

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: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627256 (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-SA3E-727-U-MWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18910.2 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 4H x 5V
Max Intensity: 26492.9 candela
Max Intensity Angle: 0°H x -12.5°V

Beam Angle (50%): 46.4°H x 49.6°V
Beam Lumens: 12666 lumens
Beam Efficiency: 67.0%

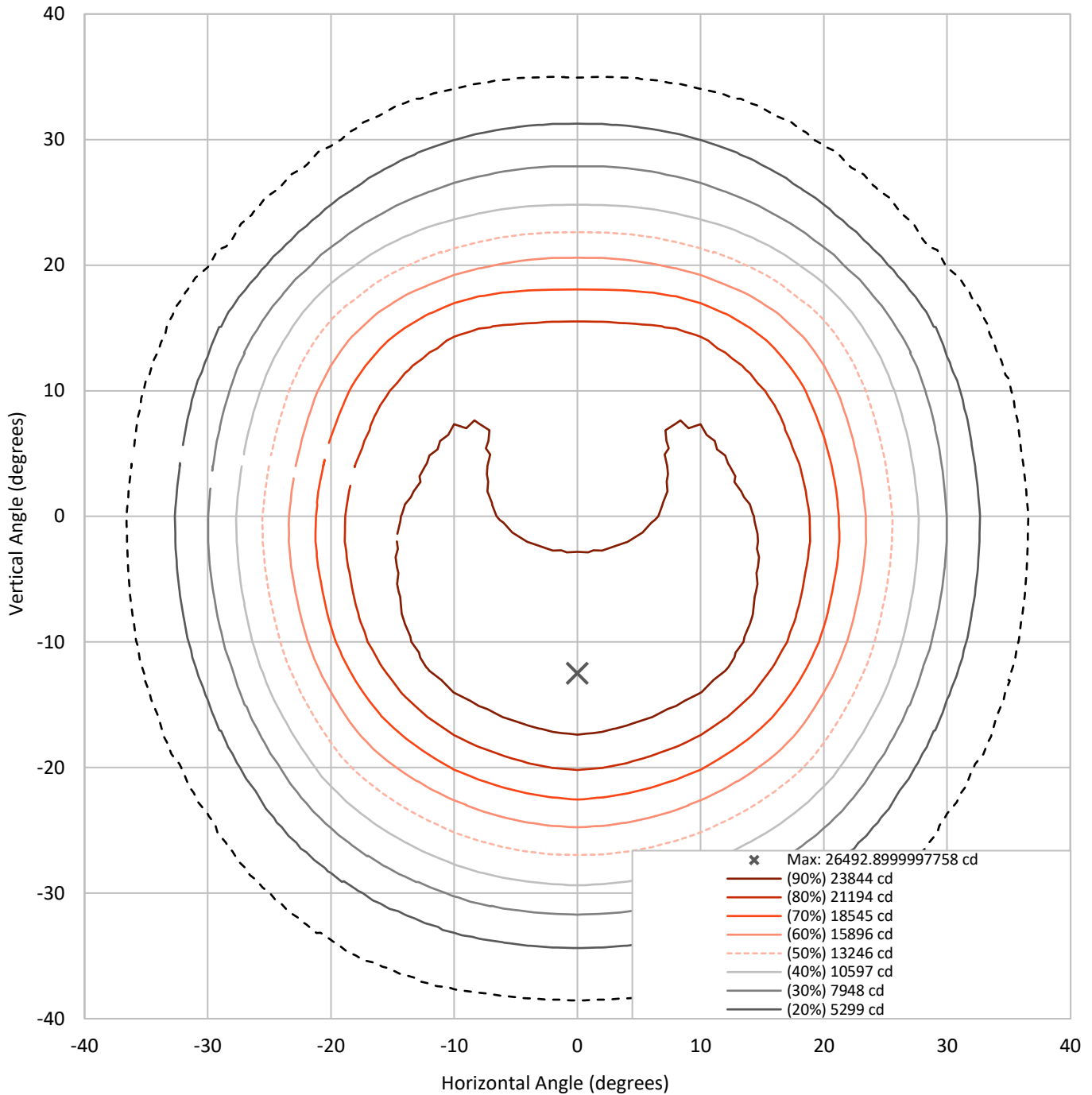
Field Angle (10%): 69.9°H x 73.3°V
Field Lumens: 17044.6 lumens
Field Efficiency: 90.1%

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: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-727-U-MWR-VSR-XX

