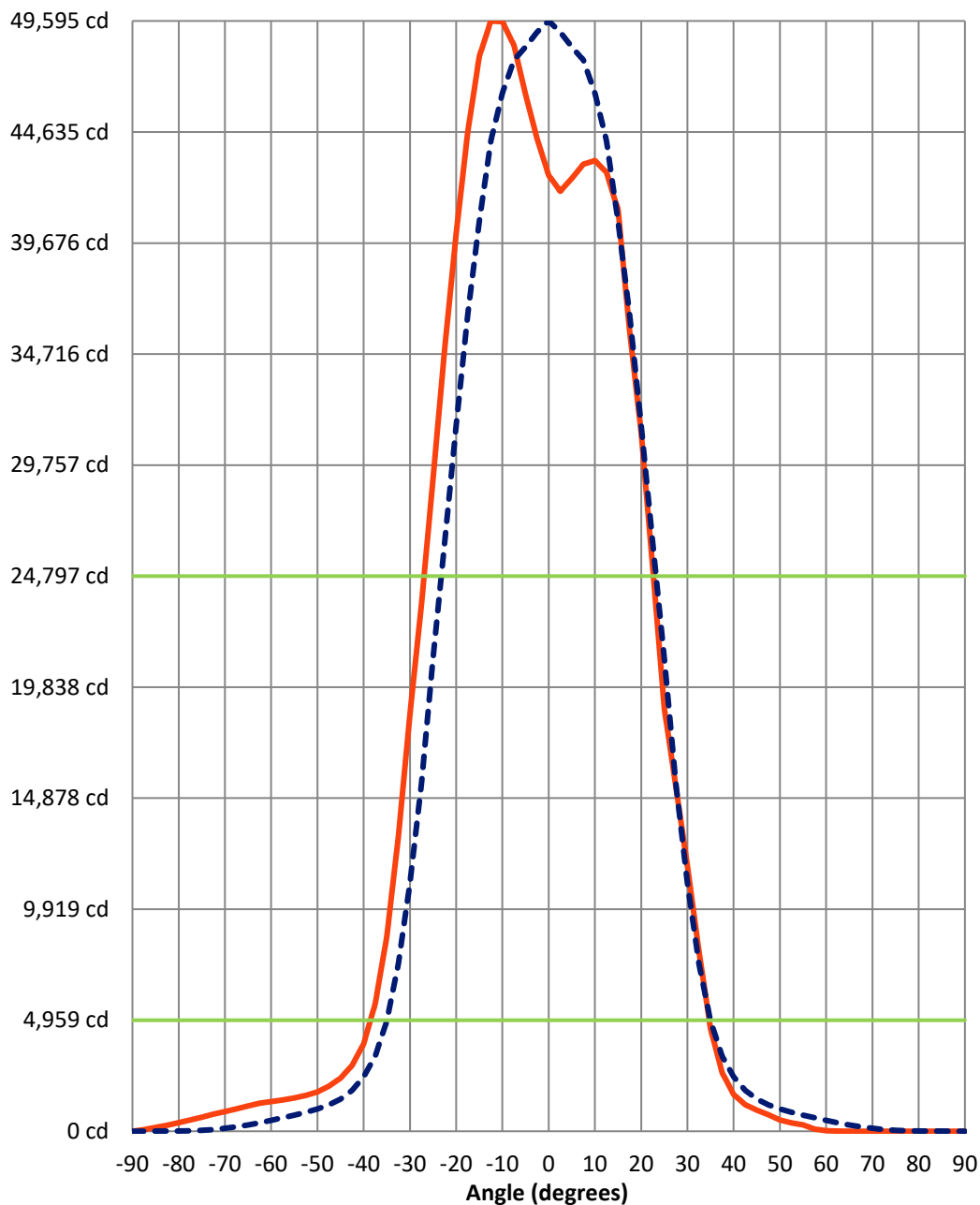
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 23710.7
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 31907.5
 Efficiency: 90.1%

