

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: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-735-U-MR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627454 (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-735-U-MR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

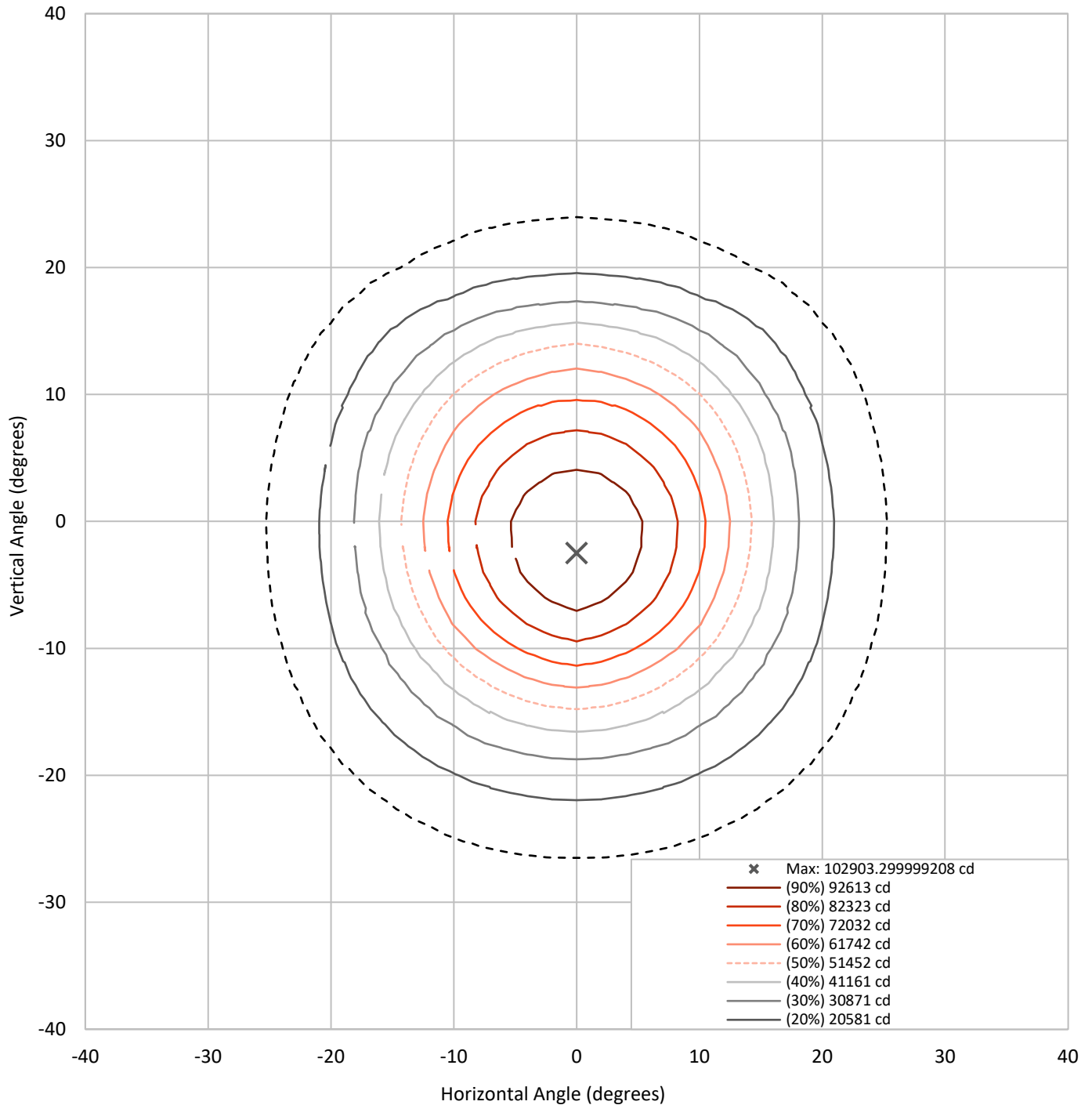
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	29185.6 lumens	Max Intensity:	102903.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	131.8 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:	14593.1 lumens	Field Lumens:	25075.9 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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### Iso-Candela Plot





