

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: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-735-U-MWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627336 (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-735-U-MWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18057.4 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 25298.2 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 12094.8 lumens
Beam Efficiency: 67.0%

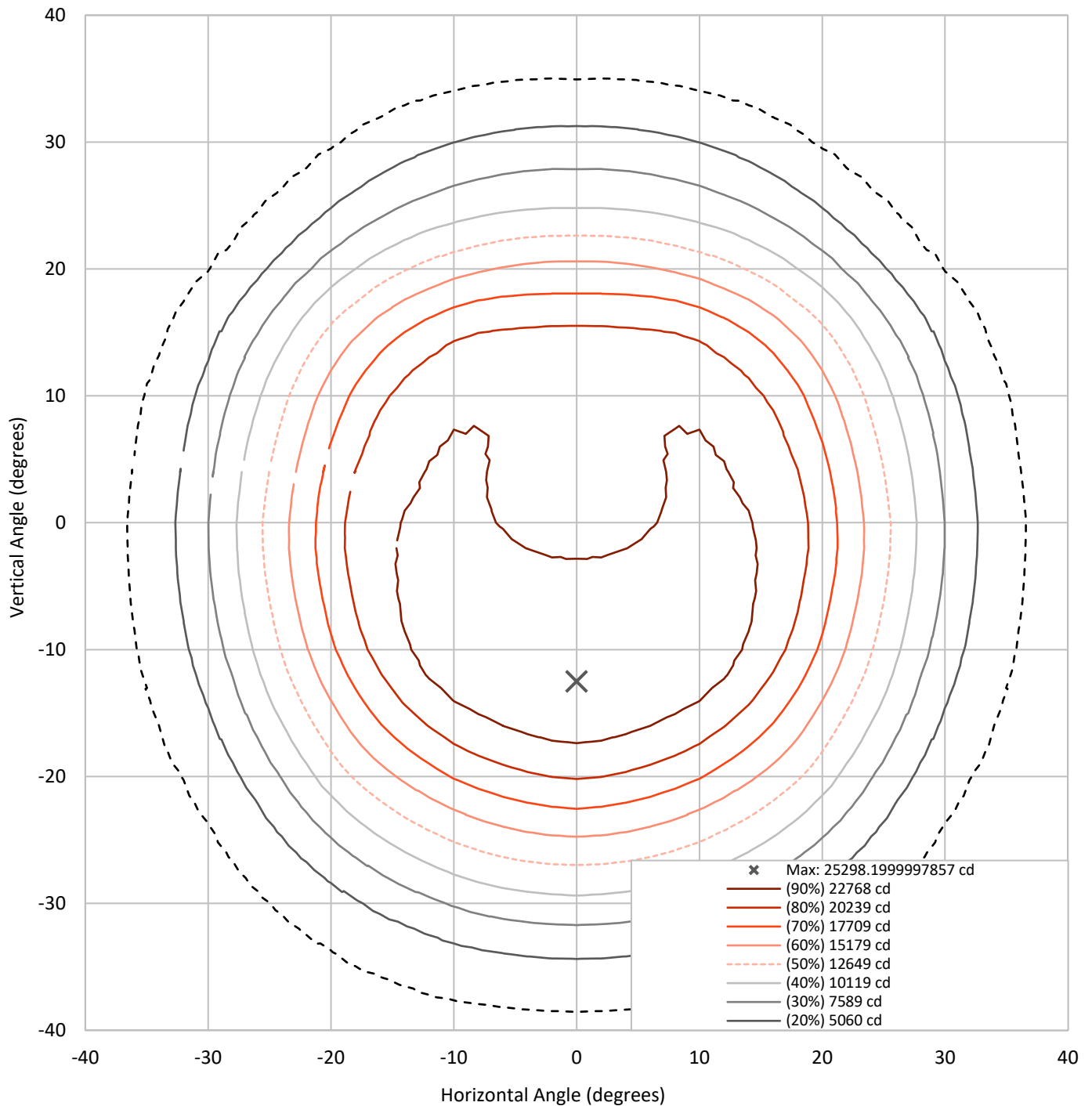
Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 16276 lumens
Field Efficiency: 90.1%

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: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





