

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: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-2S-CV5-A**

Issue Date: 2/3/2026

Test Information

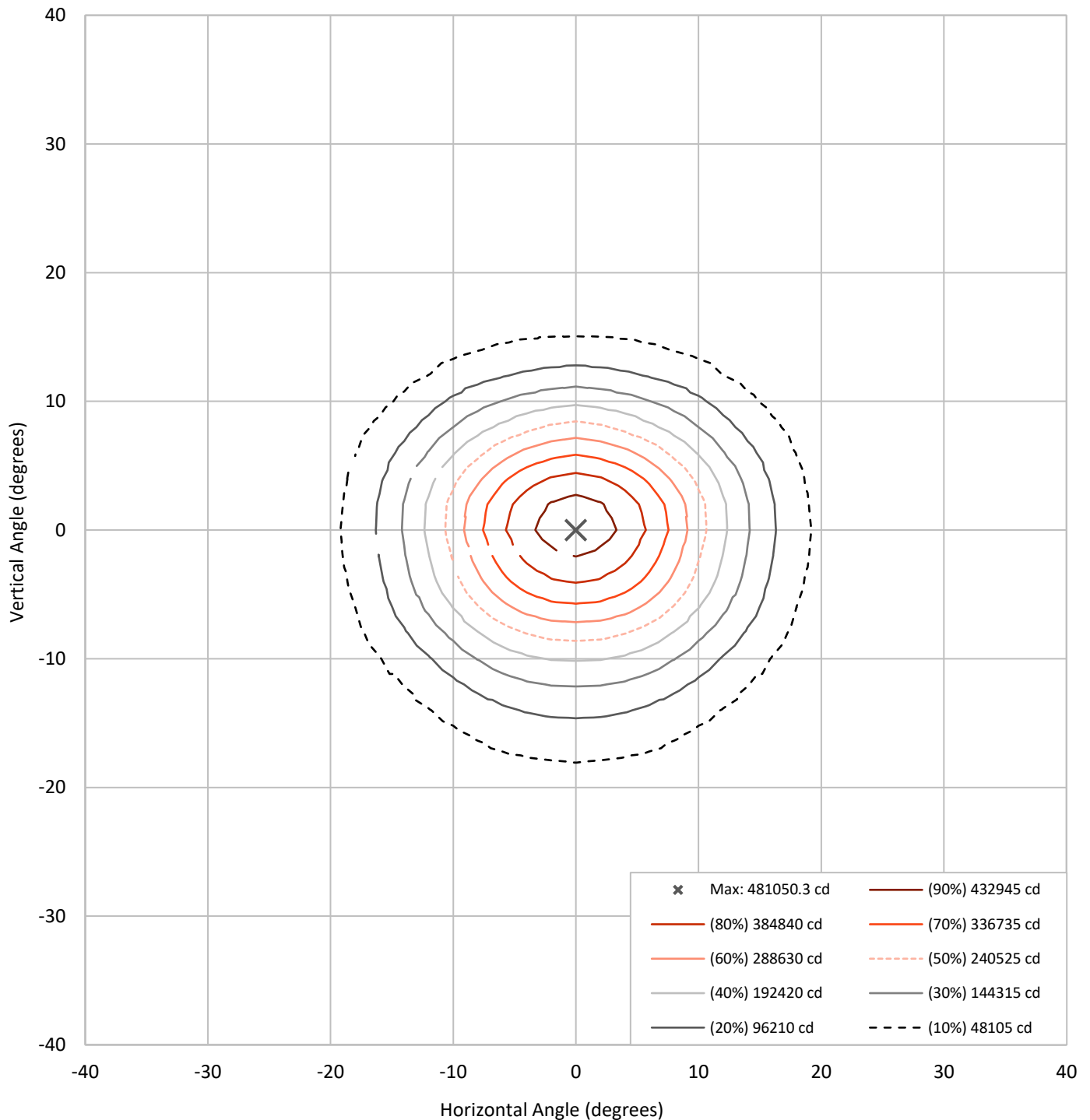
Test Method: LM-79-08
Report Number: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-70-2S-CV5-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S 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:	64883.8 lumens	Max Intensity:	481050.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	28394.7 lumens	Field Lumens:	54960 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%
Input Watts (W):	711		
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





