

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: P627496 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-MWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627496 (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-SA4E-727-U-MWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

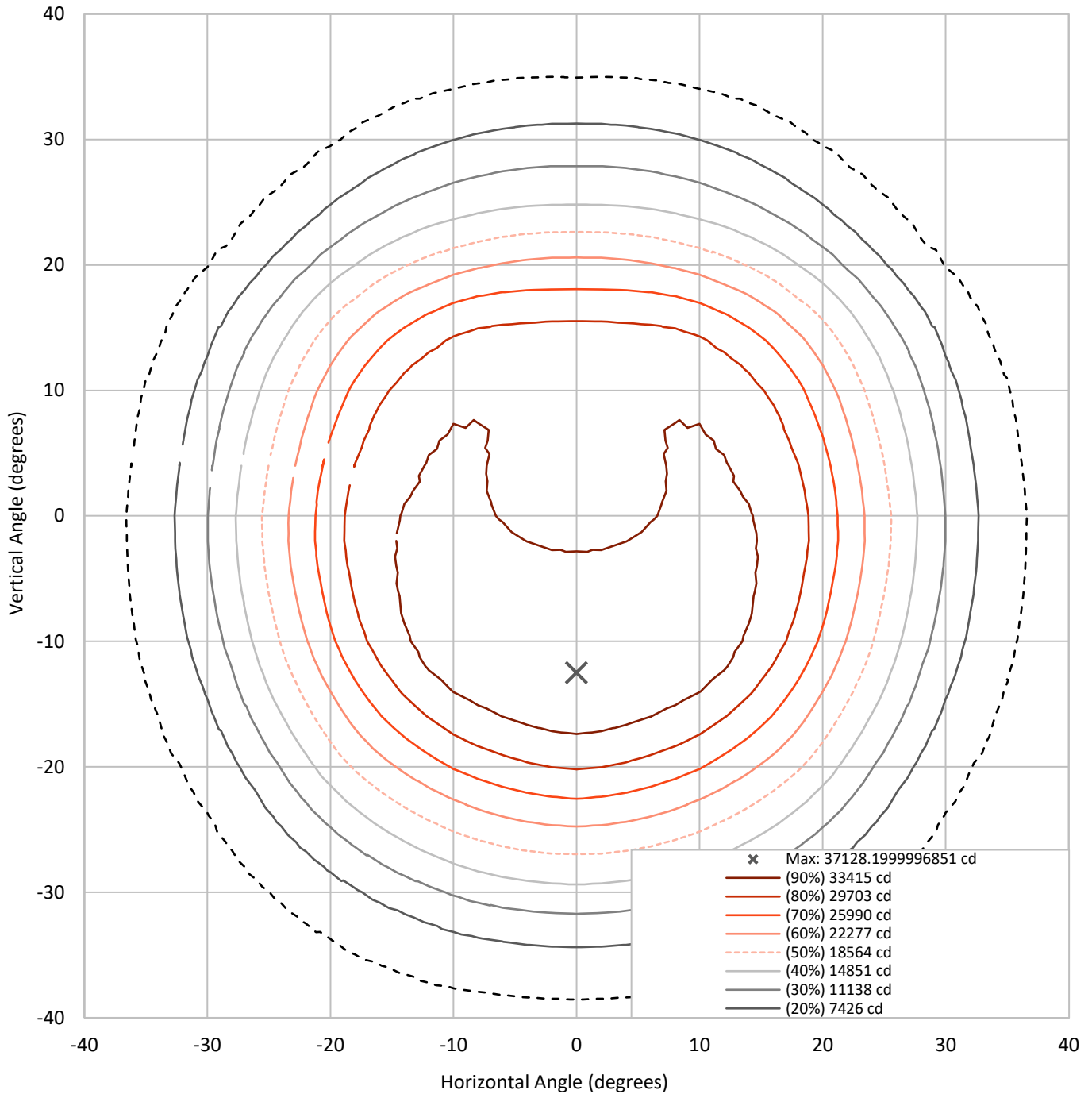
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 5V
Luminaire Lumens:	26501.4 lumens	Max Intensity:	37128.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	103.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	46.4°H x 49.6°V	Field Angle (10%):	69.9°H x 73.3°V
Beam Lumens:	17750.6 lumens	Field Lumens:	23887 lumens
Beam Efficiency:	67.0%	Field Efficiency:	90.1%
Input Watts (W):	255.9		
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		



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Iso-Candela Plot





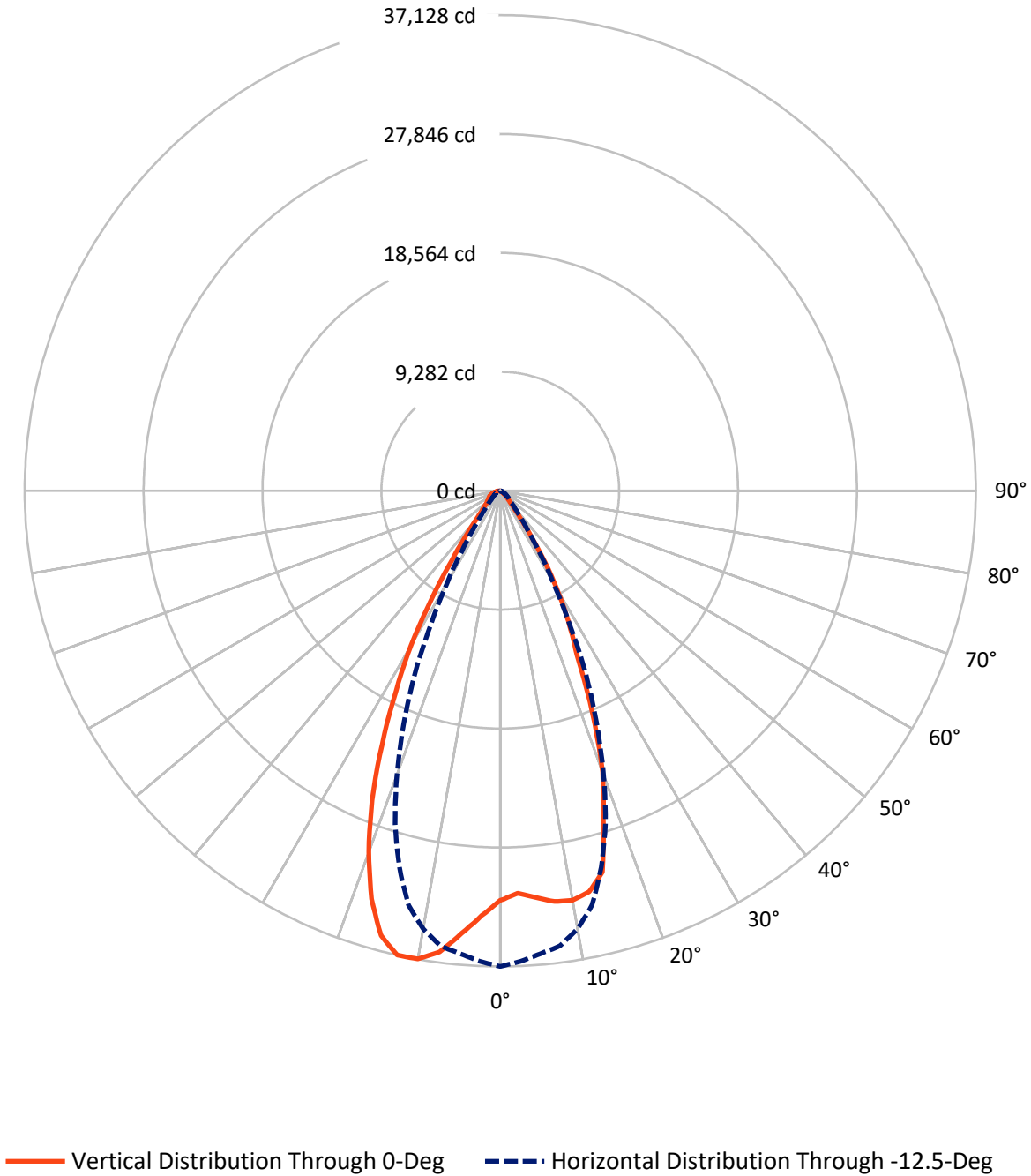
REPORT NUMBER: P627496 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1			
50		0.1	0.2	0.9	2.2	3.6	5.1	5.9	5.9	5.1	3.6	2.2	0.9	0.2	0.1				
40	0.1	0.2	1.0	3.7	7.4	12.2	18.2	22.3	22.3	18.2	12.2	7.4	3.7	1.0	0.2	0.1			
30		0.5	2.9	7.7	15.9	34.4	78.2	119.5	119.5	78.2	34.4	15.9	7.7	2.9	0.5				
20	0.3	1.1	4.9	12.4	33.3	123.2	317.2	443.4	443.4	317.2	123.2	33.3	12.4	4.9	1.1	0.3			
10		1.8	6.9	19.1	79.1	342.1	713.7	883.6	883.6	713.7	342.1	79.1	19.1	6.9	1.8				
0	0.5	2.3	8.6	24.7	126.0	503.8	920.2	997.6	997.6	920.2	503.8	126.0	24.7	8.6	2.3	0.5			
-10		2.7	9.4	26.4	131.8	520.3	953.3	1058.8	1058.8	953.3	520.3	131.8	26.4	9.4	2.7				
-20	0.7	2.9	9.6	24.0	94.3	387.4	804.3	1026.9	1026.9	804.3	387.4	94.3	24.0	9.6	2.9	0.7			
-30		2.8	9.1	20.0	52.7	187.9	448.1	630.6	630.6	448.1	187.9	52.7	20.0	9.1	2.8				
-40	0.7	2.5	8.1	16.6	31.5	66.9	140.0	207.8	207.8	140.0	66.9	31.5	16.6	8.1	2.5	0.7			
-50		2.1	6.8	13.8	23.0	34.0	47.8	56.6	56.6	47.8	34.0	23.0	13.8	6.8	2.1				
-60	0.5	1.6	5.1	10.9	18.1	25.0	31.2	34.2	34.2	31.2	25.0	18.1	10.9	5.1	1.6	0.5			
-70		1.1	3.3	7.4	12.7	17.9	22.7	25.3	25.3	22.7	17.9	12.7	7.4	3.3	1.1				
-80	0.2	2.9	13.3	28.4	36.4	28.4	13.3	2.9	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

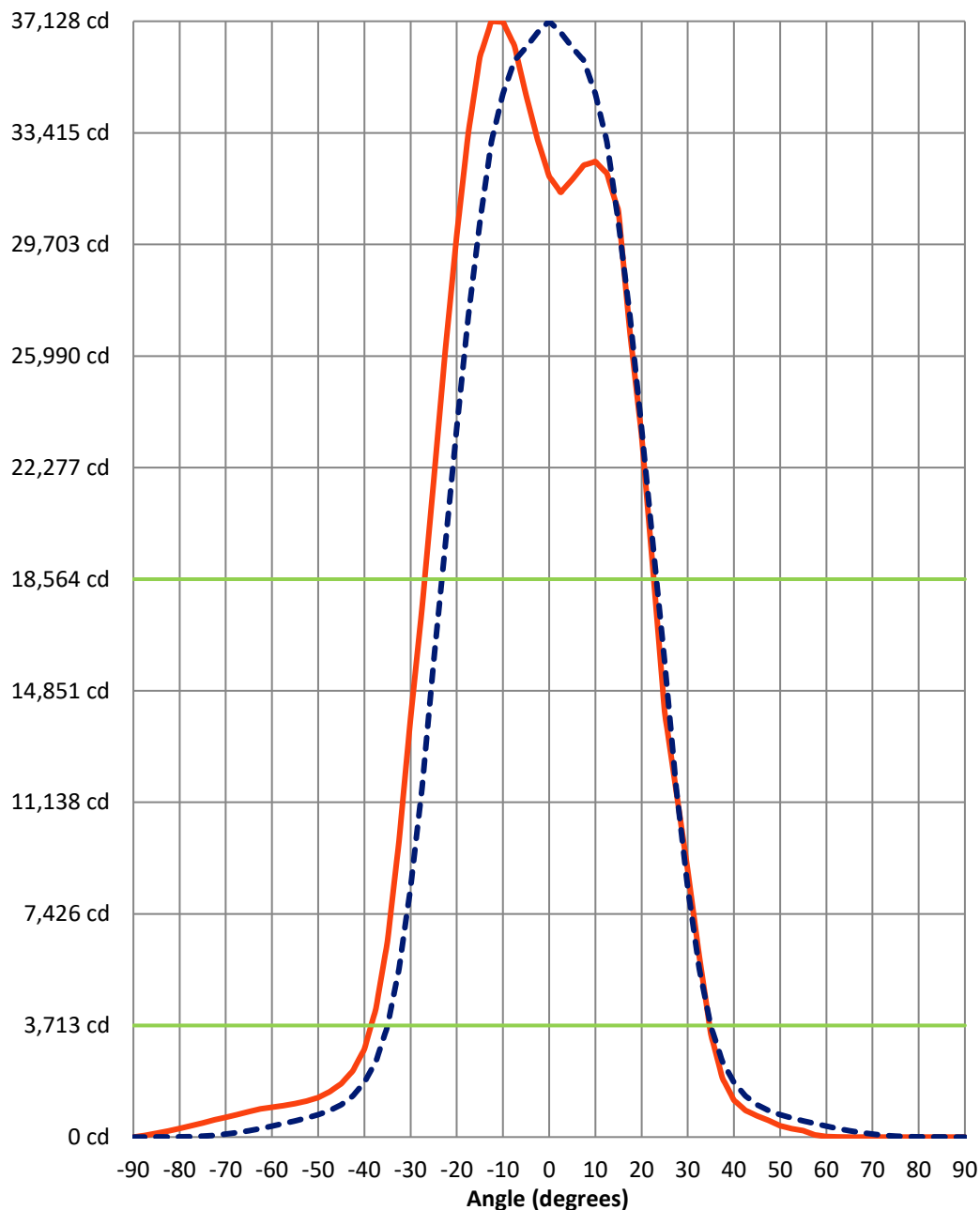
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.4°
 V Angle: 49.6°
 Lumens: 17750.6
 Efficiency: 67.0%

Field:
 H Angle: 69.9°
 V Angle: 73.3°
 Lumens: 23887
 Efficiency: 90.1%

Spill:
 Lumens: 2614.5
 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	1	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	1	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	3	3	4
60°	0	0	0	3	4	3	1	3	4	4	6
57.5°	0	0	0	3	4	3	2	4	5	5	6
55°	0	0	1	4	4	3	3	6	6	6	6
52.5°	0	0	1	5	4	3	5	6	6	6	6
50°	0	0	2	5	4	4	5	6	6	6	7
47.5°	0	0	2	6	5	4	6	7	6	6	8
45°	0	0	3	6	5	5	7	7	6	8	10
42.5°	0	0	3	6	5	5	7	8	7	9	12
40°	0	0	3	6	5	6	8	8	8	11	15
37.5°	0	0	4	6	6	6	9	9	10	14	17
35°	0	0	4	6	6	7	10	9	12	17	23
32.5°	0	0	4	6	6	7	10	9	15	22	36
30°	0	0	4	6	6	8	11	10	17	27	49
