

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: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-1S-CV2-A**

Issue Date: 2/3/2026

Test Information

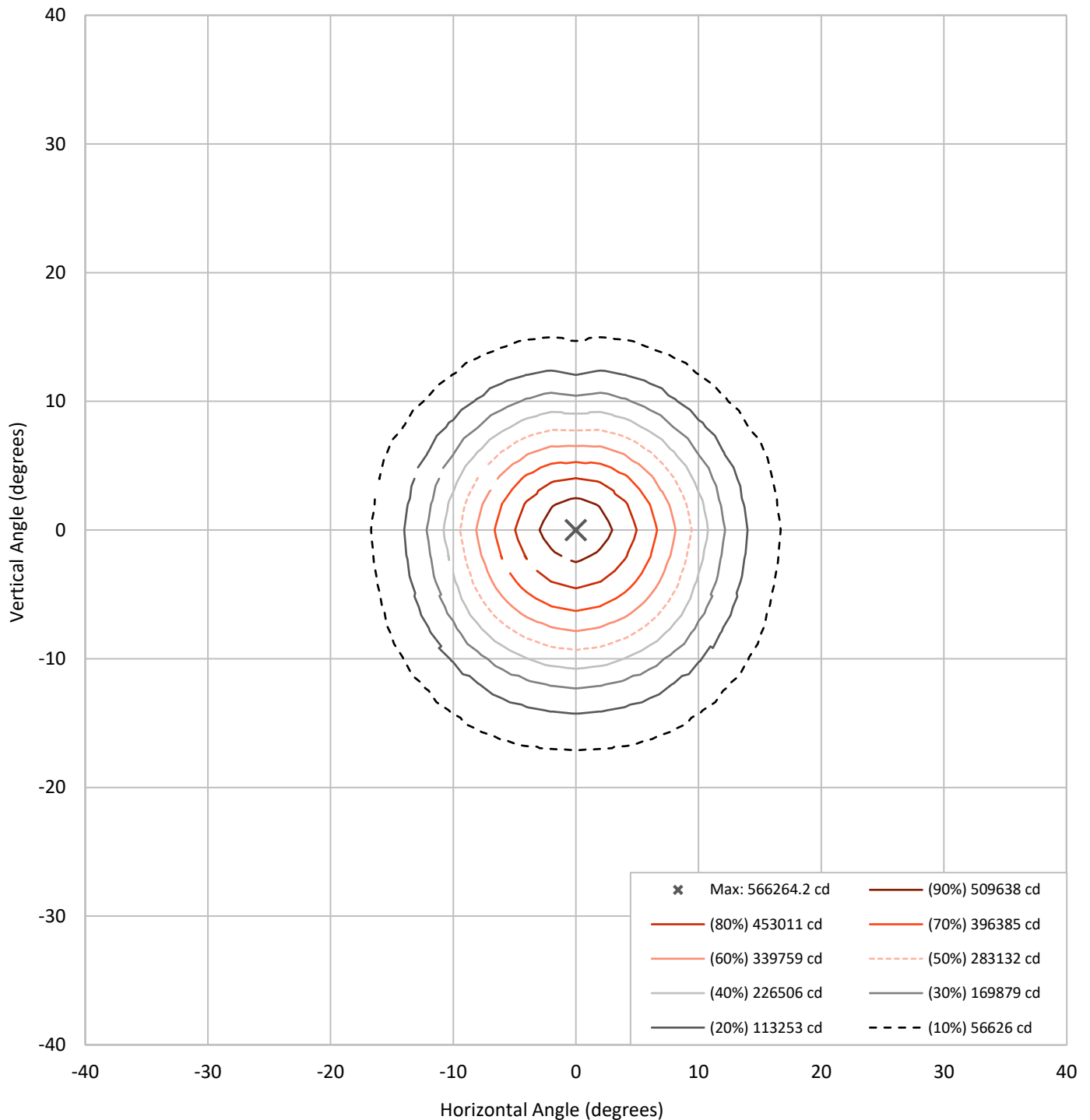
Test Method: LM-79-08
Report Number: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-1S-CV2-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	65285.4 lumens	Max Intensity:	566264.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	30072 lumens	Field Lumens:	55276.8 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%
Input Watts (W):	718		
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