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### Lumen Table

90																			
80	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	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0				
50		0.0	0.2	0.8	2.0	3.3	4.6	5.5	5.5	4.6	3.3	2.0	0.8	0.2	0.0				
40	0.1	0.1	1.0	3.2	6.1	9.5	13.3	15.6	15.6	13.3	9.5	6.1	3.2	1.0	0.1				
30		0.4	2.5	6.2	11.5	18.9	31.5	42.0	42.0	31.5	18.9	11.5	6.2	2.5	0.4				
20	0.2	0.9	3.9	9.5	18.1	44.1	138.5	254.0	254.0	138.5	44.1	18.1	9.5	3.9	0.9				
10		1.4	5.4	13.0	31.0	152.0	618.1	1210.2	1210.2	618.1	152.0	31.0	13.0	5.4	1.4				
0	0.4	1.8	6.6	15.4	44.5	289.7	1248.0	2446.2	2446.2	1248.0	289.7	44.5	15.4	6.6	1.8				
-10		2.1	7.2	16.3	47.6	303.5	1280.6	2593.8	2593.8	1280.6	303.5	47.6	16.3	7.2	2.1				
-20	0.5	2.2	7.3	15.9	39.2	186.4	708.1	1372.6	1372.6	708.1	186.4	39.2	15.9	7.3	2.2				
-30		2.2	7.0	14.5	28.7	72.4	219.3	391.3	391.3	219.3	72.4	28.7	14.5	7.0	2.2				
-40	0.5	1.9	6.2	12.6	21.8	35.7	58.3	78.0	78.0	58.3	35.7	21.8	12.6	6.2	1.9				
-50		1.6	5.1	10.4	17.2	24.6	32.4	36.3	36.3	32.4	24.6	17.2	10.4	5.1	1.6				
-60	0.3	1.2	3.9	8.1	13.4	18.7	23.4	25.4	25.4	23.4	18.7	13.4	8.1	3.9	1.2				
-70		0.8	2.4	5.3	9.0	12.7	16.0	17.7	17.7	16.0	12.7	9.0	5.3	2.4	0.8				
-80	0.1	1.9		8.6		18.6		23.5		18.6		8.6		1.9					
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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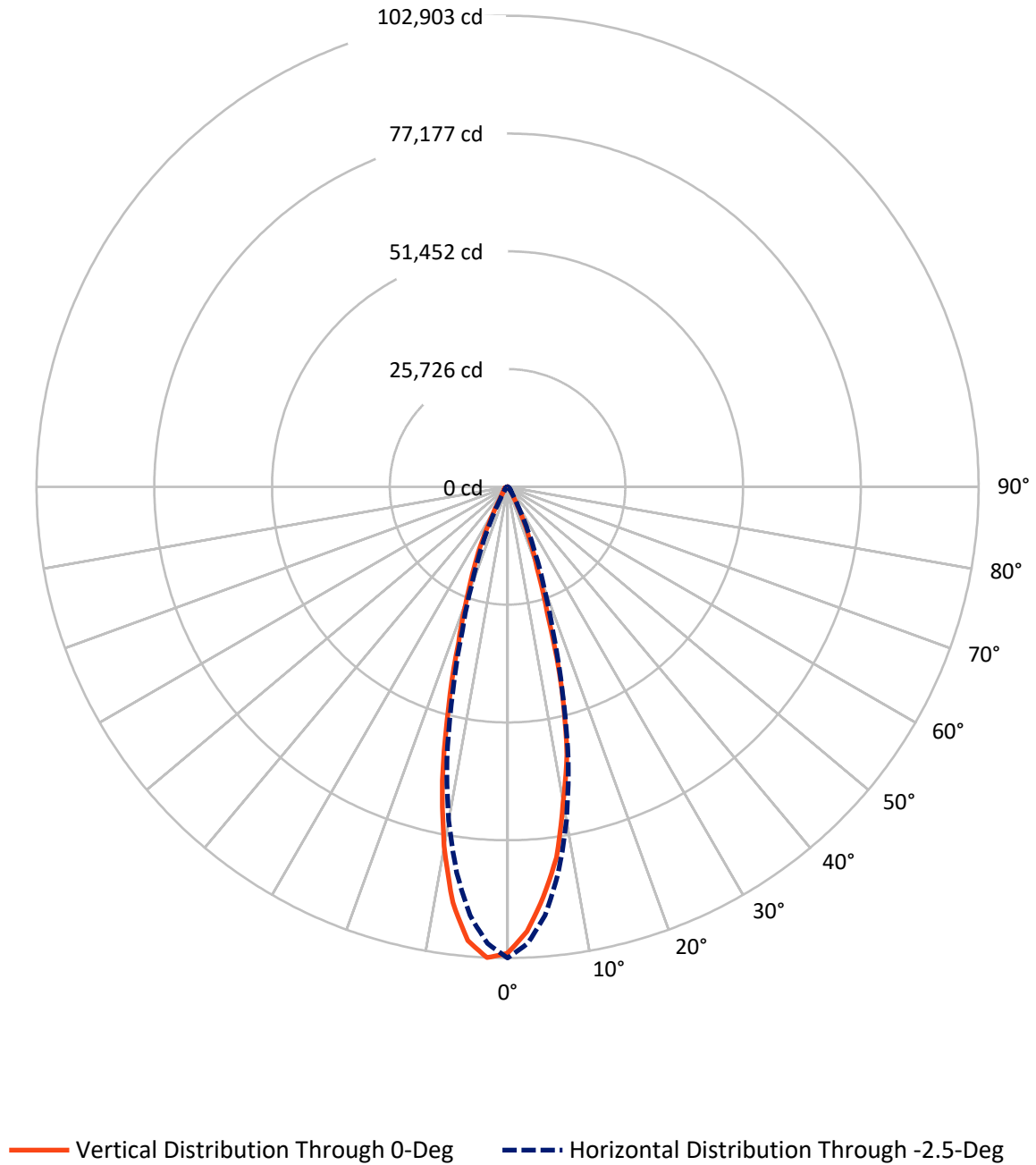
Scaled Data Report