Spill:
 Lumens: 3492.3
 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	2	2	1	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	2	3	3	1	0	2	3	2
62.5°	0	0	0	3	4	3	1	1	4	4	5
60°	0	0	0	3	5	3	2	4	6	6	7
57.5°	0	0	1	4	5	4	3	6	7	7	8
55°	0	0	1	5	5	4	5	8	7	8	8
52.5°	0	0	2	6	6	4	6	8	8	8	8
50°	0	0	2	7	6	5	7	9	8	8	9
47.5°	0	0	3	8	6	6	8	9	8	8	11
45°	0	0	3	8	6	7	9	10	9	10	13
42.5°	0	0	4	8	7	7	10	11	9	12	16
40°	0	0	4	8	7	8	11	11	10	15	19
37.5°	0	0	5	8	7	8	12	11	13	18	22
35°	0	0	5	8	8	9	13	12	16	23	30
32.5°	0	0	6	8	8	9	14	13	19	29	48
30°	0	0	6	8	8	10	14	14	23	36	65
27.5°	0	0	6	8	8	11	15	16	27	43	80
25°	0	0	7	8	8	12	15	19	33	55	94
22.5°	0	0	7	8	8	13	16	21	39	67	111
20°	0	0	7	8	8	14	16	24	46	78	129
17.5°	0	0	7	8	8	14	17	27	53	88	146
15°	0	0	8	8	8	15	18	30	60	96	164
12.5°	0	0	8	8	8	15	19	36	67	104	181
10°	0	0	8	8	8	16	20	42	73	117	198
7.5°	0	0	8	8	8	16	21	48	78	131	211
5°	0	0	8	8	8	16	22	54	83	145	221
2.5°	0	0	8	8	8	16	23	60	86	158	229
0°	0	0	8	8	8	16	24	65	89	171	236
-2.5°	0	0	8	8	9	17	29	67	101	179	248
-5°	0	0	8	8	10	18	33	69	112	185	259
-7.5°	0	1	8	8	10	19	36	71	121	191	268
-10°	0	1	8	8	11	19	40	72	129	195	275
-12.5°	0	1	8	8	11	20	42	73	135	200	281
-15°	0	1	8	8	12	20	44	74	136	202	283
-17.5°	0	1	8	8	12	21	46	76	136	202	283
-20°	0	1	7	8	12	21	46	79	134	201	280

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CATALOG NUMBER: GFLD-SA5E-730-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	7	8	12	21	47	81	132	198	273
-25°	0	2	7	8	12	22	47	82	129	194	262
-27.5°	0	2	7	8	12	24	46	82	126	189	256
-30°	0	2	7	8	12	25	45	81	124	183	249
-32.5°	0	2	7	8	13	26	44	79	123	178	239
-35°	0	2	7	8	13	26	44	77	119	172	227
-37.5°	0	2	7	8	13	27	45	75	114	167	223
-40°	0	2	7	8	13	27	45	72	107	160	220
-42.5°	0	2	7	8	14	27	44	68	102	152	213
-45°	0	2	7	9	14	27	43	66	98	142	202
-47.5°	0	2	7	9	15	26	42	64	93	131	190
-50°	0	2	7	9	15	26	41	61	88	126	175
-52.5°	0	2	7	10	15	25	40	58	84	119	160
-55°	0	2	7	10	15	24	38	54	80	111	150
-57.5°	0	2	7	10	15	23	36	52	75	105	139
-60°	0	2	7	10	14	22	34	49	70	97	128
-62.5°	0	2	7	10	14	21	32	46	65	89	118
-65°	0	2	6	10	14	19	29	42	59	80	106
