

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: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-722-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627424 (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-SA4D-722-U-MR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

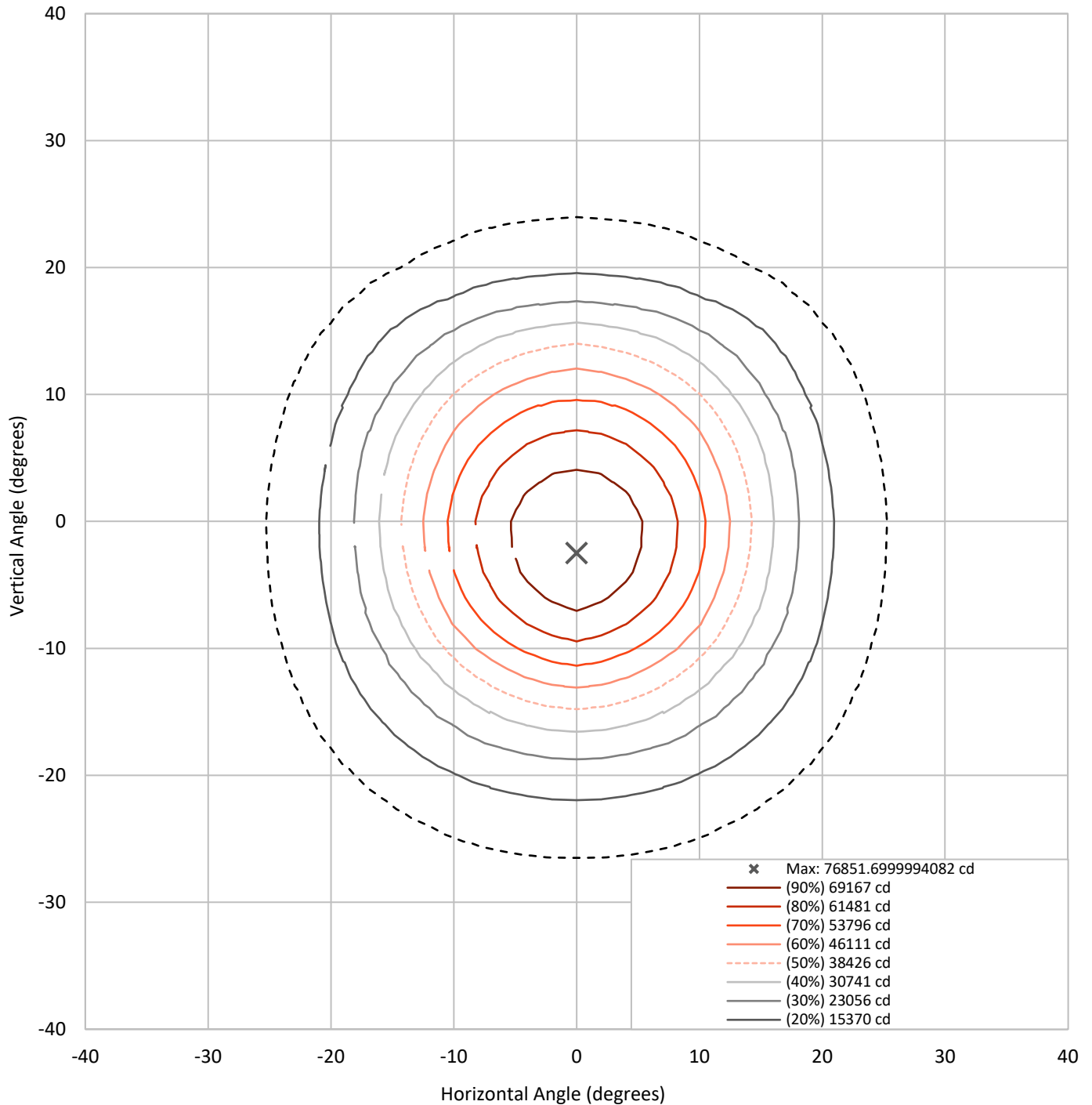
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	21796.8 lumens	Max Intensity:	76851.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	98.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	28.2°H x 28.7°V	Field Angle (10%):	50.2°H x 50.4°V
Beam Lumens:	10898.6 lumens	Field Lumens:	18727.5 lumens
Beam Efficiency:	50.0%	Field Efficiency:	85.9%
Input Watts (W):	221.4		
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-SA4D-722-U-MR-VSR-XX

