

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: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-1S-CV5-A**

Issue Date: 2/3/2026

Test Information

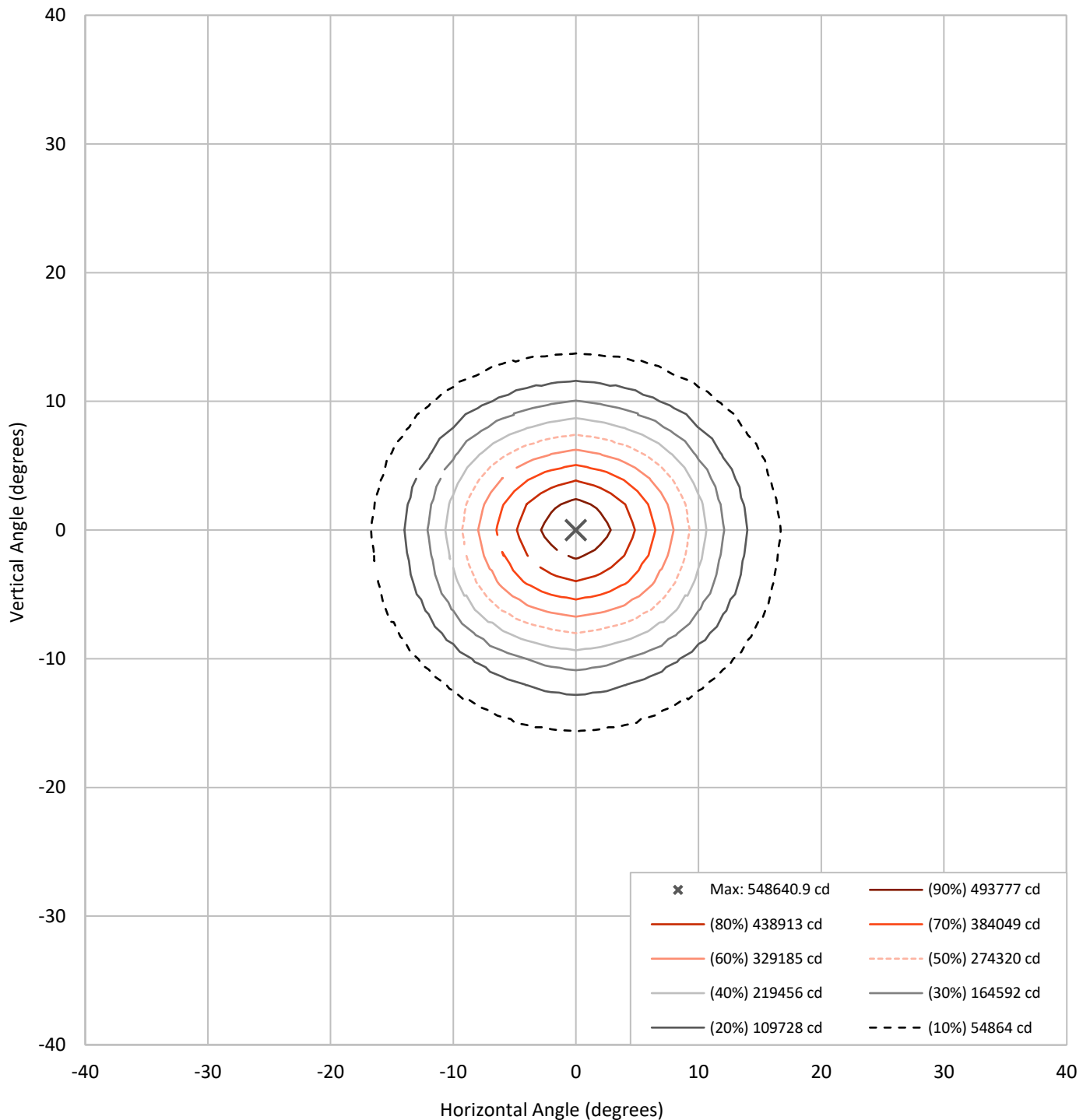
Test Method: LM-79-08
Report Number: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-1S-CV5-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S 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:	56405.5 lumens	Max Intensity:	548640.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	26013.5 lumens	Field Lumens:	47992.2 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%
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