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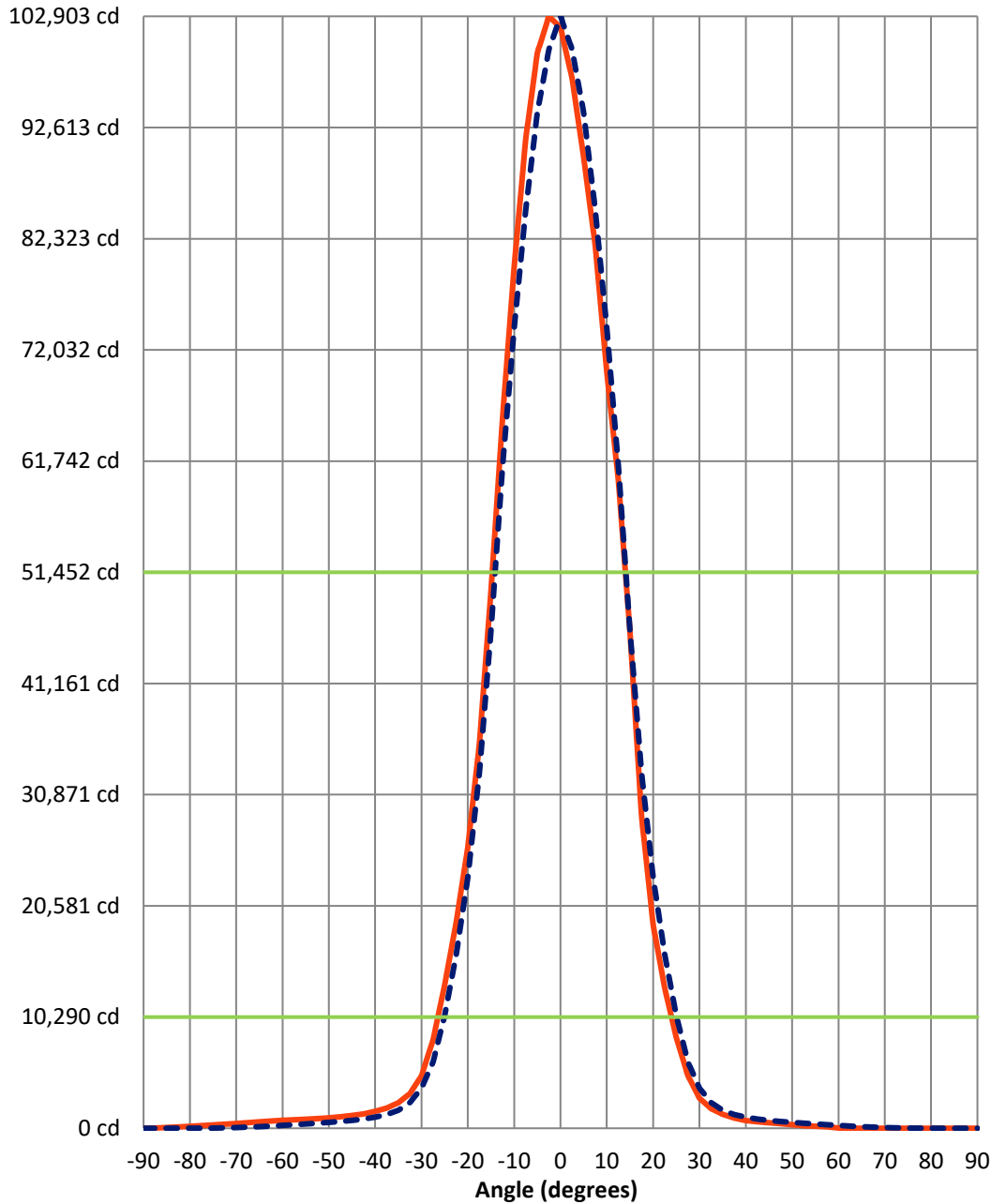
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 28.2°  
V Angle: 28.7°  
Lumens: 14593.1  
Efficiency: 50.0%

**Field:**  
H Angle: 50.2°  
V Angle: 50.4°  
Lumens: 25075.9  
Efficiency: 85.9%

**Spill:**  
Lumens: 4109.8  
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	2
57.5°	0	0	0	0	0	0	0	0	1	3	2
55°	0	0	0	0	0	0	1	0	3	4	3
52.5°	0	0	0	0	0	0	1	2	5	4	3
50°	0	0	0	0	0	1	2	3	6	5	4
47.5°	0	0	0	0	0	1	3	5	6	5	6
45°	0	0	0	0	0	2	4	6	7	6	6
42.5°	0	0	0	0	0	3	4	7	7	6	10
40°	0	0	0	0	0	4	5	7	7	7	15
37.5°	0	0	0	0	1	5	6	7	8	9	21
35°	0	0	0	0	2	5	6	7	10	16	28
32.5°	0	0	0	0	2	6	7	7	12	22	35
30°	0	0	0	0	3	6	7	7	15	27	43
27.5°	0	0	0	0	4	6	7	9	18	33	52
25°	0	0	0	0	4	6	7	11	23	39	61
22.5°	0	0	0	0	5	7	7	14	27	46	72
20°	0	0	0	0	5	7	7	16	32	54	83
17.5°	0	0	0	0	5	7	7	19	35	61	93
15°	0	0	0	0	6	7	8	22	39	68	102
12.5°	0	0	0	0	6	7	8	25	43	75	111
10°	0	0	0	0	6	7	9	28	47	82	118
7.5°	0	0	0	0	6	7	10	31	50	88	125
5°	0	0	0	0	6	7	11	34	53	94	132
2.5°	0	0	0	0	6	7	12	37	56	99	138
0°	0	0	0	0	7	7	13	39	58	104	142
-2.5°	0	0	0	0	6	7	16	40	64	107	147
-5°	0	0	0	1	6	8	18	40	69	110	150
-7.5°	0	0	0	1	6	9	20	41	74	113	153
-10°	0	0	0	2	6	9	22	41	77	115	154
-12.5°	0	0	0	2	6	10	24	41	79	116	158
-15°	0	0	0	2	6	10	25	42	79	118	161
-17.5°	0	0	0	3	6	10	26	43	79	119	162
-20°	0	0	0	3	6	10	26	45	78	118	162