Iso-Candela Plot





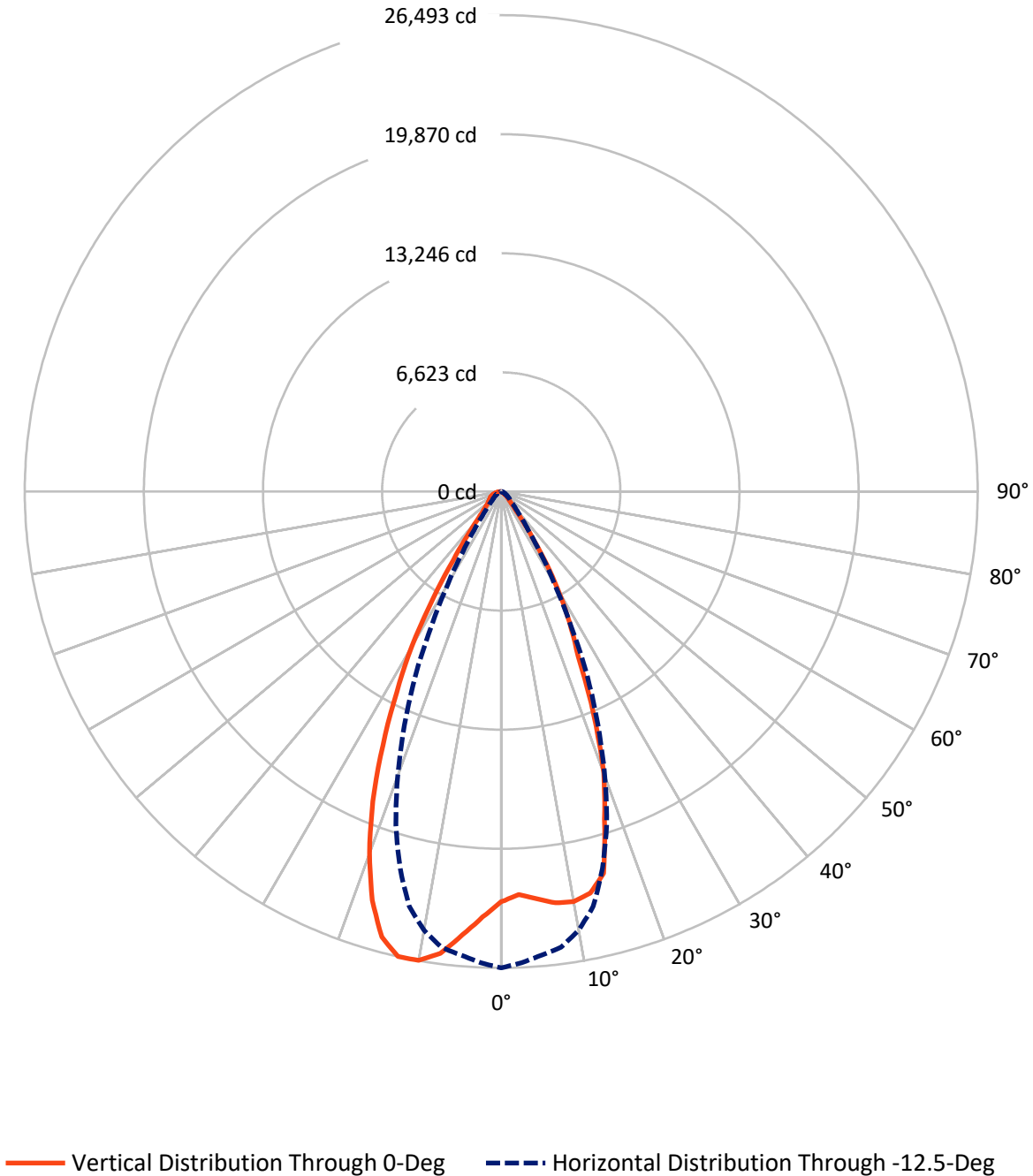
REPORT NUMBER: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.1	0.6	1.5	2.6	3.6	4.2	4.2	3.6	2.6	1.5	0.6	0.1	0.1				
40	0.1	0.1	0.7	2.7	5.3	8.7	13.0	15.9	15.9	13.0	8.7	5.3	2.7	0.7	0.1	0.1			
30		0.3	2.1	5.5	11.3	24.5	55.8	85.2	85.2	55.8	24.5	11.3	5.5	2.1	0.3				
20	0.2	0.8	3.5	8.8	23.7	87.9	226.4	316.4	316.4	226.4	87.9	23.7	8.8	3.5	0.8	0.2			
10		1.2	4.9	13.7	56.5	244.1	509.3	630.5	630.5	509.3	244.1	56.5	13.7	4.9	1.2				
0	0.4	1.6	6.1	17.6	89.9	359.5	656.6	711.8	711.8	656.6	359.5	89.9	17.6	6.1	1.6	0.4			
-10		1.9	6.7	18.8	94.1	371.3	680.3	755.5	755.5	680.3	371.3	94.1	18.8	6.7	1.9				
-20	0.5	2.1	6.8	17.1	67.3	276.4	573.9	732.7	732.7	573.9	276.4	67.3	17.1	6.8	2.1	0.5			
-30		2.0	6.5	14.2	37.6	134.1	319.8	450.0	450.0	319.8	134.1	37.6	14.2	6.5	2.0				
-40	0.5	1.8	5.8	11.8	22.5	47.8	99.9	148.3	148.3	99.9	47.8	22.5	11.8	5.8	1.8	0.5			
-50		1.5	4.9	9.9	16.4	24.2	34.1	40.4	40.4	34.1	24.2	16.4	9.9	4.9	1.5				
-60	0.4	1.1	3.7	7.7	12.9	17.9	22.3	24.4	24.4	22.3	17.9	12.9	7.7	3.7	1.1	0.4			
-70		0.8	2.3	5.3	9.1	12.8	16.2	18.1	18.1	16.2	12.8	9.1	5.3	2.3	0.8				
-80	0.1	2.1	9.5	20.3	26.0	20.3	9.5	2.1	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