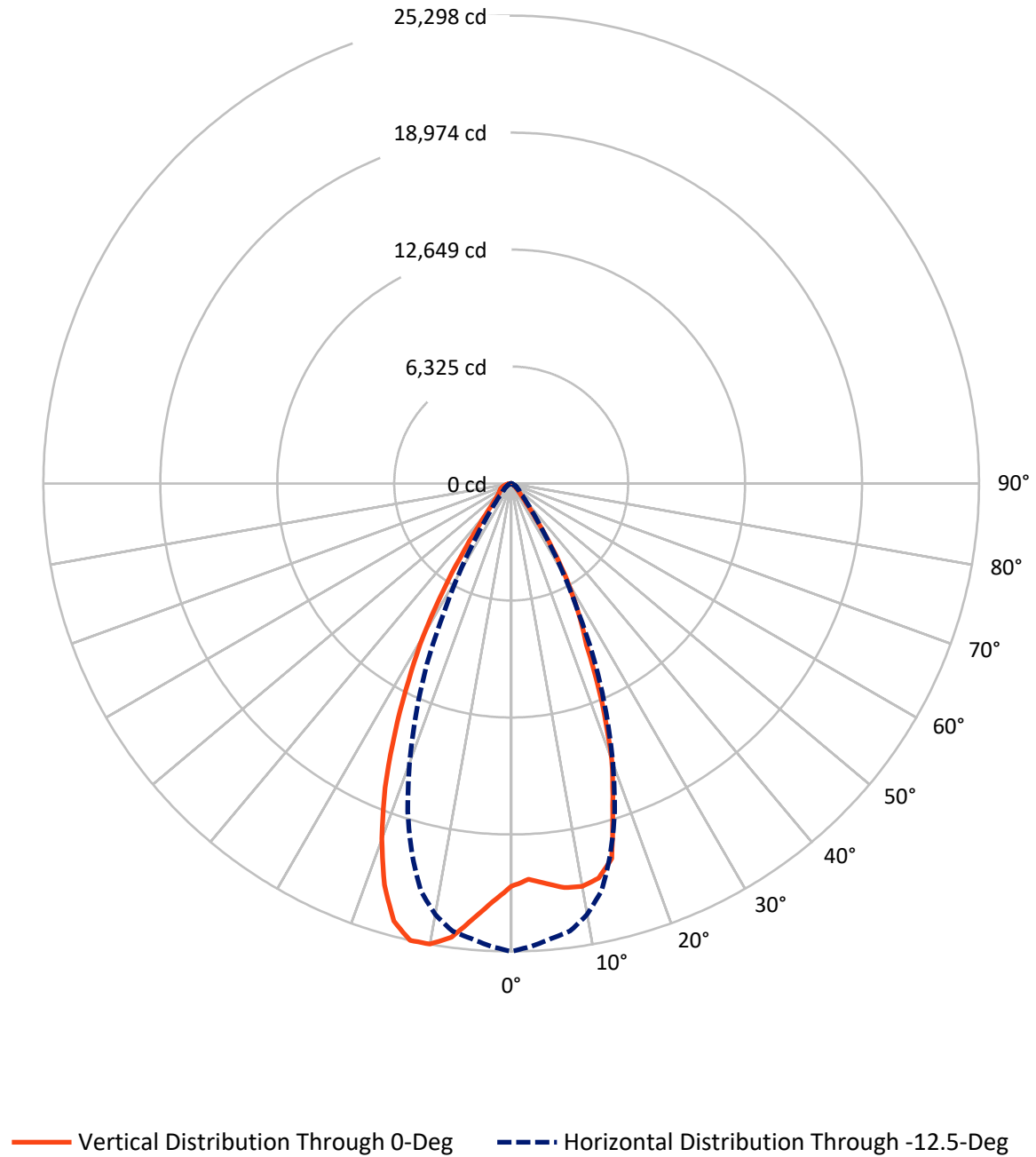
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Lumen Table

90																			
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	3.4	4.0	4.0	3.4	2.5	1.5	0.6	0.1		0.1			
40	0.1	0.1	0.7	2.6	5.1	8.3	12.4	15.2	15.2	12.4	8.3	5.1	2.6	0.7	0.1	0.1			
30		0.3	2.0	5.2	10.8	23.4	53.3	81.4	81.4	53.3	23.4	10.8	5.2	2.0	0.3				
20	0.2	0.7	3.4	8.4	22.7	84.0	216.1	302.1	302.1	216.1	84.0	22.7	8.4	3.4	0.7	0.2			
10		1.2	4.7	13.0	53.9	233.1	486.3	602.1	602.1	486.3	233.1	53.9	13.0	4.7	1.2				
0	0.4	1.6	5.8	16.8	85.9	343.3	627.0	679.7	679.7	627.0	343.3	85.9	16.8	5.8	1.6	0.4			
-10		1.8	6.4	18.0	89.8	354.5	649.6	721.5	721.5	649.6	354.5	89.8	18.0	6.4	1.8				
-20	0.5	2.0	6.5	16.4	64.3	264.0	548.0	699.7	699.7	548.0	264.0	64.3	16.4	6.5	2.0	0.5			
-30		1.9	6.2	13.6	35.9	128.1	305.3	429.7	429.7	305.3	128.1	35.9	13.6	6.2	1.9				
-40	0.5	1.7	5.5	11.3	21.4	45.6	95.4	141.6	141.6	95.4	45.6	21.4	11.3	5.5	1.7	0.5			
-50		1.4	4.7	9.4	15.7	23.1	32.5	38.6	38.6	32.5	23.1	15.7	9.4	4.7	1.4				
-60	0.3	1.1	3.5	7.4	12.3	17.0	21.3	23.3	23.3	21.3	17.0	12.3	7.4	3.5	1.1	0.3			
-70		0.7	2.2	5.1	8.6	12.2	15.5	17.3	17.3	15.5	12.2	8.6	5.1	2.2	0.7				
-80	0.1	2.0	9.1	19.4	24.8	19.4	9.1	2.0	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

