

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: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-MWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627616 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-727-U-MWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23514.6 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 32943.7 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 15750 lumens
Beam Efficiency: 67.0%

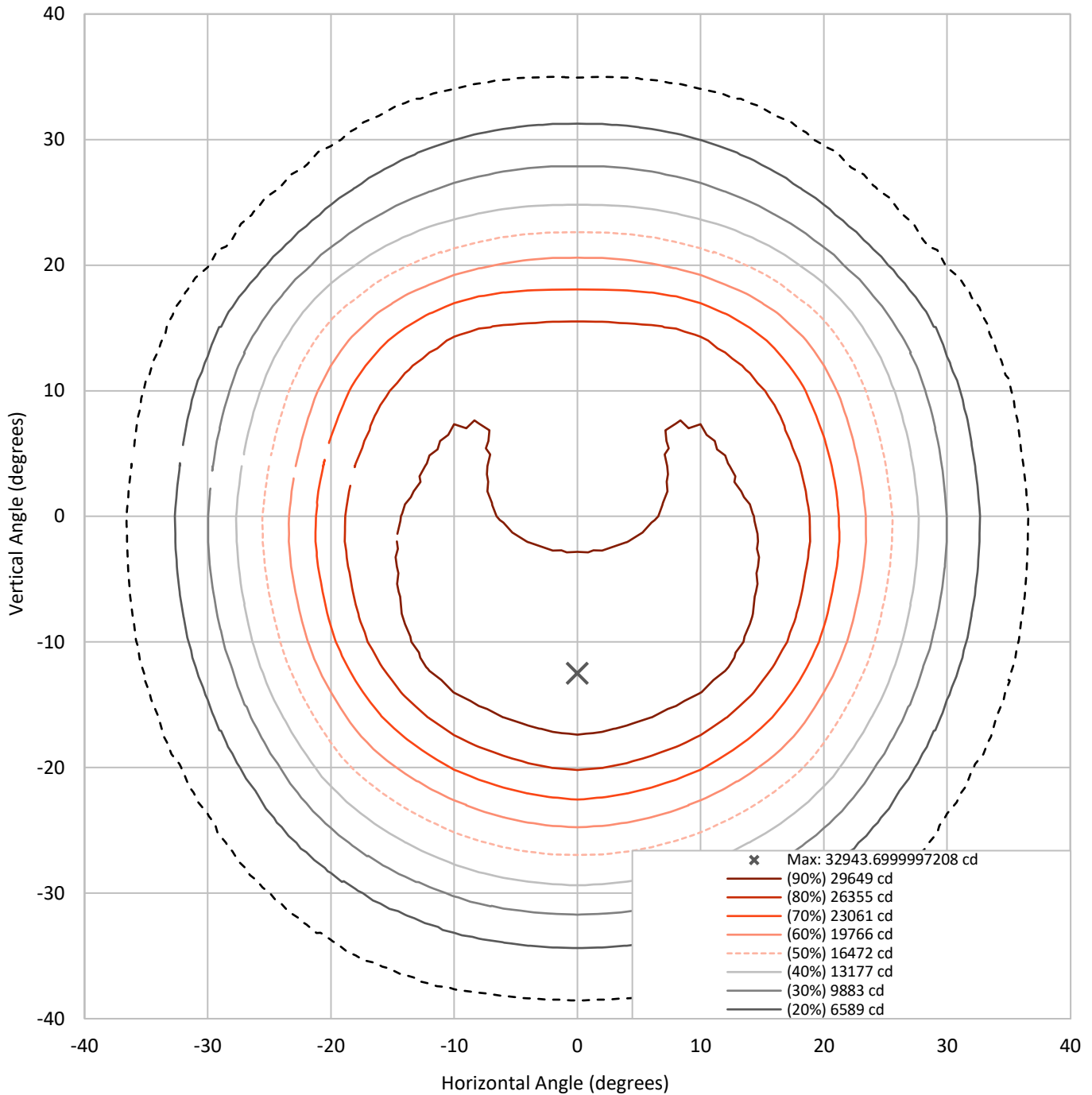
Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 21194.9 lumens
Field Efficiency: 90.1%

Input Watts (W): 206.13
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: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-MWR-VSR-XX

