

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: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3C-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3C-735-U-VWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

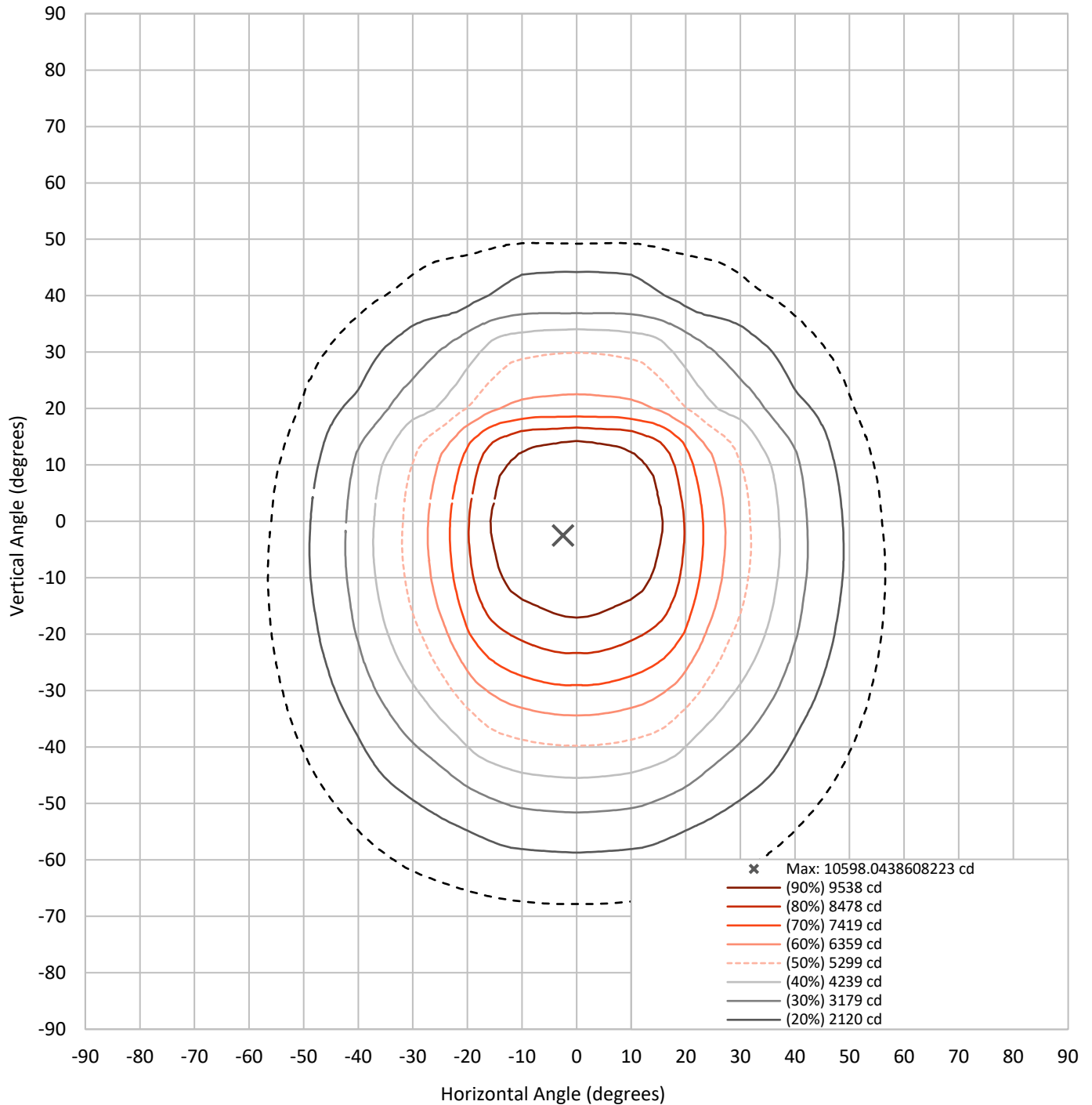
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14143.4 lumens	Max Intensity:	10598 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	116.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	8182.9 lumens	Field Lumens:	13421.2 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	121.7		
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-SA3C-735-U-VWR-VSR-XX

