

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-3S-CV5-A**

Issue Date: 2/3/2026

Test Information

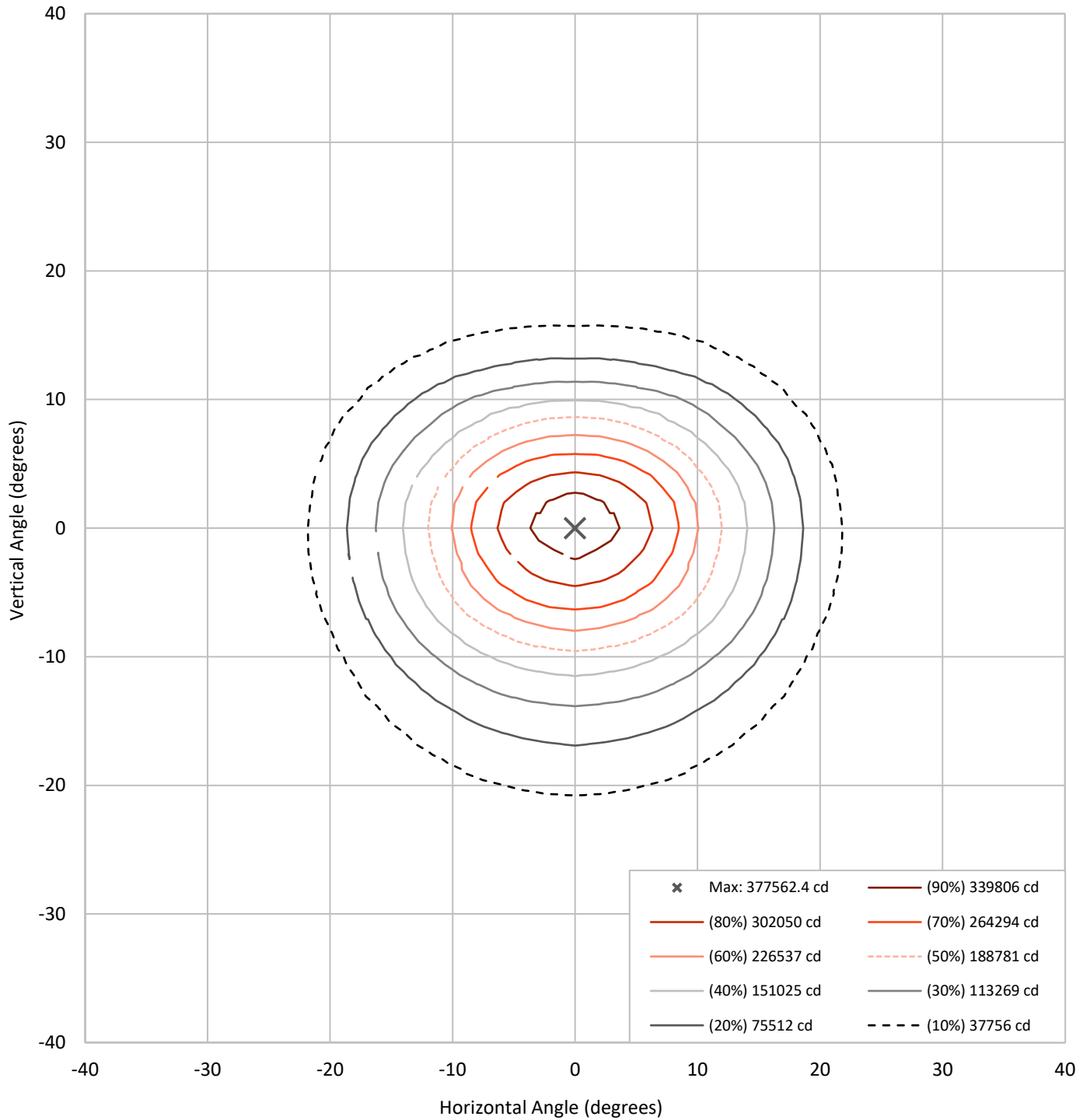
Test Method: LM-79-08
Report Number: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-40-80-3S-CV5-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	63119.1 lumens	Max Intensity:	377562.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	27000.9 lumens	Field Lumens:	53941.5 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
Input Watts (W):	688		
Input Voltage (V):	NR		
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





