

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: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-5S-CV2-A**

Issue Date: 2/3/2026

Test Information

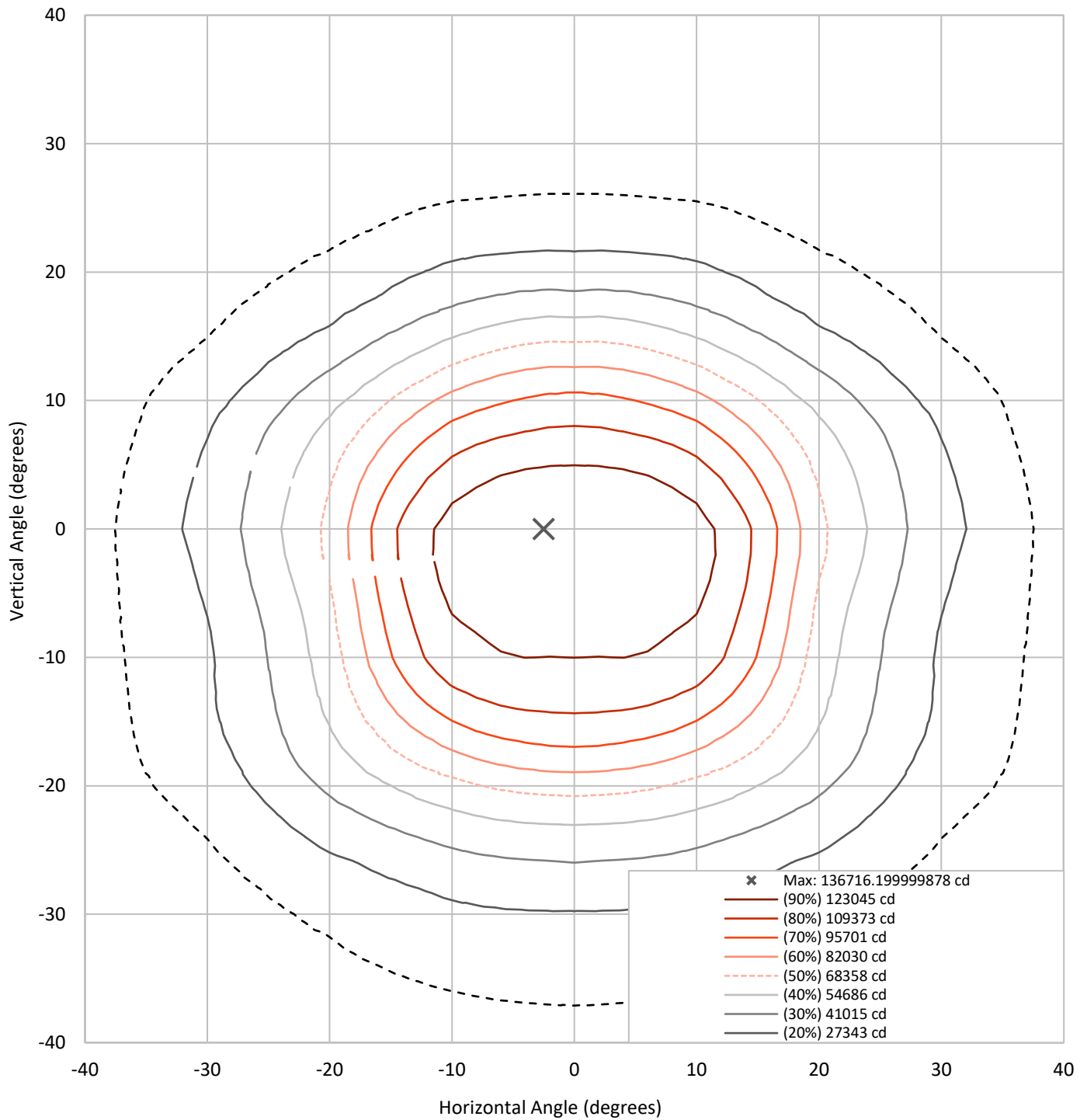
Test Method: LM-79-08
Report Number: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-5S-CV2-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	67473.3 lumens	Max Intensity:	136716.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	98.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	37111.7 lumens	Field Lumens:	61813.2 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%
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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CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