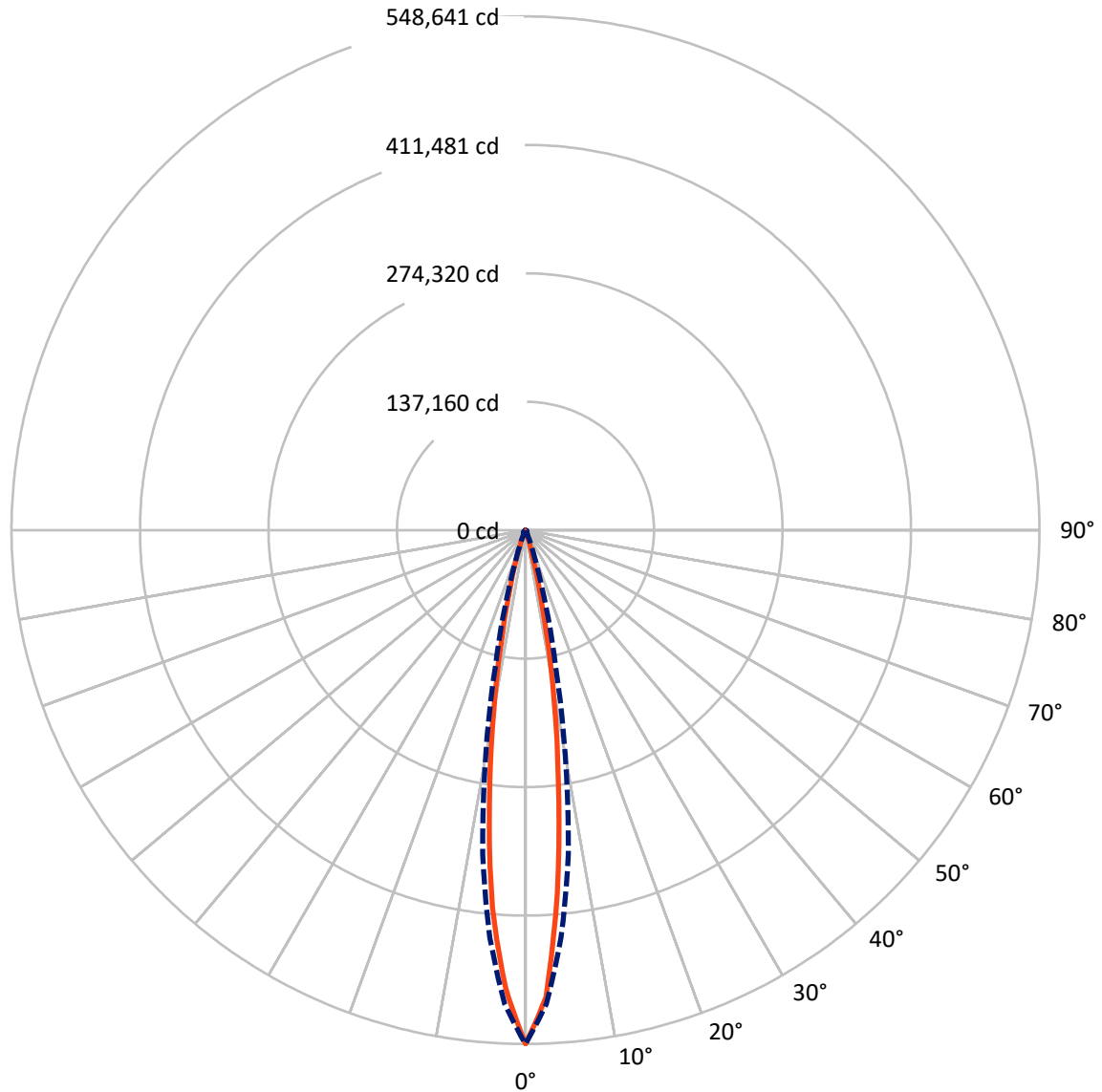
REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.1	0.4		0.6		0.7		0.9		0.7		0.6		0.4		0.1			
80	0.1	0.4		0.6		0.7		0.9		0.7		0.6		0.4		0.1			
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.1				
50	0.3	0.2	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.2	0.3			
40		0.3	0.6	0.8	1.5	2.1	2.2	2.5	2.5	2.2	2.1	1.5	0.8	0.6	0.3				
30	0.4	0.5	1.4	3.3	6.3	7.1	10.2	20.4	20.4	10.2	7.1	6.3	3.3	1.4	0.5	0.4			
20		1.1	4.5	15.4	28.7	38.1	282.8	1177.8	1177.8	282.8	38.1	28.7	15.4	4.5	1.1				
10	0.4	1.8	9.1	38.7	62.7	142.6	2074.8	8990.6	8990.6	2074.8	142.6	62.7	38.7	9.1	1.8	0.4			
0		2.3	10.6	44.6	73.5	146.1	2226.7	9397.2	9397.2	2226.7	146.1	73.5	44.6	10.6	2.3				
-10	0.5	2.4	9.3	33.7	60.7	66.8	474.9	1844.5	1844.5	474.9	66.8	60.7	33.7	9.3	2.4	0.5			
-20		2.4	8.0	18.9	48.9	56.5	62.4	121.4	121.4	62.4	56.5	48.9	18.9	8.0	2.4				
-30	0.4	2.1	6.8	12.0	29.9	56.5	66.0	66.7	66.7	66.0	56.5	29.9	12.0	6.8	2.1	0.4			
-40		1.4	5.0	10.3	16.2	28.5	48.1	63.2	63.2	48.1	28.5	16.2	10.3	5.0	1.4				
-50	0.3	0.7	2.8	6.8	12.1	16.7	19.8	22.0	22.0	19.8	16.7	12.1	6.8	2.8	0.7	0.3			
-60		0.3	1.0	2.7	5.3	8.4	11.0	13.1	13.1	11.0	8.4	5.3	2.7	1.0	0.3				
-70	0.2	0.9		2.5		5.9		9.9		5.9		2.5		0.9		0.2			
-80		0.9		2.5		5.9		9.9		5.9		2.5		0.9					
-90	0.2	0.9		2.5		5.9		9.9		5.9		2.5		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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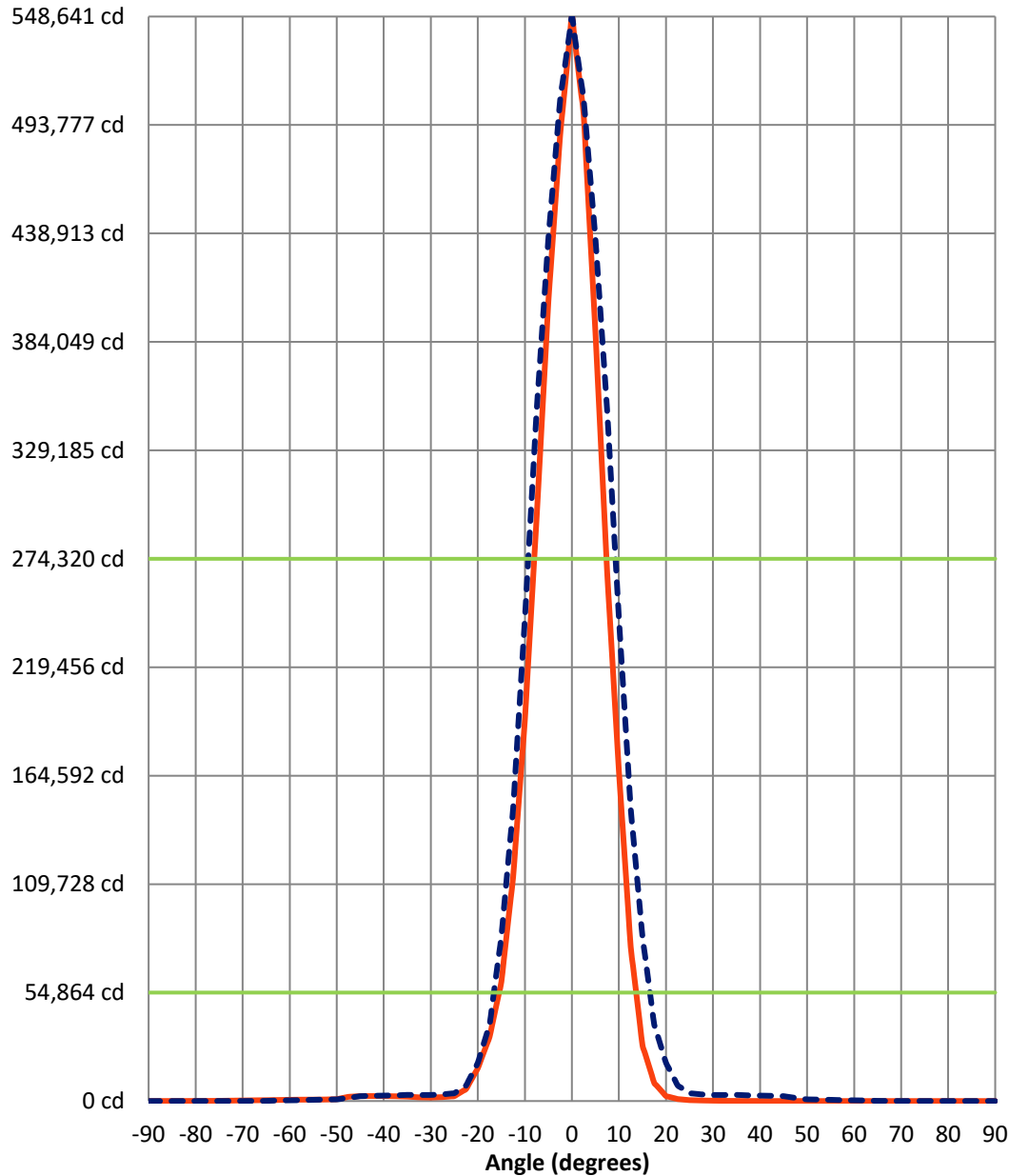
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 26013.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 47992.2
 Efficiency: 85.1%

