

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-MR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627194 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-727-U-MR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N4 WITH VISOR
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17009.4 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 59972.2 candela
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V
Beam Lumens: 8504.9 lumens
Beam Efficiency: 50.0%

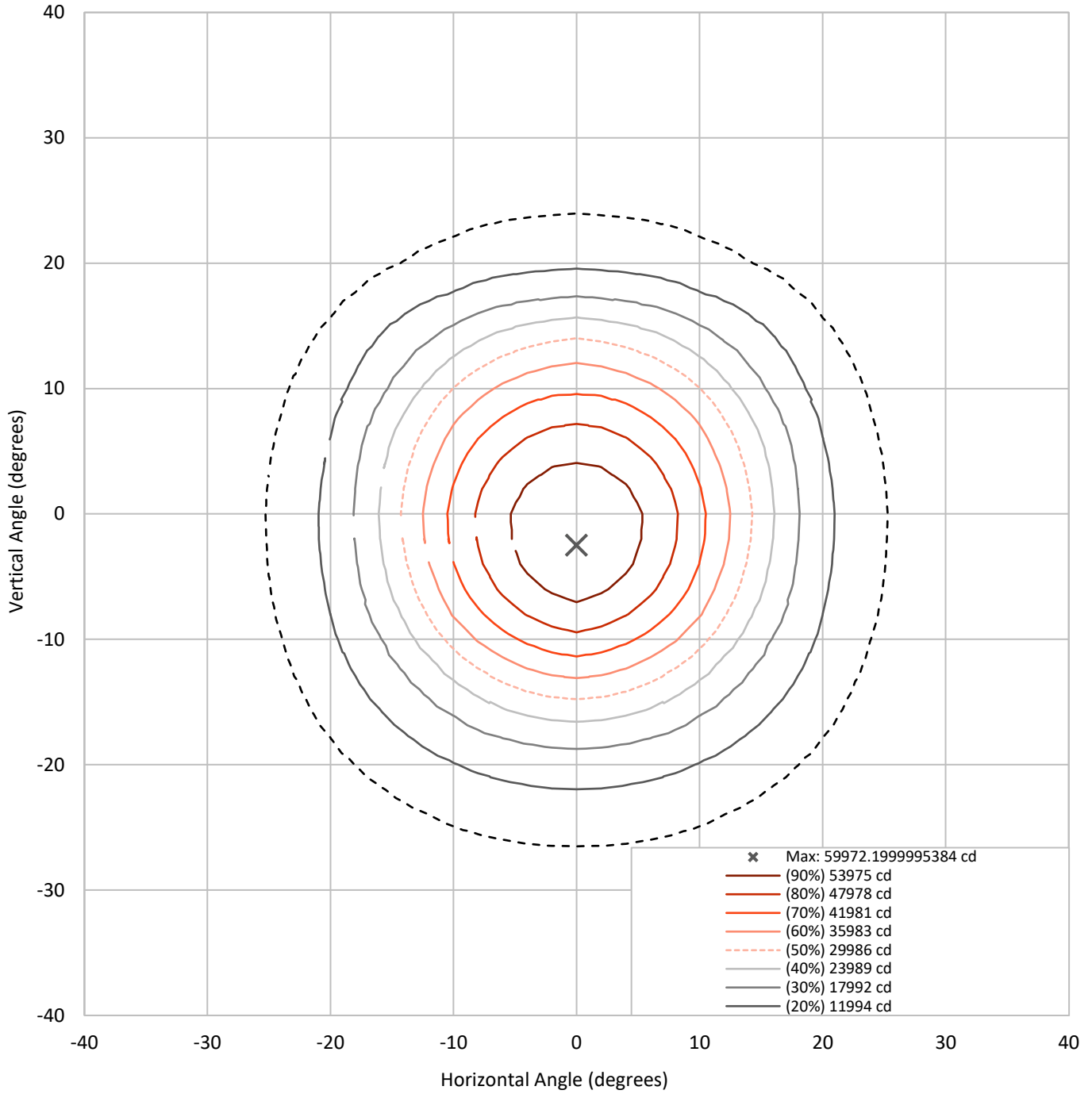
Field Angle (10%): 50.2°H x 50.4°V
Field Lumens: 14614.3 lumens
Field Efficiency: 85.9%

Input Watts (W): 160.2
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: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