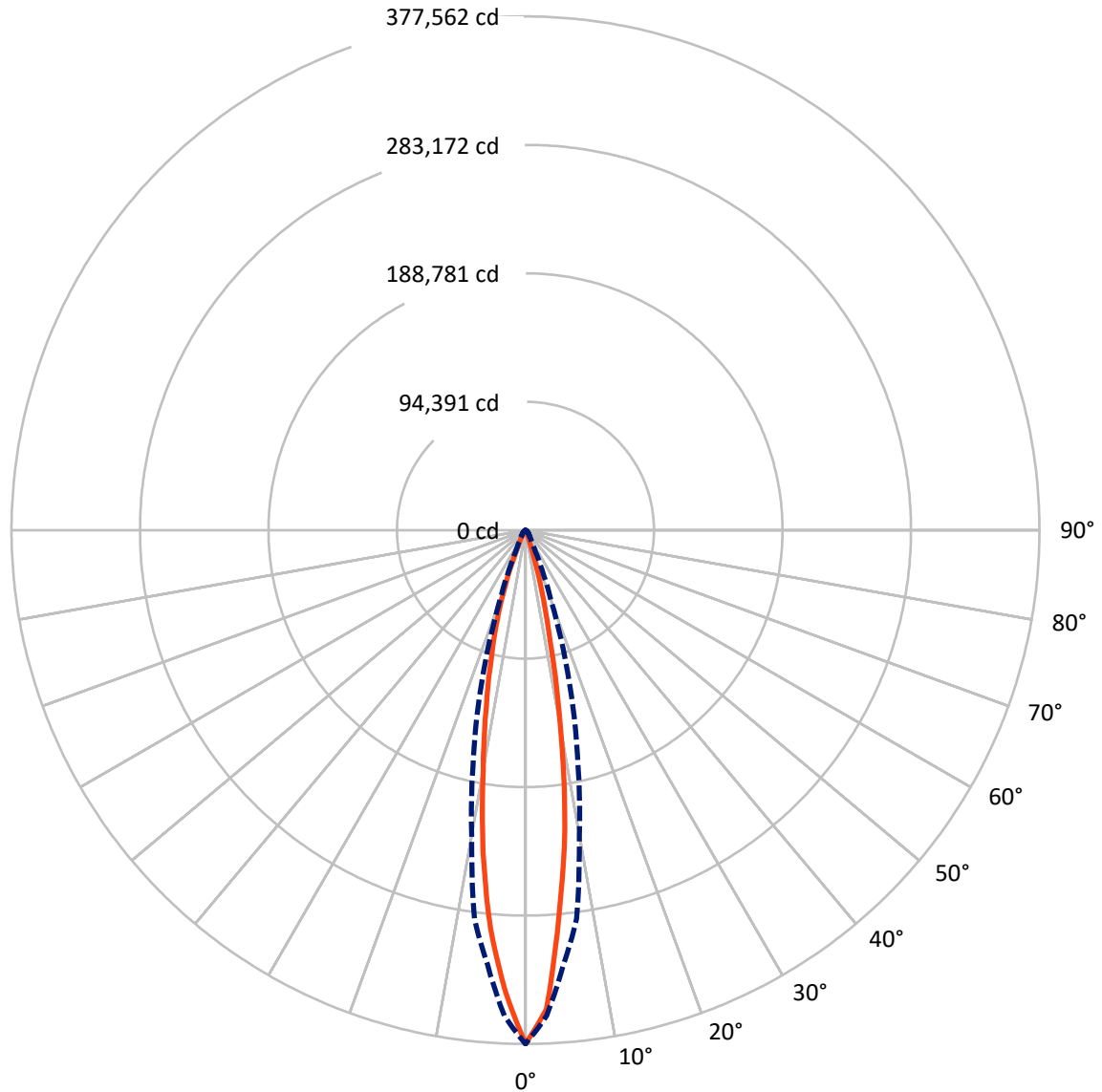
REPORT NUMBER: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.2	0.5		0.8		0.8		0.9		0.8		0.8		0.5		0.2			
80	0.2	0.5		0.8		0.8		0.9		0.8		0.8		0.5		0.2			
70	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.7	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.7	0.4	0.1				
50	0.2	0.2	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.2	0.2			
40		0.2	0.6	0.9	1.7	2.5	3.1	4.0	4.0	3.1	2.5	1.7	0.9	0.6	0.2				
30	0.3	0.5	1.8	4.4	8.3	12.7	28.7	57.7	57.7	28.7	12.7	8.3	4.4	1.8	0.5	0.3			
20		1.2	6.5	20.7	45.5	121.9	676.1	1547.2	1547.2	676.1	121.9	45.5	20.7	6.5	1.2				
10	0.4	2.3	13.6	49.1	114.5	503.4	3157.6	7370.4	7370.4	3157.6	503.4	114.5	49.1	13.6	2.3	0.4			
0		3.1	16.2	57.4	128.4	536.6	3367.8	7591.3	7591.3	3367.8	536.6	128.4	57.4	16.2	3.1				
-10	0.7	3.3	13.9	43.6	91.1	231.3	1222.8	2751.8	2751.8	1222.8	231.3	91.1	43.6	13.9	3.3	0.7			
-20		3.2	11.3	27.3	64.4	109.1	236.8	476.1	476.1	236.8	109.1	64.4	27.3	11.3	3.2				
-30	0.5	2.8	9.0	19.1	41.7	75.2	102.3	119.3	119.3	102.3	75.2	41.7	19.1	9.0	2.8	0.5			
-40		2.0	6.7	14.5	25.9	42.2	64.7	81.3	81.3	64.7	42.2	25.9	14.5	6.7	2.0				
-50	0.3	0.9	4.0	9.2	16.4	24.2	30.6	34.4	34.4	30.6	24.2	16.4	9.2	4.0	0.9	0.3			
-60		0.3	1.4	4.0	7.4	11.4	15.3	17.6	17.6	15.3	11.4	7.4	4.0	1.4	0.3				
-70	0.2	0.9		3.0		8.2		12.6		8.2		3.0		0.9		0.2			
-80		0.9		3.0		8.2		12.6		8.2		3.0		0.9					
-90	0.2	0.9		3.0		8.2		12.6		8.2		3.0		0.9		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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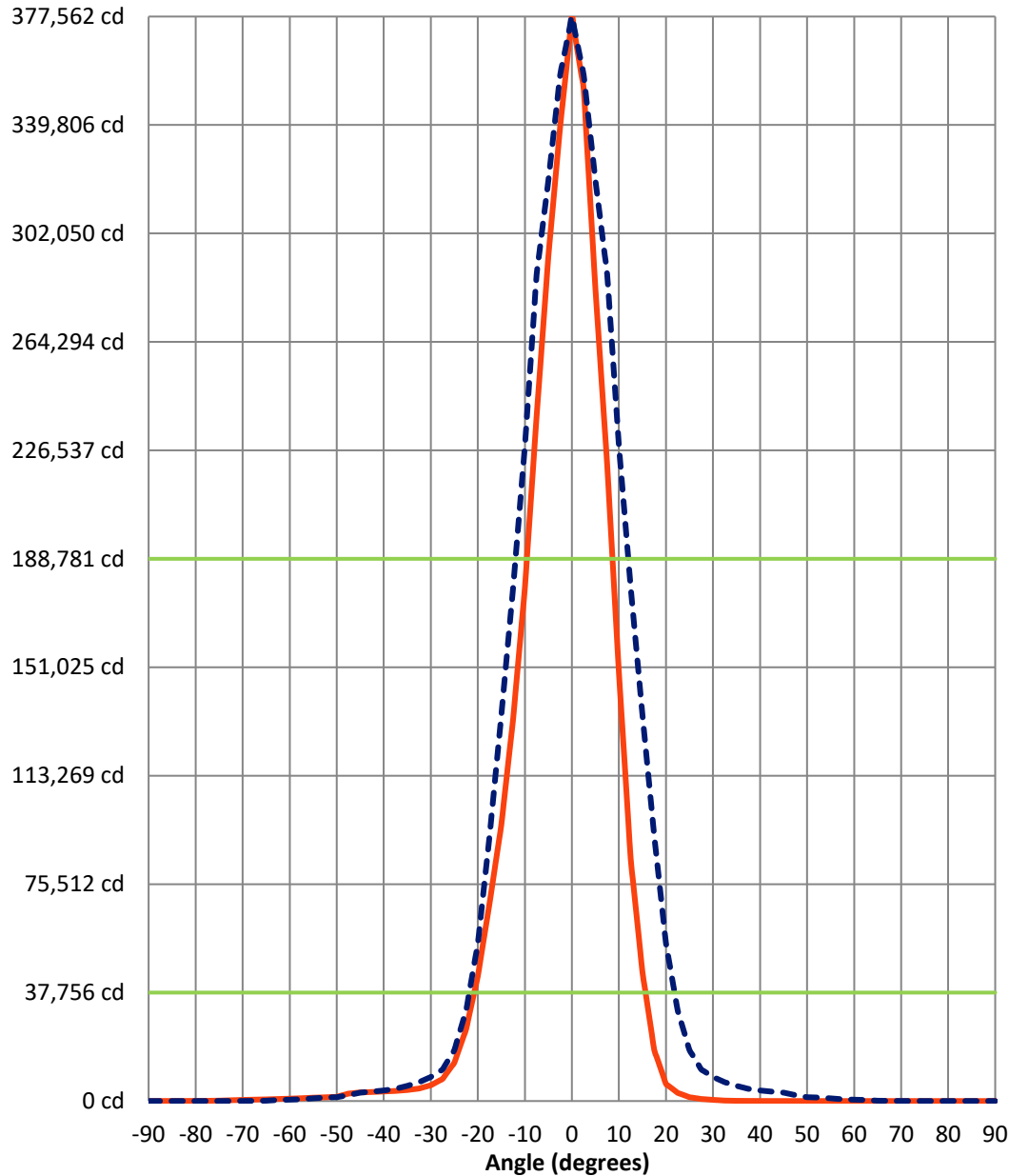
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 27000.9
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 53941.5
 Efficiency: 85.5%