27.5°	0	0	5	6	6	8	11	12	20	33	60
25°	0	0	5	6	6	9	11	14	25	41	71
22.5°	0	0	5	6	6	10	12	16	29	50	83
20°	0	0	5	6	6	10	12	18	34	58	96
17.5°	0	0	6	6	6	11	13	20	40	66	110
15°	0	0	6	6	6	11	13	23	45	72	123
12.5°	0	0	6	6	6	11	14	27	50	78	136
10°	0	0	6	6	6	12	15	31	55	88	148
7.5°	0	0	6	6	6	12	16	36	59	98	158
5°	0	0	6	6	6	12	17	40	62	108	166
2.5°	0	0	6	6	6	12	17	45	65	118	172
0°	0	0	6	6	6	12	18	49	67	128	176
-2.5°	0	0	6	6	7	13	22	50	76	134	186
-5°	0	0	6	6	7	13	25	52	84	138	194
-7.5°	0	0	6	6	8	14	27	53	91	143	201
-10°	0	1	6	6	8	14	30	54	97	146	206
-12.5°	0	1	6	6	9	15	32	55	101	149	210
-15°	0	1	6	6	9	15	33	55	102	151	212
-17.5°	0	1	6	6	9	15	34	57	102	151	212
-20°	0	1	6	6	9	16	35	59	100	151	209

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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	6	6	9	16	35	61	99	149	204
-25°	0	1	5	6	9	17	35	62	97	145	196
-27.5°	0	1	5	6	9	18	35	62	94	141	192
-30°	0	1	5	6	9	19	34	61	93	137	186
-32.5°	0	1	5	6	9	19	33	59	92	133	179
-35°	0	1	5	6	10	20	33	58	89	129	170
-37.5°	0	1	5	6	10	20	34	56	85	125	167
-40°	0	2	5	6	10	20	34	54	80	120	164
-42.5°	0	2	5	6	10	20	33	51	76	114	159
-45°	0	2	5	7	11	20	32	49	73	106	151
-47.5°	0	2	5	7	11	20	31	48	69	98	142
-50°	0	2	5	7	11	19	31	46	66	94	131
-52.5°	0	1	5	7	11	18	30	43	63	89	120
-55°	0	1	5	7	11	18	28	41	60	83	113
-57.5°	0	1	5	7	11	17	27	39	56	78	104
-60°	0	1	5	7	11	17	25	37	52	73	96
-62.5°	0	1	5	8	10	16	24	34	49	66	88
-65°	0	1	5	7	10	15	22	32	44	60	80
-67.5°	0	1	4	7	10	14	20	29	39	53	70
-70°	0	1	4	7	10	13	18	25	35	46	61
-72.5°	0	1	3	7	9	12	16	21	30	39	50
-75°	0	1	3	6	9	12	15	19	24	32	42
-77.5°	0	1	3	5	8	11	14	17	21	26	32
-80°	0	1	2	4	6	9	12	15	18	22	26
-82.5°	0	0	2	3	5	7	9	12	15	18	21
-85°	0	0	1	2	3	5	6	8	10	13	15
-87.5°	0	0	1	1	2	2	3	4	5	6	8
-90°	0	0	0	0	0	0	0	0	0	0	0

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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	1	1	0	0	0	0	0	0	0
67.5°	0	2	2	1	0	0	0	0	0	0	0
65°	3	4	3	2	0	1	2	2	0	0	0
62.5°	6	5	3	3	3	5	4	2	1	1	2
60°	6	5	4	5	6	5	4	4	5	6	14
57.5°	6	6	6	7	7	6	8	9	22	36	40
55°	6	6	7	8	9	11	16	34	51	63	68
52.5°	7	7	9	11	14	23	42	62	78	91	107
50°	8	10	13	17	27	47	71	93	114	133	157
47.5°	10	13	18	27	49	76	104	132	157	184	218
45°	13	20	26	47	75	109	144	175	201	233	262
42.5°	15	30	45	67	107	147	187	212	241	275	315
40°	25	42	64	98	141	189	224	252	282	330	378
37.5°	37	59	85	129	181	227	261	295	339	395	452
35°	51	75	113	163	220	263	301	343	404	467	535
32.5°	65	90	141	197	251	297	339	402	466	536	629
30°	78	113	168	229	280	328	388	457	521	607	716
27.5°	93	137	196	256	308	358	436	504	576	675	806
25°	108	162	222	280	334	398	484	555	630	755	931
22.5°	127	185	248	303	359	439	531	620	718	843	1060
20°	147	207	271	330	383	479	582	692	824	998	1283
17.5°	166	227	293	357	424	522	637	766	931	1147	1566
15°	183	245	314	384	462	566	692	851	1050	1319	1840
12.5°	198	261	335	411	496	605	741	914	1148	1536	2191
10°	212	276	355	436	526	640	783	966	1228	1691	2452