Iso-Candela Plot





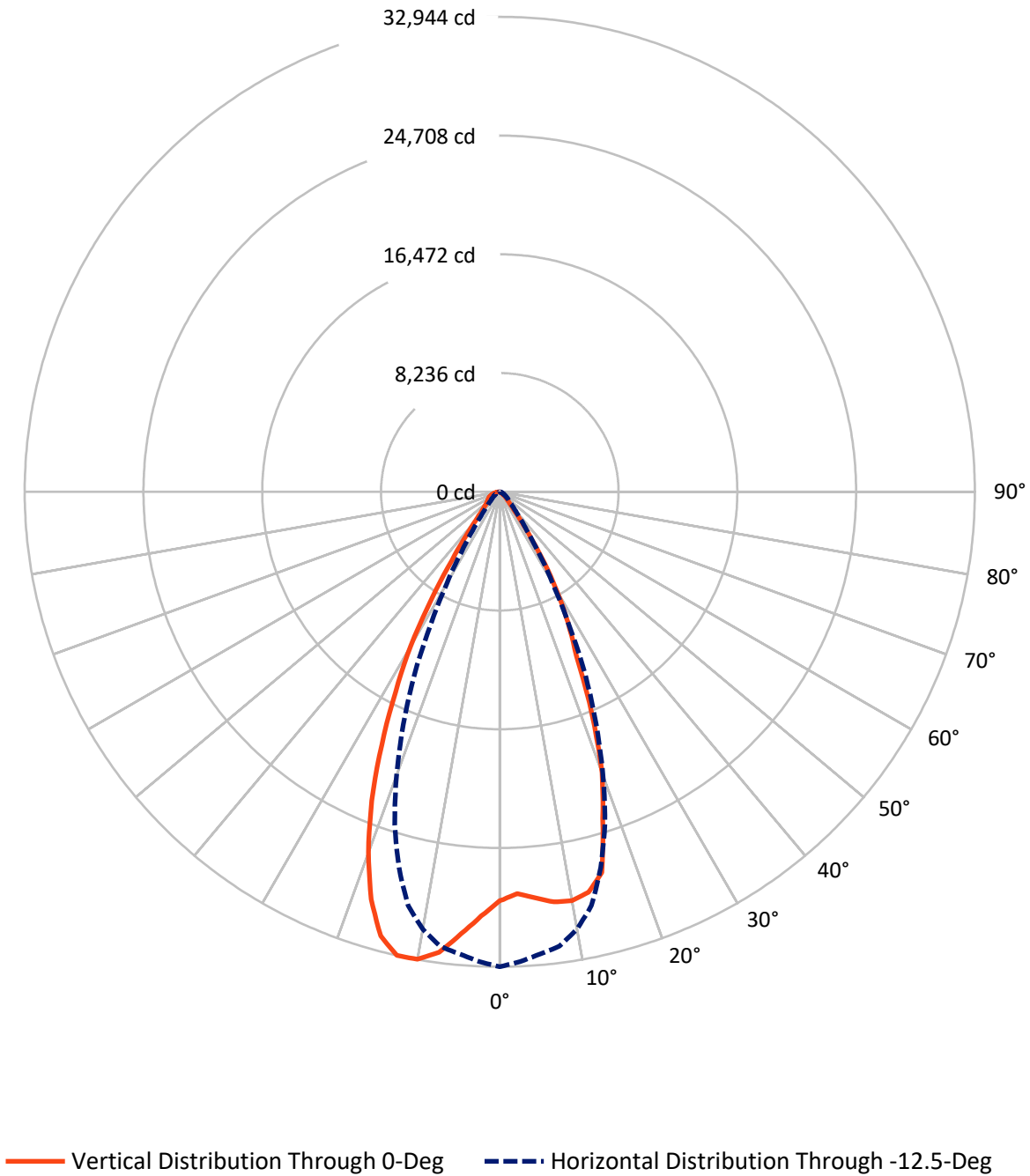
REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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		0.1	0.2	0.8	1.9	3.2	4.5	5.2	5.2	4.5	3.2	1.9	0.8	0.2	0.1				
40	0.1	0.1	0.9	3.3	6.6	10.8	16.1	19.8	19.8	16.1	10.8	6.6	3.3	0.9	0.1	0.1			
30		0.4	2.6	6.8	14.1	30.5	69.4	106.0	106.0	69.4	30.5	14.1	6.8	2.6	0.4				
20	0.3	0.9	4.4	11.0	29.5	109.3	281.5	393.4	393.4	281.5	109.3	29.5	11.0	4.4	0.9	0.3			
10		1.6	6.1	17.0	70.2	303.6	633.3	784.1	784.1	633.3	303.6	70.2	17.0	6.1	1.6				
0	0.5	2.1	7.6	21.9	111.8	447.0	816.5	885.2	885.2	816.5	447.0	111.8	21.9	7.6	2.1	0.5			
-10		2.4	8.4	23.4	117.0	461.7	845.9	939.5	939.5	845.9	461.7	117.0	23.4	8.4	2.4				
-20	0.7	2.6	8.5	21.3	83.7	343.7	713.6	911.2	911.2	713.6	343.7	83.7	21.3	8.5	2.6	0.7			
-30		2.5	8.1	17.7	46.8	166.8	397.6	559.5	559.5	397.6	166.8	46.8	17.7	8.1	2.5				
-40	0.6	2.2	7.2	14.7	27.9	59.4	124.2	184.4	184.4	124.2	59.4	27.9	14.7	7.2	2.2	0.6			
-50		1.8	6.1	12.3	20.4	30.1	42.4	50.2	50.2	42.4	30.1	20.4	12.3	6.1	1.8				
-60	0.4	1.4	4.6	9.6	16.0	22.2	27.7	30.3	30.3	27.7	22.2	16.0	9.6	4.6	1.4	0.4			
-70		0.9	2.9	6.6	11.3	15.9	20.1	22.5	22.5	20.1	15.9	11.3	6.6	2.9	0.9				
-80	0.2	2.6	11.8	25.2	32.3	25.2	11.8	2.6	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

