

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: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-5S-CV1-A**

Issue Date: 2/3/2026

**Test Information**

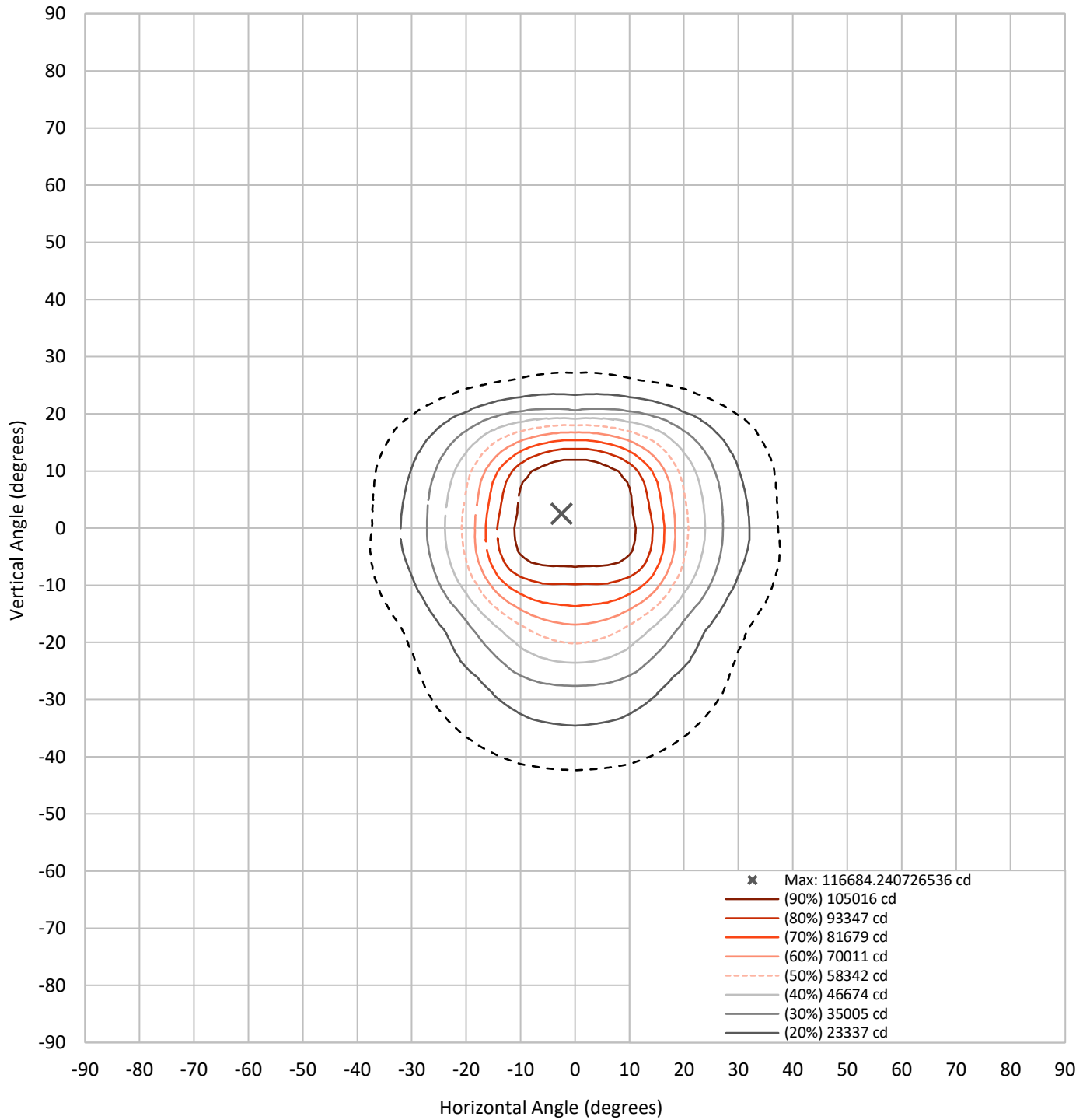
Test Method: LM-79-08  
Report Number: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-40-80-5S-CV1-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	62295.9 lumens	Max Intensity:	116684.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	112.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	34325.4 lumens	Field Lumens:	57934 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
Input Watts (W):	554		
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