7.5°	224	291	374	460	552	671	819	1009	1299	1813	2656
5°	234	309	390	478	572	696	848	1042	1359	1903	2813
2.5°	242	326	403	493	586	715	872	1073	1416	1976	2947
0°	250	341	414	505	597	730	889	1096	1461	2027	3050
-2.5°	258	349	428	515	614	741	897	1112	1476	2034	3029
-5°	265	354	440	522	627	747	899	1119	1474	2018	2967
-7.5°	271	357	449	528	634	750	900	1115	1458	1985	2865
-10°	276	361	452	534	636	750	895	1101	1424	1919	2713
-12.5°	282	365	453	538	636	746	884	1077	1369	1821	2517
-15°	285	367	452	537	633	737	865	1042	1296	1690	2274
-17.5°	287	367	450	533	627	726	839	1001	1229	1575	2100
-20°	287	366	447	524	620	713	822	969	1173	1465	1888

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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°	284	364	444	516	608	700	801	930	1102	1341	1683
-25°	278	359	438	512	595	685	775	888	1038	1250	1534
-27.5°	268	352	429	504	580	668	753	855	986	1149	1376
-30°	255	342	418	493	568	649	731	818	932	1074	1257
-32.5°	242	330	404	478	553	630	707	788	886	1004	1147
-35°	233	316	391	460	535	610	683	758	839	944	1066
-37.5°	227	300	377	442	513	586	657	729	803	886	997
-40°	220	285	361	427	490	561	630	698	767	849	934
-42.5°	210	274	344	411	471	536	602	667	736	812	892
-45°	202	261	327	390	451	511	575	636	703	775	849
-47.5°	190	246	309	365	425	486	547	608	667	734	805
-50°	176	230	287	341	394	454	515	576	635	692	754
-52.5°	162	210	264	317	366	417	479	541	599	656	711
-55°	147	191	241	292	341	385	440	502	560	615	672
-57.5°	135	172	217	266	314	360	410	463	520	573	628
-60°	124	154	193	238	286	331	380	429	480	532	581
-62.5°	112	139	170	208	252	298	343	390	438	482	527
-65°	101	123	149	181	216	257	301	345	389	429	466
-67.5°	90	109	130	153	184	219	254	294	335	373	409
-70°	77	94	112	132	155	183	215	248	280	314	349
-72.5°	64	79	95	111	131	155	180	206	235	264	294
-75°	52	64	78	92	108	128	149	171	194	217	242
-77.5°	41	52	62	73	86	101	118	135	154	172	191
-80°	32	39	47	57	67	77	89	101	115	130	145
-82.5°	25	30	36	41	48	55	63	72	82	93	104
-85°	18	21	24	28	32	36	41	45	52	59	66
-87.5°	9	11	12	14	16	18	20	21	25	28	31
-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	5
60°	16	12	15	20	19	15	22	25	23	18	19
57.5°	43	46	53	62	68	72	78	84	89	91	94
55°	78	94	110	118	131	151	168	170	173	177	187
52.5°	125	143	152	167	192	208	217	231	246	261	274
50°	182	197	216	239	264	280	285	310	340	365	380
47.5°	239	260	293	334	355	373	398	431	464	500	528
45°	292	329	372	408	436	467	502	541	594	644	682
42.5°	352	394	437	480	510	563	622	669	745	812	853
40°	423	464	526	578	642	708	811	906	1002	1112	1193
37.5°	507	571	658	741	836	934	1118	1306	1460	1675	1795
35°	609	708	830	955	1108	1343	1611	1974	2352	2666	2969
32.5°	726	853	1022	1246	1501	1879	2282	2951	3602	4253	4892
30°	841	1025	1284	1592	2012	2610	3370	4403	5522	6502	7390
27.5°	995	1256	1592	2052	2766	3643	5046	6481	7906	9179	10093
25°	1181	1531	2006	2767	3799	5253	7133	8892	10565	11812	12863
22.5°	1450	1974	2649	3618	5491	7513	9762	11976	13855	15427	16463