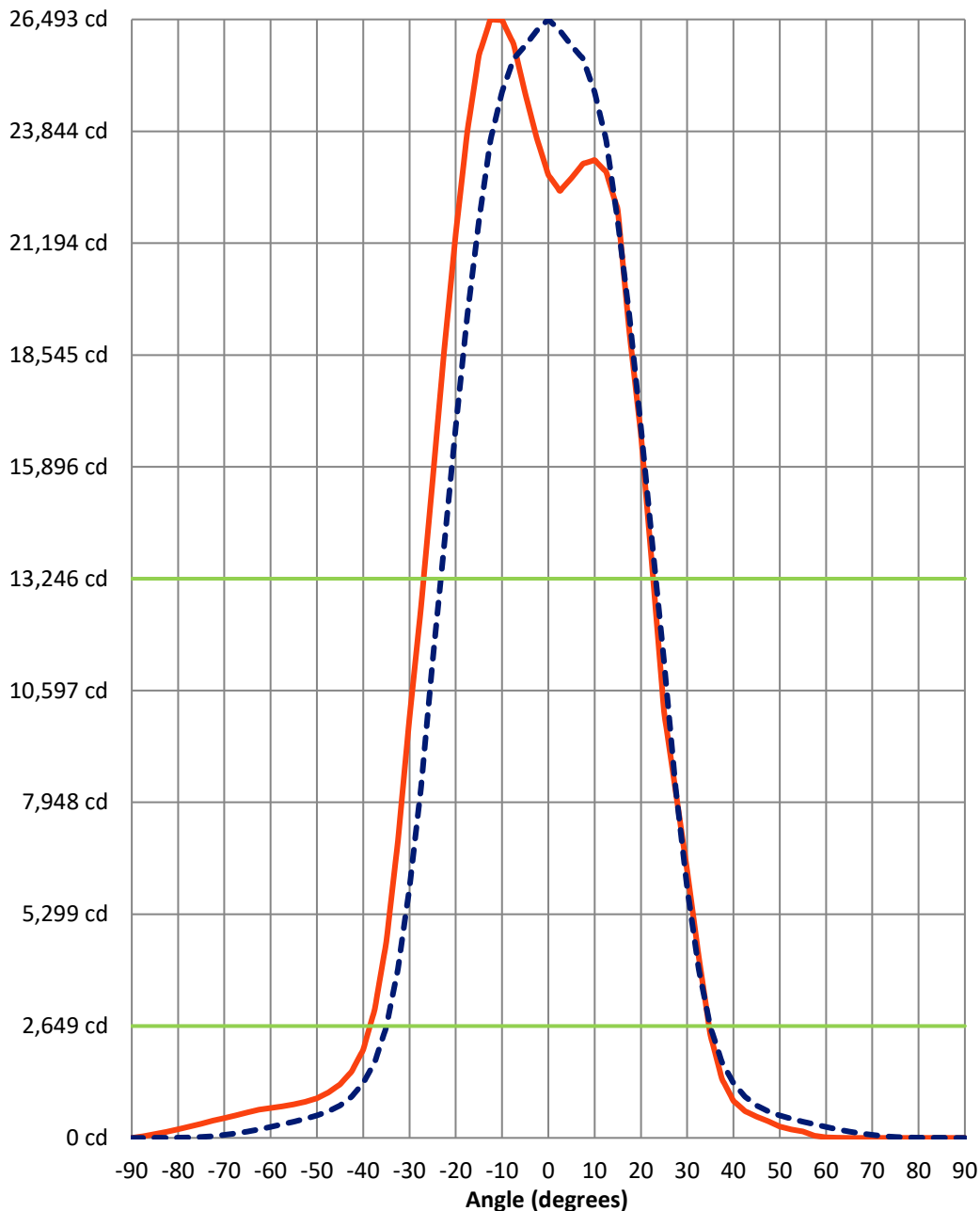
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 12666
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 17044.6
 Efficiency: 90.1%

Spill:
 Lumens: 1865.5
 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	1	1	1	0	0	0	1	1
65°	0	0	0	1	2	2	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	4	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	5	4	4	5
47.5°	0	0	2	4	3	3	4	5	4	4	6
45°	0	0	2	4	3	3	5	5	5	5	7
42.5°	0	0	2	4	4	4	5	6	5	7	9
40°	0	0	2	4	4	4	6	6	5	8	10
37.5°	0	0	3	4	4	4	6	6	7	10	12
35°	0	0	3	4	4	5	7	6	9	12	16
32.5°	0	0	3	4	4	5	7	7	10	15	26
30°	0	0	3	4	4	6	8	7	12	19	35
27.5°	0	0	3	4	4	6	8	9	14	23	43
25°	0	0	3	4	4	7	8	10	18	29	50
22.5°	0	0	4	4	4	7	8	11	21	36	59
20°	0	0	4	4	4	7	9	13	25	42	69
17.5°	0	0	4	4	4	8	9	14	28	47	78
15°	0	0	4	4	4	8	9	16	32	52	88
12.5°	0	0	4	4	4	8	10	19	36	56	97
10°	0	0	4	4	4	8	11	22	39	63	106
7.5°	0	0	4	4	4	9	11	26	42	70	113
5°	0	0	4	4	4	9	12	29	44	77	118
2.5°	0	0	4	4	4	9	12	32	46	85	123
0°	0	0	4	4	4	9	13	35	48	91	126
-2.5°	0	0	4	4	5	9	15	36	54	95	133
-5°	0	0	4	4	5	10	17	37	60	99	139
-7.5°	0	0	4	4	5	10	19	38	65	102	143
-10°	0	0	4	4	6	10	21	38	69	104	147
-12.5°	0	0	4	4	6	11	23	39	72	107	150
-15°	0	1	4	4	6	11	24	39	73	108	151
-17.5°	0	1	4	4	6	11	24	41	72	108	151
-20°	0	1	4	4	7	11	25	42	72	107	149