Spill:
 Lumens: 9177.6
 Efficiency: 14.5%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-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°	8	8	8	8	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8	8	8	8	9
67.5°	8	8	8	8	8	8	8	8	8	9	9
65°	8	8	8	8	8	8	8	8	9	9	10
62.5°	8	8	8	8	8	8	8	8	9	10	9
60°	8	8	8	8	8	8	8	9	10	10	9
57.5°	8	8	8	8	8	9	9	9	10	9	9
55°	8	8	8	8	8	9	9	10	10	9	9
52.5°	8	8	8	8	9	9	9	10	10	9	9
50°	8	8	8	8	9	9	10	10	10	9	11
47.5°	8	8	8	8	9	9	10	10	10	10	12
45°	8	8	8	8	9	10	10	10	10	11	14
42.5°	8	8	8	8	10	10	10	11	10	11	15
40°	8	8	8	9	10	10	11	11	11	12	16
37.5°	8	8	8	9	10	10	11	11	12	13	17
35°	8	8	9	9	10	10	11	12	13	15	18
32.5°	8	8	9	9	10	10	11	12	14	17	20
30°	8	8	9	9	10	11	12	13	14	19	22
27.5°	8	8	9	10	10	11	12	13	16	22	25
25°	8	8	9	10	10	11	12	14	18	24	28
22.5°	8	8	9	10	10	11	13	15	19	26	33
20°	8	8	9	10	10	11	13	16	21	29	40
17.5°	8	8	9	10	10	12	13	16	23	31	47
15°	8	8	9	10	10	12	14	17	25	34	54
12.5°	8	8	9	10	10	12	14	18	27	37	61
10°	8	8	10	10	10	12	14	19	29	42	70
7.5°	8	8	10	10	10	12	14	21	31	47	82
5°	8	8	10	10	10	12	14	22	33	52	94
2.5°	8	8	10	10	10	12	14	23	34	57	106
0°	8	8	10	10	10	12	14	24	36	62	118
-2.5°	8	8	10	10	10	12	16	29	46	76	135
-5°	8	8	10	10	10	13	18	33	55	89	151
-7.5°	8	8	10	10	11	13	19	37	63	102	165
-10°	8	8	10	10	11	14	21	40	71	114	178
-12.5°	8	8	10	10	11	14	22	43	78	124	190
-15°	8	8	10	10	11	14	23	46	84	133	200
-17.5°	8	8	10	10	11	14	24	48	90	141	208
-20°	8	8	10	10	11	14	24	51	94	148	214