20°	1782	2491	3620	5376	7579	10108	13003	15331	17645	19414	20994
17.5°	2253	3382	4975	7206	9838	13211	16192	18788	21726	23534	25146
15°	2676	4127	6399	9244	12329	15904	19419	22599	25435	27422	29224
12.5°	3211	4919	7530	10878	14251	18231	21886	25291	28068	30113	31374
10°	3690	5731	8661	12162	15939	20097	23884	27428	30119	31699	32626
7.5°	4077	6406	9577	13261	17248	21433	25434	28951	31526	32848	33481
5°	4377	6907	10295	14162	18303	22586	26669	30112	32280	33373	33727
2.5°	4602	7255	10778	14755	19016	23437	27606	30999	32849	33637	33754
0°	4754	7500	11092	15128	19626	23742	28112	31558	33317	33950	34011
-2.5°	4718	7411	11078	14993	19556	23879	28193	31594	33476	34327	34465
-5°	4622	7203	10710	14609	19000	23329	27444	31034	33345	34630	35199
-7.5°	4437	6842	10082	13876	18099	22432	26628	30353	33012	34820	35933
-10°	4122	6316	9278	12948	17110	21239	25388	29254	32117	34293	35844
-12.5°	3691	5601	8299	11635	15818	19673	23601	27306	30431	33114	34717
-15°	3247	4858	7280	10333	13975	17771	21400	25035	28120	30629	32628
-17.5°	2930	4206	6101	8772	11971	15572	19113	22452	25235	27594	29691
-20°	2529	3477	4978	7224	10039	13188	16579	19551	22037	24249	26251

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627496 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-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°	2210	2978	4061	5594	8123	10900	13674	16411	18747	20717	22427
-25°	1920	2459	3306	4552	6197	8595	10933	13243	15401	17232	18772
-27.5°	1693	2122	2686	3573	4821	6221	8269	10200	12055	13729	15181
-30°	1486	1807	2249	2804	3653	4692	5924	7368	8848	10169	11488
-32.5°	1338	1566	1870	2281	2757	3501	4246	5217	6154	7118	8064
-35°	1204	1388	1595	1870	2196	2631	3121	3715	4215	4846	5428
-37.5°	1113	1242	1400	1574	1807	2049	2382	2742	3053	3404	3700
-40°	1037	1138	1245	1363	1523	1686	1901	2104	2301	2515	2675
-42.5°	973	1055	1132	1222	1317	1449	1593	1719	1838	1964	2069
-45°	923	984	1046	1116	1188	1283	1386	1480	1558	1628	1685
-47.5°	869	924	979	1033	1095	1164	1231	1291	1356	1410	1450
-50°	816	871	920	967	1021	1075	1128	1176	1222	1263	1287
-52.5°	765	821	870	913	958	1003	1046	1090	1130	1166	1183
-55°	726	777	827	866	904	941	980	1021	1059	1094	1104
-57.5°	683	735	783	819	854	887	924	961	998	1030	1041
-60°	634	689	730	764	800	837	871	905	938	966	978
-62.5°	575	624	662	696	728	758	795	831	866	894	912
-65°	505	547	584	618	649	678	713	746	778	803	821
-67.5°	443	477	507	537	567	598	630	661	691	713	727
-70°	382	414	442	470	497	523	550	576	601	620	635
-72.5°	323	350	375	400	424	448	470	493	514	531	545
-75°	267	290	311	332	353	371	389	406	423	437	450
-77.5°	210	229	247	265	283	298	311	325	337	349	361
-80°	161	175	188	201	215	226	237	247	256	266	275
-82.5°	116	124	133	142	151	159	167	174	181	188	194
-85°	73	78	83	88	93	98	103	107	111	116	120
-87.5°	35	37	40	42	44	46	49	51	53	55	57
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627496 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