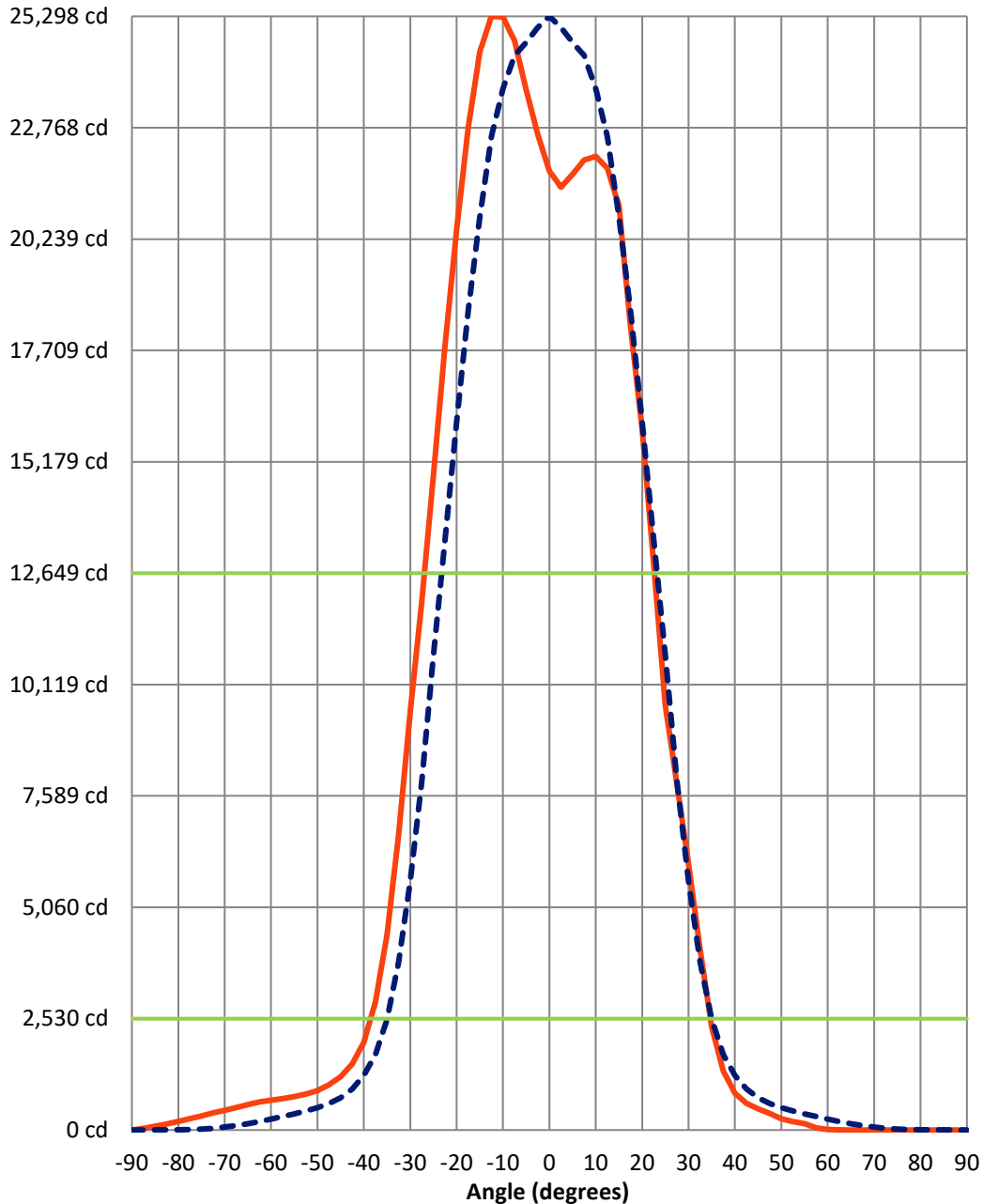
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 12094.8
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 16276
 Efficiency: 90.1%

Spill:
 Lumens: 1781.4
 Efficiency: 9.9%

— 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	1	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	3	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	4	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	9	11
35°	0	0	3	4	4	4	6	6	8	12	15
32.5°	0	0	3	4	4	5	7	6	10	15	25
30°	0	0	3	4	4	5	7	7	12	18	33
27.5°	0	0	3	4	4	6	7	8	14	22	41
25°	0	0	3	4	4	6	8	10	17	28	48
22.5°	0	0	3	4	4	7	8	11	20	34	57
20°	0	0	4	4	4	7	8	12	23	40	66
17.5°	0	0	4	4	4	7	9	14	27	45	75
15°	0	0	4	4	4	8	9	15	31	49	84
12.5°	0	0	4	4	4	8	9	18	34	53	93
10°	0	0	4	4	4	8	10	21	37	60	101
7.5°	0	0	4	4	4	8	11	24	40	67	108
5°	0	0	4	4	4	8	11	28	42	74	113
2.5°	0	0	4	4	4	8	12	30	44	81	117
0°	0	0	4	4	4	8	12	33	46	87	120
-2.5°	0	0	4	4	4	9	15	34	52	91	127
-5°	0	0	4	4	5	9	17	35	57	94	132
-7.5°	0	0	4	4	5	9	19	36	62	97	137
-10°	0	0	4	4	5	10	20	37	66	100	141
-12.5°	0	0	4	4	6	10	22	37	69	102	143
-15°	0	1	4	4	6	10	23	38	70	103	145
-17.5°	0	1	4	4	6	10	23	39	69	103	144
-20°	0	1	4	4	6	11	24	41	68	103	143

