

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: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-3S-CV2-A**

Issue Date: 2/3/2026

Test Information

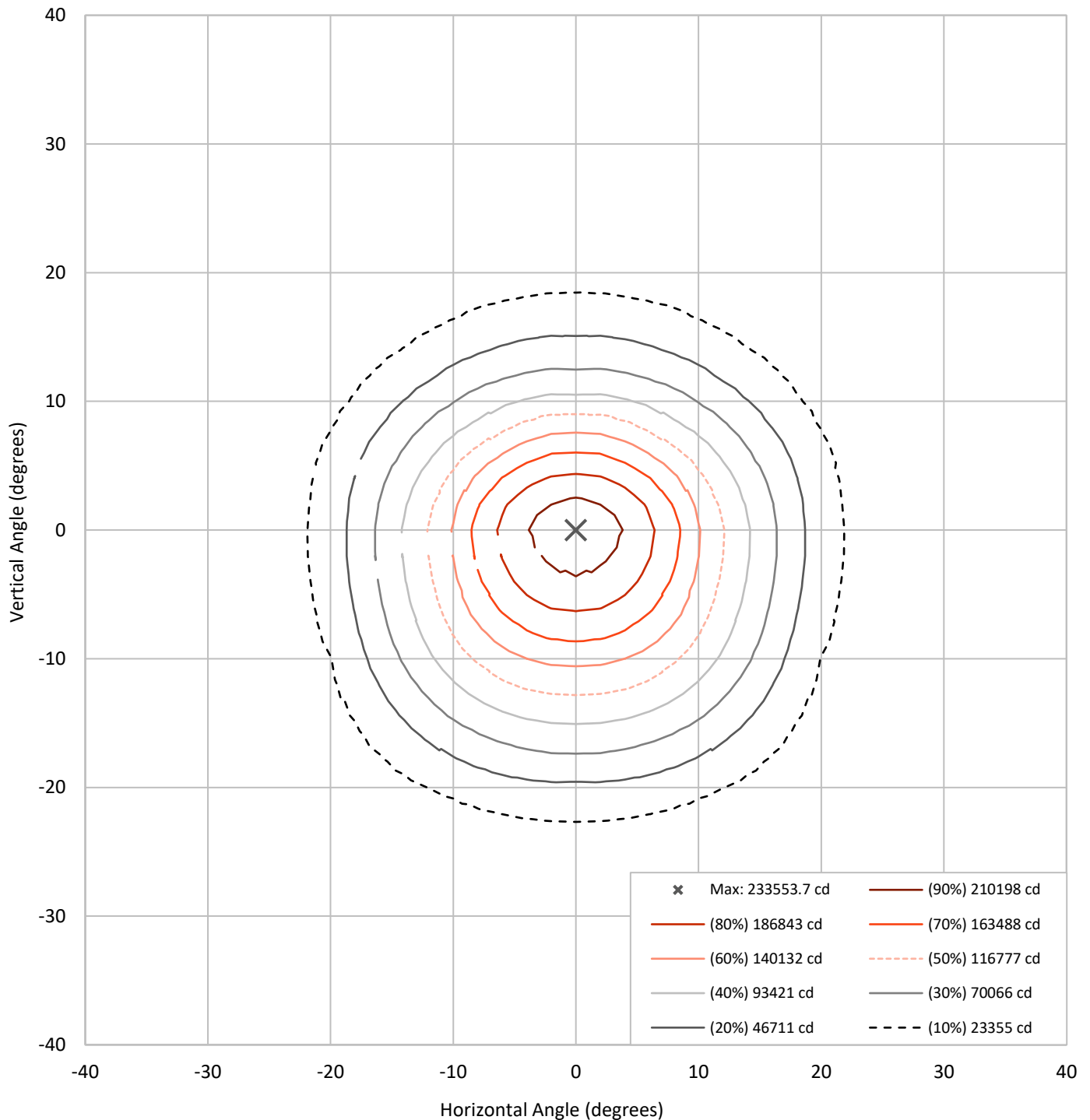
Test Method: LM-79-08
Report Number: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-70-3S-CV2-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	46100.7 lumens	Max Intensity:	233553.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	20888.9 lumens	Field Lumens:	39530.5 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
Input Watts (W):	334		
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





