

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: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-5S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-40-80-5S-CV5-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

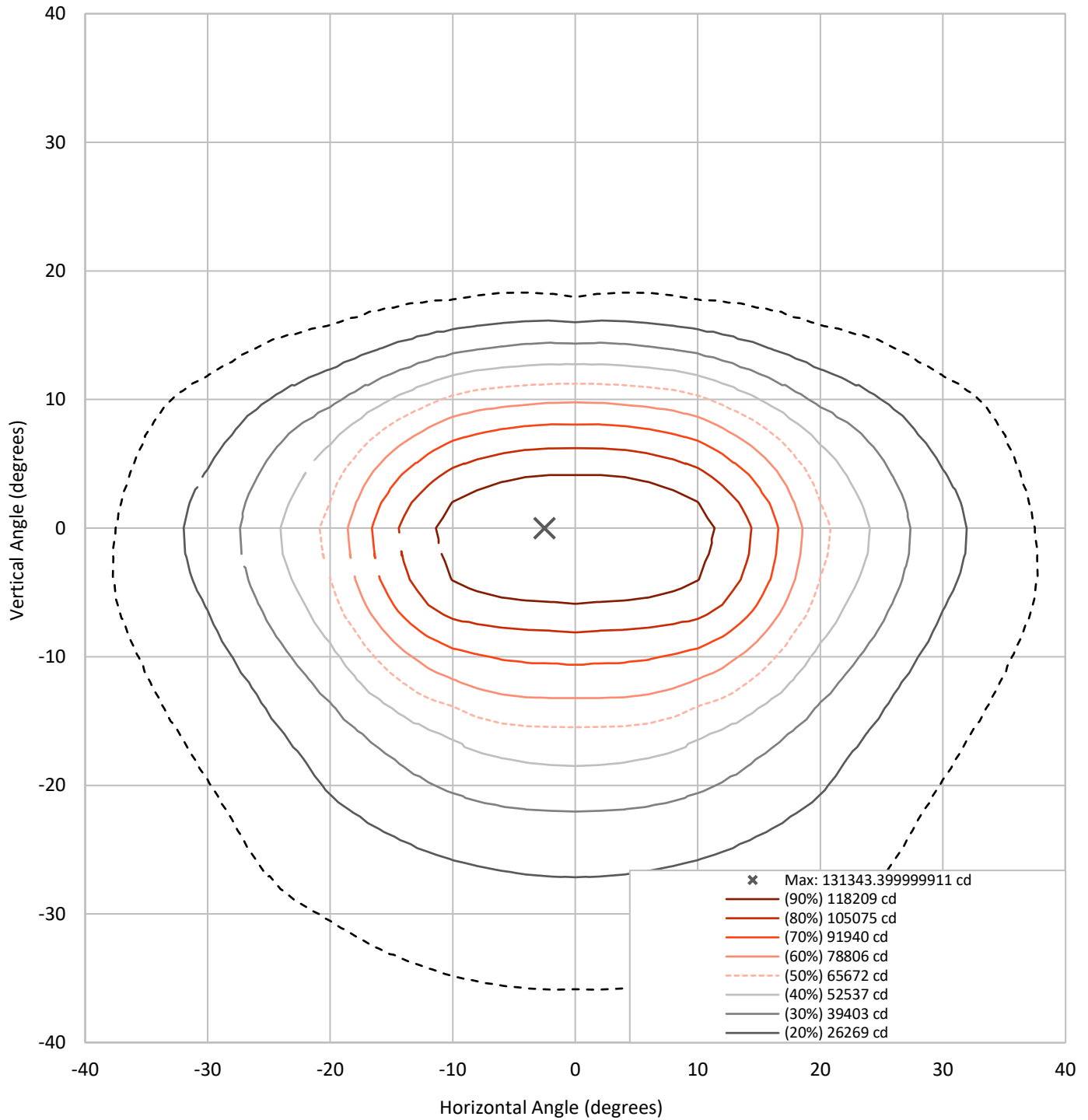
Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	52045.6 lumens	Max Intensity:	131343.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	75.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	25795 lumens	Field Lumens:	46655 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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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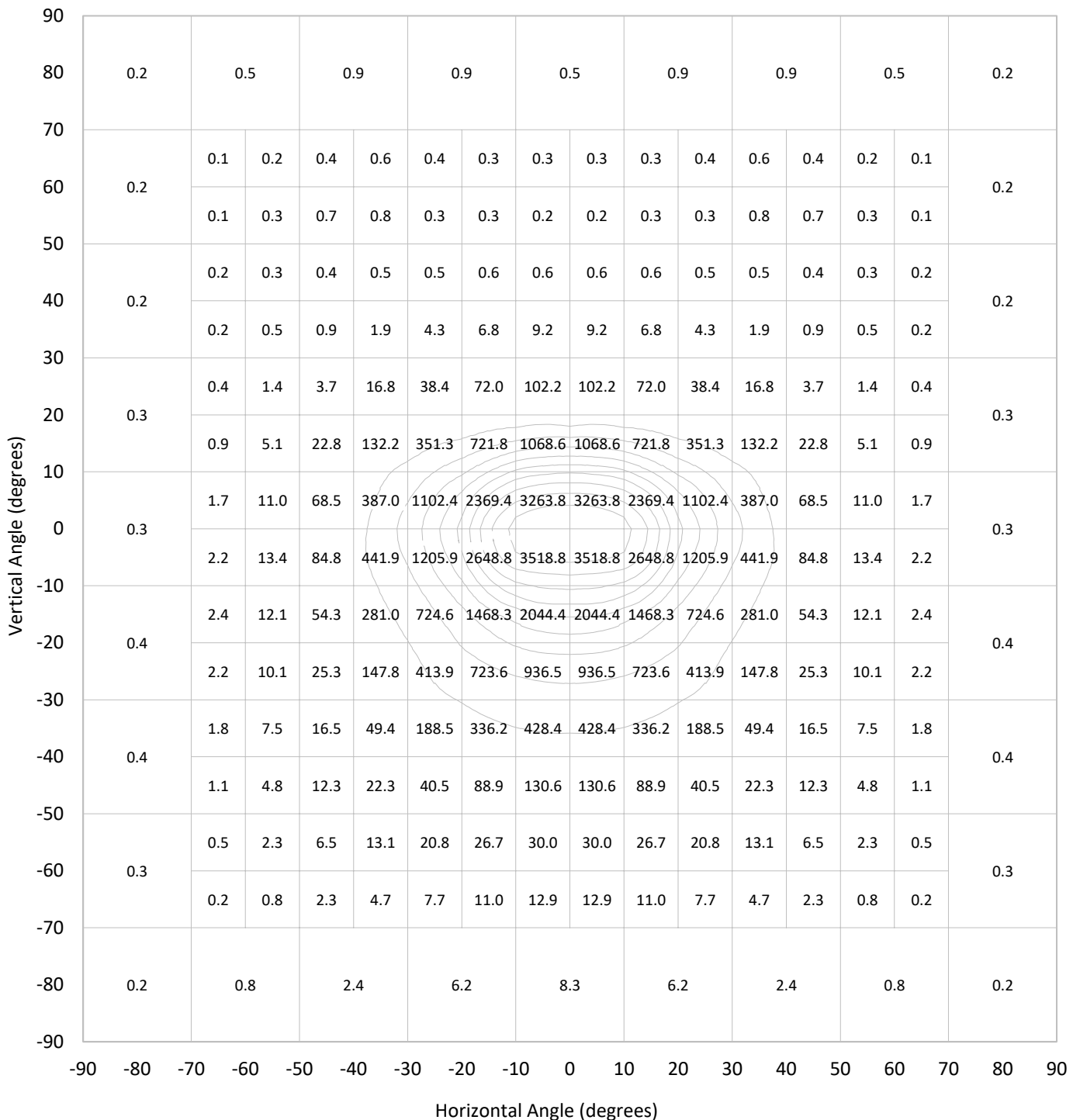
### Iso-Candela Plot