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REPORT NUMBER: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	7	11	25	43	70	106	146
-25°	0	1	4	4	7	12	25	44	69	104	140
-27.5°	0	1	4	4	7	13	25	44	67	101	137
-30°	0	1	4	4	6	13	24	43	66	98	133
-32.5°	0	1	4	4	7	14	23	42	65	95	128
-35°	0	1	4	4	7	14	24	41	64	92	121
-37.5°	0	1	4	4	7	14	24	40	61	89	119
-40°	0	1	4	4	7	14	24	38	57	85	117
-42.5°	0	1	4	4	7	14	24	37	54	81	113
-45°	0	1	4	5	8	14	23	35	52	76	108
-47.5°	0	1	4	5	8	14	22	34	49	70	101
-50°	0	1	4	5	8	14	22	33	47	67	94
-52.5°	0	1	4	5	8	13	21	31	45	64	85
-55°	0	1	4	5	8	13	20	29	43	60	80
-57.5°	0	1	4	5	8	12	19	28	40	56	74
-60°	0	1	4	5	7	12	18	26	37	52	68
-62.5°	0	1	4	5	7	11	17	25	35	47	63
-65°	0	1	3	5	7	10	16	23	32	43	57
-67.5°	0	1	3	5	7	10	14	20	28	38	50
-70°	0	1	3	5	7	9	12	18	25	33	43
-72.5°	0	1	2	5	7	9	12	15	21	28	36
-75°	0	1	2	4	6	8	11	14	17	23	30
-77.5°	0	0	2	3	6	8	10	12	15	18	23
-80°	0	0	1	3	4	6	9	11	13	16	19
-82.5°	0	0	1	2	3	5	7	9	11	13	15
-85°	0	0	1	1	2	3	4	6	7	9	11
-87.5°	0	0	0	1	1	2	2	3	4	5	5
-90°	0	0	0	0	0	0	0	0	0	0	0

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REPORT NUMBER: P627256 (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	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	3	1	0	1	2
60°	4	4	3	3	4	4	3	3	4	4	10
57.5°	4	4	4	5	5	5	5	6	16	26	29
55°	4	4	5	6	7	8	12	24	36	45	48
52.5°	5	5	7	8	10	16	30	44	56	65	76
50°	6	7	9	12	19	34	51	66	81	95	112
47.5°	7	9	13	19	35	54	74	94	112	131	155
45°	9	14	19	34	54	78	103	125	143	166	187
42.5°	11	21	32	48	76	105	133	152	172	197	225
40°	18	30	46	70	100	135	160	180	201	236	270
37.5°	27	42	61	92	129	162	186	210	242	282	322
35°	36	53	81	116	157	188	215	245	288	334	382
32.5°	46	64	100	141	179	212	242	287	332	383	449
30°	56	81	120	164	200	234	277	326	372	433	511
27.5°	66	97	140	183	220	256	311	360	411	481	575
25°	77	115	159	200	238	284	345	396	449	539	665
22.5°	91	132	177	216	256	313	379	443	512	601	756
20°	105	148	193	236	274	342	416	493	588	712	915
17.5°	118	162	209	255	302	372	454	547	664	819	1117
15°	130	175	224	274	330	404	494	607	749	941	1313
12.5°	141	187	239	293	354	432	528	652	819	1096	1563
10°	151	197	254	311	375	457	559	689	876	1207	1749
7.5°	160	208	267	328	394	478	584	720	927	1294	1895
5°	167	220	278	341	408	496	605	743	970	1358	2008
2.5°	173	233	288	352	418	510	622	766	1011	1410	2103
0°	178	243	295	360	426	521	634	782	1042	1446	2176
-2.5°	184	249	306	367	438	529	640	794	1053	1452	2161
-5°	189	253	314	372	447	533	641	798	1051	1440	2117
-7.5°	193	255	320	377	453	536	642	796	1041	1416	2045
-10°	197	258	322	381	454	535	639	786	1016	1369	1936
-12.5°	201	260	323	384	454	532	630	768	977	1299	1796
-15°	204	262	323	383	451	526	617	743	925	1206	1622
-17.5°	205	262	321	380	448	518	599	714	877	1124	1498
-20°	205	261	319	374	443	509	586	691	837	1046	1347