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CATALOG NUMBER: GFLD-SA4B-735-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	67	101	139
-25°	0	1	4	4	6	11	24	42	66	99	134
-27.5°	0	1	4	4	6	12	24	42	64	96	131
-30°	0	1	4	4	6	13	23	41	63	94	127
-32.5°	0	1	4	4	6	13	22	40	63	91	122
-35°	0	1	3	4	7	13	23	39	61	88	116
-37.5°	0	1	3	4	7	14	23	38	58	85	114
-40°	0	1	3	4	7	14	23	37	55	81	112
-42.5°	0	1	3	4	7	14	23	35	52	77	108
-45°	0	1	3	4	7	14	22	33	50	73	103
-47.5°	0	1	3	5	7	13	21	33	47	67	97
-50°	0	1	3	5	8	13	21	31	45	64	89
-52.5°	0	1	3	5	8	13	20	30	43	61	82
-55°	0	1	3	5	8	12	19	28	41	57	77
-57.5°	0	1	4	5	7	12	18	26	38	53	71
-60°	0	1	4	5	7	11	17	25	36	50	65
-62.5°	0	1	3	5	7	11	16	23	33	45	60
-65°	0	1	3	5	7	10	15	22	30	41	54
-67.5°	0	1	3	5	7	9	14	19	27	36	48
-70°	0	1	3	5	7	9	12	17	24	31	41
-72.5°	0	1	2	5	6	8	11	15	20	27	34
-75°	0	1	2	4	6	8	10	13	16	22	28
-77.5°	0	0	2	3	5	7	9	12	14	18	22
-80°	0	0	1	3	4	6	8	10	12	15	18
-82.5°	0	0	1	2	3	5	6	8	10	12	15
-85°	0	0	1	1	2	3	4	6	7	9	10
-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

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REPORT NUMBER: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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	3	3	3	4	4	3	3	3	4	10
57.5°	4	4	4	4	5	4	5	6	15	25	27
55°	4	4	5	6	6	7	11	23	35	43	46
52.5°	5	5	6	8	10	16	29	42	53	62	73
50°	5	7	9	12	18	32	48	63	78	91	107
47.5°	7	9	12	18	34	52	71	90	107	126	148
45°	9	13	18	32	51	74	98	120	137	159	179
42.5°	10	20	30	46	73	100	127	145	164	188	214
40°	17	28	44	67	96	129	153	172	192	225	258
37.5°	25	40	58	88	123	155	178	201	231	269	308
35°	35	51	77	111	150	179	205	234	275	319	365
32.5°	44	61	96	134	171	203	231	274	317	365	429
30°	53	77	115	156	191	224	264	312	355	414	488
27.5°	63	93	134	175	210	244	297	343	393	460	549
25°	74	110	151	191	228	271	329	378	429	514	635
22.5°	87	126	169	207	244	299	362	423	489	574	722
20°	100	141	184	225	261	327	397	471	561	680	874
17.5°	113	155	199	243	289	356	434	522	634	782	1067
15°	125	167	214	262	315	386	472	580	715	899	1254
12.5°	135	178	229	280	338	412	505	622	782	1046	1493
10°	145	188	242	297	358	436	533	658	837	1152	1671
7.5°	152	198	255	314	376	457	558	687	885	1235	1810
5°	159	211	266	326	389	474	578	710	926	1296	1917
2.5°	165	222	275	336	399	487	594	731	965	1347	2008
0°	170	232	282	344	406	498	606	747	995	1381	2078
-2.5°	176	238	292	351	418	505	611	758	1005	1386	2064
-5°	181	241	300	355	427	509	612	762	1004	1375	2021
-7.5°	185	244	306	360	432	511	613	760	994	1352	1952
-10°	188	246	308	364	434	511	610	750	970	1308	1848
-12.5°	192	249	308	366	433	508	602	734	933	1241	1715
-15°	194	250	308	366	431	503	589	710	883	1152	1549
-17.5°	196	250	307	363	427	495	572	682	838	1073	1431
-20°	195	250	305	357	423	486	560	660	799	998	1286

