

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: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-740-U-MR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2E-740-U-MR-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15005.8 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 52907.7 candela
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V
Beam Lumens: 7503 lumens
Beam Efficiency: 50.0%

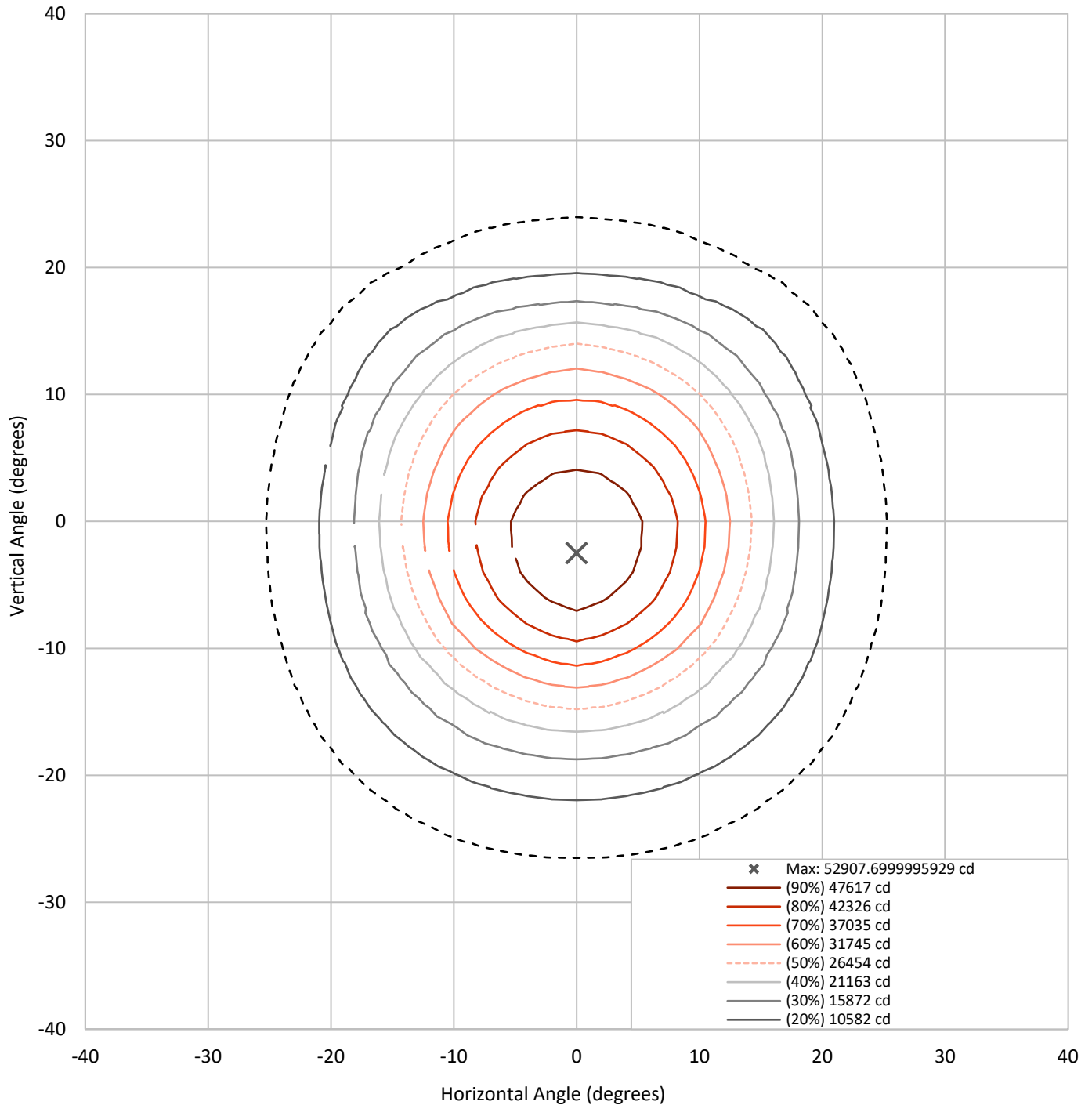
Field Angle (10%): 50.2°H x 50.4°V
Field Lumens: 12892.8 lumens
Field Efficiency: 85.9%

