

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: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-740-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627346 (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-SA4B-740-U-MWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

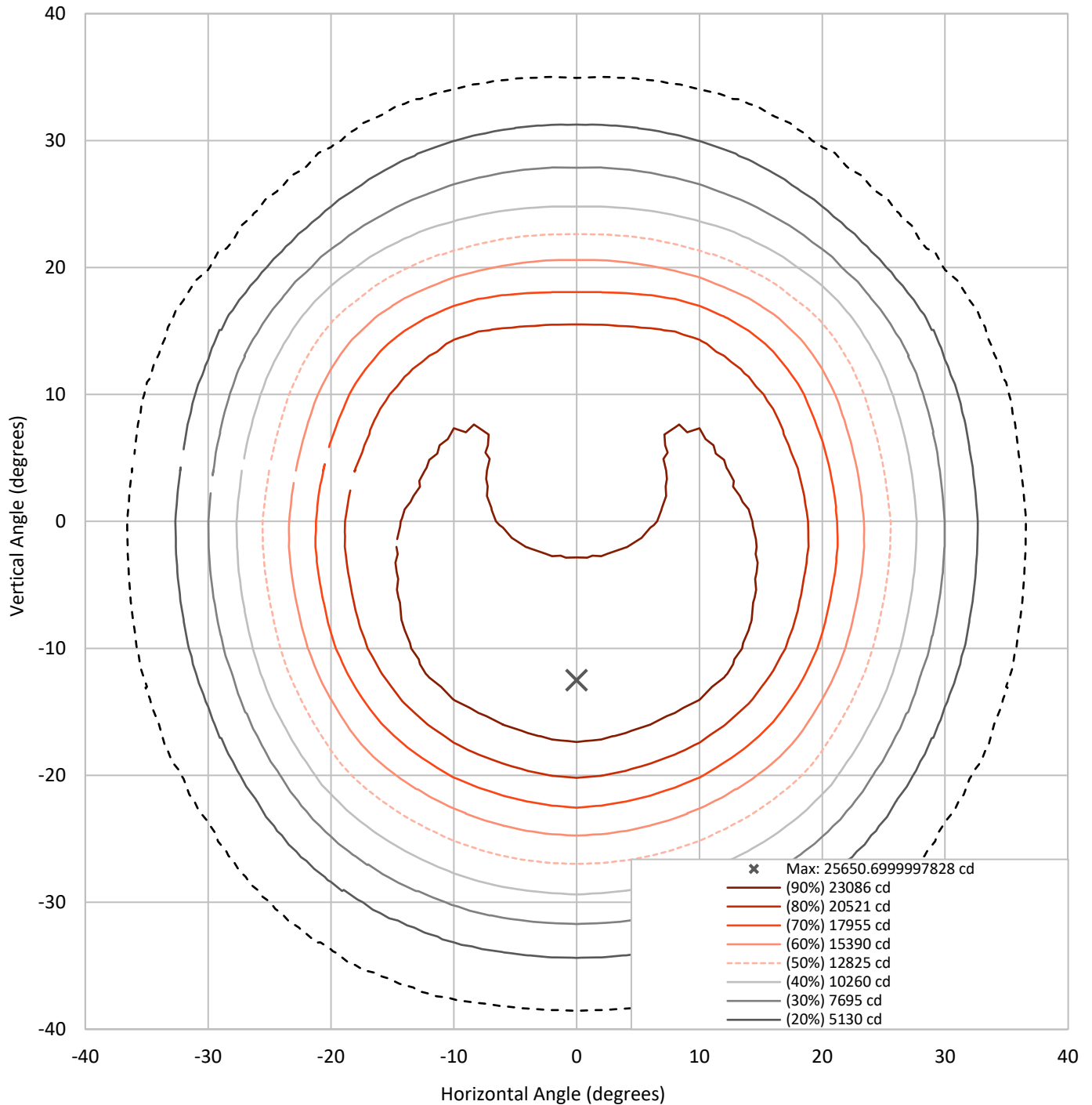
Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	18309 lumens	Max Intensity:	25650.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	141.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	12263.3 lumens	Field Lumens:	16511.5 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.2%
Input Watts (W):	129.5		
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		



REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-U-MWR-VSR-XX

Iso-Candela Plot





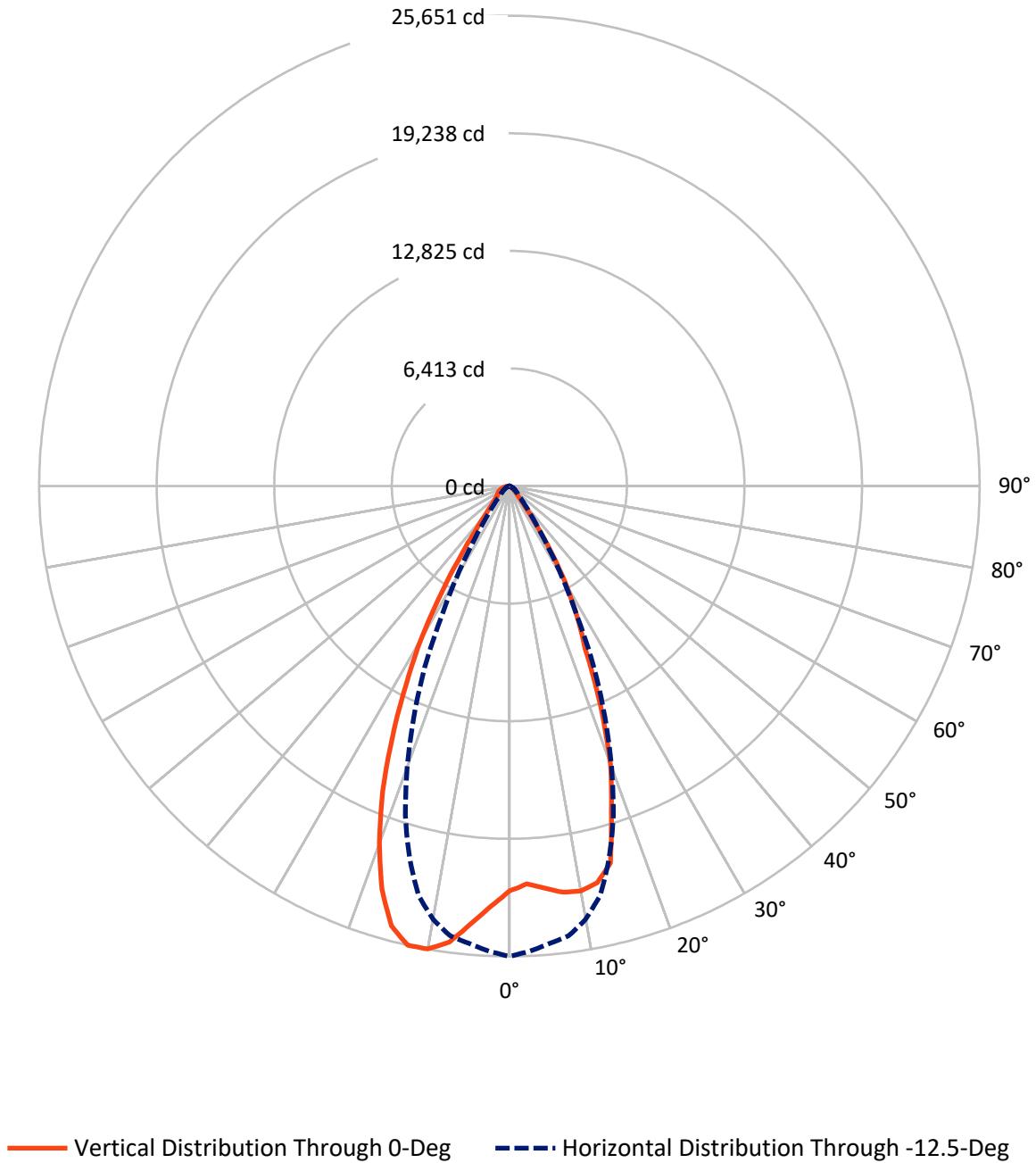
REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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		0.1	0.1	0.6	1.5	2.5	3.5	4.1	4.1	3.5	2.5	1.5	0.6	0.1		0.1			
40	0.1	0.1	0.7	2.6	5.1	8.4	12.5	15.4	15.4	12.5	8.4	5.1	2.6	0.7	0.1	0.1			
30		0.3	2.0	5.3	11.0	23.8	54.0	82.5	82.5	54.0	23.8	11.0	5.3	2.0	0.3				
20	0.2	0.7	3.4	8.5	23.0	85.1	219.2	306.3	306.3	219.2	85.1	23.0	8.5	3.4	0.7	0.2			
10		1.2	4.8	13.2	54.7	236.4	493.1	610.5	610.5	493.1	236.4	54.7	13.2	4.8	1.2				
0	0.4	1.6	5.9	17.0	87.1	348.1	635.7	689.2	689.2	635.7	348.1	87.1	17.0	5.9	1.6	0.4			
-10		1.9	6.5	18.2	91.1	359.5	658.6	731.5	731.5	658.6	359.5	91.1	18.2	6.5	1.9				
-20	0.5	2.0	6.6	16.6	65.2	267.6	555.6	709.4	709.4	555.6	267.6	65.2	16.6	6.6	2.0	0.5			
-30		1.9	6.3	13.8	36.4	129.8	309.6	435.7	435.7	309.6	129.8	36.4	13.8	6.3	1.9				
-40	0.5	1.7	5.6	11.4	21.7	46.2	96.7	143.5	143.5	96.7	46.2	21.7	11.4	5.6	1.7	0.5			
-50		1.4	4.7	9.5	15.9	23.5	33.0	39.1	39.1	33.0	23.5	15.9	9.5	4.7	1.4				
-60	0.3	1.1	3.5	7.5	12.5	17.3	21.6	23.6	23.6	21.6	17.3	12.5	7.5	3.5	1.1	0.3			
-70		0.7	2.3	5.1	8.8	12.4	15.7	17.5	17.5	15.7	12.4	8.8	5.1	2.3	0.7				
-80	0.1	2.0	9.2	19.6	25.2	19.6	9.2	2.0	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