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CATALOG NUMBER: GFLD-SA4B-735-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°	193	248	302	352	414	477	546	634	751	914	1147
-25°	189	245	299	349	405	467	528	605	707	852	1045
-27.5°	183	240	292	343	395	455	513	583	672	783	938
-30°	174	233	285	336	387	442	498	557	635	732	857
-32.5°	165	225	276	326	377	430	482	537	604	684	781
-35°	159	215	266	314	364	415	466	517	572	643	727
-37.5°	155	205	257	302	349	399	448	496	547	603	679
-40°	150	194	246	291	334	382	429	475	522	579	637
-42.5°	143	187	234	280	321	365	410	454	502	553	608
-45°	137	178	223	265	307	349	392	433	479	528	579
-47.5°	130	168	211	249	289	331	373	414	454	500	549
-50°	120	156	196	232	268	310	351	393	433	471	514
-52.5°	111	143	180	216	249	284	326	369	408	447	484
-55°	100	130	164	199	232	263	299	342	381	419	458
-57.5°	92	117	148	181	214	246	279	315	354	391	428
-60°	84	105	131	162	195	226	259	292	327	363	396
-62.5°	76	95	116	141	172	203	234	265	299	329	359
-65°	69	84	102	123	147	175	205	235	265	292	318
-67.5°	61	74	88	104	125	149	173	200	228	254	279
-70°	53	64	76	90	105	125	147	169	191	214	238
-72.5°	44	54	65	76	89	106	123	140	160	180	200
-75°	36	44	53	63	74	87	101	117	132	148	165
-77.5°	28	35	42	50	58	69	80	92	105	117	130
-80°	22	26	32	39	45	53	60	69	78	88	99
-82.5°	17	21	24	28	33	38	43	49	56	63	71
-85°	12	14	17	19	22	24	28	31	35	40	45
-87.5°	6	7	8	10	11	12	13	15	17	19	21
-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	1	1	1	2	3	3	3	3
60°	11	8	11	14	13	10	15	17	15	13	13
57.5°	29	31	36	42	46	49	53	57	60	62	64
55°	53	64	75	80	89	103	115	116	118	121	128
52.5°	85	98	103	113	131	142	148	157	167	178	186
50°	124	134	147	163	180	191	194	211	232	249	259
47.5°	163	177	199	227	242	254	272	294	316	341	360
45°	199	224	253	278	297	318	342	369	405	439	464
42.5°	240	268	298	327	348	383	424	456	508	553	581
40°	288	316	358	394	437	482	552	617	682	758	813
37.5°	345	389	448	505	570	637	762	890	995	1141	1223
35°	415	482	566	651	755	915	1098	1345	1602	1817	2023
32.5°	495	581	696	849	1023	1280	1555	2011	2455	2898	3334
30°	573	699	875	1084	1371	1778	2296	3000	3763	4431	5035
27.5°	678	856	1085	1398	1885	2482	3438	4416	5387	6254	6877
25°	805	1043	1367	1885	2589	3579	4860	6059	7199	8049	8765
22.5°	988	1345	1805	2465	3741	5119	6652	8160	9440	10511	11217
20°	1214	1697	2466	3663	5164	6887	8860	10446	12023	13228	14305
17.5°	1535	2304	3390	4910	6703	9002	11033	12802	14804	16036	17134
15°	1823	2812	4360	6299	8400	10836	13232	15398	17331	18685	19912
12.5°	2188	3352	5131	7412	9711	12422	14912	17232	19125	20518	21377
10°	2514	3905	5902	8287	10860	13693	16274	18689	20522	21599	22231
7.5°	2778	4365	6526	9036	11752	14604	17330	19727	21481	22382	22813
5°	2982	4706	7015	9649	12471	15389	18171	20517	21995	22740	22981
2.5°	3136	4943	7344	10054	12957	15969	18810	21122	22382	22920	22999
0°	3239	5110	7557	10308	13373	16177	19155	21503	22702	23133	23174
-2.5°	3215	5050	7548	10216	13325	16270	19210	21527	22810	23390	23484
-5°	3150	4908	7298	9954	12946	15896	18700	21146	22720	23596	23984
-7.5°	3023	4662	6870	9455	12332	15285	18144	20682	22494	23725	24484
-10°	2808	4303	6322	8823	11659	14472	17299	19933	21884	23366	24423
-12.5°	2515	3817	5654	7928	10778	13405	16081	18605	20735	22563	23655
-15°	2212	3310	4961	7040	9522	12109	14582	17058	19160	20870	22232
-17.5°	1996	2866	4157	5977	8156	10610	13023	15298	17195	18802	20231
-20°	1723	2369	3392	4922	6841	8986	11297	13321	15015	16522	17887