Iso-Candela Plot





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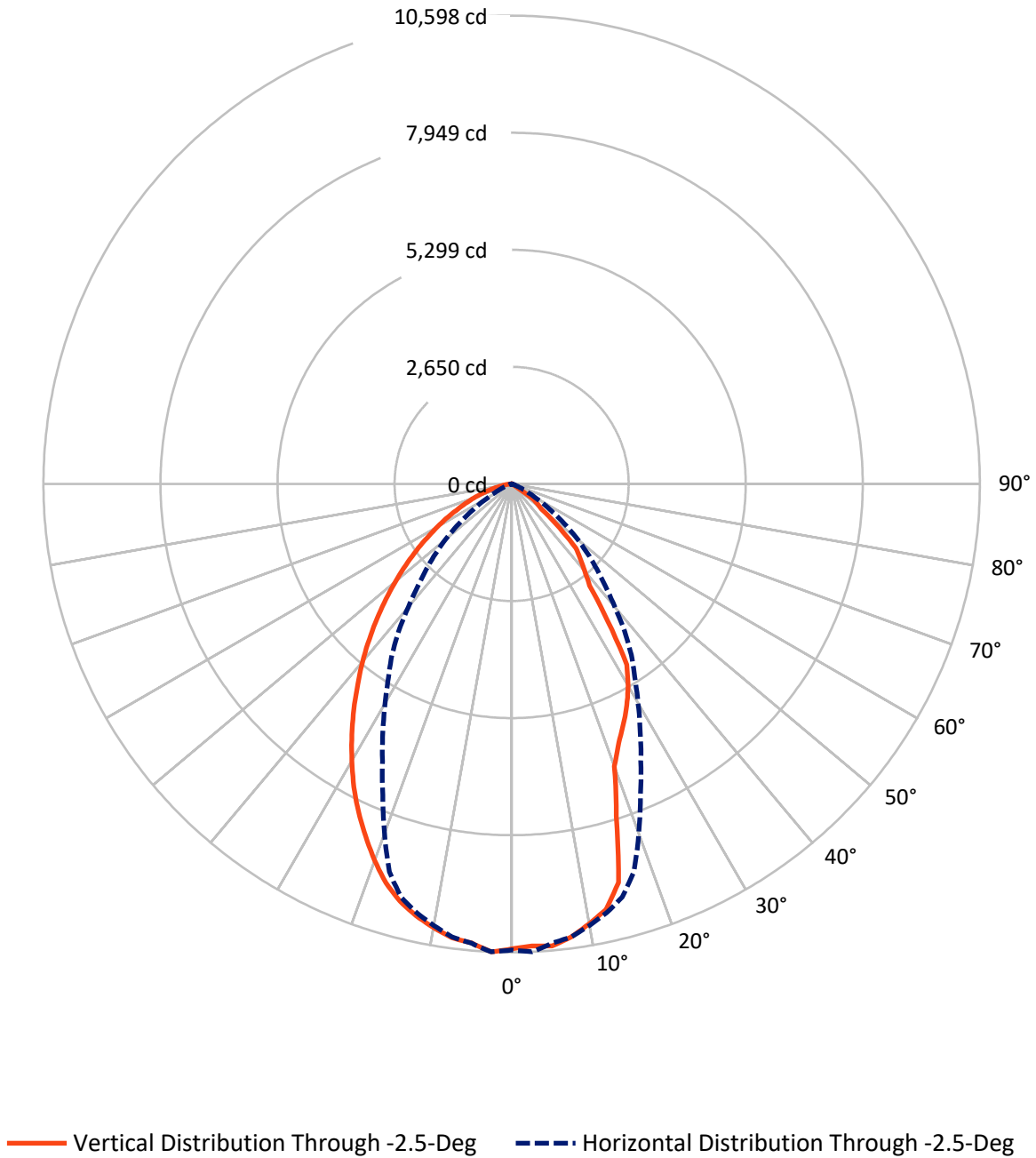
CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.3	3.9	7.4	11.0	13.7	13.7	11.0	7.4	3.9	1.3	0.3	0.1				
40	0.2	0.3	1.6	7.2	17.5	31.6	46.6	57.1	57.1	46.6	31.6	17.5	7.2	1.6	0.3			0.2	
30		0.7	5.3	18.4	41.0	66.5	99.6	116.5	116.5	99.6	66.5	41.0	18.4	5.3	0.7				
20	0.4	1.6	10.2	32.5	66.0	104.7	157.1	180.5	180.5	157.1	104.7	66.0	32.5	10.2	1.6			0.4	
10		2.7	15.6	48.2	95.1	156.6	233.1	267.4	267.4	233.1	156.6	95.1	48.2	15.6	2.7				
0	0.7	3.7	20.3	57.2	113.8	187.1	275.3	312.4	312.4	275.3	187.1	113.8	57.2	20.3	3.7			0.7	
-10		4.3	22.4	59.4	116.8	191.4	277.3	313.5	313.5	277.3	191.4	116.8	59.4	22.4	4.3				
-20	0.9	4.5	21.8	56.2	110.2	179.2	257.4	290.8	290.8	257.4	179.2	110.2	56.2	21.8	4.5			0.9	
-30		4.1	19.1	49.1	95.2	152.4	215.8	244.4	244.4	215.8	152.4	95.2	49.1	19.1	4.1				
-40	0.9	3.5	15.2	38.6	74.9	117.5	164.8	186.6	186.6	164.8	117.5	74.9	38.6	15.2	3.5			0.9	
-50		2.8	11.3	27.5	53.6	82.7	114.0	129.4	129.4	114.0	82.7	53.6	27.5	11.3	2.8				
-60	0.7	2.1	7.4	17.7	33.3	51.3	69.7	79.5	79.5	69.7	51.3	33.3	17.7	7.4	2.1			0.7	
-70		1.5	4.5	10.3	18.3	27.2	36.0	40.8	40.8	36.0	27.2	18.3	10.3	4.5	1.5				
-80	0.3	3.3	15.2	33.3	37.1	33.3	15.2	3.3	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

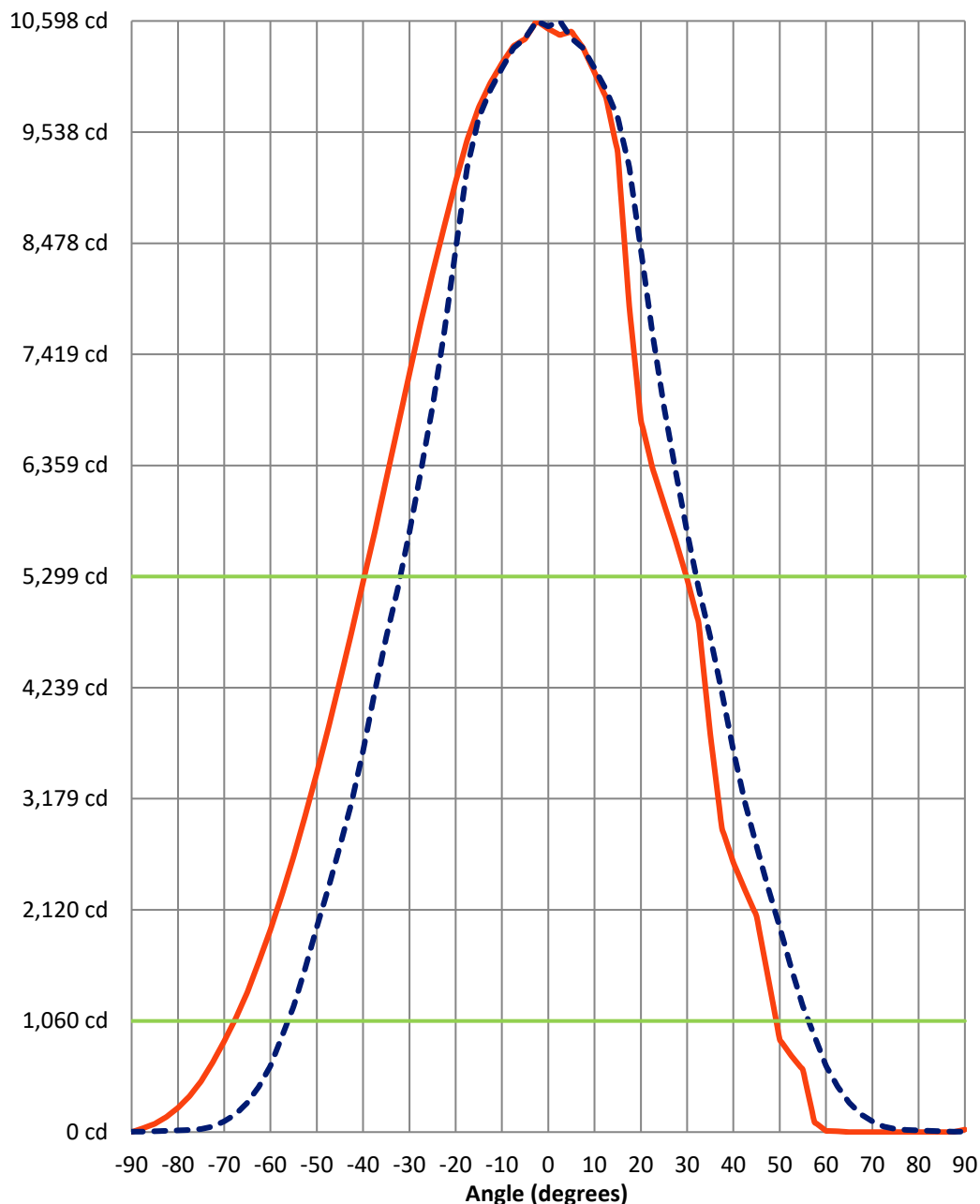
REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 8182.9
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 13421.2
 Efficiency: 94.9%