### Iso-Candela Plot





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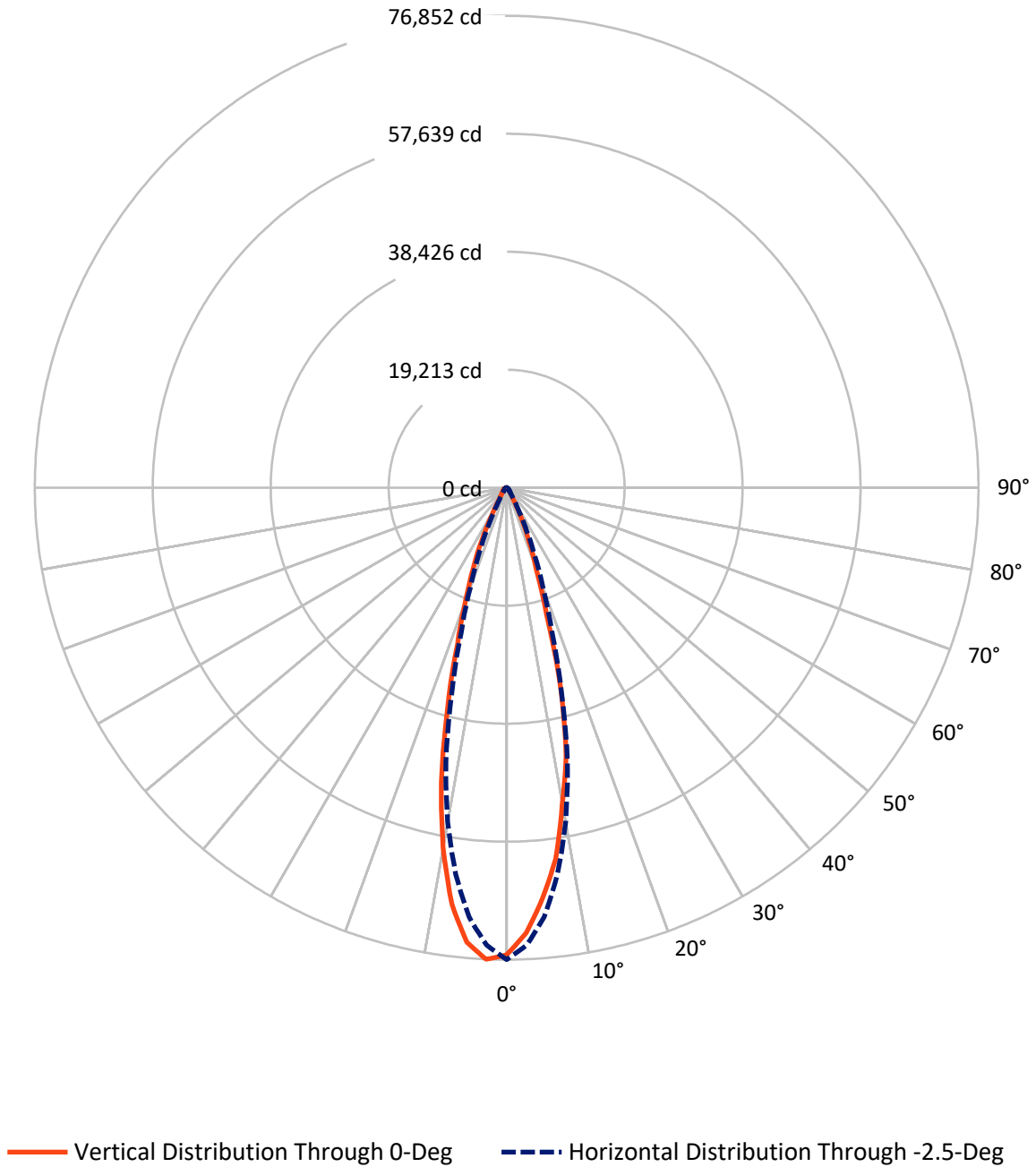
CATALOG NUMBER: GFLD-SA4D-722-U-MR-VSR-XX

### Lumen Table

90																			
80	0.0	0.0		0.0		0.0		0.0		0.0		0.0		0.0					
70	0.0	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				
60		0.0	0.1	0.6	1.5	2.5	3.4	4.1	4.1	3.4	2.5	1.5	0.6	0.1	0.0				
50	0.1	0.1	0.7	2.4	4.6	7.1	9.9	11.6	11.6	9.9	7.1	4.6	2.4	0.7	0.1				
40		0.3	1.8	4.7	8.6	14.1	23.5	31.4	31.4	23.5	14.1	8.6	4.7	1.8	0.3				
30	0.2	0.7	2.9	7.1	13.5	32.9	103.4	189.7	189.7	103.4	32.9	13.5	7.1	2.9	0.7				
20		1.1	4.1	9.7	23.2	113.5	461.6	903.8	903.8	461.6	113.5	23.2	9.7	4.1	1.1				
10	0.3	1.4	4.9	11.5	33.3	216.4	932.0	1826.9	1826.9	932.0	216.4	33.3	11.5	4.9	1.4				
0		1.6	5.4	12.2	35.5	226.7	956.4	1937.1	1937.1	956.4	226.7	35.5	12.2	5.4	1.6				
-10	0.4	1.7	5.5	11.9	29.2	139.2	528.9	1025.1	1025.1	528.9	139.2	29.2	11.9	5.5	1.7				
-20		1.6	5.2	10.9	21.4	54.1	163.8	292.2	292.2	163.8	54.1	21.4	10.9	5.2	1.6				
-30	0.4	1.4	4.6	9.4	16.3	26.7	43.5	58.3	58.3	43.5	26.7	16.3	9.4	4.6	1.4				
-40		1.2	3.8	7.8	12.8	18.4	24.2	27.1	27.1	24.2	18.4	12.8	7.8	3.8	1.2				
-50	0.2	0.9	2.9	6.1	10.0	14.0	17.4	19.0	19.0	17.4	14.0	10.0	6.1	2.9	0.9				
-60		0.6	1.8	4.0	6.7	9.5	11.9	13.2	13.2	11.9	9.5	6.7	4.0	1.8	0.6				
-70																			
-80	0.1	1.4		6.4		13.9		17.6		13.9		6.4		1.4	0.1				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