-67.5°	0	1	6	10	13	18	27	38	53	71	94
-70°	0	1	5	10	13	17	23	34	46	61	81
-72.5°	0	1	5	9	13	17	22	29	39	52	67
-75°	0	1	4	8	12	16	20	25	32	43	55
-77.5°	0	1	3	6	10	14	18	23	28	34	43
-80°	0	1	3	5	8	12	16	20	24	29	35
-82.5°	0	1	2	4	6	9	13	16	21	24	29
-85°	0	0	1	3	4	6	8	11	14	17	21
-87.5°	0	0	1	1	2	3	4	6	7	9	10
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	1	2	3	2	0	0	0	1	0	0	0
65°	4	5	4	2	0	2	3	2	0	0	0
62.5°	7	6	4	3	5	6	5	3	1	2	3
60°	8	7	6	6	8	7	5	6	7	8	19
57.5°	8	8	7	9	9	9	10	12	29	49	54
55°	8	8	9	11	12	14	22	45	68	84	91
52.5°	9	9	12	15	19	31	56	83	104	121	143
50°	11	13	17	23	36	63	95	124	152	178	209
47.5°	14	17	24	36	66	102	139	177	210	246	291
45°	17	26	35	63	100	145	192	234	268	311	351
42.5°	21	40	59	89	143	197	249	284	322	368	420
40°	34	56	85	131	188	253	299	336	376	441	505
37.5°	50	78	113	173	242	304	349	394	453	527	604
35°	68	100	151	217	294	351	402	458	539	624	715
32.5°	87	120	188	263	335	397	453	537	622	716	841
30°	104	151	225	306	374	439	518	611	695	811	957
27.5°	124	182	262	342	411	479	583	673	770	901	1076
25°	145	216	297	375	446	531	646	742	841	1008	1244
22.5°	170	247	331	405	479	587	710	829	959	1126	1416
20°	197	277	362	441	512	640	778	924	1100	1332	1713
17.5°	222	304	391	477	566	697	851	1024	1243	1532	2092
15°	244	328	420	513	617	756	925	1137	1402	1762	2458
12.5°	265	349	448	548	663	809	989	1220	1534	2051	2926
10°	283	368	475	583	703	855	1046	1290	1641	2259	3275
7.5°	299	389	499	615	738	896	1094	1347	1735	2422	3548
5°	312	413	521	639	763	929	1133	1392	1815	2541	3758
2.5°	324	435	539	659	782	956	1164	1433	1892	2640	3936
0°	333	455	553	675	797	976	1187	1464	1952	2708	4074
-2.5°	345	466	572	687	820	990	1198	1486	1971	2717	4046
-5°	355	473	588	697	837	998	1201	1494	1968	2696	3963
-7.5°	362	477	600	705	847	1003	1202	1489	1948	2651	3828
-10°	368	482	604	714	850	1002	1196	1471	1902	2563	3624
-12.5°	376	487	605	718	849	996	1180	1438	1829	2433	3361
-15°	381	490	604	718	845	985	1155	1392	1732	2258	3037
-17.5°	383	491	601	712	838	970	1121	1337	1642	2104	2804
-20°	383	489	598	700	828	953	1098	1294	1567	1957	2522