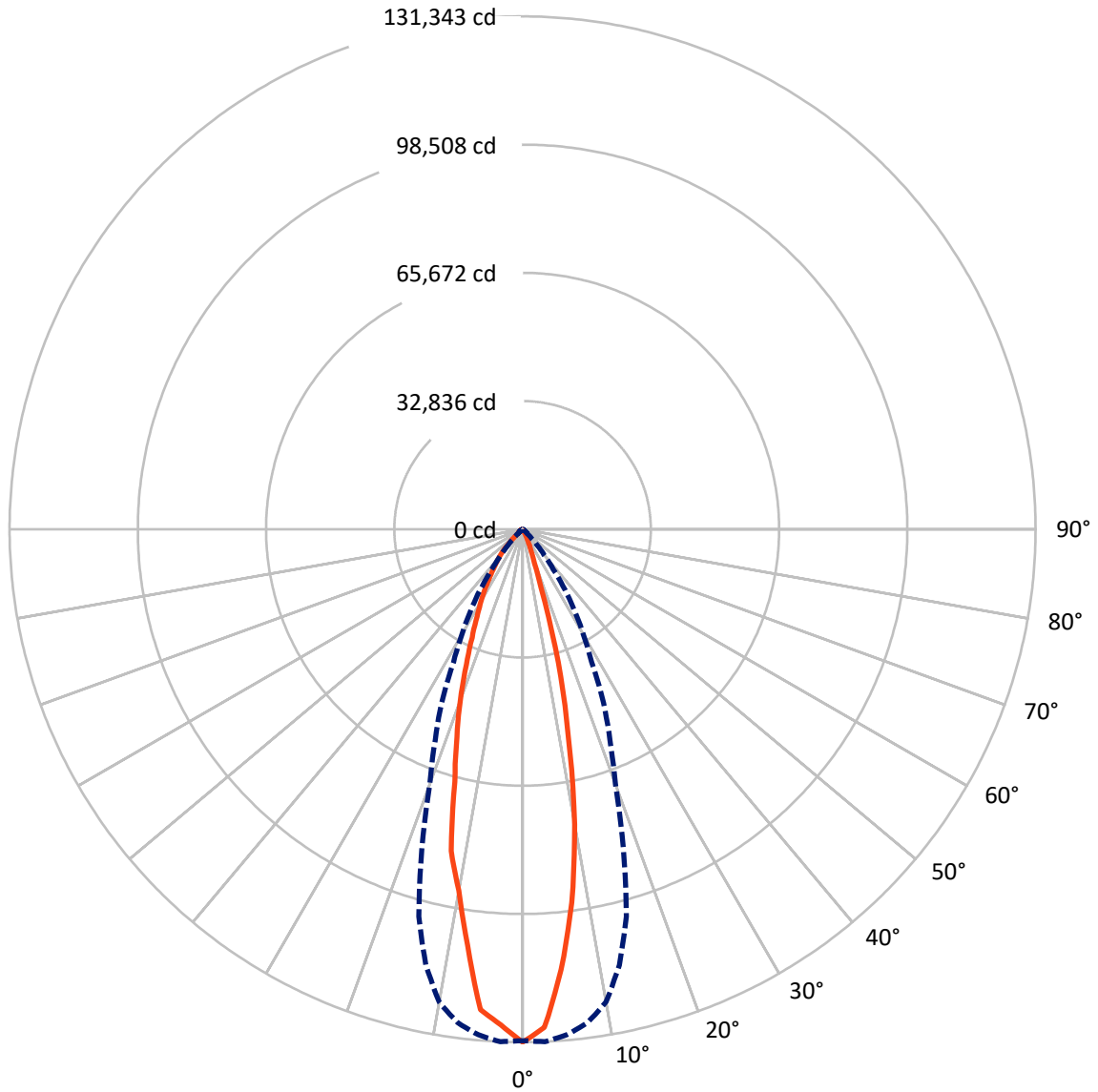
REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