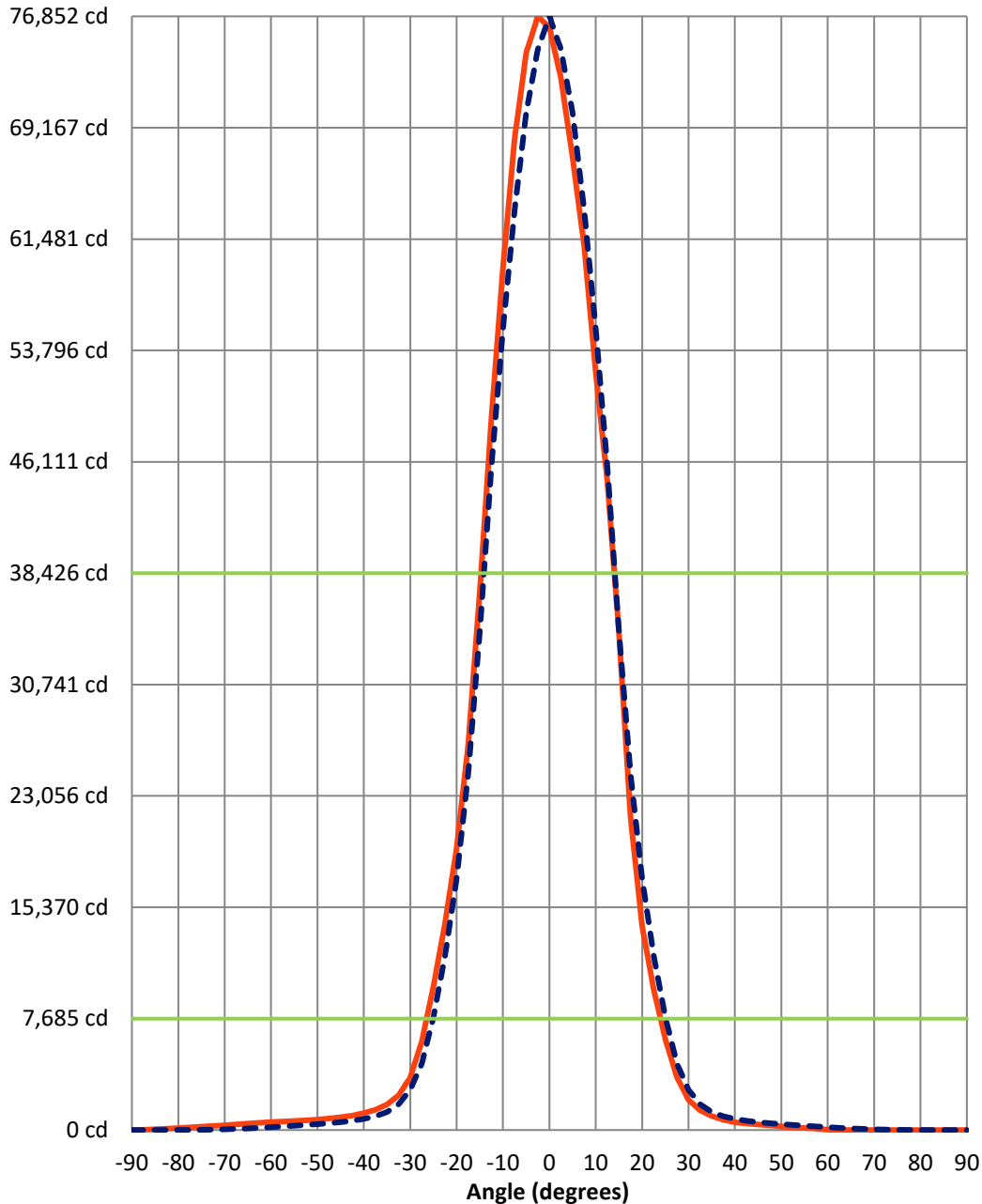
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.2°  
 V Angle: 28.7°  
 Lumens: 10898.6  
 Efficiency: 50.0%

**Field:**  
 H Angle: 50.2°  
 V Angle: 50.4°  
 Lumens: 18727.5  
 Efficiency: 85.9%

**Spill:**  
 Lumens: 3069.3  
 Efficiency: 14.1%

— Vertical Distribution through 0-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°	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	1
60°	0	0	0	0	0	0	0	0	0	1	1
57.5°	0	0	0	0	0	0	0	0	1	2	2
55°	0	0	0	0	0	0	1	0	2	3	2
52.5°	0	0	0	0	0	0	1	1	3	3	2
50°	0	0	0	0	0	1	1	3	5	4	3
47.5°	0	0	0	0	0	1	2	4	5	4	4
45°	0	0	0	0	0	2	3	4	5	4	5
42.5°	0	0	0	0	0	2	3	5	5	5	8
40°	0	0	0	0	0	3	4	5	5	5	12
37.5°	0	0	0	0	1	3	4	5	6	7	16
35°	0	0	0	0	1	4	5	5	7	12	21
32.5°	0	0	0	0	2	4	5	5	9	16	26
30°	0	0	0	0	2	4	5	5	11	20	32
27.5°	0	0	0	0	3	5	5	7	14	25	39
25°	0	0	0	0	3	5	5	8	17	29	45
22.5°	0	0	0	0	3	5	5	10	20	35	54
20°	0	0	0	0	4	5	5	12	24	40	62
17.5°	0	0	0	0	4	5	5	14	27	45	70
15°	0	0	0	0	4	5	6	16	29	51	76
12.5°	0	0	0	0	4	5	6	19	32	56	83
10°	0	0	0	0	5	5	7	21	35	61	88
7.5°	0	0	0	0	5	5	8	23	37	66	94
5°	0	0	0	0	5	5	8	25	40	70	99
2.5°	0	0	0	0	5	5	9	27	42	74	103
0°	0	0	0	0	5	5	10	29	44	77	106
-2.5°	0	0	0	0	5	5	12	30	48	80	110
-5°	0	0	0	1	5	6	13	30	52	82	112
-7.5°	0	0	0	1	5	6	15	30	55	84	114
-10°	0	0	0	1	5	7	16	31	57	86	115
-12.5°	0	0	0	1	5	7	18	31	59	87	118
-15°	0	0	0	2	4	7	19	31	59	88	120
-17.5°	0	0	0	2	4	8	19	32	59	89	121
-20°	0	0	0	2	4	8	20	34	58	88	121

