

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: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-727-U-MR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627254 (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-SA3E-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: 18844.7 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 66442.9 candela
Max Intensity Angle: 0°H x -2.5°V

Beam Angle (50%): 28.2°H x 28.7°V
Beam Lumens: 9422.5 lumens
Beam Efficiency: 50.0%

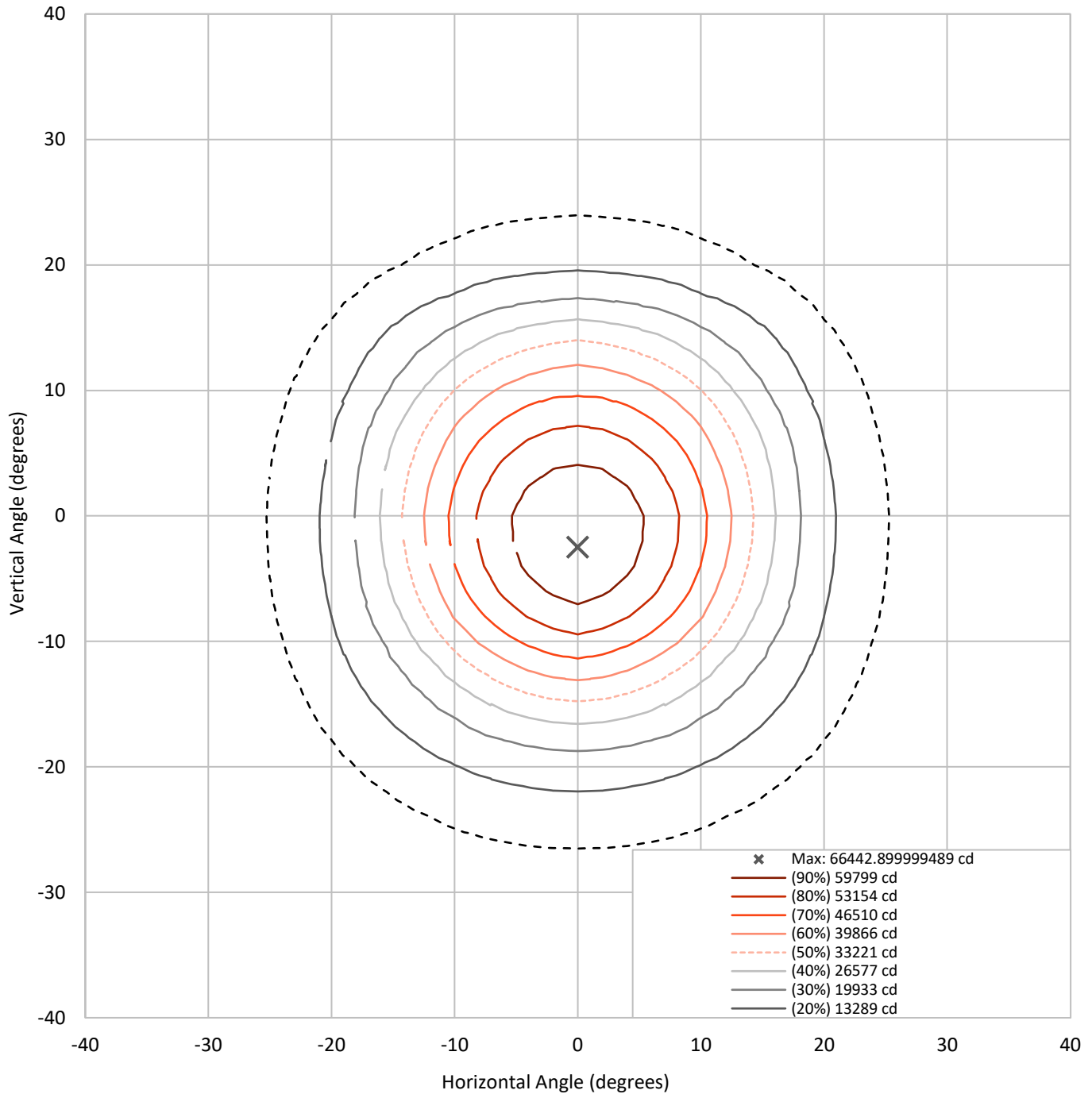
Field Angle (10%): 50.2°H x 50.4°V
Field Lumens: 16191.1 lumens
Field Efficiency: 85.9%

Input Watts (W): 185.2
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: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