Spill:
 Lumens: 722.2
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through -2.5-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°	4	4	4	5	6	7	8	9	10	11	12
87.5°	4	4	4	4	4	3	3	2	1	1	0
85°	4	4	4	4	3	3	2	1	1	0	0
82.5°	4	4	4	4	3	2	1	0	0	1	1
80°	4	4	4	4	3	1	0	1	1	2	3
77.5°	4	4	4	3	2	1	1	2	3	4	4
75°	4	4	4	3	2	2	2	3	4	3	2
72.5°	4	4	4	3	3	3	3	4	3	2	1
70°	4	4	4	3	3	3	4	4	3	2	2
67.5°	4	4	4	3	3	4	4	4	3	3	4
65°	4	4	4	3	3	4	4	4	4	5	5
62.5°	4	4	4	4	4	4	4	5	5	6	5
60°	4	4	4	4	4	5	5	6	7	7	6
57.5°	4	4	4	4	4	5	6	7	8	8	8
55°	4	4	4	4	5	6	7	8	9	9	10
52.5°	4	4	4	4	5	6	8	9	10	11	11
50°	4	4	4	4	6	7	9	10	12	13	13
47.5°	4	4	4	4	6	8	10	11	13	14	15
45°	4	4	4	4	7	8	10	12	15	16	17
42.5°	4	4	5	5	7	9	11	14	16	18	21
40°	4	4	5	5	8	10	12	15	18	19	25
37.5°	4	4	5	6	8	11	13	16	19	22	29
35°	4	4	5	6	9	11	14	18	21	27	37
32.5°	4	4	5	7	9	12	15	19	23	33	52
30°	4	4	5	7	10	13	16	21	25	39	67
27.5°	4	4	6	8	10	13	17	22	28	47	82
25°	4	4	6	8	11	14	18	24	34	57	96
22.5°	4	4	6	9	12	14	20	25	40	69	116
20°	4	4	6	9	12	15	21	27	46	81	134
17.5°	4	4	6	10	13	16	22	29	52	91	153
15°	4	4	7	10	13	16	23	31	59	101	171
12.5°	4	4	7	10	14	17	24	33	66	111	188
10°	4	4	7	11	14	18	25	36	73	121	206
7.5°	4	4	7	11	15	18	26	39	81	132	224
5°	4	4	8	11	15	19	26	42	87	141	241
2.5°	4	4	8	12	15	19	27	45	93	150	256
0°	4	4	8	12	16	20	28	47	99	158	269
-2.5°	4	4	8	12	16	20	29	52	103	171	281
-5°	4	4	8	12	16	21	31	57	106	182	290
-7.5°	4	4	8	12	17	21	32	61	108	191	298
-10°	4	4	8	12	17	21	33	64	110	197	304
-12.5°	4	4	8	12	17	21	34	66	112	200	308
-15°	4	4	8	11	17	22	34	68	114	200	309
-17.5°	4	4	8	11	17	22	34	69	117	198	307
-20°	4	4	7	11	17	22	35	70	119	194	302

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REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4	4	7	11	17	22	37	71	120	189	292
-25°	4	4	7	11	16	24	39	71	120	183	279
-27.5°	4	4	7	11	16	25	41	70	118	177	269
-30°	4	4	7	10	16	27	42	68	116	174	257
-32.5°	4	4	7	10	16	28	42	68	113	170	245
-35°	4	4	6	10	17	29	43	68	109	164	231
-37.5°	4	4	6	9	17	30	45	68	104	156	224
-40°	4	4	6	9	17	30	45	67	98	148	217
-42.5°	4	4	6	9	17	30	45	66	95	142	206
-45°	4	4	6	9	17	30	45	64	92	135	193
-47.5°	4	4	5	9	17	30	45	63	89	125	182
-50°	4	4	5	9	17	29	44	62	86	122	170
-52.5°	4	4	5	9	16	28	42	60	84	118	156
-55°	4	4	5	8	16	27	41	57	81	113	149
-57.5°	4	4	4	8	15	25	39	54	77	107	142
-60°	4	4	4	8	14	24	37	52	73	100	133
-62.5°	4	4	4	7	13	22	34	48	67	92	122
-65°	4	4	4	7	12	19	31	44	59	82	111
-67.5°	4	4	4	6	11	17	27	38	51	70	95
-70°	4	4	4	6	10	16	23	33	44	56	77
-72.5°	4	4	4	6	9	14	20	27	36	47	59
-75°	4	4	4	6	8	12	18	23	28	37	47
-77.5°	4	4	4	6	8	10	15	19	23	28	34
-80°	4	4	4	5	7	9	12	15	19	22	26
-82.5°	4	4	4	5	7	9	11	12	14	17	20
-85°	4	4	4	5	7	8	10	11	13	14	15
-87.5°	4	4	4	5	6	8	9	10	11	12	14
-90°	4	4	4	4	4	4	4	3	2	1	0