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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°	203	260	317	368	434	500	572	664	786	957	1201
-25°	198	256	313	365	424	489	553	634	741	892	1094
-27.5°	191	251	306	360	414	476	537	610	703	820	982
-30°	182	244	298	352	405	463	521	583	665	767	897
-32.5°	173	236	289	341	394	450	505	562	632	717	818
-35°	166	225	279	328	381	435	488	541	599	674	761
-37.5°	162	214	269	316	366	418	469	520	573	632	711
-40°	157	203	257	305	350	401	450	498	547	606	667
-42.5°	150	196	245	293	336	383	430	476	525	579	636
-45°	144	186	234	278	321	365	410	454	502	553	606
-47.5°	136	176	221	260	303	347	390	434	476	524	575
-50°	126	164	205	243	281	324	368	411	453	494	538
-52.5°	116	150	189	226	261	297	342	386	428	468	507
-55°	105	136	172	208	243	275	314	358	399	439	479
-57.5°	96	123	155	190	224	257	293	330	371	409	448
-60°	88	110	137	170	204	236	271	306	343	380	415
-62.5°	80	99	121	148	180	213	245	278	313	344	376
-65°	72	88	106	129	154	184	215	246	278	306	333
-67.5°	64	78	92	109	131	156	181	210	239	266	292
-70°	55	67	80	94	110	131	154	177	200	224	249
-72.5°	46	56	68	79	94	111	129	147	167	188	210
-75°	37	46	55	66	77	91	106	122	138	155	172
-77.5°	30	37	44	52	61	72	84	97	110	123	136
-80°	23	28	34	40	48	55	63	72	82	92	104
-82.5°	18	21	25	30	34	39	45	51	58	66	74
-85°	13	15	17	20	23	26	29	32	37	42	47
-87.5°	7	8	9	10	11	13	14	15	18	20	22
-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	2	1	1	2	3	3	3	4
60°	12	8	11	14	14	10	15	18	16	13	14
57.5°	30	33	38	44	49	51	55	60	63	65	67
55°	56	67	79	84	93	108	120	121	123	127	134
52.5°	89	102	108	119	137	149	155	165	175	186	195
50°	130	141	154	170	188	200	203	221	243	260	271
47.5°	171	185	209	238	253	266	284	307	331	357	377
45°	208	235	265	291	311	333	358	386	424	459	486
42.5°	251	281	312	342	364	401	444	478	532	579	609
40°	302	331	375	412	458	505	578	646	715	794	851
37.5°	362	408	469	529	597	667	798	932	1042	1195	1281
35°	434	505	592	682	790	958	1150	1409	1678	1903	2119
32.5°	518	608	729	889	1071	1341	1628	2106	2570	3035	3491
30°	600	731	916	1136	1435	1862	2404	3142	3940	4640	5273
27.5°	710	896	1136	1464	1974	2600	3600	4624	5641	6549	7202
25°	843	1092	1431	1974	2711	3748	5090	6345	7538	8429	9179
22.5°	1035	1409	1890	2581	3918	5361	6966	8545	9886	11008	11747
20°	1272	1777	2583	3836	5408	7212	9278	10939	12591	13853	14981
17.5°	1607	2413	3550	5142	7020	9427	11554	13406	15503	16793	17943
15°	1909	2945	4566	6596	8797	11348	13857	16125	18149	19567	20853
12.5°	2291	3510	5373	7762	10169	13009	15617	18046	20028	21487	22387
10°	2633	4090	6180	8678	11373	14340	17042	19571	21491	22619	23281
7.5°	2909	4571	6834	9462	12308	15294	18149	20658	22496	23439	23891
5°	3123	4928	7346	10105	13060	16116	19029	21486	23034	23814	24066
2.5°	3284	5177	7690	10528	13569	16723	19698	22119	23439	24002	24086
0°	3392	5352	7914	10794	14004	16941	20060	22518	23774	24225	24269
-2.5°	3367	5288	7905	10698	13954	17039	20117	22544	23887	24494	24593
-5°	3298	5139	7642	10424	13558	16646	19583	22145	23793	24710	25116
-7.5°	3166	4882	7194	9901	12915	16006	19001	21659	23556	24846	25640
-10°	2941	4507	6621	9239	12209	15155	18116	20874	22917	24470	25577
-12.5°	2634	3997	5922	8302	11287	14038	16841	19484	21714	23628	24772
-15°	2317	3466	5195	7373	9972	12681	15270	17864	20065	21856	23282
-17.5°	2090	3002	4353	6260	8542	11112	13638	16020	18007	19690	21186
-20°	1805	2481	3552	5154	7164	9410	11830	13951	15725	17303	18732



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1577	2125	2898	3992	5796	7778	9757	11710	13377	14783	16003
-25°	1370	1755	2359	3248	4422	6133	7801	9450	10989	12296	13395
-27.5°	1208	1514	1917	2550	3440	4439	5900	7278	8602	9797	10832
-30°	1060	1290	1605	2001	2606	3348	4227	5258	6313	7256	8197
-32.5°	954	1118	1334	1628	1967	2498	3030	3723	4391	5079	5754
-35°	859	991	1138	1334	1567	1877	2227	2651	3008	3458	3873
-37.5°	794	886	999	1123	1290	1462	1700	1957	2178	2429	2640
-40°	740	812	889	972	1087	1203	1357	1501	1642	1794	1908
-42.5°	694	753	808	872	940	1034	1136	1226	1312	1402	1476
-45°	659	702	747	797	848	916	989	1056	1112	1162	1202
-47.5°	620	659	698	737	781	830	878	921	968	1006	1035
-50°	582	621	657	690	728	767	805	839	872	901	919
-52.5°	546	586	621	651	684	715	747	778	806	832	844
-55°	518	555	590	618	645	672	700	729	756	780	788
-57.5°	487	525	559	584	609	633	659	686	712	735	743
-60°	452	491	521	545	571	597	621	646	669	689	698
-62.5°	410	445	473	496	519	541	567	593	618	638	650
-65°	360	390	417	441	463	484	509	533	555	573	586
-67.5°	316	340	362	383	405	427	449	472	493	508	519
-70°	273	295	316	336	355	373	392	411	429	443	453
-72.5°	231	250	267	285	303	319	336	351	367	379	389
-75°	190	207	222	237	252	265	278	290	302	312	321
-77.5°	150	164	177	189	202	212	222	232	241	249	257
-80°	115	125	134	144	153	161	169	176	183	190	196
-82.5°	83	89	95	101	108	113	119	124	129	134	139
-85°	52	56	60	63	66	70	73	76	79	83	85
-87.5°	25	27	28	30	32	33	35	36	38	39	41
-90°	0	0	0	0	0	0	0	0	0	0	0