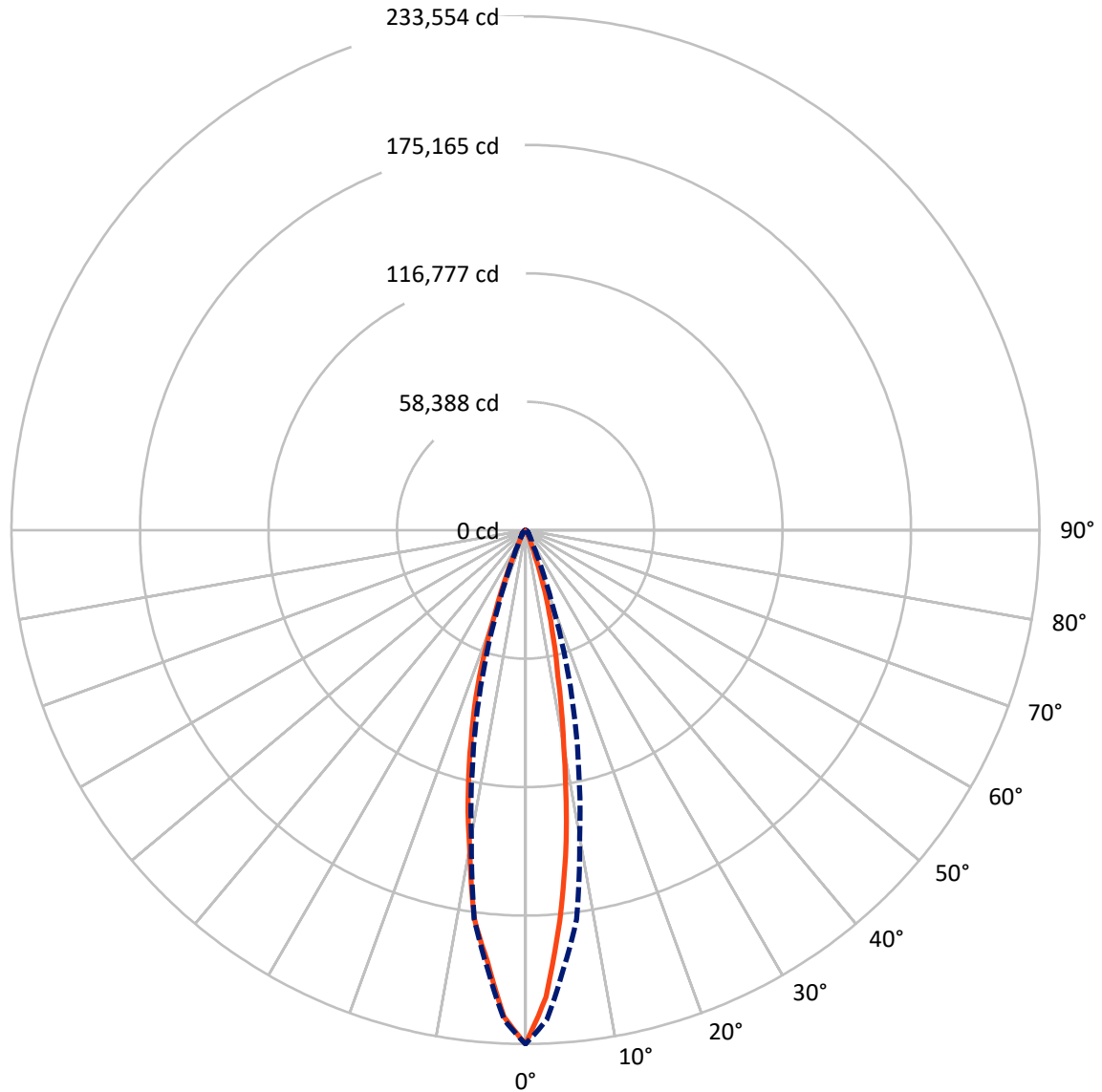
REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.1	0.4		0.5		0.4		0.3		0.4		0.5		0.4		0.1			
80	0.1	0.4		0.5		0.4		0.3		0.4		0.5		0.4		0.1			
70	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.2	0.1	0.3	0.3	0.4	0.6	0.8	0.9	0.9	0.8	0.6	0.4	0.3	0.3	0.1	0.2			
40		0.1	0.6	1.3	2.5	3.9	4.9	6.0	6.0	4.9	3.9	2.5	1.3	0.6	0.1				
30	0.2	0.3	1.9	6.1	16.1	27.6	63.4	132.4	132.4	63.4	27.6	16.1	6.1	1.9	0.3	0.2			
20		0.6	4.5	16.3	40.4	110.7	581.8	1365.9	1365.9	581.8	110.7	40.4	16.3	4.5	0.6				
10	0.2	1.2	8.0	30.6	73.9	333.2	2008.1	4593.7	4593.7	2008.1	333.2	73.9	30.6	8.0	1.2	0.2			
0		2.0	10.6	37.0	84.8	359.6	2317.4	5222.1	5222.1	2317.4	359.6	84.8	37.0	10.6	2.0				
-10	0.4	2.4	10.8	35.2	77.9	209.6	1184.9	2594.3	2594.3	1184.9	209.6	77.9	35.2	10.8	2.4	0.4			
-20		2.2	9.0	23.0	53.6	94.6	217.3	442.6	442.6	217.3	94.6	53.6	23.0	9.0	2.2				
-30	0.3	1.9	6.5	14.1	31.1	55.6	77.0	93.1	93.1	77.0	55.6	31.1	14.1	6.5	1.9	0.3			
-40		1.3	4.5	9.9	17.9	30.7	49.9	64.9	64.9	49.9	30.7	17.9	9.9	4.5	1.3				
-50	0.2	0.6	2.8	6.5	11.7	17.6	22.9	26.3	26.3	22.9	17.6	11.7	6.5	2.8	0.6	0.2			
-60		0.2	1.1	3.3	6.6	10.5	14.5	16.9	16.9	14.5	10.5	6.6	3.3	1.1	0.2				
-70	0.1	0.6		2.3		6.4		9.1		6.4		2.3		0.6		0.1			
-80		0.6		2.3		6.4		9.1		6.4		2.3		0.6					
-90	0.1	0.6		2.3		6.4		9.1		6.4		2.3		0.6		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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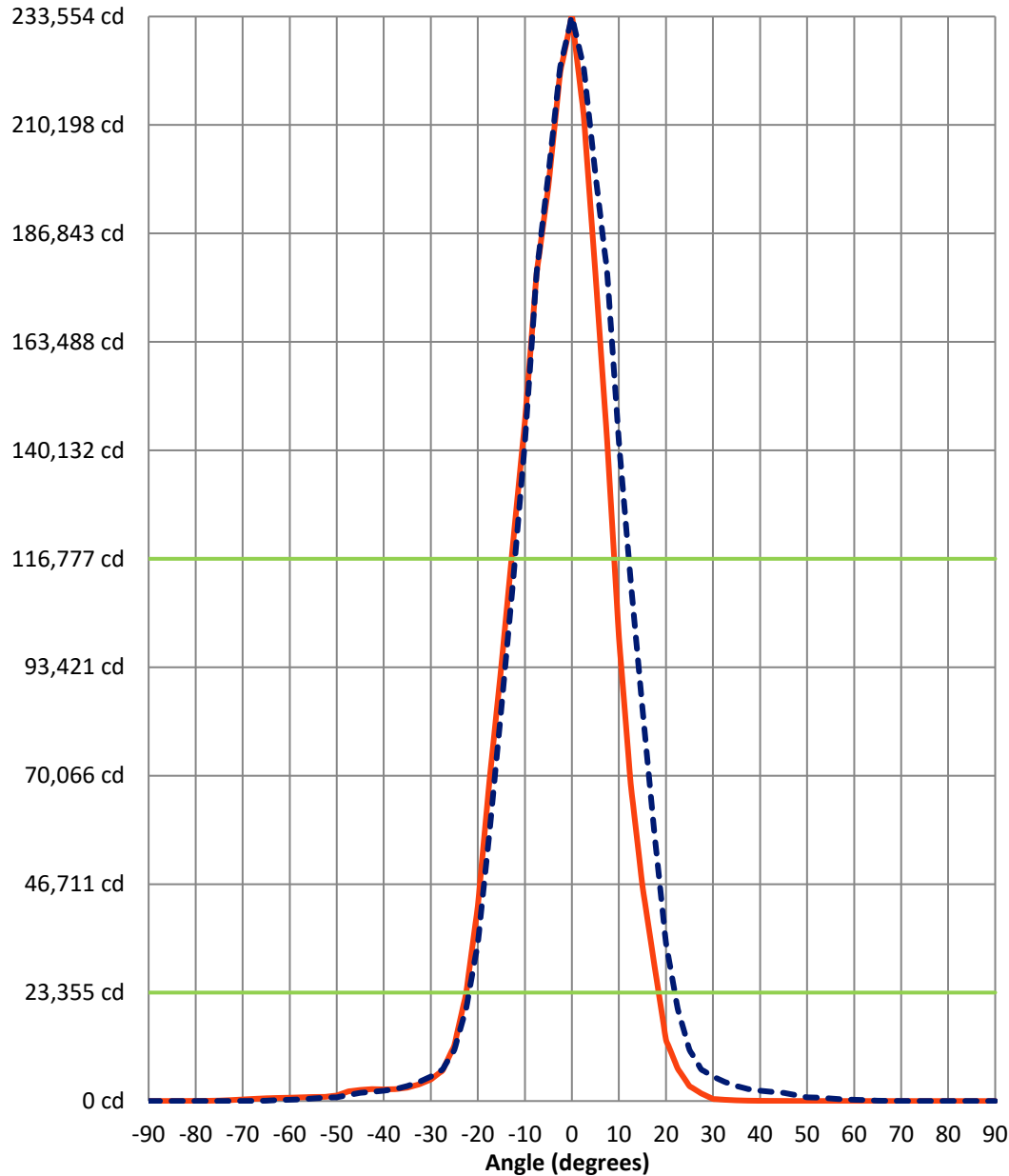
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 20888.9
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 39530.5
 Efficiency: 85.7%