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CATALOG NUMBER: GFLD-SA4D-735-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	3	6	10	27	47	76	117	160
-25°	0	0	0	3	6	11	27	48	74	114	155
-27.5°	0	0	0	3	6	12	27	48	71	111	152
-30°	0	0	0	3	7	13	27	48	71	107	148
-32.5°	0	0	0	3	7	13	26	48	71	103	142
-35°	0	0	0	3	8	13	26	47	70	99	134
-37.5°	0	0	0	2	8	13	26	46	68	95	131
-40°	0	0	0	2	9	14	26	44	66	92	127
-42.5°	0	0	0	1	8	14	25	43	64	89	123
-45°	0	0	0	1	8	14	24	41	61	85	117
-47.5°	0	0	0	1	8	14	23	39	59	80	111
-50°	0	0	0	1	7	14	22	37	55	76	103
-52.5°	0	0	0	1	7	13	21	34	52	71	94
-55°	0	0	0	1	6	12	20	31	47	66	88
-57.5°	0	0	0	1	5	12	18	29	43	60	80
-60°	0	0	0	1	5	11	17	26	38	54	72
-62.5°	0	0	0	1	5	10	16	23	34	47	64
-65°	0	0	0	1	4	9	15	21	31	42	56
-67.5°	0	0	0	1	4	8	13	19	27	37	49
-70°	0	0	0	1	4	7	12	17	23	32	42
-72.5°	0	0	0	1	4	7	11	15	20	27	35
-75°	0	0	0	1	3	6	9	13	16	22	28
-77.5°	0	0	0	1	3	5	8	10	13	16	21
-80°	0	0	0	1	2	4	7	8	10	12	15
-82.5°	0	0	0	1	2	3	5	6	7	8	10
-85°	0	0	0	0	1	2	3	4	4	5	5
-87.5°	0	0	0	0	1	1	2	2	2	2	3
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-735-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	1	2	2
60°	0	0	1	2	1	3	4	5	6	6	13
57.5°	1	1	3	4	5	7	10	12	20	30	36
55°	2	4	5	6	9	15	21	32	43	57	68
52.5°	4	7	6	10	19	28	41	57	74	87	98
50°	6	8	9	21	32	47	67	88	103	116	134
47.5°	9	10	20	33	50	72	98	116	131	154	181
45°	12	19	32	49	71	102	125	142	167	195	222
42.5°	17	29	46	65	100	129	151	175	203	233	263
40°	25	39	62	91	127	155	183	210	238	274	306
37.5°	33	54	80	116	152	183	215	247	281	319	356
35°	41	69	101	138	175	214	248	285	327	369	411
32.5°	52	84	120	160	200	242	281	328	372	417	469
30°	66	100	138	181	223	268	318	369	413	465	520
27.5°	81	115	156	201	245	293	353	405	453	508	569
25°	95	131	174	219	267	323	387	440	491	552	623
22.5°	108	146	194	236	289	353	418	478	536	596	679
20°	120	163	212	258	310	381	450	516	584	660	753
17.5°	133	179	230	282	339	409	482	556	631	724	840
15°	144	194	248	303	365	437	513	595	682	791	924
12.5°	155	207	265	324	389	463	541	626	727	857	1023
10°	165	219	282	342	409	485	566	654	763	903	1097
7.5°	174	230	297	359	426	505	587	678	793	941	1155
5°	182	241	308	371	440	521	603	698	816	971	1203
2.5°	189	251	317	381	451	531	614	711	832	1000	1240
0°	194	259	324	389	460	538	622	719	842	1024	1263
-2.5°	201	268	331	397	469	545	629	727	853	1031	1269
-5°	205	274	337	403	475	549	633	730	859	1032	1272
-7.5°	209	279	341	407	480	553	636	734	862	1030	1271
-10°	211	282	345	411	484	556	636	732	857	1019	1250
-12.5°	215	283	346	413	485	557	634	726	845	999	1210
-15°	217	283	347	412	484	556	629	715	826	974	1157
-17.5°	219	282	345	408	481	553	622	704	808	946	1121
-20°	218	281	342	402	475	547	615	695	792	914	1071