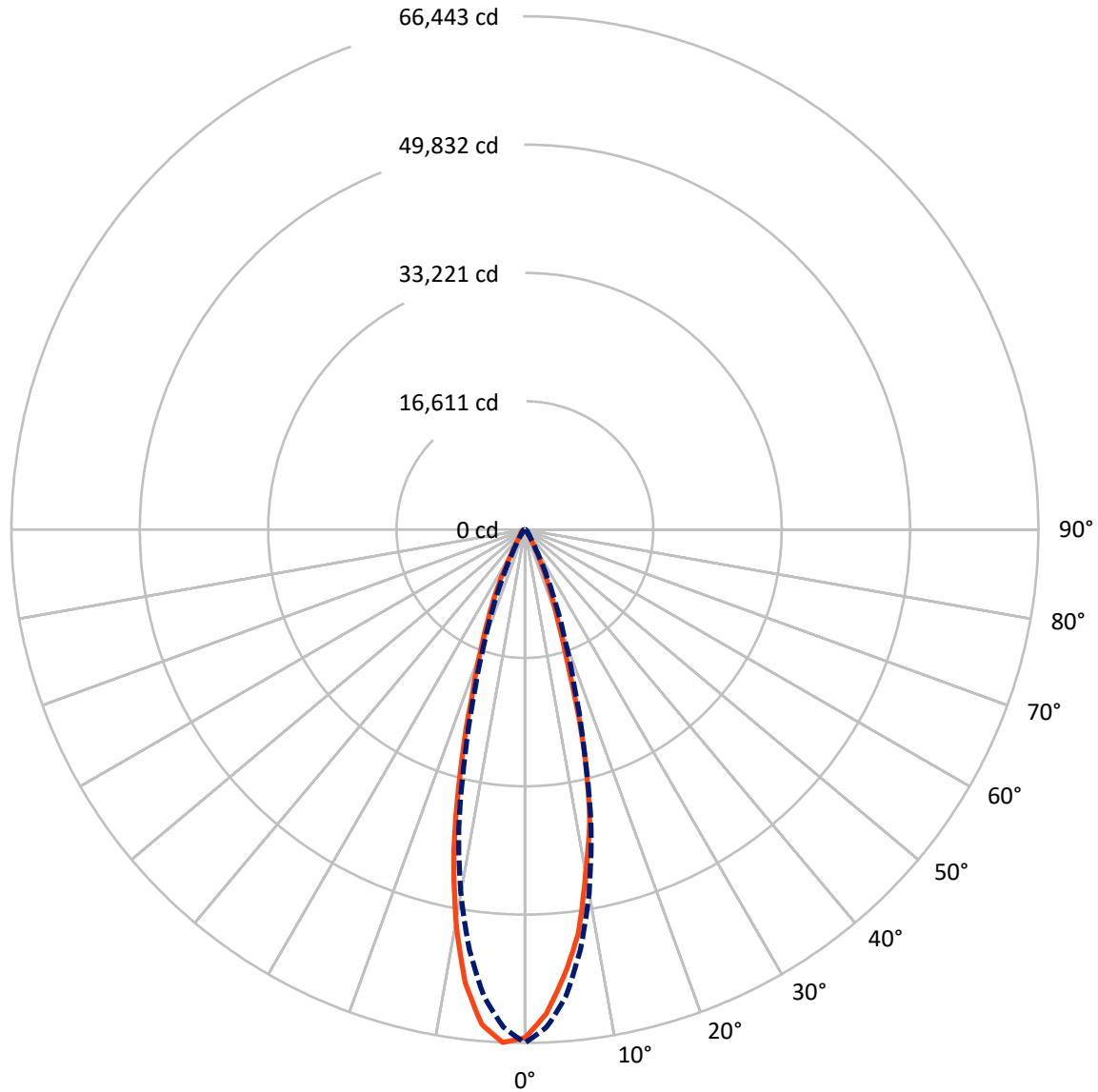
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Lumen Table