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CATALOG NUMBER: GFLD-SA4D-722-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	2	4	8	20	35	57	87	119
-25°	0	0	0	2	5	8	20	36	55	85	116
-27.5°	0	0	0	2	5	9	20	36	53	83	114
-30°	0	0	0	2	5	9	20	36	53	80	110
-32.5°	0	0	0	2	5	10	20	36	53	77	106
-35°	0	0	0	2	6	10	20	35	52	74	100
-37.5°	0	0	0	2	6	10	20	34	51	71	98
-40°	0	0	0	1	6	10	20	33	49	69	95
-42.5°	0	0	0	1	6	11	19	32	47	67	92
-45°	0	0	0	1	6	11	18	31	46	64	87
-47.5°	0	0	0	1	6	10	17	29	44	60	83
-50°	0	0	0	1	5	10	17	27	41	57	77
-52.5°	0	0	0	1	5	10	16	25	38	53	70
-55°	0	0	0	1	4	9	15	23	35	49	65
-57.5°	0	0	0	1	4	9	14	21	32	45	60
-60°	0	0	0	1	4	8	12	19	28	40	53
-62.5°	0	0	0	1	3	7	12	17	26	35	48
-65°	0	0	0	1	3	7	11	15	23	32	42
-67.5°	0	0	0	1	3	6	10	14	20	28	36
-70°	0	0	0	1	3	6	9	13	17	24	32
-72.5°	0	0	0	1	3	5	8	11	15	20	26
-75°	0	0	0	1	2	4	7	9	12	16	21
-77.5°	0	0	0	1	2	4	6	8	10	12	16
-80°	0	0	0	1	2	3	5	6	7	9	11
-82.5°	0	0	0	0	1	2	4	4	5	6	7
-85°	0	0	0	0	1	2	2	3	3	4	4
-87.5°	0	0	0	0	0	1	1	1	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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	2
60°	0	0	1	1	1	2	3	4	4	5	10
57.5°	1	1	2	3	3	5	8	9	15	22	27
55°	1	3	4	4	7	11	16	24	32	42	51
52.5°	3	5	4	8	14	21	31	42	55	65	73
50°	4	6	6	15	24	35	50	66	77	86	100
47.5°	6	7	15	25	37	54	73	87	98	115	135
45°	9	14	24	37	53	76	93	106	125	145	166
42.5°	13	22	35	48	74	96	113	131	151	174	197
40°	19	29	46	68	95	115	136	157	178	205	229
37.5°	25	40	59	87	113	137	161	184	210	238	266
35°	31	51	75	103	131	160	185	213	244	276	307
32.5°	39	63	89	120	150	181	210	245	278	312	350
30°	49	75	103	135	167	200	237	276	309	347	388
27.5°	60	86	117	150	183	219	264	302	338	379	425
25°	71	98	130	164	200	241	289	328	366	412	465
22.5°	80	109	145	176	215	263	312	357	400	445	507
20°	90	122	159	193	232	285	336	386	436	493	562
17.5°	99	134	172	210	253	306	360	415	471	541	627
15°	108	145	185	227	273	327	383	444	510	591	690
12.5°	116	154	198	242	290	346	404	468	543	640	764
10°	123	163	210	256	305	363	423	488	570	675	819
7.5°	130	172	222	268	318	377	438	506	592	703	863
5°	136	180	230	277	329	389	451	521	610	726	899
2.5°	141	187	237	284	337	396	459	531	622	747	926
0°	145	194	242	290	344	402	464	537	629	764	944
-2.5°	150	200	247	296	350	407	470	543	637	770	948
-5°	153	205	252	301	355	410	473	545	641	770	950
-7.5°	156	209	255	304	358	413	475	548	644	769	949
-10°	158	210	257	307	361	415	475	547	640	761	934
-12.5°	161	211	259	308	362	416	474	542	631	746	904
-15°	162	211	259	308	361	416	470	534	617	727	864
-17.5°	163	211	258	305	359	413	464	526	604	707	837
-20°	163	210	255	301	354	408	460	519	591	683	800