Iso-Candela Plot





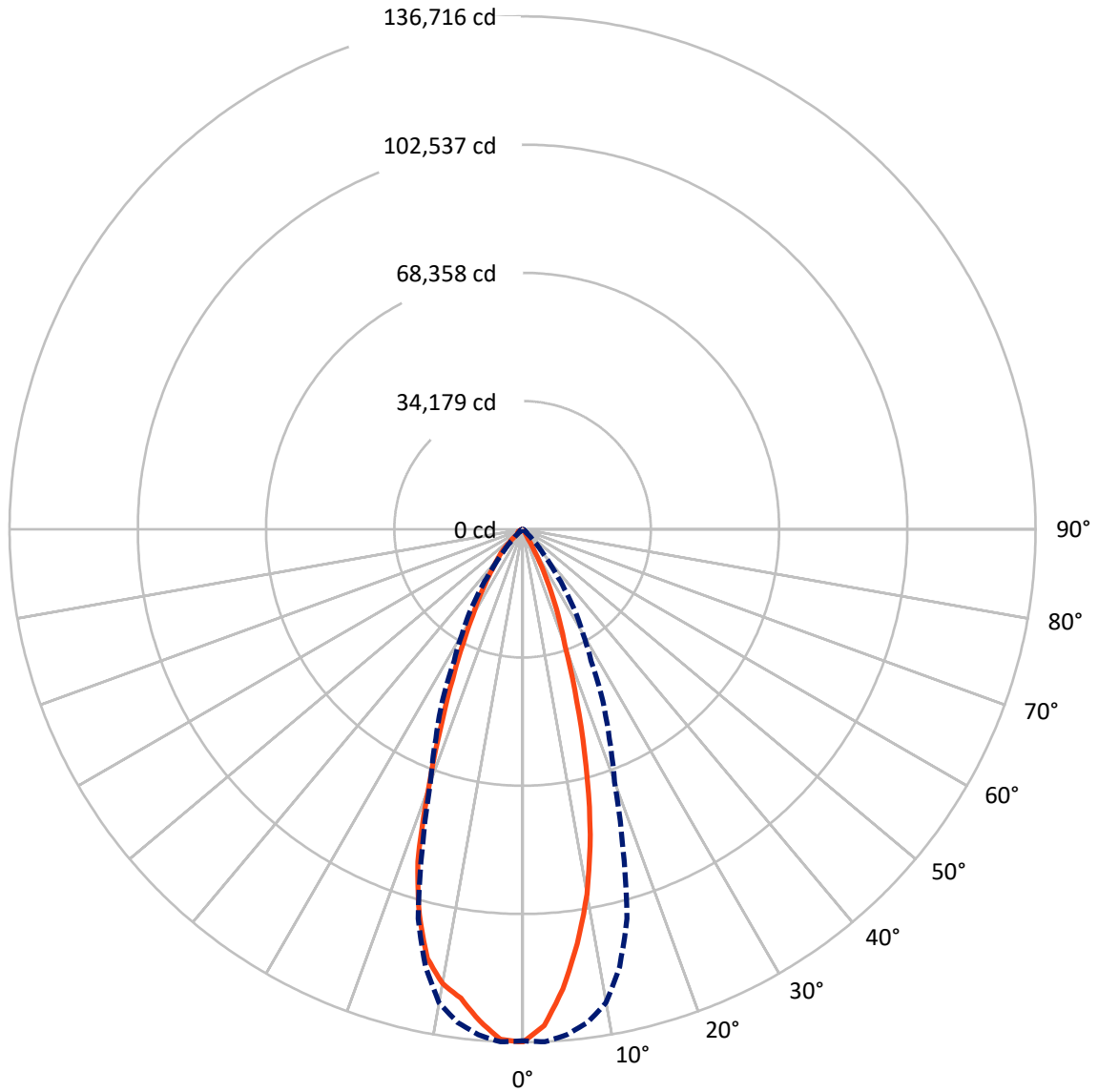
REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2							
80	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2							
70	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2			
60		0.1	0.3	0.7	0.8	0.4	0.4	0.5	0.5	0.4	0.4	0.8	0.7	0.3	0.1				
50	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2			
40		0.2	0.9	2.0	5.5	15.2	26.2	33.5	33.5	26.2	15.2	5.5	2.0	0.9	0.2				
30	0.2	0.4	3.0	10.3	59.9	172.3	350.1	505.5	505.5	350.1	172.3	59.9	10.3	3.0	0.4	0.2			
20		0.8	6.4	33.6	213.1	624.5	1280.0	1891.0	1891.0	1280.0	624.5	213.1	33.6	6.4	0.8				
10	0.3	1.5	10.8	73.1	438.4	1252.1	2621.7	3578.2	3578.2	2621.7	1252.1	438.4	73.1	10.8	1.5	0.3			
0		2.5	14.8	88.4	459.0	1282.2	2942.3	3921.6	3921.6	2942.3	1282.2	459.0	88.4	14.8	2.5				
-10	0.4	2.9	15.2	71.0	389.7	1055.7	2223.1	3061.4	3061.4	2223.1	1055.7	389.7	71.0	15.2	2.9	0.4			
-20		2.5	12.4	33.3	195.5	564.9	1038.8	1364.1	1364.1	1038.8	564.9	195.5	33.3	12.4	2.5				
-30	0.4	1.9	8.6	19.4	57.1	212.8	391.6	510.9	510.9	391.6	212.8	57.1	19.4	8.6	1.9	0.4			
-40		1.1	5.2	13.7	25.2	47.2	106.4	160.6	160.6	106.4	47.2	25.2	13.7	5.2	1.1				
-50	0.2	0.6	2.6	7.7	16.1	26.5	36.3	42.0	42.0	36.3	26.5	16.1	7.7	2.6	0.6	0.2			
-60		0.2	1.0	3.0	6.7	11.7	17.7	21.1	21.1	17.7	11.7	6.7	3.0	1.0	0.2				
-70																			
-80	0.2	0.8	2.4	6.4	8.9	6.4	2.4	0.8	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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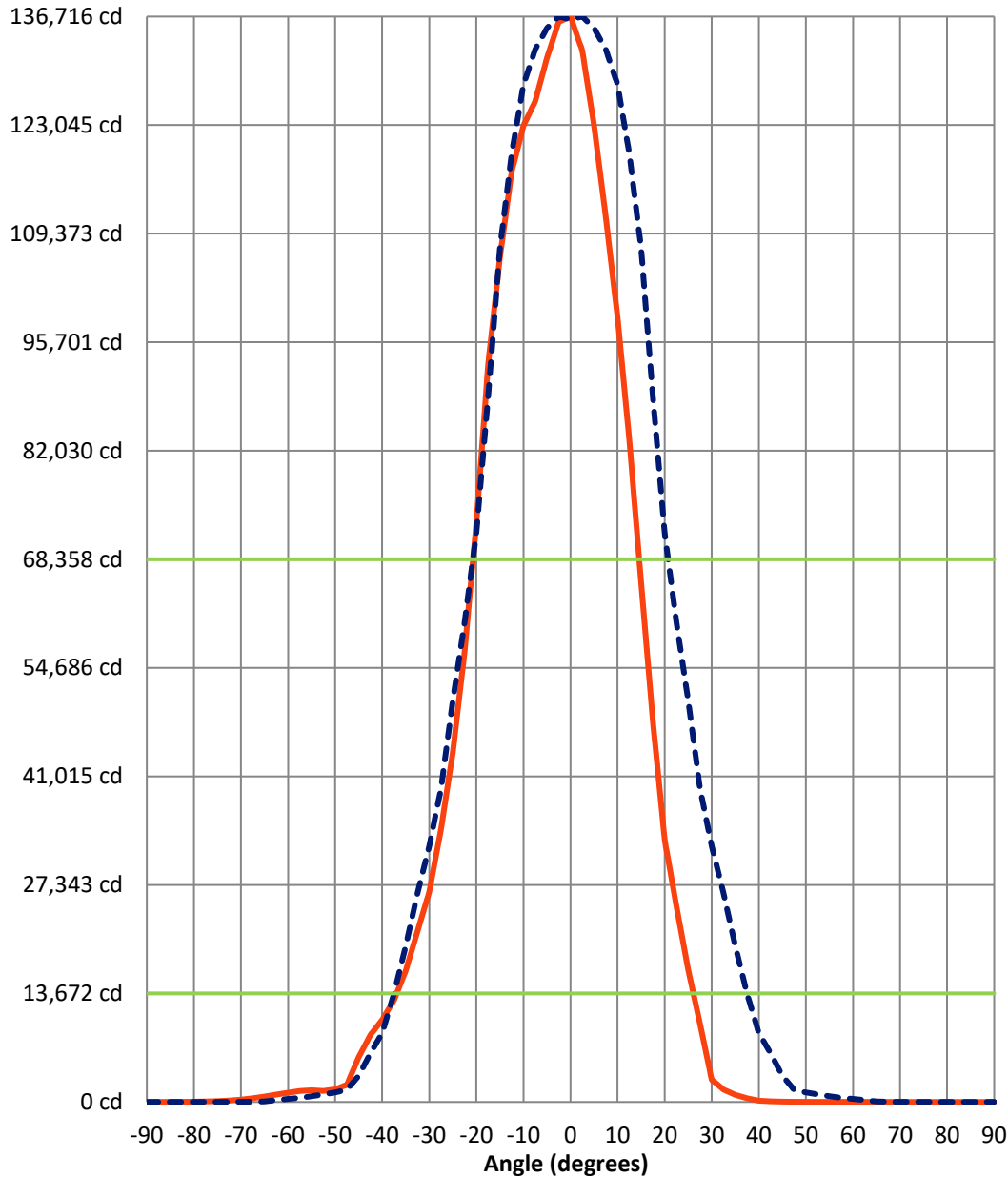
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 37111.7
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 61813.2
 Efficiency: 91.6%