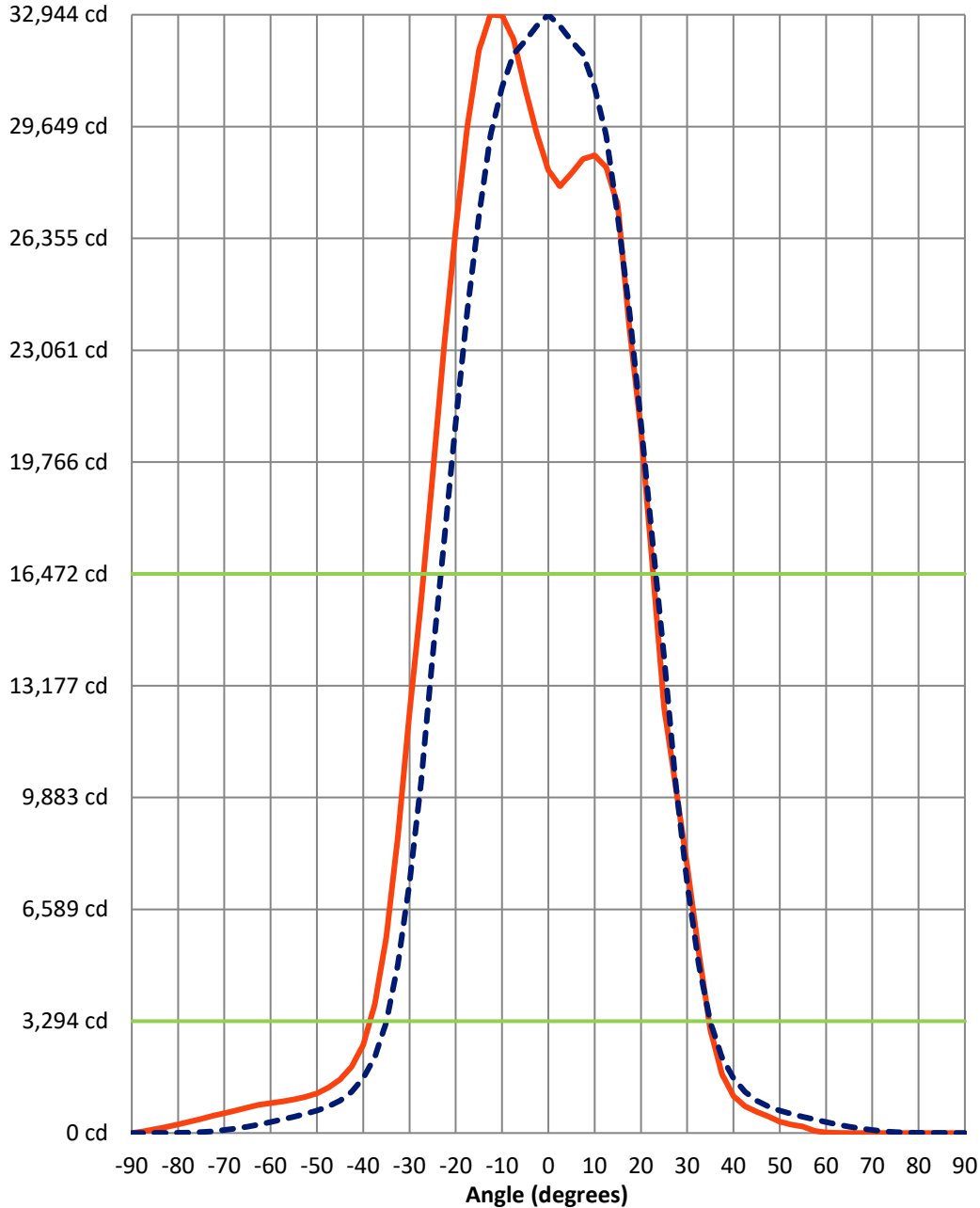
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 15750
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 21194.9
 Efficiency: 90.1%

Spill:
 Lumens: 2319.8
 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	1	1	0	0	0	0	0
70°	0	0	0	0	1	1	0	0	0	0	0
67.5°	0	0	0	1	2	2	1	0	0	1	1
65°	0	0	0	1	2	2	1	0	1	2	2
62.5°	0	0	0	2	3	2	1	1	2	3	3
60°	0	0	0	2	3	2	1	2	4	4	5
57.5°	0	0	0	3	4	2	2	4	5	5	5
55°	0	0	1	3	4	3	3	5	5	5	5
52.5°	0	0	1	4	4	3	4	6	5	5	5
50°	0	0	2	5	4	3	5	6	5	5	6
47.5°	0	0	2	5	4	4	5	6	5	5	7
45°	0	0	2	5	4	4	6	7	6	7	9
42.5°	0	0	3	5	4	5	6	7	6	8	11
40°	0	0	3	5	5	5	7	7	7	10	13
37.5°	0	0	3	5	5	5	8	8	9	12	15
35°	0	0	3	5	5	6	8	8	11	15	20
32.5°	0	0	4	5	5	6	9	8	13	19	32
30°	0	0	4	5	5	7	9	9	15	24	43
27.5°	0	0	4	5	5	8	10	11	18	29	53
25°	0	0	4	5	5	8	10	12	22	36	63
22.5°	0	0	5	5	5	9	10	14	26	44	74
20°	0	0	5	5	5	9	11	16	31	52	85
17.5°	0	0	5	5	5	10	11	18	35	58	97
15°	0	0	5	5	5	10	12	20	40	64	109
12.5°	0	0	5	5	5	10	12	24	45	69	121
10°	0	0	5	5	5	10	13	28	49	78	131
7.5°	0	0	5	5	5	11	14	32	52	87	140
5°	0	0	5	5	5	11	15	36	55	96	147
2.5°	0	0	5	5	5	11	15	40	57	105	152
0°	0	0	5	5	5	11	16	43	59	113	157
-2.5°	0	0	5	5	6	11	19	45	67	119	165
-5°	0	0	5	5	6	12	22	46	74	123	172
-7.5°	0	0	5	5	7	12	24	47	80	127	178
-10°	0	0	5	5	7	13	26	48	86	130	183
-12.5°	0	1	5	5	8	13	28	48	89	133	186
-15°	0	1	5	5	8	13	30	49	91	134	188
-17.5°	0	1	5	5	8	14	30	51	90	134	188
-20°	0	1	5	5	8	14	31	53	89	134	186