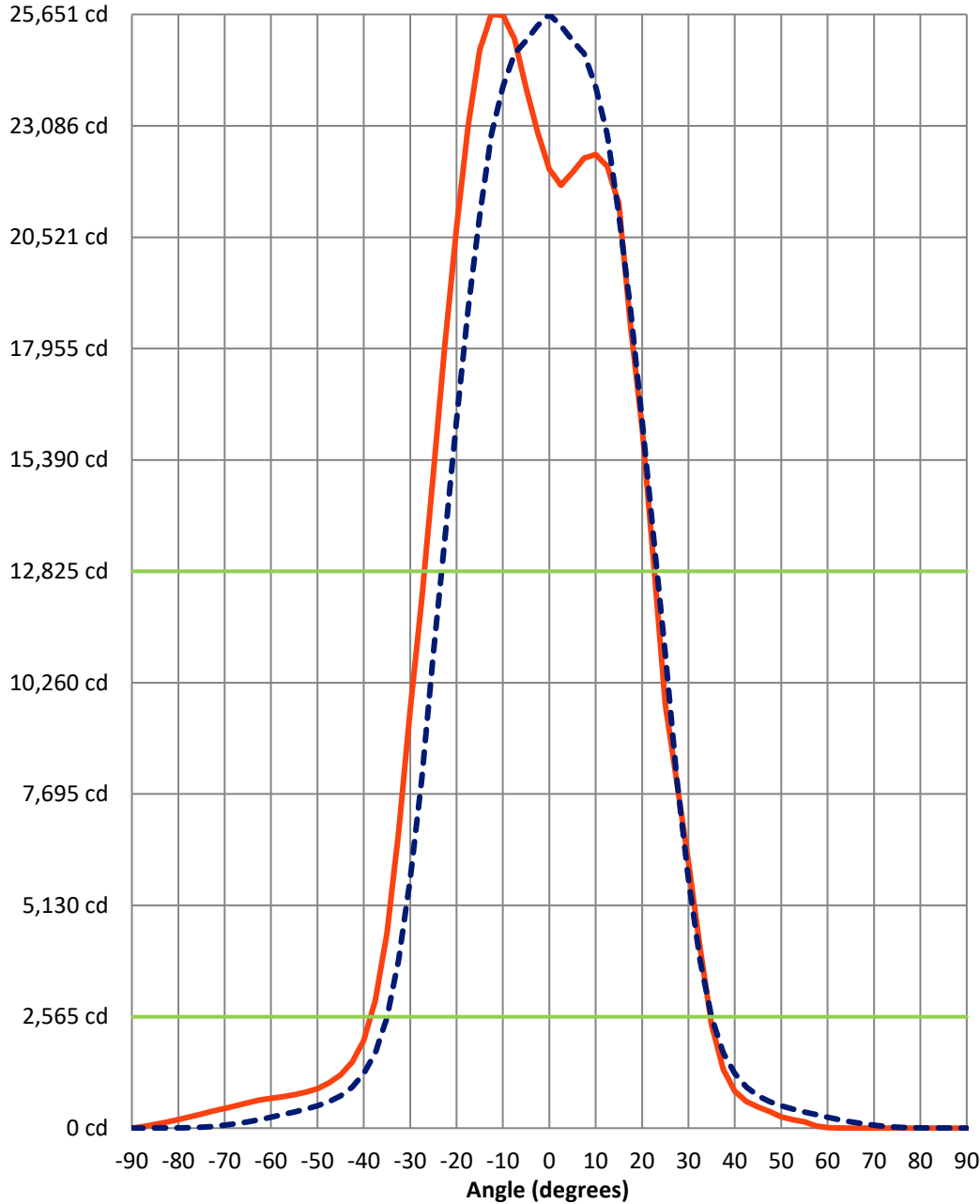
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 12263.3
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 16511.5
 Efficiency: 90.2%

Spill:
 Lumens: 1797.5
 Efficiency: 9.8%

— 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	0	0	0	0	0	0
72.5°	0	0	0	0	0	1	0	0	0	0	0
70°	0	0	0	0	1	1	0	0	0	0	0
67.5°	0	0	0	0	1	1	0	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	1	1
62.5°	0	0	0	1	2	2	1	1	2	2	3
60°	0	0	0	2	3	2	1	2	3	3	4
57.5°	0	0	0	2	3	2	2	3	4	4	4
55°	0	0	1	3	3	2	2	4	4	4	4
52.5°	0	0	1	3	3	2	3	4	4	4	4
50°	0	0	1	4	3	3	4	4	4	4	5
47.5°	0	0	1	4	3	3	4	5	4	4	6
45°	0	0	2	4	3	3	5	5	4	5	7
42.5°	0	0	2	4	3	4	5	5	5	6	8
40°	0	0	2	4	4	4	5	6	5	8	10
37.5°	0	0	2	4	4	4	6	6	7	10	12
35°	0	0	3	4	4	4	7	6	8	12	16
32.5°	0	0	3	4	4	5	7	6	10	15	25
30°	0	0	3	4	4	5	7	7	12	18	34
27.5°	0	0	3	4	4	6	8	8	14	22	42
25°	0	0	3	4	4	6	8	10	17	28	49
22.5°	0	0	4	4	4	7	8	11	20	35	58
20°	0	0	4	4	4	7	8	12	24	40	67
17.5°	0	0	4	4	4	7	9	14	27	45	76
15°	0	0	4	4	4	8	9	16	31	50	85
12.5°	0	0	4	4	4	8	10	19	35	54	94
10°	0	0	4	4	4	8	10	22	38	61	102
7.5°	0	0	4	4	4	8	11	25	40	68	109
5°	0	0	4	4	4	8	11	28	43	75	114
2.5°	0	0	4	4	4	8	12	31	45	82	119
0°	0	0	4	4	4	8	13	34	46	88	122
-2.5°	0	0	4	4	5	9	15	35	52	92	128
-5°	0	0	4	4	5	9	17	36	58	96	134
-7.5°	0	0	4	4	5	10	19	37	63	99	139
-10°	0	0	4	4	6	10	21	37	67	101	142
-12.5°	0	0	4	4	6	10	22	38	70	103	145
-15°	0	1	4	4	6	10	23	38	71	104	147
-17.5°	0	1	4	4	6	11	24	40	70	105	146
-20°	0	1	4	4	6	11	24	41	69	104	145