Spill:
 Lumens: 8413.3
 Efficiency: 14.9%

— 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	8	8	8	8	8	8	8
87.5°	7	7	7	7	7	7	7	7	7	7	7
85°	7	7	7	7	7	7	7	7	7	7	7
82.5°	7	7	7	7	7	7	7	7	7	7	7
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	8	8	7	7	8	8	8
67.5°	7	7	7	7	8	8	8	8	8	8	8
65°	7	7	7	8	8	8	8	8	8	9	9
62.5°	7	7	7	8	8	8	9	9	9	9	9
60°	7	7	7	8	9	9	9	9	9	9	9
57.5°	7	7	7	8	9	9	9	9	10	10	10
55°	7	7	7	9	9	10	10	10	10	10	10
52.5°	7	7	8	9	10	10	10	11	11	11	11
50°	7	7	8	9	10	10	11	11	11	11	13
47.5°	7	7	8	10	10	11	11	12	12	12	14
45°	7	7	8	10	10	11	12	13	13	13	16
42.5°	7	7	8	10	11	12	13	14	13	15	18
40°	7	7	8	10	11	12	14	14	15	16	19
37.5°	7	7	8	10	11	13	14	15	16	18	20
35°	7	7	8	10	12	13	15	16	18	20	21
32.5°	7	7	8	10	12	14	16	17	19	22	24
30°	7	7	9	10	12	15	17	19	21	24	26
27.5°	7	7	9	10	13	15	18	20	23	27	29
25°	7	7	9	10	13	16	19	21	25	29	32
22.5°	7	7	9	10	13	16	20	22	27	32	37
20°	7	7	9	10	13	16	21	24	29	35	43
17.5°	7	7	9	10	12	16	21	25	31	38	48
15°	7	7	9	10	12	16	20	25	33	41	54
12.5°	7	7	9	10	12	16	20	25	34	44	60
10°	7	7	9	10	12	16	19	24	34	45	66
7.5°	7	7	9	10	12	15	19	24	34	46	71
5°	7	7	9	10	12	15	18	23	33	47	76
2.5°	7	7	8	10	11	14	17	23	33	48	81
0°	7	7	8	10	11	14	17	22	32	49	85
-2.5°	7	7	8	10	11	14	17	25	38	58	98
-5°	7	7	8	10	11	14	18	27	43	68	111
-7.5°	7	7	8	10	12	14	19	29	48	76	122
-10°	7	7	8	10	12	14	19	31	53	84	132
-12.5°	7	7	8	10	12	14	20	32	56	90	141
-15°	7	7	8	10	12	14	20	33	60	97	149
-17.5°	7	7	8	10	12	14	20	35	64	103	156
-20°	7	7	8	10	12	14	20	36	66	108	160



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7	7	8	9	12	14	21	37	68	111	163
-25°	7	7	8	9	11	14	21	38	68	112	163
-27.5°	7	7	8	9	11	15	21	37	67	113	164
-30°	7	7	8	9	11	15	20	35	66	111	164
-32.5°	7	7	8	9	11	15	19	34	64	108	161
-35°	7	7	8	9	11	14	19	33	61	103	157
-37.5°	7	7	8	9	11	14	19	31	56	96	145
-40°	7	7	8	9	11	14	19	29	49	89	132
-42.5°	7	7	8	9	11	14	18	26	45	78	116
-45°	7	7	8	9	11	14	18	23	40	66	100
-47.5°	7	7	8	9	11	13	17	22	35	53	86
-50°	7	7	8	9	11	13	17	21	29	45	70
-52.5°	7	7	8	9	10	13	16	20	25	38	54
-55°	7	7	8	9	10	12	15	19	24	29	45
-57.5°	7	7	8	9	10	12	15	18	22	26	35
-60°	7	7	8	9	10	12	14	17	20	24	28
-62.5°	7	7	8	9	10	12	14	16	19	21	25
-65°	7	7	8	9	10	11	13	15	18	20	23
-67.5°	7	7	8	9	10	11	13	15	16	19	21
-70°	7	7	8	9	9	11	12	14	16	17	19
-72.5°	7	7	8	9	9	10	12	13	15	16	18
-75°	7	7	8	8	9	10	11	12	14	15	17
-77.5°	7	7	8	8	9	10	11	12	13	14	16
-80°	7	7	7	8	9	9	10	11	12	13	14
-82.5°	7	7	7	8	8	9	9	10	11	11	12
-85°	7	7	7	8	8	9	9	9	10	10	11
-87.5°	7	7	7	8	8	8	9	9	9	9	10
-90°	7	7	7	7	7	7	7	7	7	7	7