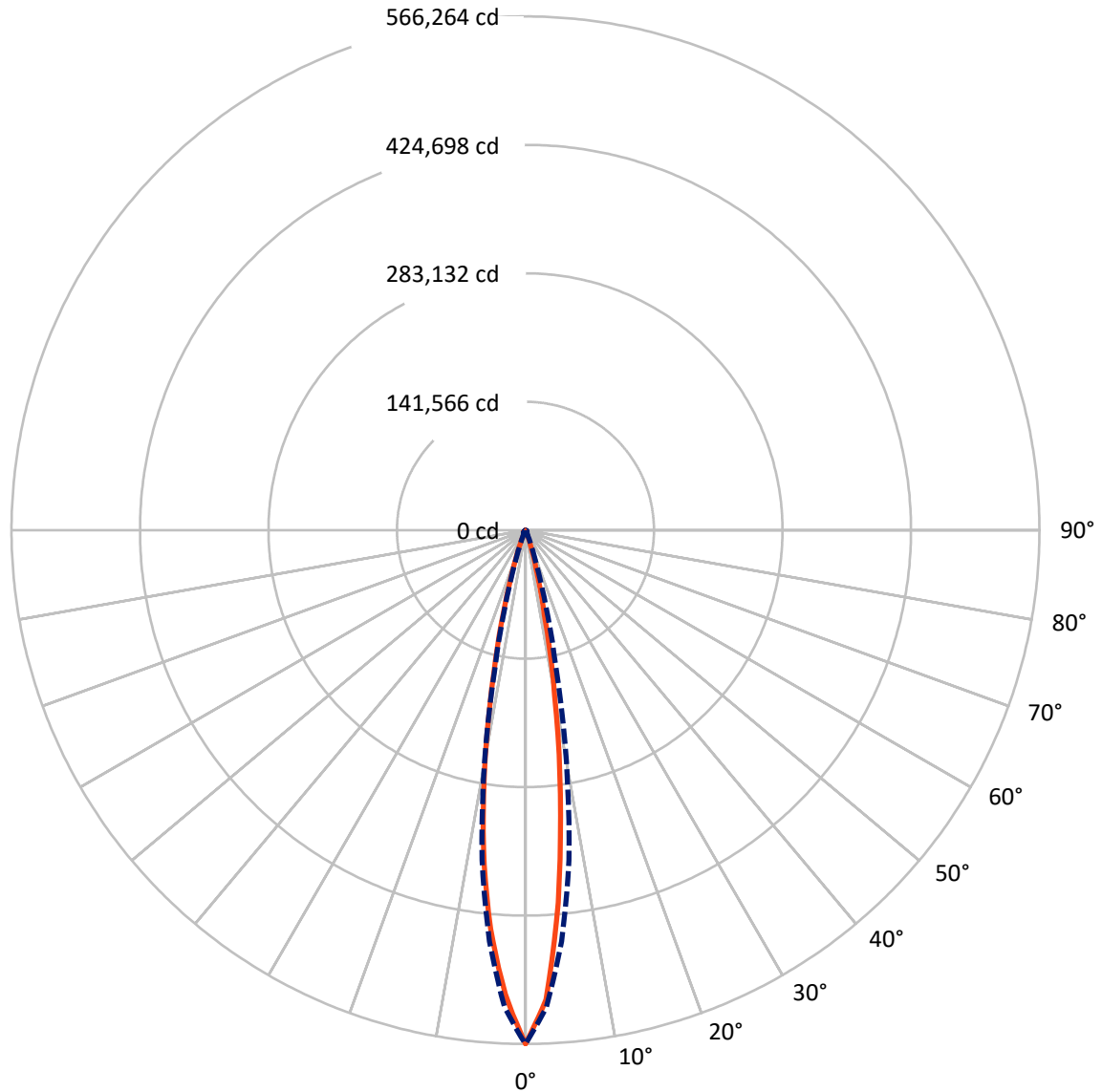
REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.1	0.4		0.5		0.5		0.5		0.5		0.4		0.1		
80	0.1	0.4		0.5		0.5		0.5		0.5		0.4		0.1		
70	0.2	0.1	0.1	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.1	0.2	
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3		0.1
50	0.2	0.1	0.4	0.4	0.5	0.7	0.9	1.1	1.1	0.9	0.7	0.5	0.4	0.4	0.1	0.2
40		0.2	0.7	1.4	3.1	4.9	5.3	6.0	6.0	5.3	4.9	3.1	1.4	0.7	0.2	
30	0.2	0.4	2.3	7.9	21.1	25.7	33.9	63.2	63.2	33.9	25.7	21.1	7.9	2.3	0.4	0.2
20		0.8	5.1	20.6	44.9	63.1	431.1	1733.6	1733.6	431.1	63.1	44.9	20.6	5.1	0.8	
10	0.3	1.5	8.7	39.7	67.9	157.2	2252.6	9721.2	9721.2	2252.6	157.2	67.9	39.7	8.7	1.5	0.3
0		2.4	11.4	46.9	78.4	156.1	2443.8	10404.3	10404.3	2443.8	156.1	78.4	46.9	11.4	2.4	
-10	0.4	2.8	11.8	44.0	83.5	98.0	708.8	2684.1	2684.1	708.8	98.0	83.5	44.0	11.8	2.8	0.4
-20		2.7	10.3	24.4	63.7	78.9	96.3	178.0	178.0	96.3	78.9	63.7	24.4	10.3	2.7	
-30	0.4	2.2	7.7	14.3	35.4	67.3	80.4	83.4	83.4	80.4	67.3	35.4	14.3	7.7	2.2	0.4
-40		1.5	5.3	11.3	18.1	32.9	60.1	83.0	83.0	60.1	32.9	18.1	11.3	5.3	1.5	
-50	0.2	0.7	3.0	7.6	13.9	19.8	24.6	27.5	27.5	24.6	19.8	13.9	7.6	3.0	0.7	0.2
-60		0.3	1.1	3.5	7.4	12.0	16.9	19.9	19.9	16.9	12.0	7.4	3.5	1.1	0.3	
-70	0.2	0.7	3.0	7.6	13.9	19.8	24.6	27.5	27.5	24.6	19.8	13.9	7.6	3.0	0.7	0.2
-80		0.3	1.1	3.5	7.4	12.0	16.9	19.9	19.9	16.9	12.0	7.4	3.5	1.1	0.3	
-90	0.2	0.8		2.7		6.6		9.7		6.6		2.7		0.8	0.2	