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CATALOG NUMBER: GFLD-SA4D-735-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°	217	279	337	397	466	537	606	681	771	874	1015
-25°	213	275	333	391	456	524	594	663	748	847	967
-27.5°	208	270	327	384	445	509	577	646	724	814	917
-30°	200	262	319	376	435	496	559	627	697	781	875
-32.5°	191	253	308	365	424	482	539	604	672	744	829
-35°	183	241	297	351	410	466	520	578	644	712	784
-37.5°	177	229	285	336	392	448	499	553	612	678	744
-40°	170	217	271	322	372	428	479	527	581	645	707
-42.5°	162	208	257	307	355	405	458	504	554	613	672
-45°	155	198	244	291	339	384	433	482	531	582	638
-47.5°	147	188	232	274	321	367	409	456	506	555	604
-50°	137	176	216	256	300	346	390	430	475	524	572
-52.5°	126	163	200	237	278	321	366	407	447	489	535
-55°	114	148	183	218	254	294	337	379	420	458	498
-57.5°	103	132	165	199	232	266	307	347	386	425	465
-60°	93	117	145	178	211	242	276	314	352	388	424
-62.5°	82	103	127	155	186	217	249	281	316	347	379
-65°	72	89	110	134	160	187	217	248	279	305	329
-67.5°	62	77	94	113	135	158	182	209	238	261	284
-70°	53	64	78	94	112	131	152	174	195	216	238
-72.5°	45	54	64	75	90	107	124	141	159	178	196
-75°	36	44	52	61	72	86	100	115	130	144	159
-77.5°	28	35	41	48	56	67	78	90	102	114	126
-80°	20	25	31	37	43	50	57	65	73	83	92
-82.5°	13	18	22	27	30	34	38	43	49	56	62
-85°	7	10	13	16	18	19	21	24	28	32	36
-87.5°	4	5	6	7	8	8	9	9	11	12	14
-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	2	1	1	0	0
62.5°	2	3	5	7	7	8	8	9	9	9	9
60°	16	16	24	30	29	22	32	37	35	30	30
57.5°	46	57	65	68	77	90	94	93	94	98	110
55°	80	88	95	108	121	133	143	150	158	166	176
52.5°	108	123	134	147	165	175	180	198	214	226	234
50°	154	170	187	205	222	237	250	268	289	312	325
47.5°	202	222	244	270	289	304	321	346	375	401	417
45°	247	270	298	323	344	365	390	421	450	477	497
42.5°	287	314	342	371	390	423	458	489	526	560	585
40°	334	359	402	431	457	491	543	588	632	673	699
37.5°	390	433	478	515	549	592	663	733	788	843	882
35°	456	508	565	604	656	736	824	920	1017	1094	1164
32.5°	520	577	635	698	776	889	1001	1155	1298	1444	1582
30°	577	641	711	792	920	1077	1258	1494	1750	2006	2297
27.5°	637	707	791	921	1113	1327	1661	2033	2564	2990	3678
25°	702	782	895	1102	1369	1745	2328	2992	4089	5026	6083
22.5°	781	903	1065	1324	1768	2445	3353	4799	6484	8048	9541
20°	879	1044	1320	1733	2370	3412	5132	7325	9668	11958	14172
17.5°	1008	1271	1665	2252	3155	5345	7905	11039	15050	18064	20921
15°	1125	1457	2054	3004	4704	7522	11100	15899	21300	25841	30978
12.5°	1264	1666	2384	3616	6048	9772	14333	20056	26448	33341	41388
10°	1385	1879	2804	4500	7449	11783	16894	23612	31822	41576	51746
7.5°	1479	2058	3154	5162	8629	13433	19529	27700	38098	49498	61096
5°	1552	2195	3429	5681	9633	14772	21453	30935	42787	55872	67405
2.5°	1608	2293	3611	6000	10311	15687	22768	32654	45656	60033	72142
0°	1652	2352	3713	6226	10626	16120	23377	33349	47000	62071	74524
-2.5°	1667	2383	3717	6148	10434	16094	23235	32923	46073	61262	74019
-5°	1673	2367	3624	5985	10094	15517	22304	31305	43241	57487	70415
-7.5°	1661	2304	3434	5584	9331	14498	21005	28906	38689	51250	64612
-10°	1616	2193	3176	5040	8280	12907	18983	25658	33473	43728	54556
-12.5°	1535	2028	2821	4225	7043	11107	16488	22389	28479	35218	44125
-15°	1438	1859	2531	3731	5897	9217	13574	18557	23612	28773	34206
-17.5°	1365	1712	2234	3071	4528	7212	10696	14701	18802	22900	26559
-20°	1271	1536	1944	2595	3653	5241	7862	10978	14042	17384	20188