Spill:
 Lumens: 5660
 Efficiency: 8.4%

— 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	8	8	8	8	8
85°	8	8	8	8	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8	9	9	9	9
67.5°	8	8	8	8	8	8	9	9	9	9	10
65°	8	8	8	8	8	8	9	10	10	10	10
62.5°	8	8	8	8	8	9	9	10	10	10	10
60°	8	8	8	8	8	9	10	10	10	10	10
57.5°	8	8	8	8	8	9	10	10	10	10	10
55°	8	8	8	8	9	10	10	10	10	10	10
52.5°	8	8	8	8	9	10	10	10	10	10	10
50°	8	8	8	8	9	10	10	10	10	10	11
47.5°	8	8	8	8	9	10	10	10	10	10	11
45°	8	8	8	8	10	10	10	10	10	11	12
42.5°	8	8	8	8	10	10	10	10	10	11	12
40°	8	8	8	9	10	10	10	10	11	12	13
37.5°	8	8	8	9	10	10	10	10	11	12	14
35°	8	8	8	9	10	10	10	11	12	13	14
32.5°	8	8	8	9	10	10	10	11	12	14	15
30°	8	8	8	9	10	10	10	11	13	15	16
27.5°	8	8	8	9	10	10	10	12	13	15	18
25°	8	8	8	9	10	10	11	12	14	16	19
22.5°	8	8	8	9	10	10	11	12	15	18	22
20°	8	8	8	9	10	10	11	13	15	19	26
17.5°	8	8	8	9	10	10	11	13	16	20	29
15°	8	8	8	9	10	10	12	13	17	21	33
12.5°	8	8	8	9	10	10	12	14	17	22	36
10°	8	8	8	8	10	10	12	14	18	24	41
7.5°	8	8	8	8	10	10	12	14	18	26	48
5°	8	8	8	8	10	10	12	14	19	28	56
2.5°	8	8	8	8	10	10	12	14	19	30	63
0°	8	8	8	8	10	10	12	14	20	32	70
-2.5°	8	8	8	8	10	10	13	16	25	44	90
-5°	8	8	8	8	10	11	14	18	30	55	109
-7.5°	8	8	8	8	10	11	14	19	35	65	127
-10°	8	8	8	8	10	12	15	21	39	74	142
-12.5°	8	8	8	9	10	12	15	22	42	82	152
-15°	8	8	8	9	10	12	16	23	46	89	160
-17.5°	8	8	8	9	10	12	16	25	49	93	164
-20°	8	8	8	9	10	12	17	27	51	96	167



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8	8	8	9	10	12	17	28	52	97	166
-25°	8	8	8	9	10	12	18	29	51	96	163
-27.5°	8	8	8	9	10	12	18	29	49	94	161
-30°	8	8	8	9	10	12	17	28	48	91	156
-32.5°	8	8	8	9	10	12	17	28	47	87	148
-35°	8	8	8	9	10	11	16	27	46	80	137
-37.5°	8	8	8	9	10	11	16	26	43	72	121
-40°	8	8	8	9	10	11	15	24	39	66	106
-42.5°	8	8	8	8	10	11	14	21	36	59	90
-45°	8	8	8	8	10	11	14	19	33	52	75
-47.5°	8	8	8	8	10	11	13	18	29	44	66
-50°	8	8	8	8	10	11	12	17	24	38	56
-52.5°	8	8	8	8	9	11	12	15	21	32	46
-55°	8	8	8	8	9	11	12	14	19	25	39
-57.5°	8	8	8	8	9	10	12	13	16	21	30
-60°	8	8	8	8	9	10	12	13	14	19	24
-62.5°	8	8	8	8	9	10	11	12	14	16	20
-65°	8	8	8	8	9	9	11	12	13	14	17
-67.5°	8	8	8	8	9	9	10	12	13	14	15
-70°	8	8	8	8	9	9	10	11	12	13	14
-72.5°	8	8	8	8	9	9	10	10	12	13	14
-75°	8	8	8	8	9	9	10	10	11	12	13
-77.5°	8	8	8	8	9	9	10	10	11	11	12
-80°	8	8	8	8	9	9	10	10	10	11	11
-82.5°	8	8	8	8	9	9	10	10	10	10	11
-85°	8	8	8	8	8	9	9	9	9	10	10
-87.5°	8	8	8	8	8	8	9	9	9	9	9
-90°	8	8	8	8	8	8	8	8	8	8	8