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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	9	9	9	10	10	10	10
87.5°	7	6	6	6	5	5	5	4	4	4	4
85°	7	6	6	6	5	5	5	5	5	5	4
82.5°	7	6	6	6	6	6	6	6	5	5	5
80°	7	6	6	6	6	6	6	6	5	5	5
77.5°	7	7	7	7	7	7	6	6	6	6	6
75°	7	7	7	7	7	7	7	7	7	7	7
72.5°	7	7	7	7	7	7	7	7	8	9	10
70°	8	8	8	7	7	7	9	11	13	15	17
67.5°	8	8	8	8	9	10	13	18	24	27	28
65°	8	8	8	9	11	15	20	27	35	37	36
62.5°	8	9	10	12	15	20	27	35	44	44	38
60°	9	10	12	15	18	24	32	38	45	47	36
57.5°	10	11	15	18	23	27	31	37	40	40	29
55°	11	14	18	22	26	25	28	30	30	28	20
52.5°	13	16	21	25	26	23	22	23	21	18	16
50°	15	19	24	27	26	21	17	18	17	15	14
47.5°	18	22	27	28	24	20	17	16	15	14	13
45°	20	25	30	27	23	21	18	15	15	15	15
42.5°	22	26	28	25	24	23	21	18	17	17	18
40°	23	27	27	27	27	26	24	22	20	21	22
37.5°	24	27	28	31	30	30	29	29	27	27	30
35°	24	28	33	36	36	35	36	38	37	36	41
32.5°	25	29	39	43	44	43	45	48	50	53	61
30°	28	35	45	50	54	59	58	59	66	85	104
27.5°	33	42	52	59	67	78	81	78	97	128	161
25°	39	63	59	70	85	102	110	117	143	189	224
22.5°	51	91	90	82	107	128	149	196	261	282	289
20°	72	119	127	130	139	159	194	303	434	484	431
17.5°	96	149	169	190	216	221	252	432	649	724	724
15°	123	182	212	255	298	325	425	643	882	1000	1067
12.5°	152	216	258	325	384	431	650	997	1220	1323	1519
10°	182	251	304	398	473	539	903	1375	1592	1693	1917
7.5°	211	284	350	472	563	649	1173	1766	1952	2042	2224
5°	240	313	386	528	634	738	1417	2155	2300	2373	2476
2.5°	266	341	421	579	691	795	1523	2326	2485	2594	2682
0°	289	367	454	625	745	847	1601	2467	2635	2765	2871
-2.5°	290	372	464	623	733	839	1527	2436	2686	2881	3040
-5°	287	376	472	617	718	826	1429	2359	2697	2904	3067
-7.5°	282	377	477	606	696	794	1344	2203	2575	2752	2925
-10°	274	374	470	581	665	751	1236	2021	2450	2602	2763
-12.5°	268	370	460	556	632	706	1094	1821	2326	2459	2587
-15°	260	364	448	533	601	660	917	1610	2205	2354	2453
-17.5°	252	357	436	513	570	615	708	1356	2003	2231	2347
-20°	244	349	423	496	541	584	645	1097	1689	2082	2230



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 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	236	340	411	480	525	563	613	845	1357	1914	2092
-25°	233	327	398	463	514	544	579	634	1051	1580	1937
-27.5°	232	315	384	446	504	527	554	596	810	1237	1746
-30°	229	299	368	428	487	518	535	568	625	954	1371
-32.5°	218	281	348	409	466	513	526	553	596	690	1029
-35°	205	265	328	388	445	497	526	542	570	615	767
-37.5°	193	247	306	366	421	473	524	538	557	589	647
-40°	178	228	285	342	395	447	497	539	550	583	623
-42.5°	161	210	263	316	366	417	467	514	559	581	612
-45°	143	189	240	288	334	384	433	482	539	591	612
-47.5°	123	167	214	257	300	347	396	447	505	562	621
-50°	103	143	185	225	265	307	352	407	462	519	576
-52.5°	85	118	155	192	229	266	309	359	412	466	517
-55°	65	95	125	159	193	226	265	309	355	405	451
-57.5°	50	71	97	125	157	189	224	259	300	342	380
-60°	39	53	71	95	119	149	182	215	248	279	311
-62.5°	29	39	51	66	87	110	138	168	198	224	248
-65°	26	29	37	48	58	77	98	119	145	168	190
-67.5°	23	26	28	32	42	52	63	81	100	116	132
-70°	21	23	25	27	30	34	44	53	62	74	88
-72.5°	19	21	22	23	26	28	31	34	39	47	54
-75°	18	19	20	21	22	24	26	28	30	32	34
-77.5°	16	17	18	19	20	21	22	24	25	26	28
-80°	15	15	16	17	17	18	19	20	21	21	22
-82.5°	13	13	14	14	15	15	16	16	16	17	17
-85°	11	11	12	12	12	12	13	13	13	13	13
-87.5°	10	10	10	10	10	10	11	11	11	10	10
-90°	7	6	6	6	5	5	5	4	4	4	4