Input Watts (W): 125.7
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



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





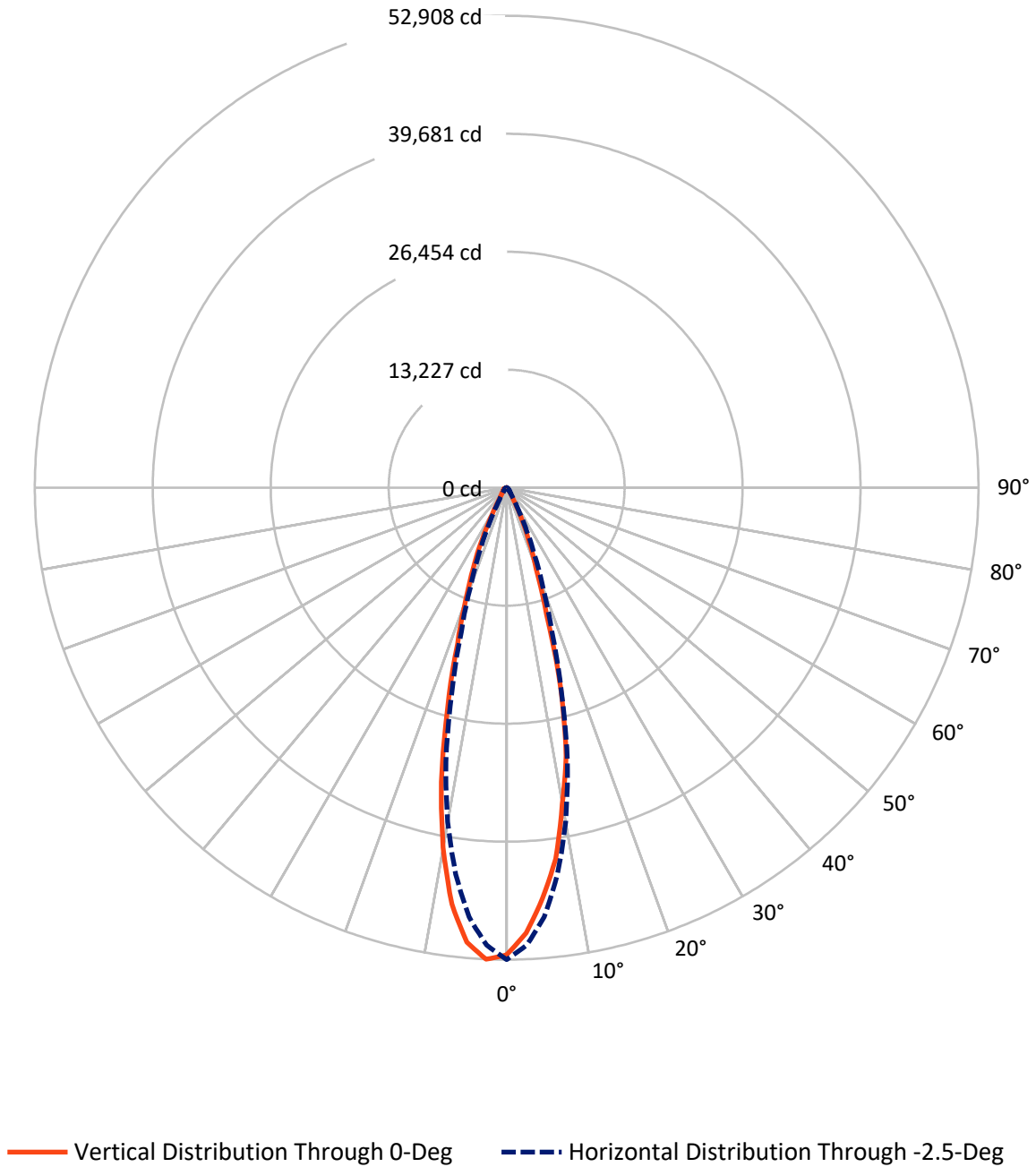
REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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				
70																			
60	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0				
50		0.0	0.1	0.4	1.0	1.7	2.4	2.8	2.8	2.4	1.7	1.0	0.4	0.1		0.0			
40	0.0	0.1	0.5	1.6	3.1	4.9	6.8	8.0	8.0	6.8	4.9	3.1	1.6	0.5	0.1	0.0			
30		0.2	1.3	3.2	5.9	9.7	16.2	21.6	21.6	16.2	9.7	5.9	3.2	1.3	0.2				
20	0.1	0.5	2.0	4.9	9.3	22.7	71.2	130.6	130.6	71.2	22.7	9.3	4.9	2.0	0.5	0.1			
10		0.7	2.8	6.7	16.0	78.2	317.8	622.2	622.2	317.8	78.2	16.0	6.7	2.8	0.7				
0	0.2	0.9	3.4	7.9	22.9	149.0	641.7	1257.7	1257.7	641.7	149.0	22.9	7.9	3.4	0.9	0.2			
-10		1.1	3.7	8.4	24.5	156.1	658.4	1333.6	1333.6	658.4	156.1	24.5	8.4	3.7	1.1				
-20	0.3	1.2	3.8	8.2	20.1	95.8	364.1	705.7	705.7	364.1	95.8	20.1	8.2	3.8	1.2	0.3			
-30		1.1	3.6	7.5	14.7	37.2	112.7	201.2	201.2	112.7	37.2	14.7	7.5	3.6	1.1				
-40	0.3	1.0	3.2	6.5	11.2	18.4	30.0	40.1	40.1	30.0	18.4	11.2	6.5	3.2	1.0	0.3			
-50		0.8	2.6	5.4	8.8	12.7	16.7	18.7	18.7	16.7	12.7	8.8	5.4	2.6	0.8				
-60	0.2	0.6	2.0	4.2	6.9	9.6	12.0	13.1	13.1	12.0	9.6	6.9	4.2	2.0	0.6	0.2			
-70		0.4	1.2	2.7	4.6	6.5	8.2	9.1	9.1	8.2	6.5	4.6	2.7	1.2	0.4				
-80	0.1	1.0	4.4	9.6	12.1	9.6	4.4	1.0	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