Spill:
 Lumens: 6570.2
 Efficiency: 14.3%

— 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°	6	6	6	6	6	6	6	6	7	7	7
87.5°	6	6	6	6	6	6	6	6	6	6	6
85°	6	6	6	6	6	6	6	6	6	6	6
82.5°	6	6	6	6	6	6	6	6	6	6	6
80°	6	6	6	6	6	6	6	6	6	6	6
77.5°	6	6	7	7	7	6	6	6	6	6	6
75°	6	6	7	7	7	7	7	7	7	6	6
72.5°	6	6	7	7	7	7	7	7	7	6	6
70°	6	6	7	7	7	7	7	7	7	6	6
67.5°	6	6	7	7	7	7	7	7	7	6	6
65°	6	6	7	7	7	7	7	7	7	7	6
62.5°	6	6	7	7	7	7	7	7	7	7	7
60°	6	6	7	7	7	7	7	7	7	7	7
57.5°	6	6	7	7	7	7	7	7	7	7	7
55°	6	6	7	7	7	7	7	7	7	7	7
52.5°	6	6	7	7	7	7	7	7	7	7	7
50°	6	6	7	7	7	7	7	7	7	7	8
47.5°	6	6	7	7	7	7	7	7	7	7	8
45°	6	6	7	7	7	7	7	7	7	8	9
42.5°	6	6	7	7	7	7	7	8	7	8	9
40°	6	6	7	7	7	7	8	8	8	8	9
37.5°	6	6	7	7	7	7	8	8	8	9	10
35°	6	6	7	7	7	7	8	8	8	9	10
32.5°	6	6	7	7	7	7	8	8	9	10	11
30°	6	6	7	7	7	8	8	8	9	10	12
27.5°	6	6	7	7	7	8	8	8	9	11	13
25°	6	6	7	7	7	8	8	8	10	12	15
22.5°	6	6	7	7	7	8	8	9	10	13	18
20°	6	6	7	7	7	8	8	9	11	14	21
17.5°	6	6	7	7	7	8	8	9	11	16	24
15°	6	6	7	7	7	8	9	9	12	17	27
12.5°	6	6	7	7	7	8	9	10	13	19	29
10°	6	6	7	7	7	8	9	10	15	22	34
7.5°	6	6	7	7	7	8	9	10	16	25	44
5°	6	6	7	7	7	8	9	10	18	28	54
2.5°	6	6	7	7	7	8	9	11	19	31	64
0°	6	6	7	7	7	8	10	11	20	34	73
-2.5°	6	6	7	7	7	8	11	14	27	45	89
-5°	6	6	7	7	7	8	11	18	33	55	104
-7.5°	6	6	7	7	7	8	12	21	39	65	117
-10°	6	6	7	7	7	8	13	24	45	74	129
-12.5°	6	6	7	7	7	8	14	26	50	82	137
-15°	6	6	7	7	7	8	14	28	54	89	143
-17.5°	6	6	7	7	7	8	14	30	58	94	147
-20°	6	6	7	7	7	8	14	32	60	98	150