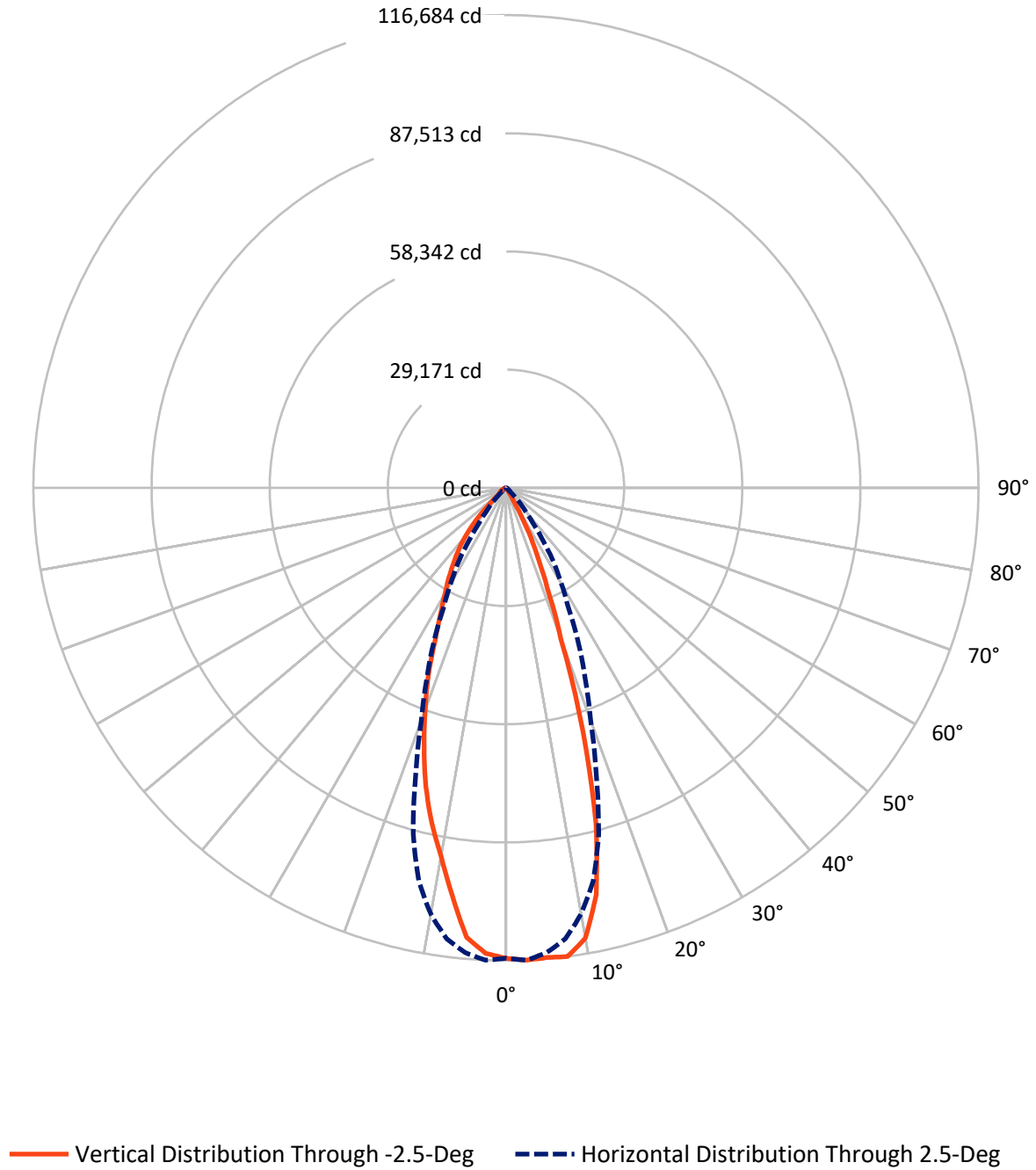
REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90																			
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1			
70	0.1	0.1	0.1	0.3	0.5	0.3	0.2	0.3	0.3	0.2	0.3	0.5	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.6	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.6	0.2	0.1				
50	0.1	0.1	0.3	0.4	0.6	0.8	1.0	0.9	0.9	1.0	0.8	0.6	0.4	0.3	0.1	0.1			
40		0.2	0.6	1.9	4.1	8.8	20.8	29.7	29.7	20.8	8.8	4.1	1.9	0.6	0.2				
30	0.2	0.3	3.3	12.4	67.9	208.6	419.6	564.6	564.6	419.6	208.6	67.9	12.4	3.3	0.3	0.2			
20		0.9	8.1	44.9	279.9	796.9	1652.0	2379.1	2379.1	1652.0	796.9	279.9	44.9	8.1	0.9				
10	0.2	1.5	11.0	70.8	402.3	1146.4	2476.9	3425.1	3425.1	2476.9	1146.4	402.3	70.8	11.0	1.5	0.2			
0		1.9	11.8	74.1	405.2	1117.6	2440.9	3235.3	3235.3	2440.9	1117.6	405.2	74.1	11.8	1.9				
-10	0.3	2.2	11.3	49.8	266.4	737.2	1568.1	2230.5	2230.5	1568.1	737.2	266.4	49.8	11.3	2.2	0.3			
-20		2.2	10.7	27.7	157.0	451.5	877.5	1241.1	1241.1	877.5	451.5	157.0	27.7	10.7	2.2				
-30	0.3	1.8	8.7	20.6	63.1	248.9	485.6	664.6	664.6	485.6	248.9	63.1	20.6	8.7	1.8	0.3			
-40		1.1	5.6	16.1	31.0	57.9	137.2	213.3	213.3	137.2	57.9	31.0	16.1	5.6	1.1				
-50	0.2	0.6	2.8	8.8	19.0	31.0	42.3	49.0	49.0	42.3	31.0	19.0	8.8	2.8	0.6	0.2			
-60		0.2	1.0	3.0	6.5	11.1	16.4	19.3	19.3	16.4	11.1	6.5	3.0	1.0	0.2				
-70	0.1	0.6		2.2		5.2		7.0		5.2		2.2		0.6		0.1			
-80		0.6		2.2		5.2		7.0		5.2		2.2		0.6					
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