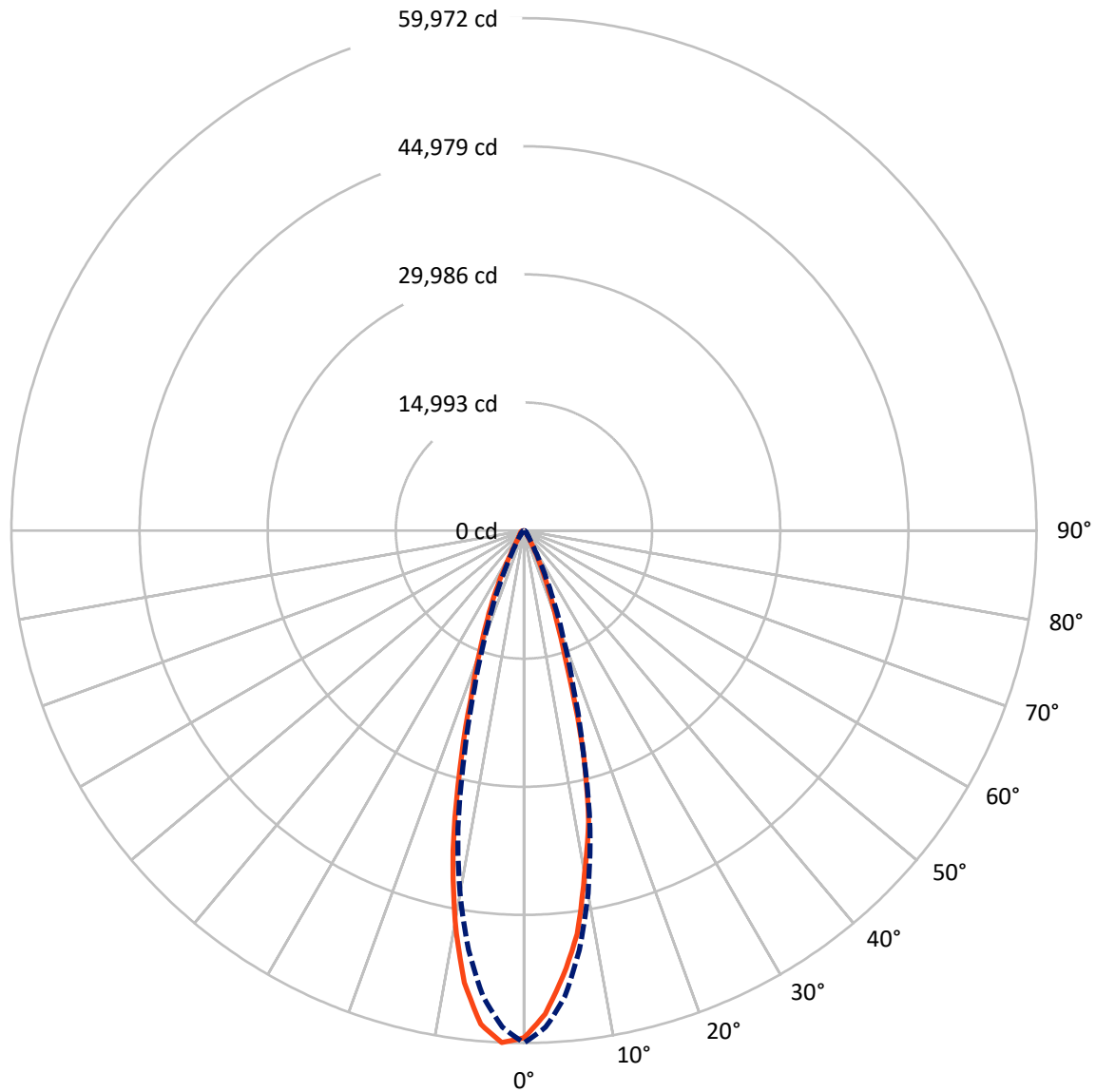
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Lumen Table

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	0.0	0.0		
70																			
60	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	0.0			
50		0.0	0.1	0.5	1.2	1.9	2.7	3.2	3.2	2.7	1.9	1.2	0.5	0.1	0.0				
40	0.0	0.1	0.6	1.9	3.6	5.5	7.7	9.1	9.1	7.7	5.5	3.6	1.9	0.6	0.1	0.0			
30		0.3	1.4	3.6	6.7	11.0	18.4	24.5	24.5	18.4	11.0	6.7	3.6	1.4	0.3				
20	0.1	0.5	2.3	5.6	10.6	25.7	80.7	148.1	148.1	80.7	25.7	10.6	5.6	2.3	0.5	0.1			
10		0.8	3.2	7.6	18.1	88.6	360.2	705.3	705.3	360.2	88.6	18.1	7.6	3.2	0.8				
0	0.2	1.1	3.8	9.0	26.0	168.8	727.3	1425.6	1425.6	727.3	168.8	26.0	9.0	3.8	1.1	0.2			
-10		1.2	4.2	9.5	27.7	176.9	746.3	1511.7	1511.7	746.3	176.9	27.7	9.5	4.2	1.2				
-20	0.3	1.3	4.3	9.3	22.8	108.6	412.7	800.0	800.0	412.7	108.6	22.8	9.3	4.3	1.3	0.3			
-30		1.3	4.1	8.5	16.7	42.2	127.8	228.0	228.0	127.8	42.2	16.7	8.5	4.1	1.3				
-40	0.3	1.1	3.6	7.3	12.7	20.8	34.0	45.5	45.5	34.0	20.8	12.7	7.3	3.6	1.1	0.3			
-50		0.9	3.0	6.1	10.0	14.3	18.9	21.2	21.2	18.9	14.3	10.0	6.1	3.0	0.9				
-60	0.2	0.7	2.3	4.7	7.8	10.9	13.6	14.8	14.8	13.6	10.9	7.8	4.7	2.3	0.7	0.2			
-70		0.4	1.4	3.1	5.2	7.4	9.3	10.3	10.3	9.3	7.4	5.2	3.1	1.4	0.4				
-80	0.1	1.1	5.0	10.8	13.7	10.8	5.0	1.1	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