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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	4	3	3	3
60°	13	13	13	13	13	13	13	14	13	16	18
57.5°	65	61	57	52	57	61	65	67	65	63	60
55°	142	150	153	152	153	150	142	134	127	123	121
52.5°	202	205	204	200	204	205	202	195	186	175	165
50°	276	276	274	269	274	276	276	271	260	243	221
47.5°	387	393	396	395	396	393	387	377	357	331	307
45°	497	502	505	504	505	502	497	486	459	424	386
42.5°	625	634	637	634	637	634	625	609	579	532	478
40°	885	896	891	878	891	896	885	851	794	715	646
37.5°	1341	1384	1403	1403	1403	1384	1341	1281	1195	1042	932
35°	2313	2468	2539	2450	2539	2468	2313	2119	1903	1678	1409
32.5°	3863	4137	4292	4292	4292	4137	3863	3491	3035	2570	2106
30°	5751	6095	6288	6329	6288	6095	5751	5273	4640	3940	3142
27.5°	7710	8065	8250	8223	8250	8065	7710	7202	6549	5641	4624
25°	9676	9944	10099	10104	10099	9944	9676	9179	8429	7538	6345
22.5°	12579	13145	13378	13440	13378	13145	12579	11747	11008	9886	8545
20°	15744	16292	16646	16667	16646	16292	15744	14981	13853	12591	10939
17.5°	18759	19031	19081	19104	19081	19031	18759	17943	16793	15503	13406
15°	21601	21697	21948	21980	21948	21697	21601	20853	19567	18149	16125
12.5°	22952	23039	22996	22879	22996	23039	22952	22387	21487	20028	18046
10°	23687	23564	23381	23161	23381	23564	23687	23281	22619	21491	19571
7.5°	23854	23717	23395	23074	23395	23717	23854	23891	23439	22496	20658
5°	23933	23532	23124	22736	23124	23532	23933	24066	23814	23034	21486
2.5°	23886	23409	22849	22432	22849	23409	23886	24086	24002	23439	22119
0°	24039	23556	22970	22814	22970	23556	24039	24269	24225	23774	22518
-2.5°	24463	24072	23766	23682	23766	24072	24463	24593	24494	23887	22544
-5°	25226	25140	24620	24742	24620	25140	25226	25116	24710	23793	22145
-7.5°	25964	25842	25622	25906	25622	25842	25964	25640	24846	23556	21659
-10°	26160	26120	26223	26476	26223	26120	26160	25577	24470	22917	20874
-12.5°	25559	25874	26227	26493	26227	25874	25559	24772	23628	21714	19484
-15°	24219	24863	25391	25641	25391	24863	24219	23282	21856	20065	17864
-17.5°	22245	23035	23661	23839	23661	23035	22245	21186	19690	18007	16020
-20°	19815	20618	21188	21415	21188	20618	19815	18732	17303	15725	13951

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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°	17080	17865	18381	18652	18381	17865	17080	16003	14783	13377	11710
-25°	14305	14994	15452	15573	15452	14994	14305	13395	12296	10989	9450
-27.5°	11650	12205	12542	12580	12542	12205	11650	10832	9797	8602	7278
-30°	8980	9495	9788	9943	9788	9495	8980	8197	7256	6313	5258
-32.5°	6307	6716	6963	7028	6963	6716	6307	5754	5079	4391	3723
-35°	4205	4459	4616	4648	4616	4459	4205	3873	3458	3008	2651
-37.5°	2812	2936	3012	3049	3012	2936	2812	2640	2429	2178	1957
-40°	1992	2050	2083	2089	2083	2050	1992	1908	1794	1642	1501
-42.5°	1524	1553	1568	1573	1568	1553	1524	1476	1402	1312	1226
-45°	1231	1252	1264	1268	1264	1252	1231	1202	1162	1112	1056
-47.5°	1053	1067	1075	1077	1075	1067	1053	1035	1006	968	921
-50°	929	937	940	938	940	937	929	919	901	872	839
-52.5°	851	856	857	856	857	856	851	844	832	806	778
-55°	793	797	797	795	797	797	793	788	780	756	729
-57.5°	749	753	752	747	752	753	749	743	735	712	686
-60°	704	710	710	708	710	710	704	698	689	669	646
-62.5°	661	669	671	669	671	669	661	650	638	618	593
-65°	597	608	608	604	608	608	597	586	573	555	533
-67.5°	528	536	536	534	536	536	528	519	508	493	472
-70°	462	471	471	469	471	471	462	453	443	429	411
-72.5°	398	406	408	408	408	406	398	389	379	367	351
-75°	329	337	336	335	336	337	329	321	312	302	290
-77.5°	265	272	271	269	271	272	265	257	249	241	232
-80°	202	207	206	204	206	207	202	196	190	183	176
-82.5°	143	147	145	143	145	147	143	139	134	129	124
-85°	88	91	91	91	91	91	88	85	83	79	76
-87.5°	42	43	41	39	41	43	42	41	39	38	36
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627256 (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°	2	1	1	2	1	1	1	2	1	0	1
60°	15	10	14	14	11	8	12	10	4	4	3
57.5°	55	51	49	44	38	33	30	29	26	16	6
55°	120	108	93	84	79	67	56	48	45	36	24
52.5°	155	149	137	119	108	102	89	76	65	56	44
50°	203	200	188	170	154	141	130	112	95	81	66
47.5°	284	266	253	238	209	185	171	155	131	112	94
45°	358	333	311	291	265	235	208	187	166	143	125
42.5°	444	401	364	342	312	281	251	225	197	172	152
40°	578	505	458	412	375	331	302	270	236	201	180
37.5°	798	667	597	529	469	408	362	322	282	242	210
35°	1150	958	790	682	592	505	434	382	334	288	245
32.5°	1628	1341	1071	889	729	608	518	449	383	332	287
30°	2404	1862	1435	1136	916	731	600	511	433	372	326
27.5°	3600	2600	1974	1464	1136	896	710	575	481	411	360
25°	5090	3748	2711	1974	1431	1092	843	665	539	449	396
22.5°	6966	5361	3918	2581	1890	1409	1035	756	601	512	443
20°	9278	7212	5408	3836	2583	1777	1272	915	712	588	493
17.5°	11554	9427	7020	5142	3550	2413	1607	1117	819	664	547
15°	13857	11348	8797	6596	4566	2945	1909	1313	941	749	607
12.5°	15617	13009	10169	7762	5373	3510	2291	1563	1096	819	652
10°	17042	14340	11373	8678	6180	4090	2633	1749	1207	876	689
7.5°	18149	15294	12308	9462	6834	4571	2909	1895	1294	927	720
5°	19029	16116	13060	10105	7346	4928	3123	2008	1358	970	743
2.5°	19698	16723	13569	10528	7690	5177	3284	2103	1410	1011	766
0°	20060	16941	14004	10794	7914	5352	3392	2176	1446	1042	782
-2.5°	20117	17039	13954	10698	7905	5288	3367	2161	1452	1053	794
-5°	19583	16646	13558	10424	7642	5139	3298	2117	1440	1051	798
-7.5°	19001	16006	12915	9901	7194	4882	3166	2045	1416	1041	796
-10°	18116	15155	12209	9239	6621	4507	2941	1936	1369	1016	786
-12.5°	16841	14038	11287	8302	5922	3997	2634	1796	1299	977	768
-15°	15270	12681	9972	7373	5195	3466	2317	1622	1206	925	743
-17.5°	13638	11112	8542	6260	4353	3002	2090	1498	1124	877	714
-20°	11830	9410	7164	5154	3552	2481	1805	1347	1046	837	691