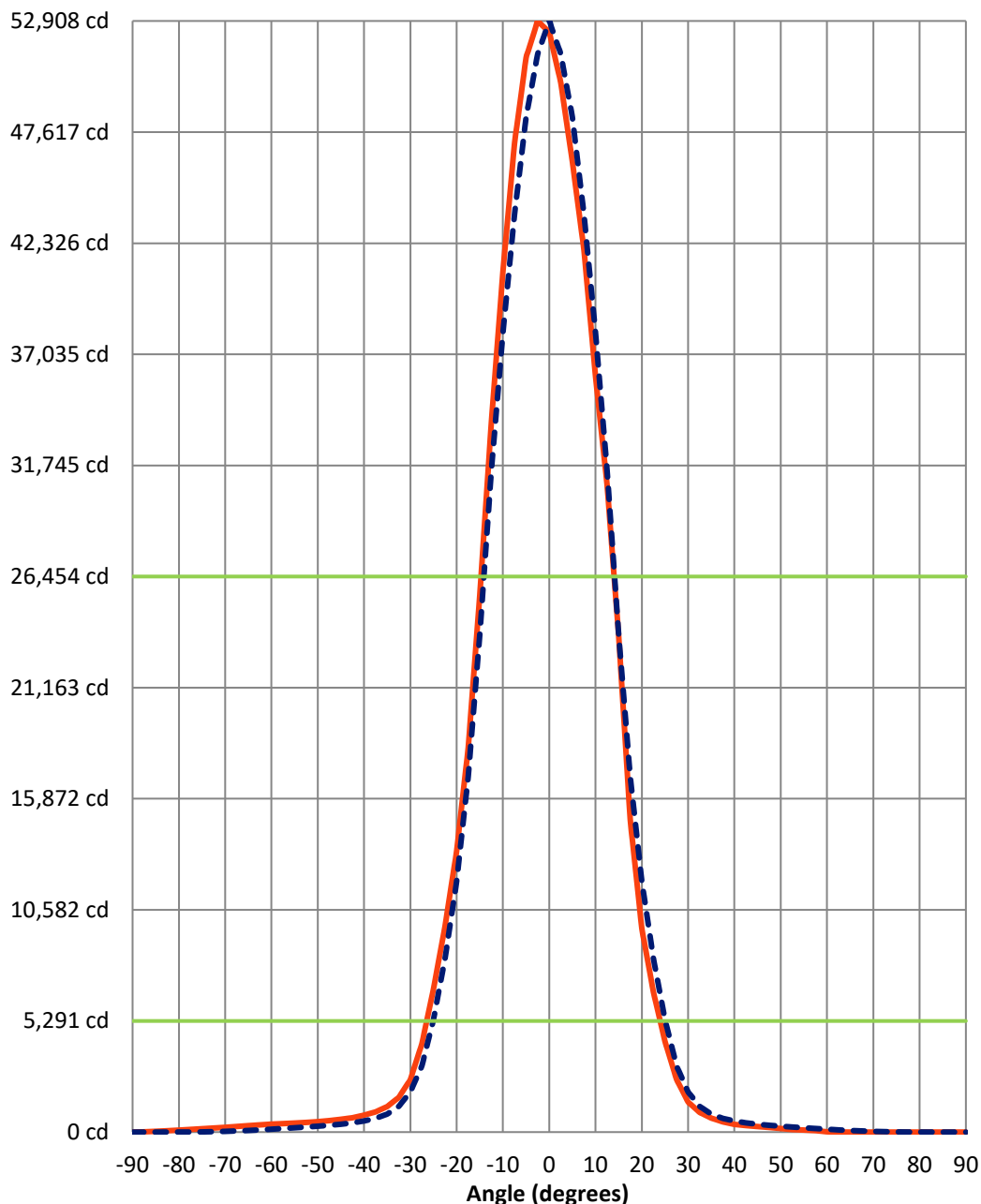
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.2°
 V Angle: 28.7°
 Lumens: 7503
 Efficiency: 50.0%

Field:
 H Angle: 50.2°
 V Angle: 50.4°
 Lumens: 12892.8
 Efficiency: 85.9%

Spill:
 Lumens: 2113
 Efficiency: 14.1%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through -2.5-Deg

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Scaled Data Report

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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	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°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	1	1
57.5°	0	0	0	0	0	0	0	0	1	1	1
55°	0	0	0	0	0	0	0	0	1	2	1
52.5°	0	0	0	0	0	0	1	1	2	2	2
50°	0	0	0	0	0	0	1	2	3	2	2
47.5°	0	0	0	0	0	1	1	2	3	3	3
45°	0	0	0	0	0	1	2	3	3	3	3
42.5°	0	0	0	0	0	1	2	3	3	3	5
40°	0	0	0	0	0	2	3	3	3	3	8
37.5°	0	0	0	0	0	2	3	3	4	5	11
35°	0	0	0	0	1	3	3	3	5	8	14
32.5°	0	0	0	0	1	3	3	3	6	11	18
30°	0	0	0	0	2	3	3	4	7	14	22
27.5°	0	0	0	0	2	3	3	5	9	17	27
25°	0	0	0	0	2	3	3	6	12	20	31
22.5°	0	0	0	0	2	3	3	7	14	24	37
20°	0	0	0	0	2	3	3	8	16	28	43
17.5°	0	0	0	0	3	3	3	10	18	31	48
15°	0	0	0	0	3	3	4	11	20	35	53
12.5°	0	0	0	0	3	3	4	13	22	39	57
10°	0	0	0	0	3	3	5	15	24	42	61
7.5°	0	0	0	0	3	3	5	16	26	45	65
5°	0	0	0	0	3	3	6	18	27	48	68
2.5°	0	0	0	0	3	3	6	19	29	51	71
0°	0	0	0	0	3	3	7	20	30	53	73
-2.5°	0	0	0	0	3	4	8	20	33	55	75
-5°	0	0	0	0	3	4	9	21	36	57	77
-7.5°	0	0	0	1	3	4	10	21	38	58	78
-10°	0	0	0	1	3	5	11	21	40	59	79
-12.5°	0	0	0	1	3	5	12	21	41	60	81
-15°	0	0	0	1	3	5	13	21	41	61	83
-17.5°	0	0	0	1	3	5	13	22	40	61	83
-20°	0	0	0	1	3	5	13	23	40	61	83