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10	10	10	10	10	14	17	21	25	35	44
87.5°	4	4	4	3	3	2	2	2	1	1	1
85°	4	4	4	3	3	3	3	3	3	2	2
82.5°	4	4	4	4	4	4	3	3	3	2	2
80°	5	5	5	4	4	4	4	3	3	3	3
77.5°	6	6	5	5	4	4	4	4	4	4	3
75°	7	7	7	6	6	6	6	6	5	5	5
72.5°	11	11	11	10	10	9	9	9	9	9	9
70°	18	19	18	17	15	13	13	12	11	11	12
67.5°	27	25	23	21	18	15	14	13	12	11	11
65°	32	26	22	19	18	16	14	13	11	10	9
62.5°	31	22	18	16	15	14	12	10	9	8	8
60°	27	18	14	13	11	10	9	8	7	7	7
57.5°	21	14	11	11	10	9	8	8	8	7	7
55°	15	13	11	11	10	10	10	9	8	8	8
52.5°	13	12	12	12	11	11	10	10	9	9	9
50°	13	13	13	12	12	11	11	11	11	11	11
47.5°	13	13	13	13	12	13	13	12	13	13	13
45°	14	15	15	15	15	15	15	15	17	18	17
42.5°	17	19	21	20	18	22	28	30	28	24	22
40°	25	27	28	30	37	43	38	33	30	32	34
37.5°	35	38	47	58	54	44	45	45	44	47	48
35°	51	65	76	72	67	66	69	70	63	66	67
32.5°	81	99	100	95	98	98	105	100	95	98	105
30°	117	135	141	133	118	127	134	131	136	147	160
27.5°	174	185	196	179	150	163	168	163	191	206	235
25°	241	254	262	249	228	218	234	246	280	313	359
22.5°	315	349	359	323	323	323	329	370	415	488	611
20°	400	468	522	486	440	471	510	559	690	1021	1398
17.5°	703	656	756	759	693	765	903	1081	1631	3321	4429
15°	1197	1147	1085	1088	1153	1295	1578	2562	4990	8598	12326
12.5°	1700	1625	1534	1510	1652	1939	3272	7322	13040	19265	35236
10°	2098	2058	1974	2037	2275	3116	5843	12868	24665	45292	70742
7.5°	2331	2316	2339	2524	2912	5127	11122	21564	41005	72262	118114
5°	2565	2578	2647	2901	3399	6521	15698	29966	59372	105318	176323
2.5°	2825	2836	2929	3249	3818	6739	16787	35317	75279	135488	229610
0°	3123	3056	3084	3376	3964	7860	19373	38729	83315	148020	244019
-2.5°	3229	3086	3060	3306	3821	6966	17305	36014	76523	135605	227540
-5°	3158	2962	2883	3085	3574	6108	14551	32770	67940	116003	192809
-7.5°	2979	2791	2675	2827	3254	5033	11146	24816	49453	85830	136967
-10°	2825	2645	2469	2518	2813	3746	6939	16255	32673	57938	87080
-12.5°	2692	2541	2278	2198	2363	2801	4843	11079	20899	32866	53294
-15°	2555	2431	2168	2041	2100	2314	2867	5321	11443	19479	28279
-17.5°	2402	2317	2159	1972	1892	1978	2242	3000	5085	10093	15580
-20°	2299	2252	2136	1971	1868	1829	1920	2153	2665	4584	6948



REPORT NUMBER: P1306303 (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°	2170	2150	2072	2025	1949	1864	1784	1856	2026	2287	3104
-25°	2047	2052	2057	2119	2107	1988	1836	1726	1784	1866	2031
-27.5°	1912	1979	2083	2200	2254	2153	1974	1810	1761	1713	1783
-30°	1793	1930	2041	2184	2277	2247	2154	2044	1925	1842	1814
-32.5°	1486	1865	1969	2083	2222	2267	2256	2214	2163	2104	2044
-35°	1155	1576	1923	1989	2080	2211	2315	2322	2315	2294	2277
-37.5°	815	1217	1582	1875	1984	2072	2230	2351	2420	2415	2416
-40°	677	788	1155	1494	1745	1980	2106	2264	2390	2442	2481
-42.5°	653	696	740	994	1318	1601	1819	2020	2198	2325	2426
-45°	636	665	699	741	786	1040	1321	1583	1754	1925	2104
-47.5°	636	643	666	696	725	766	813	877	1066	1238	1420
-50°	617	645	653	662	681	704	726	749	770	784	802
-52.5°	561	598	633	660	667	674	680	695	709	721	735
-55°	493	532	571	602	630	656	676	679	684	689	697
-57.5°	420	458	494	527	558	586	607	622	636	650	668
-60°	344	378	411	443	473	502	521	536	550	563	581
-62.5°	270	296	326	355	381	406	425	442	456	470	487
-65°	210	229	252	272	292	315	336	354	367	381	396
-67.5°	150	168	189	208	226	244	261	278	294	309	325
-70°	100	113	128	144	161	177	192	207	221	235	248
-72.5°	62	70	78	89	101	112	123	134	144	157	169
-75°	35	39	45	51	57	62	67	71	74	81	90
-77.5°	30	31	33	35	36	39	41	44	46	52	59
-80°	23	24	25	27	28	30	31	33	35	39	44
-82.5°	17	18	18	19	19	20	22	23	24	28	32
-85°	12	13	13	13	13	14	16	17	18	21	25
-87.5°	10	10	10	10	10	11	12	13	14	18	22
-90°	4	4	4	3	3	2	2	2	1	1	1