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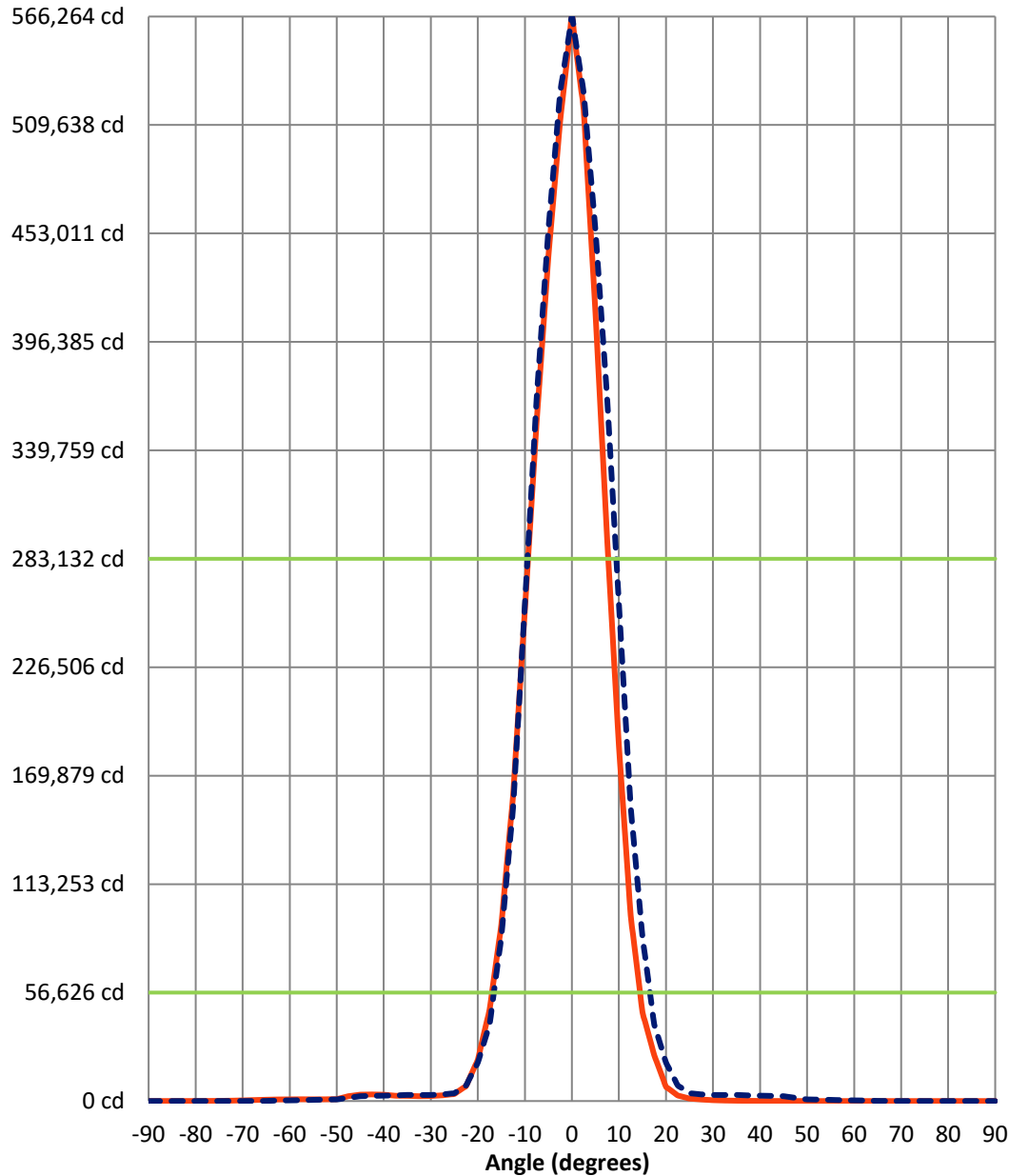
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 30072
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 55276.8
 Efficiency: 84.7%

Spill:
 Lumens: 10008.5
 Efficiency: 15.3%

— 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°	7	7	7	7	7	7	7	7	8	8	8
87.5°	7	7	7	7	7	7	7	7	6	6	6
85°	7	7	7	7	7	7	7	7	6	6	6
82.5°	7	7	7	7	7	7	7	7	6	6	6
80°	7	7	7	7	7	7	7	7	7	7	7
77.5°	7	7	7	7	7	7	7	7	7	7	7
75°	7	7	7	7	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	7	7	7	7	7	7
70°	7	7	7	7	7	7	7	7	7	7	7
67.5°	7	7	7	7	7	7	7	7	7	7	7
65°	7	7	7	7	7	7	7	7	7	7	7
62.5°	7	7	7	7	7	7	7	7	8	8	7
60°	7	7	7	7	7	7	7	8	8	8	7
57.5°	7	7	7	7	7	7	7	8	8	8	7
55°	7	7	7	7	7	8	8	8	8	8	8
52.5°	7	7	7	7	7	8	8	8	8	8	8
50°	7	7	7	7	8	8	8	8	8	8	9
47.5°	7	7	7	7	8	8	8	8	8	8	9
45°	7	7	7	7	8	8	8	8	8	9	10
42.5°	7	7	7	7	8	8	8	8	8	9	11
40°	7	7	7	7	8	8	8	8	9	9	12
37.5°	7	7	7	7	8	8	8	9	9	10	12
35°	7	7	7	8	8	8	8	9	9	11	13
32.5°	7	7	7	8	8	8	8	9	10	12	14
30°	7	7	7	8	8	8	8	9	10	14	16
27.5°	7	7	7	8	8	8	9	10	11	15	18
25°	7	7	7	8	8	8	9	10	12	17	21
22.5°	7	7	7	8	8	8	9	10	13	19	24
20°	7	7	7	8	8	8	9	10	14	21	28
17.5°	7	7	7	8	8	9	9	11	16	23	31
15°	7	7	7	8	8	9	10	11	17	25	34
12.5°	7	7	7	8	8	9	10	11	18	27	37
10°	7	7	7	8	8	9	10	12	20	29	42
7.5°	7	7	7	8	8	9	10	12	21	32	50
5°	7	7	7	8	8	9	11	13	22	34	58
2.5°	7	7	7	8	8	10	11	13	23	37	66
0°	7	7	7	8	8	10	11	14	24	39	74
-2.5°	7	7	7	8	8	10	12	17	30	51	93
-5°	7	7	7	8	9	10	13	19	36	62	112
-7.5°	7	7	7	8	9	10	13	22	41	72	129
-10°	7	7	7	8	9	10	14	24	46	81	144
-12.5°	7	7	7	8	9	10	14	26	50	89	155
-15°	7	7	7	8	9	10	15	27	55	98	164
-17.5°	7	7	7	8	9	10	15	29	60	105	171
-20°	7	7	7	8	9	10	15	32	63	110	176