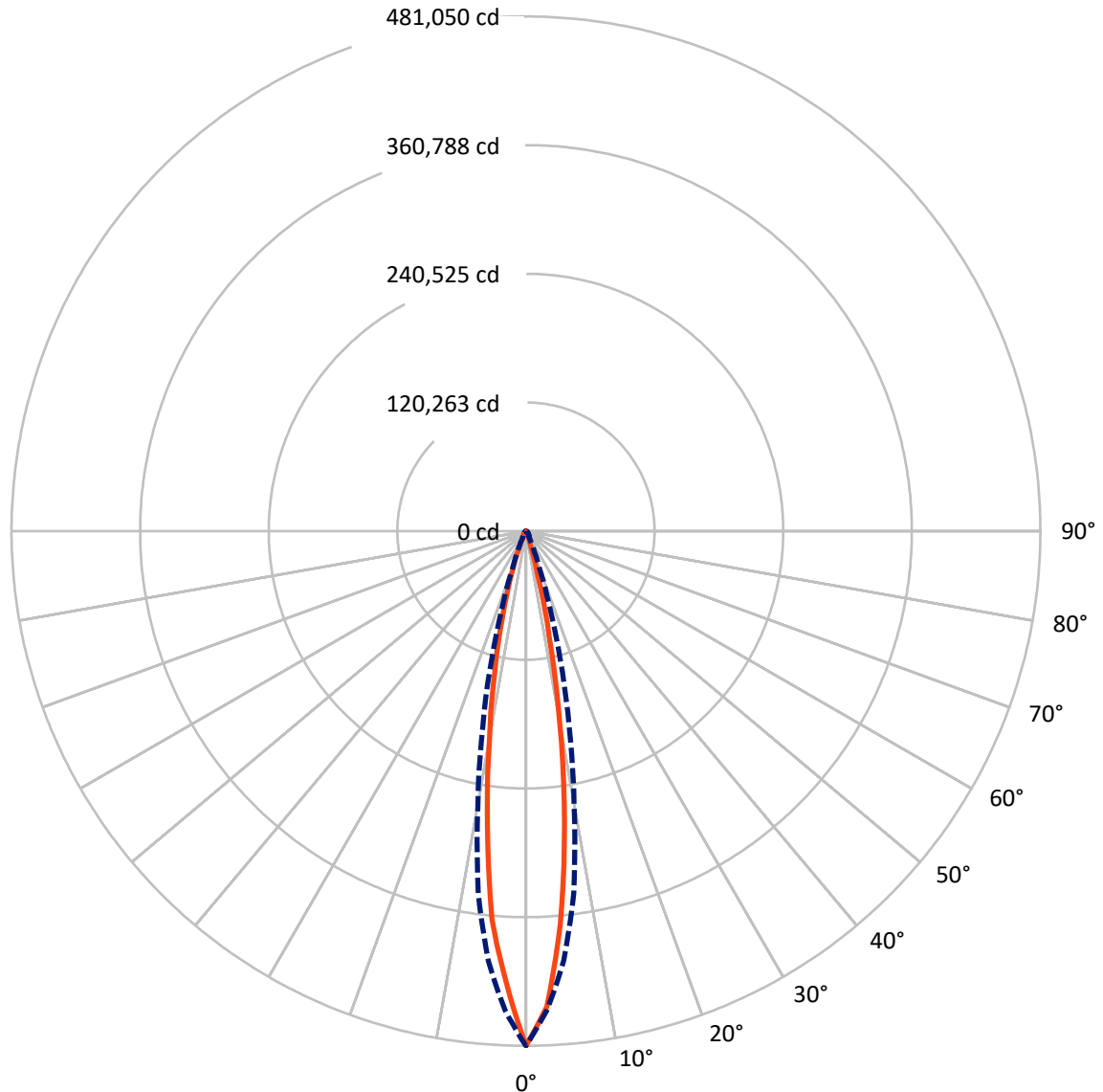
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Lumen Table

90	0.2	0.5		0.8		0.8		1.0		0.8		0.8		0.5		0.2			
80	0.2	0.5		0.8		0.8		1.0		0.8		0.8		0.5		0.2			
70	0.2	0.1	0.2	0.8	0.8	0.5	0.2	0.2	0.2	0.2	0.5	0.8	0.8	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.2	0.2			
40		0.3	0.6	0.9	1.7	2.4	2.7	3.2	3.2	2.7	2.4	1.7	0.9	0.6	0.3				
30	0.3	0.5	1.7	4.2	8.1	10.4	18.4	39.0	39.0	18.4	10.4	8.1	4.2	1.7	0.5	0.3			
20		1.2	6.0	19.9	41.7	75.6	522.0	1607.8	1607.8	522.0	75.6	41.7	19.9	6.0	1.2				
10	0.4	2.3	12.4	48.5	97.2	308.7	3013.7	8958.7	8958.7	3013.7	308.7	97.2	48.5	12.4	2.3	0.4			
0		3.0	14.7	56.7	110.9	322.1	3076.2	9006.9	9006.9	3076.2	322.1	110.9	56.7	14.7	3.0				
-10	0.7	3.2	12.9	42.4	85.7	139.0	849.5	2523.4	2523.4	849.5	139.0	85.7	42.4	12.9	3.2	0.7			
-20		3.1	10.8	25.1	63.8	90.5	136.9	287.3	287.3	136.9	90.5	63.8	25.1	10.8	3.1				
-30	0.6	2.7	8.8	17.4	39.0	74.7	95.1	102.2	102.2	95.1	74.7	39.0	17.4	8.8	2.7	0.6			
-40		1.9	6.5	13.9	23.6	38.2	62.1	80.7	80.7	62.1	38.2	23.6	13.9	6.5	1.9				
-50	0.4	0.9	3.8	8.8	16.0	23.3	28.7	32.0	32.0	28.7	23.3	16.0	8.8	3.8	0.9	0.4			
-60		0.4	1.3	3.7	7.1	11.0	14.8	17.3	17.3	14.8	11.0	7.1	3.7	1.3	0.4				
-70	0.3	1.2		3.3		8.1		12.7		8.1		3.3		1.2		0.3			
-80		1.2		3.3		8.1		12.7		8.1		3.3		1.2					
-90	0.3	1.2		3.3		8.1		12.7		8.1		3.3		1.2		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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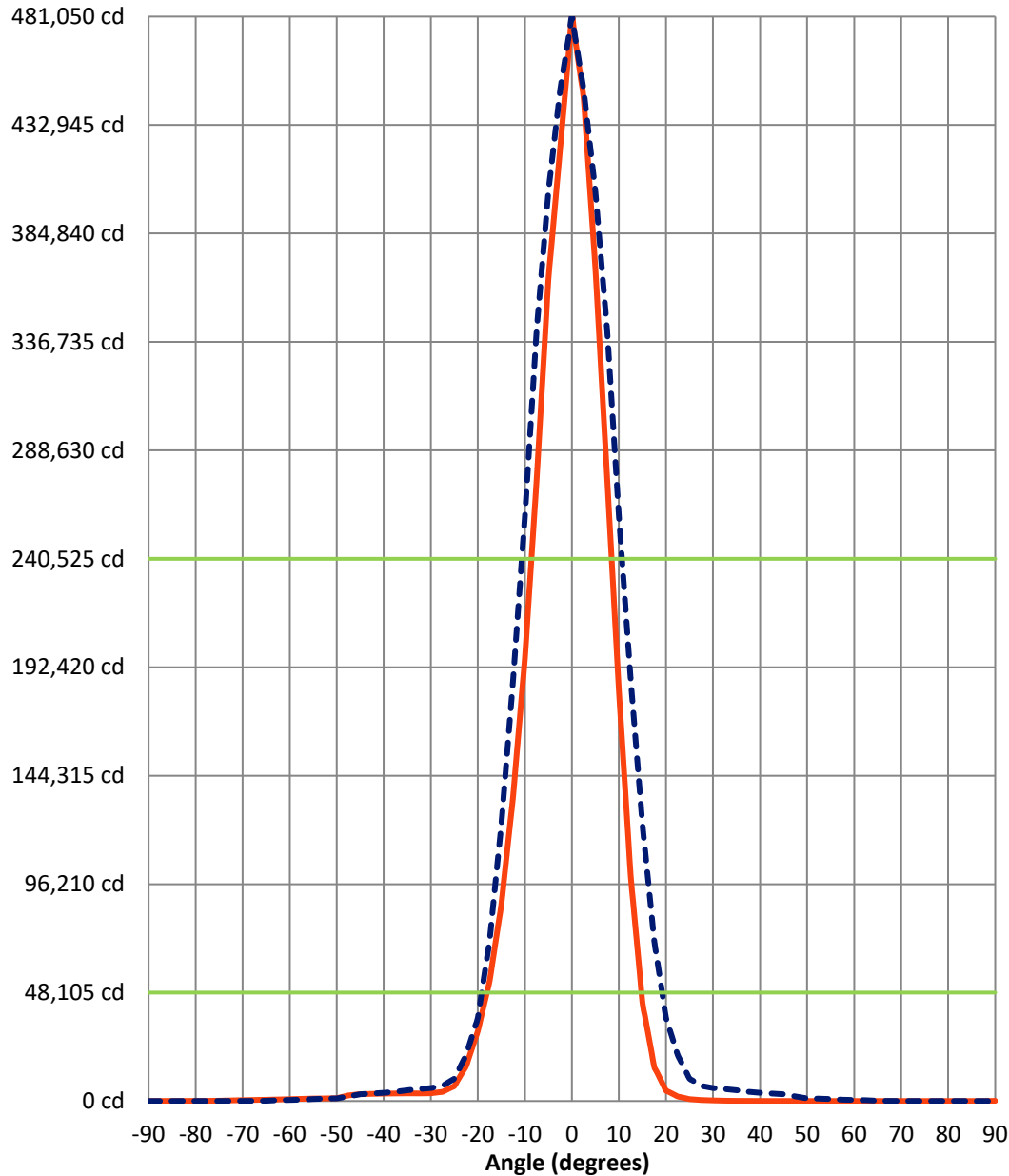
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 21.3°
V Angle: 17°
Lumens: 28394.7
Efficiency: 43.8%