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	53	63	53	43	53	63	53	44	35	25	21
87.5°	1	1	1	1	1	1	1	1	1	1	2
85°	2	1	1	1	1	1	2	2	2	3	3
82.5°	2	1	2	3	2	1	2	2	2	3	3
80°	3	3	3	3	3	3	3	3	3	3	3
77.5°	3	3	3	3	3	3	3	3	4	4	4
75°	5	4	4	4	4	4	5	5	5	5	6
72.5°	9	8	8	8	8	8	9	9	9	9	9
70°	13	14	14	14	14	14	13	12	11	11	12
67.5°	10	10	10	10	10	10	10	11	11	12	13
65°	9	9	8	8	8	9	9	9	10	11	13
62.5°	8	8	8	8	8	8	8	8	8	9	10
60°	8	8	8	8	8	8	8	7	7	7	8
57.5°	8	8	8	8	8	8	8	7	7	8	8
55°	8	8	9	10	9	8	8	8	8	8	9
52.5°	10	10	10	10	10	10	10	9	9	9	10
50°	11	11	11	11	11	11	11	11	11	11	11
47.5°	13	14	14	14	14	14	13	13	13	13	12
45°	17	17	17	17	17	17	17	17	18	17	15
42.5°	22	23	24	24	24	23	22	22	24	28	30
40°	35	36	36	35	36	36	35	34	32	30	33
37.5°	48	49	50	50	50	49	48	48	47	44	45
35°	68	68	68	70	68	68	68	67	66	63	70
32.5°	110	111	108	109	108	111	110	105	98	95	100
30°	169	177	181	187	181	177	169	160	147	136	131
27.5°	257	276	289	296	289	276	257	235	206	191	163
25°	402	430	446	458	446	430	402	359	313	280	246
22.5°	780	890	952	1010	952	890	780	611	488	415	370
20°	2000	2129	2372	2522	2372	2129	2000	1398	1021	690	559
17.5°	6738	8590	8936	9197	8936	8590	6738	4429	3321	1631	1081
15°	20065	25563	27042	28302	27042	25563	20065	12326	8598	4990	2562
12.5°	48447	63577	71807	78059	71807	63577	48447	35236	19265	13040	7322
10°	101503	131125	153608	166629	153608	131125	101503	70742	45292	24665	12868
7.5°	172855	223062	252412	267351	252412	223062	172855	118114	72262	41005	21564
5°	260713	325526	366487	389009	366487	325526	260713	176323	105318	59372	29966
2.5°	325656	408805	470203	499083	470203	408805	325656	229610	135488	75279	35317
0°	349171	436406	506594	548641	506594	436406	349171	244019	148020	83315	38729
-2.5°	326723	408618	463285	488723	463285	408618	326723	227540	135605	76523	36014
-5°	277831	348636	387920	404550	387920	348636	277831	192809	116003	67940	32770
-7.5°	197116	251127	278737	295117	278737	251127	197116	136967	85830	49453	24816
-10°	124104	154466	180878	192825	180878	154466	124104	87080	57938	32673	16255
-12.5°	72073	91296	106750	113314	106750	91296	72073	53294	32866	20899	11079
-15°	39830	50334	57449	60232	57449	50334	39830	28279	19479	11443	5321
-17.5°	22148	27246	29268	32511	29268	27246	22148	15580	10093	5085	3000
-20°	10851	13494	14341	16629	14341	13494	10851	6948	4584	2665	2153



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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°	4215	4839	4978	6063	4978	4839	4215	3104	2287	2026	1856
-25°	2189	2294	2343	2470	2343	2294	2189	2031	1866	1784	1726
-27.5°	1840	1891	1932	1993	1932	1891	1840	1783	1713	1761	1810
-30°	1793	1784	1786	1792	1786	1784	1793	1814	1842	1925	2044
-32.5°	1995	1964	1949	1891	1949	1964	1995	2044	2104	2163	2214
-35°	2268	2265	2267	2240	2267	2265	2268	2277	2294	2315	2322
-37.5°	2417	2422	2427	2419	2427	2422	2417	2416	2415	2420	2351
-40°	2494	2507	2516	2514	2516	2507	2494	2481	2442	2390	2264
-42.5°	2476	2507	2522	2527	2522	2507	2476	2426	2325	2198	2020
-45°	2268	2395	2471	2493	2471	2395	2268	2104	1925	1754	1583
-47.5°	1624	1812	1989	2144	1989	1812	1624	1420	1238	1066	877
-50°	825	847	890	953	890	847	825	802	784	770	749
-52.5°	749	761	773	784	773	761	749	735	721	709	695
-55°	705	713	719	723	719	713	705	697	689	684	679
-57.5°	683	695	706	715	706	695	683	668	650	636	622
-60°	598	611	624	635	624	611	598	581	563	550	536
-62.5°	501	513	526	537	526	513	501	487	470	456	442
-65°	410	421	432	441	432	421	410	396	381	367	354
-67.5°	340	353	366	378	366	353	340	325	309	294	278
-70°	260	271	281	289	281	271	260	248	235	221	207
-72.5°	181	191	203	213	203	191	181	169	157	144	134
-75°	97	105	112	119	112	105	97	90	81	74	71
-77.5°	65	72	77	81	77	72	65	59	52	46	44
-80°	48	53	56	60	56	53	48	44	39	35	33
-82.5°	35	39	42	45	42	39	35	32	28	24	23
-85°	29	32	35	38	35	32	29	25	21	18	17
-87.5°	26	29	31	33	31	29	26	22	18	14	13
-90°	1	1	1	1	1	1	1	1	1	1	2