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CATALOG NUMBER: GFLD-SA4D-722-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°	162	208	252	296	348	401	453	509	576	653	758
-25°	159	205	248	292	341	391	443	495	559	632	722
-27.5°	155	202	244	287	332	380	431	483	540	608	685
-30°	149	196	238	280	325	370	417	468	520	583	653
-32.5°	142	189	230	272	316	360	402	451	502	556	619
-35°	136	180	222	262	306	348	388	432	481	532	585
-37.5°	132	171	213	251	293	335	373	413	457	507	555
-40°	127	162	203	240	278	320	358	394	434	481	528
-42.5°	121	156	192	229	265	303	342	376	414	457	502
-45°	116	148	182	218	253	287	323	360	396	435	476
-47.5°	110	140	173	205	240	274	305	340	378	414	451
-50°	102	132	162	191	224	258	291	321	355	392	427
-52.5°	94	122	150	177	207	240	273	304	334	365	399
-55°	85	111	137	163	190	220	251	283	314	342	372
-57.5°	77	98	123	149	173	199	229	259	289	318	347
-60°	69	87	109	133	157	181	206	234	263	290	317
-62.5°	61	77	95	116	139	162	186	210	236	259	283
-65°	54	67	82	100	119	140	162	185	208	227	246
-67.5°	46	57	70	84	101	118	136	156	177	195	212
-70°	40	48	58	70	83	98	114	130	146	161	178
-72.5°	33	40	48	56	67	80	93	105	119	133	146
-75°	27	33	39	46	54	64	75	86	97	108	119
-77.5°	21	26	31	36	42	50	58	67	76	85	94
-80°	15	19	23	28	32	37	42	48	55	62	69
-82.5°	10	13	16	20	23	25	28	32	36	41	46
-85°	6	7	9	12	13	14	16	18	21	24	27
-87.5°	3	4	5	6	6	6	7	7	8	9	11
-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	1	1	1	0	0	0
62.5°	1	2	4	5	5	6	6	7	7	7	6
60°	12	12	18	22	21	17	24	27	26	22	22
57.5°	34	42	49	51	57	67	71	69	70	73	82
55°	59	66	71	80	91	100	107	112	118	124	131
52.5°	81	92	100	110	123	131	134	148	160	169	174
50°	115	127	139	153	165	177	187	200	216	233	243
47.5°	151	166	182	202	216	227	240	258	280	300	312
45°	185	202	222	241	257	273	292	314	336	356	371
42.5°	215	234	256	277	291	316	342	365	393	418	437
40°	249	268	300	322	341	367	405	439	472	503	522
37.5°	291	323	357	384	410	442	495	547	588	630	659
35°	341	379	422	451	490	549	615	687	760	817	869
32.5°	388	431	474	521	580	664	747	863	969	1079	1181
30°	431	479	531	592	687	804	939	1115	1307	1498	1716
27.5°	476	528	591	688	831	991	1241	1518	1915	2233	2747
25°	524	584	669	823	1022	1303	1739	2234	3054	3754	4543
22.5°	584	675	795	989	1321	1826	2504	3584	4842	6011	7125
20°	656	780	986	1294	1770	2548	3833	5471	7220	8930	10584
17.5°	752	949	1243	1682	2356	3992	5903	8244	11240	13491	15624
15°	840	1088	1534	2243	3513	5618	8290	11874	15908	19299	23135
12.5°	944	1244	1781	2701	4517	7298	10704	14979	19752	24900	30910
10°	1035	1404	2094	3360	5563	8800	12617	17634	23766	31050	38645
7.5°	1105	1537	2355	3855	6444	10032	14585	20688	28453	36967	45629
5°	1159	1640	2561	4243	7194	11033	16022	23103	31955	41727	50340
2.5°	1201	1712	2697	4481	7700	11716	17004	24387	34097	44835	53878
0°	1234	1756	2773	4650	7936	12039	17459	24906	35101	46357	55657
-2.5°	1245	1780	2776	4591	7793	12019	17353	24588	34409	45752	55280
-5°	1250	1768	2706	4470	7539	11588	16658	23380	32293	42934	52589
-7.5°	1240	1721	2564	4170	6969	10827	15688	21588	28894	38275	48254
-10°	1207	1638	2372	3764	6184	9640	14177	19162	24999	32657	40744
-12.5°	1146	1515	2107	3155	5260	8295	12313	16721	21269	26302	32954
-15°	1074	1388	1890	2786	4404	6883	10137	13859	17634	21488	25546
-17.5°	1019	1278	1668	2294	3381	5386	7988	10979	14042	17102	19835
-20°	950	1147	1452	1938	2728	3914	5871	8199	10487	12983	15077