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7	7	7	8	9	11	16	33	66	114	178
-25°	7	7	7	8	9	11	17	34	67	116	177
-27.5°	7	7	7	8	9	11	17	33	66	116	179
-30°	7	7	7	8	9	11	16	32	65	116	178
-32.5°	7	7	7	8	9	11	16	31	64	113	175
-35°	7	7	7	8	9	11	15	30	60	107	169
-37.5°	7	7	7	8	9	11	15	28	55	100	154
-40°	7	7	7	8	9	11	15	26	48	92	138
-42.5°	7	7	7	8	9	11	15	23	43	80	121
-45°	7	7	7	8	9	11	15	20	39	67	103
-47.5°	7	7	7	8	9	11	14	19	33	53	87
-50°	7	7	7	8	9	11	14	19	26	45	71
-52.5°	7	7	7	8	9	10	13	17	23	36	54
-55°	7	7	7	8	9	10	13	16	21	27	44
-57.5°	7	7	7	8	9	10	12	15	19	24	34
-60°	7	7	7	8	9	10	12	15	17	22	26
-62.5°	7	7	7	8	9	10	11	14	16	19	23
-65°	7	7	7	8	8	9	11	13	15	18	21
-67.5°	7	7	7	7	8	9	10	12	14	17	19
-70°	7	7	7	7	8	9	10	11	13	15	18
-72.5°	7	7	7	7	8	9	9	10	12	14	16
-75°	7	7	7	7	8	8	9	10	11	13	14
-77.5°	7	7	7	7	8	8	9	9	10	11	13
-80°	7	7	7	7	7	8	8	9	10	11	12
-82.5°	7	7	7	7	7	8	8	8	9	10	10
-85°	7	7	7	7	7	7	8	8	9	9	9
-87.5°	7	7	7	7	7	7	7	8	8	8	9
-90°	7	7	7	7	7	7	7	7	6	6	6



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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°	8	8	8	8	8	8	8	8	8	8	8
87.5°	6	6	6	6	5	5	5	4	4	4	4
85°	6	6	6	6	5	5	5	4	4	4	4
82.5°	6	6	6	6	5	5	5	4	4	4	4
80°	7	6	6	6	5	5	5	5	5	5	5
77.5°	7	6	6	6	6	6	6	6	5	5	5
75°	7	6	6	6	6	6	6	6	5	5	5
72.5°	7	7	7	7	7	6	6	6	6	7	7
70°	7	7	7	7	7	7	7	8	9	10	13
67.5°	7	7	7	7	7	7	8	14	20	22	23
65°	7	7	7	7	7	11	16	24	31	32	31
62.5°	7	7	7	8	11	16	23	31	39	40	35
60°	7	7	8	11	15	20	28	34	41	43	33
57.5°	7	8	11	15	19	23	27	33	36	37	27
55°	8	10	13	17	21	21	24	26	28	26	19
52.5°	9	12	16	19	21	19	19	20	20	17	14
50°	10	14	18	21	21	18	15	16	15	13	11
47.5°	12	15	20	22	20	18	15	15	14	14	12
45°	13	17	23	22	20	20	18	15	18	18	18
42.5°	14	19	22	22	23	23	21	22	23	25	25
40°	15	20	23	26	27	27	29	31	31	33	35
37.5°	16	21	26	33	31	33	38	42	44	42	47
35°	16	23	35	43	41	43	50	58	65	61	70
32.5°	18	25	46	54	61	62	63	85	102	109	113
30°	21	36	59	66	91	96	95	122	153	226	282
27.5°	25	49	71	92	127	136	149	180	274	414	571
25°	29	66	84	127	166	185	207	254	444	756	871
22.5°	38	85	105	167	209	234	275	389	653	1132	1163
20°	53	102	136	204	256	284	343	530	884	1234	1370
17.5°	68	122	170	242	307	346	419	664	1065	1365	1525
15°	84	143	201	284	362	425	570	845	1190	1520	1751
12.5°	100	164	230	329	422	503	752	1144	1463	1729	2033
10°	115	187	256	375	484	581	952	1466	1781	2015	2282
7.5°	152	221	285	422	547	657	1161	1799	2069	2260	2461
5°	194	267	341	491	616	729	1365	2131	2334	2472	2597
2.5°	236	311	395	559	684	796	1537	2346	2521	2652	2752
0°	275	353	448	623	748	858	1685	2529	2686	2818	2938
-2.5°	297	388	487	648	756	862	1570	2467	2701	2878	3056
-5°	315	419	524	668	761	862	1435	2359	2719	2939	3157
-7.5°	327	447	557	685	767	866	1428	2397	2828	3027	3241
-10°	332	458	564	688	775	870	1410	2380	2933	3118	3310
-12.5°	322	453	562	687	781	869	1338	2300	3037	3219	3345
-15°	310	445	555	681	786	865	1204	2155	3056	3172	3297
-17.5°	297	436	543	671	791	856	992	1788	2741	3020	3218
-20°	284	424	526	655	791	828	897	1435	2238	2802	3062