REPORT NUMBER: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-CV5-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	10	10	11	14	25	52	97	153	218
-25°	8	8	10	10	11	14	25	52	98	157	219
-27.5°	8	8	10	10	11	15	25	51	97	158	222
-30°	8	8	9	10	11	15	23	48	95	157	223
-32.5°	8	8	9	10	11	14	21	47	92	154	222
-35°	8	8	9	10	11	14	21	44	87	148	219
-37.5°	8	8	9	10	11	14	20	41	80	139	204
-40°	8	8	9	10	11	14	20	36	71	129	186
-42.5°	8	8	9	10	11	14	19	30	64	113	166
-45°	8	8	9	10	11	13	18	26	55	96	145
-47.5°	8	8	9	10	11	13	17	24	46	77	124
-50°	8	8	9	10	11	13	16	23	34	64	101
-52.5°	8	8	8	10	11	12	16	21	28	49	78
-55°	8	8	8	10	10	12	15	19	26	35	62
-57.5°	8	8	8	9	10	12	14	18	23	29	45
-60°	8	8	8	9	10	11	13	17	21	26	31
-62.5°	8	8	8	9	10	11	12	15	19	23	28
-65°	8	8	8	9	10	10	12	14	17	20	24
-67.5°	8	8	8	9	9	10	11	13	15	19	22
-70°	8	8	8	8	9	10	10	12	14	16	19
-72.5°	8	8	8	8	9	10	10	11	13	15	17
-75°	8	8	8	8	9	10	10	11	12	14	16
-77.5°	8	8	8	8	9	9	10	10	11	13	14
-80°	8	8	8	8	9	9	10	10	11	12	13
-82.5°	8	8	8	8	9	9	10	10	10	10	11
-85°	8	8	8	8	8	9	9	9	9	10	10
-87.5°	8	8	8	8	8	8	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8	8	8	8	8	8	8	8	9	9	9
87.5°	8	8	7	7	7	7	6	6	6	6	6
85°	8	8	8	8	8	7	7	6	6	6	6
82.5°	8	8	8	8	8	7	7	6	6	6	6
80°	8	8	8	8	8	8	8	8	7	7	7
77.5°	8	8	8	8	8	8	8	8	8	7	7
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	9	9	8	8	8	8	8	9	11	13
70°	9	9	9	8	8	9	11	14	18	20	24
67.5°	10	9	8	8	10	12	16	25	34	38	39
65°	9	8	8	10	12	19	28	39	47	47	44
62.5°	8	8	9	13	19	28	36	44	52	50	43
60°	8	8	12	19	25	32	40	44	48	48	38
57.5°	8	11	17	24	29	34	36	40	41	41	31
55°	10	15	21	27	31	30	31	31	31	29	21
52.5°	13	18	23	28	29	26	23	23	22	18	15
50°	15	20	25	29	27	22	17	17	15	13	11
47.5°	17	22	27	29	24	20	16	14	12	12	11
45°	19	24	29	27	23	20	16	12	13	12	13
42.5°	20	25	28	26	23	21	18	15	14	16	16
40°	21	25	27	27	25	24	23	21	18	21	22
37.5°	21	25	28	31	28	29	30	30	29	28	32
35°	21	26	33	37	35	37	40	42	42	41	47
32.5°	22	27	41	45	47	49	52	55	59	63	73
30°	25	35	50	53	62	72	69	71	79	104	126
27.5°	31	45	58	66	82	102	109	96	119	157	194
25°	38	72	67	83	111	142	159	157	179	228	272
22.5°	53	109	105	101	145	191	220	271	343	343	359
20°	80	143	154	167	196	247	289	424	574	625	569
17.5°	111	181	209	254	318	351	375	606	860	960	992
15°	146	222	268	352	454	512	614	878	1178	1348	1474
12.5°	183	265	330	457	599	676	903	1285	1583	1788	2110
10°	221	310	394	567	751	842	1211	1704	2015	2253	2693
7.5°	263	354	457	680	907	1009	1530	2126	2437	2701	3198
5°	304	397	514	776	1031	1149	1818	2540	2846	3133	3655
2.5°	342	438	569	864	1130	1248	1956	2751	3084	3440	4000
0°	375	477	620	945	1220	1342	2066	2933	3278	3683	4251
-2.5°	382	492	638	944	1208	1340	2076	2941	3345	3773	4329
-5°	384	504	652	935	1188	1332	2055	2911	3356	3751	4252
-7.5°	381	513	662	916	1149	1288	1934	2731	3180	3524	3995
-10°	374	512	651	874	1087	1220	1768	2523	2998	3294	3704
-12.5°	362	502	634	830	1024	1152	1575	2292	2813	3065	3397
-15°	349	491	614	783	962	1083	1356	2043	2636	2894	3140
-17.5°	335	478	591	737	904	1014	1119	1779	2413	2719	2957
-20°	321	464	565	692	849	961	1047	1511	2100	2525	2764



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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°	308	449	541	658	801	919	1006	1249	1769	2314	2572
-25°	304	427	521	627	754	877	966	1027	1456	1996	2390
-27.5°	304	409	502	594	708	831	920	983	1219	1683	2184
-30°	301	388	481	563	668	779	873	960	1034	1406	1848
-32.5°	290	365	456	538	627	729	835	927	1008	1129	1529
-35°	274	346	429	511	586	684	788	889	975	1050	1233
-37.5°	260	325	400	481	555	639	738	839	931	1020	1103
-40°	244	301	373	450	523	596	686	781	879	981	1081
-42.5°	226	281	344	416	486	558	631	721	819	928	1031
-45°	202	259	314	379	445	515	585	658	753	853	961
-47.5°	176	234	287	339	402	466	535	606	681	773	870
-50°	148	202	257	304	356	416	479	550	621	693	775
-52.5°	121	168	220	268	313	364	422	486	554	623	687
-55°	93	136	180	228	273	316	363	421	481	545	604
-57.5°	70	102	142	183	227	270	312	353	406	462	513
-60°	50	74	104	141	178	219	260	299	338	375	420
-62.5°	33	51	73	98	132	166	203	240	277	310	339
-65°	29	33	48	67	86	117	148	178	211	240	269
-67.5°	25	29	32	39	56	76	96	123	149	170	191
-70°	22	24	27	31	34	42	59	77	94	110	128
-72.5°	19	21	23	25	29	32	36	40	50	63	75
-75°	17	19	20	22	24	26	29	32	35	38	40
-77.5°	15	16	18	19	20	22	24	26	28	30	32
-80°	13	14	15	16	17	18	20	21	22	23	25
-82.5°	12	12	12	13	14	15	16	17	17	17	18
-85°	10	10	10	11	11	11	12	12	13	13	13
-87.5°	9	9	9	9	9	9	9	9	10	10	10
-90°	8	7	7	6	6	6	6	6	6	6	6