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CATALOG NUMBER: GFLD-SA5E-730-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°	379	486	593	690	813	936	1070	1243	1472	1792	2248
-25°	371	480	585	683	795	915	1036	1187	1386	1670	2049
-27.5°	358	470	573	673	775	892	1005	1142	1317	1535	1838
-30°	341	456	558	658	758	867	976	1092	1245	1435	1679
-32.5°	323	441	540	638	739	842	945	1053	1183	1341	1532
-35°	311	421	522	615	714	814	913	1013	1121	1261	1424
-37.5°	303	401	504	591	685	783	878	973	1073	1183	1331
-40°	293	381	482	570	655	750	842	932	1024	1134	1248
-42.5°	281	366	459	549	629	716	804	891	983	1085	1191
-45°	269	349	437	520	602	683	768	849	939	1035	1134
-47.5°	254	329	413	487	567	649	731	812	891	980	1076
-50°	236	307	384	455	526	607	688	770	848	924	1007
-52.5°	217	280	353	423	488	556	640	723	800	876	949
-55°	196	255	321	390	455	515	587	671	748	821	897
-57.5°	180	230	290	355	419	481	548	618	695	766	839
-60°	165	206	257	318	382	443	507	573	642	711	777
-62.5°	150	185	227	277	337	398	458	520	586	644	704
-65°	135	164	199	241	288	344	402	461	520	573	623
-67.5°	120	145	173	205	246	292	339	393	447	498	546
-70°	103	125	150	176	207	245	288	331	374	420	466
-72.5°	86	106	127	148	175	207	241	275	313	353	392
-75°	70	86	104	123	145	171	199	229	259	290	323
-77.5°	55	69	83	98	115	135	157	181	206	230	255
-80°	43	52	63	76	89	103	119	135	153	173	194
-82.5°	34	40	47	55	64	74	84	95	109	124	139
-85°	24	28	32	37	42	48	54	61	70	79	88
-87.5°	12	14	16	19	21	24	26	29	33	37	42
-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	3	3	2	2	4	5	6	6	7
60°	22	15	21	27	26	19	29	33	30	25	25
57.5°	57	62	70	82	91	96	104	112	118	122	125
55°	104	125	147	158	175	201	225	227	231	237	250
52.5°	167	192	203	222	257	278	289	308	328	348	366
50°	243	263	288	319	352	373	381	414	455	488	507
47.5°	319	347	391	446	474	499	532	575	620	668	706
45°	390	439	496	545	583	624	670	723	794	860	910
42.5°	470	526	583	641	682	752	831	894	995	1084	1140
40°	565	620	702	771	857	945	1083	1210	1338	1486	1594
37.5°	677	763	879	990	1117	1248	1494	1745	1950	2238	2398
35°	813	945	1109	1276	1479	1794	2152	2637	3141	3561	3966
32.5°	970	1139	1365	1664	2005	2510	3048	3942	4812	5682	6535
30°	1124	1369	1715	2126	2687	3486	4501	5881	7376	8686	9871
27.5°	1329	1678	2126	2740	3695	4867	6740	8657	10561	12260	13481
25°	1577	2045	2680	3696	5075	7017	9528	11878	14112	15779	17182
22.5°	1937	2637	3538	4832	7334	10035	13040	15997	18506	20607	21990
20°	2381	3327	4835	7181	10124	13502	17369	20478	23570	25933	28043
17.5°	3009	4517	6645	9625	13141	17647	21628	25097	29022	31437	33590
15°	3574	5512	8547	12348	16468	21244	25939	30187	33975	36630	39036
12.5°	4289	6571	10059	14530	19037	24353	29234	33782	37493	40224	41908
10°	4929	7656	11570	16245	21290	26845	31903	36637	40232	42343	43581
7.5°	5446	8557	12793	17714	23040	28630	33974	38672	42112	43878	44723
5°	5847	9225	13751	18917	24449	30169	35623	40222	43119	44579	45052
2.5°	6147	9691	14396	19709	25401	31306	36875	41407	43878	44932	45088
0°	6351	10018	14816	20207	26216	31713	37552	42154	44504	45350	45431
-2.5°	6303	9900	14797	20027	26122	31896	37660	42202	44717	45853	46038
-5°	6174	9621	14307	19514	25380	31162	36659	41455	44541	46257	47017
-7.5°	5927	9140	13468	18535	24176	29964	35569	40545	44097	46511	47999
-10°	5505	8437	12394	17296	22855	28370	33912	39076	42901	45808	47879
-12.5°	4930	7482	11085	15541	21130	26279	31526	36474	40648	44233	46374
-15°	4337	6489	9725	13802	18668	23739	28586	33441	37562	40914	43584
-17.5°	3913	5619	8150	11718	15990	20801	25530	29990	33709	36860	39660
-20°	3378	4645	6649	9649	13410	17616	22146	26115	29436	32391	35066