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	887	1055	1283	1590	2121	2956	4072	5710	7449	9262	10981
-25°	829	956	1136	1383	1700	2197	2933	3790	5011	6125	7402
-27.5°	779	885	1008	1190	1431	1703	2155	2655	3295	3826	4679
-30°	731	816	918	1035	1211	1418	1661	1964	2277	2591	2999
-32.5°	687	758	837	932	1041	1196	1347	1542	1713	1902	2096
-35°	643	706	772	847	931	1033	1146	1275	1389	1502	1604
-37.5°	605	658	715	774	842	913	1002	1093	1169	1243	1306
-40°	573	617	665	714	768	825	895	961	1013	1061	1101
-42.5°	544	583	620	662	707	760	813	865	900	933	960
-45°	517	550	584	619	655	701	747	787	815	840	860
-47.5°	487	518	548	580	615	652	689	718	743	765	779
-50°	458	488	516	542	574	606	638	663	685	704	714
-52.5°	430	459	487	514	539	565	590	614	636	655	662
-55°	403	431	456	481	506	530	553	574	593	612	618
-57.5°	376	404	431	451	472	494	516	537	556	572	578
-60°	345	374	397	417	437	458	477	496	514	530	538
-62.5°	308	335	356	375	394	412	429	446	463	476	484
-65°	265	288	309	328	345	361	377	392	406	417	423
-67.5°	228	245	262	279	296	312	327	340	353	362	367
-70°	193	207	223	238	254	268	280	292	303	312	317
-72.5°	160	173	187	201	214	226	237	247	258	265	270
-75°	130	141	153	165	176	186	195	203	212	218	223
-77.5°	103	112	120	129	138	146	153	160	166	171	175
-80°	76	83	90	97	103	108	114	119	124	129	133
-82.5°	52	57	62	67	72	76	78	81	84	87	90
-85°	30	33	36	40	43	45	47	49	51	53	55
-87.5°	12	13	15	16	18	18	18	19	19	20	21
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-722-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°	6	5	5	5	5	5	6	6	7	7	7
60°	21	19	19	19	19	19	21	22	22	26	27
57.5°	90	97	100	102	100	97	90	82	73	70	69
55°	137	142	143	140	143	142	137	131	124	118	112
52.5°	177	178	177	174	177	178	177	174	169	160	148
50°	246	245	246	247	246	245	246	243	233	216	200
47.5°	317	320	321	319	321	320	317	312	300	280	258
45°	378	383	384	382	384	383	378	371	356	336	314
42.5°	444	447	448	450	448	447	444	437	418	393	365
40°	531	534	534	532	534	534	531	522	503	472	439
37.5°	679	689	694	707	694	689	679	659	630	588	547
35°	909	934	947	968	947	934	909	869	817	760	687
32.5°	1256	1306	1333	1360	1333	1306	1256	1181	1079	969	863
30°	1866	1966	2006	2081	2006	1966	1866	1716	1498	1307	1115
27.5°	3124	3361	3454	3649	3454	3361	3124	2747	2233	1915	1518
25°	5262	5772	6054	6276	6054	5772	5262	4543	3754	3054	2234
22.5°	8250	8998	9397	9692	9397	8998	8250	7125	6011	4842	3584
20°	12083	13070	13659	14086	13659	13070	12083	10584	8930	7220	5471
17.5°	18364	19915	20822	21601	20822	19915	18364	15624	13491	11240	8244
15°	27416	30532	32954	34303	32954	30532	27416	23135	19299	15908	11874
12.5°	36222	40786	43498	44745	43498	40786	36222	30910	24900	19752	14979
10°	44930	49234	51814	52270	51814	49234	44930	38645	31050	23766	17634
7.5°	51597	56330	59759	61004	59759	56330	51597	45629	36967	28453	20688
5°	57485	63028	66656	67116	66656	63028	57485	50340	41727	31955	23103
2.5°	61817	67842	71360	72569	71360	67842	61817	53878	44835	34097	24387
0°	63912	70401	74316	76077	74316	70401	63912	55657	46357	35101	24906
-2.5°	63472	70183	74552	76852	74552	70183	63472	55280	45752	34409	24588
-5°	61058	67789	71864	74306	71864	67789	61058	52589	42934	32293	23380
-7.5°	55493	61788	66125	68379	66125	61788	55493	48254	38275	28894	21588
-10°	48322	53649	57602	59523	57602	53649	48322	40744	32657	24999	19162
-12.5°	39003	44170	47737	49096	47737	44170	39003	32954	26302	21269	16721
-15°	29883	33827	36361	37163	36361	33827	29883	25546	21488	17634	13859
-17.5°	22662	24785	26211	26595	26211	24785	22662	19835	17102	14042	10979
-20°	16978	18294	19219	19438	19219	18294	16978	15077	12983	10487	8199