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REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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	4	4	6	11	24	42	68	103	141
-25°	0	1	4	4	6	12	24	43	67	100	136
-27.5°	0	1	4	4	6	12	24	43	65	98	133
-30°	0	1	4	4	6	13	23	42	64	95	129
-32.5°	0	1	4	4	7	13	23	41	63	92	123
-35°	0	1	4	4	7	14	23	40	62	89	117
-37.5°	0	1	4	4	7	14	23	39	59	86	116
-40°	0	1	3	4	7	14	23	37	55	83	114
-42.5°	0	1	3	4	7	14	23	35	53	78	110
-45°	0	1	3	4	7	14	22	34	50	74	105
-47.5°	0	1	3	5	8	14	22	33	48	68	98
-50°	0	1	3	5	8	13	21	32	46	65	91
-52.5°	0	1	4	5	8	13	20	30	44	62	83
-55°	0	1	4	5	8	12	20	28	41	58	78
-57.5°	0	1	4	5	8	12	19	27	39	54	72
-60°	0	1	4	5	7	12	18	25	36	50	66
-62.5°	0	1	3	5	7	11	16	24	34	46	61
-65°	0	1	3	5	7	10	15	22	31	42	55
-67.5°	0	1	3	5	7	9	14	20	27	37	49
-70°	0	1	3	5	7	9	12	17	24	32	42
-72.5°	0	1	2	5	6	9	11	15	20	27	35
-75°	0	1	2	4	6	8	10	13	17	22	29
-77.5°	0	0	2	3	5	7	9	12	15	18	22
-80°	0	0	1	3	4	6	8	10	13	15	18
-82.5°	0	0	1	2	3	5	6	8	11	13	15
-85°	0	0	1	1	2	3	4	6	7	9	11
-87.5°	0	0	0	1	1	2	2	3	4	4	5
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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	0	0	0	0	0	0	0	0	0
67.5°	0	1	1	1	0	0	0	0	0	0	0
65°	2	3	2	1	0	1	1	1	0	0	0
62.5°	4	3	2	2	2	3	2	1	0	1	1
60°	4	4	3	3	4	4	3	3	3	4	10
57.5°	4	4	4	5	5	4	5	6	15	25	28
55°	4	4	5	6	6	7	11	23	35	43	47
52.5°	5	5	6	8	10	16	29	43	54	63	74
50°	5	7	9	12	19	33	49	64	79	92	108
47.5°	7	9	13	18	34	53	72	91	109	127	150
45°	9	14	18	33	52	75	99	121	139	161	181
42.5°	11	21	31	46	74	102	129	147	166	190	217
40°	17	29	44	68	97	131	155	174	195	228	261
37.5°	26	40	59	89	125	157	180	204	234	273	312
35°	35	52	78	112	152	182	208	237	279	323	370
32.5°	45	62	97	136	173	205	234	278	322	371	435
30°	54	78	116	159	193	227	268	316	360	419	495
27.5°	64	94	136	177	213	248	301	348	398	466	557
25°	75	112	153	194	231	275	334	384	435	522	643
22.5°	88	128	171	209	248	303	367	429	496	582	732
20°	102	143	187	228	265	331	402	478	569	689	886
17.5°	115	157	202	247	293	361	440	529	643	793	1082
15°	126	170	217	265	319	391	478	588	725	911	1271
12.5°	137	181	232	284	343	418	512	631	793	1061	1513
10°	147	190	245	301	363	442	541	667	849	1168	1694
7.5°	155	201	258	318	381	463	566	697	898	1253	1835
5°	161	213	269	331	395	481	586	720	939	1314	1944
2.5°	167	225	279	341	405	494	602	741	978	1365	2036
0°	172	235	286	349	412	505	614	757	1009	1400	2107
-2.5°	178	241	296	356	424	512	620	768	1019	1405	2093
-5°	183	245	304	360	433	516	621	773	1018	1394	2049
-7.5°	187	247	310	365	438	518	622	770	1007	1371	1980
-10°	190	249	312	369	440	518	619	761	984	1326	1874
-12.5°	195	252	313	372	439	515	610	744	946	1258	1739
-15°	197	254	312	371	437	510	597	720	896	1168	1571
-17.5°	198	254	311	368	433	501	580	691	849	1088	1450
-20°	198	253	309	362	428	493	568	669	810	1012	1304