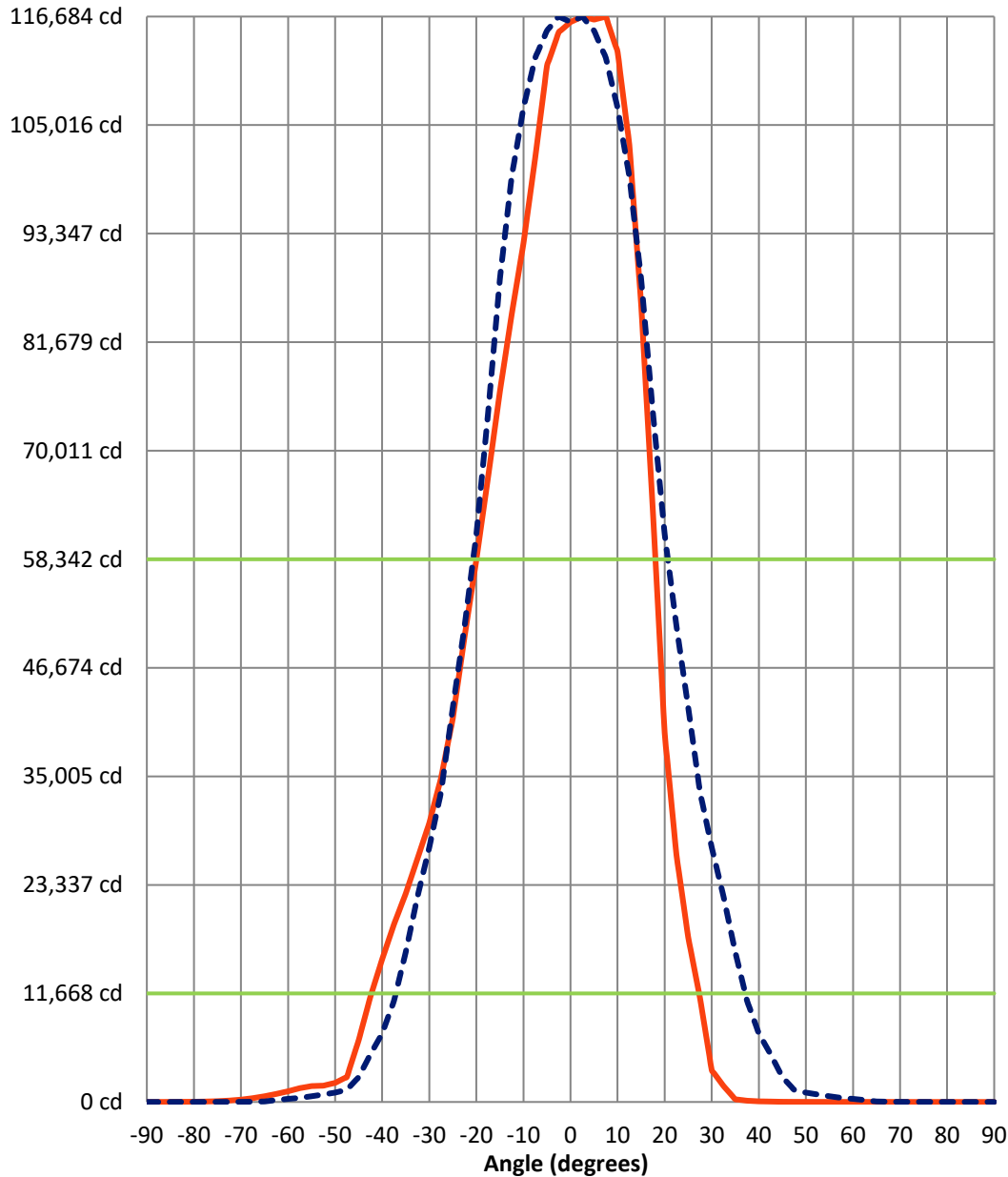
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 41.4°  
V Angle: 38°  
Lumens: 34325.4  
Efficiency: 55.1%