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17	14	10	10	10	10	10	10	10	10	10
87.5°	2	2	3	3	4	4	4	4	4	4	4
85°	3	3	3	3	4	4	4	4	5	5	5
82.5°	3	4	4	4	4	4	4	5	5	5	6
80°	4	4	4	4	5	5	5	5	5	5	6
77.5°	4	4	4	5	5	6	6	6	6	6	6
75°	6	6	6	6	7	7	7	7	7	7	7
72.5°	9	9	10	10	11	11	11	10	9	8	7
70°	13	13	15	17	18	19	18	17	15	13	11
67.5°	14	15	18	21	23	25	27	28	27	24	18
65°	14	16	18	19	22	26	32	36	37	35	27
62.5°	12	14	15	16	18	22	31	38	44	44	35
60°	9	10	11	13	14	18	27	36	47	45	38
57.5°	8	9	10	11	11	14	21	29	40	40	37
55°	10	10	10	11	11	13	15	20	28	30	30
52.5°	10	11	11	12	12	12	13	16	18	21	23
50°	11	11	12	12	13	13	13	14	15	17	18
47.5°	13	13	12	13	13	13	13	13	14	15	16
45°	15	15	15	15	15	15	14	15	15	15	15
42.5°	28	22	18	20	21	19	17	18	17	17	18
40°	38	43	37	30	28	27	25	22	21	20	22
37.5°	45	44	54	58	47	38	35	30	27	27	29
35°	69	66	67	72	76	65	51	41	36	37	38
32.5°	105	98	98	95	100	99	81	61	53	50	48
30°	134	127	118	133	141	135	117	104	85	66	59
27.5°	168	163	150	179	196	185	174	161	128	97	78
25°	234	218	228	249	262	254	241	224	189	143	117
22.5°	329	323	323	323	359	349	315	289	282	261	196
20°	510	471	440	486	522	468	400	431	484	434	303
17.5°	903	765	693	759	756	656	703	724	724	649	432
15°	1578	1295	1153	1088	1085	1147	1197	1067	1000	882	643
12.5°	3272	1939	1652	1510	1534	1625	1700	1519	1323	1220	997
10°	5843	3116	2275	2037	1974	2058	2098	1917	1693	1592	1375
7.5°	11122	5127	2912	2524	2339	2316	2331	2224	2042	1952	1766
5°	15698	6521	3399	2901	2647	2578	2565	2476	2373	2300	2155
2.5°	16787	6739	3818	3249	2929	2836	2825	2682	2594	2485	2326
0°	19373	7860	3964	3376	3084	3056	3123	2871	2765	2635	2467
-2.5°	17305	6966	3821	3306	3060	3086	3229	3040	2881	2686	2436
-5°	14551	6108	3574	3085	2883	2962	3158	3067	2904	2697	2359
-7.5°	11146	5033	3254	2827	2675	2791	2979	2925	2752	2575	2203
-10°	6939	3746	2813	2518	2469	2645	2825	2763	2602	2450	2021
-12.5°	4843	2801	2363	2198	2278	2541	2692	2587	2459	2326	1821
-15°	2867	2314	2100	2041	2168	2431	2555	2453	2354	2205	1610
-17.5°	2242	1978	1892	1972	2159	2317	2402	2347	2231	2003	1356
-20°	1920	1829	1868	1971	2136	2252	2299	2230	2082	1689	1097



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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°	1784	1864	1949	2025	2072	2150	2170	2092	1914	1357	845
-25°	1836	1988	2107	2119	2057	2052	2047	1937	1580	1051	634
-27.5°	1974	2153	2254	2200	2083	1979	1912	1746	1237	810	596
-30°	2154	2247	2277	2184	2041	1930	1793	1371	954	625	568
-32.5°	2256	2267	2222	2083	1969	1865	1486	1029	690	596	553
-35°	2315	2211	2080	1989	1923	1576	1155	767	615	570	542
-37.5°	2230	2072	1984	1875	1582	1217	815	647	589	557	538
-40°	2106	1980	1745	1494	1155	788	677	623	583	550	539
-42.5°	1819	1601	1318	994	740	696	653	612	581	559	514
-45°	1321	1040	786	741	699	665	636	612	591	539	482
-47.5°	813	766	725	696	666	643	636	621	562	505	447
-50°	726	704	681	662	653	645	617	576	519	462	407
-52.5°	680	674	667	660	633	598	561	517	466	412	359
-55°	676	656	630	602	571	532	493	451	405	355	309
-57.5°	607	586	558	527	494	458	420	380	342	300	259
-60°	521	502	473	443	411	378	344	311	279	248	215
-62.5°	425	406	381	355	326	296	270	248	224	198	168
-65°	336	315	292	272	252	229	210	190	168	145	119
-67.5°	261	244	226	208	189	168	150	132	116	100	81
-70°	192	177	161	144	128	113	100	88	74	62	53
-72.5°	123	112	101	89	78	70	62	54	47	39	34
-75°	67	62	57	51	45	39	35	34	32	30	28
-77.5°	41	39	36	35	33	31	30	28	26	25	24
-80°	31	30	28	27	25	24	23	22	21	21	20
-82.5°	22	20	19	19	18	18	17	17	17	16	16
-85°	16	14	13	13	13	13	12	13	13	13	13
-87.5°	12	11	10	10	10	10	10	10	10	11	11
-90°	2	2	3	3	4	4	4	4	4	4	4



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9	9	9	8	8	8	8	8	8	8	8
87.5°	5	5	5	6	6	6	7	7	7	7	7
85°	5	5	5	6	6	6	7	7	7	7	7
82.5°	6	6	6	6	6	6	7	7	7	7	7
80°	6	6	6	6	6	6	7	7	7	7	7
77.5°	6	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°	9	7	7	7	8	8	8	8	8	8	7
67.5°	13	10	9	8	8	8	8	8	8	8	8
65°	20	15	11	9	8	8	8	9	9	8	8
62.5°	27	20	15	12	10	9	8	9	9	9	9
60°	32	24	18	15	12	10	9	9	9	9	9
57.5°	31	27	23	18	15	11	10	10	10	10	9
55°	28	25	26	22	18	14	11	10	10	10	10
52.5°	22	23	26	25	21	16	13	11	11	11	11
50°	17	21	26	27	24	19	15	13	11	11	11
47.5°	17	20	24	28	27	22	18	14	12	12	12
45°	18	21	23	27	30	25	20	16	13	13	13
42.5°	21	23	24	25	28	26	22	18	15	13	14
40°	24	26	27	27	27	27	23	19	16	15	14
37.5°	29	30	30	31	28	27	24	20	18	16	15
35°	36	35	36	36	33	28	24	21	20	18	16
32.5°	45	43	44	43	39	29	25	24	22	19	17
30°	58	59	54	50	45	35	28	26	24	21	19
27.5°	81	78	67	59	52	42	33	29	27	23	20
25°	110	102	85	70	59	63	39	32	29	25	21
22.5°	149	128	107	82	90	91	51	37	32	27	22
20°	194	159	139	130	127	119	72	43	35	29	24
17.5°	252	221	216	190	169	149	96	48	38	31	25
15°	425	325	298	255	212	182	123	54	41	33	25
12.5°	650	431	384	325	258	216	152	60	44	34	25
10°	903	539	473	398	304	251	182	66	45	34	24
7.5°	1173	649	563	472	350	284	211	71	46	34	24
5°	1417	738	634	528	386	313	240	76	47	33	23
2.5°	1523	795	691	579	421	341	266	81	48	33	23
0°	1601	847	745	625	454	367	289	85	49	32	22
-2.5°	1527	839	733	623	464	372	290	98	58	38	25
-5°	1429	826	718	617	472	376	287	111	68	43	27
-7.5°	1344	794	696	606	477	377	282	122	76	48	29
-10°	1236	751	665	581	470	374	274	132	84	53	31
-12.5°	1094	706	632	556	460	370	268	141	90	56	32
-15°	917	660	601	533	448	364	260	149	97	60	33
-17.5°	708	615	570	513	436	357	252	156	103	64	35
-20°	645	584	541	496	423	349	244	160	108	66	36