Field:
H Angle: 38.4°
V Angle: 32.9°
Lumens: 54960
Efficiency: 84.7%

Spill:
Lumens: 9923.8
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°	8	8	8	9	9	10	10	11	11	12	12
87.5°	8	8	8	8	8	8	8	8	7	7	7
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	8
67.5°	8	8	8	8	9	9	8	8	8	8	8
65°	8	8	8	8	9	9	8	8	8	9	8
62.5°	8	8	8	9	9	9	8	8	9	9	9
60°	8	8	8	9	9	9	8	9	9	9	9
57.5°	8	8	8	9	9	9	9	9	10	9	9
55°	8	8	8	9	9	9	9	10	10	9	10
52.5°	8	8	8	9	9	9	10	10	10	10	11
50°	8	8	9	10	9	9	10	10	10	11	13
47.5°	8	8	9	10	10	10	11	11	11	12	14
45°	8	8	9	10	10	10	11	11	11	13	15
42.5°	8	8	9	10	10	11	11	11	12	13	17
40°	8	8	9	10	10	11	12	12	13	14	18
37.5°	8	8	9	10	10	11	12	13	14	15	19
35°	8	8	9	10	10	12	12	13	15	17	20
32.5°	8	8	9	10	11	12	13	14	16	19	22
30°	8	8	9	10	11	12	13	15	17	22	24
27.5°	8	8	10	10	11	13	14	16	19	24	26
25°	8	8	10	11	11	13	14	17	21	26	29
22.5°	8	8	10	11	12	13	15	18	22	28	35
20°	8	8	10	11	12	13	15	19	24	30	41
17.5°	8	8	10	11	12	14	16	20	26	33	47
15°	8	8	10	11	12	14	16	21	27	35	54
12.5°	8	8	10	11	12	14	16	21	29	38	61
10°	8	8	10	11	12	14	17	22	31	42	70
7.5°	8	8	10	12	12	14	17	23	32	46	81
5°	8	8	10	12	12	14	17	23	33	51	92
2.5°	8	8	10	12	12	14	18	24	35	56	102
0°	8	8	10	12	12	14	18	24	36	60	112
-2.5°	8	8	10	12	12	14	20	29	45	74	130
-5°	8	8	10	12	13	15	21	33	54	88	147
-7.5°	8	8	10	12	13	15	22	37	63	101	162
-10°	8	8	10	12	13	16	24	41	70	112	176
-12.5°	8	8	10	13	14	16	25	44	77	122	188
-15°	8	8	10	13	14	16	25	46	82	131	198
-17.5°	8	8	10	13	14	17	26	49	88	138	206
-20°	8	8	10	13	14	17	26	51	92	144	211



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-2S-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	13	15	17	27	52	94	148	214
-25°	8	8	10	13	15	17	27	52	95	151	214
-27.5°	8	8	10	13	15	18	27	51	94	151	216
-30°	8	8	10	13	15	18	26	48	93	150	216
-32.5°	8	8	10	13	15	18	24	46	90	147	213
-35°	8	8	10	13	15	18	23	44	85	141	208
-37.5°	8	8	10	13	15	18	23	42	78	134	194
-40°	8	8	10	13	15	18	23	38	69	124	177
-42.5°	8	8	10	12	15	18	23	33	62	108	158
-45°	8	9	10	12	15	18	22	29	55	91	138
-47.5°	8	8	10	12	15	18	21	28	47	73	117
-50°	8	8	10	12	15	17	21	27	37	62	96
-52.5°	8	8	10	12	14	17	20	25	32	50	74
-55°	8	8	10	12	14	17	20	23	30	38	60
-57.5°	8	8	10	12	14	16	19	23	27	33	45
-60°	8	8	10	11	13	16	19	22	25	30	34
-62.5°	8	8	10	11	13	15	18	21	23	27	31
-65°	8	8	10	11	13	15	17	20	22	25	28
-67.5°	8	8	9	11	12	14	17	19	21	23	26
-70°	8	8	9	10	12	14	16	18	20	21	24
-72.5°	8	8	9	10	11	13	15	17	19	20	22
-75°	8	8	9	10	11	12	14	16	18	19	21
-77.5°	8	8	9	10	11	12	13	15	17	18	20
-80°	8	8	9	10	10	11	12	14	15	17	19
-82.5°	8	8	9	9	10	11	12	13	14	16	17
-85°	8	8	8	9	10	10	11	12	13	14	15
-87.5°	8	8	8	9	9	10	11	11	12	13	14
-90°	8	8	8	8	8	8	8	8	7	7	6