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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°	272	411	506	634	739	784	835	1107	1713	2521	2787
-25°	266	390	488	590	685	739	768	843	1282	1990	2482
-27.5°	264	372	461	547	639	690	713	768	1006	1478	2142
-30°	259	345	432	509	593	643	661	710	791	1133	1615
-32.5°	243	316	401	476	549	606	631	675	734	838	1184
-35°	224	292	368	442	509	571	615	647	687	740	909
-37.5°	207	267	335	406	471	535	597	626	657	698	769
-40°	188	241	305	370	433	496	556	608	633	675	723
-42.5°	168	219	275	333	394	453	513	568	622	655	694
-45°	147	195	245	300	354	409	465	522	588	646	674
-47.5°	126	169	217	265	315	365	416	478	544	606	666
-50°	104	144	188	234	278	323	369	434	498	558	616
-52.5°	85	118	160	203	243	283	331	390	451	511	565
-55°	65	95	129	170	211	247	293	347	402	459	513
-57.5°	50	72	102	135	174	214	259	303	354	406	453
-60°	38	53	75	103	134	174	222	266	308	350	394
-62.5°	27	39	54	73	99	130	171	216	265	301	336
-65°	24	28	38	52	65	91	121	156	197	234	271
-67.5°	22	25	28	34	46	60	74	101	131	156	183
-70°	20	22	25	28	31	37	49	62	74	89	110
-72.5°	18	20	22	24	27	30	34	37	44	54	62
-75°	16	17	19	21	23	25	28	31	33	36	38
-77.5°	14	15	16	17	19	20	22	24	26	28	30
-80°	12	12	13	14	15	16	17	18	19	21	22
-82.5°	11	11	11	11	12	13	14	15	15	16	16
-85°	9	9	9	9	10	10	11	11	12	12	12
-87.5°	9	9	8	8	9	9	9	9	9	9	9
-90°	6	6	6	6	5	5	5	4	4	4	4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8	9	9	9	10	10	11	12	12	18	23
87.5°	4	4	4	3	3	2	2	2	1	1	1
85°	4	4	4	3	3	2	2	2	1	1	1
82.5°	4	4	4	3	3	2	2	2	1	1	1
80°	4	4	4	3	3	3	3	3	3	2	2
77.5°	4	4	4	4	4	3	3	3	3	2	2
75°	5	5	5	5	4	4	4	3	3	3	3
72.5°	8	7	7	7	6	6	6	5	5	5	5
70°	14	15	14	13	11	9	9	8	7	7	7
67.5°	22	21	19	17	15	12	11	10	9	9	9
65°	28	22	19	17	15	13	12	11	9	9	9
62.5°	28	20	16	14	13	12	10	9	7	6	7
60°	24	17	12	11	9	8	7	7	6	6	6
57.5°	19	12	8	8	8	7	7	7	6	6	6
55°	13	10	8	9	9	8	8	7	7	6	7
52.5°	10	10	10	11	10	9	8	8	8	9	9
50°	11	11	12	11	10	10	10	10	11	11	12
47.5°	13	13	14	12	12	13	13	13	16	18	19
45°	17	19	19	19	19	21	22	23	28	30	30
42.5°	26	29	31	33	31	37	45	50	49	47	48
40°	39	44	52	57	62	68	70	61	59	67	68
37.5°	59	74	91	104	107	104	100	99	101	106	114
35°	97	133	149	157	162	147	141	147	142	156	161
32.5°	172	218	232	238	251	235	201	241	226	224	239
30°	272	337	393	397	388	386	405	411	392	392	453
27.5°	522	536	635	680	568	577	630	601	668	731	782
25°	826	838	1011	984	866	900	931	925	1001	1078	1165
22.5°	1106	1156	1298	1261	1208	1223	1251	1308	1411	1567	1974
20°	1329	1361	1430	1462	1465	1493	1585	1741	2062	3115	4386
17.5°	1544	1494	1576	1631	1689	1794	2006	2647	4195	7387	10515
15°	1856	1825	1777	1851	2014	2228	2723	5066	10326	16311	22534
12.5°	2197	2156	2089	2151	2398	2780	5111	11048	19456	30186	51087
10°	2468	2450	2408	2541	2863	4012	8141	17484	29986	54877	85304
7.5°	2634	2626	2661	2879	3318	5859	13309	26318	48286	82842	133920
5°	2816	2803	2860	3124	3644	7044	17346	34253	66970	114779	188956
2.5°	3010	2980	3040	3340	3898	7306	18252	36630	78061	139397	238779
0°	3207	3145	3177	3478	4088	8167	20130	40056	85901	153640	259339
-2.5°	3223	3119	3151	3428	4013	7032	17477	36899	81643	142954	237495
-5°	3250	3114	3105	3349	3906	6416	14827	33747	72132	125798	207722
-7.5°	3300	3140	3063	3243	3735	5577	12097	28093	58354	102602	161969
-10°	3383	3211	3085	3164	3520	4549	8004	20419	44172	77356	117597
-12.5°	3485	3405	3216	3107	3303	3860	6291	15256	31034	48940	78296
-15°	3532	3562	3426	3208	3221	3566	4400	8353	19481	32491	46972
-17.5°	3468	3610	3452	3202	3101	3306	3696	5145	9002	17358	25852
-20°	3280	3326	3294	3144	3038	3049	3242	3618	4371	7106	10112



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2932	2962	2953	3064	2945	2892	2934	3080	3313	3668	4663
-25°	2635	2623	2691	2877	2906	2777	2743	2754	2886	3044	3262
-27.5°	2352	2438	2589	2777	2859	2772	2663	2591	2655	2705	2803
-30°	2116	2337	2495	2666	2789	2776	2669	2634	2604	2569	2594
-32.5°	1739	2215	2378	2518	2667	2728	2727	2712	2726	2697	2633
-35°	1351	1865	2288	2366	2462	2604	2714	2731	2747	2747	2731
-37.5°	969	1446	1875	2191	2304	2408	2612	2721	2756	2812	2833
-40°	795	938	1367	1753	2013	2329	2540	2737	2940	3058	3125
-42.5°	743	802	865	1162	1533	1880	2211	2586	2873	3097	3319
-45°	705	743	785	843	902	1196	1533	1872	2191	2511	2819
-47.5°	690	704	733	767	805	857	906	981	1244	1504	1783
-50°	666	701	714	726	757	787	811	843	874	894	921
-52.5°	616	661	699	735	755	773	788	814	839	860	875
-55°	563	610	654	698	739	778	812	831	850	869	876
-57.5°	502	551	599	645	689	732	771	806	839	870	889
-60°	438	480	528	578	625	668	710	750	787	819	839
-62.5°	375	415	455	500	551	599	637	676	716	750	775
-65°	307	340	372	407	443	482	522	562	601	634	658
-67.5°	214	246	276	305	332	360	389	418	448	474	496
-70°	131	150	167	186	208	231	254	275	295	311	323
-72.5°	71	78	87	100	113	127	141	154	166	177	187
-75°	40	44	50	55	60	66	72	78	84	89	95
-77.5°	31	33	35	36	38	40	42	45	47	51	56
-80°	23	25	26	27	28	29	31	32	33	35	37
-82.5°	17	18	18	19	19	20	21	22	23	25	27
-85°	12	13	13	13	13	14	14	15	15	17	19
-87.5°	9	10	10	10	10	10	10	11	11	13	15
-90°	4	4	4	3	3	2	2	2	1	1	1