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6	6	7	7	7	8	15	32	62	101	150
-25°	6	6	7	7	7	8	15	32	62	103	149
-27.5°	6	6	7	7	7	8	14	31	62	104	150
-30°	6	6	7	7	7	8	13	30	60	103	150
-32.5°	6	6	7	7	7	8	12	28	58	100	149
-35°	6	6	7	7	7	8	12	27	55	95	145
-37.5°	6	6	7	7	7	8	12	25	50	89	134
-40°	6	6	7	7	8	8	11	22	44	82	122
-42.5°	6	6	7	7	8	8	11	18	39	72	109
-45°	6	6	6	7	8	8	10	15	34	61	95
-47.5°	6	6	6	7	8	8	10	14	28	50	82
-50°	6	6	6	7	8	8	9	13	21	41	68
-52.5°	6	6	6	7	8	8	9	12	17	32	53
-55°	6	6	6	7	8	8	9	11	15	23	43
-57.5°	6	6	6	7	8	8	9	10	13	19	31
-60°	6	6	6	7	8	8	9	10	12	16	22
-62.5°	6	6	6	7	7	8	9	10	11	13	18
-65°	6	6	6	7	7	8	9	10	11	12	15
-67.5°	6	6	6	6	7	8	9	9	10	11	13
-70°	6	6	6	6	7	8	8	9	10	10	12
-72.5°	6	6	6	6	7	7	8	9	9	10	10
-75°	6	6	6	6	7	7	8	8	8	9	10
-77.5°	6	6	6	6	6	7	8	8	8	8	9
-80°	6	6	6	6	6	7	7	7	8	8	8
-82.5°	6	6	6	6	6	7	7	7	7	7	8
-85°	6	6	6	6	6	6	7	7	7	7	7
-87.5°	6	6	6	6	6	6	6	7	7	7	7
-90°	6	6	6	6	6	6	6	6	6	6	6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7	7	6	6	6	6	6	6	6	5	5
87.5°	6	5	5	5	5	5	5	5	5	4	4
85°	6	5	5	5	5	5	5	5	5	4	4
82.5°	6	6	6	6	6	5	5	5	5	4	4
80°	6	6	6	6	6	5	5	5	5	4	4
77.5°	6	6	6	6	6	5	5	5	5	4	4
75°	6	6	6	6	6	6	5	5	5	5	5
72.5°	6	6	6	6	6	6	6	6	6	6	6
70°	6	6	6	6	6	6	7	7	8	8	10
67.5°	6	6	6	6	6	7	8	11	15	17	18
65°	7	7	7	7	7	9	13	18	23	24	24
62.5°	7	7	7	8	10	13	18	23	29	28	24
60°	7	7	8	10	12	17	22	25	27	27	22
57.5°	7	8	9	12	16	19	20	22	23	24	19
55°	8	9	11	14	17	17	17	18	19	18	14
52.5°	8	10	13	16	16	15	14	15	14	12	10
50°	9	11	14	16	16	14	12	12	11	10	9
47.5°	10	12	15	16	15	13	12	11	11	11	10
45°	11	13	16	16	15	14	14	12	14	14	14
42.5°	11	14	16	16	16	17	17	17	18	20	21
40°	11	14	17	18	19	21	23	25	25	28	29
37.5°	12	15	19	24	23	27	30	37	39	36	41
35°	12	17	26	32	33	34	44	54	60	54	60
32.5°	13	20	34	43	50	51	61	81	91	93	94
30°	16	28	44	56	71	83	92	115	132	173	207
27.5°	20	37	57	76	98	120	142	160	214	292	378
25°	24	51	71	100	133	165	195	220	325	484	591
22.5°	31	67	91	127	173	215	251	318	465	700	815
20°	43	84	115	159	217	266	309	420	634	855	997
17.5°	56	102	142	200	273	328	372	519	799	1010	1154
15°	70	120	168	244	335	403	492	673	944	1161	1339
12.5°	84	139	194	291	402	479	639	901	1143	1333	1598
10°	99	157	219	339	470	555	800	1127	1360	1556	1861
7.5°	127	183	245	387	539	630	970	1346	1564	1763	2085
5°	157	216	287	446	607	698	1127	1556	1755	1955	2274
2.5°	186	248	327	504	671	753	1221	1672	1879	2104	2436
0°	213	279	365	557	730	804	1297	1770	1983	2229	2577
-2.5°	235	309	401	587	750	834	1313	1806	2037	2301	2645
-5°	253	337	435	612	766	860	1310	1819	2082	2355	2706
-7.5°	267	362	465	629	774	872	1306	1836	2131	2391	2757
-10°	275	372	471	627	772	875	1278	1826	2171	2418	2772
-12.5°	267	369	469	619	767	874	1215	1786	2204	2436	2743
-15°	257	364	463	606	758	870	1117	1716	2187	2370	2656
-17.5°	247	356	451	587	747	864	972	1538	2022	2256	2562
-20°	236	347	434	562	732	830	903	1313	1786	2115	2397