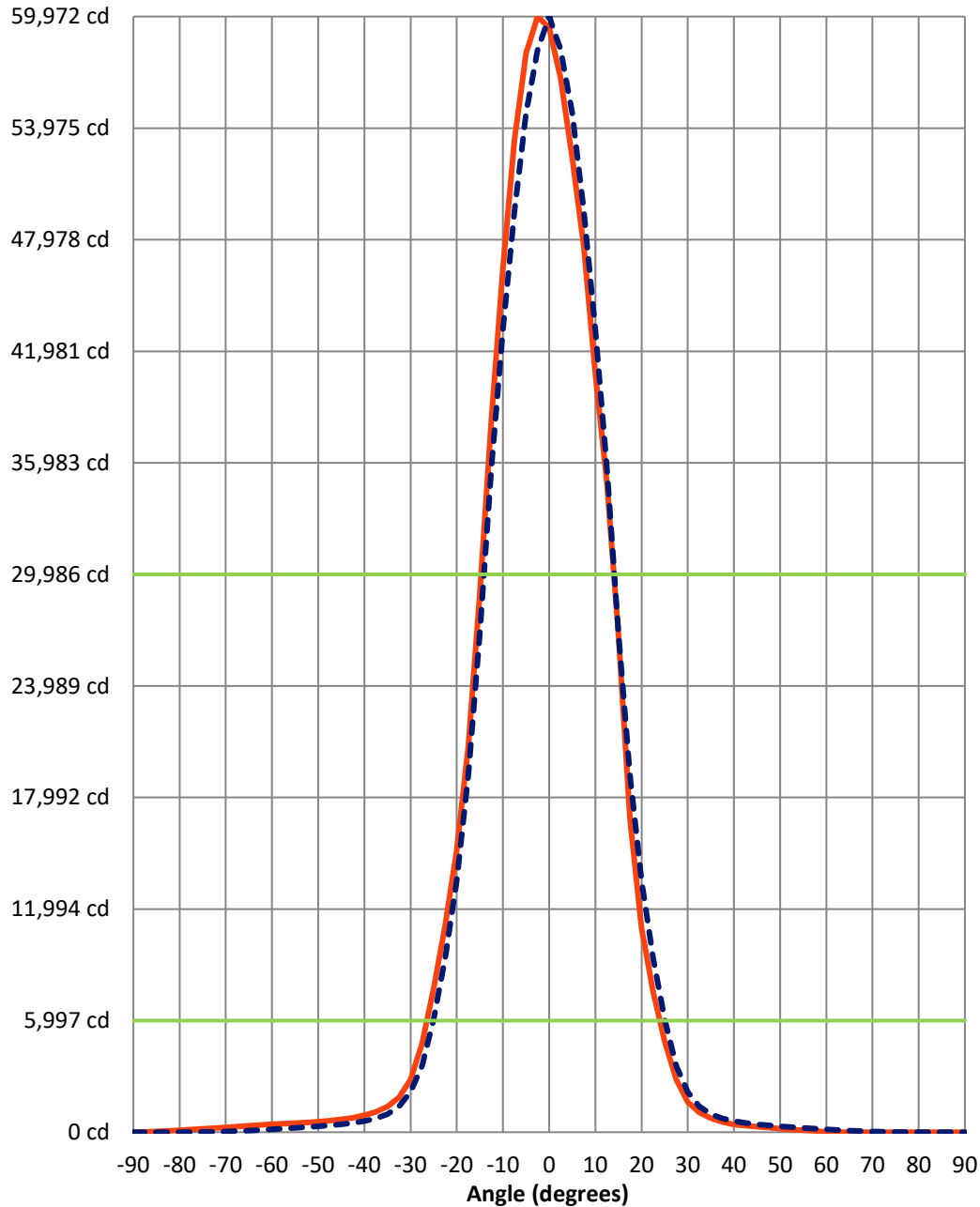


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -2.5-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 28.2°
 V Angle: 28.7°
 Lumens: 8504.9
 Efficiency: 50.0%

Field:
 H Angle: 50.2°
 V Angle: 50.4°
 Lumens: 14614.3
 Efficiency: 85.9%

Spill:
 Lumens: 2395.2
 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	0
60°	0	0	0	0	0	0	0	0	0	1	1
57.5°	0	0	0	0	0	0	0	0	1	2	1
55°	0	0	0	0	0	0	0	0	2	2	2
52.5°	0	0	0	0	0	0	1	1	3	3	2
50°	0	0	0	0	0	0	1	2	4	3	3
47.5°	0	0	0	0	0	1	2	3	4	3	3
45°	0	0	0	0	0	1	2	4	4	3	4
42.5°	0	0	0	0	0	2	3	4	4	4	6
40°	0	0	0	0	0	2	3	4	4	4	9
37.5°	0	0	0	0	1	3	3	4	5	6	12
35°	0	0	0	0	1	3	4	4	6	9	16
32.5°	0	0	0	0	1	3	4	4	7	13	21
30°	0	0	0	0	2	3	4	4	9	16	25
27.5°	0	0	0	0	2	4	4	5	11	19	30
25°	0	0	0	0	2	4	4	7	13	23	35
22.5°	0	0	0	0	3	4	4	8	16	27	42
20°	0	0	0	0	3	4	4	9	18	31	49
17.5°	0	0	0	0	3	4	4	11	21	35	54
15°	0	0	0	0	3	4	4	13	23	40	60
12.5°	0	0	0	0	3	4	5	15	25	44	64
10°	0	0	0	0	4	4	5	17	27	48	69
7.5°	0	0	0	0	4	4	6	18	29	51	73
5°	0	0	0	0	4	4	7	20	31	55	77
2.5°	0	0	0	0	4	4	7	21	33	58	80
0°	0	0	0	0	4	4	8	23	34	60	83
-2.5°	0	0	0	0	4	4	9	23	37	63	86
-5°	0	0	0	0	4	5	10	24	40	64	87
-7.5°	0	0	0	1	4	5	12	24	43	66	89
-10°	0	0	0	1	4	5	13	24	45	67	90
-12.5°	0	0	0	1	4	6	14	24	46	68	92
-15°	0	0	0	1	4	6	15	24	46	69	94
-17.5°	0	0	0	1	4	6	15	25	46	69	95
-20°	0	0	0	2	4	6	15	26	45	69	94