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REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	12371	13360	14107	14255	14107	13360	12371	10981	9262	7449	5710
-25°	8533	9360	9867	9905	9867	9360	8533	7402	6125	5011	3790
-27.5°	5350	5804	6039	6121	6039	5804	5350	4679	3826	3295	2655
-30°	3306	3515	3626	3629	3626	3515	3306	2999	2591	2277	1964
-32.5°	2244	2345	2400	2400	2400	2345	2244	2096	1902	1713	1542
-35°	1681	1733	1763	1766	1763	1733	1681	1604	1502	1389	1275
-37.5°	1352	1381	1396	1398	1396	1381	1352	1306	1243	1169	1093
-40°	1130	1150	1163	1171	1163	1150	1130	1101	1061	1013	961
-42.5°	978	991	996	992	996	991	978	960	933	900	865
-45°	871	879	883	886	883	879	871	860	840	815	787
-47.5°	786	790	792	794	792	790	786	779	765	743	718
-50°	719	722	723	721	723	722	719	714	704	685	663
-52.5°	665	666	667	668	667	666	665	662	655	636	614
-55°	621	623	624	624	624	623	621	618	612	593	574
-57.5°	584	588	588	586	588	588	584	578	572	556	537
-60°	544	549	551	552	551	549	544	538	530	514	496
-62.5°	490	495	498	498	498	495	490	484	476	463	446
-65°	429	433	439	445	439	433	429	423	417	406	392
-67.5°	372	375	381	387	381	375	372	367	362	353	340
-70°	323	327	329	329	329	327	323	317	312	303	292
-72.5°	275	279	280	281	280	279	275	270	265	258	247
-75°	227	231	232	232	232	231	227	223	218	212	203
-77.5°	179	183	184	184	184	183	179	175	171	166	160
-80°	136	140	138	136	138	140	136	133	129	124	119
-82.5°	93	96	94	92	94	96	93	90	87	84	81
-85°	56	58	56	53	56	58	56	55	53	51	49
-87.5°	23	24	22	19	22	24	23	21	20	19	19
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-722-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°	6	6	5	5	4	2	1	2	1	0	1
60°	24	17	21	22	18	12	12	10	5	4	4
57.5°	71	67	57	51	49	42	34	27	22	15	9
55°	107	100	91	80	71	66	59	51	42	32	24
52.5°	134	131	123	110	100	92	81	73	65	55	42
50°	187	177	165	153	139	127	115	100	86	77	66
47.5°	240	227	216	202	182	166	151	135	115	98	87
45°	292	273	257	241	222	202	185	166	145	125	106
42.5°	342	316	291	277	256	234	215	197	174	151	131
40°	405	367	341	322	300	268	249	229	205	178	157
37.5°	495	442	410	384	357	323	291	266	238	210	184
35°	615	549	490	451	422	379	341	307	276	244	213
32.5°	747	664	580	521	474	431	388	350	312	278	245
30°	939	804	687	592	531	479	431	388	347	309	276
27.5°	1241	991	831	688	591	528	476	425	379	338	302
25°	1739	1303	1022	823	669	584	524	465	412	366	328
22.5°	2504	1826	1321	989	795	675	584	507	445	400	357
20°	3833	2548	1770	1294	986	780	656	562	493	436	386
17.5°	5903	3992	2356	1682	1243	949	752	627	541	471	415
15°	8290	5618	3513	2243	1534	1088	840	690	591	510	444
12.5°	10704	7298	4517	2701	1781	1244	944	764	640	543	468
10°	12617	8800	5563	3360	2094	1404	1035	819	675	570	488
7.5°	14585	10032	6444	3855	2355	1537	1105	863	703	592	506
5°	16022	11033	7194	4243	2561	1640	1159	899	726	610	521
2.5°	17004	11716	7700	4481	2697	1712	1201	926	747	622	531
0°	17459	12039	7936	4650	2773	1756	1234	944	764	629	537
-2.5°	17353	12019	7793	4591	2776	1780	1245	948	770	637	543
-5°	16658	11588	7539	4470	2706	1768	1250	950	770	641	545
-7.5°	15688	10827	6969	4170	2564	1721	1240	949	769	644	548
-10°	14177	9640	6184	3764	2372	1638	1207	934	761	640	547
-12.5°	12313	8295	5260	3155	2107	1515	1146	904	746	631	542
-15°	10137	6883	4404	2786	1890	1388	1074	864	727	617	534
-17.5°	7988	5386	3381	2294	1668	1278	1019	837	707	604	526
-20°	5871	3914	2728	1938	1452	1147	950	800	683	591	519

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REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	4072	2956	2121	1590	1283	1055	887	758	653	576	509
-25°	2933	2197	1700	1383	1136	956	829	722	632	559	495
-27.5°	2155	1703	1431	1190	1008	885	779	685	608	540	483
-30°	1661	1418	1211	1035	918	816	731	653	583	520	468
-32.5°	1347	1196	1041	932	837	758	687	619	556	502	451
-35°	1146	1033	931	847	772	706	643	585	532	481	432
-37.5°	1002	913	842	774	715	658	605	555	507	457	413
-40°	895	825	768	714	665	617	573	528	481	434	394
-42.5°	813	760	707	662	620	583	544	502	457	414	376
-45°	747	701	655	619	584	550	517	476	435	396	360
-47.5°	689	652	615	580	548	518	487	451	414	378	340
-50°	638	606	574	542	516	488	458	427	392	355	321
-52.5°	590	565	539	514	487	459	430	399	365	334	304
-55°	553	530	506	481	456	431	403	372	342	314	283
-57.5°	516	494	472	451	431	404	376	347	318	289	259
-60°	477	458	437	417	397	374	345	317	290	263	234
-62.5°	429	412	394	375	356	335	308	283	259	236	210
-65°	377	361	345	328	309	288	265	246	227	208	185
-67.5°	327	312	296	279	262	245	228	212	195	177	156
-70°	280	268	254	238	223	207	193	178	161	146	130
-72.5°	237	226	214	201	187	173	160	146	133	119	105
-75°	195	186	176	165	153	141	130	119	108	97	86
-77.5°	153	146	138	129	120	112	103	94	85	76	67
-80°	114	108	103	97	90	83	76	69	62	55	48
-82.5°	78	76	72	67	62	57	52	46	41	36	32
-85°	47	45	43	40	36	33	30	27	24	21	18
-87.5°	18	18	18	16	15	13	12	11	9	8	7
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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	1	0	0	0
60°	3	2	1	1	1	0	0	1	1	0	0
57.5°	8	5	3	3	2	1	1	2	2	1	0
55°	16	11	7	4	4	3	1	2	3	2	0
52.5°	31	21	14	8	4	5	3	2	3	3	1
50°	50	35	24	15	6	6	4	3	4	5	3
47.5°	73	54	37	25	15	7	6	4	4	5	4
45°	93	76	53	37	24	14	9	5	4	5	4
42.5°	113	96	74	48	35	22	13	8	5	5	5
40°	136	115	95	68	46	29	19	12	5	5	5
37.5°	161	137	113	87	59	40	25	16	7	6	5
35°	185	160	131	103	75	51	31	21	12	7	5
32.5°	210	181	150	120	89	63	39	26	16	9	5
30°	237	200	167	135	103	75	49	32	20	11	5
27.5°	264	219	183	150	117	86	60	39	25	14	7
25°	289	241	200	164	130	98	71	45	29	17	8
22.5°	312	263	215	176	145	109	80	54	35	20	10
20°	336	285	232	193	159	122	90	62	40	24	12
17.5°	360	306	253	210	172	134	99	70	45	27	14
15°	383	327	273	227	185	145	108	76	51	29	16
12.5°	404	346	290	242	198	154	116	83	56	32	19
10°	423	363	305	256	210	163	123	88	61	35	21
7.5°	438	377	318	268	222	172	130	94	66	37	23
5°	451	389	329	277	230	180	136	99	70	40	25
2.5°	459	396	337	284	237	187	141	103	74	42	27
0°	464	402	344	290	242	194	145	106	77	44	29
-2.5°	470	407	350	296	247	200	150	110	80	48	30
-5°	473	410	355	301	252	205	153	112	82	52	30
-7.5°	475	413	358	304	255	209	156	114	84	55	30
-10°	475	415	361	307	257	210	158	115	86	57	31
-12.5°	474	416	362	308	259	211	161	118	87	59	31
-15°	470	416	361	308	259	211	162	120	88	59	31
-17.5°	464	413	359	305	258	211	163	121	89	59	32
-20°	460	408	354	301	255	210	163	121	88	58	34