REPORT NUMBER: P1306311 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10	10	11	11	12	16	21	25	30	37	45
87.5°	6	6	5	5	4	4	3	3	2	2	2
85°	6	6	5	5	4	4	4	4	4	3	3
82.5°	6	6	5	5	4	4	4	4	4	4	3
80°	6	6	6	5	5	5	5	4	4	4	4
77.5°	6	6	6	6	6	6	5	5	4	4	4
75°	8	8	8	8	7	7	6	6	6	5	5
72.5°	14	14	13	13	12	11	11	11	11	11	10
70°	26	26	25	23	19	17	16	14	13	12	12
67.5°	36	33	30	27	22	19	17	15	13	12	11
65°	40	33	27	23	20	17	15	12	10	9	9
62.5°	35	26	21	17	15	14	11	9	8	7	7
60°	28	19	14	12	11	10	9	8	7	6	6
57.5°	21	14	10	10	9	8	8	7	7	6	6
55°	15	12	10	9	9	8	8	7	7	6	6
52.5°	11	10	10	10	9	9	8	7	7	6	6
50°	10	10	10	10	9	9	8	8	8	7	7
47.5°	11	11	11	10	10	10	10	10	10	10	9
45°	12	12	12	12	12	13	13	13	16	15	12
42.5°	15	16	17	18	16	21	28	33	28	22	19
40°	23	24	29	31	37	44	40	33	30	32	33
37.5°	36	42	51	60	58	48	49	49	47	51	51
35°	59	74	81	83	79	76	79	82	76	85	88
32.5°	97	115	119	115	115	122	127	136	145	160	177
30°	143	163	172	163	165	181	191	212	245	283	330
27.5°	212	226	243	245	237	261	297	319	408	467	573
25°	302	325	340	365	378	406	476	543	680	813	1038
22.5°	421	494	521	517	596	671	731	919	1188	1582	2025
20°	579	728	855	897	924	1124	1329	1913	2583	3700	4569
17.5°	1043	1093	1371	1599	1707	2129	3087	4557	7084	10542	12668
15°	1742	1882	2162	2642	3237	4357	5956	10643	17124	24207	30950
12.5°	2513	2806	3319	4026	4970	8165	13326	22145	34144	46415	62065
10°	3229	3818	4659	5853	8276	13736	22422	37413	58667	80829	102969
7.5°	3813	4656	5885	7674	12016	20782	35028	57115	84366	112878	142897
5°	4403	5469	6951	9114	14467	26226	45175	75413	110580	146506	184337
2.5°	4914	6162	7877	10405	16116	29173	51296	88530	129820	172811	220995
0°	5292	6562	8384	11014	17740	31466	54879	92407	134404	178788	228033
-2.5°	5239	6388	8040	10650	17176	31052	52641	89215	130317	171923	215843
-5°	5000	5999	7479	9815	15227	26942	47239	80946	119166	157187	196265
-7.5°	4635	5499	6797	8804	12979	22204	39072	65440	98298	130793	160939
-10°	4258	4962	6014	7600	10578	17024	28953	48664	75990	102751	125852
-12.5°	3904	4428	5176	6280	8116	12745	21751	36132	54385	74960	94964
-15°	3574	3961	4498	5389	6858	9603	14493	24077	36916	51277	65105
-17.5°	3271	3590	4009	4636	5547	7244	10670	16149	23901	34116	43665
-20°	2999	3289	3602	4072	4771	5770	7457	10858	15331	21770	28085



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 CATALOG NUMBER: EPH-08-680N-40-80-3S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2787	3014	3258	3617	4200	4908	5747	7140	9602	12905	16645
-25°	2592	2761	3013	3400	3799	4272	4780	5339	6432	7494	9452
-27.5°	2408	2585	2849	3198	3562	3783	4108	4453	4975	5437	6217
-30°	2254	2440	2664	2958	3265	3473	3642	3892	4181	4471	4806
-32.5°	1964	2320	2475	2699	2976	3194	3344	3530	3684	3864	4047
-35°	1647	2040	2360	2506	2697	2940	3153	3302	3422	3533	3637
-37.5°	1289	1697	2047	2342	2516	2679	2905	3106	3250	3326	3394
-40°	1153	1271	1640	1978	2241	2496	2672	2869	3036	3141	3220
-42.5°	1129	1190	1238	1494	1813	2086	2319	2548	2752	2903	3025
-45°	1066	1138	1206	1253	1302	1544	1804	2057	2287	2493	2672
-47.5°	964	1050	1122	1191	1244	1286	1335	1416	1631	1843	2044
-50°	854	932	1010	1083	1141	1192	1239	1279	1320	1362	1402
-52.5°	744	814	883	948	1010	1068	1122	1162	1196	1226	1248
-55°	658	710	761	816	870	922	969	1012	1051	1086	1113
-57.5°	563	614	662	703	744	782	822	860	894	923	947
-60°	464	507	550	591	629	666	698	729	756	779	796
-62.5°	368	402	441	476	507	537	571	601	628	650	667
-65°	295	320	348	375	402	431	460	486	509	528	543
-67.5°	215	239	266	291	314	338	366	392	416	435	450
-70°	145	162	184	207	229	252	278	302	326	344	359
-72.5°	87	98	110	125	140	160	181	203	224	240	252
-75°	43	47	57	65	73	83	94	105	114	121	127
-77.5°	35	37	39	41	43	47	53	58	64	69	73
-80°	27	28	29	31	33	36	40	43	47	50	53
-82.5°	19	19	20	21	21	24	26	29	31	33	35
-85°	13	13	13	13	13	16	18	21	23	26	28
-87.5°	10	10	10	10	10	12	14	16	18	20	22
-90°	6	6	5	5	4	4	3	3	2	2	1