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-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	7	7	6	6	6	6
87.5°	8	8	7	7	7	7	6	6	6	5	5
85°	8	8	8	8	8	7	7	6	6	6	5
82.5°	8	8	8	8	8	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	7	7
72.5°	8	9	9	8	8	8	8	8	8	8	8
70°	9	9	9	8	8	8	9	10	11	11	11
67.5°	10	9	9	9	9	10	11	13	14	14	15
65°	10	9	9	9	10	12	13	15	19	22	23
62.5°	10	10	10	10	12	14	17	21	28	32	31
60°	10	10	11	12	14	16	20	27	35	42	38
57.5°	10	11	12	13	15	16	22	31	41	52	45
55°	10	11	13	14	16	17	23	33	44	51	44
52.5°	11	12	14	15	17	18	23	32	39	44	41
50°	12	13	14	16	18	19	20	28	33	35	35
47.5°	13	14	15	17	19	20	20	24	28	31	29
45°	13	14	16	18	21	22	23	22	29	31	29
42.5°	14	15	18	20	23	26	28	30	34	37	36
40°	14	16	20	25	27	33	39	43	44	47	47
37.5°	15	18	25	35	35	44	52	61	63	59	66
35°	16	21	37	49	51	58	72	85	93	88	95
32.5°	18	24	54	66	79	85	95	123	149	158	143
30°	21	39	73	85	114	133	139	177	233	282	378
27.5°	25	58	90	116	158	193	208	269	365	494	772
25°	29	77	109	157	217	257	281	368	528	940	1459
22.5°	39	97	132	201	282	317	369	487	756	1441	2302
20°	55	116	166	245	352	374	450	601	1068	2105	3139
17.5°	70	137	202	297	406	451	528	705	1330	2938	4227
15°	85	160	237	350	469	558	676	939	1830	3924	5667
12.5°	100	184	269	403	543	671	845	1321	2722	5076	7677
10°	113	208	300	454	623	788	1021	1738	3624	6078	9269
7.5°	144	245	333	503	706	906	1198	2173	4437	6926	10599
5°	178	296	397	580	795	1018	1360	2603	5151	7625	11797
2.5°	212	345	460	656	879	1115	1461	2978	5711	8216	12831
0°	243	390	520	727	956	1203	1546	3305	6136	8695	13646
-2.5°	281	440	587	795	982	1206	1547	3184	6229	9147	13340
-5°	314	485	648	856	1005	1202	1535	3000	6178	9389	13094
-7.5°	341	525	704	904	1027	1215	1565	3040	6093	9389	12939
-10°	356	536	704	902	1040	1230	1585	2969	5833	9195	12625
-12.5°	343	522	690	890	1049	1234	1579	2765	5396	8798	12233
-15°	326	505	669	868	1052	1223	1542	2417	4678	7945	11760
-17.5°	308	486	642	836	1050	1197	1452	1866	3750	6752	10675
-20°	289	464	609	792	1035	1138	1316	1655	2958	5415	8968



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	269	441	574	749	952	1066	1189	1433	2092	3912	6762
-25°	258	411	543	692	866	999	1061	1214	1544	2872	4937
-27.5°	252	383	506	634	788	929	974	1074	1320	1853	3335
-30°	244	346	464	578	719	845	911	974	1131	1419	2240
-32.5°	224	307	420	529	651	774	873	933	1032	1183	1455
-35°	201	278	375	477	585	708	819	908	956	1059	1242
-37.5°	179	248	329	425	525	639	761	858	928	978	1109
-40°	156	214	291	375	465	569	682	795	884	958	1016
-42.5°	133	188	252	327	412	503	600	710	821	917	991
-45°	114	160	213	284	359	439	527	618	737	846	937
-47.5°	95	133	182	241	310	381	455	546	645	753	857
-50°	78	112	151	204	263	326	392	475	566	658	754
-52.5°	67	90	126	168	220	276	337	408	489	573	657
-55°	55	75	102	137	178	228	285	347	410	487	563
-57.5°	44	61	82	109	143	180	233	288	346	405	469
-60°	34	49	66	87	110	143	181	229	280	332	385
-62.5°	25	37	51	68	87	108	139	175	213	257	301
-65°	21	26	37	51	66	84	104	125	157	188	219
-67.5°	17	21	26	33	46	61	76	94	113	130	150
-70°	15	16	20	25	30	38	50	64	77	90	105
-72.5°	14	15	16	18	21	26	31	37	46	56	66
-75°	13	14	15	15	17	18	20	24	28	33	37
-77.5°	13	13	13	14	14	15	16	17	18	20	22
-80°	12	12	12	13	13	13	13	13	14	14	15
-82.5°	11	11	11	11	11	11	11	11	11	11	11
-85°	10	10	10	10	10	10	9	9	9	9	9
-87.5°	9	9	9	9	9	8	8	7	7	8	8
-90°	8	7	7	6	6	6	6	6	6	5	5