Classified

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

Scaled Data Report



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	2952	3977	5425	7472	10851	14560	18266	21921	25042	27673	29957
-25°	2565	3285	4416	6081	8278	11481	14604	17690	20572	23018	25074
-27.5°	2261	2834	3588	4773	6440	8310	11046	13625	16103	18339	20278
-30°	1985	2414	3004	3745	4879	6268	7913	9842	11818	13583	15346
-32.5°	1787	2092	2498	3048	3683	4677	5671	6969	8220	9508	10772
-35°	1608	1854	2130	2498	2934	3514	4169	4962	5631	6474	7250
-37.5°	1486	1659	1870	2102	2414	2737	3181	3663	4077	4547	4942
-40°	1385	1521	1663	1820	2034	2253	2539	2810	3073	3359	3573
-42.5°	1300	1409	1512	1633	1760	1935	2127	2296	2456	2624	2764
-45°	1233	1314	1397	1491	1588	1714	1851	1977	2081	2174	2251
-47.5°	1161	1234	1307	1380	1462	1554	1644	1724	1811	1884	1937
-50°	1090	1163	1229	1292	1363	1436	1506	1571	1632	1686	1720
-52.5°	1022	1096	1162	1219	1280	1339	1398	1456	1509	1558	1580
-55°	970	1039	1105	1156	1207	1258	1310	1364	1415	1461	1475
-57.5°	912	982	1046	1094	1140	1185	1234	1284	1333	1376	1390
-60°	846	920	975	1020	1068	1118	1163	1208	1253	1291	1306
-62.5°	767	833	885	929	972	1012	1062	1110	1157	1195	1218
-65°	674	731	780	825	867	906	953	997	1039	1073	1096
-67.5°	592	637	678	717	758	798	841	883	923	952	971
-70°	511	552	591	628	664	699	734	769	803	829	848
-72.5°	432	468	501	534	567	598	628	658	687	709	728
-75°	357	387	416	444	471	496	520	543	565	584	601
-77.5°	281	306	330	354	378	398	416	434	451	467	482
-80°	215	233	251	269	287	302	316	330	343	355	367
-82.5°	154	166	178	190	202	212	223	232	242	251	259
-85°	98	105	111	118	124	131	137	143	149	155	160
-87.5°	47	50	53	56	59	62	65	68	71	73	76
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	7	8	8	8	8	8	7	7	6	6	5
60°	25	24	24	24	24	24	25	25	25	30	33
57.5°	122	114	106	98	106	114	122	125	122	118	112
55°	266	280	287	285	287	280	266	250	237	231	227
52.5°	378	385	383	374	383	385	378	366	348	328	308
50°	516	517	512	504	512	517	516	507	488	455	414
47.5°	725	736	741	740	741	736	725	706	668	620	575
45°	930	940	945	943	945	940	930	910	860	794	723
42.5°	1169	1187	1193	1187	1193	1187	1169	1140	1084	995	894
40°	1657	1678	1668	1643	1668	1678	1657	1594	1486	1338	1210
37.5°	2510	2591	2626	2627	2626	2591	2510	2398	2238	1950	1745
35°	4330	4620	4752	4586	4752	4620	4330	3966	3561	3141	2637
32.5°	7231	7745	8034	8034	8034	7745	7231	6535	5682	4812	3942
30°	10766	11410	11771	11848	11771	11410	10766	9871	8686	7376	5881
27.5°	14433	15098	15444	15393	15444	15098	14433	13481	12260	10561	8657
25°	18113	18616	18906	18914	18906	18616	18113	17182	15779	14112	11878
22.5°	23547	24607	25043	25159	25043	24607	23547	21990	20607	18506	15997
20°	29472	30499	31161	31201	31161	30499	29472	28043	25933	23570	20478
17.5°	35117	35626	35720	35763	35720	35626	35117	33590	31437	29022	25097
15°	40438	40616	41087	41146	41087	40616	40438	39036	36630	33975	30187
12.5°	42965	43129	43048	42829	43048	43129	42965	41908	40224	37493	33782
10°	44342	44112	43770	43358	43770	44112	44342	43581	42343	40232	36637
7.5°	44654	44399	43794	43195	43794	44399	44654	44723	43878	42112	38672
5°	44803	44052	43289	42561	43289	44052	44803	45052	44579	43119	40222
2.5°	44715	43822	42774	41992	42774	43822	44715	45088	44932	43878	41407
0°	45000	44098	43000	42707	43000	44098	45000	45431	45350	44504	42154
-2.5°	45795	45063	44490	44333	44490	45063	45795	46038	45853	44717	42202
-5°	47224	47063	46089	46318	46089	47063	47224	47017	46257	44541	41455
-7.5°	48604	48375	47963	48497	47963	48375	48604	47999	46511	44097	40545
-10°	48972	48896	49089	49562	49089	48896	48972	47879	45808	42901	39076
-12.5°	47846	48436	49097	49595	49097	48436	47846	46374	44233	40648	36474
-15°	45338	46544	47531	48001	47531	46544	45338	43584	40914	37562	33441
-17.5°	41643	43121	44292	44626	44292	43121	41643	39660	36860	33709	29990
-20°	37093	38598	39663	40089	39663	38598	37093	35066	32391	29436	26115