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CATALOG NUMBER: GFLD-SA5C-727-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	5	5	8	14	31	54	88	132	181
-25°	0	1	5	5	8	15	31	55	86	129	174
-27.5°	0	1	5	5	8	16	31	55	84	125	170
-30°	0	1	5	5	8	17	30	54	83	122	165
-32.5°	0	1	5	5	8	17	29	53	81	118	159
-35°	0	1	5	5	9	18	29	51	79	114	151
-37.5°	0	1	5	5	9	18	30	50	76	111	148
-40°	0	1	4	5	9	18	30	48	71	106	146
-42.5°	0	1	4	6	9	18	29	45	68	101	141
-45°	0	1	4	6	10	18	29	44	65	94	134
-47.5°	0	1	4	6	10	17	28	42	62	87	126
-50°	0	1	4	6	10	17	27	41	59	84	116
-52.5°	0	1	5	6	10	16	26	39	56	79	106
-55°	0	1	5	6	10	16	25	36	53	74	100
-57.5°	0	1	5	7	10	15	24	34	50	69	93
-60°	0	1	5	7	9	15	23	33	46	64	85
-62.5°	0	1	4	7	9	14	21	31	43	59	78
-65°	0	1	4	7	9	13	20	28	39	53	71
-67.5°	0	1	4	7	9	12	18	25	35	47	62
-70°	0	1	3	7	9	12	16	22	31	41	54
-72.5°	0	1	3	6	8	11	14	19	26	35	45
-75°	0	1	3	5	8	10	13	17	21	29	37
-77.5°	0	1	2	4	7	10	12	15	19	23	29
-80°	0	0	2	3	6	8	11	13	16	20	23
-82.5°	0	0	1	3	4	6	8	11	14	16	19
-85°	0	0	1	2	3	4	6	7	9	11	14
-87.5°	0	0	0	1	1	2	3	4	5	6	7
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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	1	0	0	0	0	0	0	0	0
67.5°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	1	0	1	2	1	0	0	0
62.5°	5	4	3	2	3	4	3	2	1	1	2
60°	5	5	4	4	5	5	4	4	4	5	13
57.5°	5	5	5	6	6	6	7	8	19	32	36
55°	6	5	6	7	8	9	14	30	45	56	60
52.5°	6	6	8	10	13	20	37	55	69	81	95
50°	7	9	11	15	24	42	63	83	101	118	139
47.5°	9	11	16	24	44	68	92	117	139	163	193
45°	11	17	23	42	67	97	128	156	178	207	233
42.5°	14	26	39	59	95	131	166	189	214	244	279
40°	22	37	57	87	125	168	199	223	250	293	335
37.5°	33	52	75	115	160	202	232	262	301	350	401
35°	45	66	100	144	195	233	267	304	358	415	475
32.5°	57	80	125	175	223	264	301	357	413	476	558
30°	69	100	149	204	248	291	344	406	462	539	635
27.5°	82	121	174	227	273	318	387	447	511	599	715
25°	96	143	197	249	296	353	429	493	559	670	826
22.5°	113	164	220	269	318	390	471	551	637	748	941
20°	131	184	240	293	340	425	517	614	731	885	1138
17.5°	147	202	260	317	376	463	565	680	826	1018	1389
15°	162	218	279	341	410	502	614	755	932	1171	1633
12.5°	176	232	298	364	440	537	657	811	1019	1363	1944
10°	188	244	315	387	467	568	695	857	1090	1501	2176
7.5°	199	258	332	408	490	595	726	895	1153	1609	2357
5°	207	274	346	425	507	617	753	925	1206	1688	2496
2.5°	215	289	358	438	520	635	773	952	1257	1753	2614
0°	221	302	367	448	529	648	789	972	1296	1799	2706
-2.5°	229	309	380	457	544	657	796	987	1309	1805	2688
-5°	236	314	391	463	556	663	798	993	1308	1791	2632
-7.5°	241	317	398	468	563	666	798	989	1294	1761	2543
-10°	245	320	401	474	565	665	794	977	1263	1703	2407
-12.5°	250	324	402	477	564	662	784	955	1215	1616	2233
-15°	253	326	401	477	561	654	767	924	1150	1500	2017
-17.5°	255	326	399	473	557	644	744	888	1091	1398	1863
-20°	254	325	397	465	550	633	729	860	1041	1300	1675