### Lumen Table



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
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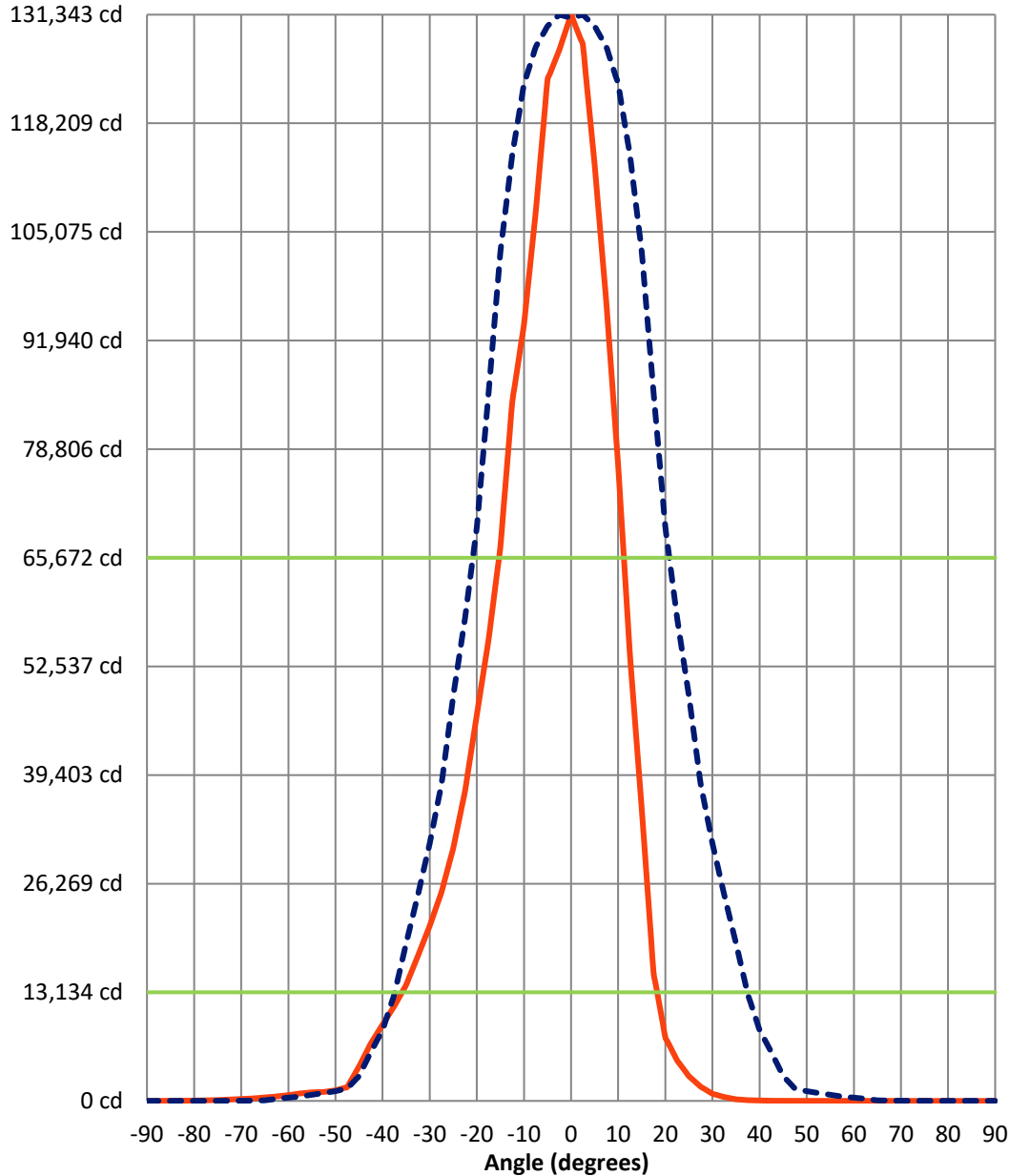
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 25795  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 46655  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 5390.6  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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	9	8	8	8	8
85°	8	8	8	9	9	9	9	9	9	8	8
82.5°	8	8	9	9	9	9	10	9	9	9	9
80°	8	8	9	9	9	10	10	10	9	9	9
77.5°	8	8	9	9	10	10	10	10	10	10	10
75°	8	8	9	10	10	10	10	10	10	10	10
72.5°	8	8	9	10	10	10	10	10	10	10	10
70°	8	8	9	10	10	10	10	10	10	10	10
67.5°	8	8	9	10	10	10	10	10	10	10	10
65°	8	8	10	10	10	10	10	10	10	10	10
62.5°	8	8	10	10	10	10	10	10	10	10	10
60°	8	8	10	10	10	10	10	10	10	10	10
57.5°	8	8	10	10	10	10	10	10	10	10	10
55°	8	8	10	10	10	10	10	10	10	10	10
52.5°	8	8	10	10	10	10	10	10	10	10	10
50°	8	8	10	10	10	10	10	10	10	10	11
47.5°	8	8	10	10	10	10	10	10	10	10	11
45°	8	9	10	10	10	10	10	10	10	11	12
42.5°	8	8	10	10	10	10	10	11	10	11	13
40°	8	8	10	10	10	10	11	11	11	12	13
37.5°	8	8	10	10	10	10	11	11	12	12	14
35°	8	8	10	10	10	10	11	12	12	13	14
32.5°	8	8	10	10	10	10	11	12	13	14	15
30°	8	8	10	10	10	11	12	12	14	15	17
27.5°	8	8	10	10	10	11	12	13	14	16	19
25°	8	8	10	10	10	11	12	14	15	18	21
22.5°	8	8	10	10	10	11	13	14	16	19	24
20°	8	8	10	10	10	11	13	15	17	21	28
17.5°	8	8	10	10	10	12	13	15	18	22	33
15°	8	8	10	10	10	12	14	15	19	24	37
12.5°	8	8	10	10	10	12	14	16	19	26	42
10°	8	8	10	10	10	12	14	16	20	28	48
7.5°	8	8	10	10	10	12	14	16	20	31	54
5°	8	8	10	10	10	12	14	16	21	33	60
2.5°	8	8	10	10	10	12	14	16	21	36	66
0°	8	8	10	10	10	12	14	16	22	38	72
-2.5°	8	8	10	10	10	12	14	18	27	48	88
-5°	8	8	10	10	10	12	14	20	32	57	102
-7.5°	8	8	10	10	11	13	15	21	37	65	116
-10°	8	8	10	10	11	13	15	23	41	73	128
-12.5°	8	8	10	10	11	13	15	24	44	79	137
-15°	8	8	10	10	11	13	15	24	47	85	143
-17.5°	8	8	10	10	11	13	15	25	50	88	148
-20°	8	8	10	10	11	13	16	27	51	91	150