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	1.3	2.2	3.0	3.6	3.6	3.0	2.2	1.3	0.5	0.1	0.0				
40	0.1	0.1	0.6	2.1	4.0	6.1	8.6	10.0	10.0	8.6	6.1	4.0	2.1	0.6	0.1	0.1			
30		0.3	1.6	4.0	7.4	12.2	20.3	27.1	27.1	20.3	12.2	7.4	4.0	1.6	0.3				
20	0.1	0.6	2.5	6.2	11.7	28.5	89.4	164.0	164.0	89.4	28.5	11.7	6.2	2.5	0.6	0.1			
10		0.9	3.5	8.4	20.0	98.2	399.1	781.4	781.4	399.1	98.2	20.0	8.4	3.5	0.9				
0	0.3	1.2	4.3	10.0	28.8	187.1	805.8	1579.4	1579.4	805.8	187.1	28.8	10.0	4.3	1.2	0.3			
-10		1.4	4.6	10.5	30.7	196.0	826.8	1674.8	1674.8	826.8	196.0	30.7	10.5	4.6	1.4				
-20	0.4	1.4	4.7	10.3	25.3	120.3	457.2	886.3	886.3	457.2	120.3	25.3	10.3	4.7	1.4	0.4			
-30		1.4	4.5	9.4	18.5	46.7	141.6	252.6	252.6	141.6	46.7	18.5	9.4	4.5	1.4				
-40	0.3	1.2	4.0	8.1	14.1	23.1	37.6	50.4	50.4	37.6	23.1	14.1	8.1	4.0	1.2	0.3			
-50		1.0	3.3	6.7	11.1	15.9	20.9	23.5	23.5	20.9	15.9	11.1	6.7	3.3	1.0				
-60	0.2	0.8	2.5	5.3	8.7	12.1	15.1	16.4	16.4	15.1	12.1	8.7	5.3	2.5	0.8	0.2			
-70		0.5	1.6	3.4	5.8	8.2	10.3	11.4	11.4	10.3	8.2	5.8	3.4	1.6	0.5				
-80	0.1	1.2	5.6	12.0	15.2	12.0	5.6	1.2	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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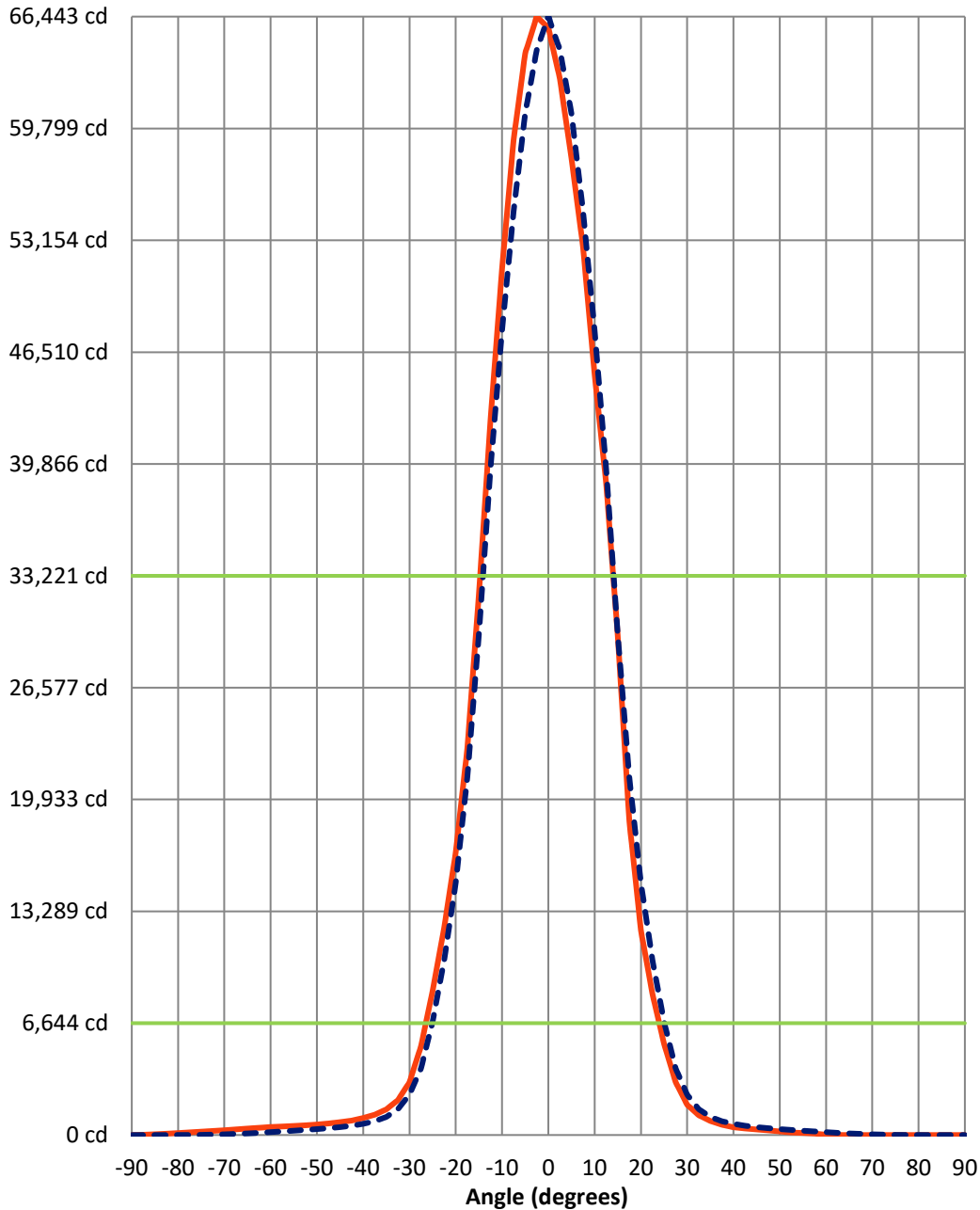
Luminous Intensity Polar Plot



— 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: 9422.5
Efficiency: 50.0%