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12	12	12	12	12	12	12	12	13	14	15
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°	1	1	1	0	0	0	0	0	0	0	0
80°	3	2	1	0	0	0	0	0	0	0	0
77.5°	2	1	0	0	0	0	0	0	0	0	0
75°	1	0	0	0	0	0	0	0	0	0	0
72.5°	1	1	1	0	0	0	0	0	0	0	0
70°	2	2	2	1	0	0	1	0	0	0	1
67.5°	4	3	2	1	2	2	2	2	2	2	2
65°	4	3	3	3	4	4	5	5	4	4	4
62.5°	4	4	5	6	6	7	7	6	5	6	7
60°	6	6	7	8	9	9	9	9	10	12	22
57.5°	8	8	9	11	12	12	12	13	31	51	57
55°	10	10	12	14	15	15	22	46	69	96	105
52.5°	12	13	16	18	20	30	55	88	122	153	192
50°	14	17	20	23	37	66	101	146	198	247	297
47.5°	18	21	26	37	73	113	162	234	298	357	426
45°	22	29	34	73	115	166	250	338	396	475	596
42.5°	26	40	65	110	162	244	348	423	500	628	756
40°	37	54	99	152	217	337	444	529	634	776	909
37.5°	51	83	133	196	305	436	550	671	792	926	1173
35°	67	109	175	262	392	546	682	817	956	1220	1465
32.5°	87	134	220	337	486	655	813	969	1193	1491	1737
30°	109	173	272	408	575	755	945	1134	1430	1677	1944
27.5°	131	214	333	481	658	849	1064	1333	1598	1842	2135
25°	154	258	388	551	740	952	1198	1526	1733	2003	2309
22.5°	184	299	443	615	816	1056	1371	1701	1944	2171	2470
20°	219	345	503	694	890	1159	1543	1889	2176	2435	2710
17.5°	251	389	567	776	998	1290	1711	2095	2410	2700	3042
15°	281	429	629	853	1104	1441	1863	2284	2644	2969	3359
12.5°	308	466	689	925	1204	1570	1990	2401	2796	3221	3663
10°	333	499	746	991	1297	1680	2094	2498	2897	3346	3838
7.5°	359	530	798	1052	1381	1771	2178	2576	2979	3447	3951
5°	384	558	839	1095	1446	1841	2241	2636	3041	3522	4037
2.5°	405	582	873	1129	1494	1893	2282	2685	3087	3583	4103
0°	423	601	898	1155	1531	1931	2306	2718	3113	3624	4146
-2.5°	435	633	916	1201	1563	1955	2328	2727	3142	3637	4195
-5°	443	659	926	1236	1584	1966	2335	2720	3150	3634	4202
-7.5°	448	677	931	1256	1591	1959	2323	2707	3138	3621	4170
-10°	451	683	938	1250	1581	1938	2296	2675	3102	3581	4111
-12.5°	458	679	937	1236	1561	1906	2257	2625	3042	3512	4028
-15°	460	671	925	1217	1529	1864	2205	2557	2968	3444	3937
-17.5°	456	659	903	1192	1486	1813	2144	2496	2899	3367	3841
-20°	445	643	870	1162	1436	1757	2082	2431	2819	3259	3734