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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°	252	323	394	458	540	622	711	826	978	1190	1493
-25°	247	319	389	454	528	608	688	788	921	1109	1361
-27.5°	238	312	381	447	515	592	668	759	875	1020	1221
-30°	227	303	371	437	504	576	648	725	827	953	1115
-32.5°	215	293	359	424	491	559	628	699	786	891	1018
-35°	206	280	347	408	474	541	606	673	744	837	946
-37.5°	202	267	335	393	455	520	583	646	713	786	884
-40°	195	253	320	379	435	498	559	619	680	753	829
-42.5°	187	243	305	365	418	476	534	592	653	721	791
-45°	179	232	290	346	400	454	510	564	624	688	753
-47.5°	169	219	275	324	377	431	485	539	592	651	715
-50°	157	204	255	302	349	403	457	511	563	614	669
-52.5°	144	186	235	281	324	370	425	480	532	582	631
-55°	130	170	213	259	302	342	390	445	497	546	596
-57.5°	119	152	193	236	279	320	364	411	461	509	558
-60°	110	137	171	211	254	294	337	381	426	472	516
-62.5°	100	123	151	184	224	265	305	346	389	428	467
-65°	90	109	132	160	191	228	267	306	346	380	414
-67.5°	79	96	115	136	163	194	225	261	297	331	363
-70°	68	83	99	117	137	162	191	220	249	279	310
-72.5°	57	70	84	98	116	138	160	183	208	234	261
-75°	47	57	69	81	96	113	132	152	172	193	214
-77.5°	37	46	55	65	76	90	104	120	136	153	169
-80°	28	34	42	50	59	69	79	89	102	115	129
-82.5°	23	27	31	37	43	49	56	63	73	82	92
-85°	16	19	22	25	28	32	36	40	46	52	59
-87.5°	8	9	11	12	14	16	17	19	22	25	28
-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°	2	2	2	2	1	1	3	4	4	4	4
60°	14	10	14	18	17	13	19	22	20	16	17
57.5°	38	41	47	55	60	64	69	75	79	81	83
55°	69	83	98	105	116	134	149	151	153	157	166
52.5°	111	127	135	148	171	185	192	205	218	231	243
50°	161	175	191	212	234	248	253	275	302	324	337
47.5°	212	230	260	296	315	331	354	382	412	444	469
45°	259	292	330	362	387	415	445	480	527	571	605
42.5°	313	350	388	425	453	499	552	594	661	720	757
40°	375	412	466	512	569	628	719	804	889	987	1059
37.5°	450	507	584	658	742	829	992	1159	1295	1487	1593
35°	540	628	737	848	983	1192	1430	1752	2087	2366	2635
32.5°	644	756	906	1105	1332	1667	2025	2618	3196	3774	4341
30°	746	910	1139	1412	1785	2316	2990	3907	4900	5769	6557
27.5°	883	1115	1412	1820	2455	3233	4477	5750	7015	8144	8955
25°	1048	1358	1780	2455	3371	4661	6329	7890	9374	10481	11414
22.5°	1287	1752	2350	3210	4872	6666	8662	10626	12293	13688	14607
20°	1581	2210	3212	4770	6725	8968	11537	13603	15656	17226	18628
17.5°	1999	3001	4414	6393	8729	11722	14367	16671	19278	20882	22312
15°	2374	3662	5677	8202	10939	14111	17230	20052	22569	24332	25930
12.5°	2849	4365	6682	9652	12645	16177	19419	22440	24905	26719	27838
10°	3274	5085	7685	10791	14142	17832	21192	24337	26724	28126	28949
7.5°	3618	5684	8498	11766	15304	19018	22568	25689	27973	29146	29708
5°	3884	6128	9134	12566	16241	20040	23663	26718	28642	29612	29926
2.5°	4083	6437	9563	13092	16873	20795	24494	27505	29146	29846	29950
0°	4219	6655	9841	13423	17414	21066	24944	28001	29562	30124	30178
-2.5°	4187	6576	9829	13303	17352	21187	25016	28033	29704	30458	30581
-5°	4101	6391	9503	12963	16859	20700	24351	27537	29587	30727	31232
-7.5°	3937	6071	8946	12312	16059	19904	23627	26933	29292	30896	31884
-10°	3657	5604	8233	11489	15182	18845	22527	25957	28497	30428	31804
-12.5°	3275	4970	7363	10323	14036	17456	20941	24228	27001	29382	30804
-15°	2881	4310	6460	9168	12400	15769	18989	22213	24951	27177	28951
-17.5°	2600	3732	5413	7784	10622	13817	16959	19921	22391	24484	26345
-20°	2244	3085	4417	6409	8908	11701	14711	17347	19553	21516	23293