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Scaled Data Report



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	0	0	1	3	5	14	24	39	60	82
-25°	0	0	0	2	3	6	14	25	38	59	80
-27.5°	0	0	0	2	3	6	14	25	37	57	78
-30°	0	0	0	1	3	6	14	25	36	55	76
-32.5°	0	0	0	1	4	7	14	25	36	53	73
-35°	0	0	0	1	4	7	14	24	36	51	69
-37.5°	0	0	0	1	4	7	14	24	35	49	67
-40°	0	0	0	1	4	7	13	23	34	47	65
-42.5°	0	0	0	1	4	7	13	22	33	46	63
-45°	0	0	0	1	4	7	13	21	31	44	60
-47.5°	0	0	0	0	4	7	12	20	30	41	57
-50°	0	0	0	0	4	7	11	19	28	39	53
-52.5°	0	0	0	1	3	7	11	17	27	37	49
-55°	0	0	0	1	3	6	10	16	24	34	45
-57.5°	0	0	0	1	3	6	10	15	22	31	41
-60°	0	0	0	1	2	6	9	13	20	28	37
-62.5°	0	0	0	1	2	5	8	12	18	24	33
-65°	0	0	0	1	2	5	7	11	16	22	29
-67.5°	0	0	0	1	2	4	7	10	14	19	25
-70°	0	0	0	1	2	4	6	9	12	16	22
-72.5°	0	0	0	1	2	3	6	8	10	14	18
-75°	0	0	0	1	2	3	5	6	8	11	15
-77.5°	0	0	0	0	1	3	4	5	7	8	11
-80°	0	0	0	0	1	2	3	4	5	6	8
-82.5°	0	0	0	0	1	2	3	3	3	4	5
-85°	0	0	0	0	1	1	2	2	2	3	3
-87.5°	0	0	0	0	0	1	1	1	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-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	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°	0	0	0	0	0	0	1	1	0	1	1
60°	0	0	0	1	1	1	2	3	3	3	7
57.5°	0	1	2	2	2	4	5	6	10	15	18
55°	1	2	3	3	5	8	11	17	22	29	35
52.5°	2	3	3	5	10	14	21	29	38	45	50
50°	3	4	4	11	17	24	34	45	53	59	69
47.5°	4	5	10	17	26	37	51	60	67	79	93
45°	6	10	16	25	37	52	64	73	86	100	114
42.5°	9	15	24	33	51	66	78	90	104	120	135
40°	13	20	32	47	65	79	94	108	123	141	157
37.5°	17	28	41	60	78	94	111	127	145	164	183
35°	21	35	52	71	90	110	128	146	168	190	211
32.5°	27	43	62	82	103	124	144	168	191	215	241
30°	34	51	71	93	115	138	163	190	213	239	267
27.5°	42	59	80	103	126	151	182	208	233	261	292
25°	49	67	90	113	137	166	199	226	252	284	320
22.5°	55	75	100	121	148	181	215	246	275	306	349
20°	62	84	109	133	159	196	231	266	300	339	387
17.5°	68	92	118	145	174	211	248	286	324	372	432
15°	74	99	128	156	188	225	264	306	351	407	475
12.5°	80	106	136	166	200	238	278	322	374	441	526
10°	85	112	145	176	210	250	291	336	392	464	564
7.5°	89	118	153	185	219	260	302	348	408	484	594
5°	93	124	158	191	226	268	310	359	420	500	619
2.5°	97	129	163	196	232	273	316	365	428	514	637
0°	100	133	167	200	236	276	320	370	433	526	650
-2.5°	103	138	170	204	241	280	324	374	439	530	653
-5°	106	141	173	207	244	282	325	375	442	530	654
-7.5°	107	144	175	209	247	284	327	377	443	530	653
-10°	109	145	177	211	249	286	327	377	441	524	643
-12.5°	111	145	178	212	249	287	326	373	435	514	622
-15°	112	146	178	212	249	286	323	367	425	501	595
-17.5°	112	145	177	210	247	285	320	362	416	487	576
-20°	112	144	176	207	244	281	316	357	407	470	551