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-2S-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12	12	12	12	13	13	14	14	14	15	15
87.5°	7	7	6	6	6	6	6	6	6	5	5
85°	7	7	7	6	6	6	6	6	6	6	5
82.5°	8	8	7	7	7	7	7	6	6	6	6
80°	8	8	8	8	8	7	7	6	6	6	6
77.5°	8	8	8	8	8	7	7	7	7	7	7
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	10	12	13
70°	8	8	8	8	8	9	12	16	19	22	24
67.5°	8	8	8	8	10	14	18	27	36	39	39
65°	8	8	9	11	14	20	30	41	49	48	45
62.5°	8	9	11	14	20	28	37	45	53	51	44
60°	9	10	14	19	25	31	40	45	49	50	38
57.5°	10	12	18	24	28	32	36	40	41	40	29
55°	11	16	21	27	30	28	30	31	30	28	19
52.5°	14	19	24	29	29	25	22	22	20	17	14
50°	16	21	27	29	27	22	17	16	15	13	12
47.5°	18	24	29	30	24	20	16	14	13	13	12
45°	20	26	31	28	23	20	17	14	14	14	14
42.5°	22	27	29	26	23	21	19	17	16	16	16
40°	23	27	28	27	25	24	24	22	19	20	21
37.5°	23	27	28	31	28	29	30	30	28	26	30
35°	23	28	33	36	35	36	39	41	40	39	46
32.5°	24	29	40	44	46	47	50	53	56	60	74
30°	27	35	48	52	60	68	66	68	75	102	126
27.5°	32	44	56	64	77	95	98	90	114	155	194
25°	39	70	64	79	104	128	140	145	173	229	272
22.5°	54	106	104	96	134	167	195	250	329	347	356
20°	80	141	151	159	180	209	258	392	559	620	557
17.5°	111	180	205	242	289	299	339	560	848	948	968
15°	146	221	262	334	406	441	558	833	1164	1328	1442
12.5°	183	265	321	433	529	584	833	1253	1571	1762	2062
10°	222	310	382	538	657	727	1138	1687	2007	2225	2610
7.5°	262	353	443	645	786	869	1458	2124	2432	2669	3057
5°	300	392	497	734	894	993	1755	2554	2844	3096	3444
2.5°	335	430	549	817	984	1086	1924	2799	3107	3406	3788
0°	366	466	598	893	1069	1175	2061	3012	3330	3657	4113
-2.5°	371	477	614	886	1053	1161	2026	2979	3366	3747	4223
-5°	371	485	625	872	1032	1143	1955	2904	3353	3731	4178
-7.5°	366	490	632	851	1000	1103	1820	2719	3190	3523	3952
-10°	359	488	622	816	955	1049	1647	2501	3018	3310	3692
-12.5°	350	481	608	779	911	994	1446	2253	2843	3099	3412
-15°	339	473	590	741	869	938	1219	1981	2669	2936	3180
-17.5°	327	462	570	703	832	882	975	1683	2423	2758	3006
-20°	316	451	548	666	797	846	906	1397	2064	2552	2815



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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°	305	438	528	636	757	826	872	1117	1685	2322	2611
-25°	301	419	510	609	720	807	841	882	1340	1951	2404
-27.5°	300	404	491	579	682	783	818	849	1082	1577	2165
-30°	296	382	470	549	646	741	801	834	887	1270	1759
-32.5°	283	360	445	524	609	700	787	828	871	976	1386
-35°	266	339	418	496	571	661	749	822	855	904	1074
-37.5°	251	316	391	466	538	620	709	791	848	886	947
-40°	233	292	364	435	505	579	662	747	823	888	935
-42.5°	212	269	334	404	469	539	613	695	781	871	937
-45°	190	245	303	367	430	495	565	639	727	818	907
-47.5°	165	218	274	327	387	449	514	586	664	750	841
-50°	139	189	240	289	341	399	459	528	601	676	758
-52.5°	114	157	205	252	298	347	404	466	532	602	671
-55°	87	126	167	212	256	299	346	402	459	522	583
-57.5°	67	95	132	170	212	254	296	338	388	441	491
-60°	50	70	97	130	165	204	246	285	324	360	403
-62.5°	35	51	69	92	122	153	189	227	266	298	326
-65°	32	36	48	64	80	108	136	165	198	228	257
-67.5°	29	32	35	41	55	71	87	112	137	159	180
-70°	26	28	31	34	37	44	57	71	85	101	120
-72.5°	24	26	28	30	32	35	39	42	50	61	73
-75°	22	24	26	27	29	31	33	36	38	41	43
-77.5°	21	22	23	25	26	27	28	30	32	34	36
-80°	19	20	21	22	23	23	24	25	26	27	29
-82.5°	18	18	18	19	19	20	20	21	21	22	23
-85°	16	16	16	17	16	16	16	16	17	17	18
-87.5°	14	14	14	14	14	14	14	14	14	14	14
-90°	6	6	6	6	6	6	6	6	6	5	5