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Scaled Data Report



REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-735-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°	1188	1413	1718	2129	2840	3958	5452	7646	9974	12401	14704
-25°	1110	1279	1522	1851	2276	2941	3928	5075	6709	8202	9912
-27.5°	1043	1186	1350	1594	1916	2280	2886	3555	4412	5124	6265
-30°	979	1093	1229	1385	1621	1899	2224	2630	3049	3469	4016
-32.5°	919	1015	1121	1248	1394	1602	1804	2064	2294	2546	2807
-35°	861	946	1033	1134	1246	1383	1534	1707	1859	2012	2148
-37.5°	810	881	958	1037	1127	1222	1341	1463	1566	1665	1749
-40°	767	827	890	956	1028	1105	1198	1287	1357	1421	1475
-42.5°	729	781	831	887	947	1017	1089	1158	1205	1250	1285
-45°	692	737	782	828	877	939	1001	1054	1091	1125	1151
-47.5°	652	693	734	776	824	873	922	962	995	1024	1043
-50°	614	654	691	726	768	812	855	888	918	943	956
-52.5°	576	614	652	688	722	756	790	822	852	878	887
-55°	539	577	611	644	678	710	740	768	795	820	827
-57.5°	503	542	577	604	633	662	691	718	744	766	775
-60°	462	501	532	559	586	613	638	664	689	710	720
-62.5°	413	448	477	502	528	551	574	597	620	638	648
-65°	356	386	414	439	461	483	505	525	544	558	567
-67.5°	305	328	351	374	397	418	437	455	472	484	492
-70°	258	278	299	319	339	358	375	391	406	417	425
-72.5°	214	232	250	269	287	303	317	331	345	354	362
-75°	174	189	205	220	236	249	261	272	283	291	298
-77.5°	138	150	161	173	185	195	205	214	223	229	235
-80°	102	112	121	129	138	145	152	159	166	172	178
-82.5°	69	76	83	90	97	101	105	109	112	116	121
-85°	40	44	49	53	57	60	63	66	68	71	73
-87.5°	16	18	20	22	23	24	24	25	25	27	29
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-735-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	1	1
62.5°	8	7	6	6	6	7	8	9	9	9	9
60°	28	26	26	26	26	26	28	30	30	35	37
57.5°	121	129	135	136	135	129	121	110	98	94	93
55°	184	190	191	188	191	190	184	176	166	158	150
52.5°	237	238	237	233	237	238	237	234	226	214	198
50°	329	328	329	330	329	328	329	325	312	289	268
47.5°	424	428	430	428	430	428	424	417	401	375	346
45°	506	512	515	512	515	512	506	497	477	450	421
42.5°	595	599	601	603	601	599	595	585	560	526	489
40°	711	716	715	713	715	716	711	699	673	632	588
37.5°	909	923	929	946	929	923	909	882	843	788	733
35°	1217	1250	1268	1296	1268	1250	1217	1164	1094	1017	920
32.5°	1681	1749	1785	1821	1785	1749	1681	1582	1444	1298	1155
30°	2499	2633	2687	2786	2687	2633	2499	2297	2006	1750	1494
27.5°	4183	4500	4625	4885	4625	4500	4183	3678	2990	2564	2033
25°	7046	7729	8106	8404	8106	7729	7046	6083	5026	4089	2992
22.5°	11047	12048	12583	12978	12583	12048	11047	9541	8048	6484	4799
20°	16179	17501	18289	18861	18289	17501	16179	14172	11958	9668	7325
17.5°	24589	26666	27880	28923	27880	26666	24589	20921	18064	15050	11039
15°	36709	40882	44125	45931	44125	40882	36709	30978	25841	21300	15899
12.5°	48500	54612	58243	59914	58243	54612	48500	41388	33341	26448	20056
10°	60161	65924	69379	69989	69379	65924	60161	51746	41576	31822	23612
7.5°	69088	75425	80016	81684	80016	75425	69088	61096	49498	38098	27700
5°	76972	84393	89251	89867	89251	84393	76972	67405	55872	42787	30935
2.5°	82772	90839	95550	97169	95550	90839	82772	72142	60033	45656	32654
0°	85578	94266	99508	101867	99508	94266	85578	74524	62071	47000	33349
-2.5°	84988	93974	99825	102903	99825	93974	84988	74019	61262	46073	32923
-5°	81756	90769	96224	99495	96224	90769	81756	70415	57487	43241	31305
-7.5°	74304	82733	88540	91558	88540	82733	74304	64612	51250	38689	28906
-10°	64702	71835	77129	79701	77129	71835	64702	54556	43728	33473	25658
-12.5°	52224	59144	63919	65738	63919	59144	52224	44125	35218	28479	22389
-15°	40013	45294	48687	49761	48687	45294	40013	34206	28773	23612	18557
-17.5°	30344	33187	35096	35610	35096	33187	30344	26559	22900	18802	14701
-20°	22734	24495	25734	26027	25734	24495	22734	20188	17384	14042	10978