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Scaled Data Report



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-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	6	16	27	44	68	93
-25°	0	0	0	2	4	6	16	28	43	67	91
-27.5°	0	0	0	2	4	7	16	28	42	65	89
-30°	0	0	0	2	4	7	16	28	41	63	86
-32.5°	0	0	0	2	4	8	15	28	41	60	82
-35°	0	0	0	1	5	8	15	27	41	58	78
-37.5°	0	0	0	1	5	8	15	27	40	55	76
-40°	0	0	0	1	5	8	15	26	38	54	74
-42.5°	0	0	0	1	5	8	15	25	37	52	71
-45°	0	0	0	1	5	8	14	24	36	50	68
-47.5°	0	0	0	1	4	8	13	23	34	47	64
-50°	0	0	0	1	4	8	13	21	32	44	60
-52.5°	0	0	0	1	4	8	12	20	30	42	55
-55°	0	0	0	1	4	7	12	18	28	38	51
-57.5°	0	0	0	1	3	7	11	17	25	35	46
-60°	0	0	0	1	3	6	10	15	22	31	42
-62.5°	0	0	0	1	3	6	9	14	20	28	37
-65°	0	0	0	1	3	5	8	12	18	25	32
-67.5°	0	0	0	1	2	5	8	11	15	22	28
-70°	0	0	0	1	2	4	7	10	14	19	25
-72.5°	0	0	0	1	2	4	6	9	12	16	21
-75°	0	0	0	1	2	3	6	7	9	13	17
-77.5°	0	0	0	1	2	3	5	6	8	10	12
-80°	0	0	0	0	1	2	4	5	6	7	9
-82.5°	0	0	0	0	1	2	3	3	4	5	6
-85°	0	0	0	0	1	1	2	2	3	3	3
-87.5°	0	0	0	0	0	1	1	1	1	1	2
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	1	1	0	1	1
60°	0	0	1	1	1	2	2	3	3	4	8
57.5°	0	1	2	2	3	4	6	7	12	17	21
55°	1	2	3	3	5	9	12	19	25	33	40
52.5°	2	4	4	6	11	16	24	33	43	50	57
50°	4	4	5	12	19	27	39	51	60	67	78
47.5°	5	6	11	19	29	42	57	68	76	90	105
45°	7	11	18	29	42	59	73	83	97	113	130
42.5°	10	17	27	38	58	75	88	102	118	136	153
40°	15	23	36	53	74	90	106	122	139	160	178
37.5°	19	31	46	68	88	107	125	144	164	186	207
35°	24	40	59	81	102	125	145	166	191	215	239
32.5°	30	49	70	93	117	141	164	191	217	243	273
30°	39	58	80	106	130	156	185	215	241	271	303
27.5°	47	67	91	117	143	171	206	236	264	296	331
25°	55	76	102	128	156	188	225	256	286	321	363
22.5°	63	85	113	137	168	206	244	278	312	347	396
20°	70	95	124	150	181	222	262	301	340	384	439
17.5°	77	104	134	164	197	239	281	324	368	422	490
15°	84	113	145	177	213	255	299	347	398	461	538
12.5°	90	121	155	189	226	270	316	365	424	500	596
10°	96	127	164	199	238	283	330	381	445	526	639
7.5°	101	134	173	209	249	295	342	395	462	549	673
5°	106	141	179	216	257	304	352	407	476	566	701
2.5°	110	146	185	222	263	309	358	414	485	583	722
0°	113	151	189	227	268	313	362	419	491	597	736
-2.5°	117	156	193	231	273	317	367	424	497	601	740
-5°	120	160	196	235	277	320	369	426	501	601	741
-7.5°	122	163	199	237	280	322	371	428	502	600	741
-10°	123	164	201	240	282	324	371	427	500	594	729
-12.5°	125	165	202	241	283	325	370	423	493	582	705
-15°	127	165	202	240	282	324	367	417	482	568	675
-17.5°	127	164	201	238	280	323	362	410	471	552	653
-20°	127	164	199	235	277	319	359	405	462	533	624