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6	6	6	6	6	7	7	7	8	9	10
87.5°	4	4	4	4	4	4	4	4	4	4	3
85°	5	5	5	4	4	4	4	4	4	4	3
82.5°	6	6	5	5	4	4	4	4	4	4	3
80°	6	6	6	5	5	5	5	4	4	4	3
77.5°	6	6	6	6	6	6	5	5	4	4	3
75°	6	6	6	6	6	6	6	6	6	5	5
72.5°	8	8	7	7	7	7	7	6	6	6	6
70°	11	11	10	10	10	9	9	8	8	8	8
67.5°	16	16	16	15	14	12	11	11	10	10	10
65°	23	20	18	17	15	14	13	13	12	12	14
62.5°	27	21	18	17	16	16	15	14	13	14	15
60°	32	23	17	16	15	14	14	14	14	14	15
57.5°	34	24	16	15	15	14	14	14	14	14	15
55°	33	24	16	16	15	16	16	15	14	14	14
52.5°	30	23	17	16	16	15	14	15	16	16	17
50°	27	21	19	17	17	18	18	19	20	20	21
47.5°	25	22	21	21	22	23	23	24	27	29	30
45°	25	26	28	29	28	34	38	40	43	46	48
42.5°	34	38	41	46	49	59	64	58	70	81	84
40°	52	57	70	83	100	107	140	141	156	192	203
37.5°	79	95	137	173	231	265	307	347	380	413	436
35°	123	204	268	381	458	496	547	606	632	737	817
32.5°	262	408	582	672	773	850	840	1088	1184	1342	1471
30°	484	833	1301	1301	1283	1709	1865	2186	2515	2735	3260
27.5°	1119	1860	2601	2616	2937	3826	4332	4484	5914	6832	8084
25°	2061	3282	4304	4780	5734	7181	8038	9060	11194	13626	15161
22.5°	3070	4370	5907	6991	8819	10681	12239	14494	17362	20075	21911
20°	3829	5357	7527	9803	12119	14454	16875	19973	23855	27159	30145
17.5°	5377	6993	9930	13026	16169	18663	22486	26202	30932	35726	39439
15°	7668	10272	13210	17226	21647	25464	29518	36039	41793	47955	53460
12.5°	10607	14059	17953	22571	28365	34355	40538	47421	54947	62348	70205
10°	13352	18095	23123	28806	35436	43001	50554	58354	68812	78290	86692
7.5°	15247	20833	27004	33950	42134	50179	58713	69317	81535	92283	100893
5°	16948	23279	29441	36462	45977	55173	65255	78163	92071	103857	112438
2.5°	18430	25242	31226	38300	48747	58315	69324	84707	100909	112715	121769
0°	19649	26297	32236	39523	50568	60422	71717	88824	107474	119401	128103
-2.5°	18469	24500	30363	37742	48874	58966	71173	88574	106877	119740	128726
-5°	17578	23085	28651	35953	45743	55101	66557	84452	103717	116714	125806
-7.5°	16887	21694	26754	33478	42434	52357	64640	81905	100110	113255	121493
-10°	16134	20263	25778	32555	41264	50725	61636	77608	96001	108649	118298
-12.5°	15905	20265	25819	31704	39715	48800	59203	72807	86906	100168	108630
-15°	15535	19959	25395	30930	38193	46943	55627	65681	77464	87047	95887
-17.5°	14809	19061	23147	28318	35387	43499	50079	57986	66487	73795	80462
-20°	13073	15965	19837	24714	30771	37340	43331	49036	54499	60066	63923



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10003	12780	16027	20078	24880	30604	35899	39762	44108	48117	51413
-25°	7315	9350	12380	15837	18971	23555	27618	30228	34043	37039	39892
-27.5°	5290	7283	9754	12485	14835	17298	20884	23376	26376	28674	31054
-30°	3611	5805	8082	10316	12104	13965	15952	18410	20819	22749	24468
-32.5°	2504	4094	6320	8401	10017	11436	12742	14609	16411	17983	19271
-35°	1534	2662	4203	6185	7893	9257	10461	11650	12804	13986	14982
-37.5°	1298	1567	2528	3893	5519	7037	8217	9199	10069	10969	11677
-40°	1147	1308	1549	2049	3300	4561	5833	6890	7848	8645	9266
-42.5°	1048	1155	1273	1469	1700	2319	3413	4479	5518	6389	7118
-45°	1017	1071	1134	1239	1335	1523	1726	1937	2762	3638	4410
-47.5°	946	1033	1091	1136	1189	1274	1352	1452	1641	1829	1983
-50°	853	948	1027	1105	1159	1196	1225	1276	1352	1425	1484
-52.5°	740	832	925	1018	1096	1167	1235	1281	1316	1347	1362
-55°	638	714	792	886	979	1069	1156	1229	1298	1362	1398
-57.5°	537	603	672	757	840	921	1005	1090	1173	1250	1295
-60°	442	500	563	631	703	778	850	922	993	1057	1094
-62.5°	348	397	448	502	559	618	678	738	799	849	881
-65°	253	293	332	371	411	456	503	549	594	629	652
-67.5°	177	203	227	250	278	310	344	377	409	433	449
-70°	120	134	148	163	181	200	220	239	258	272	282
-72.5°	77	86	95	106	116	127	138	149	159	167	172
-75°	41	47	54	61	68	76	84	92	99	103	105
-77.5°	25	29	32	35	38	42	47	52	57	59	61
-80°	17	18	20	22	23	26	29	31	34	35	35
-82.5°	12	12	13	14	14	16	18	19	21	22	23
-85°	9	9	9	10	10	10	11	12	13	14	15
-87.5°	8	8	8	8	8	8	8	8	8	9	9
-90°	4	4	4	4	4	4	4	4	4	4	3