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 CATALOG NUMBER: EPH-08-680N-40-70-2S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16	16	16	16	16	21	27	32	38	48	57
87.5°	4	4	4	4	4	4	3	3	2	2	2
85°	5	5	5	4	4	4	4	4	4	3	3
82.5°	6	6	5	5	4	4	3	3	2	2	2
80°	6	6	5	5	4	4	4	4	4	4	4
77.5°	6	6	5	5	4	4	4	4	4	4	3
75°	8	8	7	7	6	6	5	5	4	4	4
72.5°	14	14	13	13	11	10	10	9	9	9	9
70°	25	25	23	21	17	14	13	12	10	10	10
67.5°	35	31	28	24	19	15	14	12	10	8	8
65°	39	31	26	22	18	15	12	10	8	7	7
62.5°	35	26	20	17	14	12	10	8	7	6	6
60°	28	19	14	12	10	8	7	6	5	5	5
57.5°	20	14	10	9	8	7	6	5	5	5	6
55°	14	11	10	9	8	7	6	6	6	6	6
52.5°	11	11	10	9	8	7	6	6	6	6	6
50°	11	11	10	10	9	7	6	6	7	7	7
47.5°	12	11	11	10	9	9	8	8	9	9	9
45°	12	12	12	12	11	11	12	12	14	14	12
42.5°	15	16	17	17	15	19	26	29	26	21	18
40°	23	24	28	31	38	44	38	31	28	30	32
37.5°	36	43	52	63	58	47	47	47	46	49	49
35°	60	76	85	83	77	73	76	80	72	79	81
32.5°	97	115	118	111	112	118	129	127	130	138	147
30°	140	162	170	159	150	165	171	177	194	218	238
27.5°	211	227	241	229	205	223	236	232	281	307	365
25°	299	322	330	335	327	323	355	371	439	510	632
22.5°	409	471	488	465	491	509	530	602	737	957	1271
20°	548	674	775	758	698	775	862	1090	1485	2372	3098
17.5°	988	990	1192	1273	1174	1341	1769	2510	4141	7133	9074
15°	1668	1713	1805	1914	2093	2529	3390	6497	11176	17649	24292
12.5°	2388	2490	2649	2738	3102	4269	7964	14767	24643	37105	57778
10°	3007	3277	3482	3761	4701	7441	13817	25572	45480	72367	104144
7.5°	3445	3840	4187	4710	6662	12187	22881	42437	72506	110476	154281
5°	3886	4386	4774	5464	7915	15746	29977	58238	101658	153347	211931
2.5°	4333	4895	5323	6177	8716	17551	33577	67668	120934	183872	254998
0°	4783	5316	5766	6731	9961	20391	36969	71267	122730	186975	259171
-2.5°	4763	5114	5527	6274	9086	18771	34361	67352	116185	175774	241245
-5°	4581	4828	5155	5816	8129	15646	29718	57573	102617	157212	213644
-7.5°	4300	4507	4752	5297	7025	12453	24038	46177	81404	120957	164230
-10°	4030	4190	4364	4742	5852	9127	17054	31290	56666	86256	119187
-12.5°	3782	3909	4001	4161	4714	6611	12261	22442	37020	55350	79643
-15°	3528	3636	3684	3812	4174	5113	7390	13794	23142	34979	47297
-17.5°	3256	3384	3456	3538	3696	4085	5342	8035	13686	21633	29566
-20°	3032	3183	3245	3302	3447	3676	4035	5246	7310	12259	17192



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	2816	2952	3032	3155	3343	3501	3619	3907	4765	6115	8526
-25°	2619	2737	2895	3131	3315	3428	3450	3463	3707	3975	4789
-27.5°	2421	2589	2824	3090	3309	3364	3367	3362	3421	3461	3664
-30°	2245	2464	2686	2970	3183	3272	3310	3337	3367	3404	3417
-32.5°	1886	2333	2513	2740	3008	3150	3221	3282	3315	3347	3373
-35°	1491	1963	2392	2539	2729	2969	3148	3221	3282	3316	3349
-37.5°	1121	1526	1943	2334	2528	2698	2926	3104	3217	3261	3300
-40°	988	1093	1461	1820	2162	2486	2676	2891	3062	3149	3217
-42.5°	983	1021	1059	1311	1629	1941	2235	2511	2766	2939	3068
-45°	982	1009	1041	1078	1116	1360	1632	1906	2185	2448	2683
-47.5°	918	986	1024	1054	1079	1111	1148	1217	1445	1674	1904
-50°	830	899	961	1021	1052	1073	1093	1116	1144	1173	1203
-52.5°	732	797	861	918	968	1015	1060	1081	1096	1110	1122
-55°	641	697	751	801	851	897	939	975	1008	1039	1062
-57.5°	544	597	647	690	731	769	807	841	873	900	923
-60°	447	490	534	575	614	650	681	710	736	760	781
-62.5°	355	389	426	460	491	521	554	582	606	627	647
-65°	283	307	334	360	385	413	444	471	495	514	531
-67.5°	204	228	254	277	299	322	351	378	403	424	440
-70°	138	155	174	195	216	238	263	287	311	329	345
-72.5°	85	96	107	121	135	152	171	191	210	226	239
-75°	45	49	57	65	73	82	92	101	110	117	124
-77.5°	38	40	41	43	44	48	53	58	63	68	73
-80°	31	32	33	34	35	38	42	45	48	51	55
-82.5°	24	24	25	25	26	28	30	33	35	38	41
-85°	18	18	18	19	19	21	22	24	26	29	32
-87.5°	14	14	14	14	14	16	19	21	23	25	27
-90°	4	4	4	4	4	4	3	3	2	2	1