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	6	6	6	6	6	5	5	4	4	4
60°	19	18	18	18	18	18	19	19	18	23	25
57.5°	92	85	79	73	79	85	92	94	91	89	84
55°	199	210	215	213	215	210	199	187	177	173	170
52.5°	283	288	287	280	287	288	283	274	261	246	231
50°	386	387	384	377	384	387	386	380	365	340	310
47.5°	543	551	555	554	555	551	543	528	500	464	431
45°	696	704	707	706	707	704	696	682	644	594	541
42.5°	875	889	893	889	893	889	875	853	812	745	669
40°	1240	1256	1249	1230	1249	1256	1240	1193	1112	1002	906
37.5°	1879	1940	1966	1966	1966	1940	1879	1795	1675	1460	1306
35°	3241	3458	3558	3433	3558	3458	3241	2969	2666	2352	1974
32.5°	5413	5798	6015	6015	6015	5798	5413	4892	4253	3602	2951
30°	8060	8542	8812	8870	8812	8542	8060	7390	6502	5522	4403
27.5°	10805	11303	11562	11524	11562	11303	10805	10093	9179	7906	6481
25°	13560	13936	14154	14160	14154	13936	13560	12863	11812	10565	8892
22.5°	17628	18421	18748	18835	18748	18421	17628	16463	15427	13855	11976
20°	22064	22833	23328	23358	23328	22833	22064	20994	19414	17645	15331
17.5°	26290	26671	26741	26773	26741	26671	26290	25146	23534	21726	18788
15°	30273	30407	30759	30803	30759	30407	30273	29224	27422	25435	22599
12.5°	32165	32288	32227	32063	32227	32288	32165	31374	30113	28068	25291
10°	33196	33024	32767	32459	32767	33024	33196	32626	31699	30119	27428
7.5°	33430	33238	32786	32337	32786	33238	33430	33481	32848	31526	28951
5°	33541	32979	32407	31862	32407	32979	33541	33727	33373	32280	30112
2.5°	33475	32807	32022	31436	32022	32807	33475	33754	33637	32849	30999
0°	33689	33013	32191	31972	32191	33013	33689	34011	33950	33317	31558
-2.5°	34283	33736	33307	33189	33307	33736	34283	34465	34327	33476	31594
-5°	35353	35232	34504	34675	34504	35232	35353	35199	34630	33345	31034
-7.5°	36387	36215	35907	36306	35907	36215	36387	35933	34820	33012	30353
-10°	36662	36605	36750	37104	36750	36605	36662	35844	34293	32117	29254
-12.5°	35819	36261	36755	37128	36755	36261	35819	34717	33114	30431	27306
-15°	33941	34844	35584	35935	35584	34844	33941	32628	30629	28120	25035
-17.5°	31175	32282	33159	33409	33159	32282	31175	29691	27594	25235	22452
-20°	27769	28895	29693	30012	29693	28895	27769	26251	24249	22037	19551



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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°	23937	25036	25759	26140	25759	25036	23937	22427	20717	18747	16411
-25°	20047	21013	21655	21824	21655	21013	20047	18772	17232	15401	13243
-27.5°	16327	17104	17577	17630	17577	17104	16327	15181	13729	12055	10200
-30°	12585	13307	13717	13934	13717	13307	12585	11488	10169	8848	7368
-32.5°	8839	9412	9758	9850	9758	9412	8839	8064	7118	6154	5217
-35°	5893	6250	6469	6514	6469	6250	5893	5428	4846	4215	3715
-37.5°	3940	4114	4221	4273	4221	4114	3940	3700	3404	3053	2742
-40°	2792	2873	2919	2928	2919	2873	2792	2675	2515	2301	2104
-42.5°	2135	2177	2198	2204	2198	2177	2135	2069	1964	1838	1719
-45°	1725	1754	1772	1778	1772	1754	1725	1685	1628	1558	1480