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 CATALOG NUMBER: EPH-08-680R-40-80-5S-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	13	17	28	52	91	149
-25°	8	8	10	10	11	13	17	28	51	90	146
-27.5°	8	8	10	10	11	13	17	28	49	88	145
-30°	8	8	10	10	11	13	17	28	48	86	140
-32.5°	8	8	10	10	11	13	17	27	47	82	134
-35°	8	8	10	10	11	13	16	27	46	76	124
-37.5°	8	8	10	10	11	12	16	26	43	69	111
-40°	8	8	10	10	10	12	16	24	40	65	99
-42.5°	8	8	10	10	10	12	15	21	37	59	86
-45°	8	9	10	10	10	12	14	19	34	52	73
-47.5°	8	8	10	10	10	12	13	18	29	45	65
-50°	8	8	10	10	11	11	13	17	24	38	56
-52.5°	8	8	10	10	11	11	13	15	21	32	46
-55°	8	8	10	10	11	11	12	14	18	24	38
-57.5°	8	8	10	10	11	11	12	13	16	21	29
-60°	8	8	10	10	11	11	12	13	14	18	22
-62.5°	8	8	10	10	11	11	12	12	14	16	19
-65°	8	8	10	10	11	11	12	12	13	14	16
-67.5°	8	8	9	10	10	11	12	12	13	14	15
-70°	8	8	9	10	10	11	12	12	13	13	14
-72.5°	8	8	9	10	10	11	11	12	12	13	14
-75°	8	8	9	10	10	10	11	12	12	12	13
-77.5°	8	8	9	9	10	10	11	11	11	12	12
-80°	8	8	9	9	9	10	10	10	11	11	11
-82.5°	8	8	9	9	9	9	10	10	10	10	11
-85°	8	8	8	9	9	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: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-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	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°	9	9	8	8	8	8	8	8	8	8	8
80°	9	9	9	9	9	9	9	10	9	9	9
77.5°	10	10	10	10	10	10	10	10	10	9	9
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	10	10	10	10	10	10	11	12	12	12	12
70°	10	10	10	10	10	11	12	13	13	14	15
67.5°	10	10	10	10	11	12	13	15	17	18	20
65°	10	10	10	11	12	13	15	18	23	26	27
62.5°	10	10	11	12	13	15	19	24	32	36	36
60°	10	10	11	13	14	17	23	30	40	48	43
57.5°	10	11	12	14	16	19	26	36	46	57	48
55°	10	11	13	16	18	20	27	36	47	53	45
52.5°	11	12	15	17	19	21	24	32	38	43	38
50°	12	14	16	18	20	20	19	25	30	32	31
47.5°	13	15	17	19	19	19	17	20	23	25	24
45°	14	16	18	18	19	18	17	16	20	21	20
42.5°	15	16	18	18	19	19	19	18	19	19	19
40°	15	17	18	20	20	22	23	23	19	21	22
37.5°	16	18	20	24	23	26	28	31	28	27	30
35°	16	18	25	30	30	32	39	42	40	38	42
32.5°	17	19	32	37	40	43	53	55	56	57	61
30°	18	26	40	45	52	62	68	69	76	86	113
27.5°	22	34	48	56	66	84	91	92	104	129	193
25°	27	54	56	68	86	108	123	136	141	218	370
22.5°	38	80	89	81	108	137	167	205	264	352	579
20°	57	108	130	136	143	169	218	296	478	793	1094
17.5°	78	141	176	205	237	248	280	404	749	1422	2210
15°	102	176	226	282	342	388	456	649	1206	2291	3643
12.5°	128	215	278	366	455	537	664	1078	2014	3519	5570
10°	154	255	332	454	573	692	879	1568	2970	4828	7326
7.5°	183	294	386	545	694	850	1098	2095	3959	6037	8847
5°	210	331	434	617	793	988	1297	2630	4941	7139	10226
2.5°	236	365	480	683	875	1088	1406	2851	5506	7953	11585
0°	259	396	524	743	950	1181	1502	3010	5895	8577	12910
-2.5°	269	409	546	762	947	1167	1503	3063	6229	9318	13580
-5°	275	417	563	773	940	1145	1488	3040	6283	9490	13316
-7.5°	277	422	575	776	921	1101	1422	2818	5688	8704	12075
-10°	277	421	570	752	885	1043	1333	2525	4998	7817	10757
-12.5°	272	414	559	725	851	981	1230	2165	4242	6855	9495
-15°	265	404	544	697	820	918	1115	1740	3455	5993	8482
-17.5°	256	392	526	670	792	855	992	1314	2750	5069	7462
-20°	246	378	504	643	766	813	927	1185	2175	4040	6355