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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°	225	335	416	540	675	775	853	1083	1541	1941	2152
-25°	219	318	400	498	615	719	795	876	1286	1670	1935
-27.5°	216	302	378	457	558	659	731	809	1033	1397	1714
-30°	211	281	354	420	509	597	668	747	838	1131	1424
-32.5°	200	260	329	393	464	541	619	697	774	881	1150
-35°	186	242	304	365	421	495	573	650	716	784	933
-37.5°	175	222	280	337	390	454	526	600	667	729	813
-40°	162	202	257	311	361	415	480	547	616	688	754
-42.5°	149	187	233	285	332	382	433	495	564	640	708
-45°	133	171	209	256	302	348	396	445	512	580	652
-47.5°	117	154	190	228	271	313	358	408	460	523	586
-50°	100	135	170	205	242	280	319	369	419	468	523
-52.5°	83	116	149	182	215	249	287	331	378	424	469
-55°	66	96	127	158	190	221	257	297	337	381	423
-57.5°	51	74	103	133	163	193	229	263	300	339	376
-60°	37	55	78	106	135	165	200	234	266	296	332
-62.5°	24	39	56	77	103	133	165	198	234	262	290
-65°	20	25	37	53	70	96	124	155	186	214	244
-67.5°	15	20	24	30	45	62	80	106	133	156	180
-70°	13	15	19	23	26	33	48	64	79	94	114
-72.5°	12	14	15	17	20	24	27	31	40	51	62
-75°	11	12	13	15	17	18	20	23	26	28	31
-77.5°	9	10	11	13	14	15	16	17	19	20	22
-80°	8	9	10	11	11	12	12	13	14	15	16
-82.5°	8	8	8	9	9	9	9	9	10	10	11
-85°	7	7	7	8	8	8	8	8	8	8	8
-87.5°	7	7	7	7	7	7	7	7	7	6	6
-90°	6	5	5	5	5	5	5	5	5	4	4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5	5	5	5	5	5	5	6	6	7	8
87.5°	4	3	3	3	2	2	2	2	1	1	1
85°	4	3	3	3	2	2	2	2	1	1	1
82.5°	4	3	3	3	3	3	3	3	2	2	2
80°	4	4	4	4	4	3	3	3	2	2	2
77.5°	4	4	4	4	4	3	3	3	2	2	2
75°	5	5	4	4	4	3	3	3	2	2	2
72.5°	6	6	5	6	6	5	5	5	4	4	5
70°	11	12	12	11	10	9	8	7	6	6	6
67.5°	17	17	16	14	12	10	9	8	7	7	7
65°	22	18	16	13	12	10	9	8	7	6	6
62.5°	20	16	13	11	10	9	8	7	6	5	5
60°	17	13	10	8	7	6	6	5	5	5	5
57.5°	14	10	7	7	6	5	5	5	5	5	5
55°	10	8	7	7	7	6	6	6	6	6	6
52.5°	8	8	8	8	8	7	7	7	7	7	8
50°	9	9	9	9	9	9	8	9	9	10	10
47.5°	10	11	11	11	11	11	11	11	13	14	15
45°	13	15	16	16	16	18	18	19	22	24	24
42.5°	21	23	25	26	26	30	35	38	38	37	38
40°	32	34	39	43	48	53	54	49	49	55	56
37.5°	48	55	64	75	78	75	77	80	84	89	95
35°	76	99	103	111	117	112	114	123	123	140	150
32.5°	135	170	180	173	187	196	169	203	209	227	248
30°	221	292	315	304	343	356	332	400	440	439	539
27.5°	420	455	497	560	569	590	723	827	958	1082	1243
25°	642	663	781	860	899	1040	1238	1400	1678	1938	2479
22.5°	847	923	1068	1193	1334	1562	1835	2135	2875	3786	4928
20°	1048	1148	1321	1547	1772	2081	2445	3395	4850	7056	9440
17.5°	1275	1371	1607	1926	2268	2732	3847	5662	8753	13068	17231
15°	1570	1735	1996	2467	3122	4216	6032	10510	16680	23391	30585
12.5°	1915	2187	2612	3220	4164	6747	11312	18502	27723	37148	48972
10°	2249	2703	3355	4313	6189	10261	17062	27439	41567	56140	69199
7.5°	2542	3143	4020	5363	8342	14226	24010	38470	56080	74088	91648
5°	2841	3557	4578	6149	9655	17096	29655	48569	69845	91656	114575
2.5°	3087	3903	5044	6801	10431	18639	33155	55602	80186	105155	133675
0°	3235	4118	5274	6822	11040	19854	34020	58092	84551	112005	141854
-2.5°	3239	4074	5162	6757	10909	19522	34081	58030	84317	110757	140213
-5°	3229	3971	4993	6525	10129	17789	31466	54270	80162	105184	132013
-7.5°	3214	3837	4754	6154	9130	15697	28455	49330	73758	97066	121082
-10°	3196	3697	4534	5835	8225	13209	22890	41901	64310	85818	105512
-12.5°	3181	3639	4357	5397	7126	11069	19325	34243	52390	70550	87996
-15°	3122	3563	4212	5071	6473	9230	14426	24738	39639	53985	67834
-17.5°	3002	3455	3863	4532	5543	7341	10746	16959	26527	37741	47511
-20°	2766	3077	3416	3983	4762	5708	7261	10801	15351	22665	27788



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2416	2678	2963	3341	3888	4556	5385	6694	9068	11887	15003
-25°	2098	2285	2550	2874	3167	3603	4184	4692	5717	6546	8260
-27.5°	1856	2012	2251	2503	2719	2953	3357	3716	4215	4650	5347
-30°	1681	1841	2033	2224	2430	2628	2808	3081	3380	3664	4032
-32.5°	1465	1718	1857	2018	2201	2374	2512	2684	2849	3037	3239
-35°	1240	1516	1729	1853	1989	2154	2296	2414	2523	2639	2746
-37.5°	974	1279	1523	1706	1830	1946	2097	2210	2282	2379	2452
-40°	837	959	1236	1486	1645	1827	1968	2088	2220	2323	2383
-42.5°	771	841	915	1119	1369	1587	1769	1966	2143	2283	2414
-45°	719	769	822	889	959	1164	1388	1618	1825	2017	2183
-47.5°	650	709	757	800	843	905	973	1066	1264	1465	1657
-50°	579	633	686	736	776	808	833	874	934	994	1052
-52.5°	513	563	611	659	706	748	785	814	838	858	872
-55°	465	504	542	588	633	675	714	750	782	812	832
-57.5°	415	454	493	531	569	605	641	677	710	740	760
-60°	366	399	437	477	515	549	583	615	645	670	686
-62.5°	320	351	384	420	458	494	528	560	591	616	631
-65°	273	299	327	357	388	419	451	484	517	544	561
-67.5°	205	231	259	288	314	338	361	385	409	429	445
-70°	133	153	172	192	214	236	257	276	295	309	321
-72.5°	72	82	92	107	122	136	151	164	177	187	194
-75°	33	38	46	53	60	67	74	81	86	90	93
-77.5°	24	26	28	30	31	34	37	40	43	45	48
-80°	17	18	19	20	21	22	24	26	27	29	31
-82.5°	11	12	13	13	14	15	16	17	17	19	20
-85°	8	8	8	9	9	10	10	11	12	13	14
-87.5°	6	6	6	6	6	6	7	8	8	9	10
-90°	4	3	3	3	2	2	2	2	1	1	1