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CATALOG NUMBER: GFLD-SA4B-740-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°	196	251	307	357	420	484	554	643	761	927	1163
-25°	192	248	303	353	411	473	536	614	717	864	1060
-27.5°	185	243	296	348	401	461	520	591	681	794	951
-30°	176	236	289	340	392	449	505	565	644	742	868
-32.5°	167	228	279	330	382	436	489	544	612	694	792
-35°	161	218	270	318	369	421	472	524	580	652	737
-37.5°	157	208	261	306	354	405	454	503	555	612	688
-40°	152	197	249	295	339	388	435	482	530	587	645
-42.5°	145	189	238	284	325	370	416	461	509	561	616
-45°	139	181	226	269	311	353	397	439	486	536	587
-47.5°	131	170	214	252	293	336	378	420	461	507	556
-50°	122	159	199	235	272	314	356	398	439	478	521
-52.5°	112	145	183	219	253	288	331	374	414	453	491
-55°	101	132	166	202	235	266	304	347	387	425	464
-57.5°	93	119	150	184	217	249	283	320	359	396	434
-60°	85	107	133	164	197	229	262	296	332	368	402
-62.5°	78	96	117	143	174	206	237	269	303	333	364
-65°	70	85	103	125	149	178	208	239	269	296	322
-67.5°	62	75	90	106	127	151	175	203	231	258	283
-70°	53	65	77	91	107	126	149	171	194	217	241
-72.5°	44	55	65	77	91	107	124	142	162	182	203
-75°	36	44	54	63	75	88	103	118	134	150	167
-77.5°	29	36	43	51	59	70	81	94	106	119	132
-80°	22	27	33	39	46	53	61	70	79	90	100
-82.5°	18	21	24	29	33	38	43	49	57	64	72
-85°	13	15	17	19	22	25	28	31	36	41	46
-87.5°	6	7	8	10	11	12	13	15	17	19	22
-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°	1	1	1	2	1	1	2	3	3	3	3
60°	11	8	11	14	13	10	15	17	16	13	13
57.5°	29	32	36	43	47	50	54	58	61	63	65
55°	54	65	76	81	90	104	116	117	120	123	129
52.5°	87	99	105	115	133	144	150	159	170	180	189
50°	126	136	149	165	182	193	197	214	235	252	262
47.5°	165	179	202	231	245	258	275	298	321	346	365
45°	202	227	257	282	301	323	347	374	411	445	471
42.5°	243	272	302	331	353	389	430	462	515	561	590
40°	292	321	363	399	443	489	560	626	692	768	824
37.5°	350	395	454	512	578	645	772	902	1008	1157	1240
35°	420	489	574	660	765	928	1113	1364	1625	1842	2051
32.5°	502	589	706	861	1037	1298	1577	2039	2489	2939	3380
30°	581	708	887	1100	1390	1803	2328	3042	3815	4492	5105
27.5°	687	868	1100	1417	1911	2517	3486	4477	5462	6341	6973
25°	816	1058	1386	1912	2625	3629	4928	6143	7299	8161	8887
22.5°	1002	1364	1830	2499	3793	5190	6744	8274	9572	10658	11374
20°	1231	1721	2501	3714	5236	6983	8983	10592	12191	13413	14504
17.5°	1556	2336	3437	4978	6797	9127	11186	12980	15010	16259	17373
15°	1849	2851	4421	6386	8517	10987	13416	15613	17572	18945	20190
12.5°	2218	3399	5203	7515	9846	12595	15120	17472	19392	20804	21675
10°	2549	3960	5984	8402	11012	13884	16501	18949	20808	21900	22541
7.5°	2817	4426	6617	9162	11916	14808	17572	20002	21780	22694	23131
5°	3024	4772	7112	9784	12645	15604	18425	20803	22301	23057	23301
2.5°	3179	5012	7446	10194	13137	16192	19072	21416	22694	23239	23320
0°	3285	5181	7663	10451	13559	16402	19422	21802	23018	23455	23497
-2.5°	3260	5120	7653	10358	13511	16497	19478	21827	23128	23715	23811
-5°	3193	4976	7399	10093	13127	16117	18960	21441	23037	23925	24318
-7.5°	3066	4727	6966	9587	12504	15498	18397	20970	22807	24056	24825
-10°	2847	4363	6410	8946	11821	14673	17540	20211	22189	23692	24763
-12.5°	2550	3870	5733	8038	10928	13592	16305	18865	21024	22877	23985
-15°	2243	3356	5030	7139	9655	12278	14785	17296	19427	21161	22542
-17.5°	2024	2906	4215	6061	8270	10758	13204	15511	17434	19064	20513
-20°	1747	2402	3439	4991	6936	9111	11454	13507	15225	16753	18136