Field:
H Angle: 50.2°
V Angle: 50.4°
Lumens: 16191.1
Efficiency: 85.9%

Spill:
Lumens: 2653.6
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	1
55°	0	0	0	0	0	0	0	0	2	3	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	4
45°	0	0	0	0	0	1	2	4	4	4	4
42.5°	0	0	0	0	0	2	3	4	4	4	7
40°	0	0	0	0	0	2	3	4	4	4	10
37.5°	0	0	0	0	1	3	4	4	5	6	14
35°	0	0	0	0	1	3	4	4	6	10	18
32.5°	0	0	0	0	1	4	4	4	8	14	23
30°	0	0	0	0	2	4	4	4	9	18	28
27.5°	0	0	0	0	2	4	4	6	12	21	33
25°	0	0	0	0	3	4	4	7	15	25	39
22.5°	0	0	0	0	3	4	4	9	18	30	47
20°	0	0	0	0	3	4	4	10	20	35	54
17.5°	0	0	0	0	3	4	4	12	23	39	60
15°	0	0	0	0	4	4	5	14	25	44	66
12.5°	0	0	0	0	4	4	5	16	28	48	71
10°	0	0	0	0	4	4	6	18	30	53	76
7.5°	0	0	0	0	4	4	7	20	32	57	81
5°	0	0	0	0	4	4	7	22	34	61	85
2.5°	0	0	0	0	4	4	8	24	36	64	89
0°	0	0	0	0	4	4	8	25	38	67	92
-2.5°	0	0	0	0	4	5	10	26	41	69	95
-5°	0	0	0	1	4	5	12	26	45	71	97
-7.5°	0	0	0	1	4	6	13	26	48	73	98
-10°	0	0	0	1	4	6	14	26	50	74	100
-12.5°	0	0	0	1	4	6	15	27	51	75	102
-15°	0	0	0	1	4	6	16	27	51	76	104
-17.5°	0	0	0	2	4	7	17	28	51	77	105
-20°	0	0	0	2	4	7	17	29	50	76	105

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REPORT NUMBER: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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	7	17	30	49	75	103
-25°	0	0	0	2	4	7	17	31	48	74	100
-27.5°	0	0	0	2	4	8	17	31	46	72	98
-30°	0	0	0	2	4	8	17	31	46	69	95
-32.5°	0	0	0	2	5	8	17	31	46	67	91
-35°	0	0	0	2	5	8	17	30	45	64	87
-37.5°	0	0	0	1	5	9	17	30	44	61	84
-40°	0	0	0	1	6	9	17	29	43	59	82
-42.5°	0	0	0	1	5	9	16	28	41	58	79
-45°	0	0	0	1	5	9	16	26	40	55	75
-47.5°	0	0	0	1	5	9	15	25	38	52	71
-50°	0	0	0	1	5	9	14	24	36	49	67
-52.5°	0	0	0	1	4	8	14	22	33	46	61
-55°	0	0	0	1	4	8	13	20	31	42	57
-57.5°	0	0	0	1	3	8	12	18	28	39	52
-60°	0	0	0	1	3	7	11	17	25	35	46
-62.5°	0	0	0	1	3	6	10	15	22	31	41
-65°	0	0	0	1	3	6	9	13	20	27	36
-67.5°	0	0	0	1	3	5	9	12	17	24	32
-70°	0	0	0	1	3	5	8	11	15	21	27
-72.5°	0	0	0	1	2	4	7	10	13	17	23
-75°	0	0	0	1	2	4	6	8	10	14	18
-77.5°	0	0	0	1	2	3	5	7	8	11	14
-80°	0	0	0	1	1	3	4	5	6	8	10
-82.5°	0	0	0	0	1	2	3	4	4	5	6
-85°	0	0	0	0	1	1	2	3	3	3	4
-87.5°	0	0	0	0	0	1	1	1	1	2	2
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627254 (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°
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	4	4	9
57.5°	1	1	2	2	3	5	7	8	13	19	23
55°	1	3	3	4	6	10	14	21	28	37	44
52.5°	3	4	4	7	12	18	27	37	48	56	63
50°	4	5	5	13	21	30	43	57	67	75	86
47.5°	6	6	13	21	32	46	63	75	84	100	117
45°	8	12	20	32	46	66	81	92	108	126	144
42.5°	11	19	30	42	64	83	97	113	131	151	170
40°	16	25	40	59	82	100	118	136	154	177	198
37.5°	22	35	51	75	98	118	139	159	182	206	230
35°	26	44	65	89	113	138	160	184	211	238	265
32.5°	34	54	77	103	129	156	181	212	240	270	303
30°	43	65	89	117	144	173	205	238	267	300	336
27.5°	52	74	101	130	158	189	228	261	293	328	367
25°	61	85	113	142	173	208	250	284	317	356	402
22.5°	70	94	125	152	186	228	270	308	346	385	438
20°	78	105	137	167	200	246	290	333	377	426	486
17.5°	86	116	149	182	219	264	311	359	407	467	542
15°	93	125	160	196	236	282	331	384	441	511	596
12.5°	100	134	171	209	251	299	350	404	470	554	660
10°	107	141	182	221	264	313	365	422	493	583	708
7.5°	112	149	192	232	275	326	379	438	512	608	746
5°	117	156	199	240	284	336	390	451	527	627	777
2.5°	122	162	205	246	291	343	397	459	537	646	800
0°	125	167	209	251	297	347	402	464	544	661	816
-2.5°	129	173	214	256	303	352	406	469	551	665	820
-5°	133	177	218	260	307	354	409	471	555	666	821
-7.5°	135	180	220	263	310	357	411	474	557	665	821
-10°	136	182	223	265	312	359	411	473	554	658	807
-12.5°	139	183	224	266	313	360	409	469	546	645	781
-15°	140	183	224	266	313	359	406	461	534	629	747
-17.5°	141	182	223	264	310	357	401	454	522	611	724
-20°	141	181	221	260	306	353	397	449	511	590	692