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9	10	10	11	10	10	9	8	7	6	6
87.5°	1	1	1	0	1	1	1	1	1	1	2
85°	1	1	1	0	1	1	1	1	1	1	2
82.5°	1	1	1	1	1	1	1	2	2	2	3
80°	2	1	1	1	1	1	2	2	2	2	3
77.5°	2	1	1	1	1	1	2	2	2	2	3
75°	2	2	2	2	2	2	2	2	2	2	3
72.5°	5	5	5	5	5	5	5	5	4	4	5
70°	6	6	6	6	6	6	6	6	6	6	7
67.5°	7	7	7	7	7	7	7	7	7	7	8
65°	6	6	6	6	6	6	6	6	6	7	8
62.5°	6	6	6	6	6	6	6	5	5	6	7
60°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	6	5	5	5	5	5	5	5
55°	6	6	6	7	6	6	6	6	6	6	6
52.5°	8	8	8	8	8	8	8	8	7	7	7
50°	10	11	11	11	11	11	10	10	10	9	9
47.5°	15	15	16	16	16	15	15	15	14	13	11
45°	25	25	25	25	25	25	25	24	24	22	19
42.5°	40	40	40	40	40	40	40	38	37	38	38
40°	56	56	56	55	56	56	56	56	55	49	49
37.5°	98	95	88	85	88	95	98	95	89	84	80
35°	152	154	155	154	155	154	152	150	140	123	123
32.5°	254	266	270	278	270	266	254	248	227	209	203
30°	524	520	474	455	474	520	524	539	439	440	400
27.5°	1410	1573	1650	1644	1650	1573	1410	1243	1082	958	827
25°	2905	3166	3339	3225	3339	3166	2905	2479	1938	1678	1400
22.5°	5993	6561	6871	6983	6871	6561	5993	4928	3786	2875	2135
20°	12009	13083	13868	13213	13868	13083	12009	9440	7056	4850	3395
17.5°	22295	25636	28592	29516	28592	25636	22295	17231	13068	8753	5662
15°	37521	43164	46518	46323	46518	43164	37521	30585	23391	16680	10510
12.5°	57731	64694	69341	68307	69341	64694	57731	48972	37148	27723	18502
10°	82014	92561	100225	99872	100225	92561	82014	69199	56140	41567	27439
7.5°	107191	124505	139534	142063	139534	124505	107191	91648	74088	56080	38470
5°	139658	162479	177404	178257	177404	162479	139658	114575	91656	69845	48569
2.5°	165994	192174	204769	212401	204769	192174	165994	133675	105155	80186	55602
0°	178332	199615	222643	233554	222643	199615	178332	141854	112005	84551	58092
-2.5°	173270	196077	209893	221457	209893	196077	173270	140213	110757	84317	58030
-5°	161790	184387	195979	197060	195979	184387	161790	132013	105184	80162	54270
-7.5°	143048	162210	174379	178166	174379	162210	143048	121082	97066	73758	49330
-10°	123131	136911	144776	146284	144776	136911	123131	105512	85818	64310	41901
-12.5°	102423	113705	119132	120318	119132	113705	102423	87996	70550	52390	34243
-15°	79485	87974	92860	93711	92860	87974	79485	67834	53985	39639	24738
-17.5°	56735	63633	68583	69240	68583	63633	56735	47511	37741	26527	16959
-20°	34852	39546	42441	42017	42441	39546	34852	27788	22665	15351	10801



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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°	18764	21294	22518	23150	22518	21294	18764	15003	11887	9068	6694
-25°	9918	10990	11540	11970	11540	10990	9918	8260	6546	5717	4692
-27.5°	5902	6270	6475	6587	6475	6270	5902	5347	4650	4215	3716
-30°	4326	4503	4596	4643	4596	4503	4326	4032	3664	3380	3081
-32.5°	3402	3506	3571	3594	3571	3506	3402	3239	3037	2849	2684
-35°	2822	2857	2869	2892	2869	2857	2822	2746	2639	2523	2414
-37.5°	2508	2541	2556	2570	2556	2541	2508	2452	2379	2282	2210
-40°	2410	2445	2480	2506	2480	2445	2410	2383	2323	2220	2088
-42.5°	2471	2528	2567	2572	2567	2528	2471	2414	2283	2143	1966
-45°	2277	2341	2376	2388	2376	2341	2277	2183	2017	1825	1618
-47.5°	1827	1974	2062	2081	2062	1974	1827	1657	1465	1264	1066
-50°	1109	1161	1190	1194	1190	1161	1109	1052	994	934	874
-52.5°	883	893	898	902	898	893	883	872	858	838	814
-55°	850	866	875	879	875	866	850	832	812	782	750
-57.5°	778	794	801	803	801	794	778	760	740	710	677
-60°	701	715	719	719	719	715	701	686	670	645	615
-62.5°	647	661	667	671	667	661	647	631	616	591	560
-65°	576	589	595	596	595	589	576	561	544	517	484
-67.5°	459	472	475	475	475	472	459	445	429	409	385
-70°	331	339	341	339	341	339	331	321	309	295	276
-72.5°	200	205	207	207	207	205	200	194	187	177	164
-75°	96	98	99	100	99	98	96	93	90	86	81
-77.5°	50	52	53	54	53	52	50	48	45	43	40
-80°	32	33	34	34	34	33	32	31	29	27	26
-82.5°	21	23	23	23	23	23	21	20	19	17	17
-85°	15	16	16	17	16	16	15	14	13	12	11
-87.5°	11	12	12	12	12	12	11	10	9	8	8
-90°	0	0	0	0	0	0	0	1	1	1	2