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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°	235	362	481	615	729	791	870	1048	1551	2913	5159
-25°	228	345	459	578	693	771	811	917	1172	2198	3897
-27.5°	223	327	429	538	656	745	778	851	1030	1456	2711
-30°	215	301	397	498	612	704	757	800	908	1142	1859
-32.5°	199	273	364	459	562	665	742	783	853	974	1215
-35°	180	250	331	419	512	617	707	775	808	892	1046
-37.5°	163	225	296	379	465	563	668	744	799	838	948
-40°	144	199	265	339	419	508	605	700	774	837	886
-42.5°	123	176	235	298	374	454	540	635	729	815	881
-45°	108	151	204	263	327	400	479	562	660	758	844
-47.5°	92	127	175	225	283	347	416	494	577	672	773
-50°	76	108	143	190	239	295	356	424	499	578	666
-52.5°	65	88	118	154	198	245	299	357	422	489	560
-55°	53	73	95	124	158	199	244	295	347	407	461
-57.5°	43	58	76	97	124	154	194	235	281	328	368
-60°	32	45	60	76	94	120	146	180	218	254	288
-62.5°	23	34	46	59	73	88	110	134	158	188	216
-65°	20	24	33	44	55	69	82	95	115	135	153
-67.5°	16	20	24	29	39	50	62	74	86	96	107
-70°	15	16	18	22	26	33	44	54	64	73	82
-72.5°	14	15	15	16	19	24	30	35	42	50	58
-75°	13	14	14	15	16	18	20	25	29	33	37
-77.5°	13	13	13	14	14	16	17	19	21	23	26
-80°	12	12	12	13	13	14	14	15	16	18	20
-82.5°	11	11	11	11	12	12	12	12	13	14	15
-85°	10	10	10	10	10	11	11	11	11	11	11
-87.5°	9	9	9	9	9	9	9	9	9	10	10
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8	9	9	10	10	11	13	14	16	15	15
87.5°	8	8	7	7	6	6	5	5	4	4	3
85°	8	8	8	8	8	7	7	6	6	5	4
82.5°	8	8	8	8	8	8	7	7	6	5	4
80°	8	8	8	8	8	8	7	7	6	5	4
77.5°	8	8	8	8	8	8	7	7	6	5	4
75°	10	10	9	9	8	8	7	7	6	6	5
72.5°	12	11	11	10	10	9	9	8	8	7	7
70°	15	16	15	15	13	12	11	11	10	9	8
67.5°	21	21	20	18	16	14	13	11	10	10	10
65°	27	25	22	20	17	14	13	12	11	10	10
62.5°	33	27	22	18	16	14	12	11	10	9	8
60°	36	25	18	16	14	12	11	10	9	8	7
57.5°	36	24	15	13	12	10	10	9	9	8	7
55°	32	21	13	11	11	10	10	9	9	8	7
52.5°	26	19	14	12	11	11	10	9	9	8	8
50°	23	17	14	12	11	11	10	10	10	9	9
47.5°	20	16	14	12	12	13	13	13	13	13	12
45°	17	15	14	15	15	17	17	17	17	17	17
42.5°	17	17	19	21	20	23	24	21	24	26	25
40°	23	23	29	33	38	38	45	46	46	49	50
37.5°	34	39	56	69	75	75	84	86	84	95	98
35°	51	78	106	121	130	137	150	165	158	183	192
32.5°	92	141	191	189	206	251	268	295	323	366	413
30°	155	287	345	323	371	436	437	511	615	703	836
27.5°	350	497	572	606	643	725	826	921	1185	1366	1556
25°	593	797	878	1004	1118	1194	1501	1725	2105	2381	2666
22.5°	957	1225	1394	1508	1893	2236	2564	3052	3429	3902	4258
20°	1412	1775	2392	2877	3119	3847	4440	4945	5614	6200	6722
17.5°	2664	2868	4159	5421	5932	6873	8579	9222	11148	12558	13320
15°	4824	5810	7169	9274	11610	13455	15071	18382	22057	25314	28744
12.5°	7628	9556	11843	14419	18627	21966	25543	30274	36210	41377	47455
10°	10438	13694	16856	20870	26185	31341	36493	43986	52706	61078	68317
7.5°	12761	17175	21460	27009	34249	41433	48633	58543	70076	79632	87846
5°	15125	20653	25680	32079	40600	49349	58360	70717	84340	95160	103635
2.5°	17296	23560	29379	36514	46003	54563	64820	79990	96222	107895	117238
0°	19049	24920	31137	38317	48972	58408	69400	85667	102652	114315	122937
-2.5°	18672	24610	30422	37718	48415	57102	68230	84235	101016	112865	120609
-5°	17493	22750	27968	34820	44226	52691	63589	80041	96138	108221	117131
-7.5°	15751	20214	24947	31190	39378	47476	56954	70066	85090	96019	102478
-10°	13917	17612	22045	27321	34078	41351	49223	59727	72564	82149	88276
-12.5°	12309	15511	19465	23367	28881	35358	42348	50943	59414	69521	74818
-15°	10828	13497	16895	20636	25218	30309	35317	41753	47269	53582	58169
-17.5°	9589	11720	14731	18357	21807	26191	30970	35330	39993	44551	48354
-20°	8469	10228	12795	15987	19386	23114	27332	30880	34691	38154	41129



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 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7197	8980	10968	13699	17103	20445	23568	26250	29130	31928	34041
-25°	5872	7583	9487	12065	14853	17665	19877	21765	24013	26030	27843
-27.5°	4503	6327	8380	10533	12959	14746	16607	18315	20023	21380	22911
-30°	3130	5121	7140	9178	10840	12266	13654	15220	16766	18055	19136
-32.5°	2150	3586	5623	7518	8938	10151	11223	12558	13756	14817	15763
-35°	1291	2303	3702	5503	7057	8236	9328	10341	11235	12129	12840
-37.5°	1106	1330	2179	3376	4855	6282	7405	8352	9185	9874	10477
-40°	996	1129	1314	1723	2812	3902	5126	6207	7085	7732	8257
-42.5°	931	1016	1107	1252	1414	1932	2869	3764	4536	5252	5867
-45°	920	956	1005	1087	1161	1296	1442	1585	2193	2768	3241
-47.5°	851	924	969	1006	1045	1108	1170	1237	1347	1451	1540
-50°	750	829	897	963	998	1024	1049	1082	1125	1165	1201
-52.5°	627	703	779	850	905	955	1001	1022	1039	1053	1065
-55°	518	578	637	702	766	826	879	913	944	972	995
-57.5°	414	461	510	562	613	662	709	751	789	822	849
-60°	321	352	393	435	474	512	550	584	615	642	664
-62.5°	241	267	298	327	353	381	416	446	470	490	507
-65°	173	195	220	244	268	292	317	341	363	382	394
-67.5°	123	138	156	171	189	210	232	253	271	284	292
-70°	91	100	112	127	142	156	170	184	198	208	216
-72.5°	66	75	84	94	104	114	125	135	146	152	157
-75°	40	45	53	61	69	76	83	89	95	98	100
-77.5°	29	32	36	41	45	49	53	57	62	63	65
-80°	22	24	26	29	31	34	36	39	41	42	42
-82.5°	16	17	19	20	22	23	24	26	27	27	28
-85°	11	12	13	14	15	16	17	18	19	20	20
-87.5°	10	10	11	11	12	12	13	13	14	14	14
-90°	8	8	7	7	6	6	5	5	4	4	3