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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°	140	180	218	256	301	346	391	440	498	564	655
-25°	138	178	215	253	294	338	383	428	483	547	624
-27.5°	134	174	211	248	287	329	373	417	467	526	592
-30°	129	169	206	242	281	320	361	405	450	504	565
-32.5°	123	163	199	235	273	311	348	390	434	480	535
-35°	118	156	192	227	265	301	336	373	416	460	506
-37.5°	114	148	184	217	253	289	322	357	395	438	480
-40°	110	140	175	208	240	276	309	340	375	416	457
-42.5°	105	134	166	198	229	262	295	325	358	396	434
-45°	100	128	157	188	219	248	279	311	343	376	412
-47.5°	95	121	150	177	207	237	264	294	327	358	390
-50°	89	114	140	166	194	223	252	278	307	339	369
-52.5°	82	106	129	153	179	207	236	263	288	315	345
-55°	74	96	118	141	164	190	217	245	271	296	321
-57.5°	66	85	107	128	150	172	198	224	249	275	300
-60°	60	75	94	115	136	156	178	203	227	251	274
-62.5°	53	67	82	100	120	140	161	182	204	224	244
-65°	47	58	71	86	103	121	140	160	180	197	213
-67.5°	40	49	60	73	87	102	118	135	153	169	183
-70°	34	41	50	61	72	85	98	112	126	140	153
-72.5°	29	35	41	48	58	69	80	91	103	115	127
-75°	23	28	34	39	47	55	65	74	84	93	103
-77.5°	18	22	27	31	36	43	50	58	66	73	81
-80°	13	16	20	24	28	32	37	42	47	53	60
-82.5°	9	11	14	17	19	22	24	27	32	36	40
-85°	5	6	8	10	11	13	14	15	18	20	23
-87.5°	2	3	4	5	5	5	6	6	7	8	9
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627254 (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	5	5	5	6	6	6	6
60°	11	10	16	19	19	14	21	24	23	19	19
57.5°	29	37	42	44	50	58	61	60	61	64	71
55°	51	57	61	70	78	86	92	97	102	107	113
52.5°	70	80	86	95	106	113	116	128	138	146	151
50°	99	109	121	132	143	153	161	173	187	201	210
47.5°	131	143	158	175	187	196	207	223	242	259	270
45°	160	175	192	209	222	236	252	271	291	308	321
42.5°	186	203	221	240	252	273	296	316	339	361	378
40°	216	232	259	279	295	317	351	380	408	435	451
37.5°	252	280	309	332	354	382	428	473	509	545	570
35°	295	328	365	390	423	475	532	594	657	707	751
32.5°	336	372	410	451	501	574	646	746	838	933	1021
30°	372	414	459	512	594	695	812	964	1130	1295	1483
27.5°	411	457	511	594	719	857	1073	1313	1655	1931	2375
25°	453	505	578	712	884	1126	1503	1932	2640	3245	3928
22.5°	505	583	688	855	1142	1579	2165	3098	4186	5197	6160
20°	567	674	852	1119	1530	2203	3314	4730	6242	7721	9151
17.5°	651	820	1075	1454	2037	3451	5104	7127	9718	11663	13508
15°	727	941	1326	1939	3038	4857	7167	10266	13753	16685	20002
12.5°	816	1076	1539	2335	3905	6310	9254	12950	17077	21528	26723
10°	895	1213	1810	2905	4809	7608	10908	15246	20547	26845	33411
7.5°	955	1329	2036	3333	5571	8674	12610	17886	24599	31960	39449
5°	1002	1418	2214	3668	6220	9538	13852	19974	27627	36075	43522
2.5°	1038	1480	2332	3874	6658	10129	14701	21084	29479	38762	46581
0°	1067	1519	2397	4020	6861	10409	15094	21533	30347	40078	48119
-2.5°	1077	1539	2400	3970	6737	10392	15002	21258	29748	39556	47793
-5°	1080	1528	2340	3864	6518	10019	14402	20213	27920	37119	45466
-7.5°	1072	1488	2217	3605	6025	9361	13563	18664	24981	33091	41719
-10°	1043	1416	2051	3254	5346	8334	12257	16567	21613	28234	35226
-12.5°	991	1310	1822	2728	4547	7172	10646	14456	18389	22740	28490
-15°	929	1200	1634	2409	3808	5951	8764	11982	15246	18578	22086
-17.5°	881	1105	1442	1983	2923	4656	6906	9492	12140	14786	17148
-20°	821	992	1255	1676	2359	3384	5076	7088	9067	11225	13035