Classified

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

Scaled Data Report



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	31974	33442	34408	34917	34408	33442	31974	29957	27673	25042	21921
-25°	26778	28069	28926	29152	28926	28069	26778	25074	23018	20572	17690
-27.5°	21810	22847	23479	23549	23479	22847	21810	20278	18339	16103	13625
-30°	16811	17775	18323	18613	18323	17775	16811	15346	13583	11818	9842
-32.5°	11807	12572	13035	13157	13035	12572	11807	10772	9508	8220	6969
-35°	7872	8348	8641	8701	8641	8348	7872	7250	6474	5631	4962
-37.5°	5263	5496	5638	5708	5638	5496	5263	4942	4547	4077	3663
-40°	3729	3838	3899	3911	3899	3838	3729	3573	3359	3073	2810
-42.5°	2852	2907	2936	2944	2936	2907	2852	2764	2624	2456	2296
-45°	2305	2343	2367	2374	2367	2343	2305	2251	2174	2081	1977
-47.5°	1971	1996	2012	2017	2012	1996	1971	1937	1884	1811	1724
-50°	1739	1753	1759	1756	1759	1753	1739	1720	1686	1632	1571
-52.5°	1593	1602	1605	1602	1605	1602	1593	1580	1558	1509	1456
-55°	1485	1491	1492	1488	1492	1491	1485	1475	1461	1415	1364
-57.5°	1401	1410	1407	1399	1407	1410	1401	1390	1376	1333	1284
-60°	1319	1329	1329	1326	1329	1329	1319	1306	1291	1253	1208
-62.5°	1237	1253	1256	1252	1256	1253	1237	1218	1195	1157	1110
-65°	1119	1139	1138	1130	1138	1139	1119	1096	1073	1039	997
-67.5°	988	1003	1003	1000	1003	1003	988	971	952	923	883
-70°	866	881	882	878	882	881	866	848	829	803	769
-72.5°	745	760	763	764	763	760	745	728	709	687	658
-75°	617	631	630	626	630	631	617	601	584	565	543
-77.5°	496	509	508	504	508	509	496	482	467	451	434
-80°	378	388	386	382	386	388	378	367	355	343	330
-82.5°	268	275	272	268	272	275	268	259	251	242	232
-85°	165	170	171	171	171	170	165	160	155	149	143
-87.5°	79	81	77	73	77	81	79	76	73	71	68
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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	1
65°	0	0	0	0	0	0	0	0	0	0	2
62.5°	4	2	2	3	3	2	2	3	2	1	3
60°	29	19	26	27	21	15	22	19	8	7	6
57.5°	104	96	91	82	70	62	57	54	49	29	12
55°	225	201	175	158	147	125	104	91	84	68	45
52.5°	289	278	257	222	203	192	167	143	121	104	83
50°	381	373	352	319	288	263	243	209	178	152	124
47.5°	532	499	474	446	391	347	319	291	246	210	177
45°	670	624	583	545	496	439	390	351	311	268	234
42.5°	831	752	682	641	583	526	470	420	368	322	284
40°	1083	945	857	771	702	620	565	505	441	376	336
37.5°	1494	1248	1117	990	879	763	677	604	527	453	394
35°	2152	1794	1479	1276	1109	945	813	715	624	539	458
32.5°	3048	2510	2005	1664	1365	1139	970	841	716	622	537
30°	4501	3486	2687	2126	1715	1369	1124	957	811	695	611
27.5°	6740	4867	3695	2740	2126	1678	1329	1076	901	770	673
25°	9528	7017	5075	3696	2680	2045	1577	1244	1008	841	742
22.5°	13040	10035	7334	4832	3538	2637	1937	1416	1126	959	829
20°	17369	13502	10124	7181	4835	3327	2381	1713	1332	1100	924
17.5°	21628	17647	13141	9625	6645	4517	3009	2092	1532	1243	1024
15°	25939	21244	16468	12348	8547	5512	3574	2458	1762	1402	1137
12.5°	29234	24353	19037	14530	10059	6571	4289	2926	2051	1534	1220
10°	31903	26845	21290	16245	11570	7656	4929	3275	2259	1641	1290
7.5°	33974	28630	23040	17714	12793	8557	5446	3548	2422	1735	1347
5°	35623	30169	24449	18917	13751	9225	5847	3758	2541	1815	1392
2.5°	36875	31306	25401	19709	14396	9691	6147	3936	2640	1892	1433
0°	37552	31713	26216	20207	14816	10018	6351	4074	2708	1952	1464
-2.5°	37660	31896	26122	20027	14797	9900	6303	4046	2717	1971	1486
-5°	36659	31162	25380	19514	14307	9621	6174	3963	2696	1968	1494
-7.5°	35569	29964	24176	18535	13468	9140	5927	3828	2651	1948	1489
-10°	33912	28370	22855	17296	12394	8437	5505	3624	2563	1902	1471
-12.5°	31526	26279	21130	15541	11085	7482	4930	3361	2433	1829	1438
-15°	28586	23739	18668	13802	9725	6489	4337	3037	2258	1732	1392
-17.5°	25530	20801	15990	11718	8150	5619	3913	2804	2104	1642	1337
-20°	22146	17616	13410	9649	6649	4645	3378	2522	1957	1567	1294