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	28	33	38	43	38	33	28	23	18	12	12
87.5°	1	1	1	0	1	1	1	1	1	1	2
85°	1	1	1	1	1	1	1	1	1	1	2
82.5°	1	1	1	1	1	1	1	1	1	1	2
80°	2	1	1	1	1	1	2	2	2	3	3
77.5°	2	1	1	1	1	1	2	2	2	3	3
75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	5	6	6	6	6	6	5	5	5	5	5
70°	8	8	9	10	9	8	8	7	7	7	8
67.5°	10	10	8	7	8	10	10	9	9	9	10
65°	8	8	8	7	8	8	8	9	9	9	11
62.5°	7	7	7	7	7	7	7	7	6	7	9
60°	6	6	6	6	6	6	6	6	6	6	7
57.5°	6	7	7	7	7	7	6	6	6	6	7
55°	7	7	7	8	7	7	7	7	6	7	7
52.5°	9	10	10	10	10	10	9	9	9	8	8
50°	12	12	12	13	12	12	12	12	11	11	10
47.5°	20	20	21	22	21	20	20	19	18	16	13
45°	32	33	34	36	34	33	32	30	30	28	23
42.5°	50	52	53	56	53	52	50	48	47	49	50
40°	69	70	71	74	71	70	69	68	67	59	61
37.5°	117	112	107	118	107	112	117	114	106	101	99
35°	160	163	167	175	167	163	160	161	156	142	147
32.5°	242	255	261	270	261	255	242	239	224	226	241
30°	482	481	442	449	442	481	482	453	392	392	411
27.5°	798	808	803	824	803	808	798	782	731	668	601
25°	1242	1284	1276	1316	1276	1284	1242	1165	1078	1001	925
22.5°	2474	2665	2662	2917	2662	2665	2474	1974	1567	1411	1308
20°	6607	7914	7375	7475	7375	7914	6607	4386	3115	2062	1741
17.5°	15236	19665	21588	23992	21588	19665	15236	10515	7387	4195	2647
15°	34781	46580	52483	46458	52483	46580	34781	22534	16311	10326	5066
12.5°	72821	93538	107859	96869	107859	93538	72821	51087	30186	19456	11048
10°	125804	163966	195504	185110	195504	163966	125804	85304	54877	29986	17484
7.5°	193402	255051	293529	293244	293529	255051	193402	133920	82842	48286	26318
5°	278247	357123	406117	412025	406117	357123	278247	188956	114779	66970	34253
2.5°	341069	426585	493484	517613	493484	426585	341069	238779	139397	78061	36630
0°	366718	454880	526392	566264	526392	454880	366718	259339	153640	85901	40056
-2.5°	346564	427991	486973	511676	486973	427991	346564	237495	142954	81643	36899
-5°	302597	379283	424782	440940	424782	379283	302597	207722	125798	72132	33747
-7.5°	236799	300992	340269	354456	340269	300992	236799	161969	102602	58354	28093
-10°	163984	211700	245800	256378	245800	211700	163984	117597	77356	44172	20419
-12.5°	105664	133974	152866	159747	152866	133974	105664	78296	48940	31034	15256
-15°	64281	80044	89194	92277	89194	80044	64281	46972	32491	19481	8353
-17.5°	35419	43026	45823	47791	45823	43026	35419	25852	17358	9002	5145
-20°	15868	19170	20791	21622	20791	19170	15868	10112	7106	4371	3618



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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°	6118	7083	7517	7874	7517	7083	6118	4663	3668	3313	3080
-25°	3452	3585	3646	3686	3646	3585	3452	3262	3044	2886	2754
-27.5°	2872	2950	3003	2994	3003	2950	2872	2803	2705	2655	2591
-30°	2596	2619	2639	2624	2639	2619	2596	2594	2569	2604	2634
-32.5°	2588	2564	2550	2546	2550	2564	2588	2633	2697	2726	2712
-35°	2714	2703	2696	2700	2696	2703	2714	2731	2747	2747	2731
-37.5°	2836	2819	2795	2775	2795	2819	2836	2833	2812	2756	2721
-40°	3138	3196	3270	3311	3270	3196	3138	3125	3058	2940	2737
-42.5°	3385	3428	3447	3446	3447	3428	3385	3319	3097	2873	2586
-45°	3052	3223	3315	3333	3315	3223	3052	2819	2511	2191	1872
-47.5°	2083	2360	2523	2544	2523	2360	2083	1783	1504	1244	981
-50°	957	994	1007	997	1007	994	957	921	894	874	843
-52.5°	889	903	911	913	911	903	889	875	860	839	814
-55°	884	892	897	901	897	892	884	876	869	850	831
-57.5°	907	924	932	935	932	924	907	889	870	839	806
-60°	857	873	879	881	879	873	857	839	819	787	750
-62.5°	799	820	828	830	828	820	799	775	750	716	676
-65°	680	698	699	694	699	698	680	658	634	601	562
-67.5°	516	533	534	529	534	533	516	496	474	448	418
-70°	334	342	343	342	343	342	334	323	311	295	275
-72.5°	195	203	201	198	201	203	195	187	177	166	154
-75°	99	103	105	106	105	103	99	95	89	84	78
-77.5°	60	65	66	67	66	65	60	56	51	47	45
-80°	39	40	40	40	40	40	39	37	35	33	32
-82.5°	29	30	31	32	31	30	29	27	25	23	22
-85°	20	22	23	24	23	22	20	19	17	15	15
-87.5°	16	18	19	19	19	18	16	15	13	11	11
-90°	0	0	0	0	0	0	0	1	1	1	2