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REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	111	143	173	204	240	276	312	350	396	449	522
-25°	110	141	171	201	234	269	305	341	385	435	497
-27.5°	107	139	168	198	229	262	297	332	372	418	472
-30°	103	135	164	193	224	255	287	322	358	401	450
-32.5°	98	130	159	187	218	248	277	311	346	383	426
-35°	94	124	153	180	211	240	267	297	331	366	403
-37.5°	91	118	147	173	202	230	257	284	315	349	382
-40°	87	112	140	165	191	220	246	271	299	331	364
-42.5°	83	107	132	158	183	208	235	259	285	315	345
-45°	80	102	125	150	174	198	222	248	273	299	328
-47.5°	76	97	119	141	165	188	210	234	260	285	310
-50°	71	91	111	132	154	178	200	221	244	270	294
-52.5°	65	84	103	122	143	165	188	209	230	251	275
-55°	59	76	94	112	131	151	173	195	216	235	256
-57.5°	53	68	85	102	119	137	158	178	199	219	239
-60°	48	60	75	91	108	125	142	161	181	199	218
-62.5°	42	53	65	80	96	112	128	145	162	178	195
-65°	37	46	57	69	82	96	112	128	144	157	169
-67.5°	32	39	48	58	70	81	94	108	122	134	146
-70°	27	33	40	48	57	67	78	89	100	111	122
-72.5°	23	28	33	38	46	55	64	73	82	91	101
-75°	19	23	27	31	37	44	51	59	67	74	82
-77.5°	14	18	21	25	29	34	40	46	52	58	65
-80°	10	13	16	19	22	26	29	33	38	42	47
-82.5°	7	9	11	14	16	17	19	22	25	29	32
-85°	4	5	6	8	9	10	11	12	14	16	18
-87.5°	2	2	3	4	4	4	5	5	6	6	7
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

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	1	1	1	0	0	0
62.5°	1	1	3	3	4	4	4	5	5	5	4
60°	8	8	13	15	15	11	16	19	18	15	15
57.5°	23	29	34	35	39	46	49	48	48	51	57
55°	41	45	49	55	62	69	74	77	81	85	90
52.5°	56	63	69	76	85	90	93	102	110	116	120
50°	79	87	96	105	114	122	129	138	149	160	167
47.5°	104	114	126	139	149	156	165	178	193	206	215
45°	127	139	153	166	177	188	201	216	231	245	256
42.5°	148	161	176	191	201	217	235	251	270	288	301
40°	172	185	207	222	235	253	279	302	325	346	359
37.5°	201	223	246	265	282	304	341	377	405	434	454
35°	235	261	290	311	337	378	424	473	523	563	598
32.5°	267	297	326	359	399	457	515	594	667	743	813
30°	297	329	366	408	473	554	647	768	900	1031	1181
27.5°	327	364	407	473	572	682	854	1045	1318	1537	1891
25°	361	402	460	567	704	897	1197	1538	2102	2584	3128
22.5°	402	465	548	681	909	1257	1724	2467	3334	4138	4905
20°	452	537	679	891	1219	1754	2639	3766	4971	6148	7287
17.5°	518	653	856	1158	1622	2748	4064	5675	7738	9287	10757
15°	579	749	1056	1544	2419	3868	5707	8174	10951	13286	15927
12.5°	650	857	1226	1859	3109	5024	7369	10312	13598	17142	21280
10°	712	966	1442	2313	3830	6058	8686	12140	16361	21376	26605
7.5°	760	1058	1622	2654	4436	6907	10041	14242	19588	25450	31413
5°	798	1129	1763	2921	4953	7595	11030	15905	21999	28726	34656
2.5°	827	1179	1857	3085	5301	8066	11706	16789	23474	30866	37092
0°	849	1209	1909	3201	5463	8288	12019	17146	24165	31914	38317
-2.5°	857	1225	1911	3161	5365	8275	11946	16927	23688	31498	38057
-5°	860	1217	1863	3077	5190	7978	11468	16096	22232	29557	36204
-7.5°	854	1185	1765	2871	4797	7454	10800	14862	19892	26350	33220
-10°	831	1128	1633	2591	4257	6636	9760	13192	17210	22483	28050
-12.5°	789	1043	1451	2172	3621	5711	8477	11511	14643	18107	22687
-15°	739	956	1301	1918	3032	4739	6979	9541	12140	14793	17587
-17.5°	702	880	1148	1579	2328	3708	5499	7558	9667	11774	13655
-20°	654	790	999	1334	1878	2695	4042	5644	7220	8938	10380