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	1527	2057	2806	3865	5612	7531	9447	11338	12952	14313	15494
-25°	1327	1699	2284	3145	4282	5938	7553	9149	10640	11905	12969
-27.5°	1170	1466	1856	2469	3331	4298	5713	7047	8329	9485	10488
-30°	1027	1249	1554	1937	2524	3242	4093	5090	6113	7025	7937
-32.5°	924	1082	1292	1576	1905	2419	2933	3605	4252	4917	5571
-35°	832	959	1102	1292	1517	1817	2156	2566	2912	3348	3750
-37.5°	769	858	967	1087	1249	1416	1645	1894	2109	2352	2556
-40°	716	787	860	941	1052	1165	1313	1453	1589	1737	1848
-42.5°	672	729	782	845	910	1001	1100	1187	1270	1357	1429
-45°	638	680	723	771	821	887	957	1022	1076	1125	1164
-47.5°	601	638	676	714	756	804	850	892	937	974	1002
-50°	564	601	636	668	705	743	779	812	844	872	889
-52.5°	529	567	601	631	662	693	723	753	781	806	817
-55°	502	537	571	598	624	650	677	706	732	756	763
-57.5°	472	508	541	566	590	613	638	664	689	712	719
-60°	438	476	505	528	552	578	601	625	648	668	676
-62.5°	397	431	458	481	503	524	549	574	598	618	630
-65°	349	378	404	427	448	469	493	516	537	555	567
-67.5°	306	329	351	371	392	413	435	457	477	492	502
-70°	264	286	306	325	343	362	380	398	415	429	439
-72.5°	223	242	259	276	293	309	325	340	355	367	376
-75°	184	200	215	230	244	257	269	281	292	302	311
-77.5°	145	158	171	183	195	206	215	224	233	241	249
-80°	111	121	130	139	148	156	163	170	177	184	190
-82.5°	80	86	92	98	104	110	115	120	125	130	134
-85°	51	54	58	61	64	68	71	74	77	80	83
-87.5°	24	26	27	29	30	32	34	35	37	38	39
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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°	4	4	4	4	4	4	4	3	3	3	3
60°	13	12	12	13	12	12	13	13	13	16	17
57.5°	63	59	55	51	55	59	63	65	63	61	58
55°	137	145	148	147	148	145	137	129	123	120	117
52.5°	195	199	198	194	198	199	195	189	180	170	159
50°	267	267	265	261	265	267	267	262	252	235	214
47.5°	375	381	383	383	383	381	375	365	346	321	298
45°	481	486	489	488	489	486	481	471	445	411	374
42.5°	605	614	617	614	617	614	605	590	561	515	462
40°	857	868	863	850	863	868	857	824	768	692	626
37.5°	1298	1340	1358	1359	1358	1340	1298	1240	1157	1008	902
35°	2239	2389	2458	2372	2458	2389	2239	2051	1842	1625	1364
32.5°	3740	4006	4155	4155	4155	4006	3740	3380	2939	2489	2039
30°	5569	5901	6088	6128	6088	5901	5569	5105	4492	3815	3042
27.5°	7465	7809	7988	7961	7988	7809	7465	6973	6341	5462	4477
25°	9368	9628	9778	9783	9778	9628	9368	8887	8161	7299	6143
22.5°	12179	12727	12952	13013	12952	12727	12179	11374	10658	9572	8274
20°	15243	15774	16117	16137	16117	15774	15243	14504	13413	12191	10592
17.5°	18163	18426	18475	18497	18475	18426	18163	17373	16259	15010	12980
15°	20915	21007	21250	21281	21250	21007	20915	20190	18945	17572	15613
12.5°	22222	22306	22265	22152	22265	22306	22222	21675	20804	19392	17472
10°	22934	22815	22638	22425	22638	22815	22934	22541	21900	20808	18949
7.5°	23096	22963	22651	22341	22651	22963	23096	23131	22694	21780	20002
5°	23172	22784	22389	22013	22389	22784	23172	23301	23057	22301	20803
2.5°	23127	22665	22123	21718	22123	22665	23127	23320	23239	22694	21416
0°	23274	22808	22240	22089	22240	22808	23274	23497	23455	23018	21802
-2.5°	23685	23307	23011	22930	23011	23307	23685	23811	23715	23128	21827
-5°	24424	24341	23837	23956	23837	24341	24424	24318	23925	23037	21441
-7.5°	25139	25020	24807	25083	24807	25020	25139	24825	24056	22807	20970
-10°	25328	25290	25389	25634	25389	25290	25328	24763	23692	22189	20211
-12.5°	24746	25051	25393	25651	25393	25051	24746	23985	22877	21024	18865
-15°	23449	24073	24584	24826	24584	24073	23449	22542	21161	19427	17296
-17.5°	21538	22303	22908	23081	22908	22303	21538	20513	19064	17434	15511
-20°	19185	19963	20514	20734	20514	19963	19185	18136	16753	15225	13507



REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	16537	17297	17796	18059	17796	17297	16537	15494	14313	12952	11338
-25°	13850	14517	14961	15078	14961	14517	13850	12969	11905	10640	9149
-27.5°	11280	11817	12144	12180	12144	11817	11280	10488	9485	8329	7047
-30°	8695	9193	9477	9627	9477	9193	8695	7937	7025	6113	5090
-32.5°	6107	6502	6742	6805	6742	6502	6107	5571	4917	4252	3605
-35°	4071	4318	4469	4500	4469	4318	4071	3750	3348	2912	2566
-37.5°	2722	2842	2916	2952	2916	2842	2722	2556	2352	2109	1894
-40°	1929	1985	2016	2023	2016	1985	1929	1848	1737	1589	1453
-42.5°	1475	1504	1519	1523	1519	1504	1475	1429	1357	1270	1187
-45°	1192	1212	1224	1228	1224	1212	1192	1164	1125	1076	1022
-47.5°	1020	1033	1040	1043	1040	1033	1020	1002	974	937	892
-50°	899	907	910	908	910	907	899	889	872	844	812
-52.5°	824	829	830	829	830	829	824	817	806	781	753
-55°	768	771	772	770	772	771	768	763	756	732	706
-57.5°	725	729	728	723	728	729	725	719	712	689	664
-60°	682	687	687	686	687	687	682	676	668	648	625
-62.5°	640	648	649	648	649	648	640	630	618	598	574
-65°	578	589	589	585	589	589	578	567	555	537	516
-67.5°	511	519	519	517	519	519	511	502	492	477	457
-70°	448	456	456	454	456	456	448	439	429	415	398
-72.5°	385	393	395	395	395	393	385	376	367	355	340
-75°	319	326	326	324	326	326	319	311	302	292	281
-77.5°	257	264	263	261	263	264	257	249	241	233	224
-80°	196	201	200	198	200	201	196	190	184	177	170
-82.5°	138	142	141	139	141	142	138	134	130	125	120
-85°	85	88	88	88	88	88	85	83	80	77	74
-87.5°	41	42	40	38	40	42	41	39	38	37	35
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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	1
62.5°	2	1	1	2	1	1	1	1	1	0	1
60°	15	10	13	14	11	8	11	10	4	3	3
57.5°	54	50	47	43	36	32	29	28	25	15	6
55°	116	104	90	81	76	65	54	47	43	35	23
52.5°	150	144	133	115	105	99	87	74	63	54	43
50°	197	193	182	165	149	136	126	108	92	79	64
47.5°	275	258	245	231	202	179	165	150	127	109	91
45°	347	323	301	282	257	227	202	181	161	139	121
42.5°	430	389	353	331	302	272	243	217	190	166	147
40°	560	489	443	399	363	321	292	261	228	195	174
37.5°	772	645	578	512	454	395	350	312	273	234	204
35°	1113	928	765	660	574	489	420	370	323	279	237
32.5°	1577	1298	1037	861	706	589	502	435	371	322	278
30°	2328	1803	1390	1100	887	708	581	495	419	360	316
27.5°	3486	2517	1911	1417	1100	868	687	557	466	398	348
25°	4928	3629	2625	1912	1386	1058	816	643	522	435	384
22.5°	6744	5190	3793	2499	1830	1364	1002	732	582	496	429
20°	8983	6983	5236	3714	2501	1721	1231	886	689	569	478
17.5°	11186	9127	6797	4978	3437	2336	1556	1082	793	643	529
15°	13416	10987	8517	6386	4421	2851	1849	1271	911	725	588
12.5°	15120	12595	9846	7515	5203	3399	2218	1513	1061	793	631
10°	16501	13884	11012	8402	5984	3960	2549	1694	1168	849	667
7.5°	17572	14808	11916	9162	6617	4426	2817	1835	1253	898	697
5°	18425	15604	12645	9784	7112	4772	3024	1944	1314	939	720
2.5°	19072	16192	13137	10194	7446	5012	3179	2036	1365	978	741
0°	19422	16402	13559	10451	7663	5181	3285	2107	1400	1009	757
-2.5°	19478	16497	13511	10358	7653	5120	3260	2093	1405	1019	768
-5°	18960	16117	13127	10093	7399	4976	3193	2049	1394	1018	773
-7.5°	18397	15498	12504	9587	6966	4727	3066	1980	1371	1007	770
-10°	17540	14673	11821	8946	6410	4363	2847	1874	1326	984	761
-12.5°	16305	13592	10928	8038	5733	3870	2550	1739	1258	946	744
-15°	14785	12278	9655	7139	5030	3356	2243	1571	1168	896	720
-17.5°	13204	10758	8270	6061	4215	2906	2024	1450	1088	849	691
-20°	11454	9111	6936	4991	3439	2402	1747	1304	1012	810	669

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REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	9447	7531	5612	3865	2806	2057	1527	1163	927	761	643
-25°	7553	5938	4282	3145	2284	1699	1327	1060	864	717	614
-27.5°	5713	4298	3331	2469	1856	1466	1170	951	794	681	591
-30°	4093	3242	2524	1937	1554	1249	1027	868	742	644	565
-32.5°	2933	2419	1905	1576	1292	1082	924	792	694	612	544
-35°	2156	1817	1517	1292	1102	959	832	737	652	580	524
-37.5°	1645	1416	1249	1087	967	858	769	688	612	555	503
-40°	1313	1165	1052	941	860	787	716	645	587	530	482
-42.5°	1100	1001	910	845	782	729	672	616	561	509	461
-45°	957	887	821	771	723	680	638	587	536	486	439
-47.5°	850	804	756	714	676	638	601	556	507	461	420
-50°	779	743	705	668	636	601	564	521	478	439	398
-52.5°	723	693	662	631	601	567	529	491	453	414	374
-55°	677	650	624	598	571	537	502	464	425	387	347
-57.5°	638	613	590	566	541	508	472	434	396	359	320
-60°	601	578	552	528	505	476	438	402	368	332	296
-62.5°	549	524	503	481	458	431	397	364	333	303	269
-65°	493	469	448	427	404	378	349	322	296	269	239
-67.5°	435	413	392	371	351	329	306	283	258	231	203
-70°	380	362	343	325	306	286	264	241	217	194	171
-72.5°	325	309	293	276	259	242	223	203	182	162	142
-75°	269	257	244	230	215	200	184	167	150	134	118
-77.5°	215	206	195	183	171	158	145	132	119	106	94
-80°	163	156	148	139	130	121	111	100	90	79	70
-82.5°	115	110	104	98	92	86	80	72	64	57	49
-85°	71	68	64	61	58	54	51	46	41	36	31
-87.5°	34	32	30	29	27	26	24	22	19	17	15
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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	0	0	0	0	0	0	0	0
67.5°	0	0	0	1	1	1	0	1	1	0	0
65°	1	1	0	1	2	3	2	1	1	1	0
62.5°	2	3	2	2	2	3	4	3	2	2	1
60°	3	4	4	3	3	4	4	4	3	3	2
57.5°	5	4	5	5	4	4	4	4	4	4	3
55°	11	7	6	6	5	4	4	4	4	4	4
52.5°	29	16	10	8	6	5	5	4	4	4	4
50°	49	33	19	12	9	7	5	5	4	4	4
47.5°	72	53	34	18	13	9	7	6	4	4	5
45°	99	75	52	33	18	14	9	7	5	4	5
42.5°	129	102	74	46	31	21	11	8	6	5	5
40°	155	131	97	68	44	29	17	10	8	5	6
37.5°	180	157	125	89	59	40	26	12	10	7	6
35°	208	182	152	112	78	52	35	16	12	8	6
32.5°	234	205	173	136	97	62	45	25	15	10	6
30°	268	227	193	159	116	78	54	34	18	12	7
27.5°	301	248	213	177	136	94	64	42	22	14	8
25°	334	275	231	194	153	112	75	49	28	17	10
22.5°	367	303	248	209	171	128	88	58	35	20	11
20°	402	331	265	228	187	143	102	67	40	24	12
17.5°	440	361	293	247	202	157	115	76	45	27	14
15°	478	391	319	265	217	170	126	85	50	31	16
12.5°	512	418	343	284	232	181	137	94	54	35	19
10°	541	442	363	301	245	190	147	102	61	38	22
7.5°	566	463	381	318	258	201	155	109	68	40	25
5°	586	481	395	331	269	213	161	114	75	43	28
2.5°	602	494	405	341	279	225	167	119	82	45	31
0°	614	505	412	349	286	235	172	122	88	46	34
-2.5°	620	512	424	356	296	241	178	128	92	52	35
-5°	621	516	433	360	304	245	183	134	96	58	36
-7.5°	622	518	438	365	310	247	187	139	99	63	37
-10°	619	518	440	369	312	249	190	142	101	67	37
-12.5°	610	515	439	372	313	252	195	145	103	70	38
-15°	597	510	437	371	312	254	197	147	104	71	38
-17.5°	580	501	433	368	311	254	198	146	105	70	40
-20°	568	493	428	362	309	253	198	145	104	69	41