**Field:**  
H Angle: 74.2°  
V Angle: 69.6°  
Lumens: 57934  
Efficiency: 93.0%

**Spill:**  
Lumens: 4361.9  
Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg  
- - Horizontal Distribution through 2.5-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°	5	5	5	5	5	5	5	5	5	5	5
87.5°	5	5	5	5	5	5	5	5	4	4	3
85°	5	5	5	5	5	5	5	5	4	4	3
82.5°	5	5	5	5	5	5	5	5	4	4	4
80°	5	5	5	5	5	5	5	5	4	4	4
77.5°	5	5	5	5	5	5	5	5	5	5	5
75°	5	5	5	5	5	5	5	5	5	5	5
72.5°	5	5	5	5	5	5	5	5	5	5	5
70°	5	5	5	5	5	5	5	5	5	5	5
67.5°	5	5	5	5	5	5	5	5	5	5	5
65°	5	5	5	5	5	5	5	5	5	5	5
62.5°	5	5	5	5	5	5	5	5	5	5	5
60°	5	5	5	5	5	5	5	5	5	5	5
57.5°	5	5	5	5	5	5	5	5	5	5	5
55°	5	5	5	5	5	5	5	5	5	5	5
52.5°	5	5	5	5	5	5	5	5	5	5	6
50°	5	5	5	5	5	5	5	5	5	6	7
47.5°	5	5	5	5	5	5	6	5	6	6	7
45°	5	5	5	5	5	6	6	5	6	7	8
42.5°	5	5	5	5	5	6	6	6	7	8	9
40°	5	5	5	5	5	6	6	6	7	8	9
37.5°	5	5	5	5	5	6	6	7	8	9	10
35°	5	5	5	5	5	6	6	7	8	9	10
32.5°	5	5	5	5	6	6	6	7	8	10	12
30°	5	5	5	5	6	6	7	8	9	11	13
27.5°	5	5	5	5	6	7	7	8	9	11	15
25°	5	5	5	5	6	7	7	8	10	12	17
22.5°	5	5	5	6	6	7	7	9	11	14	21
20°	5	5	5	6	6	7	8	9	11	16	25
17.5°	5	5	5	6	7	7	8	9	12	17	30
15°	5	5	5	6	7	7	8	10	12	19	35
12.5°	5	5	5	6	7	7	8	10	13	21	39
10°	5	5	5	6	7	7	8	10	13	23	44
7.5°	5	5	5	6	7	7	8	10	14	25	48
5°	5	5	5	6	7	7	8	10	14	27	52
2.5°	5	5	5	7	7	7	8	10	15	29	55
0°	5	5	5	7	7	7	8	10	15	30	58
-2.5°	5	5	5	7	7	7	9	12	20	39	73
-5°	5	5	5	7	7	7	9	14	25	48	86
-7.5°	5	5	5	7	7	7	10	15	29	56	99
-10°	5	5	5	7	7	7	10	17	33	63	110
-12.5°	5	5	5	7	7	7	10	18	37	69	120
-15°	5	5	5	7	7	8	10	19	40	75	129
-17.5°	5	5	5	7	7	8	11	20	43	80	136
-20°	5	5	6	7	7	8	11	22	45	83	140



REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5	5	6	7	7	8	12	23	46	84	140
-25°	5	5	6	7	7	8	12	23	45	83	138
-27.5°	5	5	6	7	7	8	13	23	44	82	137
-30°	5	5	6	7	7	8	13	23	43	80	134
-32.5°	5	5	6	7	7	8	12	23	43	77	128
-35°	5	5	6	7	7	8	12	22	41	72	120
-37.5°	5	5	6	7	7	8	12	22	39	66	109
-40°	5	5	6	7	7	8	11	20	35	61	98
-42.5°	5	5	6	7	7	8	11	18	33	56	86
-45°	5	5	5	7	7	8	10	16	30	49	73
-47.5°	5	5	5	7	7	8	9	15	26	42	65
-50°	5	5	5	7	7	8	9	14	22	37	57
-52.5°	5	5	5	6	7	8	9	12	19	31	47
-55°	5	5	5	6	7	7	8	10	16	25	40
-57.5°	5	5	5	6	7	7	8	9	14	21	32
-60°	5	5	5	6	7	7	8	9	11	17	25
-62.5°	5	5	5	6	7	7	8	9	10	13	21
-65°	5	5	5	6	6	7	7	8	10	12	16
-67.5°	5	5	5	6	6	7	7	8	9	11	13
-70°	5	5	5	5	6	7	7	8	8	9	11
-72.5°	5	5	5	5	6	6	7	7	8	9	10
-75°	5	5	5	5	6	6	7	7	7	8	9
-77.5°	5	5	5	5	6	6	7	7	7	8	8
-80°	5	5	5	5	6	6	7	7	7	7	8
-82.5°	5	5	5	5	5	6	6	7	7	7	7
-85°	5	5	5	5	5	6	6	6	6	6	6
-87.5°	5	5	5	5	5	5	5	6	6	6	6
-90°	5	5	5	5	5	5	5	5	4	4	3



REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	3	3	3
85°	3	3	3	3	3	3	3	3	3	3	3
82.5°	4	4	4	3	3	3	3	3	4	4	3
80°	4	4	4	3	3	4	4	5	5	4	4
77.5°	5	4	4	3	4	4	5	5	5	5	5
75°	5	4	4	4	4	5	5	5	6	6	5
72.5°	5	5	5	5	5	5	6	6	7	7	7
70°	5	5	5	5	5	6	7	7	8	8	9
67.5°	5	5	5	5	6	7	8	9	12	13	14
65°	5	5	5	6	7	8	10	13	18	20	21
62.5°	5	5	6	6	7	9	13	19	25	29	28
60°	5	5	6	8	9	13	18	24	32	38	34
57.5°	5	6	8	9	12	16	21	29	37	46	39
55°	6	7	9	11	14	17	23	30	39	44	39
52.5°	7	8	10	13	15	18	21	28	33	38	35
50°	8	9	11	14	16	18	18	23	27	29	29
47.5°	9	10	12	15	17	17	16	18	22	24	23
45°	9	11	13	16	17	17	16	15	20	21	22
42.5°	10	12	15	17	17	18	19	19	21	25	27
40°	11	13	17	18	19	22	25	27	28	34	38
37.5°	12	15	20	22	23	28	33	47	50	46	60
35°	13	18	25	32	36	37	57	77	86	84	96
32.5°	15	20	31	47	63	67	89	123	153	165	158
30°	18	27	42	67	103	143	149	186	247	297	372
27.5°	22	35	61	104	161	242	262	294	385	510	750
25°	27	55	83	153	259	353	391	452	558	962	1515
22.5°	38	83	128	209	373	470	538	641	891	1537	2613
20°	58	121	184	280	493	594	684	841	1401	2601	4350
17.5°	81	162	243	365	558	696	836	1046	1935	3842	6165
15°	107	206	298	439	615	763	958	1444	2783	5258	7833
12.5°	135	250	349	502	667	826	1059	1785	3667	6545	9546
10°	163	296	397	556	716	884	1150	2095	4290	7028	10367
7.5°	181	324	436	600	760	938	1230	2370	4732	7271	10705
5°	195	331	440	613	787	980	1293	2600	5006	7306	10809
2.5°	205	334	441	617	804	1009	1315	2676	5131	7373	10882
0°	212	334	439	616	816	1031	1323	2690	5134	7416	10909
-2.5°	223	346	461	641	828	1035	1334	2766	5383	7883	11732
-5°	231	354	480	661	836	1033	1332	2770	5414	7991	11765
-7.5°	236	360	494	673	830	1007	1286	2546	4938	7501	10966
-10°	239	368	503	666	805	965	1222	2270	4368	6871	10000
-12.5°	245	377	510	658	782	918	1146	1947	3721	6100	8880
-15°	246	383	513	650	762	867	1059	1587	3073	5423	7772
-17.5°	244	385	513	644	749	814	969	1275	2589	4767	6934
-20°	238	385	511	640	740	796	940	1207	2174	3997	6142