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REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-735-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°	16564	17889	18889	19088	18889	17889	16564	14704	12401	9974	7646
-25°	11426	12533	13212	13263	13212	12533	11426	9912	8202	6709	5075
-27.5°	7163	7772	8086	8196	8086	7772	7163	6265	5124	4412	3555
-30°	4427	4707	4855	4859	4855	4707	4427	4016	3469	3049	2630
-32.5°	3005	3140	3214	3214	3214	3140	3005	2807	2546	2294	2064
-35°	2251	2321	2361	2365	2361	2321	2251	2148	2012	1859	1707
-37.5°	1810	1849	1869	1873	1869	1849	1810	1749	1665	1566	1463
-40°	1514	1540	1557	1568	1557	1540	1514	1475	1421	1357	1287
-42.5°	1309	1327	1334	1328	1334	1327	1309	1285	1250	1205	1158
-45°	1166	1176	1183	1186	1183	1176	1166	1151	1125	1091	1054
-47.5°	1052	1058	1061	1063	1061	1058	1052	1043	1024	995	962
-50°	963	967	968	965	968	967	963	956	943	918	888
-52.5°	891	892	893	894	893	892	891	887	878	852	822
-55°	832	834	835	836	835	834	832	827	820	795	768
-57.5°	782	787	787	784	787	787	782	775	766	744	718
-60°	728	735	738	739	738	735	728	720	710	689	664
-62.5°	657	663	667	667	667	663	657	648	638	620	597
-65°	574	580	588	596	588	580	574	567	558	544	525
-67.5°	498	503	511	518	511	503	498	492	484	472	455
-70°	432	438	440	441	440	438	432	425	417	406	391
-72.5°	368	374	375	376	375	374	368	362	354	345	331
-75°	304	309	311	311	311	309	304	298	291	283	272
-77.5°	240	245	246	246	246	245	240	235	229	223	214
-80°	182	187	184	181	184	187	182	178	172	166	159
-82.5°	125	129	126	123	126	129	125	121	116	112	109
-85°	75	77	74	71	74	77	75	73	71	68	66
-87.5°	31	32	29	26	29	32	31	29	27	25	25
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-735-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°	2	1	0	0	0	0	0	0	0	0	0
62.5°	8	8	7	7	5	3	2	2	2	1	1
60°	32	22	29	30	24	16	16	13	6	6	5
57.5°	94	90	77	68	65	57	46	36	30	20	12
55°	143	133	121	108	95	88	80	68	57	43	32
52.5°	180	175	165	147	134	123	108	98	87	74	57
50°	250	237	222	205	187	170	154	134	116	103	88
47.5°	321	304	289	270	244	222	202	181	154	131	116
45°	390	365	344	323	298	270	247	222	195	167	142
42.5°	458	423	390	371	342	314	287	263	233	203	175
40°	543	491	457	431	402	359	334	306	274	238	210
37.5°	663	592	549	515	478	433	390	356	319	281	247
35°	824	736	656	604	565	508	456	411	369	327	285
32.5°	1001	889	776	698	635	577	520	469	417	372	328
30°	1258	1077	920	792	711	641	577	520	465	413	369
27.5°	1661	1327	1113	921	791	707	637	569	508	453	405
25°	2328	1745	1369	1102	895	782	702	623	552	491	440
22.5°	3353	2445	1768	1324	1065	903	781	679	596	536	478
20°	5132	3412	2370	1733	1320	1044	879	753	660	584	516
17.5°	7905	5345	3155	2252	1665	1271	1008	840	724	631	556
15°	11100	7522	4704	3004	2054	1457	1125	924	791	682	595
12.5°	14333	9772	6048	3616	2384	1666	1264	1023	857	727	626
10°	16894	11783	7449	4500	2804	1879	1385	1097	903	763	654
7.5°	19529	13433	8629	5162	3154	2058	1479	1155	941	793	678
5°	21453	14772	9633	5681	3429	2195	1552	1203	971	816	698
2.5°	22768	15687	10311	6000	3611	2293	1608	1240	1000	832	711
0°	23377	16120	10626	6226	3713	2352	1652	1263	1024	842	719
-2.5°	23235	16094	10434	6148	3717	2383	1667	1269	1031	853	727
-5°	22304	15517	10094	5985	3624	2367	1673	1272	1032	859	730
-7.5°	21005	14498	9331	5584	3434	2304	1661	1271	1030	862	734
-10°	18983	12907	8280	5040	3176	2193	1616	1250	1019	857	732
-12.5°	16488	11107	7043	4225	2821	2028	1535	1210	999	845	726
-15°	13574	9217	5897	3731	2531	1859	1438	1157	974	826	715
-17.5°	10696	7212	4528	3071	2234	1712	1365	1121	946	808	704
-20°	7862	5241	3653	2595	1944	1536	1271	1071	914	792	695

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REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-735-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°	5452	3958	2840	2129	1718	1413	1188	1015	874	771	681
-25°	3928	2941	2276	1851	1522	1279	1110	967	847	748	663
-27.5°	2886	2280	1916	1594	1350	1186	1043	917	814	724	646
-30°	2224	1899	1621	1385	1229	1093	979	875	781	697	627
-32.5°	1804	1602	1394	1248	1121	1015	919	829	744	672	604
-35°	1534	1383	1246	1134	1033	946	861	784	712	644	578
-37.5°	1341	1222	1127	1037	958	881	810	744	678	612	553
-40°	1198	1105	1028	956	890	827	767	707	645	581	527
-42.5°	1089	1017	947	887	831	781	729	672	613	554	504
-45°	1001	939	877	828	782	737	692	638	582	531	482
-47.5°	922	873	824	776	734	693	652	604	555	506	456
-50°	855	812	768	726	691	654	614	572	524	475	430
-52.5°	790	756	722	688	652	614	576	535	489	447	407
-55°	740	710	678	644	611	577	539	498	458	420	379
-57.5°	691	662	633	604	577	542	503	465	425	386	347
-60°	638	613	586	559	532	501	462	424	388	352	314
-62.5°	574	551	528	502	477	448	413	379	347	316	281
-65°	505	483	461	439	414	386	356	329	305	279	248
-67.5°	437	418	397	374	351	328	305	284	261	238	209
-70°	375	358	339	319	299	278	258	238	216	195	174
-72.5°	317	303	287	269	250	232	214	196	178	159	141
-75°	261	249	236	220	205	189	174	159	144	130	115
-77.5°	205	195	185	173	161	150	138	126	114	102	90
-80°	152	145	138	129	121	112	102	92	83	73	65
-82.5°	105	101	97	90	83	76	69	62	56	49	43
-85°	63	60	57	53	49	44	40	36	32	28	24
-87.5°	24	24	23	22	20	18	16	14	12	11	9
-90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