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REPORT NUMBER: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	767	913	1110	1374	1834	2556	3520	4937	6440	8007	9494
-25°	716	826	982	1195	1470	1899	2536	3277	4332	5296	6400
-27.5°	673	766	872	1029	1237	1472	1863	2295	2849	3308	4045
-30°	632	706	793	895	1047	1226	1436	1698	1969	2240	2593
-32.5°	594	655	724	806	900	1034	1165	1333	1481	1644	1812
-35°	556	610	667	732	805	893	991	1102	1201	1299	1387
-37.5°	523	569	618	670	728	789	866	945	1011	1075	1129
-40°	496	534	575	617	664	714	774	831	876	917	952
-42.5°	470	504	536	573	611	657	703	747	778	807	830
-45°	447	476	505	535	567	606	646	681	705	726	743
-47.5°	421	447	474	501	532	563	595	621	642	661	673
-50°	396	422	446	469	496	524	552	574	592	609	617
-52.5°	372	397	421	444	466	488	510	531	550	567	573
-55°	348	373	394	416	437	458	478	496	513	529	534
-57.5°	325	350	373	390	408	427	446	464	480	495	500
-60°	298	323	343	361	378	396	412	428	445	459	465
-62.5°	267	290	308	324	341	356	371	386	400	412	418
-65°	230	249	267	283	298	312	326	339	351	360	366
-67.5°	197	212	227	242	256	270	282	294	305	313	317
-70°	167	179	193	206	219	231	242	253	262	269	274
-72.5°	138	150	162	174	185	196	205	214	223	229	233
-75°	112	122	132	142	152	161	168	176	183	188	192
-77.5°	89	97	104	112	119	126	132	138	144	148	152
-80°	66	72	78	83	89	94	98	103	108	111	115
-82.5°	45	49	54	58	63	65	68	70	72	75	78
-85°	26	29	31	34	37	39	41	42	44	46	47
-87.5°	10	11	13	14	15	15	16	16	16	17	19
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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	6	6	6	6
60°	18	17	17	17	17	17	18	19	19	23	24
57.5°	78	84	87	88	87	84	78	71	64	61	60
55°	119	123	123	121	123	123	119	113	107	102	97
52.5°	153	154	153	151	153	154	153	151	146	138	128
50°	213	212	212	213	212	212	213	210	201	187	173
47.5°	274	277	278	276	278	277	274	270	259	242	223
45°	327	331	332	331	332	331	327	321	308	291	271
42.5°	384	387	388	389	388	387	384	378	361	339	316
40°	459	462	462	460	462	462	459	451	435	408	380
37.5°	587	596	600	611	600	596	587	570	545	509	473
35°	786	807	819	837	819	807	786	751	707	657	594
32.5°	1085	1129	1152	1176	1152	1129	1085	1021	933	838	746
30°	1614	1700	1735	1799	1735	1700	1614	1483	1295	1130	964
27.5°	2701	2905	2986	3154	2986	2905	2701	2375	1931	1655	1313
25°	4549	4990	5234	5426	5234	4990	4549	3928	3245	2640	1932
22.5°	7133	7779	8124	8380	8124	7779	7133	6160	5197	4186	3098
20°	10447	11300	11809	12178	11809	11300	10447	9151	7721	6242	4730
17.5°	15877	17218	18002	18675	18002	17218	15877	13508	11663	9718	7127
15°	23703	26397	28491	29657	28491	26397	23703	20002	16685	13753	10266
12.5°	31316	35262	37607	38685	37607	35262	31316	26723	21528	17077	12950
10°	38845	42566	44797	45191	44797	42566	38845	33411	26845	20547	15246
7.5°	44609	48701	51665	52742	51665	48701	44609	39449	31960	24599	17886
5°	49700	54491	57628	58026	57628	54491	49700	43522	36075	27627	19974
2.5°	53444	58653	61695	62741	61695	58653	53444	46581	38762	29479	21084
0°	55256	60866	64251	65774	64251	60866	55256	48119	40078	30347	21533
-2.5°	54875	60677	64455	66443	64455	60677	54875	47793	39556	29748	21258
-5°	52789	58608	62130	64242	62130	58608	52789	45466	37119	27920	20213
-7.5°	47977	53419	57169	59118	57169	53419	47977	41719	33091	24981	18664
-10°	41777	46383	49801	51462	49801	46383	41777	35226	28234	21613	16567
-12.5°	33720	38188	41272	42446	41272	38188	33720	28490	22740	18389	14456
-15°	25836	29246	31436	32130	31436	29246	25836	22086	18578	15246	11982
-17.5°	19593	21429	22661	22993	22661	21429	19593	17148	14786	12140	9492
-20°	14679	15816	16616	16805	16616	15816	14679	13035	11225	9067	7088