Classified

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

Scaled Data Report



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	611	727	884	1094	1460	2035	2803	3931	5128	6376	7560
-25°	571	658	782	952	1170	1512	2019	2609	3449	4217	5096
-27.5°	536	610	694	820	985	1172	1484	1828	2268	2634	3221
-30°	503	562	632	712	834	976	1143	1352	1568	1784	2065
-32.5°	473	522	576	642	717	824	927	1061	1179	1309	1443
-35°	442	486	531	583	641	711	789	877	956	1034	1105
-37.5°	417	453	492	533	579	628	690	752	805	856	899
-40°	395	425	458	492	529	568	616	662	698	731	758
-42.5°	375	401	427	456	487	523	560	595	620	643	661
-45°	356	379	402	426	451	483	515	542	561	578	592
-47.5°	335	356	377	399	424	449	474	495	512	526	536
-50°	315	336	355	373	395	417	439	457	472	485	491
-52.5°	296	316	335	354	371	389	406	423	438	451	456
-55°	277	297	314	331	348	365	381	395	409	421	425
-57.5°	259	278	297	311	325	340	355	369	382	394	398
-60°	237	257	274	287	301	315	328	341	354	365	370
-62.5°	212	231	245	258	271	283	295	307	319	328	333
-65°	183	198	213	226	237	248	259	270	280	287	291
-67.5°	157	168	181	192	204	215	225	234	243	249	253
-70°	133	143	154	164	175	184	193	201	209	214	219
-72.5°	110	119	129	138	148	156	163	170	177	182	186
-75°	89	97	105	113	121	128	134	140	146	150	153
-77.5°	71	77	83	89	95	100	105	110	114	118	121
-80°	52	57	62	66	71	75	78	82	86	89	91
-82.5°	36	39	43	46	50	52	54	56	58	60	62
-85°	21	23	25	27	29	31	32	34	35	36	38
-87.5°	8	9	10	11	12	12	12	13	13	14	15
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-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	1
62.5°	4	3	3	3	3	3	4	4	5	5	5
60°	14	13	13	13	13	13	14	15	15	18	19
57.5°	62	67	69	70	69	67	62	57	51	48	48
55°	94	98	98	97	98	98	94	90	85	81	77
52.5°	122	123	122	120	122	123	122	120	116	110	102
50°	169	169	169	170	169	169	169	167	160	149	138
47.5°	218	220	221	220	221	220	218	215	206	193	178
45°	260	263	265	263	265	263	260	256	245	231	216
42.5°	306	308	309	310	309	308	306	301	288	270	251
40°	366	368	368	366	368	368	366	359	346	325	302
37.5°	467	474	478	486	478	474	467	454	434	405	377
35°	626	643	652	666	652	643	626	598	563	523	473
32.5°	864	899	918	936	918	899	864	813	743	667	594
30°	1285	1354	1381	1433	1381	1354	1285	1181	1031	900	768
27.5°	2151	2314	2378	2512	2378	2314	2151	1891	1537	1318	1045
25°	3623	3974	4168	4321	4168	3974	3623	3128	2584	2102	1538
22.5°	5680	6194	6469	6673	6469	6194	5680	4905	4138	3334	2467
20°	8319	8998	9403	9697	9403	8998	8319	7287	6148	4971	3766
17.5°	12643	13710	14335	14871	14335	13710	12643	10757	9287	7738	5675
15°	18874	21020	22687	23616	22687	21020	18874	15927	13286	10951	8174
12.5°	24936	28079	29946	30805	29946	28079	24936	21280	17142	13598	10312
10°	30932	33895	35671	35985	35671	33895	30932	26605	21376	16361	12140
7.5°	35521	38780	41140	41998	41140	38780	35521	31413	25450	19588	14242
5°	39575	43391	45888	46205	45888	43391	39575	34656	28726	21999	15905
2.5°	42557	46705	49127	49960	49127	46705	42557	37092	30866	23474	16789
0°	44000	48467	51162	52375	51162	48467	44000	38317	31914	24165	17146
-2.5°	43696	48317	51325	52908	51325	48317	43696	38057	31498	23688	16927
-5°	42035	46669	49474	51155	49474	46669	42035	36204	29557	22232	16096
-7.5°	38204	42537	45523	47075	45523	42537	38204	33220	26350	19892	14862
-10°	33267	36934	39656	40978	39656	36934	33267	28050	22483	17210	13192
-12.5°	26851	30409	32864	33799	32864	30409	26851	22687	18107	14643	11511
-15°	20573	23288	25032	25584	25032	23288	20573	17587	14793	12140	9541
-17.5°	15602	17063	18044	18309	18044	17063	15602	13655	11774	9667	7558
-20°	11688	12594	13231	13382	13231	12594	11688	10380	8938	7220	5644

Classified

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

Scaled Data Report



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8516	9197	9712	9814	9712	9197	8516	7560	6376	5128	3931
-25°	5875	6444	6793	6819	6793	6444	5875	5096	4217	3449	2609
-27.5°	3683	3996	4157	4214	4157	3996	3683	3221	2634	2268	1828
-30°	2276	2420	2496	2499	2496	2420	2276	2065	1784	1568	1352
-32.5°	1545	1615	1653	1652	1653	1615	1545	1443	1309	1179	1061
-35°	1157	1193	1214	1216	1214	1193	1157	1105	1034	956	877
-37.5°	931	951	961	963	961	951	931	899	856	805	752
-40°	778	792	801	806	801	792	778	758	731	698	662
-42.5°	673	682	686	683	686	682	673	661	643	620	595
-45°	599	605	608	610	608	605	599	592	578	561	542
-47.5°	541	544	545	546	545	544	541	536	526	512	495
-50°	495	497	498	496	498	497	495	491	485	472	457
-52.5°	458	459	459	460	459	459	458	456	451	438	423
-55°	428	429	429	430	429	429	428	425	421	409	395
-57.5°	402	405	405	403	405	405	402	398	394	382	369
-60°	374	378	379	380	379	378	374	370	365	354	341
-62.5°	338	341	343	343	343	341	338	333	328	319	307
-65°	295	298	302	306	302	298	295	291	287	280	270
-67.5°	256	258	263	266	263	258	256	253	249	243	234
-70°	222	225	226	227	226	225	222	219	214	209	201
-72.5°	189	192	193	193	193	192	189	186	182	177	170
-75°	156	159	160	160	160	159	156	153	150	146	140
-77.5°	124	126	126	127	126	126	124	121	118	114	110
-80°	94	96	95	93	95	96	94	91	89	86	82
-82.5°	64	66	65	63	65	66	64	62	60	58	56
-85°	39	40	38	37	38	40	39	38	36	35	34
-87.5°	16	17	15	13	15	17	16	15	14	13	13
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-740-U-MR-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°	1	1	0	0	0	0	0	0	0	0	0
62.5°	4	4	4	3	3	1	1	1	1	0	1
60°	16	11	15	15	13	8	8	7	3	3	3
57.5°	49	46	39	35	34	29	23	18	15	10	6
55°	74	69	62	55	49	45	41	35	29	22	17
52.5°	93	90	85	76	69	63	56	50	45	38	29
50°	129	122	114	105	96	87	79	69	59	53	45
47.5°	165	156	149	139	126	114	104	93	79	67	60
45°	201	188	177	166	153	139	127	114	100	86	73
42.5°	235	217	201	191	176	161	148	135	120	104	90
40°	279	253	235	222	207	185	172	157	141	123	108
37.5°	341	304	282	265	246	223	201	183	164	145	127
35°	424	378	337	311	290	261	235	211	190	168	146
32.5°	515	457	399	359	326	297	267	241	215	191	168
30°	647	554	473	408	366	329	297	267	239	213	190
27.5°	854	682	572	473	407	364	327	292	261	233	208
25°	1197	897	704	567	460	402	361	320	284	252	226
22.5°	1724	1257	909	681	548	465	402	349	306	275	246
20°	2639	1754	1219	891	679	537	452	387	339	300	266
17.5°	4064	2748	1622	1158	856	653	518	432	372	324	286
15°	5707	3868	2419	1544	1056	749	579	475	407	351	306
12.5°	7369	5024	3109	1859	1226	857	650	526	441	374	322
10°	8686	6058	3830	2313	1442	966	712	564	464	392	336
7.5°	10041	6907	4436	2654	1622	1058	760	594	484	408	348
5°	11030	7595	4953	2921	1763	1129	798	619	500	420	359
2.5°	11706	8066	5301	3085	1857	1179	827	637	514	428	365
0°	12019	8288	5463	3201	1909	1209	849	650	526	433	370
-2.5°	11946	8275	5365	3161	1911	1225	857	653	530	439	374
-5°	11468	7978	5190	3077	1863	1217	860	654	530	442	375
-7.5°	10800	7454	4797	2871	1765	1185	854	653	530	443	377
-10°	9760	6636	4257	2591	1633	1128	831	643	524	441	377
-12.5°	8477	5711	3621	2172	1451	1043	789	622	514	435	373
-15°	6979	4739	3032	1918	1301	956	739	595	501	425	367
-17.5°	5499	3708	2328	1579	1148	880	702	576	487	416	362
-20°	4042	2695	1878	1334	999	790	654	551	470	407	357