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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°	428	623	835	1121	1392	1692	2010	2343	2720	3120	3590
-25°	410	602	806	1065	1340	1616	1928	2236	2603	2996	3412
-27.5°	393	571	777	1003	1278	1536	1835	2135	2471	2856	3240
-30°	371	538	741	943	1204	1459	1731	2026	2328	2694	3071
-32.5°	351	504	700	898	1124	1374	1618	1900	2195	2507	2880
-35°	338	484	657	845	1043	1280	1513	1758	2044	2336	2664
-37.5°	327	461	612	790	979	1183	1400	1626	1875	2170	2478
-40°	311	435	578	738	905	1090	1292	1496	1712	2000	2304
-42.5°	289	409	546	682	834	1003	1182	1374	1582	1832	2112
-45°	273	377	511	632	758	913	1081	1255	1451	1666	1917
-47.5°	252	342	465	578	689	821	975	1140	1313	1507	1713
-50°	230	312	408	519	624	734	866	1018	1175	1344	1528
-52.5°	213	278	366	457	558	658	770	900	1041	1182	1343
-55°	193	253	325	407	493	585	687	802	916	1046	1174
-57.5°	180	229	291	363	440	518	614	711	817	924	1031
-60°	169	208	259	322	391	464	543	633	724	811	904
-62.5°	157	190	231	282	345	408	478	554	637	710	782
-65°	142	170	205	247	296	350	409	473	545	605	663
-67.5°	124	148	177	211	252	294	337	392	450	499	546
-70°	101	124	147	175	207	243	281	321	360	400	444
-72.5°	77	98	118	138	163	192	224	257	292	326	359
-75°	59	72	90	108	125	144	166	192	224	257	287
-77.5°	44	56	67	80	91	105	120	137	163	194	224
-80°	32	39	48	58	66	74	82	90	110	134	161
-82.5°	24	28	34	39	43	47	51	57	72	88	106
-85°	16	18	21	24	26	28	31	33	41	50	59
-87.5°	14	15	16	16	17	17	17	17	20	23	26
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627160 (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°	16	17	18	19	20	21	22	23	24	24	24
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°	2	2	2	2	1	0	0	0	0	0	0
65°	4	4	3	2	1	1	2	3	3	3	2
62.5°	6	6	5	6	7	8	8	8	7	7	7
60°	23	16	18	23	21	15	24	27	23	16	15
57.5°	59	57	66	96	105	96	115	139	139	119	119
55°	126	170	222	230	266	339	396	371	371	389	449
52.5°	240	281	296	336	412	467	503	539	579	620	662
50°	352	392	437	478	583	639	630	706	803	863	895
47.5°	517	579	674	823	901	957	1028	1114	1225	1376	1492
45°	710	808	955	1113	1235	1290	1370	1503	1681	1853	1979
42.5°	868	1003	1169	1319	1419	1510	1614	1726	1929	2113	2259
40°	1075	1180	1365	1508	1596	1687	1852	2020	2211	2382	2502
37.5°	1337	1454	1648	1809	1894	1926	2207	2441	2596	2815	2887
35°	1618	1812	2058	2267	2350	2518	2807	3133	3486	3616	3727
32.5°	1931	2171	2505	2729	2848	3102	3469	3817	4278	4529	4604
30°	2218	2493	2780	2998	3202	3508	3842	4271	4698	5019	5118
27.5°	2429	2733	3009	3213	3443	3773	4190	4624	5043	5370	5486
25°	2630	2973	3192	3429	3700	4059	4521	5003	5416	5693	5835
22.5°	2858	3197	3432	3633	3987	4401	4829	5375	5812	6033	6187
20°	3094	3478	3840	4027	4333	4857	5337	5852	6274	6504	6667
17.5°	3424	3912	4357	4621	4949	5576	6175	6695	7283	7491	7689
15°	3771	4336	4857	5276	5700	6320	7091	7720	8390	8690	9028
12.5°	4117	4652	5124	5664	6262	6811	7544	8327	8936	9317	9545
10°	4376	4873	5327	5868	6464	7085	7815	8617	9254	9580	9766
7.5°	4515	4991	5470	6019	6612	7274	8025	8821	9472	9788	9972
5°	4619	5076	5572	6150	6750	7420	8171	8957	9551	9886	10119
2.5°	4682	5129	5637	6234	6836	7534	8321	9136	9656	9925	10139
0°	4700	5151	5673	6278	6896	7600	8379	9186	9712	9974	10191
-2.5°	4720	5185	5721	6307	6919	7621	8417	9203	9677	9940	10147
-5°	4706	5187	5722	6283	6899	7596	8360	9095	9590	9875	10081
-7.5°	4664	5152	5681	6220	6825	7529	8290	8998	9499	9800	10025
-10°	4602	5075	5608	6155	6752	7422	8171	8875	9355	9674	9936
-12.5°	4533	4997	5511	6035	6625	7287	8013	8679	9156	9504	9692
-15°	4431	4895	5386	5893	6468	7111	7804	8443	8912	9195	9402
-17.5°	4302	4757	5222	5703	6245	6878	7575	8206	8588	8840	9044
-20°	4163	4584	5025	5478	6004	6631	7316	7866	8226	8468	8661



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4005	4410	4814	5247	5763	6337	6942	7473	7861	8082	8260
-25°	3824	4218	4602	5020	5494	6010	6573	7095	7442	7677	7853
-27.5°	3629	3999	4374	4750	5176	5691	6211	6697	6993	7229	7407
-30°	3435	3768	4115	4470	4870	5334	5821	6229	6541	6772	6936
-32.5°	3224	3540	3847	4180	4556	4965	5393	5781	6114	6325	6464
-35°	3009	3315	3596	3898	4229	4582	4977	5360	5689	5856	5991
-37.5°	2784	3089	3356	3608	3894	4220	4605	4970	5255	5398	5520
-40°	2589	2857	3097	3338	3571	3861	4220	4573	4802	4941	5055
-42.5°	2399	2625	2822	3038	3271	3557	3846	4143	4326	4481	4601
-45°	2178	2381	2565	2745	2957	3218	3481	3718	3890	4040	4156
-47.5°	1934	2129	2308	2469	2666	2884	3105	3303	3473	3621	3724
-50°	1706	1881	2055	2218	2389	2565	2745	2918	3079	3223	3312
-52.5°	1502	1663	1816	1958	2108	2257	2405	2564	2713	2849	2919
-55°	1318	1463	1601	1721	1840	1959	2086	2233	2369	2495	2546
-57.5°	1152	1276	1398	1500	1597	1691	1803	1927	2047	2155	2196
-60°	999	1098	1200	1290	1375	1456	1554	1653	1750	1832	1867
-62.5°	859	944	1021	1094	1166	1239	1318	1397	1475	1538	1570
-65°	724	791	853	914	972	1033	1095	1155	1213	1258	1285
-67.5°	597	648	698	745	793	843	891	937	981	1015	1042
-70°	485	524	563	602	643	681	717	752	784	809	829
-72.5°	391	423	456	491	524	553	579	604	628	642	653
-75°	315	342	371	399	427	449	468	486	504	505	502
-77.5°	255	279	301	323	345	359	370	383	395	388	377
-80°	187	207	226	245	264	272	278	283	287	277	266
-82.5°	124	137	149	162	174	179	183	186	189	181	171
-85°	69	75	81	87	93	97	100	103	106	101	95
-87.5°	29	30	31	33	34	35	37	38	39	39	39
-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: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	24	24	24	24	24	24	24	24	24	24	23
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°	1	0	0	0	0	0	1	2	3	3	3
62.5°	7	8	8	8	8	8	7	7	7	7	8
60°	14	12	12	12	12	12	14	15	16	23	27
57.5°	110	94	96	107	96	94	110	119	119	139	139
55°	513	572	593	582	593	572	513	449	389	371	371
52.5°	694	719	728	728	728	719	694	662	620	579	539
50°	904	896	883	870	883	896	904	895	863	803	706
47.5°	1509	1483	1472	1492	1472	1483	1509	1492	1376	1225	1114
45°	2005	2035	2058	2057	2058	2035	2005	1979	1853	1681	1503
42.5°	2287	2304	2308	2303	2308	2304	2287	2259	2113	1929	1726
40°	2539	2559	2570	2579	2570	2559	2539	2502	2382	2211	2020
37.5°	2910	2917	2902	2892	2902	2917	2910	2887	2815	2596	2441
35°	3820	3839	3796	3841	3796	3839	3820	3727	3616	3486	3133
32.5°	4693	4780	4851	4910	4851	4780	4693	4604	4529	4278	3817
30°	5188	5244	5274	5282	5274	5244	5188	5118	5019	4698	4271
27.5°	5551	5610	5646	5673	5646	5610	5551	5486	5370	5043	4624
25°	5900	5954	5991	6005	5991	5954	5900	5835	5693	5416	5003
22.5°	6263	6301	6336	6354	6336	6301	6263	6187	6033	5812	5375
20°	6784	6763	6796	6785	6796	6763	6784	6667	6504	6274	5852
17.5°	7844	7855	7877	7912	7877	7855	7844	7689	7491	7283	6695
15°	9178	9205	9341	9463	9341	9205	9178	9028	8690	8390	7720
12.5°	9757	9850	9864	9898	9864	9850	9757	9545	9317	8936	8327
10°	9950	10111	10107	10148	10107	10111	9950	9766	9580	9254	8617
7.5°	10096	10269	10342	10373	10342	10269	10096	9972	9788	9472	8821
5°	10275	10370	10496	10460	10496	10370	10275	10119	9886	9551	8957
2.5°	10350	10499	10465	10500	10465	10499	10350	10139	9925	9656	9136
0°	10401	10507	10523	10559	10523	10507	10401	10191	9974	9712	9186
-2.5°	10339	10433	10598	10547	10598	10433	10339	10147	9940	9677	9203
-5°	10286	10517	10427	10539	10427	10517	10286	10081	9875	9590	9095
-7.5°	10258	10299	10359	10444	10359	10299	10258	10025	9800	9499	8998
-10°	10043	10085	10195	10254	10195	10085	10043	9936	9674	9355	8875
-12.5°	9810	9892	10007	10045	10007	9892	9810	9692	9504	9156	8679
-15°	9542	9664	9776	9799	9776	9664	9542	9402	9195	8912	8443
-17.5°	9201	9347	9465	9491	9465	9347	9201	9044	8840	8588	8206
-20°	8825	8965	9065	9095	9065	8965	8825	8661	8468	8226	7866