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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°	9757	7778	5796	3992	2898	2125	1577	1201	957	786	664
-25°	7801	6133	4422	3248	2359	1755	1370	1094	892	741	634
-27.5°	5900	4439	3440	2550	1917	1514	1208	982	820	703	610
-30°	4227	3348	2606	2001	1605	1290	1060	897	767	665	583
-32.5°	3030	2498	1967	1628	1334	1118	954	818	717	632	562
-35°	2227	1877	1567	1334	1138	991	859	761	674	599	541
-37.5°	1700	1462	1290	1123	999	886	794	711	632	573	520
-40°	1357	1203	1087	972	889	812	740	667	606	547	498
-42.5°	1136	1034	940	872	808	753	694	636	579	525	476
-45°	989	916	848	797	747	702	659	606	553	502	454
-47.5°	878	830	781	737	698	659	620	575	524	476	434
-50°	805	767	728	690	657	621	582	538	494	453	411
-52.5°	747	715	684	651	621	586	546	507	468	428	386
-55°	700	672	645	618	590	555	518	479	439	399	358
-57.5°	659	633	609	584	559	525	487	448	409	371	330
-60°	621	597	571	545	521	491	452	415	380	343	306
-62.5°	567	541	519	496	473	445	410	376	344	313	278
-65°	509	484	463	441	417	390	360	333	306	278	246
-67.5°	449	427	405	383	362	340	316	292	266	239	210
-70°	392	373	355	336	316	295	273	249	224	200	177
-72.5°	336	319	303	285	267	250	231	210	188	167	147
-75°	278	265	252	237	222	207	190	172	155	138	122
-77.5°	222	212	202	189	177	164	150	136	123	110	97
-80°	169	161	153	144	134	125	115	104	92	82	72
-82.5°	119	113	108	101	95	89	83	74	66	58	51
-85°	73	70	66	63	60	56	52	47	42	37	32
-87.5°	35	33	32	30	28	27	25	22	20	18	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°	3	3	2	2	2	3	4	3	2	2	1
60°	3	4	4	3	3	4	4	4	3	3	2
57.5°	5	5	5	5	4	4	4	4	4	4	3
55°	12	8	7	6	5	4	4	4	4	4	4
52.5°	30	16	10	8	7	5	5	4	4	4	4
50°	51	34	19	12	9	7	6	5	4	4	5
47.5°	74	54	35	19	13	9	7	6	4	4	5
45°	103	78	54	34	19	14	9	7	5	5	5
42.5°	133	105	76	48	32	21	11	9	7	5	6
40°	160	135	100	70	46	30	18	10	8	5	6
37.5°	186	162	129	92	61	42	27	12	10	7	6
35°	215	188	157	116	81	53	36	16	12	9	6
32.5°	242	212	179	141	100	64	46	26	15	10	7
30°	277	234	200	164	120	81	56	35	19	12	7
27.5°	311	256	220	183	140	97	66	43	23	14	9
25°	345	284	238	200	159	115	77	50	29	18	10
22.5°	379	313	256	216	177	132	91	59	36	21	11
20°	416	342	274	236	193	148	105	69	42	25	13
17.5°	454	372	302	255	209	162	118	78	47	28	14
15°	494	404	330	274	224	175	130	88	52	32	16
12.5°	528	432	354	293	239	187	141	97	56	36	19
10°	559	457	375	311	254	197	151	106	63	39	22
7.5°	584	478	394	328	267	208	160	113	70	42	26
5°	605	496	408	341	278	220	167	118	77	44	29
2.5°	622	510	418	352	288	233	173	123	85	46	32
0°	634	521	426	360	295	243	178	126	91	48	35
-2.5°	640	529	438	367	306	249	184	133	95	54	36
-5°	641	533	447	372	314	253	189	139	99	60	37
-7.5°	642	536	453	377	320	255	193	143	102	65	38
-10°	639	535	454	381	322	258	197	147	104	69	38
-12.5°	630	532	454	384	323	260	201	150	107	72	39
-15°	617	526	451	383	323	262	204	151	108	73	39
-17.5°	599	518	448	380	321	262	205	151	108	72	41
-20°	586	509	443	374	319	261	205	149	107	72	42