Classified

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

Scaled Data Report



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2803	2035	1460	1094	884	727	611	522	449	396	350
-25°	2019	1512	1170	952	782	658	571	497	435	385	341
-27.5°	1484	1172	985	820	694	610	536	472	418	372	332
-30°	1143	976	834	712	632	562	503	450	401	358	322
-32.5°	927	824	717	642	576	522	473	426	383	346	311
-35°	789	711	641	583	531	486	442	403	366	331	297
-37.5°	690	628	579	533	492	453	417	382	349	315	284
-40°	616	568	529	492	458	425	395	364	331	299	271
-42.5°	560	523	487	456	427	401	375	345	315	285	259
-45°	515	483	451	426	402	379	356	328	299	273	248
-47.5°	474	449	424	399	377	356	335	310	285	260	234
-50°	439	417	395	373	355	336	315	294	270	244	221
-52.5°	406	389	371	354	335	316	296	275	251	230	209
-55°	381	365	348	331	314	297	277	256	235	216	195
-57.5°	355	340	325	311	297	278	259	239	219	199	178
-60°	328	315	301	287	274	257	237	218	199	181	161
-62.5°	295	283	271	258	245	231	212	195	178	162	145
-65°	259	248	237	226	213	198	183	169	157	144	128
-67.5°	225	215	204	192	181	168	157	146	134	122	108
-70°	193	184	175	164	154	143	133	122	111	100	89
-72.5°	163	156	148	138	129	119	110	101	91	82	73
-75°	134	128	121	113	105	97	89	82	74	67	59
-77.5°	105	100	95	89	83	77	71	65	58	52	46
-80°	78	75	71	66	62	57	52	47	42	38	33
-82.5°	54	52	50	46	43	39	36	32	29	25	22
-85°	32	31	29	27	25	23	21	18	16	14	12
-87.5°	12	12	12	11	10	9	8	7	6	6	5
-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: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-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	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°	1	0	0	0	0	0	0	0	0	0	0
60°	2	1	1	1	0	0	0	1	1	0	0
57.5°	5	4	2	2	2	1	0	1	1	1	0
55°	11	8	5	3	3	2	1	1	2	1	0
52.5°	21	14	10	5	3	3	2	2	2	2	1
50°	34	24	17	11	4	4	3	2	2	3	2
47.5°	51	37	26	17	10	5	4	3	3	3	2
45°	64	52	37	25	16	10	6	3	3	3	3
42.5°	78	66	51	33	24	15	9	5	3	3	3
40°	94	79	65	47	32	20	13	8	3	3	3
37.5°	111	94	78	60	41	28	17	11	5	4	3
35°	128	110	90	71	52	35	21	14	8	5	3
32.5°	144	124	103	82	62	43	27	18	11	6	3
30°	163	138	115	93	71	51	34	22	14	7	4
27.5°	182	151	126	103	80	59	42	27	17	9	5
25°	199	166	137	113	90	67	49	31	20	12	6
22.5°	215	181	148	121	100	75	55	37	24	14	7
20°	231	196	159	133	109	84	62	43	28	16	8
17.5°	248	211	174	145	118	92	68	48	31	18	10
15°	264	225	188	156	128	99	74	53	35	20	11
12.5°	278	238	200	166	136	106	80	57	39	22	13
10°	291	250	210	176	145	112	85	61	42	24	15
7.5°	302	260	219	185	153	118	89	65	45	26	16
5°	310	268	226	191	158	124	93	68	48	27	18
2.5°	316	273	232	196	163	129	97	71	51	29	19
0°	320	276	236	200	167	133	100	73	53	30	20
-2.5°	324	280	241	204	170	138	103	75	55	33	20
-5°	325	282	244	207	173	141	106	77	57	36	21
-7.5°	327	284	247	209	175	144	107	78	58	38	21
-10°	327	286	249	211	177	145	109	79	59	40	21
-12.5°	326	287	249	212	178	145	111	81	60	41	21
-15°	323	286	249	212	178	146	112	83	61	41	21
-17.5°	320	285	247	210	177	145	112	83	61	40	22
-20°	316	281	244	207	176	144	112	83	61	40	23