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5	5	5	5	5	5	5	5	5	6	6
87.5°	2	2	2	3	3	3	4	4	4	5	5
85°	2	2	2	3	3	3	4	4	4	5	5
82.5°	3	3	3	3	3	3	4	4	4	5	5
80°	3	3	4	4	4	4	4	4	4	5	5
77.5°	3	3	4	4	4	4	4	4	4	5	5
75°	3	3	4	4	4	5	5	5	5	5	5
72.5°	5	5	6	6	5	6	6	6	6	6	6
70°	8	9	10	11	12	12	11	10	8	8	7
67.5°	9	10	12	14	16	17	17	18	17	15	11
65°	9	10	12	13	16	18	22	24	24	23	18
62.5°	8	9	10	11	13	16	20	24	28	29	23
60°	6	6	7	8	10	13	17	22	27	27	25
57.5°	5	5	6	7	7	10	14	19	24	23	22
55°	6	6	7	7	7	8	10	14	18	19	18
52.5°	7	7	8	8	8	8	8	10	12	14	15
50°	8	9	9	9	9	9	9	9	10	11	12
47.5°	11	11	11	11	11	11	10	10	11	11	11
45°	18	18	16	16	16	15	13	14	14	14	12
42.5°	35	30	26	26	25	23	21	21	20	18	17
40°	54	53	48	43	39	34	32	29	28	25	25
37.5°	77	75	78	75	64	55	48	41	36	39	37
35°	114	112	117	111	103	99	76	60	54	60	54
32.5°	169	196	187	173	180	170	135	94	93	91	81
30°	332	356	343	304	315	292	221	207	173	132	115
27.5°	723	590	569	560	497	455	420	378	292	214	160
25°	1238	1040	899	860	781	663	642	591	484	325	220
22.5°	1835	1562	1334	1193	1068	923	847	815	700	465	318
20°	2445	2081	1772	1547	1321	1148	1048	997	855	634	420
17.5°	3847	2732	2268	1926	1607	1371	1275	1154	1010	799	519
15°	6032	4216	3122	2467	1996	1735	1570	1339	1161	944	673
12.5°	11312	6747	4164	3220	2612	2187	1915	1598	1333	1143	901
10°	17062	10261	6189	4313	3355	2703	2249	1861	1556	1360	1127
7.5°	24010	14226	8342	5363	4020	3143	2542	2085	1763	1564	1346
5°	29655	17096	9655	6149	4578	3557	2841	2274	1955	1755	1556
2.5°	33155	18639	10431	6801	5044	3903	3087	2436	2104	1879	1672
0°	34020	19854	11040	6822	5274	4118	3235	2577	2229	1983	1770
-2.5°	34081	19522	10909	6757	5162	4074	3239	2645	2301	2037	1806
-5°	31466	17789	10129	6525	4993	3971	3229	2706	2355	2082	1819
-7.5°	28455	15697	9130	6154	4754	3837	3214	2757	2391	2131	1836
-10°	22890	13209	8225	5835	4534	3697	3196	2772	2418	2171	1826
-12.5°	19325	11069	7126	5397	4357	3639	3181	2743	2436	2204	1786
-15°	14426	9230	6473	5071	4212	3563	3122	2656	2370	2187	1716
-17.5°	10746	7341	5543	4532	3863	3455	3002	2562	2256	2022	1538
-20°	7261	5708	4762	3983	3416	3077	2766	2397	2115	1786	1313



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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°	5385	4556	3888	3341	2963	2678	2416	2152	1941	1541	1083
-25°	4184	3603	3167	2874	2550	2285	2098	1935	1670	1286	876
-27.5°	3357	2953	2719	2503	2251	2012	1856	1714	1397	1033	809
-30°	2808	2628	2430	2224	2033	1841	1681	1424	1131	838	747
-32.5°	2512	2374	2201	2018	1857	1718	1465	1150	881	774	697
-35°	2296	2154	1989	1853	1729	1516	1240	933	784	716	650
-37.5°	2097	1946	1830	1706	1523	1279	974	813	729	667	600
-40°	1968	1827	1645	1486	1236	959	837	754	688	616	547
-42.5°	1769	1587	1369	1119	915	841	771	708	640	564	495
-45°	1388	1164	959	889	822	769	719	652	580	512	445
-47.5°	973	905	843	800	757	709	650	586	523	460	408
-50°	833	808	776	736	686	633	579	523	468	419	369
-52.5°	785	748	706	659	611	563	513	469	424	378	331
-55°	714	675	633	588	542	504	465	423	381	337	297
-57.5°	641	605	569	531	493	454	415	376	339	300	263
-60°	583	549	515	477	437	399	366	332	296	266	234
-62.5°	528	494	458	420	384	351	320	290	262	234	198
-65°	451	419	388	357	327	299	273	244	214	186	155
-67.5°	361	338	314	288	259	231	205	180	156	133	106
-70°	257	236	214	192	172	153	133	114	94	79	64
-72.5°	151	136	122	107	92	82	72	62	51	40	31
-75°	74	67	60	53	46	38	33	31	28	26	23
-77.5°	37	34	31	30	28	26	24	22	20	19	17
-80°	24	22	21	20	19	18	17	16	15	14	13
-82.5°	16	15	14	13	13	12	11	11	10	10	9
-85°	10	10	9	9	8	8	8	8	8	8	8
-87.5°	7	6	6	6	6	6	6	6	6	7	7
-90°	2	2	2	3	3	3	4	4	4	5	5



REPORT NUMBER: P1305998 (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°	6	6	6	6	6	7	7	7	7	7	6
87.5°	5	5	5	5	5	5	6	6	6	6	6
85°	5	5	5	5	5	5	6	6	6	6	6
82.5°	5	5	6	6	6	6	6	6	6	6	6
80°	5	5	6	6	6	6	6	6	6	6	6
77.5°	5	5	6	6	6	6	6	6	6	6	6
75°	5	6	6	6	6	6	6	6	6	7	7
72.5°	6	6	6	6	6	6	6	6	6	7	7
70°	7	6	6	6	6	6	6	6	6	7	7
67.5°	8	7	6	6	6	6	6	6	6	7	7
65°	13	9	7	7	7	7	7	6	7	7	7
62.5°	18	13	10	8	7	7	7	7	7	7	7
60°	22	17	12	10	8	7	7	7	7	7	7
57.5°	20	19	16	12	9	8	7	7	7	7	7
55°	17	17	17	14	11	9	8	7	7	7	7
52.5°	14	15	16	16	13	10	8	7	7	7	7
50°	12	14	16	16	14	11	9	8	7	7	7
47.5°	12	13	15	16	15	12	10	8	7	7	7
45°	14	14	15	16	16	13	11	9	8	7	7
42.5°	17	17	16	16	16	14	11	9	8	7	8
40°	23	21	19	18	17	14	11	9	8	8	8
37.5°	30	27	23	24	19	15	12	10	9	8	8
35°	44	34	33	32	26	17	12	10	9	8	8
32.5°	61	51	50	43	34	20	13	11	10	9	8
30°	92	83	71	56	44	28	16	12	10	9	8
27.5°	142	120	98	76	57	37	20	13	11	9	8
25°	195	165	133	100	71	51	24	15	12	10	8
22.5°	251	215	173	127	91	67	31	18	13	10	9
20°	309	266	217	159	115	84	43	21	14	11	9
17.5°	372	328	273	200	142	102	56	24	16	11	9
15°	492	403	335	244	168	120	70	27	17	12	9
12.5°	639	479	402	291	194	139	84	29	19	13	10
10°	800	555	470	339	219	157	99	34	22	15	10
7.5°	970	630	539	387	245	183	127	44	25	16	10
5°	1127	698	607	446	287	216	157	54	28	18	10
2.5°	1221	753	671	504	327	248	186	64	31	19	11
0°	1297	804	730	557	365	279	213	73	34	20	11
-2.5°	1313	834	750	587	401	309	235	89	45	27	14
-5°	1310	860	766	612	435	337	253	104	55	33	18
-7.5°	1306	872	774	629	465	362	267	117	65	39	21
-10°	1278	875	772	627	471	372	275	129	74	45	24
-12.5°	1215	874	767	619	469	369	267	137	82	50	26
-15°	1117	870	758	606	463	364	257	143	89	54	28
-17.5°	972	864	747	587	451	356	247	147	94	58	30
-20°	903	830	732	562	434	347	236	150	98	60	32