Classified

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

Scaled Data Report



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8423	8548	8633	8621	8633	8548	8423	8260	8082	7861	7473
-25°	7995	8112	8193	8181	8193	8112	7995	7853	7677	7442	7095
-27.5°	7544	7654	7732	7734	7732	7654	7544	7407	7229	6993	6697
-30°	7069	7169	7232	7208	7232	7169	7069	6936	6772	6541	6229
-32.5°	6579	6670	6728	6745	6728	6670	6579	6464	6325	6114	5781
-35°	6097	6177	6227	6239	6227	6177	6097	5991	5856	5689	5360
-37.5°	5617	5686	5721	5705	5721	5686	5617	5520	5398	5255	4970
-40°	5143	5208	5248	5258	5248	5208	5143	5055	4941	4802	4573
-42.5°	4677	4731	4766	4783	4766	4731	4677	4601	4481	4326	4143
-45°	4224	4273	4306	4324	4306	4273	4224	4156	4040	3890	3718
-47.5°	3784	3827	3855	3869	3855	3827	3784	3724	3621	3473	3303
-50°	3363	3400	3427	3442	3427	3400	3363	3312	3223	3079	2918
-52.5°	2964	2996	3019	3030	3019	2996	2964	2919	2849	2713	2564
-55°	2583	2609	2630	2643	2630	2609	2583	2546	2495	2369	2233
-57.5°	2227	2249	2269	2283	2269	2249	2227	2196	2155	2047	1927
-60°	1895	1915	1932	1942	1932	1915	1895	1867	1832	1750	1653
-62.5°	1594	1612	1628	1638	1628	1612	1594	1570	1538	1475	1397
-65°	1307	1323	1334	1341	1334	1323	1307	1285	1258	1213	1155
-67.5°	1064	1083	1086	1084	1086	1083	1064	1042	1015	981	937
-70°	848	863	867	866	867	863	848	829	809	784	752
-72.5°	663	671	664	653	664	671	663	653	642	628	604
-75°	497	492	484	475	484	492	497	502	505	504	486
-77.5°	364	351	342	332	342	351	364	377	388	395	383
-80°	254	240	231	222	231	240	254	266	277	287	283
-82.5°	161	150	144	139	144	150	161	171	181	189	186
-85°	89	83	79	75	79	83	89	95	101	106	103
-87.5°	39	40	38	36	38	40	39	39	39	39	38
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22	21	20	19	18	17	16	15	14	13	12
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	1	0	0	0
67.5°	0	0	1	2	2	2	2	2	2	2	2
65°	2	1	1	2	3	4	4	4	4	4	5
62.5°	8	8	7	6	5	6	6	7	6	5	6
60°	24	15	21	23	18	16	23	22	12	10	9
57.5°	115	96	105	96	66	57	59	57	51	31	13
55°	396	339	266	230	222	170	126	105	96	69	46
52.5°	503	467	412	336	296	281	240	192	153	122	88
50°	630	639	583	478	437	392	352	297	247	198	146
47.5°	1028	957	901	823	674	579	517	426	357	298	234
45°	1370	1290	1235	1113	955	808	710	596	475	396	338
42.5°	1614	1510	1419	1319	1169	1003	868	756	628	500	423
40°	1852	1687	1596	1508	1365	1180	1075	909	776	634	529
37.5°	2207	1926	1894	1809	1648	1454	1337	1173	926	792	671
35°	2807	2518	2350	2267	2058	1812	1618	1465	1220	956	817
32.5°	3469	3102	2848	2729	2505	2171	1931	1737	1491	1193	969
30°	3842	3508	3202	2998	2780	2493	2218	1944	1677	1430	1134
27.5°	4190	3773	3443	3213	3009	2733	2429	2135	1842	1598	1333
25°	4521	4059	3700	3429	3192	2973	2630	2309	2003	1733	1526
22.5°	4829	4401	3987	3633	3432	3197	2858	2470	2171	1944	1701
20°	5337	4857	4333	4027	3840	3478	3094	2710	2435	2176	1889
17.5°	6175	5576	4949	4621	4357	3912	3424	3042	2700	2410	2095
15°	7091	6320	5700	5276	4857	4336	3771	3359	2969	2644	2284
12.5°	7544	6811	6262	5664	5124	4652	4117	3663	3221	2796	2401
10°	7815	7085	6464	5868	5327	4873	4376	3838	3346	2897	2498
7.5°	8025	7274	6612	6019	5470	4991	4515	3951	3447	2979	2576
5°	8171	7420	6750	6150	5572	5076	4619	4037	3522	3041	2636
2.5°	8321	7534	6836	6234	5637	5129	4682	4103	3583	3087	2685
0°	8379	7600	6896	6278	5673	5151	4700	4146	3624	3113	2718
-2.5°	8417	7621	6919	6307	5721	5185	4720	4195	3637	3142	2727
-5°	8360	7596	6899	6283	5722	5187	4706	4202	3634	3150	2720
-7.5°	8290	7529	6825	6220	5681	5152	4664	4170	3621	3138	2707
-10°	8171	7422	6752	6155	5608	5075	4602	4111	3581	3102	2675
-12.5°	8013	7287	6625	6035	5511	4997	4533	4028	3512	3042	2625
-15°	7804	7111	6468	5893	5386	4895	4431	3937	3444	2968	2557
-17.5°	7575	6878	6245	5703	5222	4757	4302	3841	3367	2899	2496
-20°	7316	6631	6004	5478	5025	4584	4163	3734	3259	2819	2431