-47.5°	1476	1495	1506	1510	1506	1495	1476	1450	1410	1356	1291
-50°	1302	1313	1317	1315	1317	1313	1302	1287	1263	1222	1176
-52.5°	1193	1200	1202	1199	1202	1200	1193	1183	1166	1130	1090
-55°	1111	1116	1117	1114	1117	1116	1111	1104	1094	1059	1021
-57.5°	1049	1055	1053	1047	1053	1055	1049	1041	1030	998	961
-60°	987	995	995	992	995	995	987	978	966	938	905
-62.5°	926	938	940	938	940	938	926	912	894	866	831
-65°	837	852	852	846	852	852	837	821	803	778	746
-67.5°	740	751	751	749	751	751	740	727	713	691	661
-70°	648	660	660	658	660	660	648	635	620	601	576
-72.5°	557	569	572	572	572	569	557	545	531	514	493
-75°	462	472	471	469	471	472	462	450	437	423	406
-77.5°	371	381	380	377	380	381	371	361	349	337	325
-80°	283	291	289	286	289	291	283	275	266	256	247
-82.5°	200	206	204	201	204	206	200	194	188	181	174
-85°	124	127	128	128	128	127	124	120	116	111	107
-87.5°	59	61	58	55	58	61	59	57	55	53	51
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P627496 (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	2
62.5°	3	1	1	2	2	2	2	2	1	1	2
60°	22	15	19	20	15	12	16	14	6	5	4
57.5°	78	72	68	62	53	46	43	40	36	22	9
55°	168	151	131	118	110	94	78	68	63	51	34
52.5°	217	208	192	167	152	143	125	107	91	78	62
50°	285	280	264	239	216	197	182	157	133	114	93
47.5°	398	373	355	334	293	260	239	218	184	157	132
45°	502	467	436	408	372	329	292	262	233	201	175
42.5°	622	563	510	480	437	394	352	315	275	241	212
40°	811	708	642	578	526	464	423	378	330	282	252
37.5°	1118	934	836	741	658	571	507	452	395	339	295
35°	1611	1343	1108	955	830	708	609	535	467	404	343
32.5°	2282	1879	1501	1246	1022	853	726	629	536	466	402
30°	3370	2610	2012	1592	1284	1025	841	716	607	521	457
27.5°	5046	3643	2766	2052	1592	1256	995	806	675	576	504
25°	7133	5253	3799	2767	2006	1531	1181	931	755	630	555
22.5°	9762	7513	5491	3618	2649	1974	1450	1060	843	718	620
20°	13003	10108	7579	5376	3620	2491	1782	1283	998	824	692
17.5°	16192	13211	9838	7206	4975	3382	2253	1566	1147	931	766
15°	19419	15904	12329	9244	6399	4127	2676	1840	1319	1050	851
12.5°	21886	18231	14251	10878	7530	4919	3211	2191	1536	1148	914
10°	23884	20097	15939	12162	8661	5731	3690	2452	1691	1228	966
7.5°	25434	21433	17248	13261	9577	6406	4077	2656	1813	1299	1009
5°	26669	22586	18303	14162	10295	6907	4377	2813	1903	1359	1042
2.5°	27606	23437	19016	14755	10778	7255	4602	2947	1976	1416	1073
0°	28112	23742	19626	15128	11092	7500	4754	3050	2027	1461	1096
-2.5°	28193	23879	19556	14993	11078	7411	4718	3029	2034	1476	1112
-5°	27444	23329	19000	14609	10710	7203	4622	2967	2018	1474	1119
-7.5°	26628	22432	18099	13876	10082	6842	4437	2865	1985	1458	1115
-10°	25388	21239	17110	12948	9278	6316	4122	2713	1919	1424	1101
-12.5°	23601	19673	15818	11635	8299	5601	3691	2517	1821	1369	1077
-15°	21400	17771	13975	10333	7280	4858	3247	2274	1690	1296	1042
-17.5°	19113	15572	11971	8772	6101	4206	2930	2100	1575	1229	1001
-20°	16579	13188	10039	7224	4978	3477	2529	1888	1465	1173	969