Classified

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

Scaled Data Report



REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	312	276	240	204	173	143	111	82	60	39	24
-25°	305	269	234	201	171	141	110	80	59	38	25
-27.5°	297	262	229	198	168	139	107	78	57	37	25
-30°	287	255	224	193	164	135	103	76	55	36	25
-32.5°	277	248	218	187	159	130	98	73	53	36	25
-35°	267	240	211	180	153	124	94	69	51	36	24
-37.5°	257	230	202	173	147	118	91	67	49	35	24
-40°	246	220	191	165	140	112	87	65	47	34	23
-42.5°	235	208	183	158	132	107	83	63	46	33	22
-45°	222	198	174	150	125	102	80	60	44	31	21
-47.5°	210	188	165	141	119	97	76	57	41	30	20
-50°	200	178	154	132	111	91	71	53	39	28	19
-52.5°	188	165	143	122	103	84	65	49	37	27	17
-55°	173	151	131	112	94	76	59	45	34	24	16
-57.5°	158	137	119	102	85	68	53	41	31	22	15
-60°	142	125	108	91	75	60	48	37	28	20	13
-62.5°	128	112	96	80	65	53	42	33	24	18	12
-65°	112	96	82	69	57	46	37	29	22	16	11
-67.5°	94	81	70	58	48	39	32	25	19	14	10
-70°	78	67	57	48	40	33	27	22	16	12	9
-72.5°	64	55	46	38	33	28	23	18	14	10	8
-75°	51	44	37	31	27	23	19	15	11	8	6
-77.5°	40	34	29	25	21	18	14	11	8	7	5
-80°	29	26	22	19	16	13	10	8	6	5	4
-82.5°	19	17	16	14	11	9	7	5	4	3	3
-85°	11	10	9	8	6	5	4	3	3	2	2
-87.5°	5	4	4	4	3	2	2	1	1	1	1
-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: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-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	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	1	0	0	0	0	0
45°	2	1	0	0	0	0	0
42.5°	2	1	0	0	0	0	0
40°	3	2	0	0	0	0	0
37.5°	3	2	0	0	0	0	0
35°	3	3	1	0	0	0	0
32.5°	3	3	1	0	0	0	0
30°	3	3	2	0	0	0	0
27.5°	3	3	2	0	0	0	0
25°	3	3	2	0	0	0	0
22.5°	3	3	2	0	0	0	0
20°	3	3	2	0	0	0	0
17.5°	3	3	3	0	0	0	0
15°	4	3	3	0	0	0	0
12.5°	4	3	3	0	0	0	0
10°	5	3	3	0	0	0	0
7.5°	5	3	3	0	0	0	0
5°	6	3	3	0	0	0	0
2.5°	6	3	3	0	0	0	0
0°	7	3	3	0	0	0	0
-2.5°	8	4	3	0	0	0	0
-5°	9	4	3	0	0	0	0
-7.5°	10	4	3	1	0	0	0
-10°	11	5	3	1	0	0	0
-12.5°	12	5	3	1	0	0	0
-15°	13	5	3	1	0	0	0
-17.5°	13	5	3	1	0	0	0
-20°	13	5	3	1	0	0	0

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REPORT NUMBER: P627044 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-740-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14	5	3	1	0	0	0
-25°	14	6	3	2	0	0	0
-27.5°	14	6	3	2	0	0	0
-30°	14	6	3	1	0	0	0
-32.5°	14	7	4	1	0	0	0
-35°	14	7	4	1	0	0	0
-37.5°	14	7	4	1	0	0	0
-40°	13	7	4	1	0	0	0
-42.5°	13	7	4	1	0	0	0
-45°	13	7	4	1	0	0	0
-47.5°	12	7	4	0	0	0	0
-50°	11	7	4	0	0	0	0
-52.5°	11	7	3	1	0	0	0
-55°	10	6	3	1	0	0	0
-57.5°	10	6	3	1	0	0	0
-60°	9	6	2	1	0	0	0
-62.5°	8	5	2	1	0	0	0
-65°	7	5	2	1	0	0	0
-67.5°	7	4	2	1	0	0	0
-70°	6	4	2	1	0	0	0
-72.5°	6	3	2	1	0	0	0
-75°	5	3	2	1	0	0	0
-77.5°	4	3	1	0	0	0	0
-80°	3	2	1	0	0	0	0
-82.5°	3	2	1	0	0	0	0
-85°	2	1	1	0	0	0	0
-87.5°	1	1	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)