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	1961	2642	3604	4963	7208	9672	12133	14561	16635	18382	19899
-25°	1704	2182	2934	4039	5499	7627	9701	11751	13665	15290	16656
-27.5°	1502	1882	2383	3170	4278	5520	7337	9051	10697	12182	13470
-30°	1319	1604	1995	2488	3241	4164	5257	6538	7850	9023	10193
-32.5°	1187	1390	1659	2024	2446	3107	3767	4629	5460	6316	7155
-35°	1068	1232	1415	1659	1949	2334	2769	3296	3740	4300	4816
-37.5°	987	1102	1242	1396	1603	1818	2113	2433	2709	3020	3283
-40°	920	1010	1105	1209	1351	1496	1687	1866	2041	2231	2373
-42.5°	863	936	1004	1085	1169	1285	1413	1525	1631	1743	1836
-45°	819	873	928	991	1055	1139	1229	1313	1382	1444	1495
-47.5°	771	820	868	917	971	1033	1092	1145	1203	1251	1286
-50°	724	772	817	858	906	954	1001	1043	1084	1120	1142
-52.5°	679	728	772	810	850	890	928	967	1003	1035	1049
-55°	644	690	734	768	802	835	870	906	940	970	980
-57.5°	606	653	695	726	757	787	820	853	885	914	923
-60°	562	611	648	678	709	742	772	803	832	857	868
-62.5°	510	553	588	617	646	672	705	737	768	794	809
-65°	448	485	518	548	576	602	633	662	690	712	728
-67.5°	393	423	450	477	503	530	559	586	613	632	645
-70°	339	367	392	417	441	464	488	511	534	550	563
-72.5°	287	311	333	355	376	397	417	437	456	471	483
-75°	237	257	276	295	313	330	345	361	376	388	399
-77.5°	187	203	220	235	251	264	276	288	299	310	320
-80°	143	155	167	179	191	201	210	219	228	236	244
-82.5°	103	110	118	126	134	141	148	154	161	167	172
-85°	65	70	74	78	83	87	91	95	99	103	106
-87.5°	31	33	35	37	39	41	43	45	47	49	51
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-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°	5	5	5	5	5	5	5	4	4	4	4
60°	17	16	16	16	16	16	17	17	16	20	22
57.5°	81	76	70	65	70	76	81	83	81	79	75
55°	176	186	191	189	191	186	176	166	157	153	151
52.5°	251	256	254	249	254	256	251	243	231	218	205
50°	343	343	340	335	340	343	343	337	324	302	275
47.5°	481	489	492	492	492	489	481	469	444	412	382
45°	618	625	627	627	627	625	618	605	571	527	480
42.5°	777	789	793	789	793	789	777	757	720	661	594
40°	1101	1114	1108	1091	1108	1114	1101	1059	987	889	804
37.5°	1667	1721	1744	1745	1744	1721	1667	1593	1487	1295	1159
35°	2876	3069	3157	3046	3157	3069	2876	2635	2366	2087	1752
32.5°	4803	5144	5337	5337	5337	5144	4803	4341	3774	3196	2618
30°	7152	7579	7819	7870	7819	7579	7152	6557	5769	4900	3907
27.5°	9588	10029	10259	10225	10259	10029	9588	8955	8144	7015	5750
25°	12031	12366	12559	12564	12559	12366	12031	11414	10481	9374	7890
22.5°	15642	16345	16635	16712	16635	16345	15642	14607	13688	12293	10626
20°	19577	20259	20699	20726	20699	20259	19577	18628	17226	15656	13603
17.5°	23327	23665	23727	23756	23727	23665	23327	22312	20882	19278	16671
15°	26861	26980	27292	27332	27292	26980	26861	25930	24332	22569	20052
12.5°	28540	28649	28595	28450	28595	28649	28540	27838	26719	24905	22440
10°	29455	29302	29074	28801	29074	29302	29455	28949	28126	26724	24337
7.5°	29662	29492	29091	28693	29091	29492	29662	29708	29146	27973	25689
5°	29761	29262	28755	28271	28755	29262	29761	29926	29612	28642	26718
2.5°	29702	29109	28413	27893	28413	29109	29702	29950	29846	29146	27505
0°	29892	29292	28563	28369	28563	29292	29892	30178	30124	29562	28001
-2.5°	30420	29934	29553	29449	29553	29934	30420	30581	30458	29704	28033
-5°	31369	31262	30615	30767	30615	31262	31369	31232	30727	29587	27537
-7.5°	32286	32134	31860	32214	31860	32134	32286	31884	30896	29292	26933
-10°	32530	32480	32608	32922	32608	32480	32530	31804	30428	28497	25957
-12.5°	31782	32174	32613	32944	32613	32174	31782	30804	29382	27001	24228
-15°	30116	30917	31573	31885	31573	30917	30116	28951	27177	24951	22213
-17.5°	27661	28644	29422	29643	29422	28644	27661	26345	24484	22391	19921
-20°	24640	25639	26347	26629	26347	25639	24640	23293	21516	19553	17347



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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°	21239	22214	22856	23194	22856	22214	21239	19899	18382	16635	14561
-25°	17788	18645	19215	19364	19215	18645	17788	16656	15290	13665	11751
-27.5°	14487	15177	15596	15643	15596	15177	14487	13470	12182	10697	9051
-30°	11167	11807	12171	12364	12171	11807	11167	10193	9023	7850	6538
-32.5°	7843	8351	8659	8740	8659	8351	7843	7155	6316	5460	4629
-35°	5229	5545	5740	5780	5740	5545	5229	4816	4300	3740	3296
-37.5°	3496	3651	3745	3792	3745	3651	3496	3283	3020	2709	2433
-40°	2477	2549	2590	2598	2590	2549	2477	2373	2231	2041	1866
-42.5°	1894	1931	1950	1955	1950	1931	1894	1836	1743	1631	1525
-45°	1531	1557	1572	1577	1572	1557	1531	1495	1444	1382	1313
-47.5°	1310	1326	1336	1340	1336	1326	1310	1286	1251	1203	1145
-50°	1155	1165	1168	1167	1168	1165	1155	1142	1120	1084	1043
-52.5°	1058	1064	1066	1064	1066	1064	1058	1049	1035	1003	967
-55°	986	991	991	989	991	991	986	980	970	940	906
-57.5°	931	936	935	929	935	936	931	923	914	885	853
-60°	876	882	883	880	883	882	876	868	857	832	803
-62.5°	822	832	834	832	834	832	822	809	794	768	737
-65°	743	756	756	751	756	756	743	728	712	690	662
-67.5°	656	666	667	664	667	666	656	645	632	613	586
-70°	575	585	586	583	586	585	575	563	550	534	511
-72.5°	495	505	507	508	507	505	495	483	471	456	437
-75°	410	419	418	416	418	419	410	399	388	376	361
-77.5°	330	338	337	335	337	338	330	320	310	299	288
-80°	251	258	256	254	256	258	251	244	236	228	219
-82.5°	178	183	181	178	181	183	178	172	167	161	154
-85°	110	113	113	113	113	113	110	106	103	99	95
-87.5°	52	54	51	49	51	54	52	51	49	47	45
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	3	1	1	2	2	2	2	2	1	1	2
60°	19	13	17	18	14	10	14	13	5	4	4
57.5°	69	64	60	55	47	41	38	36	32	19	8
55°	149	134	116	105	98	83	69	60	56	45	30
52.5°	192	185	171	148	135	127	111	95	81	69	55
50°	253	248	234	212	191	175	161	139	118	101	83
47.5°	354	331	315	296	260	230	212	193	163	139	117
45°	445	415	387	362	330	292	259	233	207	178	156
42.5°	552	499	453	425	388	350	313	279	244	214	189
40°	719	628	569	512	466	412	375	335	293	250	223
37.5°	992	829	742	658	584	507	450	401	350	301	262
35°	1430	1192	983	848	737	628	540	475	415	358	304
32.5°	2025	1667	1332	1105	906	756	644	558	476	413	357
30°	2990	2316	1785	1412	1139	910	746	635	539	462	406
27.5°	4477	3233	2455	1820	1412	1115	883	715	599	511	447
25°	6329	4661	3371	2455	1780	1358	1048	826	670	559	493
22.5°	8662	6666	4872	3210	2350	1752	1287	941	748	637	551
20°	11537	8968	6725	4770	3212	2210	1581	1138	885	731	614
17.5°	14367	11722	8729	6393	4414	3001	1999	1389	1018	826	680
15°	17230	14111	10939	8202	5677	3662	2374	1633	1171	932	755
12.5°	19419	16177	12645	9652	6682	4365	2849	1944	1363	1019	811
10°	21192	17832	14142	10791	7685	5085	3274	2176	1501	1090	857
7.5°	22568	19018	15304	11766	8498	5684	3618	2357	1609	1153	895
5°	23663	20040	16241	12566	9134	6128	3884	2496	1688	1206	925
2.5°	24494	20795	16873	13092	9563	6437	4083	2614	1753	1257	952
0°	24944	21066	17414	13423	9841	6655	4219	2706	1799	1296	972
-2.5°	25016	21187	17352	13303	9829	6576	4187	2688	1805	1309	987
-5°	24351	20700	16859	12963	9503	6391	4101	2632	1791	1308	993
-7.5°	23627	19904	16059	12312	8946	6071	3937	2543	1761	1294	989
-10°	22527	18845	15182	11489	8233	5604	3657	2407	1703	1263	977
-12.5°	20941	17456	14036	10323	7363	4970	3275	2233	1616	1215	955
-15°	18989	15769	12400	9168	6460	4310	2881	2017	1500	1150	924
-17.5°	16959	13817	10622	7784	5413	3732	2600	1863	1398	1091	888
-20°	14711	11701	8908	6409	4417	3085	2244	1675	1300	1041	860