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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°	13674	10900	8123	5594	4061	2978	2210	1683	1341	1102	930
-25°	10933	8595	6197	4552	3306	2459	1920	1534	1250	1038	888
-27.5°	8269	6221	4821	3573	2686	2122	1693	1376	1149	986	855
-30°	5924	4692	3653	2804	2249	1807	1486	1257	1074	932	818
-32.5°	4246	3501	2757	2281	1870	1566	1338	1147	1004	886	788
-35°	3121	2631	2196	1870	1595	1388	1204	1066	944	839	758
-37.5°	2382	2049	1807	1574	1400	1242	1113	997	886	803	729
-40°	1901	1686	1523	1363	1245	1138	1037	934	849	767	698
-42.5°	1593	1449	1317	1222	1132	1055	973	892	812	736	667
-45°	1386	1283	1188	1116	1046	984	923	849	775	703	636
-47.5°	1231	1164	1095	1033	979	924	869	805	734	667	608
-50°	1128	1075	1021	967	920	871	816	754	692	635	576
-52.5°	1046	1003	958	913	870	821	765	711	656	599	541
-55°	980	941	904	866	827	777	726	672	615	560	502
-57.5°	924	887	854	819	783	735	683	628	573	520	463
-60°	871	837	800	764	730	689	634	581	532	480	429
-62.5°	795	758	728	696	662	624	575	527	482	438	390
-65°	713	678	649	618	584	547	505	466	429	389	345
-67.5°	630	598	567	537	507	477	443	409	373	335	294
-70°	550	523	497	470	442	414	382	349	314	280	248
-72.5°	470	448	424	400	375	350	323	294	264	235	206
-75°	389	371	353	332	311	290	267	242	217	194	171
-77.5°	311	298	283	265	247	229	210	191	172	154	135
-80°	237	226	215	201	188	175	161	145	130	115	101
-82.5°	167	159	151	142	133	124	116	104	93	82	72
-85°	103	98	93	88	83	78	73	66	59	52	45
-87.5°	49	46	44	42	40	37	35	31	28	25	21
-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	1	1	0	0	0	0	0	0
67.5°	0	0	0	1	2	2	0	1	1	0	0
65°	2	1	0	2	3	4	3	2	2	1	0
62.5°	4	5	3	3	3	5	6	4	3	3	1
60°	4	5	6	5	4	5	6	6	4	4	3
57.5°	8	6	7	7	6	6	6	6	5	5	4
55°	16	11	9	8	7	6	6	6	6	6	6
52.5°	42	23	14	11	9	7	7	6	6	6	6
50°	71	47	27	17	13	10	8	7	6	6	6
47.5°	104	76	49	27	18	13	10	8	6	6	7
45°	144	109	75	47	26	20	13	10	8	6	7
42.5°	187	147	107	67	45	30	15	12	9	7	8
40°	224	189	141	98	64	42	25	15	11	8	8
37.5°	261	227	181	129	85	59	37	17	14	10	9
35°	301	263	220	163	113	75	51	23	17	12	9
32.5°	339	297	251	197	141	90	65	36	22	15	9
30°	388	328	280	229	168	113	78	49	27	17	10
27.5°	436	358	308	256	196	137	93	60	33	20	12
25°	484	398	334	280	222	162	108	71	41	25	14
22.5°	531	439	359	303	248	185	127	83	50	29	16
20°	582	479	383	330	271	207	147	96	58	34	18
17.5°	637	522	424	357	293	227	166	110	66	40	20
15°	692	566	462	384	314	245	183	123	72	45	23
12.5°	741	605	496	411	335	261	198	136	78	50	27
10°	783	640	526	436	355	276	212	148	88	55	31
7.5°	819	671	552	460	374	291	224	158	98	59	36
5°	848	696	572	478	390	309	234	166	108	62	40
2.5°	872	715	586	493	403	326	242	172	118	65	45
0°	889	730	597	505	414	341	250	176	128	67	49
-2.5°	897	741	614	515	428	349	258	186	134	76	50
-5°	899	747	627	522	440	354	265	194	138	84	52
-7.5°	900	750	634	528	449	357	271	201	143	91	53
-10°	895	750	636	534	452	361	276	206	146	97	54
-12.5°	884	746	636	538	453	365	282	210	149	101	55
-15°	865	737	633	537	452	367	285	212	151	102	55