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14	14	14	14	14	14	14	15	15	16	14
87.5°	3	2	1	0	1	2	3	3	4	4	5
85°	3	2	2	2	2	2	3	4	5	6	6
82.5°	3	2	2	2	2	2	3	4	5	6	7
80°	3	2	2	2	2	2	3	4	5	6	7
77.5°	3	2	2	2	2	2	3	4	5	6	7
75°	4	4	3	2	3	4	4	5	6	6	7
72.5°	6	6	6	6	6	6	6	7	7	8	8
70°	7	6	6	6	6	6	7	8	9	10	11
67.5°	10	10	9	8	9	10	10	10	10	10	11
65°	10	10	10	10	10	10	10	10	10	11	12
62.5°	8	8	8	8	8	8	8	8	9	10	11
60°	7	6	6	6	6	6	7	7	8	9	10
57.5°	7	6	6	6	6	6	7	7	8	9	9
55°	7	6	6	6	6	6	7	7	8	9	9
52.5°	7	6	7	8	7	6	7	8	8	9	9
50°	9	8	8	8	8	8	9	9	9	10	10
47.5°	11	11	10	10	10	11	11	12	13	13	13
45°	16	15	14	14	14	15	16	17	17	17	17
42.5°	24	24	24	24	24	24	24	25	26	24	21
40°	53	53	53	54	53	53	53	50	49	46	46
37.5°	99	96	91	92	91	96	99	98	95	84	86
35°	193	198	198	199	198	198	193	192	183	158	165
32.5°	446	470	471	480	471	470	446	413	366	323	295
30°	877	896	867	881	867	896	877	836	703	615	511
27.5°	1654	1724	1723	1694	1723	1724	1654	1556	1366	1185	921
25°	2906	3014	2994	2959	2994	3014	2906	2666	2381	2105	1725
22.5°	4582	4760	4902	4810	4902	4760	4582	4258	3902	3429	3052
20°	7489	7540	7691	7637	7691	7540	7489	6722	6200	5614	4945
17.5°	15383	15935	15551	14383	15551	15935	15383	13320	12558	11148	9222
15°	31153	33466	35263	34277	35263	33466	31153	28744	25314	22057	18382
12.5°	51018	52724	53866	53950	53866	52724	51018	47455	41377	36210	30274
10°	73226	74734	76755	77039	76755	74734	73226	68317	61078	52706	43986
7.5°	91923	94981	96397	96207	96397	94981	91923	87846	79632	70076	58543
5°	108644	111813	113200	113431	113200	111813	108644	103635	95160	84340	70717
2.5°	122835	126034	127701	127244	127701	126034	122835	117238	107895	96222	79990
0°	127426	129946	131343	130960	131343	129946	127426	122937	114315	102652	85667
-2.5°	124508	126026	127079	126672	127079	126026	124508	120609	112865	101016	84235
-5°	121273	123075	123469	123951	123469	123075	121273	117131	108221	96138	80041
-7.5°	104934	106861	107498	108462	107498	106861	104934	102478	96019	85090	70066
-10°	91610	93771	93875	94470	93875	93771	91610	88276	82149	72564	59727
-12.5°	80449	83423	84409	84173	84409	83423	80449	74818	69521	59414	50943
-15°	64276	66817	66998	67117	66998	66817	64276	58169	53582	47269	41753
-17.5°	52391	54859	55811	56107	55811	54859	52391	48354	44551	39993	35330
-20°	43683	45521	46684	47165	46684	45521	43683	41129	38154	34691	30880



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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°	35887	37053	37477	37584	37477	37053	35887	34041	31928	29130	26250
-25°	29116	30041	30579	30804	30579	30041	29116	27843	26030	24013	21765
-27.5°	23904	24727	25245	25325	25245	24727	23904	22911	21380	20023	18315
-30°	19963	20687	21171	21302	21171	20687	19963	19136	18055	16766	15220
-32.5°	16542	17161	17540	17704	17540	17161	16542	15763	14817	13756	12558
-35°	13371	13787	14030	13951	14030	13787	13371	12840	12129	11235	10341
-37.5°	10961	11296	11478	11488	11478	11296	10961	10477	9874	9185	8352
-40°	8692	9032	9237	9249	9237	9032	8692	8257	7732	7085	6207
-42.5°	6356	6704	6942	7097	6942	6704	6356	5867	5252	4536	3764
-45°	3635	3936	4165	4331	4165	3936	3635	3241	2768	2193	1585
-47.5°	1606	1655	1676	1670	1676	1655	1606	1540	1451	1347	1237
-50°	1234	1263	1277	1277	1277	1263	1234	1201	1165	1125	1082
-52.5°	1074	1081	1086	1088	1086	1081	1074	1065	1053	1039	1022
-55°	1015	1030	1036	1034	1036	1030	1015	995	972	944	913
-57.5°	873	892	904	910	904	892	873	849	822	789	751
-60°	680	691	698	701	698	691	680	664	642	615	584
-62.5°	522	535	541	544	541	535	522	507	490	470	446
-65°	406	415	420	422	420	415	406	394	382	363	341
-67.5°	298	302	304	305	304	302	298	292	284	271	253
-70°	222	229	232	235	232	229	222	216	208	198	184
-72.5°	161	164	166	167	166	164	161	157	152	146	135
-75°	102	103	103	104	103	103	102	100	98	95	89
-77.5°	66	67	69	70	69	67	66	65	63	62	57
-80°	42	42	42	42	42	42	42	42	42	41	39
-82.5°	28	28	28	28	28	28	28	28	27	27	26
-85°	20	20	20	20	20	20	20	20	20	19	18
-87.5°	14	14	14	14	14	14	14	14	14	14	13
-90°	2	2	1	0	1	2	3	3	4	4	5