Classified

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

Scaled Data Report



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	18266	14560	10851	7472	5425	3977	2952	2248	1792	1472	1243
-25°	14604	11481	8278	6081	4416	3285	2565	2049	1670	1386	1187
-27.5°	11046	8310	6440	4773	3588	2834	2261	1838	1535	1317	1142
-30°	7913	6268	4879	3745	3004	2414	1985	1679	1435	1245	1092
-32.5°	5671	4677	3683	3048	2498	2092	1787	1532	1341	1183	1053
-35°	4169	3514	2934	2498	2130	1854	1608	1424	1261	1121	1013
-37.5°	3181	2737	2414	2102	1870	1659	1486	1331	1183	1073	973
-40°	2539	2253	2034	1820	1663	1521	1385	1248	1134	1024	932
-42.5°	2127	1935	1760	1633	1512	1409	1300	1191	1085	983	891
-45°	1851	1714	1588	1491	1397	1314	1233	1134	1035	939	849
-47.5°	1644	1554	1462	1380	1307	1234	1161	1076	980	891	812
-50°	1506	1436	1363	1292	1229	1163	1090	1007	924	848	770
-52.5°	1398	1339	1280	1219	1162	1096	1022	949	876	800	723
-55°	1310	1258	1207	1156	1105	1039	970	897	821	748	671
-57.5°	1234	1185	1140	1094	1046	982	912	839	766	695	618
-60°	1163	1118	1068	1020	975	920	846	777	711	642	573
-62.5°	1062	1012	972	929	885	833	767	704	644	586	520
-65°	953	906	867	825	780	731	674	623	573	520	461
-67.5°	841	798	758	717	678	637	592	546	498	447	393
-70°	734	699	664	628	591	552	511	466	420	374	331
-72.5°	628	598	567	534	501	468	432	392	353	313	275
-75°	520	496	471	444	416	387	357	323	290	259	229
-77.5°	416	398	378	354	330	306	281	255	230	206	181
-80°	316	302	287	269	251	233	215	194	173	153	135
-82.5°	223	212	202	190	178	166	154	139	124	109	95
-85°	137	131	124	118	111	105	98	88	79	70	61
-87.5°	65	62	59	56	53	50	47	42	37	33	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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	2	3	2	1	1	1	0	0
65°	3	2	0	2	4	5	4	2	3	2	0
62.5°	5	6	5	3	4	6	7	5	4	4	1
60°	5	7	8	6	6	7	8	7	6	6	4
57.5°	10	9	9	9	7	8	8	8	7	7	6
55°	22	14	12	11	9	8	8	8	8	7	8
52.5°	56	31	19	15	12	9	9	8	8	8	8
50°	95	63	36	23	17	13	11	9	8	8	9
47.5°	139	102	66	36	24	17	14	11	8	8	9
45°	192	145	100	63	35	26	17	13	10	9	10
42.5°	249	197	143	89	59	40	21	16	12	9	11
40°	299	253	188	131	85	56	34	19	15	10	11
37.5°	349	304	242	173	113	78	50	22	18	13	11
35°	402	351	294	217	151	100	68	30	23	16	12
32.5°	453	397	335	263	188	120	87	48	29	19	13
30°	518	439	374	306	225	151	104	65	36	23	14
27.5°	583	479	411	342	262	182	124	80	43	27	16
25°	646	531	446	375	297	216	145	94	55	33	19
22.5°	710	587	479	405	331	247	170	111	67	39	21
20°	778	640	512	441	362	277	197	129	78	46	24
17.5°	851	697	566	477	391	304	222	146	88	53	27
15°	925	756	617	513	420	328	244	164	96	60	30
12.5°	989	809	663	548	448	349	265	181	104	67	36
10°	1046	855	703	583	475	368	283	198	117	73	42
7.5°	1094	896	738	615	499	389	299	211	131	78	48
5°	1133	929	763	639	521	413	312	221	145	83	54
2.5°	1164	956	782	659	539	435	324	229	158	86	60
0°	1187	976	797	675	553	455	333	236	171	89	65
-2.5°	1198	990	820	687	572	466	345	248	179	101	67
-5°	1201	998	837	697	588	473	355	259	185	112	69
-7.5°	1202	1003	847	705	600	477	362	268	191	121	71
-10°	1196	1002	850	714	604	482	368	275	195	129	72
-12.5°	1180	996	849	718	605	487	376	281	200	135	73
-15°	1155	985	845	718	604	490	381	283	202	136	74
-17.5°	1121	970	838	712	601	491	383	283	202	136	76
-20°	1098	953	828	700	598	489	383	280	201	134	79