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11	12	11	10	11	12	11	10	9	8	7
87.5°	3	2	1	0	1	2	3	3	4	4	4
85°	3	2	2	2	2	2	3	3	4	4	4
82.5°	3	2	2	2	2	2	3	3	4	4	4
80°	3	2	2	2	2	2	3	3	4	4	4
77.5°	3	2	3	4	3	2	3	3	4	4	5
75°	4	4	4	4	4	4	4	5	5	6	6
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	8	8	8	8	8	8	8	8	8	8	8
67.5°	11	12	12	12	12	12	11	10	10	10	11
65°	16	17	17	16	17	17	16	14	12	12	13
62.5°	16	18	18	18	18	18	16	15	14	13	14
60°	15	16	16	16	16	16	15	15	14	14	14
57.5°	15	16	16	16	16	16	15	15	14	14	14
55°	15	16	16	16	16	16	15	14	14	14	15
52.5°	17	18	18	18	18	18	17	17	16	16	15
50°	22	23	22	20	22	23	22	21	20	20	19
47.5°	30	29	28	28	28	29	30	30	29	27	24
45°	48	48	47	48	47	48	48	48	46	43	40
42.5°	87	87	86	84	86	87	87	84	81	70	58
40°	203	186	163	149	163	186	203	203	192	156	141
37.5°	457	470	471	462	471	470	457	436	413	380	347
35°	868	899	901	885	901	899	868	817	737	632	606
32.5°	1469	1538	1565	1558	1565	1538	1469	1471	1342	1184	1088
30°	3016	3037	2822	2429	2822	3037	3016	3260	2735	2515	2186
27.5°	8764	9572	9866	9737	9866	9572	8764	8084	6832	5914	4484
25°	15601	16134	16666	16728	16666	16134	15601	15161	13626	11194	9060
22.5°	23182	23940	24659	24494	24659	23940	23182	21911	20075	17362	14494
20°	32042	32564	33095	32508	33095	32564	32042	30145	27159	23855	19973
17.5°	43329	45788	47972	46984	47972	45788	43329	39439	35726	30932	26202
15°	58644	62924	65435	65302	65435	62924	58644	53460	47955	41793	36039
12.5°	76291	80765	83327	82797	83327	80765	76291	70205	62348	54947	47421
10°	92214	95726	98771	99963	98771	95726	92214	86692	78290	68812	58354
7.5°	106277	108894	111433	111887	111433	108894	106277	100893	92283	81535	69317
5°	117854	121562	122997	123567	122997	121562	117854	112438	103857	92071	78163
2.5°	127198	130589	132385	131855	132385	130589	127198	121769	112715	100909	84707
0°	132565	135250	136716	136366	136716	135250	132565	128103	119401	107474	88824
-2.5°	133094	134899	136046	135596	136046	134899	133094	128726	119740	106877	88574
-5°	129434	130903	131506	131763	131506	130903	129434	125806	116714	103717	84452
-7.5°	124390	126364	126064	126583	126064	126364	124390	121493	113255	100110	81905
-10°	121387	123208	122944	123084	122944	123208	121387	118298	108649	96001	77608
-12.5°	114099	116743	117149	117604	117149	116743	114099	108630	100168	86906	72807
-15°	101689	104595	106352	106747	106352	104595	101689	95887	87047	77464	65681
-17.5°	86006	90024	92849	93506	92849	90024	86006	80462	73795	66487	57986
-20°	68632	71509	72972	73761	72972	71509	68632	63923	60066	54499	49036



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	54020	55919	56735	56868	56735	55919	54020	51413	48117	44108	39762
-25°	42202	43497	44052	44872	44052	43497	42202	39892	37039	34043	30228
-27.5°	32750	33889	34397	35151	34397	33889	32750	31054	28674	26376	23376
-30°	25628	26314	26485	26522	26485	26314	25628	24468	22749	20819	18410
-32.5°	20272	21044	21505	21711	21505	21044	20272	19271	17983	16411	14609
-35°	15728	16237	16540	16881	16540	16237	15728	14982	13986	12804	11650
-37.5°	12228	12605	12814	12885	12814	12605	12228	11677	10969	10069	9199
-40°	9760	10135	10360	10394	10360	10135	9760	9266	8645	7848	6890
-42.5°	7673	8140	8442	8511	8442	8140	7673	7118	6389	5518	4479
-45°	4974	5409	5639	5625	5639	5409	4974	4410	3638	2762	1937
-47.5°	2081	2151	2181	2172	2181	2151	2081	1983	1829	1641	1452
-50°	1531	1571	1593	1598	1593	1571	1531	1484	1425	1352	1276
-52.5°	1375	1390	1395	1395	1395	1390	1375	1362	1347	1316	1281
-55°	1432	1464	1476	1476	1476	1464	1432	1398	1362	1298	1229
-57.5°	1336	1372	1388	1393	1388	1372	1336	1295	1250	1173	1090
-60°	1127	1156	1169	1172	1169	1156	1127	1094	1057	993	922
-62.5°	907	929	936	934	936	929	907	881	849	799	738
-65°	671	686	687	681	687	686	671	652	629	594	549
-67.5°	462	472	472	468	472	472	462	449	433	409	377
-70°	291	299	299	297	299	299	291	282	272	258	239
-72.5°	177	181	185	187	185	181	177	172	167	159	149
-75°	107	109	108	108	108	109	107	105	103	99	92
-77.5°	62	63	66	68	66	63	62	61	59	57	52
-80°	36	36	37	38	37	36	36	35	35	34	31
-82.5°	25	26	26	26	26	26	25	23	22	21	19
-85°	15	16	17	18	17	16	15	15	14	13	12
-87.5°	10	10	10	10	10	10	10	9	9	8	8
-90°	2	2	1	0	1	2	3	3	4	4	4