Classified

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

Scaled Data Report



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6942	6337	5763	5247	4814	4410	4005	3590	3120	2720	2343
-25°	6573	6010	5494	5020	4602	4218	3824	3412	2996	2603	2236
-27.5°	6211	5691	5176	4750	4374	3999	3629	3240	2856	2471	2135
-30°	5821	5334	4870	4470	4115	3768	3435	3071	2694	2328	2026
-32.5°	5393	4965	4556	4180	3847	3540	3224	2880	2507	2195	1900
-35°	4977	4582	4229	3898	3596	3315	3009	2664	2336	2044	1758
-37.5°	4605	4220	3894	3608	3356	3089	2784	2478	2170	1875	1626
-40°	4220	3861	3571	3338	3097	2857	2589	2304	2000	1712	1496
-42.5°	3846	3557	3271	3038	2822	2625	2399	2112	1832	1582	1374
-45°	3481	3218	2957	2745	2565	2381	2178	1917	1666	1451	1255
-47.5°	3105	2884	2666	2469	2308	2129	1934	1713	1507	1313	1140
-50°	2745	2565	2389	2218	2055	1881	1706	1528	1344	1175	1018
-52.5°	2405	2257	2108	1958	1816	1663	1502	1343	1182	1041	900
-55°	2086	1959	1840	1721	1601	1463	1318	1174	1046	916	802
-57.5°	1803	1691	1597	1500	1398	1276	1152	1031	924	817	711
-60°	1554	1456	1375	1290	1200	1098	999	904	811	724	633
-62.5°	1318	1239	1166	1094	1021	944	859	782	710	637	554
-65°	1095	1033	972	914	853	791	724	663	605	545	473
-67.5°	891	843	793	745	698	648	597	546	499	450	392
-70°	717	681	643	602	563	524	485	444	400	360	321
-72.5°	579	553	524	491	456	423	391	359	326	292	257
-75°	468	449	427	399	371	342	315	287	257	224	192
-77.5°	370	359	345	323	301	279	255	224	194	163	137
-80°	278	272	264	245	226	207	187	161	134	110	90
-82.5°	183	179	174	162	149	137	124	106	88	72	57
-85°	100	97	93	87	81	75	69	59	50	41	33
-87.5°	37	35	34	33	31	30	29	26	23	20	17
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12	12	12	12	12	12	12	12	11	10	9
87.5°	0	0	0	0	0	0	0	0	1	1	2
85°	0	0	0	0	0	0	0	0	0	1	1
82.5°	0	0	0	0	1	1	1	1	1	0	0
80°	0	0	0	0	1	2	3	3	2	1	1
77.5°	0	0	0	0	0	1	2	4	4	3	2
75°	0	0	0	0	0	0	1	2	3	4	3
72.5°	0	0	0	0	1	1	1	1	2	3	4
70°	1	0	0	1	2	2	2	2	2	3	4
67.5°	2	2	2	1	2	3	4	4	3	3	4
65°	5	4	4	3	3	3	4	5	5	4	4
62.5°	7	7	6	6	5	4	4	5	6	5	5
60°	9	9	9	8	7	6	6	6	7	7	6
57.5°	12	12	12	11	9	8	8	8	8	8	7
55°	22	15	15	14	12	10	10	10	9	9	8
52.5°	55	30	20	18	16	13	12	11	11	10	9
50°	101	66	37	23	20	17	14	13	13	12	10
47.5°	162	113	73	37	26	21	18	15	14	13	11
45°	250	166	115	73	34	29	22	17	16	15	12
42.5°	348	244	162	110	65	40	26	21	18	16	14
40°	444	337	217	152	99	54	37	25	19	18	15
37.5°	550	436	305	196	133	83	51	29	22	19	16
35°	682	546	392	262	175	109	67	37	27	21	18
32.5°	813	655	486	337	220	134	87	52	33	23	19
30°	945	755	575	408	272	173	109	67	39	25	21
27.5°	1064	849	658	481	333	214	131	82	47	28	22
25°	1198	952	740	551	388	258	154	96	57	34	24
22.5°	1371	1056	816	615	443	299	184	116	69	40	25
20°	1543	1159	890	694	503	345	219	134	81	46	27
17.5°	1711	1290	998	776	567	389	251	153	91	52	29
15°	1863	1441	1104	853	629	429	281	171	101	59	31
12.5°	1990	1570	1204	925	689	466	308	188	111	66	33
10°	2094	1680	1297	991	746	499	333	206	121	73	36
7.5°	2178	1771	1381	1052	798	530	359	224	132	81	39
5°	2241	1841	1446	1095	839	558	384	241	141	87	42
2.5°	2282	1893	1494	1129	873	582	405	256	150	93	45
0°	2306	1931	1531	1155	898	601	423	269	158	99	47
-2.5°	2328	1955	1563	1201	916	633	435	281	171	103	52
-5°	2335	1966	1584	1236	926	659	443	290	182	106	57
-7.5°	2323	1959	1591	1256	931	677	448	298	191	108	61
-10°	2296	1938	1581	1250	938	683	451	304	197	110	64
-12.5°	2257	1906	1561	1236	937	679	458	308	200	112	66
-15°	2205	1864	1529	1217	925	671	460	309	200	114	68
-17.5°	2144	1813	1486	1192	903	659	456	307	198	117	69
-20°	2082	1757	1436	1162	870	643	445	302	194	119	70