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13	11	10	10	9	9	8	8	8	8	8
87.5°	5	6	6	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	8	8	8	8	8	8	8	8	8	8
80°	7	8	8	8	8	8	8	9	9	9	10
77.5°	7	8	8	8	8	8	8	9	9	10	10
75°	7	8	8	9	9	10	10	10	10	10	10
72.5°	9	9	10	10	11	11	12	12	12	12	12
70°	11	12	13	15	15	16	15	15	14	13	13
67.5°	13	14	16	18	20	21	21	20	18	17	15
65°	13	14	17	20	22	25	27	27	26	23	18
62.5°	12	14	16	18	22	27	33	36	36	32	24
60°	11	12	14	16	18	25	36	43	48	40	30
57.5°	10	10	12	13	15	24	36	48	57	46	36
55°	10	10	11	11	13	21	32	45	53	47	36
52.5°	10	11	11	12	14	19	26	38	43	38	32
50°	10	11	11	12	14	17	23	31	32	30	25
47.5°	13	13	12	12	14	16	20	24	25	23	20
45°	17	17	15	15	14	15	17	20	21	20	16
42.5°	24	23	20	21	19	17	17	19	19	19	18
40°	45	38	38	33	29	23	23	22	21	19	23
37.5°	84	75	75	69	56	39	34	30	27	28	31
35°	150	137	130	121	106	78	51	42	38	40	42
32.5°	268	251	206	189	191	141	92	61	57	56	55
30°	437	436	371	323	345	287	155	113	86	76	69
27.5°	826	725	643	606	572	497	350	193	129	104	92
25°	1501	1194	1118	1004	878	797	593	370	218	141	136
22.5°	2564	2236	1893	1508	1394	1225	957	579	352	264	205
20°	4440	3847	3119	2877	2392	1775	1412	1094	793	478	296
17.5°	8579	6873	5932	5421	4159	2868	2664	2210	1422	749	404
15°	15071	13455	11610	9274	7169	5810	4824	3643	2291	1206	649
12.5°	25543	21966	18627	14419	11843	9556	7628	5570	3519	2014	1078
10°	36493	31341	26185	20870	16856	13694	10438	7326	4828	2970	1568
7.5°	48633	41433	34249	27009	21460	17175	12761	8847	6037	3959	2095
5°	58360	49349	40600	32079	25680	20653	15125	10226	7139	4941	2630
2.5°	64820	54563	46003	36514	29379	23560	17296	11585	7953	5506	2851
0°	69400	58408	48972	38317	31137	24920	19049	12910	8577	5895	3010
-2.5°	68230	57102	48415	37718	30422	24610	18672	13580	9318	6229	3063
-5°	63589	52691	44226	34820	27968	22750	17493	13316	9490	6283	3040
-7.5°	56954	47476	39378	31190	24947	20214	15751	12075	8704	5688	2818
-10°	49223	41351	34078	27321	22045	17612	13917	10757	7817	4998	2525
-12.5°	42348	35358	28881	23367	19465	15511	12309	9495	6855	4242	2165
-15°	35317	30309	25218	20636	16895	13497	10828	8482	5993	3455	1740
-17.5°	30970	26191	21807	18357	14731	11720	9589	7462	5069	2750	1314
-20°	27332	23114	19386	15987	12795	10228	8469	6355	4040	2175	1185



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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°	23568	20445	17103	13699	10968	8980	7197	5159	2913	1551	1048
-25°	19877	17665	14853	12065	9487	7583	5872	3897	2198	1172	917
-27.5°	16607	14746	12959	10533	8380	6327	4503	2711	1456	1030	851
-30°	13654	12266	10840	9178	7140	5121	3130	1859	1142	908	800
-32.5°	11223	10151	8938	7518	5623	3586	2150	1215	974	853	783
-35°	9328	8236	7057	5503	3702	2303	1291	1046	892	808	775
-37.5°	7405	6282	4855	3376	2179	1330	1106	948	838	799	744
-40°	5126	3902	2812	1723	1314	1129	996	886	837	774	700
-42.5°	2869	1932	1414	1252	1107	1016	931	881	815	729	635
-45°	1442	1296	1161	1087	1005	956	920	844	758	660	562
-47.5°	1170	1108	1045	1006	969	924	851	773	672	577	494
-50°	1049	1024	998	963	897	829	750	666	578	499	424
-52.5°	1001	955	905	850	779	703	627	560	489	422	357
-55°	879	826	766	702	637	578	518	461	407	347	295
-57.5°	709	662	613	562	510	461	414	368	328	281	235
-60°	550	512	474	435	393	352	321	288	254	218	180
-62.5°	416	381	353	327	298	267	241	216	188	158	134
-65°	317	292	268	244	220	195	173	153	135	115	95
-67.5°	232	210	189	171	156	138	123	107	96	86	74
-70°	170	156	142	127	112	100	91	82	73	64	54
-72.5°	125	114	104	94	84	75	66	58	50	42	35
-75°	83	76	69	61	53	45	40	37	33	29	25
-77.5°	53	49	45	41	36	32	29	26	23	21	19
-80°	36	34	31	29	26	24	22	20	18	16	15
-82.5°	24	23	22	20	19	17	16	15	14	13	12
-85°	17	16	15	14	13	12	11	11	11	11	11
-87.5°	13	12	12	11	11	10	10	10	10	9	9
-90°	5	6	6	7	7	8	8	8	8	8	8