Classified

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

Scaled Data Report



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	1070	936	813	690	593	486	379	273	198	132	81
-25°	1036	915	795	683	585	480	371	262	194	129	82
-27.5°	1005	892	775	673	573	470	358	256	189	126	82
-30°	976	867	758	658	558	456	341	249	183	124	81
-32.5°	945	842	739	638	540	441	323	239	178	123	79
-35°	913	814	714	615	522	421	311	227	172	119	77
-37.5°	878	783	685	591	504	401	303	223	167	114	75
-40°	842	750	655	570	482	381	293	220	160	107	72
-42.5°	804	716	629	549	459	366	281	213	152	102	68
-45°	768	683	602	520	437	349	269	202	142	98	66
-47.5°	731	649	567	487	413	329	254	190	131	93	64
-50°	688	607	526	455	384	307	236	175	126	88	61
-52.5°	640	556	488	423	353	280	217	160	119	84	58
-55°	587	515	455	390	321	255	196	150	111	80	54
-57.5°	548	481	419	355	290	230	180	139	105	75	52
-60°	507	443	382	318	257	206	165	128	97	70	49
-62.5°	458	398	337	277	227	185	150	118	89	65	46
-65°	402	344	288	241	199	164	135	106	80	59	42
-67.5°	339	292	246	205	173	145	120	94	71	53	38
-70°	288	245	207	176	150	125	103	81	61	46	34
-72.5°	241	207	175	148	127	106	86	67	52	39	29
-75°	199	171	145	123	104	86	70	55	43	32	25
-77.5°	157	135	115	98	83	69	55	43	34	28	23
-80°	119	103	89	76	63	52	43	35	29	24	20
-82.5°	84	74	64	55	47	40	34	29	24	21	16
-85°	54	48	42	37	32	28	24	21	17	14	11
-87.5°	26	24	21	19	16	14	12	10	9	7	6
-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: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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	2	2	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	3	3	2	0	0	0
62.5°	1	3	4	3	0	0	0
60°	2	3	5	3	0	0	0
57.5°	3	4	5	4	1	0	0
55°	5	4	5	5	1	0	0
52.5°	6	4	6	6	2	0	0
50°	7	5	6	7	2	0	0
47.5°	8	6	6	8	3	0	0
45°	9	7	6	8	3	0	0
42.5°	10	7	7	8	4	0	0
40°	11	8	7	8	4	0	0
37.5°	12	8	7	8	5	0	0
35°	13	9	8	8	5	0	0
32.5°	14	9	8	8	6	0	0
30°	14	10	8	8	6	0	0
27.5°	15	11	8	8	6	0	0
25°	15	12	8	8	7	0	0
22.5°	16	13	8	8	7	0	0
20°	16	14	8	8	7	0	0
17.5°	17	14	8	8	7	0	0
15°	18	15	8	8	8	0	0
12.5°	19	15	8	8	8	0	0
10°	20	16	8	8	8	0	0
7.5°	21	16	8	8	8	0	0
5°	22	16	8	8	8	0	0
2.5°	23	16	8	8	8	0	0
0°	24	16	8	8	8	0	0
-2.5°	29	17	9	8	8	0	0
-5°	33	18	10	8	8	0	0
-7.5°	36	19	10	8	8	1	0
-10°	40	19	11	8	8	1	0
-12.5°	42	20	11	8	8	1	0
-15°	44	20	12	8	8	1	0
-17.5°	46	21	12	8	8	1	0
-20°	46	21	12	8	7	1	0

Classified

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

Scaled Data Report



REPORT NUMBER: P627746 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	47	21	12	8	7	1	0
-25°	47	22	12	8	7	2	0
-27.5°	46	24	12	8	7	2	0
-30°	45	25	12	8	7	2	0
-32.5°	44	26	13	8	7	2	0
-35°	44	26	13	8	7	2	0
-37.5°	45	27	13	8	7	2	0
-40°	45	27	13	8	7	2	0
-42.5°	44	27	14	8	7	2	0
-45°	43	27	14	9	7	2	0
-47.5°	42	26	15	9	7	2	0
-50°	41	26	15	9	7	2	0
-52.5°	40	25	15	10	7	2	0
-55°	38	24	15	10	7	2	0
-57.5°	36	23	15	10	7	2	0
-60°	34	22	14	10	7	2	0
-62.5°	32	21	14	10	7	2	0
-65°	29	19	14	10	6	2	0
-67.5°	27	18	13	10	6	1	0
-70°	23	17	13	10	5	1	0
-72.5°	22	17	13	9	5	1	0
-75°	20	16	12	8	4	1	0
-77.5°	18	14	10	6	3	1	0
-80°	16	12	8	5	3	1	0
-82.5°	13	9	6	4	2	1	0
-85°	8	6	4	3	1	0	0
-87.5°	4	3	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)