REPORT NUMBER: P1306311 (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°	52	60	55	50	55	60	52	45	37	30	25
87.5°	2	2	2	2	2	2	2	2	2	2	3
85°	2	2	2	2	2	2	2	3	3	4	4
82.5°	3	2	2	2	2	2	3	3	4	4	4
80°	4	4	4	4	4	4	4	4	4	4	4
77.5°	4	4	4	4	4	4	4	4	4	4	5
75°	5	4	5	6	5	4	5	5	5	6	6
72.5°	10	10	10	10	10	10	10	10	11	11	11
70°	12	12	12	12	12	12	12	12	12	13	14
67.5°	11	10	10	10	10	10	11	11	12	13	15
65°	8	8	8	8	8	8	8	9	9	10	12
62.5°	7	8	8	8	8	8	7	7	7	8	9
60°	6	6	6	6	6	6	6	6	6	7	8
57.5°	6	6	7	8	7	6	6	6	6	7	7
55°	6	6	6	6	6	6	6	6	6	7	7
52.5°	6	6	6	6	6	6	6	6	6	7	7
50°	8	8	8	8	8	8	8	7	7	8	8
47.5°	10	10	9	8	9	10	10	9	10	10	10
45°	13	12	12	12	12	12	13	12	15	16	13
42.5°	19	20	20	20	20	20	19	19	22	28	33
40°	35	35	35	36	35	35	35	33	32	30	33
37.5°	52	53	53	54	53	53	52	51	51	47	49
35°	88	88	85	86	85	88	88	88	85	76	82
32.5°	189	190	181	166	181	190	189	177	160	145	136
30°	365	397	418	419	418	397	365	330	283	245	212
27.5°	643	692	713	724	713	692	643	573	467	408	319
25°	1216	1327	1387	1342	1387	1327	1216	1038	813	680	543
22.5°	2446	2659	2841	2851	2841	2659	2446	2025	1582	1188	919
20°	5777	5729	6188	5958	6188	5729	5777	4569	3700	2583	1913
17.5°	16386	18199	19201	17830	19201	18199	16386	12668	10542	7084	4557
15°	37671	42193	45252	44862	45252	42193	37671	30950	24207	17124	10643
12.5°	70832	78262	84595	84330	84595	78262	70832	62065	46415	34144	22145
10°	122694	135649	147721	148979	147721	135649	122694	102969	80829	58667	37413
7.5°	170476	199648	217036	221498	217036	199648	170476	142897	112878	84366	57115
5°	230307	264089	282365	282852	282365	264089	230307	184337	146506	110580	75413
2.5°	274599	312652	335091	352454	335091	312652	274599	220995	172811	129820	88530
0°	287771	320588	357204	377562	357204	320588	287771	228033	178788	134404	92407
-2.5°	270121	304479	322656	339215	322656	304479	270121	215843	171923	130317	89215
-5°	236589	272980	290444	294172	290444	272980	236589	196265	157187	119166	80946
-7.5°	188254	213867	231548	238482	231548	213867	188254	160939	130793	98298	65440
-10°	147335	163874	172722	178605	172722	163874	147335	125852	102751	75990	48664
-12.5°	111086	123042	129981	133002	129981	123042	111086	94964	74960	54385	36132
-15°	79070	88531	93230	96221	93230	88531	79070	65105	51277	36916	24077
-17.5°	54174	61781	66117	68936	66117	61781	54174	43665	34116	23901	16149
-20°	34662	39191	42528	43500	42528	39191	34662	28085	21770	15331	10858



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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°	20252	22919	24599	24980	24599	22919	20252	16645	12905	9602	7140
-25°	11011	12173	13055	13353	13055	12173	11011	9452	7494	6432	5339
-27.5°	6762	7211	7537	7705	7537	7211	6762	6217	5437	4975	4453
-30°	5086	5291	5413	5495	5413	5291	5086	4806	4471	4181	3892
-32.5°	4176	4268	4323	4361	4323	4268	4176	4047	3864	3684	3530
-35°	3720	3779	3820	3840	3820	3779	3720	3637	3533	3422	3302
-37.5°	3445	3482	3510	3525	3510	3482	3445	3394	3326	3250	3106
-40°	3257	3284	3306	3330	3306	3284	3257	3220	3141	3036	2869
-42.5°	3087	3126	3145	3150	3145	3126	3087	3025	2903	2752	2548
-45°	2810	2919	2985	3007	2985	2919	2810	2672	2493	2287	2057
-47.5°	2228	2391	2513	2588	2513	2391	2228	2044	1843	1631	1416
-50°	1440	1474	1488	1480	1488	1474	1440	1402	1362	1320	1279
-52.5°	1266	1280	1292	1300	1292	1280	1266	1248	1226	1196	1162
-55°	1134	1149	1164	1176	1164	1149	1134	1113	1086	1051	1012
-57.5°	967	982	988	987	988	982	967	947	923	894	860
-60°	811	822	830	835	830	822	811	796	779	756	729
-62.5°	680	690	701	710	701	690	680	667	650	628	601
-65°	555	566	574	580	574	566	555	543	528	509	486
-67.5°	464	476	485	492	485	476	464	450	435	416	392
-70°	372	384	392	397	392	384	372	359	344	326	302
-72.5°	262	271	275	277	275	271	262	252	240	224	203
-75°	132	136	140	144	140	136	132	127	121	114	105
-77.5°	77	81	84	86	84	81	77	73	69	64	58
-80°	55	57	60	62	60	57	55	53	50	47	43
-82.5°	38	40	41	42	41	40	38	35	33	31	29
-85°	30	32	33	34	33	32	30	28	26	23	21
-87.5°	24	26	27	28	27	26	24	22	20	18	16
-90°	1	0	0	0	0	0	1	1	2	2	3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21	16	12	11	11	10	10	9	9	9	8
87.5°	3	4	4	5	5	6	6	6	6	6	6
85°	4	4	4	5	5	6	6	6	6	6	6
82.5°	4	4	4	5	5	6	6	6	6	6	6
80°	5	5	5	5	6	6	6	7	7	7	8
77.5°	5	6	6	6	6	6	6	7	7	8	8
75°	6	7	7	8	8	8	8	8	8	8	8
72.5°	11	11	12	13	13	14	14	13	11	9	8
70°	16	17	19	23	25	26	26	24	20	18	14
67.5°	17	19	22	27	30	33	36	39	38	34	25
65°	15	17	20	23	27	33	40	44	47	47	39
62.5°	11	14	15	17	21	26	35	43	50	52	44
60°	9	10	11	12	14	19	28	38	48	48	44
57.5°	8	8	9	10	10	14	21	31	41	41	40
55°	8	8	9	9	10	12	15	21	29	31	31
52.5°	8	9	9	10	10	10	11	15	18	22	23
50°	8	9	9	10	10	10	10	11	13	15	17
47.5°	10	10	10	10	11	11	11	11	12	12	14
45°	13	13	12	12	12	12	12	13	12	13	12
42.5°	28	21	16	18	17	16	15	16	16	14	15
40°	40	44	37	31	29	24	23	22	21	18	21
37.5°	49	48	58	60	51	42	36	32	28	29	30
35°	79	76	79	83	81	74	59	47	41	42	42
32.5°	127	122	115	115	119	115	97	73	63	59	55
30°	191	181	165	163	172	163	143	126	104	79	71
27.5°	297	261	237	245	243	226	212	194	157	119	96
25°	476	406	378	365	340	325	302	272	228	179	157
22.5°	731	671	596	517	521	494	421	359	343	343	271
20°	1329	1124	924	897	855	728	579	569	625	574	424
17.5°	3087	2129	1707	1599	1371	1093	1043	992	960	860	606
15°	5956	4357	3237	2642	2162	1882	1742	1474	1348	1178	878
12.5°	13326	8165	4970	4026	3319	2806	2513	2110	1788	1583	1285
10°	22422	13736	8276	5853	4659	3818	3229	2693	2253	2015	1704
7.5°	35028	20782	12016	7674	5885	4656	3813	3198	2701	2437	2126
5°	45175	26226	14467	9114	6951	5469	4403	3655	3133	2846	2540
2.5°	51296	29173	16116	10405	7877	6162	4914	4000	3440	3084	2751
0°	54879	31466	17740	11014	8384	6562	5292	4251	3683	3278	2933
-2.5°	52641	31052	17176	10650	8040	6388	5239	4329	3773	3345	2941
-5°	47239	26942	15227	9815	7479	5999	5000	4252	3751	3356	2911
-7.5°	39072	22204	12979	8804	6797	5499	4635	3995	3524	3180	2731
-10°	28953	17024	10578	7600	6014	4962	4258	3704	3294	2998	2523
-12.5°	21751	12745	8116	6280	5176	4428	3904	3397	3065	2813	2292
-15°	14493	9603	6858	5389	4498	3961	3574	3140	2894	2636	2043
-17.5°	10670	7244	5547	4636	4009	3590	3271	2957	2719	2413	1779
-20°	7457	5770	4771	4072	3602	3289	2999	2764	2525	2100	1511