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REPORT NUMBER: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	453	401	348	296	252	208	162	119	87	57	35
-25°	443	391	341	292	248	205	159	116	85	55	36
-27.5°	431	380	332	287	244	202	155	114	83	53	36
-30°	417	370	325	280	238	196	149	110	80	53	36
-32.5°	402	360	316	272	230	189	142	106	77	53	36
-35°	388	348	306	262	222	180	136	100	74	52	35
-37.5°	373	335	293	251	213	171	132	98	71	51	34
-40°	358	320	278	240	203	162	127	95	69	49	33
-42.5°	342	303	265	229	192	156	121	92	67	47	32
-45°	323	287	253	218	182	148	116	87	64	46	31
-47.5°	305	274	240	205	173	140	110	83	60	44	29
-50°	291	258	224	191	162	132	102	77	57	41	27
-52.5°	273	240	207	177	150	122	94	70	53	38	25
-55°	251	220	190	163	137	111	85	65	49	35	23
-57.5°	229	199	173	149	123	98	77	60	45	32	21
-60°	206	181	157	133	109	87	69	53	40	28	19
-62.5°	186	162	139	116	95	77	61	48	35	26	17
-65°	162	140	119	100	82	67	54	42	32	23	15
-67.5°	136	118	101	84	70	57	46	36	28	20	14
-70°	114	98	83	70	58	48	40	32	24	17	13
-72.5°	93	80	67	56	48	40	33	26	20	15	11
-75°	75	64	54	46	39	33	27	21	16	12	9
-77.5°	58	50	42	36	31	26	21	16	12	10	8
-80°	42	37	32	28	23	19	15	11	9	7	6
-82.5°	28	25	23	20	16	13	10	7	6	5	4
-85°	16	14	13	12	9	7	6	4	4	3	3
-87.5°	7	6	6	6	5	4	3	2	2	2	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: P627424 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	1	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	1	1	0	0	0	0	0
47.5°	2	1	0	0	0	0	0
45°	3	2	0	0	0	0	0
42.5°	3	2	0	0	0	0	0
40°	4	3	0	0	0	0	0
37.5°	4	3	1	0	0	0	0
35°	5	4	1	0	0	0	0
32.5°	5	4	2	0	0	0	0
30°	5	4	2	0	0	0	0
27.5°	5	5	3	0	0	0	0
25°	5	5	3	0	0	0	0
22.5°	5	5	3	0	0	0	0
20°	5	5	4	0	0	0	0
17.5°	5	5	4	0	0	0	0
15°	6	5	4	0	0	0	0
12.5°	6	5	4	0	0	0	0
10°	7	5	5	0	0	0	0
7.5°	8	5	5	0	0	0	0
5°	8	5	5	0	0	0	0
2.5°	9	5	5	0	0	0	0
0°	10	5	5	0	0	0	0
-2.5°	12	5	5	0	0	0	0
-5°	13	6	5	1	0	0	0
-7.5°	15	6	5	1	0	0	0
-10°	16	7	5	1	0	0	0
-12.5°	18	7	5	1	0	0	0
-15°	19	7	4	2	0	0	0
-17.5°	19	8	4	2	0	0	0
-20°	20	8	4	2	0	0	0

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CATALOG NUMBER: GFLD-SA4D-722-U-MR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20	8	4	2	0	0	0
-25°	20	8	5	2	0	0	0
-27.5°	20	9	5	2	0	0	0
-30°	20	9	5	2	0	0	0
-32.5°	20	10	5	2	0	0	0
-35°	20	10	6	2	0	0	0
-37.5°	20	10	6	2	0	0	0
-40°	20	10	6	1	0	0	0
-42.5°	19	11	6	1	0	0	0
-45°	18	11	6	1	0	0	0
-47.5°	17	10	6	1	0	0	0
-50°	17	10	5	1	0	0	0
-52.5°	16	10	5	1	0	0	0
-55°	15	9	4	1	0	0	0
-57.5°	14	9	4	1	0	0	0
-60°	12	8	4	1	0	0	0
-62.5°	12	7	3	1	0	0	0
-65°	11	7	3	1	0	0	0
-67.5°	10	6	3	1	0	0	0
-70°	9	6	3	1	0	0	0
-72.5°	8	5	3	1	0	0	0
-75°	7	4	2	1	0	0	0
-77.5°	6	4	2	1	0	0	0
-80°	5	3	2	1	0	0	0
-82.5°	4	2	1	0	0	0	0
-85°	2	2	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)