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REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	126	162	196	231	271	313	353	397	449	509	591
-25°	124	160	194	228	266	305	346	386	436	494	563
-27.5°	121	157	190	224	259	297	337	377	422	474	535
-30°	117	153	186	219	253	289	326	365	406	455	510
-32.5°	111	147	180	212	247	281	314	352	392	434	483
-35°	106	141	173	205	239	272	303	337	375	415	457
-37.5°	103	134	166	196	229	261	291	322	357	395	433
-40°	99	127	158	188	217	249	279	307	338	376	412
-42.5°	94	121	150	179	207	236	267	294	323	357	392
-45°	90	116	142	170	198	224	252	281	309	339	372
-47.5°	86	109	135	160	187	214	238	266	295	323	352
-50°	80	103	126	149	175	202	227	251	277	306	333
-52.5°	74	95	117	138	162	187	213	237	260	285	312
-55°	66	86	107	127	148	171	196	221	245	267	290
-57.5°	60	77	96	116	135	155	179	202	225	248	271
-60°	54	68	85	104	123	141	161	183	205	226	247
-62.5°	48	60	74	90	108	127	145	164	184	202	221
-65°	42	52	64	78	93	109	127	145	163	177	192
-67.5°	36	45	55	66	79	92	106	122	138	152	165
-70°	31	37	45	55	65	76	89	101	114	126	139
-72.5°	26	31	37	43	53	63	73	82	93	104	114
-75°	21	26	30	36	42	50	58	67	76	84	93
-77.5°	16	20	24	28	33	39	45	52	59	66	73
-80°	12	15	18	22	25	29	33	38	43	48	54
-82.5°	8	10	13	16	18	20	22	25	29	32	36
-85°	4	6	7	9	10	11	13	14	16	18	21
-87.5°	2	3	4	4	5	5	5	5	6	7	8
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	3	4	4	5	5	5	5	5	5
60°	10	9	14	17	17	13	19	21	20	18	17
57.5°	27	33	38	40	45	53	55	54	55	57	64
55°	46	51	55	63	71	78	83	87	92	97	102
52.5°	63	72	78	86	96	102	105	115	125	132	136
50°	90	99	109	119	129	138	146	156	169	182	190
47.5°	118	129	142	158	169	177	187	201	218	234	243
45°	144	158	173	188	201	213	227	245	262	278	290
42.5°	167	183	200	216	227	246	267	285	306	326	341
40°	195	209	234	251	266	286	316	343	368	392	407
37.5°	227	252	279	300	320	345	386	427	459	492	514
35°	266	296	329	352	382	429	480	536	593	638	678
32.5°	303	336	370	407	453	518	583	673	756	842	922
30°	336	373	414	462	536	628	733	870	1020	1169	1339
27.5°	371	412	461	537	649	773	968	1185	1494	1743	2144
25°	409	456	522	642	798	1017	1357	1744	2383	2929	3545
22.5°	455	526	621	772	1031	1425	1954	2797	3779	4691	5560
20°	512	609	769	1010	1381	1988	2991	4269	5635	6969	8260
17.5°	587	741	970	1312	1839	3115	4607	6433	8771	10528	12193
15°	656	849	1197	1751	2742	4384	6469	9266	12414	15060	18054
12.5°	737	971	1389	2108	3525	5695	8353	11689	15414	19431	24121
10°	807	1095	1634	2622	4341	6867	9846	13761	18546	24231	30158
7.5°	862	1199	1838	3008	5029	7829	11382	16144	22204	28848	35607
5°	904	1280	1998	3311	5614	8609	12503	18029	24936	32562	39283
2.5°	937	1336	2105	3497	6009	9143	13269	19031	26608	34987	42044
0°	963	1371	2164	3629	6193	9395	13624	19436	27392	36175	43433
-2.5°	972	1389	2167	3583	6081	9380	13541	19187	26851	35703	43138
-5°	975	1380	2112	3488	5883	9043	12999	18245	25201	33504	41038
-7.5°	968	1343	2001	3254	5438	8449	12242	16846	22548	29869	37656
-10°	942	1278	1851	2937	4826	7522	11063	14953	19508	25485	31795
-12.5°	895	1182	1644	2462	4105	6473	9609	13048	16598	20525	25716
-15°	838	1083	1475	2174	3437	5371	7911	10815	13761	16769	19935
-17.5°	795	998	1302	1790	2639	4203	6233	8568	10958	13346	15478
-20°	741	895	1133	1513	2129	3055	4582	6398	8184	10131	11766