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11	10	10	9	9	9	8	8	8	8	8
87.5°	2	2	3	3	4	4	4	4	4	4	4
85°	2	2	3	3	4	4	4	4	4	4	4
82.5°	2	2	3	3	4	4	4	4	4	4	4
80°	3	3	3	3	4	4	4	5	5	5	5
77.5°	3	3	4	4	4	4	4	5	5	5	6
75°	4	4	4	5	5	5	5	5	5	5	6
72.5°	6	6	6	7	7	7	8	7	7	6	6
70°	9	9	11	13	14	15	14	13	10	9	8
67.5°	11	12	15	17	19	21	22	23	22	20	14
65°	12	13	15	17	19	22	28	31	32	31	24
62.5°	10	12	13	14	16	20	28	35	40	39	31
60°	7	8	9	11	12	17	24	33	43	41	34
57.5°	7	7	8	8	8	12	19	27	37	36	33
55°	8	8	9	9	8	10	13	19	26	28	26
52.5°	8	9	10	11	10	10	10	14	17	20	20
50°	10	10	10	11	12	11	11	11	13	15	16
47.5°	13	13	12	12	14	13	13	12	14	14	15
45°	22	21	19	19	19	19	17	18	18	18	15
42.5°	45	37	31	33	31	29	26	25	25	23	22
40°	70	68	62	57	52	44	39	35	33	31	31
37.5°	100	104	107	104	91	74	59	47	42	44	42
35°	141	147	162	157	149	133	97	70	61	65	58
32.5°	201	235	251	238	232	218	172	113	109	102	85
30°	405	386	388	397	393	337	272	282	226	153	122
27.5°	630	577	568	680	635	536	522	571	414	274	180
25°	931	900	866	984	1011	838	826	871	756	444	254
22.5°	1251	1223	1208	1261	1298	1156	1106	1163	1132	653	389
20°	1585	1493	1465	1462	1430	1361	1329	1370	1234	884	530
17.5°	2006	1794	1689	1631	1576	1494	1544	1525	1365	1065	664
15°	2723	2228	2014	1851	1777	1825	1856	1751	1520	1190	845
12.5°	5111	2780	2398	2151	2089	2156	2197	2033	1729	1463	1144
10°	8141	4012	2863	2541	2408	2450	2468	2282	2015	1781	1466
7.5°	13309	5859	3318	2879	2661	2626	2634	2461	2260	2069	1799
5°	17346	7044	3644	3124	2860	2803	2816	2597	2472	2334	2131
2.5°	18252	7306	3898	3340	3040	2980	3010	2752	2652	2521	2346
0°	20130	8167	4088	3478	3177	3145	3207	2938	2818	2686	2529
-2.5°	17477	7032	4013	3428	3151	3119	3223	3056	2878	2701	2467
-5°	14827	6416	3906	3349	3105	3114	3250	3157	2939	2719	2359
-7.5°	12097	5577	3735	3243	3063	3140	3300	3241	3027	2828	2397
-10°	8004	4549	3520	3164	3085	3211	3383	3310	3118	2933	2380
-12.5°	6291	3860	3303	3107	3216	3405	3485	3345	3219	3037	2300
-15°	4400	3566	3221	3208	3426	3562	3532	3297	3172	3056	2155
-17.5°	3696	3306	3101	3202	3452	3610	3468	3218	3020	2741	1788
-20°	3242	3049	3038	3144	3294	3326	3280	3062	2802	2238	1435



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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°	2934	2892	2945	3064	2953	2962	2932	2787	2521	1713	1107
-25°	2743	2777	2906	2877	2691	2623	2635	2482	1990	1282	843
-27.5°	2663	2772	2859	2777	2589	2438	2352	2142	1478	1006	768
-30°	2669	2776	2789	2666	2495	2337	2116	1615	1133	791	710
-32.5°	2727	2728	2667	2518	2378	2215	1739	1184	838	734	675
-35°	2714	2604	2462	2366	2288	1865	1351	909	740	687	647
-37.5°	2612	2408	2304	2191	1875	1446	969	769	698	657	626
-40°	2540	2329	2013	1753	1367	938	795	723	675	633	608
-42.5°	2211	1880	1533	1162	865	802	743	694	655	622	568
-45°	1533	1196	902	843	785	743	705	674	646	588	522
-47.5°	906	857	805	767	733	704	690	666	606	544	478
-50°	811	787	757	726	714	701	666	616	558	498	434
-52.5°	788	773	755	735	699	661	616	565	511	451	390
-55°	812	778	739	698	654	610	563	513	459	402	347
-57.5°	771	732	689	645	599	551	502	453	406	354	303
-60°	710	668	625	578	528	480	438	394	350	308	266
-62.5°	637	599	551	500	455	415	375	336	301	265	216
-65°	522	482	443	407	372	340	307	271	234	197	156
-67.5°	389	360	332	305	276	246	214	183	156	131	101
-70°	254	231	208	186	167	150	131	110	89	74	62
-72.5°	141	127	113	100	87	78	71	62	54	44	37
-75°	72	66	60	55	50	44	40	38	36	33	31
-77.5°	42	40	38	36	35	33	31	30	28	26	24
-80°	31	29	28	27	26	25	23	22	21	19	18
-82.5°	21	20	19	19	18	18	17	16	16	15	15
-85°	14	14	13	13	13	13	12	12	12	12	11
-87.5°	10	10	10	10	10	10	9	9	9	9	9
-90°	2	2	3	3	4	4	4	4	4	4	4