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-2S-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	67	76	81	86	81	76	67	57	48	38	32
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°	2	2	2	2	2	2	2	2	2	2	3
80°	4	4	3	2	3	4	4	4	4	4	4
77.5°	3	2	3	4	3	2	3	3	4	4	4
75°	4	4	4	4	4	4	4	4	4	4	5
72.5°	8	8	8	8	8	8	8	9	9	9	9
70°	10	10	10	10	10	10	10	10	10	10	12
67.5°	8	8	7	6	7	8	8	8	8	10	12
65°	7	8	7	6	7	8	7	7	7	8	10
62.5°	6	6	6	6	6	6	6	6	6	7	8
60°	5	6	6	6	6	6	5	5	5	5	6
57.5°	6	6	6	6	6	6	6	6	5	5	5
55°	6	6	6	6	6	6	6	6	6	6	6
52.5°	6	6	6	6	6	6	6	6	6	6	6
50°	7	6	6	6	6	6	7	7	7	7	6
47.5°	9	8	8	8	8	8	9	9	9	9	8
45°	12	12	12	12	12	12	12	12	14	14	12
42.5°	18	18	18	18	18	18	18	18	21	26	29
40°	34	34	33	32	33	34	34	32	30	28	31
37.5°	49	50	50	50	50	50	49	49	49	46	47
35°	80	78	73	74	73	78	80	81	79	72	80
32.5°	153	150	142	148	142	150	153	147	138	130	127
30°	257	267	271	270	271	267	257	238	218	194	177
27.5°	395	418	432	440	432	418	395	365	307	281	232
25°	719	775	807	849	807	775	719	632	510	439	371
22.5°	1608	1810	1938	2030	1938	1810	1608	1271	957	737	602
20°	4172	4156	4490	4671	4490	4156	4172	3098	2372	1485	1090
17.5°	13061	15136	15663	15213	15663	15136	13061	9074	7133	4141	2510
15°	33572	40505	43718	43673	43718	40505	33572	24292	17649	11176	6497
12.5°	72393	85784	94527	99816	94527	85784	72393	57778	37105	24643	14767
10°	131378	154316	172607	181797	172607	154316	131378	104144	72367	45480	25572
7.5°	194699	231813	263152	276161	263152	231813	194699	154281	110476	72506	42437
5°	268055	327110	356441	369080	356441	327110	268055	211931	153347	101658	58238
2.5°	329426	388312	429308	444888	429308	388312	329426	254998	183872	120934	67668
0°	341711	403270	448390	481050	448390	403270	341711	259171	186975	122730	71267
-2.5°	315619	375768	408736	422549	408736	375768	315619	241245	175774	116185	67352
-5°	274379	327764	358245	364366	358245	327764	274379	213644	157212	102617	57573
-7.5°	209675	246630	270671	275524	270671	246630	209675	164230	120957	81404	46177
-10°	152485	179129	194569	196239	194569	179129	152485	119187	86256	56666	31290
-12.5°	101883	122761	133680	135258	133680	122761	101883	79643	55350	37020	22442
-15°	63845	77425	85444	87183	85444	77425	63845	47297	34979	23142	13794
-17.5°	39338	46207	50413	53194	50413	46207	39338	29566	21633	13686	8035
-20°	23002	27456	29956	31092	29956	27456	23002	17192	12259	7310	5246



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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°	11548	13745	15242	15469	15242	13745	11548	8526	6115	4765	3907
-25°	5601	6213	6633	6657	6633	6213	5601	4789	3975	3707	3463
-27.5°	3829	3957	4039	4087	4039	3957	3829	3664	3461	3421	3362
-30°	3431	3450	3462	3447	3462	3450	3431	3417	3404	3367	3337
-32.5°	3382	3390	3397	3386	3397	3390	3382	3373	3347	3315	3282
-35°	3378	3402	3422	3417	3422	3402	3378	3349	3316	3282	3221
-37.5°	3328	3350	3364	3364	3364	3350	3328	3300	3261	3217	3104
-40°	3254	3284	3303	3302	3303	3284	3254	3217	3149	3062	2891
-42.5°	3129	3170	3190	3188	3190	3170	3129	3068	2939	2766	2511
-45°	2859	2993	3065	3072	3065	2993	2859	2683	2448	2185	1906
-47.5°	2130	2337	2463	2492	2463	2337	2130	1904	1674	1445	1217
-50°	1232	1260	1271	1267	1271	1260	1232	1203	1173	1144	1116
-52.5°	1133	1145	1153	1159	1153	1145	1133	1122	1110	1096	1081
-55°	1082	1097	1106	1111	1106	1097	1082	1062	1039	1008	975
-57.5°	942	957	966	969	966	957	942	923	900	873	841
-60°	800	814	823	827	823	814	800	781	760	736	710
-62.5°	664	678	686	690	686	678	664	647	627	606	582
-65°	546	559	566	570	566	559	546	531	514	495	471
-67.5°	455	468	476	482	476	468	455	440	424	403	378
-70°	359	372	376	378	376	372	359	345	329	311	287
-72.5°	252	262	269	274	269	262	252	239	226	210	191
-75°	131	137	141	144	141	137	131	124	117	110	101
-77.5°	78	83	86	88	86	83	78	73	68	63	58
-80°	58	62	63	64	63	62	58	55	51	48	45
-82.5°	43	46	47	48	47	46	43	41	38	35	33
-85°	35	38	39	40	39	38	35	32	29	26	24
-87.5°	30	32	34	36	34	32	30	27	25	23	21
-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°	27	21	16	16	16	16	16	15	15	14	14
87.5°	3	4	4	4	4	4	4	5	5	6	6
85°	4	4	4	4	5	5	5	5	6	6	6
82.5°	3	4	4	5	5	6	6	6	6	6	6
80°	4	4	4	5	5	6	6	6	6	6	6
77.5°	4	4	4	5	5	6	6	7	7	7	7
75°	5	6	6	7	7	8	8	8	8	8	8
72.5°	10	10	11	13	13	14	14	13	12	10	8
70°	13	14	17	21	23	25	25	24	22	19	16
67.5°	14	15	19	24	28	31	35	39	39	36	27
65°	12	15	18	22	26	31	39	45	48	49	41
62.5°	10	12	14	17	20	26	35	44	51	53	45
60°	7	8	10	12	14	19	28	38	50	49	45
57.5°	6	7	8	9	10	14	20	29	40	41	40
55°	6	7	8	9	10	11	14	19	28	30	31
52.5°	6	7	8	9	10	11	11	14	17	20	22
50°	6	7	9	10	10	11	11	12	13	15	16
47.5°	8	9	9	10	11	11	12	12	13	13	14
45°	12	11	11	12	12	12	12	14	14	14	14
42.5°	26	19	15	17	17	16	15	16	16	16	17
40°	38	44	38	31	28	24	23	21	20	19	22
37.5°	47	47	58	63	52	43	36	30	26	28	30
35°	76	73	77	83	85	76	60	46	39	40	41
32.5°	129	118	112	111	118	115	97	74	60	56	53
30°	171	165	150	159	170	162	140	126	102	75	68
27.5°	236	223	205	229	241	227	211	194	155	114	90
25°	355	323	327	335	330	322	299	272	229	173	145
22.5°	530	509	491	465	488	471	409	356	347	329	250
20°	862	775	698	758	775	674	548	557	620	559	392
17.5°	1769	1341	1174	1273	1192	990	988	968	948	848	560
15°	3390	2529	2093	1914	1805	1713	1668	1442	1328	1164	833
12.5°	7964	4269	3102	2738	2649	2490	2388	2062	1762	1571	1253
10°	13817	7441	4701	3761	3482	3277	3007	2610	2225	2007	1687
7.5°	22881	12187	6662	4710	4187	3840	3445	3057	2669	2432	2124
5°	29977	15746	7915	5464	4774	4386	3886	3444	3096	2844	2554
2.5°	33577	17551	8716	6177	5323	4895	4333	3788	3406	3107	2799
0°	36969	20391	9961	6731	5766	5316	4783	4113	3657	3330	3012
-2.5°	34361	18771	9086	6274	5527	5114	4763	4223	3747	3366	2979
-5°	29718	15646	8129	5816	5155	4828	4581	4178	3731	3353	2904
-7.5°	24038	12453	7025	5297	4752	4507	4300	3952	3523	3190	2719
-10°	17054	9127	5852	4742	4364	4190	4030	3692	3310	3018	2501
-12.5°	12261	6611	4714	4161	4001	3909	3782	3412	3099	2843	2253
-15°	7390	5113	4174	3812	3684	3636	3528	3180	2936	2669	1981
-17.5°	5342	4085	3696	3538	3456	3384	3256	3006	2758	2423	1683
-20°	4035	3676	3447	3302	3245	3183	3032	2815	2552	2064	1397