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REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-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°	692	824	1002	1241	1655	2307	3178	4456	5813	7227	8569
-25°	647	746	887	1079	1327	1714	2289	2957	3910	4780	5777
-27.5°	608	691	787	929	1116	1329	1682	2072	2571	2986	3651
-30°	571	637	716	807	945	1107	1296	1533	1777	2022	2341
-32.5°	536	591	653	727	812	933	1051	1203	1337	1484	1636
-35°	502	551	602	661	726	806	894	995	1084	1172	1252
-37.5°	472	514	558	604	657	712	782	853	912	970	1019
-40°	447	482	519	557	599	644	698	750	791	828	859
-42.5°	425	455	484	517	552	593	635	675	702	728	749
-45°	403	429	456	483	511	547	583	614	636	656	671
-47.5°	380	404	428	452	480	509	537	561	580	597	608
-50°	358	381	403	423	448	473	498	518	535	549	557
-52.5°	336	358	380	401	421	441	460	479	496	511	517
-55°	314	336	356	375	395	414	431	448	463	478	482
-57.5°	293	316	336	352	369	386	403	419	434	447	451
-60°	269	292	310	325	341	357	372	387	401	414	420
-62.5°	241	261	278	293	307	321	335	348	361	372	378
-65°	207	225	241	256	269	281	294	306	317	325	330
-67.5°	178	191	205	218	231	244	255	265	275	282	287
-70°	150	162	174	186	198	209	219	228	237	243	248
-72.5°	125	135	146	157	167	177	185	193	201	206	211
-75°	101	110	119	128	138	145	152	159	165	170	174
-77.5°	81	87	94	101	108	114	119	125	130	133	137
-80°	60	65	70	75	80	84	89	93	97	100	104
-82.5°	40	44	48	52	57	59	61	63	65	68	70
-85°	23	26	28	31	33	35	37	38	40	41	43
-87.5°	9	10	11	13	14	14	14	14	15	16	17
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-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°	5	4	4	4	4	4	5	5	5	5	5
60°	16	15	15	15	15	15	16	17	18	20	21
57.5°	70	75	78	79	78	75	70	64	57	55	54
55°	107	111	111	110	111	111	107	102	97	92	87
52.5°	138	139	138	136	138	139	138	136	132	125	115
50°	192	191	192	193	192	191	192	190	182	169	156
47.5°	247	250	251	249	251	250	247	243	234	218	201
45°	295	299	300	298	300	299	295	290	278	262	245
42.5°	347	349	350	351	350	349	347	341	326	306	285
40°	415	417	417	415	417	417	415	407	392	368	343
37.5°	530	538	542	551	542	538	530	514	492	459	427
35°	709	729	739	755	739	729	709	678	638	593	536
32.5°	980	1019	1040	1061	1040	1019	980	922	842	756	673
30°	1456	1534	1566	1624	1566	1534	1456	1339	1169	1020	870
27.5°	2438	2623	2695	2847	2695	2623	2438	2144	1743	1494	1185
25°	4106	4504	4724	4898	4724	4504	4106	3545	2929	2383	1744
22.5°	6438	7022	7333	7564	7333	7022	6438	5560	4691	3779	2797
20°	9429	10199	10659	10992	10659	10199	9429	8260	6969	5635	4269
17.5°	14331	15541	16249	16857	16249	15541	14331	12193	10528	8771	6433
15°	21394	23826	25716	26769	25716	23826	21394	18054	15060	12414	9266
12.5°	28266	31828	33944	34918	33944	31828	28266	24121	19431	15414	11689
10°	35062	38420	40434	40790	40434	38420	35062	30158	24231	18546	13761
7.5°	40264	43958	46633	47605	46633	43958	40264	35607	28848	22204	16144
5°	44860	49184	52016	52375	52016	49184	44860	39283	32562	24936	18029
2.5°	48240	52941	55687	56630	55687	52941	48240	42044	34987	26608	19031
0°	49875	54939	57993	59368	57993	54939	49875	43433	36175	27392	19436
-2.5°	49531	54768	58178	59972	58178	54768	49531	43138	35703	26851	19187
-5°	47648	52900	56080	57986	56080	52900	47648	41038	33504	25201	18245
-7.5°	43305	48217	51601	53360	51601	48217	43305	37656	29869	22548	16846
-10°	37708	41866	44951	46450	44951	41866	37708	31795	25485	19508	14953
-12.5°	30436	34469	37252	38312	37252	34469	30436	25716	20525	16598	13048
-15°	23320	26397	28375	29001	28375	26397	23320	19935	16769	13761	10815
-17.5°	17685	19342	20454	20754	20454	19342	17685	15478	13346	10958	8568
-20°	13249	14276	14998	15169	14998	14276	13249	11766	10131	8184	6398