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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°	5747	4908	4200	3617	3258	3014	2787	2572	2314	1769	1249
-25°	4780	4272	3799	3400	3013	2761	2592	2390	1996	1456	1027
-27.5°	4108	3783	3562	3198	2849	2585	2408	2184	1683	1219	983
-30°	3642	3473	3265	2958	2664	2440	2254	1848	1406	1034	960
-32.5°	3344	3194	2976	2699	2475	2320	1964	1529	1129	1008	927
-35°	3153	2940	2697	2506	2360	2040	1647	1233	1050	975	889
-37.5°	2905	2679	2516	2342	2047	1697	1289	1103	1020	931	839
-40°	2672	2496	2241	1978	1640	1271	1153	1081	981	879	781
-42.5°	2319	2086	1813	1494	1238	1190	1129	1031	928	819	721
-45°	1804	1544	1302	1253	1206	1138	1066	961	853	753	658
-47.5°	1335	1286	1244	1191	1122	1050	964	870	773	681	606
-50°	1239	1192	1141	1083	1010	932	854	775	693	621	550
-52.5°	1122	1068	1010	948	883	814	744	687	623	554	486
-55°	969	922	870	816	761	710	658	604	545	481	421
-57.5°	822	782	744	703	662	614	563	513	462	406	353
-60°	698	666	629	591	550	507	464	420	375	338	299
-62.5°	571	537	507	476	441	402	368	339	310	277	240
-65°	460	431	402	375	348	320	295	269	240	211	178
-67.5°	366	338	314	291	266	239	215	191	170	149	123
-70°	278	252	229	207	184	162	145	128	110	94	77
-72.5°	181	160	140	125	110	98	87	75	63	50	40
-75°	94	83	73	65	57	47	43	40	38	35	32
-77.5°	53	47	43	41	39	37	35	32	30	28	26
-80°	40	36	33	31	29	28	27	25	23	22	21
-82.5°	26	24	21	21	20	19	19	18	17	17	17
-85°	18	16	13	13	13	13	13	13	13	13	12
-87.5°	14	12	10	10	10	10	10	10	10	10	9
-90°	3	4	4	5	5	6	6	6	6	6	6



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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°	8	8	8	8	8	8	8	8	8	8	8
87.5°	6	7	7	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	7	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	9	9	8	8	8	8	8
70°	11	9	8	8	9	9	9	9	8	8	8
67.5°	16	12	10	8	8	9	10	9	9	8	8
65°	28	19	12	10	8	8	9	10	9	9	8
62.5°	36	28	19	13	9	8	8	9	10	9	8
60°	40	32	25	19	12	8	8	9	10	10	9
57.5°	36	34	29	24	17	11	8	9	9	10	9
55°	31	30	31	27	21	15	10	9	9	10	10
52.5°	23	26	29	28	23	18	13	9	9	10	10
50°	17	22	27	29	25	20	15	11	9	10	10
47.5°	16	20	24	29	27	22	17	12	10	10	10
45°	16	20	23	27	29	24	19	14	11	10	10
42.5°	18	21	23	26	28	25	20	15	11	10	11
40°	23	24	25	27	27	25	21	16	12	11	11
37.5°	30	29	28	31	28	25	21	17	13	12	11
35°	40	37	35	37	33	26	21	18	15	13	12
32.5°	52	49	47	45	41	27	22	20	17	14	12
30°	69	72	62	53	50	35	25	22	19	14	13
27.5°	109	102	82	66	58	45	31	25	22	16	13
25°	159	142	111	83	67	72	38	28	24	18	14
22.5°	220	191	145	101	105	109	53	33	26	19	15
20°	289	247	196	167	154	143	80	40	29	21	16
17.5°	375	351	318	254	209	181	111	47	31	23	16
15°	614	512	454	352	268	222	146	54	34	25	17
12.5°	903	676	599	457	330	265	183	61	37	27	18
10°	1211	842	751	567	394	310	221	70	42	29	19
7.5°	1530	1009	907	680	457	354	263	82	47	31	21
5°	1818	1149	1031	776	514	397	304	94	52	33	22
2.5°	1956	1248	1130	864	569	438	342	106	57	34	23
0°	2066	1342	1220	945	620	477	375	118	62	36	24
-2.5°	2076	1340	1208	944	638	492	382	135	76	46	29
-5°	2055	1332	1188	935	652	504	384	151	89	55	33
-7.5°	1934	1288	1149	916	662	513	381	165	102	63	37
-10°	1768	1220	1087	874	651	512	374	178	114	71	40
-12.5°	1575	1152	1024	830	634	502	362	190	124	78	43
-15°	1356	1083	962	783	614	491	349	200	133	84	46
-17.5°	1119	1014	904	737	591	478	335	208	141	90	48
-20°	1047	961	849	692	565	464	321	214	148	94	51