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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°	3619	3501	3343	3155	3032	2952	2816	2611	2322	1685	1117
-25°	3450	3428	3315	3131	2895	2737	2619	2404	1951	1340	882
-27.5°	3367	3364	3309	3090	2824	2589	2421	2165	1577	1082	849
-30°	3310	3272	3183	2970	2686	2464	2245	1759	1270	887	834
-32.5°	3221	3150	3008	2740	2513	2333	1886	1386	976	871	828
-35°	3148	2969	2729	2539	2392	1963	1491	1074	904	855	822
-37.5°	2926	2698	2528	2334	1943	1526	1121	947	886	848	791
-40°	2676	2486	2162	1820	1461	1093	988	935	888	823	747
-42.5°	2235	1941	1629	1311	1059	1021	983	937	871	781	695
-45°	1632	1360	1116	1078	1041	1009	982	907	818	727	639
-47.5°	1148	1111	1079	1054	1024	986	918	841	750	664	586
-50°	1093	1073	1052	1021	961	899	830	758	676	601	528
-52.5°	1060	1015	968	918	861	797	732	671	602	532	466
-55°	939	897	851	801	751	697	641	583	522	459	402
-57.5°	807	769	731	690	647	597	544	491	441	388	338
-60°	681	650	614	575	534	490	447	403	360	324	285
-62.5°	554	521	491	460	426	389	355	326	298	266	227
-65°	444	413	385	360	334	307	283	257	228	198	165
-67.5°	351	322	299	277	254	228	204	180	159	137	112
-70°	263	238	216	195	174	155	138	120	101	85	71
-72.5°	171	152	135	121	107	96	85	73	61	50	42
-75°	92	82	73	65	57	49	45	43	41	38	36
-77.5°	53	48	44	43	41	40	38	36	34	32	30
-80°	42	38	35	34	33	32	31	29	27	26	25
-82.5°	30	28	26	25	25	24	24	23	22	21	21
-85°	22	21	19	19	18	18	18	18	17	17	16
-87.5°	19	16	14	14	14	14	14	14	14	14	14
-90°	3	4	4	4	4	4	4	5	5	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°	14	13	13	12	12	12	12	12	12	11	11
87.5°	6	6	6	6	6	7	7	7	7	7	8
85°	6	6	6	6	7	7	7	8	8	8	8
82.5°	7	7	7	7	7	8	8	8	8	8	8
80°	7	7	8	8	8	8	8	8	8	8	8
77.5°	7	7	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°	12	9	8	8	8	8	8	8	8	8	8
67.5°	18	14	10	8	8	8	8	8	8	8	8
65°	30	20	14	11	9	8	8	8	9	8	8
62.5°	37	28	20	14	11	9	8	9	9	9	8
60°	40	31	25	19	14	10	9	9	9	9	9
57.5°	36	32	28	24	18	12	10	9	9	10	9
55°	30	28	30	27	21	16	11	10	9	10	10
52.5°	22	25	29	29	24	19	14	11	10	10	10
50°	17	22	27	29	27	21	16	13	11	10	10
47.5°	16	20	24	30	29	24	18	14	12	11	11
45°	17	20	23	28	31	26	20	15	13	11	11
42.5°	19	21	23	26	29	27	22	17	13	12	11
40°	24	24	25	27	28	27	23	18	14	13	12
37.5°	30	29	28	31	28	27	23	19	15	14	13
35°	39	36	35	36	33	28	23	20	17	15	13
32.5°	50	47	46	44	40	29	24	22	19	16	14
30°	66	68	60	52	48	35	27	24	22	17	15
27.5°	98	95	77	64	56	44	32	26	24	19	16
25°	140	128	104	79	64	70	39	29	26	21	17
22.5°	195	167	134	96	104	106	54	35	28	22	18
20°	258	209	180	159	151	141	80	41	30	24	19
17.5°	339	299	289	242	205	180	111	47	33	26	20
15°	558	441	406	334	262	221	146	54	35	27	21
12.5°	833	584	529	433	321	265	183	61	38	29	21
10°	1138	727	657	538	382	310	222	70	42	31	22
7.5°	1458	869	786	645	443	353	262	81	46	32	23
5°	1755	993	894	734	497	392	300	92	51	33	23
2.5°	1924	1086	984	817	549	430	335	102	56	35	24
0°	2061	1175	1069	893	598	466	366	112	60	36	24
-2.5°	2026	1161	1053	886	614	477	371	130	74	45	29
-5°	1955	1143	1032	872	625	485	371	147	88	54	33
-7.5°	1820	1103	1000	851	632	490	366	162	101	63	37
-10°	1647	1049	955	816	622	488	359	176	112	70	41
-12.5°	1446	994	911	779	608	481	350	188	122	77	44
-15°	1219	938	869	741	590	473	339	198	131	82	46
-17.5°	975	882	832	703	570	462	327	206	138	88	49
-20°	906	846	797	666	548	451	316	211	144	92	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°	872	826	757	636	528	438	305	214	148	94	52
-25°	841	807	720	609	510	419	301	214	151	95	52
-27.5°	818	783	682	579	491	404	300	216	151	94	51
-30°	801	741	646	549	470	382	296	216	150	93	48
-32.5°	787	700	609	524	445	360	283	213	147	90	46
-35°	749	661	571	496	418	339	266	208	141	85	44
-37.5°	709	620	538	466	391	316	251	194	134	78	42
-40°	662	579	505	435	364	292	233	177	124	69	38
-42.5°	613	539	469	404	334	269	212	158	108	62	33
-45°	565	495	430	367	303	245	190	138	91	55	29
-47.5°	514	449	387	327	274	218	165	117	73	47	28
-50°	459	399	341	289	240	189	139	96	62	37	27
-52.5°	404	347	298	252	205	157	114	74	50	32	25
-55°	346	299	256	212	167	126	87	60	38	30	23
-57.5°	296	254	212	170	132	95	67	45	33	27	23
-60°	246	204	165	130	97	70	50	34	30	25	22
-62.5°	189	153	122	92	69	51	35	31	27	23	21
-65°	136	108	80	64	48	36	32	28	25	22	20
-67.5°	87	71	55	41	35	32	29	26	23	21	19
-70°	57	44	37	34	31	28	26	24	21	20	18
-72.5°	39	35	32	30	28	26	24	22	20	19	17
-75°	33	31	29	27	26	24	22	21	19	18	16
-77.5°	28	27	26	25	23	22	21	20	18	17	15
-80°	24	23	23	22	21	20	19	19	17	15	14
-82.5°	20	20	19	19	18	18	18	17	16	14	13
-85°	16	16	16	17	16	16	16	15	14	13	12
-87.5°	14	14	14	14	14	14	14	14	13	12	11
-90°	6	6	6	6	6	6	6	6	7	7	8