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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°	10695	11550	12196	12325	12196	11550	10695	9494	8007	6440	4937
-25°	7377	8093	8531	8564	8531	8093	7377	6400	5296	4332	3277
-27.5°	4625	5018	5221	5292	5221	5018	4625	4045	3308	2849	2295
-30°	2858	3039	3135	3138	3135	3039	2858	2593	2240	1969	1698
-32.5°	1940	2028	2075	2075	2075	2028	1940	1812	1644	1481	1333
-35°	1453	1499	1524	1527	1524	1499	1453	1387	1299	1201	1102
-37.5°	1169	1194	1207	1209	1207	1194	1169	1129	1075	1011	945
-40°	977	994	1005	1012	1005	994	977	952	917	876	831
-42.5°	845	857	861	858	861	857	845	830	807	778	747
-45°	753	760	764	766	764	760	753	743	726	705	681
-47.5°	680	683	685	686	685	683	680	673	661	642	621
-50°	622	625	625	623	625	625	622	617	609	592	574
-52.5°	575	576	577	577	577	576	575	573	567	550	531
-55°	537	538	539	540	539	538	537	534	529	513	496
-57.5°	505	508	508	506	508	508	505	500	495	480	464
-60°	470	474	476	477	476	474	470	465	459	445	428
-62.5°	424	428	430	431	430	428	424	418	412	400	386
-65°	371	374	380	385	380	374	371	366	360	351	339
-67.5°	321	325	330	335	330	325	321	317	313	305	294
-70°	279	283	284	285	284	283	279	274	269	262	253
-72.5°	238	241	242	243	242	241	238	233	229	223	214
-75°	196	200	201	201	201	200	196	192	188	183	176
-77.5°	155	158	159	159	159	158	155	152	148	144	138
-80°	118	121	119	117	119	121	118	115	111	108	103
-82.5°	81	83	82	80	82	83	81	78	75	72	70
-85°	49	50	48	46	48	50	49	47	46	44	42
-87.5°	20	21	19	17	19	21	20	19	17	16	16
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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	5	4	3	2	1	1	1	0	1
60°	21	14	19	19	16	10	11	9	4	4	3
57.5°	61	58	50	44	42	37	29	23	19	13	8
55°	92	86	78	70	61	57	51	44	37	28	21
52.5°	116	113	106	95	86	80	70	63	56	48	37
50°	161	153	143	132	121	109	99	86	75	67	57
47.5°	207	196	187	175	158	143	131	117	100	84	75
45°	252	236	222	209	192	175	160	144	126	108	92
42.5°	296	273	252	240	221	203	186	170	151	131	113
40°	351	317	295	279	259	232	216	198	177	154	136
37.5°	428	382	354	332	309	280	252	230	206	182	159
35°	532	475	423	390	365	328	295	265	238	211	184
32.5°	646	574	501	451	410	372	336	303	270	240	212
30°	812	695	594	512	459	414	372	336	300	267	238
27.5°	1073	857	719	594	511	457	411	367	328	293	261
25°	1503	1126	884	712	578	505	453	402	356	317	284
22.5°	2165	1579	1142	855	688	583	505	438	385	346	308
20°	3314	2203	1530	1119	852	674	567	486	426	377	333
17.5°	5104	3451	2037	1454	1075	820	651	542	467	407	359
15°	7167	4857	3038	1939	1326	941	727	596	511	441	384
12.5°	9254	6310	3905	2335	1539	1076	816	660	554	470	404
10°	10908	7608	4809	2905	1810	1213	895	708	583	493	422
7.5°	12610	8674	5571	3333	2036	1329	955	746	608	512	438
5°	13852	9538	6220	3668	2214	1418	1002	777	627	527	451
2.5°	14701	10129	6658	3874	2332	1480	1038	800	646	537	459
0°	15094	10409	6861	4020	2397	1519	1067	816	661	544	464
-2.5°	15002	10392	6737	3970	2400	1539	1077	820	665	551	469
-5°	14402	10019	6518	3864	2340	1528	1080	821	666	555	471
-7.5°	13563	9361	6025	3605	2217	1488	1072	821	665	557	474
-10°	12257	8334	5346	3254	2051	1416	1043	807	658	554	473
-12.5°	10646	7172	4547	2728	1822	1310	991	781	645	546	469
-15°	8764	5951	3808	2409	1634	1200	929	747	629	534	461
-17.5°	6906	4656	2923	1983	1442	1105	881	724	611	522	454
-20°	5076	3384	2359	1676	1255	992	821	692	590	511	449