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12133	9672	7208	4963	3604	2642	1961	1493	1190	978	826
-25°	9701	7627	5499	4039	2934	2182	1704	1361	1109	921	788
-27.5°	7337	5520	4278	3170	2383	1882	1502	1221	1020	875	759
-30°	5257	4164	3241	2488	1995	1604	1319	1115	953	827	725
-32.5°	3767	3107	2446	2024	1659	1390	1187	1018	891	786	699
-35°	2769	2334	1949	1659	1415	1232	1068	946	837	744	673
-37.5°	2113	1818	1603	1396	1242	1102	987	884	786	713	646
-40°	1687	1496	1351	1209	1105	1010	920	829	753	680	619
-42.5°	1413	1285	1169	1085	1004	936	863	791	721	653	592
-45°	1229	1139	1055	991	928	873	819	753	688	624	564
-47.5°	1092	1033	971	917	868	820	771	715	651	592	539
-50°	1001	954	906	858	817	772	724	669	614	563	511
-52.5°	928	890	850	810	772	728	679	631	582	532	480
-55°	870	835	802	768	734	690	644	596	546	497	445
-57.5°	820	787	757	726	695	653	606	558	509	461	411
-60°	772	742	709	678	648	611	562	516	472	426	381
-62.5°	705	672	646	617	588	553	510	467	428	389	346
-65°	633	602	576	548	518	485	448	414	380	346	306
-67.5°	559	530	503	477	450	423	393	363	331	297	261
-70°	488	464	441	417	392	367	339	310	279	249	220
-72.5°	417	397	376	355	333	311	287	261	234	208	183
-75°	345	330	313	295	276	257	237	214	193	172	152
-77.5°	276	264	251	235	220	203	187	169	153	136	120
-80°	210	201	191	179	167	155	143	129	115	102	89
-82.5°	148	141	134	126	118	110	103	92	82	73	63
-85°	91	87	83	78	74	70	65	59	52	46	40
-87.5°	43	41	39	37	35	33	31	28	25	22	19
-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	1	0	0	0	0	0	0
67.5°	0	0	0	1	2	2	0	1	1	0	0
65°	2	1	0	1	3	4	3	2	2	1	0
62.5°	3	4	3	2	3	4	5	3	3	2	1
60°	4	5	5	4	4	5	5	5	4	4	2
57.5°	7	6	6	6	5	5	5	5	5	5	4
55°	14	9	8	7	6	5	6	5	5	5	5
52.5°	37	20	13	10	8	6	6	5	5	5	6
50°	63	42	24	15	11	9	7	6	5	5	6
47.5°	92	68	44	24	16	11	9	7	5	5	6
45°	128	97	67	42	23	17	11	9	7	6	7
42.5°	166	131	95	59	39	26	14	11	8	6	7
40°	199	168	125	87	57	37	22	13	10	7	7
37.5°	232	202	160	115	75	52	33	15	12	9	8
35°	267	233	195	144	100	66	45	20	15	11	8
32.5°	301	264	223	175	125	80	57	32	19	13	8
30°	344	291	248	204	149	100	69	43	24	15	9
27.5°	387	318	273	227	174	121	82	53	29	18	11
25°	429	353	296	249	197	143	96	63	36	22	12
22.5°	471	390	318	269	220	164	113	74	44	26	14
20°	517	425	340	293	240	184	131	85	52	31	16
17.5°	565	463	376	317	260	202	147	97	58	35	18
15°	614	502	410	341	279	218	162	109	64	40	20
12.5°	657	537	440	364	298	232	176	121	69	45	24
10°	695	568	467	387	315	244	188	131	78	49	28
7.5°	726	595	490	408	332	258	199	140	87	52	32
5°	753	617	507	425	346	274	207	147	96	55	36
2.5°	773	635	520	438	358	289	215	152	105	57	40
0°	789	648	529	448	367	302	221	157	113	59	43
-2.5°	796	657	544	457	380	309	229	165	119	67	45
-5°	798	663	556	463	391	314	236	172	123	74	46
-7.5°	798	666	563	468	398	317	241	178	127	80	47
-10°	794	665	565	474	401	320	245	183	130	86	48
-12.5°	784	662	564	477	402	324	250	186	133	89	48
-15°	767	654	561	477	401	326	253	188	134	91	49
-17.5°	744	644	557	473	399	326	255	188	134	90	51
-20°	729	633	550	465	397	325	254	186	134	89	53