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CATALOG NUMBER: GFLD-SA3E-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°	572	500	434	368	317	260	203	146	106	70	43
-25°	553	489	424	365	313	256	198	140	104	69	44
-27.5°	537	476	414	360	306	251	191	137	101	67	44
-30°	521	463	405	352	298	244	182	133	98	66	43
-32.5°	505	450	394	341	289	236	173	128	95	65	42
-35°	488	435	381	328	279	225	166	121	92	64	41
-37.5°	469	418	366	316	269	214	162	119	89	61	40
-40°	450	401	350	305	257	203	157	117	85	57	38
-42.5°	430	383	336	293	245	196	150	113	81	54	37
-45°	410	365	321	278	234	186	144	108	76	52	35
-47.5°	390	347	303	260	221	176	136	101	70	49	34
-50°	368	324	281	243	205	164	126	94	67	47	33
-52.5°	342	297	261	226	189	150	116	85	64	45	31
-55°	314	275	243	208	172	136	105	80	60	43	29
-57.5°	293	257	224	190	155	123	96	74	56	40	28
-60°	271	236	204	170	137	110	88	68	52	37	26
-62.5°	245	213	180	148	121	99	80	63	47	35	25
-65°	215	184	154	129	106	88	72	57	43	32	23
-67.5°	181	156	131	109	92	78	64	50	38	28	20
-70°	154	131	110	94	80	67	55	43	33	25	18
-72.5°	129	111	94	79	68	56	46	36	28	21	15
-75°	106	91	77	66	55	46	37	30	23	17	14
-77.5°	84	72	61	52	44	37	30	23	18	15	12
-80°	63	55	48	40	34	28	23	19	16	13	11
-82.5°	45	39	34	30	25	21	18	15	13	11	9
-85°	29	26	23	20	17	15	13	11	9	7	6
-87.5°	14	13	11	10	9	8	7	5	5	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: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-727-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	1	0	0	0
65°	1	2	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	2	0	0
45°	5	3	3	4	2	0	0
42.5°	5	4	4	4	2	0	0
40°	6	4	4	4	2	0	0
37.5°	6	4	4	4	3	0	0
35°	7	5	4	4	3	0	0
32.5°	7	5	4	4	3	0	0
30°	8	6	4	4	3	0	0
27.5°	8	6	4	4	3	0	0
25°	8	7	4	4	3	0	0
22.5°	8	7	4	4	4	0	0
20°	9	7	4	4	4	0	0
17.5°	9	8	4	4	4	0	0
15°	9	8	4	4	4	0	0
12.5°	10	8	4	4	4	0	0
10°	11	8	4	4	4	0	0
7.5°	11	9	4	4	4	0	0
5°	12	9	4	4	4	0	0
2.5°	12	9	4	4	4	0	0
0°	13	9	4	4	4	0	0
-2.5°	15	9	5	4	4	0	0
-5°	17	10	5	4	4	0	0
-7.5°	19	10	5	4	4	0	0
-10°	21	10	6	4	4	0	0
-12.5°	23	11	6	4	4	0	0
-15°	24	11	6	4	4	1	0
-17.5°	24	11	6	4	4	1	0
-20°	25	11	7	4	4	1	0

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REPORT NUMBER: P627256 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-727-U-MWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25	11	7	4	4	1	0
-25°	25	12	7	4	4	1	0
-27.5°	25	13	7	4	4	1	0
-30°	24	13	6	4	4	1	0
-32.5°	23	14	7	4	4	1	0
-35°	24	14	7	4	4	1	0
-37.5°	24	14	7	4	4	1	0
-40°	24	14	7	4	4	1	0
-42.5°	24	14	7	4	4	1	0
-45°	23	14	8	5	4	1	0
-47.5°	22	14	8	5	4	1	0
-50°	22	14	8	5	4	1	0
-52.5°	21	13	8	5	4	1	0
-55°	20	13	8	5	4	1	0
-57.5°	19	12	8	5	4	1	0
-60°	18	12	7	5	4	1	0
-62.5°	17	11	7	5	4	1	0
-65°	16	10	7	5	3	1	0
-67.5°	14	10	7	5	3	1	0
-70°	12	9	7	5	3	1	0
-72.5°	12	9	7	5	2	1	0
-75°	11	8	6	4	2	1	0
-77.5°	10	8	6	3	2	0	0
-80°	9	6	4	3	1	0	0
-82.5°	7	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)