REPORT NUMBER: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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°	1506	2029	2767	3812	5535	7427	9317	11182	12774	14116	15281
-25°	1309	1676	2253	3102	4223	5857	7449	9024	10494	11741	12790
-27.5°	1153	1446	1830	2435	3285	4239	5634	6950	8214	9355	10344
-30°	1012	1231	1532	1910	2489	3197	4037	5020	6029	6929	7828
-32.5°	911	1067	1274	1555	1879	2386	2893	3555	4193	4850	5495
-35°	821	946	1086	1274	1496	1792	2127	2531	2872	3302	3698
-37.5°	758	846	954	1072	1231	1396	1623	1868	2080	2319	2521
-40°	706	776	848	928	1038	1149	1295	1433	1568	1713	1822
-42.5°	663	719	771	833	898	987	1085	1171	1253	1339	1410
-45°	629	670	713	761	810	874	944	1008	1061	1109	1148
-47.5°	592	630	667	704	746	793	838	880	924	961	988
-50°	556	593	627	659	695	732	768	801	833	860	877
-52.5°	521	559	593	622	653	683	713	742	770	794	806
-55°	495	530	563	590	616	641	668	696	722	745	752
-57.5°	465	501	533	558	582	605	629	655	680	702	709
-60°	432	469	498	521	545	570	593	616	639	658	666
-62.5°	391	425	451	474	496	516	542	566	590	609	621
-65°	344	373	398	421	442	462	486	509	530	547	559
-67.5°	302	325	346	366	387	407	429	450	471	486	495
-70°	261	282	301	320	339	357	375	392	410	423	433
-72.5°	220	239	255	272	289	305	320	336	350	362	371
-75°	182	198	212	226	240	253	265	277	288	298	307
-77.5°	143	156	169	181	193	203	212	221	230	238	246
-80°	110	119	128	137	146	154	161	168	175	181	187
-82.5°	79	85	91	97	103	108	113	119	123	128	132
-85°	50	53	57	60	63	67	70	73	76	79	82
-87.5°	24	25	27	29	30	32	33	35	36	37	39
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-735-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	12	12	12	13	13	13	15	17
57.5°	62	58	54	50	54	58	62	64	62	60	57
55°	135	143	146	145	146	143	135	128	121	118	116
52.5°	193	196	195	191	195	196	193	186	178	167	157
50°	263	264	261	257	261	264	263	259	249	232	211
47.5°	370	375	378	378	378	375	370	360	341	316	294
45°	474	480	482	481	482	480	474	464	439	405	369
42.5°	597	606	609	606	609	606	597	581	553	508	456
40°	845	856	851	838	851	856	845	813	758	682	617
37.5°	1280	1322	1339	1340	1339	1322	1280	1223	1141	995	890
35°	2209	2356	2424	2339	2424	2356	2209	2023	1817	1602	1345
32.5°	3689	3951	4098	4098	4098	3951	3689	3334	2898	2455	2011
30°	5492	5820	6004	6043	6004	5820	5492	5035	4431	3763	3000
27.5°	7362	7701	7878	7852	7878	7701	7362	6877	6254	5387	4416
25°	9239	9496	9644	9648	9644	9496	9239	8765	8049	7199	6059
22.5°	12011	12552	12774	12834	12774	12552	12011	11217	10511	9440	8160
20°	15034	15558	15895	15916	15895	15558	15034	14305	13228	12023	10446
17.5°	17913	18173	18221	18243	18221	18173	17913	17134	16036	14804	12802
15°	20627	20718	20958	20989	20958	20718	20627	19912	18685	17331	15398
12.5°	21917	22000	21959	21847	21959	22000	21917	21377	20518	19125	17232
10°	22619	22502	22327	22117	22327	22502	22619	22231	21599	20522	18689
7.5°	22778	22648	22339	22034	22339	22648	22778	22813	22382	21481	19727
5°	22854	22471	22081	21710	22081	22471	22854	22981	22740	21995	20517
2.5°	22809	22354	21819	21420	21819	22354	22809	22999	22920	22382	21122
0°	22955	22494	21934	21785	21934	22494	22955	23174	23133	22702	21503
-2.5°	23360	22987	22694	22614	22694	22987	23360	23484	23390	22810	21527
-5°	24089	24006	23510	23627	23510	24006	24089	23984	23596	22720	21146
-7.5°	24793	24676	24466	24738	24466	24676	24793	24484	23725	22494	20682
-10°	24980	24942	25040	25282	25040	24942	24980	24423	23366	21884	19933
-12.5°	24406	24707	25044	25298	25044	24707	24406	23655	22563	20735	18605
-15°	23127	23742	24246	24485	24246	23742	23127	22232	20870	19160	17058
-17.5°	21242	21996	22594	22764	22594	21996	21242	20231	18802	17195	15298
-20°	18921	19689	20232	20449	20232	19689	18921	17887	16522	15015	13321



REPORT NUMBER: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16310	17059	17552	17811	17552	17059	16310	15281	14116	12774	11182
-25°	13659	14318	14755	14870	14755	14318	13659	12790	11741	10494	9024
-27.5°	11125	11654	11977	12012	11977	11654	11125	10344	9355	8214	6950
-30°	8575	9067	9346	9495	9346	9067	8575	7828	6929	6029	5020
-32.5°	6023	6413	6649	6711	6649	6413	6023	5495	4850	4193	3555
-35°	4015	4258	4408	4438	4408	4258	4015	3698	3302	2872	2531
-37.5°	2685	2803	2876	2912	2876	2803	2685	2521	2319	2080	1868
-40°	1902	1958	1989	1995	1989	1958	1902	1822	1713	1568	1433
-42.5°	1455	1483	1498	1502	1498	1483	1455	1410	1339	1253	1171
-45°	1176	1195	1207	1211	1207	1195	1176	1148	1109	1061	1008
-47.5°	1006	1018	1026	1029	1026	1018	1006	988	961	924	880
-50°	887	894	897	896	897	894	887	877	860	833	801
-52.5°	813	817	819	817	819	817	813	806	794	770	742
-55°	757	761	761	759	761	761	757	752	745	722	696
-57.5°	715	719	718	713	718	719	715	709	702	680	655
-60°	673	678	678	676	678	678	673	666	658	639	616
-62.5°	631	639	640	639	640	639	631	621	609	590	566
-65°	571	581	580	577	580	581	571	559	547	530	509
-67.5°	504	511	512	510	512	511	504	495	486	471	450
-70°	442	449	450	448	450	449	442	433	423	410	392
-72.5°	380	388	389	390	389	388	380	371	362	350	336
-75°	315	322	321	319	321	322	315	307	298	288	277
-77.5°	253	260	259	257	259	260	253	246	238	230	221
-80°	193	198	197	195	197	198	193	187	181	175	168
-82.5°	136	140	139	137	139	140	136	132	128	123	119
-85°	84	87	87	87	87	87	84	82	79	76	73
-87.5°	40	41	39	37	39	41	40	39	37	36	35
-90°	0	0	0	0	0	0	0	0	0	0	0