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7	7	6	6	6	6	6	6	6	6	6
87.5°	4	4	4	4	4	4	4	5	5	6	6
85°	4	4	4	4	5	5	5	5	6	6	6
82.5°	4	4	4	5	5	6	6	6	6	6	6
80°	5	5	5	5	6	6	6	6	6	6	6
77.5°	5	6	6	6	6	6	6	7	7	7	7
75°	6	6	6	6	6	6	6	7	7	8	8
72.5°	7	7	7	7	7	8	8	8	8	8	8
70°	9	9	10	10	10	11	11	11	11	11	10
67.5°	11	12	14	15	16	16	16	15	14	14	13
65°	13	14	15	17	18	20	23	23	22	19	15
62.5°	15	16	16	17	18	21	27	31	32	28	21
60°	14	14	15	16	17	23	32	38	42	35	27
57.5°	14	14	15	15	16	24	34	45	52	41	31
55°	16	16	15	16	16	24	33	44	51	44	33
52.5°	14	15	16	16	17	23	30	41	44	39	32
50°	18	18	17	17	19	21	27	35	35	33	28
47.5°	23	23	22	21	21	22	25	29	31	28	24
45°	38	34	28	29	28	26	25	29	31	29	22
42.5°	64	59	49	46	41	38	34	36	37	34	30
40°	140	107	100	83	70	57	52	47	47	44	43
37.5°	307	265	231	173	137	95	79	66	59	63	61
35°	547	496	458	381	268	204	123	95	88	93	85
32.5°	840	850	773	672	582	408	262	143	158	149	123
30°	1865	1709	1283	1301	1301	833	484	378	282	233	177
27.5°	4332	3826	2937	2616	2601	1860	1119	772	494	365	269
25°	8038	7181	5734	4780	4304	3282	2061	1459	940	528	368
22.5°	12239	10681	8819	6991	5907	4370	3070	2302	1441	756	487
20°	16875	14454	12119	9803	7527	5357	3829	3139	2105	1068	601
17.5°	22486	18663	16169	13026	9930	6993	5377	4227	2938	1330	705
15°	29518	25464	21647	17226	13210	10272	7668	5667	3924	1830	939
12.5°	40538	34355	28365	22571	17953	14059	10607	7677	5076	2722	1321
10°	50554	43001	35436	28806	23123	18095	13352	9269	6078	3624	1738
7.5°	58713	50179	42134	33950	27004	20833	15247	10599	6926	4437	2173
5°	65255	55173	45977	36462	29441	23279	16948	11797	7625	5151	2603
2.5°	69324	58315	48747	38300	31226	25242	18430	12831	8216	5711	2978
0°	71717	60422	50568	39523	32236	26297	19649	13646	8695	6136	3305
-2.5°	71173	58966	48874	37742	30363	24500	18469	13340	9147	6229	3184
-5°	66557	55101	45743	35953	28651	23085	17578	13094	9389	6178	3000
-7.5°	64640	52357	42434	33478	26754	21694	16887	12939	9389	6093	3040
-10°	61636	50725	41264	32555	25778	20263	16134	12625	9195	5833	2969
-12.5°	59203	48800	39715	31704	25819	20265	15905	12233	8798	5396	2765
-15°	55627	46943	38193	30930	25395	19959	15535	11760	7945	4678	2417
-17.5°	50079	43499	35387	28318	23147	19061	14809	10675	6752	3750	1866
-20°	43331	37340	30771	24714	19837	15965	13073	8968	5415	2958	1655



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35899	30604	24880	20078	16027	12780	10003	6762	3912	2092	1433
-25°	27618	23555	18971	15837	12380	9350	7315	4937	2872	1544	1214
-27.5°	20884	17298	14835	12485	9754	7283	5290	3335	1853	1320	1074
-30°	15952	13965	12104	10316	8082	5805	3611	2240	1419	1131	974
-32.5°	12742	11436	10017	8401	6320	4094	2504	1455	1183	1032	933
-35°	10461	9257	7893	6185	4203	2662	1534	1242	1059	956	908
-37.5°	8217	7037	5519	3893	2528	1567	1298	1109	978	928	858
-40°	5833	4561	3300	2049	1549	1308	1147	1016	958	884	795
-42.5°	3413	2319	1700	1469	1273	1155	1048	991	917	821	710
-45°	1726	1523	1335	1239	1134	1071	1017	937	846	737	618
-47.5°	1352	1274	1189	1136	1091	1033	946	857	753	645	546
-50°	1225	1196	1159	1105	1027	948	853	754	658	566	475
-52.5°	1235	1167	1096	1018	925	832	740	657	573	489	408
-55°	1156	1069	979	886	792	714	638	563	487	410	347
-57.5°	1005	921	840	757	672	603	537	469	405	346	288
-60°	850	778	703	631	563	500	442	385	332	280	229
-62.5°	678	618	559	502	448	397	348	301	257	213	175
-65°	503	456	411	371	332	293	253	219	188	157	125
-67.5°	344	310	278	250	227	203	177	150	130	113	94
-70°	220	200	181	163	148	134	120	105	90	77	64
-72.5°	138	127	116	106	95	86	77	66	56	46	37
-75°	84	76	68	61	54	47	41	37	33	28	24
-77.5°	47	42	38	35	32	29	25	22	20	18	17
-80°	29	26	23	22	20	18	17	15	14	14	13
-82.5°	18	16	14	14	13	12	12	11	11	11	11
-85°	11	10	10	10	9	9	9	9	9	9	9
-87.5°	8	8	8	8	8	8	8	8	8	7	7
-90°	4	4	4	4	4	4	4	5	5	6	6