-17.5°	839	726	627	533	450	367	287	212	151	102	57
-20°	822	713	620	524	447	366	287	209	151	100	59

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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°	801	700	608	516	444	364	284	204	149	99	61
-25°	775	685	595	512	438	359	278	196	145	97	62
-27.5°	753	668	580	504	429	352	268	192	141	94	62
-30°	731	649	568	493	418	342	255	186	137	93	61
-32.5°	707	630	553	478	404	330	242	179	133	92	59
-35°	683	610	535	460	391	316	233	170	129	89	58
-37.5°	657	586	513	442	377	300	227	167	125	85	56
-40°	630	561	490	427	361	285	220	164	120	80	54
-42.5°	602	536	471	411	344	274	210	159	114	76	51
-45°	575	511	451	390	327	261	202	151	106	73	49
-47.5°	547	486	425	365	309	246	190	142	98	69	48
-50°	515	454	394	341	287	230	176	131	94	66	46
-52.5°	479	417	366	317	264	210	162	120	89	63	43
-55°	440	385	341	292	241	191	147	113	83	60	41
-57.5°	410	360	314	266	217	172	135	104	78	56	39
-60°	380	331	286	238	193	154	124	96	73	52	37
-62.5°	343	298	252	208	170	139	112	88	66	49	34
-65°	301	257	216	181	149	123	101	80	60	44	32
-67.5°	254	219	184	153	130	109	90	70	53	39	29
-70°	215	183	155	132	112	94	77	61	46	35	25
-72.5°	180	155	131	111	95	79	64	50	39	30	21
-75°	149	128	108	92	78	64	52	42	32	24	19
-77.5°	118	101	86	73	62	52	41	32	26	21	17
-80°	89	77	67	57	47	39	32	26	22	18	15
-82.5°	63	55	48	41	36	30	25	21	18	15	12
-85°	41	36	32	28	24	21	18	15	13	10	8
-87.5°	20	18	16	14	12	11	9	8	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	1	0	0	0	0	0
72.5°	0	1	1	0	0	0	0
70°	1	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	3	4	3	0	0	0
57.5°	2	3	4	3	0	0	0
55°	3	3	4	4	1	0	0
52.5°	5	3	4	5	1	0	0
50°	5	4	4	5	2	0	0
47.5°	6	4	5	6	2	0	0
45°	7	5	5	6	3	0	0
42.5°	7	5	5	6	3	0	0
40°	8	6	5	6	3	0	0
37.5°	9	6	6	6	4	0	0
35°	10	7	6	6	4	0	0
32.5°	10	7	6	6	4	0	0
30°	11	8	6	6	4	0	0
27.5°	11	8	6	6	5	0	0
25°	11	9	6	6	5	0	0
22.5°	12	10	6	6	5	0	0
20°	12	10	6	6	5	0	0
17.5°	13	11	6	6	6	0	0
15°	13	11	6	6	6	0	0
12.5°	14	11	6	6	6	0	0
10°	15	12	6	6	6	0	0
7.5°	16	12	6	6	6	0	0
5°	17	12	6	6	6	0	0
2.5°	17	12	6	6	6	0	0
0°	18	12	6	6	6	0	0
-2.5°	22	13	7	6	6	0	0
-5°	25	13	7	6	6	0	0
-7.5°	27	14	8	6	6	0	0
-10°	30	14	8	6	6	1	0
-12.5°	32	15	9	6	6	1	0
-15°	33	15	9	6	6	1	0
-17.5°	34	15	9	6	6	1	0
-20°	35	16	9	6	6	1	0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	35	16	9	6	6	1	0
-25°	35	17	9	6	5	1	0
-27.5°	35	18	9	6	5	1	0
-30°	34	19	9	6	5	1	0
-32.5°	33	19	9	6	5	1	0
-35°	33	20	10	6	5	1	0
-37.5°	34	20	10	6	5	1	0
-40°	34	20	10	6	5	2	0
-42.5°	33	20	10	6	5	2	0
-45°	32	20	11	7	5	2	0
-47.5°	31	20	11	7	5	2	0
-50°	31	19	11	7	5	2	0
-52.5°	30	18	11	7	5	1	0
-55°	28	18	11	7	5	1	0
-57.5°	27	17	11	7	5	1	0
-60°	25	17	11	7	5	1	0
-62.5°	24	16	10	8	5	1	0
-65°	22	15	10	7	5	1	0
-67.5°	20	14	10	7	4	1	0
-70°	18	13	10	7	4	1	0
-72.5°	16	12	9	7	3	1	0
-75°	15	12	9	6	3	1	0
-77.5°	14	11	8	5	3	1	0
-80°	12	9	6	4	2	1	0
-82.5°	9	7	5	3	2	0	0
-85°	6	5	3	2	1	0	0
-87.5°	3	2	2	1	1	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)