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**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°	4	3	1	2	1	0	0	2	1	0	0
57.5°	10	7	5	4	3	1	1	2	3	1	0
55°	21	15	9	6	5	4	2	3	4	3	0
52.5°	41	28	19	10	6	7	4	3	4	5	2
50°	67	47	32	21	9	8	6	4	5	6	3
47.5°	98	72	50	33	20	10	9	6	5	6	5
45°	125	102	71	49	32	19	12	6	6	7	6
42.5°	151	129	100	65	46	29	17	10	6	7	7
40°	183	155	127	91	62	39	25	15	7	7	7
37.5°	215	183	152	116	80	54	33	21	9	8	7
35°	248	214	175	138	101	69	41	28	16	10	7
32.5°	281	242	200	160	120	84	52	35	22	12	7
30°	318	268	223	181	138	100	66	43	27	15	7
27.5°	353	293	245	201	156	115	81	52	33	18	9
25°	387	323	267	219	174	131	95	61	39	23	11
22.5°	418	353	289	236	194	146	108	72	46	27	14
20°	450	381	310	258	212	163	120	83	54	32	16
17.5°	482	409	339	282	230	179	133	93	61	35	19
15°	513	437	365	303	248	194	144	102	68	39	22
12.5°	541	463	389	324	265	207	155	111	75	43	25
10°	566	485	409	342	282	219	165	118	82	47	28
7.5°	587	505	426	359	297	230	174	125	88	50	31
5°	603	521	440	371	308	241	182	132	94	53	34
2.5°	614	531	451	381	317	251	189	138	99	56	37
0°	622	538	460	389	324	259	194	142	104	58	39
-2.5°	629	545	469	397	331	268	201	147	107	64	40
-5°	633	549	475	403	337	274	205	150	110	69	40
-7.5°	636	553	480	407	341	279	209	153	113	74	41
-10°	636	556	484	411	345	282	211	154	115	77	41
-12.5°	634	557	485	413	346	283	215	158	116	79	41
-15°	629	556	484	412	347	283	217	161	118	79	42
-17.5°	622	553	481	408	345	282	219	162	119	79	43
-20°	615	547	475	402	342	281	218	162	118	78	45

Classified

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

Scaled Data Report



REPORT NUMBER: P627454 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-735-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°	606	537	466	397	337	279	217	160	117	76	47
-25°	594	524	456	391	333	275	213	155	114	74	48
-27.5°	577	509	445	384	327	270	208	152	111	71	48
-30°	559	496	435	376	319	262	200	148	107	71	48
-32.5°	539	482	424	365	308	253	191	142	103	71	48
-35°	520	466	410	351	297	241	183	134	99	70	47
-37.5°	499	448	392	336	285	229	177	131	95	68	46
-40°	479	428	372	322	271	217	170	127	92	66	44
-42.5°	458	405	355	307	257	208	162	123	89	64	43
-45°	433	384	339	291	244	198	155	117	85	61	41
-47.5°	409	367	321	274	232	188	147	111	80	59	39
-50°	390	346	300	256	216	176	137	103	76	55	37
-52.5°	366	321	278	237	200	163	126	94	71	52	34
-55°	337	294	254	218	183	148	114	88	66	47	31
-57.5°	307	266	232	199	165	132	103	80	60	43	29
-60°	276	242	211	178	145	117	93	72	54	38	26
-62.5°	249	217	186	155	127	103	82	64	47	34	23
-65°	217	187	160	134	110	89	72	56	42	31	21
-67.5°	182	158	135	113	94	77	62	49	37	27	19
-70°	152	131	112	94	78	64	53	42	32	23	17
-72.5°	124	107	90	75	64	54	45	35	27	20	15
-75°	100	86	72	61	52	44	36	28	22	16	13
-77.5°	78	67	56	48	41	35	28	21	16	13	10
-80°	57	50	43	37	31	25	20	15	12	10	8
-82.5°	38	34	30	27	22	18	13	10	8	7	6
-85°	21	19	18	16	13	10	7	5	5	4	4
-87.5°	9	8	8	7	6	5	4	3	2	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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CATALOG NUMBER: GFLD-SA4D-735-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°	2	1	0	0	0	0	0
47.5°	3	1	0	0	0	0	0
45°	4	2	0	0	0	0	0
42.5°	4	3	0	0	0	0	0
40°	5	4	0	0	0	0	0
37.5°	6	5	1	0	0	0	0
35°	6	5	2	0	0	0	0
32.5°	7	6	2	0	0	0	0
30°	7	6	3	0	0	0	0
27.5°	7	6	4	0	0	0	0
25°	7	6	4	0	0	0	0
22.5°	7	7	5	0	0	0	0
20°	7	7	5	0	0	0	0
17.5°	7	7	5	0	0	0	0
15°	8	7	6	0	0	0	0
12.5°	8	7	6	0	0	0	0
10°	9	7	6	0	0	0	0
7.5°	10	7	6	0	0	0	0
5°	11	7	6	0	0	0	0
2.5°	12	7	6	0	0	0	0
0°	13	7	7	0	0	0	0
-2.5°	16	7	6	0	0	0	0
-5°	18	8	6	1	0	0	0
-7.5°	20	9	6	1	0	0	0
-10°	22	9	6	2	0	0	0
-12.5°	24	10	6	2	0	0	0
-15°	25	10	6	2	0	0	0
-17.5°	26	10	6	3	0	0	0
-20°	26	10	6	3	0	0	0

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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)