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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°	9654	10426	11008	11124	11008	10426	9654	8569	7227	5813	4456
-25°	6659	7304	7700	7730	7700	7304	6659	5777	4780	3910	2957
-27.5°	4175	4529	4712	4777	4712	4529	4175	3651	2986	2571	2072
-30°	2580	2743	2829	2832	2829	2743	2580	2341	2022	1777	1533
-32.5°	1751	1830	1873	1873	1873	1830	1751	1636	1484	1337	1203
-35°	1312	1353	1376	1378	1376	1353	1312	1252	1172	1084	995
-37.5°	1055	1077	1089	1091	1089	1077	1055	1019	970	912	853
-40°	882	898	907	914	907	898	882	859	828	791	750
-42.5°	763	773	778	774	778	773	763	749	728	702	675
-45°	680	686	689	691	689	686	680	671	656	636	614
-47.5°	613	616	618	619	618	616	613	608	597	580	561
-50°	561	564	564	563	564	564	561	557	549	535	518
-52.5°	519	520	521	521	521	520	519	517	511	496	479
-55°	485	486	487	487	487	486	485	482	478	463	448
-57.5°	455	459	459	457	459	459	455	451	447	434	419
-60°	424	428	430	431	430	428	424	420	414	401	387
-62.5°	383	386	388	389	388	386	383	378	372	361	348
-65°	334	338	343	347	343	338	334	330	325	317	306
-67.5°	290	293	298	302	298	293	290	287	282	275	265
-70°	252	255	256	257	256	255	252	248	243	237	228
-72.5°	215	218	219	219	219	218	215	211	206	201	193
-75°	177	180	181	181	181	180	177	174	170	165	159
-77.5°	140	143	143	144	143	143	140	137	133	130	125
-80°	106	109	107	106	107	109	106	104	100	97	93
-82.5°	73	75	74	72	74	75	73	70	68	65	63
-85°	44	45	43	42	43	45	44	43	41	40	38
-87.5°	18	19	17	15	17	19	18	17	16	15	14
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-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°	5	5	4	4	3	2	1	1	1	0	1
60°	19	13	17	17	14	9	10	8	4	3	3
57.5°	55	53	45	40	38	33	27	21	17	12	7
55°	83	78	71	63	55	51	46	40	33	25	19
52.5°	105	102	96	86	78	72	63	57	50	43	33
50°	146	138	129	119	109	99	90	78	67	60	51
47.5°	187	177	169	158	142	129	118	105	90	76	68
45°	227	213	201	188	173	158	144	130	113	97	83
42.5°	267	246	227	216	200	183	167	153	136	118	102
40°	316	286	266	251	234	209	195	178	160	139	122
37.5°	386	345	320	300	279	252	227	207	186	164	144
35°	480	429	382	352	329	296	266	239	215	191	166
32.5°	583	518	453	407	370	336	303	273	243	217	191
30°	733	628	536	462	414	373	336	303	271	241	215
27.5°	968	773	649	537	461	412	371	331	296	264	236
25°	1357	1017	798	642	522	456	409	363	321	286	256
22.5°	1954	1425	1031	772	621	526	455	396	347	312	278
20°	2991	1988	1381	1010	769	609	512	439	384	340	301
17.5°	4607	3115	1839	1312	970	741	587	490	422	368	324
15°	6469	4384	2742	1751	1197	849	656	538	461	398	347
12.5°	8353	5695	3525	2108	1389	971	737	596	500	424	365
10°	9846	6867	4341	2622	1634	1095	807	639	526	445	381
7.5°	11382	7829	5029	3008	1838	1199	862	673	549	462	395
5°	12503	8609	5614	3311	1998	1280	904	701	566	476	407
2.5°	13269	9143	6009	3497	2105	1336	937	722	583	485	414
0°	13624	9395	6193	3629	2164	1371	963	736	597	491	419
-2.5°	13541	9380	6081	3583	2167	1389	972	740	601	497	424
-5°	12999	9043	5883	3488	2112	1380	975	741	601	501	426
-7.5°	12242	8449	5438	3254	2001	1343	968	741	600	502	428
-10°	11063	7522	4826	2937	1851	1278	942	729	594	500	427
-12.5°	9609	6473	4105	2462	1644	1182	895	705	582	493	423
-15°	7911	5371	3437	2174	1475	1083	838	675	568	482	417
-17.5°	6233	4203	2639	1790	1302	998	795	653	552	471	410
-20°	4582	3055	2129	1513	1133	895	741	624	533	462	405

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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°	3178	2307	1655	1241	1002	824	692	591	509	449	397
-25°	2289	1714	1327	1079	887	746	647	563	494	436	386
-27.5°	1682	1329	1116	929	787	691	608	535	474	422	377
-30°	1296	1107	945	807	716	637	571	510	455	406	365
-32.5°	1051	933	812	727	653	591	536	483	434	392	352
-35°	894	806	726	661	602	551	502	457	415	375	337
-37.5°	782	712	657	604	558	514	472	433	395	357	322
-40°	698	644	599	557	519	482	447	412	376	338	307
-42.5°	635	593	552	517	484	455	425	392	357	323	294
-45°	583	547	511	483	456	429	403	372	339	309	281
-47.5°	537	509	480	452	428	404	380	352	323	295	266
-50°	498	473	448	423	403	381	358	333	306	277	251
-52.5°	460	441	421	401	380	358	336	312	285	260	237
-55°	431	414	395	375	356	336	314	290	267	245	221
-57.5°	403	386	369	352	336	316	293	271	248	225	202
-60°	372	357	341	325	310	292	269	247	226	205	183
-62.5°	335	321	307	293	278	261	241	221	202	184	164
-65°	294	281	269	256	241	225	207	192	177	163	145
-67.5°	255	244	231	218	205	191	178	165	152	138	122
-70°	219	209	198	186	174	162	150	139	126	114	101
-72.5°	185	177	167	157	146	135	125	114	104	93	82
-75°	152	145	138	128	119	110	101	93	84	76	67
-77.5°	119	114	108	101	94	87	81	73	66	59	52
-80°	89	84	80	75	70	65	60	54	48	43	38
-82.5°	61	59	57	52	48	44	40	36	32	29	25
-85°	37	35	33	31	28	26	23	21	18	16	14
-87.5°	14	14	14	13	11	10	9	8	7	6	5
-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	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0	0	0	0	0
60°	2	2	1	1	1	0	0	1	1	0	0
57.5°	6	4	3	2	2	1	0	1	2	1	0
55°	12	9	5	3	3	2	1	2	2	2	0
52.5°	24	16	11	6	4	4	2	2	3	3	1
50°	39	27	19	12	5	4	4	3	3	4	2
47.5°	57	42	29	19	11	6	5	3	3	4	3
45°	73	59	42	29	18	11	7	4	3	4	4
42.5°	88	75	58	38	27	17	10	6	4	4	4
40°	106	90	74	53	36	23	15	9	4	4	4
37.5°	125	107	88	68	46	31	19	12	6	5	4
35°	145	125	102	81	59	40	24	16	9	6	4
32.5°	164	141	117	93	70	49	30	21	13	7	4
30°	185	156	130	106	80	58	39	25	16	9	4
27.5°	206	171	143	117	91	67	47	30	19	11	5
25°	225	188	156	128	102	76	55	35	23	13	7
22.5°	244	206	168	137	113	85	63	42	27	16	8
20°	262	222	181	150	124	95	70	49	31	18	9
17.5°	281	239	197	164	134	104	77	54	35	21	11
15°	299	255	213	177	145	113	84	60	40	23	13
12.5°	316	270	226	189	155	121	90	64	44	25	15
10°	330	283	238	199	164	127	96	69	48	27	17
7.5°	342	295	249	209	173	134	101	73	51	29	18
5°	352	304	257	216	179	141	106	77	55	31	20
2.5°	358	309	263	222	185	146	110	80	58	33	21
0°	362	313	268	227	189	151	113	83	60	34	23
-2.5°	367	317	273	231	193	156	117	86	63	37	23
-5°	369	320	277	235	196	160	120	87	64	40	24
-7.5°	371	322	280	237	199	163	122	89	66	43	24
-10°	371	324	282	240	201	164	123	90	67	45	24
-12.5°	370	325	283	241	202	165	125	92	68	46	24
-15°	367	324	282	240	202	165	127	94	69	46	24
-17.5°	362	323	280	238	201	164	127	95	69	46	25
-20°	359	319	277	235	199	164	127	94	69	45	26