Classified

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

Scaled Data Report



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2010	1692	1392	1121	835	623	428	292	189	120	71
-25°	1928	1616	1340	1065	806	602	410	279	183	120	71
-27.5°	1835	1536	1278	1003	777	571	393	269	177	118	70
-30°	1731	1459	1204	943	741	538	371	257	174	116	68
-32.5°	1618	1374	1124	898	700	504	351	245	170	113	68
-35°	1513	1280	1043	845	657	484	338	231	164	109	68
-37.5°	1400	1183	979	790	612	461	327	224	156	104	68
-40°	1292	1090	905	738	578	435	311	217	148	98	67
-42.5°	1182	1003	834	682	546	409	289	206	142	95	66
-45°	1081	913	758	632	511	377	273	193	135	92	64
-47.5°	975	821	689	578	465	342	252	182	125	89	63
-50°	866	734	624	519	408	312	230	170	122	86	62
-52.5°	770	658	558	457	366	278	213	156	118	84	60
-55°	687	585	493	407	325	253	193	149	113	81	57
-57.5°	614	518	440	363	291	229	180	142	107	77	54
-60°	543	464	391	322	259	208	169	133	100	73	52
-62.5°	478	408	345	282	231	190	157	122	92	67	48
-65°	409	350	296	247	205	170	142	111	82	59	44
-67.5°	337	294	252	211	177	148	124	95	70	51	38
-70°	281	243	207	175	147	124	101	77	56	44	33
-72.5°	224	192	163	138	118	98	77	59	47	36	27
-75°	166	144	125	108	90	72	59	47	37	28	23
-77.5°	120	105	91	80	67	56	44	34	28	23	19
-80°	82	74	66	58	48	39	32	26	22	19	15
-82.5°	51	47	43	39	34	28	24	20	17	14	12
-85°	31	28	26	24	21	18	16	15	14	13	11
-87.5°	17	17	17	16	16	15	14	14	12	11	10
-90°	0	0	0	0	0	0	0	0	1	2	3

Classified

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

Scaled Data Report



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	7	6	5	4	4	4
87.5°	3	3	4	4	4	4	4
85°	2	3	3	4	4	4	4
82.5°	1	2	3	4	4	4	4
80°	0	1	3	4	4	4	4
77.5°	1	1	2	3	4	4	4
75°	2	2	2	3	4	4	4
72.5°	3	3	3	3	4	4	4
70°	4	3	3	3	4	4	4
67.5°	4	4	3	3	4	4	4
65°	4	4	3	3	4	4	4
62.5°	4	4	4	4	4	4	4
60°	5	5	4	4	4	4	4
57.5°	6	5	4	4	4	4	4
55°	7	6	5	4	4	4	4
52.5°	8	6	5	4	4	4	4
50°	9	7	6	4	4	4	4
47.5°	10	8	6	4	4	4	4
45°	10	8	7	4	4	4	4
42.5°	11	9	7	5	5	4	4
40°	12	10	8	5	5	4	4
37.5°	13	11	8	6	5	4	4
35°	14	11	9	6	5	4	4
32.5°	15	12	9	7	5	4	4
30°	16	13	10	7	5	4	4
27.5°	17	13	10	8	6	4	4
25°	18	14	11	8	6	4	4
22.5°	20	14	12	9	6	4	4
20°	21	15	12	9	6	4	4
17.5°	22	16	13	10	6	4	4
15°	23	16	13	10	7	4	4
12.5°	24	17	14	10	7	4	4
10°	25	18	14	11	7	4	4
7.5°	26	18	15	11	7	4	4
5°	26	19	15	11	8	4	4
2.5°	27	19	15	12	8	4	4
0°	28	20	16	12	8	4	4
-2.5°	29	20	16	12	8	4	4
-5°	31	21	16	12	8	4	4
-7.5°	32	21	17	12	8	4	4
-10°	33	21	17	12	8	4	4
-12.5°	34	21	17	12	8	4	4
-15°	34	22	17	11	8	4	4
-17.5°	34	22	17	11	8	4	4
-20°	35	22	17	11	7	4	4

Classified

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

Scaled Data Report



REPORT NUMBER: P627160 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37	22	17	11	7	4	4
-25°	39	24	16	11	7	4	4
-27.5°	41	25	16	11	7	4	4
-30°	42	27	16	10	7	4	4
-32.5°	42	28	16	10	7	4	4
-35°	43	29	17	10	6	4	4
-37.5°	45	30	17	9	6	4	4
-40°	45	30	17	9	6	4	4
-42.5°	45	30	17	9	6	4	4
-45°	45	30	17	9	6	4	4
-47.5°	45	30	17	9	5	4	4
-50°	44	29	17	9	5	4	4
-52.5°	42	28	16	9	5	4	4
-55°	41	27	16	8	5	4	4
-57.5°	39	25	15	8	4	4	4
-60°	37	24	14	8	4	4	4
-62.5°	34	22	13	7	4	4	4
-65°	31	19	12	7	4	4	4
-67.5°	27	17	11	6	4	4	4
-70°	23	16	10	6	4	4	4
-72.5°	20	14	9	6	4	4	4
-75°	18	12	8	6	4	4	4
-77.5°	15	10	8	6	4	4	4
-80°	12	9	7	5	4	4	4
-82.5°	11	9	7	5	4	4	4
-85°	10	8	7	5	4	4	4
-87.5°	9	8	6	5	4	4	4
-90°	4	4	4	4	4	4	4

(END OF REPORT)