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-2S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10	10	9	9	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	9	9	8	8	8	8
65°	8	9	9	8	8	8	8
62.5°	8	9	9	9	8	8	8
60°	8	9	9	9	8	8	8
57.5°	9	9	9	9	8	8	8
55°	9	9	9	9	8	8	8
52.5°	10	9	9	9	8	8	8
50°	10	9	9	10	9	8	8
47.5°	11	10	10	10	9	8	8
45°	11	10	10	10	9	8	8
42.5°	11	11	10	10	9	8	8
40°	12	11	10	10	9	8	8
37.5°	12	11	10	10	9	8	8
35°	12	12	10	10	9	8	8
32.5°	13	12	11	10	9	8	8
30°	13	12	11	10	9	8	8
27.5°	14	13	11	10	10	8	8
25°	14	13	11	11	10	8	8
22.5°	15	13	12	11	10	8	8
20°	15	13	12	11	10	8	8
17.5°	16	14	12	11	10	8	8
15°	16	14	12	11	10	8	8
12.5°	16	14	12	11	10	8	8
10°	17	14	12	11	10	8	8
7.5°	17	14	12	12	10	8	8
5°	17	14	12	12	10	8	8
2.5°	18	14	12	12	10	8	8
0°	18	14	12	12	10	8	8
-2.5°	20	14	12	12	10	8	8
-5°	21	15	13	12	10	8	8
-7.5°	22	15	13	12	10	8	8
-10°	24	16	13	12	10	8	8
-12.5°	25	16	14	13	10	8	8
-15°	25	16	14	13	10	8	8
-17.5°	26	17	14	13	10	8	8
-20°	26	17	14	13	10	8	8



REPORT NUMBER: P1306283 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-2S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27	17	15	13	10	8	8
-25°	27	17	15	13	10	8	8
-27.5°	27	18	15	13	10	8	8
-30°	26	18	15	13	10	8	8
-32.5°	24	18	15	13	10	8	8
-35°	23	18	15	13	10	8	8
-37.5°	23	18	15	13	10	8	8
-40°	23	18	15	13	10	8	8
-42.5°	23	18	15	12	10	8	8
-45°	22	18	15	12	10	9	8
-47.5°	21	18	15	12	10	8	8
-50°	21	17	15	12	10	8	8
-52.5°	20	17	14	12	10	8	8
-55°	20	17	14	12	10	8	8
-57.5°	19	16	14	12	10	8	8
-60°	19	16	13	11	10	8	8
-62.5°	18	15	13	11	10	8	8
-65°	17	15	13	11	10	8	8
-67.5°	17	14	12	11	9	8	8
-70°	16	14	12	10	9	8	8
-72.5°	15	13	11	10	9	8	8
-75°	14	12	11	10	9	8	8
-77.5°	13	12	11	10	9	8	8
-80°	12	11	10	10	9	8	8
-82.5°	12	11	10	9	9	8	8
-85°	11	10	10	9	8	8	8
-87.5°	11	10	9	9	8	8	8
-90°	8	8	8	8	8	8	8

(END OF REPORT)