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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°	1006	919	801	658	541	449	308	218	153	97	52
-25°	966	877	754	627	521	427	304	219	157	98	52
-27.5°	920	831	708	594	502	409	304	222	158	97	51
-30°	873	779	668	563	481	388	301	223	157	95	48
-32.5°	835	729	627	538	456	365	290	222	154	92	47
-35°	788	684	586	511	429	346	274	219	148	87	44
-37.5°	738	639	555	481	400	325	260	204	139	80	41
-40°	686	596	523	450	373	301	244	186	129	71	36
-42.5°	631	558	486	416	344	281	226	166	113	64	30
-45°	585	515	445	379	314	259	202	145	96	55	26
-47.5°	535	466	402	339	287	234	176	124	77	46	24
-50°	479	416	356	304	257	202	148	101	64	34	23
-52.5°	422	364	313	268	220	168	121	78	49	28	21
-55°	363	316	273	228	180	136	93	62	35	26	19
-57.5°	312	270	227	183	142	102	70	45	29	23	18
-60°	260	219	178	141	104	74	50	31	26	21	17
-62.5°	203	166	132	98	73	51	33	28	23	19	15
-65°	148	117	86	67	48	33	29	24	20	17	14
-67.5°	96	76	56	39	32	29	25	22	19	15	13
-70°	59	42	34	31	27	24	22	19	16	14	12
-72.5°	36	32	29	25	23	21	19	17	15	13	11
-75°	29	26	24	22	20	19	17	16	14	12	11
-77.5°	24	22	20	19	18	16	15	14	13	11	10
-80°	20	18	17	16	15	14	13	13	12	11	10
-82.5°	16	15	14	13	12	12	12	11	10	10	10
-85°	12	11	11	11	10	10	10	10	10	9	9
-87.5°	9	9	9	9	9	9	9	9	9	9	9
-90°	6	6	6	6	7	7	8	8	8	8	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8
67.5°	8	8	8	8	8	8	8
65°	8	8	8	8	8	8	8
62.5°	8	8	8	8	8	8	8
60°	8	8	8	8	8	8	8
57.5°	9	9	8	8	8	8	8
55°	9	9	8	8	8	8	8
52.5°	9	9	9	8	8	8	8
50°	10	9	9	8	8	8	8
47.5°	10	9	9	8	8	8	8
45°	10	10	9	8	8	8	8
42.5°	10	10	10	8	8	8	8
40°	11	10	10	9	8	8	8
37.5°	11	10	10	9	8	8	8
35°	11	10	10	9	9	8	8
32.5°	11	10	10	9	9	8	8
30°	12	11	10	9	9	8	8
27.5°	12	11	10	10	9	8	8
25°	12	11	10	10	9	8	8
22.5°	13	11	10	10	9	8	8
20°	13	11	10	10	9	8	8
17.5°	13	12	10	10	9	8	8
15°	14	12	10	10	9	8	8
12.5°	14	12	10	10	9	8	8
10°	14	12	10	10	10	8	8
7.5°	14	12	10	10	10	8	8
5°	14	12	10	10	10	8	8
2.5°	14	12	10	10	10	8	8
0°	14	12	10	10	10	8	8
-2.5°	16	12	10	10	10	8	8
-5°	18	13	10	10	10	8	8
-7.5°	19	13	11	10	10	8	8
-10°	21	14	11	10	10	8	8
-12.5°	22	14	11	10	10	8	8
-15°	23	14	11	10	10	8	8
-17.5°	24	14	11	10	10	8	8
-20°	24	14	11	10	10	8	8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25	14	11	10	10	8	8
-25°	25	14	11	10	10	8	8
-27.5°	25	15	11	10	10	8	8
-30°	23	15	11	10	9	8	8
-32.5°	21	14	11	10	9	8	8
-35°	21	14	11	10	9	8	8
-37.5°	20	14	11	10	9	8	8
-40°	20	14	11	10	9	8	8
-42.5°	19	14	11	10	9	8	8
-45°	18	13	11	10	9	8	8
-47.5°	17	13	11	10	9	8	8
-50°	16	13	11	10	9	8	8
-52.5°	16	12	11	10	8	8	8
-55°	15	12	10	10	8	8	8
-57.5°	14	12	10	9	8	8	8
-60°	13	11	10	9	8	8	8
-62.5°	12	11	10	9	8	8	8
-65°	12	10	10	9	8	8	8
-67.5°	11	10	9	9	8	8	8
-70°	10	10	9	8	8	8	8
-72.5°	10	10	9	8	8	8	8
-75°	10	10	9	8	8	8	8
-77.5°	10	9	9	8	8	8	8
-80°	10	9	9	8	8	8	8
-82.5°	10	9	9	8	8	8	8
-85°	9	9	8	8	8	8	8
-87.5°	9	8	8	8	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)