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

Scaled Data Report



REPORT NUMBER: P627616 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-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°	711	622	540	458	394	323	252	181	132	88	54
-25°	688	608	528	454	389	319	247	174	129	86	55
-27.5°	668	592	515	447	381	312	238	170	125	84	55
-30°	648	576	504	437	371	303	227	165	122	83	54
-32.5°	628	559	491	424	359	293	215	159	118	81	53
-35°	606	541	474	408	347	280	206	151	114	79	51
-37.5°	583	520	455	393	335	267	202	148	111	76	50
-40°	559	498	435	379	320	253	195	146	106	71	48
-42.5°	534	476	418	365	305	243	187	141	101	68	45
-45°	510	454	400	346	290	232	179	134	94	65	44
-47.5°	485	431	377	324	275	219	169	126	87	62	42
-50°	457	403	349	302	255	204	157	116	84	59	41
-52.5°	425	370	324	281	235	186	144	106	79	56	39
-55°	390	342	302	259	213	170	130	100	74	53	36
-57.5°	364	320	279	236	193	152	119	93	69	50	34
-60°	337	294	254	211	171	137	110	85	64	46	33
-62.5°	305	265	224	184	151	123	100	78	59	43	31
-65°	267	228	191	160	132	109	90	71	53	39	28
-67.5°	225	194	163	136	115	96	79	62	47	35	25
-70°	191	162	137	117	99	83	68	54	41	31	22
-72.5°	160	138	116	98	84	70	57	45	35	26	19
-75°	132	113	96	81	69	57	47	37	29	21	17
-77.5°	104	90	76	65	55	46	37	29	23	19	15
-80°	79	69	59	50	42	34	28	23	20	16	13
-82.5°	56	49	43	37	31	27	23	19	16	14	11
-85°	36	32	28	25	22	19	16	14	11	9	7
-87.5°	17	16	14	12	11	9	8	7	6	5	4
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	1	0	0	0	0
70°	0	1	1	0	0	0	0
67.5°	1	2	2	1	0	0	0
65°	1	2	2	1	0	0	0
62.5°	1	2	3	2	0	0	0
60°	1	2	3	2	0	0	0
57.5°	2	2	4	3	0	0	0
55°	3	3	4	3	1	0	0
52.5°	4	3	4	4	1	0	0
50°	5	3	4	5	2	0	0
47.5°	5	4	4	5	2	0	0
45°	6	4	4	5	2	0	0
42.5°	6	5	4	5	3	0	0
40°	7	5	5	5	3	0	0
37.5°	8	5	5	5	3	0	0
35°	8	6	5	5	3	0	0
32.5°	9	6	5	5	4	0	0
30°	9	7	5	5	4	0	0
27.5°	10	8	5	5	4	0	0
25°	10	8	5	5	4	0	0
22.5°	10	9	5	5	5	0	0
20°	11	9	5	5	5	0	0
17.5°	11	10	5	5	5	0	0
15°	12	10	5	5	5	0	0
12.5°	12	10	5	5	5	0	0
10°	13	10	5	5	5	0	0
7.5°	14	11	5	5	5	0	0
5°	15	11	5	5	5	0	0
2.5°	15	11	5	5	5	0	0
0°	16	11	5	5	5	0	0
-2.5°	19	11	6	5	5	0	0
-5°	22	12	6	5	5	0	0
-7.5°	24	12	7	5	5	0	0
-10°	26	13	7	5	5	0	0
-12.5°	28	13	8	5	5	1	0
-15°	30	13	8	5	5	1	0
-17.5°	30	14	8	5	5	1	0
-20°	31	14	8	5	5	1	0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	31	14	8	5	5	1	0
-25°	31	15	8	5	5	1	0
-27.5°	31	16	8	5	5	1	0
-30°	30	17	8	5	5	1	0
-32.5°	29	17	8	5	5	1	0
-35°	29	18	9	5	5	1	0
-37.5°	30	18	9	5	5	1	0
-40°	30	18	9	5	4	1	0
-42.5°	29	18	9	6	4	1	0
-45°	29	18	10	6	4	1	0
-47.5°	28	17	10	6	4	1	0
-50°	27	17	10	6	4	1	0
-52.5°	26	16	10	6	5	1	0
-55°	25	16	10	6	5	1	0
-57.5°	24	15	10	7	5	1	0
-60°	23	15	9	7	5	1	0
-62.5°	21	14	9	7	4	1	0
-65°	20	13	9	7	4	1	0
-67.5°	18	12	9	7	4	1	0
-70°	16	12	9	7	3	1	0
-72.5°	14	11	8	6	3	1	0
-75°	13	10	8	5	3	1	0
-77.5°	12	10	7	4	2	1	0
-80°	11	8	6	3	2	0	0
-82.5°	8	6	4	3	1	0	0
-85°	6	4	3	2	1	0	0
-87.5°	3	2	1	1	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)