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REPORT NUMBER: P627194 (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°
-22.5°	353	313	271	231	196	162	126	93	68	44	27
-25°	346	305	266	228	194	160	124	91	67	43	28
-27.5°	337	297	259	224	190	157	121	89	65	42	28
-30°	326	289	253	219	186	153	117	86	63	41	28
-32.5°	314	281	247	212	180	147	111	82	60	41	28
-35°	303	272	239	205	173	141	106	78	58	41	27
-37.5°	291	261	229	196	166	134	103	76	55	40	27
-40°	279	249	217	188	158	127	99	74	54	38	26
-42.5°	267	236	207	179	150	121	94	71	52	37	25
-45°	252	224	198	170	142	116	90	68	50	36	24
-47.5°	238	214	187	160	135	109	86	64	47	34	23
-50°	227	202	175	149	126	103	80	60	44	32	21
-52.5°	213	187	162	138	117	95	74	55	42	30	20
-55°	196	171	148	127	107	86	66	51	38	28	18
-57.5°	179	155	135	116	96	77	60	46	35	25	17
-60°	161	141	123	104	85	68	54	42	31	22	15
-62.5°	145	127	108	90	74	60	48	37	28	20	14
-65°	127	109	93	78	64	52	42	32	25	18	12
-67.5°	106	92	79	66	55	45	36	28	22	15	11
-70°	89	76	65	55	45	37	31	25	19	14	10
-72.5°	73	63	53	43	37	31	26	21	16	12	9
-75°	58	50	42	36	30	26	21	17	13	9	7
-77.5°	45	39	33	28	24	20	16	12	10	8	6
-80°	33	29	25	22	18	15	12	9	7	6	5
-82.5°	22	20	18	16	13	10	8	6	5	4	3
-85°	13	11	10	9	7	6	4	3	3	3	2
-87.5°	5	5	5	4	4	3	2	2	1	1	1
-90°	0	0	0	0	0	0	0	0	0	0	0

Classified

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

Scaled Data Report



REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	2	1	0	0	0	0	0
45°	2	1	0	0	0	0	0
42.5°	3	2	0	0	0	0	0
40°	3	2	0	0	0	0	0
37.5°	3	3	1	0	0	0	0
35°	4	3	1	0	0	0	0
32.5°	4	3	1	0	0	0	0
30°	4	3	2	0	0	0	0
27.5°	4	4	2	0	0	0	0
25°	4	4	2	0	0	0	0
22.5°	4	4	3	0	0	0	0
20°	4	4	3	0	0	0	0
17.5°	4	4	3	0	0	0	0
15°	4	4	3	0	0	0	0
12.5°	5	4	3	0	0	0	0
10°	5	4	4	0	0	0	0
7.5°	6	4	4	0	0	0	0
5°	7	4	4	0	0	0	0
2.5°	7	4	4	0	0	0	0
0°	8	4	4	0	0	0	0
-2.5°	9	4	4	0	0	0	0
-5°	10	5	4	0	0	0	0
-7.5°	12	5	4	1	0	0	0
-10°	13	5	4	1	0	0	0
-12.5°	14	6	4	1	0	0	0
-15°	15	6	4	1	0	0	0
-17.5°	15	6	4	1	0	0	0
-20°	15	6	4	2	0	0	0

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REPORT NUMBER: P627194 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)