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	853	775	675	540	416	335	225	150	101	62	32
-25°	795	719	615	498	400	318	219	149	103	62	32
-27.5°	731	659	558	457	378	302	216	150	104	62	31
-30°	668	597	509	420	354	281	211	150	103	60	30
-32.5°	619	541	464	393	329	260	200	149	100	58	28
-35°	573	495	421	365	304	242	186	145	95	55	27
-37.5°	526	454	390	337	280	222	175	134	89	50	25
-40°	480	415	361	311	257	202	162	122	82	44	22
-42.5°	433	382	332	285	233	187	149	109	72	39	18
-45°	396	348	302	256	209	171	133	95	61	34	15
-47.5°	358	313	271	228	190	154	117	82	50	28	14
-50°	319	280	242	205	170	135	100	68	41	21	13
-52.5°	287	249	215	182	149	116	83	53	32	17	12
-55°	257	221	190	158	127	96	66	43	23	15	11
-57.5°	229	193	163	133	103	74	51	31	19	13	10
-60°	200	165	135	106	78	55	37	22	16	12	10
-62.5°	165	133	103	77	56	39	24	18	13	11	10
-65°	124	96	70	53	37	25	20	15	12	11	10
-67.5°	80	62	45	30	24	20	15	13	11	10	9
-70°	48	33	26	23	19	15	13	12	10	10	9
-72.5°	27	24	20	17	15	14	12	10	10	9	9
-75°	20	18	17	15	13	12	11	10	9	8	8
-77.5°	16	15	14	13	11	10	9	9	8	8	8
-80°	12	12	11	11	10	9	8	8	8	8	7
-82.5°	9	9	9	9	8	8	8	8	7	7	7
-85°	8	8	8	8	7	7	7	7	7	7	7
-87.5°	7	7	7	7	7	7	7	7	7	7	7
-90°	5	5	5	5	5	5	6	6	6	6	6



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6	6	6	6	6	6	6
87.5°	6	6	6	6	6	6	6
85°	6	6	6	6	6	6	6
82.5°	6	6	6	6	6	6	6
80°	6	6	6	6	6	6	6
77.5°	6	6	7	7	7	6	6
75°	7	7	7	7	7	6	6
72.5°	7	7	7	7	7	6	6
70°	7	7	7	7	7	6	6
67.5°	7	7	7	7	7	6	6
65°	7	7	7	7	7	6	6
62.5°	7	7	7	7	7	6	6
60°	7	7	7	7	7	6	6
57.5°	7	7	7	7	7	6	6
55°	7	7	7	7	7	6	6
52.5°	7	7	7	7	7	6	6
50°	7	7	7	7	7	6	6
47.5°	7	7	7	7	7	6	6
45°	7	7	7	7	7	6	6
42.5°	7	7	7	7	7	6	6
40°	8	7	7	7	7	6	6
37.5°	8	7	7	7	7	6	6
35°	8	7	7	7	7	6	6
32.5°	8	7	7	7	7	6	6
30°	8	8	7	7	7	6	6
27.5°	8	8	7	7	7	6	6
25°	8	8	7	7	7	6	6
22.5°	8	8	7	7	7	6	6
20°	8	8	7	7	7	6	6
17.5°	8	8	7	7	7	6	6
15°	9	8	7	7	7	6	6
12.5°	9	8	7	7	7	6	6
10°	9	8	7	7	7	6	6
7.5°	9	8	7	7	7	6	6
5°	9	8	7	7	7	6	6
2.5°	9	8	7	7	7	6	6
0°	10	8	7	7	7	6	6
-2.5°	11	8	7	7	7	6	6
-5°	11	8	7	7	7	6	6
-7.5°	12	8	7	7	7	6	6
-10°	13	8	7	7	7	6	6
-12.5°	14	8	7	7	7	6	6
-15°	14	8	7	7	7	6	6
-17.5°	14	8	7	7	7	6	6
-20°	14	8	7	7	7	6	6



REPORT NUMBER: P1305998 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-3S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15	8	7	7	7	6	6
-25°	15	8	7	7	7	6	6
-27.5°	14	8	7	7	7	6	6
-30°	13	8	7	7	7	6	6
-32.5°	12	8	7	7	7	6	6
-35°	12	8	7	7	7	6	6
-37.5°	12	8	7	7	7	6	6
-40°	11	8	8	7	7	6	6
-42.5°	11	8	8	7	7	6	6
-45°	10	8	8	7	6	6	6
-47.5°	10	8	8	7	6	6	6
-50°	9	8	8	7	6	6	6
-52.5°	9	8	8	7	6	6	6
-55°	9	8	8	7	6	6	6
-57.5°	9	8	8	7	6	6	6
-60°	9	8	8	7	6	6	6
-62.5°	9	8	7	7	6	6	6
-65°	9	8	7	7	6	6	6
-67.5°	9	8	7	6	6	6	6
-70°	8	8	7	6	6	6	6
-72.5°	8	7	7	6	6	6	6
-75°	8	7	7	6	6	6	6
-77.5°	8	7	6	6	6	6	6
-80°	7	7	6	6	6	6	6
-82.5°	7	7	6	6	6	6	6
-85°	7	6	6	6	6	6	6
-87.5°	6	6	6	6	6	6	6
-90°	6	6	6	6	6	6	6

(END OF REPORT)