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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°	613	563	525	480	411	340	236	163	111	68	37
-25°	579	544	514	463	398	327	233	163	112	68	38
-27.5°	554	527	504	446	384	315	232	164	113	67	37
-30°	535	518	487	428	368	299	229	164	111	66	35
-32.5°	526	513	466	409	348	281	218	161	108	64	34
-35°	526	497	445	388	328	265	205	157	103	61	33
-37.5°	524	473	421	366	306	247	193	145	96	56	31
-40°	497	447	395	342	285	228	178	132	89	49	29
-42.5°	467	417	366	316	263	210	161	116	78	45	26
-45°	433	384	334	288	240	189	143	100	66	40	23
-47.5°	396	347	300	257	214	167	123	86	53	35	22
-50°	352	307	265	225	185	143	103	70	45	29	21
-52.5°	309	266	229	192	155	118	85	54	38	25	20
-55°	265	226	193	159	125	95	65	45	29	24	19
-57.5°	224	189	157	125	97	71	50	35	26	22	18
-60°	182	149	119	95	71	53	39	28	24	20	17
-62.5°	138	110	87	66	51	39	29	25	21	19	16
-65°	98	77	58	48	37	29	26	23	20	18	15
-67.5°	63	52	42	32	28	26	23	21	19	16	15
-70°	44	34	30	27	25	23	21	19	17	16	14
-72.5°	31	28	26	23	22	21	19	18	16	15	13
-75°	26	24	22	21	20	19	18	17	15	14	12
-77.5°	22	21	20	19	18	17	16	16	14	13	12
-80°	19	18	17	17	16	15	15	14	13	12	11
-82.5°	16	15	15	14	14	13	13	12	11	11	10
-85°	13	12	12	12	12	11	11	11	10	10	9
-87.5°	11	10	10	10	10	10	10	10	9	9	9
-90°	5	5	5	6	6	6	7	7	7	7	7



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	8	8	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	8	8	7	7	7	7
67.5°	8	8	8	7	7	7	7
65°	8	8	8	8	7	7	7
62.5°	9	8	8	8	7	7	7
60°	9	9	9	8	7	7	7
57.5°	9	9	9	8	7	7	7
55°	10	10	9	9	7	7	7
52.5°	10	10	10	9	8	7	7
50°	11	10	10	9	8	7	7
47.5°	11	11	10	10	8	7	7
45°	12	11	10	10	8	7	7
42.5°	13	12	11	10	8	7	7
40°	14	12	11	10	8	7	7
37.5°	14	13	11	10	8	7	7
35°	15	13	12	10	8	7	7
32.5°	16	14	12	10	8	7	7
30°	17	15	12	10	9	7	7
27.5°	18	15	13	10	9	7	7
25°	19	16	13	10	9	7	7
22.5°	20	16	13	10	9	7	7
20°	21	16	13	10	9	7	7
17.5°	21	16	12	10	9	7	7
15°	20	16	12	10	9	7	7
12.5°	20	16	12	10	9	7	7
10°	19	16	12	10	9	7	7
7.5°	19	15	12	10	9	7	7
5°	18	15	12	10	9	7	7
2.5°	17	14	11	10	8	7	7
0°	17	14	11	10	8	7	7
-2.5°	17	14	11	10	8	7	7
-5°	18	14	11	10	8	7	7
-7.5°	19	14	12	10	8	7	7
-10°	19	14	12	10	8	7	7
-12.5°	20	14	12	10	8	7	7
-15°	20	14	12	10	8	7	7
-17.5°	20	14	12	10	8	7	7
-20°	20	14	12	10	8	7	7



REPORT NUMBER: P1306303 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21	14	12	9	8	7	7
-25°	21	14	11	9	8	7	7
-27.5°	21	15	11	9	8	7	7
-30°	20	15	11	9	8	7	7
-32.5°	19	15	11	9	8	7	7
-35°	19	14	11	9	8	7	7
-37.5°	19	14	11	9	8	7	7
-40°	19	14	11	9	8	7	7
-42.5°	18	14	11	9	8	7	7
-45°	18	14	11	9	8	7	7
-47.5°	17	13	11	9	8	7	7
-50°	17	13	11	9	8	7	7
-52.5°	16	13	10	9	8	7	7
-55°	15	12	10	9	8	7	7
-57.5°	15	12	10	9	8	7	7
-60°	14	12	10	9	8	7	7
-62.5°	14	12	10	9	8	7	7
-65°	13	11	10	9	8	7	7
-67.5°	13	11	10	9	8	7	7
-70°	12	11	9	9	8	7	7
-72.5°	12	10	9	9	8	7	7
-75°	11	10	9	8	8	7	7
-77.5°	11	10	9	8	8	7	7
-80°	10	9	9	8	7	7	7
-82.5°	9	9	8	8	7	7	7
-85°	9	9	8	8	7	7	7
-87.5°	9	8	8	8	7	7	7
-90°	7	7	7	7	7	7	7

(END OF REPORT)