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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	1	1	1	1	1	1	0	1
60°	15	10	13	14	11	8	11	10	4	3	3
57.5°	53	49	46	42	36	31	29	27	25	15	6
55°	115	103	89	80	75	64	53	46	43	35	23
52.5°	148	142	131	113	103	98	85	73	62	53	42
50°	194	191	180	163	147	134	124	107	91	78	63
47.5°	272	254	242	227	199	177	163	148	126	107	90
45°	342	318	297	278	253	224	199	179	159	137	120
42.5°	424	383	348	327	298	268	240	214	188	164	145
40°	552	482	437	394	358	316	288	258	225	192	172
37.5°	762	637	570	505	448	389	345	308	269	231	201
35°	1098	915	755	651	566	482	415	365	319	275	234
32.5°	1555	1280	1023	849	696	581	495	429	365	317	274
30°	2296	1778	1371	1084	875	699	573	488	414	355	312
27.5°	3438	2482	1885	1398	1085	856	678	549	460	393	343
25°	4860	3579	2589	1885	1367	1043	805	635	514	429	378
22.5°	6652	5119	3741	2465	1805	1345	988	722	574	489	423
20°	8860	6887	5164	3663	2466	1697	1214	874	680	561	471
17.5°	11033	9002	6703	4910	3390	2304	1535	1067	782	634	522
15°	13232	10836	8400	6299	4360	2812	1823	1254	899	715	580
12.5°	14912	12422	9711	7412	5131	3352	2188	1493	1046	782	622
10°	16274	13693	10860	8287	5902	3905	2514	1671	1152	837	658
7.5°	17330	14604	11752	9036	6526	4365	2778	1810	1235	885	687
5°	18171	15389	12471	9649	7015	4706	2982	1917	1296	926	710
2.5°	18810	15969	12957	10054	7344	4943	3136	2008	1347	965	731
0°	19155	16177	13373	10308	7557	5110	3239	2078	1381	995	747
-2.5°	19210	16270	13325	10216	7548	5050	3215	2064	1386	1005	758
-5°	18700	15896	12946	9954	7298	4908	3150	2021	1375	1004	762
-7.5°	18144	15285	12332	9455	6870	4662	3023	1952	1352	994	760
-10°	17299	14472	11659	8823	6322	4303	2808	1848	1308	970	750
-12.5°	16081	13405	10778	7928	5654	3817	2515	1715	1241	933	734
-15°	14582	12109	9522	7040	4961	3310	2212	1549	1152	883	710
-17.5°	13023	10610	8156	5977	4157	2866	1996	1431	1073	838	682
-20°	11297	8986	6841	4922	3392	2369	1723	1286	998	799	660