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7	7	8	8	8	8	8	8	8	8	8
87.5°	6	7	7	7	7	8	8	8	8	8	8
85°	7	7	8	8	8	8	8	8	8	8	8
82.5°	7	7	8	8	8	8	8	8	8	8	8
80°	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	9	9	8	8	8	8	8
70°	9	8	8	8	9	9	9	9	9	9	9
67.5°	11	10	9	9	9	9	10	10	9	9	9
65°	13	12	10	9	9	9	10	10	10	10	10
62.5°	17	14	12	10	10	10	10	10	10	10	10
60°	20	16	14	12	11	10	10	10	10	10	10
57.5°	22	16	15	13	12	11	10	10	10	10	10
55°	23	17	16	14	13	11	10	10	10	10	10
52.5°	23	18	17	15	14	12	11	10	10	10	10
50°	20	19	18	16	14	13	12	11	10	10	10
47.5°	20	20	19	17	15	14	13	11	10	10	10
45°	23	22	21	18	16	14	13	12	11	10	10
42.5°	28	26	23	20	18	15	14	12	11	10	10
40°	39	33	27	25	20	16	14	13	12	11	10
37.5°	52	44	35	35	25	18	15	14	12	11	10
35°	72	58	51	49	37	21	16	14	13	12	11
32.5°	95	85	79	66	54	24	18	15	14	12	11
30°	139	133	114	85	73	39	21	16	15	13	11
27.5°	208	193	158	116	90	58	25	18	15	13	12
25°	281	257	217	157	109	77	29	19	16	14	12
22.5°	369	317	282	201	132	97	39	22	18	15	12
20°	450	374	352	245	166	116	55	26	19	15	13
17.5°	528	451	406	297	202	137	70	29	20	16	13
15°	676	558	469	350	237	160	85	33	21	17	13
12.5°	845	671	543	403	269	184	100	36	22	17	14
10°	1021	788	623	454	300	208	113	41	24	18	14
7.5°	1198	906	706	503	333	245	144	48	26	18	14
5°	1360	1018	795	580	397	296	178	56	28	19	14
2.5°	1461	1115	879	656	460	345	212	63	30	19	14
0°	1546	1203	956	727	520	390	243	70	32	20	14
-2.5°	1547	1206	982	795	587	440	281	90	44	25	16
-5°	1535	1202	1005	856	648	485	314	109	55	30	18
-7.5°	1565	1215	1027	904	704	525	341	127	65	35	19
-10°	1585	1230	1040	902	704	536	356	142	74	39	21
-12.5°	1579	1234	1049	890	690	522	343	152	82	42	22
-15°	1542	1223	1052	868	669	505	326	160	89	46	23
-17.5°	1452	1197	1050	836	642	486	308	164	93	49	25
-20°	1316	1138	1035	792	609	464	289	167	96	51	27



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1189	1066	952	749	574	441	269	166	97	52	28
-25°	1061	999	866	692	543	411	258	163	96	51	29
-27.5°	974	929	788	634	506	383	252	161	94	49	29
-30°	911	845	719	578	464	346	244	156	91	48	28
-32.5°	873	774	651	529	420	307	224	148	87	47	28
-35°	819	708	585	477	375	278	201	137	80	46	27
-37.5°	761	639	525	425	329	248	179	121	72	43	26
-40°	682	569	465	375	291	214	156	106	66	39	24
-42.5°	600	503	412	327	252	188	133	90	59	36	21
-45°	527	439	359	284	213	160	114	75	52	33	19
-47.5°	455	381	310	241	182	133	95	66	44	29	18
-50°	392	326	263	204	151	112	78	56	38	24	17
-52.5°	337	276	220	168	126	90	67	46	32	21	15
-55°	285	228	178	137	102	75	55	39	25	19	14
-57.5°	233	180	143	109	82	61	44	30	21	16	13
-60°	181	143	110	87	66	49	34	24	19	14	13
-62.5°	139	108	87	68	51	37	25	20	16	14	12
-65°	104	84	66	51	37	26	21	17	14	13	12
-67.5°	76	61	46	33	26	21	17	15	14	13	12
-70°	50	38	30	25	20	16	15	14	13	12	11
-72.5°	31	26	21	18	16	15	14	14	13	12	10
-75°	20	18	17	15	15	14	13	13	12	11	10
-77.5°	16	15	14	14	13	13	13	12	11	11	10
-80°	13	13	13	13	12	12	12	11	11	10	10
-82.5°	11	11	11	11	11	11	11	11	10	10	10
-85°	9	10	10	10	10	10	10	10	10	9	9
-87.5°	8	8	9	9	9	9	9	9	9	9	9
-90°	6	6	6	6	7	7	8	8	8	8	8



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8	8	8	8	8	8	8
87.5°	8	8	8	8	8	8	8
85°	8	8	8	8	8	8	8
82.5°	8	8	8	8	8	8	8
80°	8	8	8	8	8	8	8
77.5°	8	8	8	8	8	8	8
75°	8	8	8	8	8	8	8
72.5°	8	8	8	8	8	8	8
70°	8	8	8	8	8	8	8
67.5°	9	8	8	8	8	8	8
65°	9	8	8	8	8	8	8
62.5°	9	9	8	8	8	8	8
60°	10	9	8	8	8	8	8
57.5°	10	9	8	8	8	8	8
55°	10	10	9	8	8	8	8
52.5°	10	10	9	8	8	8	8
50°	10	10	9	8	8	8	8
47.5°	10	10	9	8	8	8	8
45°	10	10	10	8	8	8	8
42.5°	10	10	10	8	8	8	8
40°	10	10	10	9	8	8	8
37.5°	10	10	10	9	8	8	8
35°	10	10	10	9	8	8	8
32.5°	10	10	10	9	8	8	8
30°	10	10	10	9	8	8	8
27.5°	10	10	10	9	8	8	8
25°	11	10	10	9	8	8	8
22.5°	11	10	10	9	8	8	8
20°	11	10	10	9	8	8	8
17.5°	11	10	10	9	8	8	8
15°	12	10	10	9	8	8	8
12.5°	12	10	10	9	8	8	8
10°	12	10	10	8	8	8	8
7.5°	12	10	10	8	8	8	8
5°	12	10	10	8	8	8	8
2.5°	12	10	10	8	8	8	8
0°	12	10	10	8	8	8	8
-2.5°	13	10	10	8	8	8	8
-5°	14	11	10	8	8	8	8
-7.5°	14	11	10	8	8	8	8
-10°	15	12	10	8	8	8	8
-12.5°	15	12	10	9	8	8	8
-15°	16	12	10	9	8	8	8
-17.5°	16	12	10	9	8	8	8
-20°	17	12	10	9	8	8	8



REPORT NUMBER: P1306318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)