REPORT NUMBER: P1305779 (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	8
87.5°	8	8	8	8	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	9	9
82.5°	8	8	8	8	8	9	9	9	9	9	9
80°	9	9	9	9	9	9	9	9	9	9	10
77.5°	10	10	10	10	10	10	10	10	10	10	10
75°	10	10	10	10	10	10	10	10	10	10	10
72.5°	11	10	10	10	10	10	10	10	10	10	10
70°	12	11	10	10	10	10	10	10	10	10	10
67.5°	13	12	11	10	10	10	10	10	10	10	10
65°	15	13	12	11	10	10	10	10	10	10	10
62.5°	19	15	13	12	11	10	10	10	10	10	10
60°	23	17	14	13	11	10	10	10	10	10	10
57.5°	26	19	16	14	12	11	10	10	10	10	10
55°	27	20	18	16	13	11	10	10	10	10	10
52.5°	24	21	19	17	15	12	11	10	10	10	10
50°	19	20	20	18	16	14	12	11	10	10	10
47.5°	17	19	19	19	17	15	13	11	10	10	10
45°	17	18	19	18	18	16	14	12	11	10	10
42.5°	19	19	19	18	18	16	15	13	11	10	11
40°	23	22	20	20	18	17	15	13	12	11	11
37.5°	28	26	23	24	20	18	16	14	12	12	11
35°	39	32	30	30	25	18	16	14	13	12	12
32.5°	53	43	40	37	32	19	17	15	14	13	12
30°	68	62	52	45	40	26	18	17	15	14	12
27.5°	91	84	66	56	48	34	22	19	16	14	13
25°	123	108	86	68	56	54	27	21	18	15	14
22.5°	167	137	108	81	89	80	38	24	19	16	14
20°	218	169	143	136	130	108	57	28	21	17	15
17.5°	280	248	237	205	176	141	78	33	22	18	15
15°	456	388	342	282	226	176	102	37	24	19	15
12.5°	664	537	455	366	278	215	128	42	26	19	16
10°	879	692	573	454	332	255	154	48	28	20	16
7.5°	1098	850	694	545	386	294	183	54	31	20	16
5°	1297	988	793	617	434	331	210	60	33	21	16
2.5°	1406	1088	875	683	480	365	236	66	36	21	16
0°	1502	1181	950	743	524	396	259	72	38	22	16
-2.5°	1503	1167	947	762	546	409	269	88	48	27	18
-5°	1488	1145	940	773	563	417	275	102	57	32	20
-7.5°	1422	1101	921	776	575	422	277	116	65	37	21
-10°	1333	1043	885	752	570	421	277	128	73	41	23
-12.5°	1230	981	851	725	559	414	272	137	79	44	24
-15°	1115	918	820	697	544	404	265	143	85	47	24
-17.5°	992	855	792	670	526	392	256	148	88	50	25
-20°	927	813	766	643	504	378	246	150	91	51	27



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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°	870	791	729	615	481	362	235	149	91	52	28
-25°	811	771	693	578	459	345	228	146	90	51	28
-27.5°	778	745	656	538	429	327	223	145	88	49	28
-30°	757	704	612	498	397	301	215	140	86	48	28
-32.5°	742	665	562	459	364	273	199	134	82	47	27
-35°	707	617	512	419	331	250	180	124	76	46	27
-37.5°	668	563	465	379	296	225	163	111	69	43	26
-40°	605	508	419	339	265	199	144	99	65	40	24
-42.5°	540	454	374	298	235	176	123	86	59	37	21
-45°	479	400	327	263	204	151	108	73	52	34	19
-47.5°	416	347	283	225	175	127	92	65	45	29	18
-50°	356	295	239	190	143	108	76	56	38	24	17
-52.5°	299	245	198	154	118	88	65	46	32	21	15
-55°	244	199	158	124	95	73	53	38	24	18	14
-57.5°	194	154	124	97	76	58	43	29	21	16	13
-60°	146	120	94	76	60	45	32	22	18	14	13
-62.5°	110	88	73	59	46	34	23	19	16	14	12
-65°	82	69	55	44	33	24	20	16	14	13	12
-67.5°	62	50	39	29	24	20	16	15	14	13	12
-70°	44	33	26	22	18	16	15	14	13	13	12
-72.5°	30	24	19	16	15	15	14	14	13	12	12
-75°	20	18	16	15	14	14	13	13	12	12	12
-77.5°	17	16	14	14	13	13	13	12	12	11	11
-80°	14	14	13	13	12	12	12	11	11	11	10
-82.5°	12	12	12	11	11	11	11	11	10	10	10
-85°	11	11	10	10	10	10	10	10	10	9	9
-87.5°	9	9	9	9	9	9	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	9	8	8	8	8	8	8
85°	9	9	9	9	8	8	8
82.5°	10	9	9	9	9	8	8
80°	10	10	9	9	9	8	8
77.5°	10	10	10	9	9	8	8
75°	10	10	10	10	9	8	8
72.5°	10	10	10	10	9	8	8
70°	10	10	10	10	9	8	8
67.5°	10	10	10	10	9	8	8
65°	10	10	10	10	10	8	8
62.5°	10	10	10	10	10	8	8
60°	10	10	10	10	10	8	8
57.5°	10	10	10	10	10	8	8
55°	10	10	10	10	10	8	8
52.5°	10	10	10	10	10	8	8
50°	10	10	10	10	10	8	8
47.5°	10	10	10	10	10	8	8
45°	10	10	10	10	10	9	8
42.5°	10	10	10	10	10	8	8
40°	11	10	10	10	10	8	8
37.5°	11	10	10	10	10	8	8
35°	11	10	10	10	10	8	8
32.5°	11	10	10	10	10	8	8
30°	12	11	10	10	10	8	8
27.5°	12	11	10	10	10	8	8
25°	12	11	10	10	10	8	8
22.5°	13	11	10	10	10	8	8
20°	13	11	10	10	10	8	8
17.5°	13	12	10	10	10	8	8
15°	14	12	10	10	10	8	8
12.5°	14	12	10	10	10	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°	14	12	10	10	10	8	8
-5°	14	12	10	10	10	8	8
-7.5°	15	13	11	10	10	8	8
-10°	15	13	11	10	10	8	8
-12.5°	15	13	11	10	10	8	8
-15°	15	13	11	10	10	8	8
-17.5°	15	13	11	10	10	8	8
-20°	16	13	11	10	10	8	8



REPORT NUMBER: P1305779 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)