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9317	7427	5535	3812	2767	2029	1506	1147	914	751	634
-25°	7449	5857	4223	3102	2253	1676	1309	1045	852	707	605
-27.5°	5634	4239	3285	2435	1830	1446	1153	938	783	672	583
-30°	4037	3197	2489	1910	1532	1231	1012	857	732	635	557
-32.5°	2893	2386	1879	1555	1274	1067	911	781	684	604	537
-35°	2127	1792	1496	1274	1086	946	821	727	643	572	517
-37.5°	1623	1396	1231	1072	954	846	758	679	603	547	496
-40°	1295	1149	1038	928	848	776	706	637	579	522	475
-42.5°	1085	987	898	833	771	719	663	608	553	502	454
-45°	944	874	810	761	713	670	629	579	528	479	433
-47.5°	838	793	746	704	667	630	592	549	500	454	414
-50°	768	732	695	659	627	593	556	514	471	433	393
-52.5°	713	683	653	622	593	559	521	484	447	408	369
-55°	668	641	616	590	563	530	495	458	419	381	342
-57.5°	629	605	582	558	533	501	465	428	391	354	315
-60°	593	570	545	521	498	469	432	396	363	327	292
-62.5°	542	516	496	474	451	425	391	359	329	299	265
-65°	486	462	442	421	398	373	344	318	292	265	235
-67.5°	429	407	387	366	346	325	302	279	254	228	200
-70°	375	357	339	320	301	282	261	238	214	191	169
-72.5°	320	305	289	272	255	239	220	200	180	160	140
-75°	265	253	240	226	212	198	182	165	148	132	117
-77.5°	212	203	193	181	169	156	143	130	117	105	92
-80°	161	154	146	137	128	119	110	99	88	78	69
-82.5°	113	108	103	97	91	85	79	71	63	56	49
-85°	70	67	63	60	57	53	50	45	40	35	31
-87.5°	33	32	30	29	27	25	24	21	19	17	15
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	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	3	4	4	3	3	2
57.5°	5	4	5	4	4	4	4	4	4	3	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°	48	32	18	12	9	7	5	5	4	4	4
47.5°	71	52	34	18	12	9	7	6	4	4	5
45°	98	74	51	32	18	13	9	7	5	4	5
42.5°	127	100	73	46	30	20	10	8	6	5	5
40°	153	129	96	67	44	28	17	10	8	5	6
37.5°	178	155	123	88	58	40	25	11	9	7	6
35°	205	179	150	111	77	51	35	15	12	8	6
32.5°	231	203	171	134	96	61	44	25	15	10	6
30°	264	224	191	156	115	77	53	33	18	12	7
27.5°	297	244	210	175	134	93	63	41	22	14	8
25°	329	271	228	191	151	110	74	48	28	17	10
22.5°	362	299	244	207	169	126	87	57	34	20	11
20°	397	327	261	225	184	141	100	66	40	23	12
17.5°	434	356	289	243	199	155	113	75	45	27	14
15°	472	386	315	262	214	167	125	84	49	31	15
12.5°	505	412	338	280	229	178	135	93	53	34	18
10°	533	436	358	297	242	188	145	101	60	37	21
7.5°	558	457	376	314	255	198	152	108	67	40	24
5°	578	474	389	326	266	211	159	113	74	42	28
2.5°	594	487	399	336	275	222	165	117	81	44	30
0°	606	498	406	344	282	232	170	120	87	46	33
-2.5°	611	505	418	351	292	238	176	127	91	52	34
-5°	612	509	427	355	300	241	181	132	94	57	35
-7.5°	613	511	432	360	306	244	185	137	97	62	36
-10°	610	511	434	364	308	246	188	141	100	66	37
-12.5°	602	508	433	366	308	249	192	143	102	69	37
-15°	589	503	431	366	308	250	194	145	103	70	38
-17.5°	572	495	427	363	307	250	196	144	103	69	39
-20°	560	486	423	357	305	250	195	143	103	68	41

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CATALOG NUMBER: GFLD-SA4B-735-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°	546	477	414	352	302	248	193	139	101	67	42
-25°	528	467	405	349	299	245	189	134	99	66	42
-27.5°	513	455	395	343	292	240	183	131	96	64	42
-30°	498	442	387	336	285	233	174	127	94	63	41
-32.5°	482	430	377	326	276	225	165	122	91	63	40
-35°	466	415	364	314	266	215	159	116	88	61	39
-37.5°	448	399	349	302	257	205	155	114	85	58	38
-40°	429	382	334	291	246	194	150	112	81	55	37
-42.5°	410	365	321	280	234	187	143	108	77	52	35
-45°	392	349	307	265	223	178	137	103	73	50	33
-47.5°	373	331	289	249	211	168	130	97	67	47	33
-50°	351	310	268	232	196	156	120	89	64	45	31
-52.5°	326	284	249	216	180	143	111	82	61	43	30
-55°	299	263	232	199	164	130	100	77	57	41	28
-57.5°	279	246	214	181	148	117	92	71	53	38	26
-60°	259	226	195	162	131	105	84	65	50	36	25
-62.5°	234	203	172	141	116	95	76	60	45	33	23
-65°	205	175	147	123	102	84	69	54	41	30	22
-67.5°	173	149	125	104	88	74	61	48	36	27	19
-70°	147	125	105	90	76	64	53	41	31	24	17
-72.5°	123	106	89	76	65	54	44	34	27	20	15
-75°	101	87	74	63	53	44	36	28	22	16	13
-77.5°	80	69	58	50	42	35	28	22	18	14	12
-80°	60	53	45	39	32	26	22	18	15	12	10
-82.5°	43	38	33	28	24	21	17	15	12	10	8
-85°	28	24	22	19	17	14	12	10	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: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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	1	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°	4	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°	6	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°	7	6	4	4	3	0	0
25°	8	6	4	4	3	0	0
22.5°	8	7	4	4	3	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°	9	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°	12	8	4	4	4	0	0
-2.5°	15	9	4	4	4	0	0
-5°	17	9	5	4	4	0	0
-7.5°	19	9	5	4	4	0	0
-10°	20	10	5	4	4	0	0
-12.5°	22	10	6	4	4	0	0
-15°	23	10	6	4	4	1	0
-17.5°	23	10	6	4	4	1	0
-20°	24	11	6	4	4	1	0

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REPORT NUMBER: P627336 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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	11	6	4	4	1	0
-27.5°	24	12	6	4	4	1	0
-30°	23	13	6	4	4	1	0
-32.5°	22	13	6	4	4	1	0
-35°	23	13	7	4	3	1	0
-37.5°	23	14	7	4	3	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°	21	13	7	5	3	1	0
-50°	21	13	8	5	3	1	0
-52.5°	20	13	8	5	3	1	0
-55°	19	12	8	5	3	1	0
-57.5°	18	12	7	5	4	1	0
-60°	17	11	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	8	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)