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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°	3520	2556	1834	1374	1110	913	767	655	564	498	440
-25°	2536	1899	1470	1195	982	826	716	624	547	483	428
-27.5°	1863	1472	1237	1029	872	766	673	592	526	467	417
-30°	1436	1226	1047	895	793	706	632	565	504	450	405
-32.5°	1165	1034	900	806	724	655	594	535	480	434	390
-35°	991	893	805	732	667	610	556	506	460	416	373
-37.5°	866	789	728	670	618	569	523	480	438	395	357
-40°	774	714	664	617	575	534	496	457	416	375	340
-42.5°	703	657	611	573	536	504	470	434	396	358	325
-45°	646	606	567	535	505	476	447	412	376	343	311
-47.5°	595	563	532	501	474	447	421	390	358	327	294
-50°	552	524	496	469	446	422	396	369	339	307	278
-52.5°	510	488	466	444	421	397	372	345	315	288	263
-55°	478	458	437	416	394	373	348	321	296	271	245
-57.5°	446	427	408	390	373	350	325	300	275	249	224
-60°	412	396	378	361	343	323	298	274	251	227	203
-62.5°	371	356	341	324	308	290	267	244	224	204	182
-65°	326	312	298	283	267	249	230	213	197	180	160
-67.5°	282	270	256	242	227	212	197	183	169	153	135
-70°	242	231	219	206	193	179	167	153	140	126	112
-72.5°	205	196	185	174	162	150	138	127	115	103	91
-75°	168	161	152	142	132	122	112	103	93	84	74
-77.5°	132	126	119	112	104	97	89	81	73	66	58
-80°	98	94	89	83	78	72	66	60	53	47	42
-82.5°	68	65	63	58	54	49	45	40	36	32	27
-85°	41	39	37	34	31	29	26	23	20	18	15
-87.5°	16	15	15	14	13	11	10	9	8	7	6
-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	1	0	0	0
60°	2	2	1	1	1	0	0	1	1	0	0
57.5°	7	5	3	2	2	1	1	1	2	1	0
55°	14	10	6	4	3	3	1	2	3	2	0
52.5°	27	18	12	7	4	4	3	2	3	3	1
50°	43	30	21	13	5	5	4	3	3	4	2
47.5°	63	46	32	21	13	6	6	4	3	4	3
45°	81	66	46	32	20	12	8	4	4	4	4
42.5°	97	83	64	42	30	19	11	7	4	4	4
40°	118	100	82	59	40	25	16	10	4	4	4
37.5°	139	118	98	75	51	35	22	14	6	5	4
35°	160	138	113	89	65	44	26	18	10	6	4
32.5°	181	156	129	103	77	54	34	23	14	8	4
30°	205	173	144	117	89	65	43	28	18	9	4
27.5°	228	189	158	130	101	74	52	33	21	12	6
25°	250	208	173	142	113	85	61	39	25	15	7
22.5°	270	228	186	152	125	94	70	47	30	18	9
20°	290	246	200	167	137	105	78	54	35	20	10
17.5°	311	264	219	182	149	116	86	60	39	23	12
15°	331	282	236	196	160	125	93	66	44	25	14
12.5°	350	299	251	209	171	134	100	71	48	28	16
10°	365	313	264	221	182	141	107	76	53	30	18
7.5°	379	326	275	232	192	149	112	81	57	32	20
5°	390	336	284	240	199	156	117	85	61	34	22
2.5°	397	343	291	246	205	162	122	89	64	36	24
0°	402	347	297	251	209	167	125	92	67	38	25
-2.5°	406	352	303	256	214	173	129	95	69	41	26
-5°	409	354	307	260	218	177	133	97	71	45	26
-7.5°	411	357	310	263	220	180	135	98	73	48	26
-10°	411	359	312	265	223	182	136	100	74	50	26
-12.5°	409	360	313	266	224	183	139	102	75	51	27
-15°	406	359	313	266	224	183	140	104	76	51	27
-17.5°	401	357	310	264	223	182	141	105	77	51	28
-20°	397	353	306	260	221	181	141	105	76	50	29

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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°	391	346	301	256	218	180	140	103	75	49	30
-25°	383	338	294	253	215	178	138	100	74	48	31
-27.5°	373	329	287	248	211	174	134	98	72	46	31
-30°	361	320	281	242	206	169	129	95	69	46	31
-32.5°	348	311	273	235	199	163	123	91	67	46	31
-35°	336	301	265	227	192	156	118	87	64	45	30
-37.5°	322	289	253	217	184	148	114	84	61	44	30
-40°	309	276	240	208	175	140	110	82	59	43	29
-42.5°	295	262	229	198	166	134	105	79	58	41	28
-45°	279	248	219	188	157	128	100	75	55	40	26
-47.5°	264	237	207	177	150	121	95	71	52	38	25
-50°	252	223	194	166	140	114	89	67	49	36	24
-52.5°	236	207	179	153	129	106	82	61	46	33	22
-55°	217	190	164	141	118	96	74	57	42	31	20
-57.5°	198	172	150	128	107	85	66	52	39	28	18
-60°	178	156	136	115	94	75	60	46	35	25	17
-62.5°	161	140	120	100	82	67	53	41	31	22	15
-65°	140	121	103	86	71	58	47	36	27	20	13
-67.5°	118	102	87	73	60	49	40	32	24	17	12
-70°	98	85	72	61	50	41	34	27	21	15	11
-72.5°	80	69	58	48	41	35	29	23	17	13	10
-75°	65	55	47	39	34	28	23	18	14	10	8
-77.5°	50	43	36	31	27	22	18	14	11	8	7
-80°	37	32	28	24	20	16	13	10	8	6	5
-82.5°	24	22	19	17	14	11	9	6	5	4	4
-85°	14	13	11	10	8	6	5	4	3	3	3
-87.5°	6	5	5	5	4	3	2	2	2	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: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	4	3	1	0	0	0	0
35°	4	3	1	0	0	0	0
32.5°	4	4	1	0	0	0	0
30°	4	4	2	0	0	0	0
27.5°	4	4	2	0	0	0	0
25°	4	4	3	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°	5	4	4	0	0	0	0
12.5°	5	4	4	0	0	0	0
10°	6	4	4	0	0	0	0
7.5°	7	4	4	0	0	0	0
5°	7	4	4	0	0	0	0
2.5°	8	4	4	0	0	0	0
0°	8	4	4	0	0	0	0
-2.5°	10	5	4	0	0	0	0
-5°	12	5	4	1	0	0	0
-7.5°	13	6	4	1	0	0	0
-10°	14	6	4	1	0	0	0
-12.5°	15	6	4	1	0	0	0
-15°	16	6	4	1	0	0	0
-17.5°	17	7	4	2	0	0	0
-20°	17	7	4	2	0	0	0

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REPORT NUMBER: P627254 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-727-U-MR-VSR-XX

CANDELA DISTRIBUTION (continued):

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