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REPORT NUMBER: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	554	484	420	357	307	251	196	141	103	68	42
-25°	536	473	411	353	303	248	192	136	100	67	43
-27.5°	520	461	401	348	296	243	185	133	98	65	43
-30°	505	449	392	340	289	236	176	129	95	64	42
-32.5°	489	436	382	330	279	228	167	123	92	63	41
-35°	472	421	369	318	270	218	161	117	89	62	40
-37.5°	454	405	354	306	261	208	157	116	86	59	39
-40°	435	388	339	295	249	197	152	114	83	55	37
-42.5°	416	370	325	284	238	189	145	110	78	53	35
-45°	397	353	311	269	226	181	139	105	74	50	34
-47.5°	378	336	293	252	214	170	131	98	68	48	33
-50°	356	314	272	235	199	159	122	91	65	46	32
-52.5°	331	288	253	219	183	145	112	83	62	44	30
-55°	304	266	235	202	166	132	101	78	58	41	28
-57.5°	283	249	217	184	150	119	93	72	54	39	27
-60°	262	229	197	164	133	107	85	66	50	36	25
-62.5°	237	206	174	143	117	96	78	61	46	34	24
-65°	208	178	149	125	103	85	70	55	42	31	22
-67.5°	175	151	127	106	90	75	62	49	37	27	20
-70°	149	126	107	91	77	65	53	42	32	24	17
-72.5°	124	107	91	77	65	55	44	35	27	20	15
-75°	103	88	75	63	54	44	36	29	22	17	13
-77.5°	81	70	59	51	43	36	29	22	18	15	12
-80°	61	53	46	39	33	27	22	18	15	13	10
-82.5°	43	38	33	29	24	21	18	15	13	11	8
-85°	28	25	22	19	17	15	13	11	9	7	6
-87.5°	13	12	11	10	8	7	6	5	4	4	3
-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: P627346 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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	0	0	0	0	0	0
72.5°	0	1	0	0	0	0	0
70°	0	1	1	0	0	0	0
67.5°	0	1	1	0	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	2	1	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	3	2	0	0	0
55°	2	2	3	3	1	0	0
52.5°	3	2	3	3	1	0	0
50°	4	3	3	4	1	0	0
47.5°	4	3	3	4	1	0	0
45°	5	3	3	4	2	0	0
42.5°	5	4	3	4	2	0	0
40°	5	4	4	4	2	0	0
37.5°	6	4	4	4	2	0	0
35°	7	4	4	4	3	0	0
32.5°	7	5	4	4	3	0	0
30°	7	5	4	4	3	0	0
27.5°	8	6	4	4	3	0	0
25°	8	6	4	4	3	0	0
22.5°	8	7	4	4	4	0	0
20°	8	7	4	4	4	0	0
17.5°	9	7	4	4	4	0	0
15°	9	8	4	4	4	0	0
12.5°	10	8	4	4	4	0	0
10°	10	8	4	4	4	0	0
7.5°	11	8	4	4	4	0	0
5°	11	8	4	4	4	0	0
2.5°	12	8	4	4	4	0	0
0°	13	8	4	4	4	0	0
-2.5°	15	9	5	4	4	0	0
-5°	17	9	5	4	4	0	0
-7.5°	19	10	5	4	4	0	0
-10°	21	10	6	4	4	0	0
-12.5°	22	10	6	4	4	0	0
-15°	23	10	6	4	4	1	0
-17.5°	24	11	6	4	4	1	0
-20°	24	11	6	4	4	1	0

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CATALOG NUMBER: GFLD-SA4B-740-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)