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	7
87.5°	5	5	5	6	6	6	6	6	6	6	7
85°	5	5	5	6	6	6	6	6	6	6	7
82.5°	5	5	5	6	6	6	6	6	6	6	7
80°	5	5	5	6	6	6	7	7	7	7	7
77.5°	6	6	6	6	6	6	7	7	7	7	7
75°	6	6	6	6	6	6	7	7	7	7	7
72.5°	6	6	7	7	7	7	7	7	7	7	7
70°	7	7	7	7	7	7	7	7	7	7	7
67.5°	8	7	7	7	7	7	7	7	7	7	7
65°	16	11	7	7	7	7	7	7	7	7	7
62.5°	23	16	11	8	7	7	7	7	8	8	7
60°	28	20	15	11	8	7	7	7	8	8	8
57.5°	27	23	19	15	11	8	7	7	8	8	8
55°	24	21	21	17	13	10	8	8	8	8	8
52.5°	19	19	21	19	16	12	9	8	8	8	8
50°	15	18	21	21	18	14	10	9	8	8	8
47.5°	15	18	20	22	20	15	12	9	8	8	8
45°	18	20	20	22	23	17	13	10	9	8	8
42.5°	21	23	23	22	22	19	14	11	9	8	8
40°	29	27	27	26	23	20	15	12	9	9	8
37.5°	38	33	31	33	26	21	16	12	10	9	9
35°	50	43	41	43	35	23	16	13	11	9	9
32.5°	63	62	61	54	46	25	18	14	12	10	9
30°	95	96	91	66	59	36	21	16	14	10	9
27.5°	149	136	127	92	71	49	25	18	15	11	10
25°	207	185	166	127	84	66	29	21	17	12	10
22.5°	275	234	209	167	105	85	38	24	19	13	10
20°	343	284	256	204	136	102	53	28	21	14	10
17.5°	419	346	307	242	170	122	68	31	23	16	11
15°	570	425	362	284	201	143	84	34	25	17	11
12.5°	752	503	422	329	230	164	100	37	27	18	11
10°	952	581	484	375	256	187	115	42	29	20	12
7.5°	1161	657	547	422	285	221	152	50	32	21	12
5°	1365	729	616	491	341	267	194	58	34	22	13
2.5°	1537	796	684	559	395	311	236	66	37	23	13
0°	1685	858	748	623	448	353	275	74	39	24	14
-2.5°	1570	862	756	648	487	388	297	93	51	30	17
-5°	1435	862	761	668	524	419	315	112	62	36	19
-7.5°	1428	866	767	685	557	447	327	129	72	41	22
-10°	1410	870	775	688	564	458	332	144	81	46	24
-12.5°	1338	869	781	687	562	453	322	155	89	50	26
-15°	1204	865	786	681	555	445	310	164	98	55	27
-17.5°	992	856	791	671	543	436	297	171	105	60	29
-20°	897	828	791	655	526	424	284	176	110	63	32



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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°	835	784	739	634	506	411	272	178	114	66	33
-25°	768	739	685	590	488	390	266	177	116	67	34
-27.5°	713	690	639	547	461	372	264	179	116	66	33
-30°	661	643	593	509	432	345	259	178	116	65	32
-32.5°	631	606	549	476	401	316	243	175	113	64	31
-35°	615	571	509	442	368	292	224	169	107	60	30
-37.5°	597	535	471	406	335	267	207	154	100	55	28
-40°	556	496	433	370	305	241	188	138	92	48	26
-42.5°	513	453	394	333	275	219	168	121	80	43	23
-45°	465	409	354	300	245	195	147	103	67	39	20
-47.5°	416	365	315	265	217	169	126	87	53	33	19
-50°	369	323	278	234	188	144	104	71	45	26	19
-52.5°	331	283	243	203	160	118	85	54	36	23	17
-55°	293	247	211	170	129	95	65	44	27	21	16
-57.5°	259	214	174	135	102	72	50	34	24	19	15
-60°	222	174	134	103	75	53	38	26	22	17	15
-62.5°	171	130	99	73	54	39	27	23	19	16	14
-65°	121	91	65	52	38	28	24	21	18	15	13
-67.5°	74	60	46	34	28	25	22	19	17	14	12
-70°	49	37	31	28	25	22	20	18	15	13	11
-72.5°	34	30	27	24	22	20	18	16	14	12	10
-75°	28	25	23	21	19	17	16	14	13	11	10
-77.5°	22	20	19	17	16	15	14	13	11	10	9
-80°	17	16	15	14	13	12	12	12	11	10	9
-82.5°	14	13	12	11	11	11	11	10	10	9	8
-85°	11	10	10	9	9	9	9	9	9	9	8
-87.5°	9	9	9	8	8	9	9	9	8	8	8
-90°	5	5	5	6	6	6	6	6	6	6	7



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7	7	7	7	7	7	7
87.5°	7	7	7	7	7	7	7
85°	7	7	7	7	7	7	7
82.5°	7	7	7	7	7	7	7
80°	7	7	7	7	7	7	7
77.5°	7	7	7	7	7	7	7
75°	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	7	7
70°	7	7	7	7	7	7	7
67.5°	7	7	7	7	7	7	7
65°	7	7	7	7	7	7	7
62.5°	7	7	7	7	7	7	7
60°	7	7	7	7	7	7	7
57.5°	7	7	7	7	7	7	7
55°	8	8	7	7	7	7	7
52.5°	8	8	7	7	7	7	7
50°	8	8	8	7	7	7	7
47.5°	8	8	8	7	7	7	7
45°	8	8	8	7	7	7	7
42.5°	8	8	8	7	7	7	7
40°	8	8	8	7	7	7	7
37.5°	8	8	8	7	7	7	7
35°	8	8	8	8	7	7	7
32.5°	8	8	8	8	7	7	7
30°	8	8	8	8	7	7	7
27.5°	9	8	8	8	7	7	7
25°	9	8	8	8	7	7	7
22.5°	9	8	8	8	7	7	7
20°	9	8	8	8	7	7	7
17.5°	9	9	8	8	7	7	7
15°	10	9	8	8	7	7	7
12.5°	10	9	8	8	7	7	7
10°	10	9	8	8	7	7	7
7.5°	10	9	8	8	7	7	7
5°	11	9	8	8	7	7	7
2.5°	11	10	8	8	7	7	7
0°	11	10	8	8	7	7	7
-2.5°	12	10	8	8	7	7	7
-5°	13	10	9	8	7	7	7
-7.5°	13	10	9	8	7	7	7
-10°	14	10	9	8	7	7	7
-12.5°	14	10	9	8	7	7	7
-15°	15	10	9	8	7	7	7
-17.5°	15	10	9	8	7	7	7
-20°	15	10	9	8	7	7	7



REPORT NUMBER: P1306302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)