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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°	228	382	506	633	739	812	915	1121	1653	3109	5321
-25°	221	367	498	616	734	830	889	1030	1326	2430	4215
-27.5°	218	348	475	591	722	840	894	996	1206	1685	3049
-30°	210	316	447	559	691	820	913	962	1098	1377	2179
-32.5°	196	283	410	525	650	790	917	965	1053	1213	1514
-35°	179	261	370	485	599	742	876	978	1017	1133	1343
-37.5°	164	236	329	441	551	683	830	949	1028	1079	1235
-40°	146	208	295	396	503	623	759	898	1011	1107	1172
-42.5°	127	186	260	350	454	565	683	821	964	1102	1202
-45°	113	162	224	308	402	504	615	731	881	1036	1177
-47.5°	96	137	194	262	349	443	543	653	777	926	1087
-50°	80	117	161	222	294	380	472	568	677	801	943
-52.5°	70	96	135	181	244	316	397	482	575	677	794
-55°	58	81	109	147	194	256	322	398	475	564	653
-57.5°	48	66	88	117	154	197	254	314	383	454	526
-60°	38	53	71	93	118	153	190	239	294	348	408
-62.5°	29	41	55	72	93	113	142	176	212	257	300
-65°	23	29	40	54	69	86	104	122	151	180	208
-67.5°	16	22	29	36	49	61	74	90	106	121	139
-70°	13	16	21	26	32	39	49	61	72	83	96
-72.5°	11	13	15	18	22	27	31	35	42	52	60
-75°	10	11	12	14	16	18	20	23	27	31	34
-77.5°	9	9	10	11	12	14	15	17	18	20	21
-80°	8	8	9	9	10	11	11	12	13	14	16
-82.5°	7	7	8	8	8	8	8	9	9	10	11
-85°	7	7	7	7	7	7	7	7	7	8	8
-87.5°	6	6	6	6	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	3	3	3



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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	4	4	3	3	3
87.5°	3	3	3	3	3	3	3	2	2	2	2
85°	3	3	3	3	3	3	3	3	3	3	2
82.5°	3	3	3	3	3	3	3	3	3	3	3
80°	4	4	4	4	3	3	3	3	3	3	3
77.5°	5	5	4	4	3	3	3	3	3	3	3
75°	5	5	5	4	4	4	4	4	3	3	3
72.5°	6	6	6	6	6	6	6	5	5	5	5
70°	10	10	10	10	9	9	8	7	7	6	6
67.5°	15	15	14	13	12	10	9	8	7	7	7
65°	21	18	16	15	13	12	11	10	8	8	9
62.5°	25	20	17	15	14	13	12	10	9	8	9
60°	28	21	16	14	13	12	10	9	8	7	7
57.5°	30	21	14	13	11	9	8	8	7	7	7
55°	29	20	12	11	10	10	10	9	8	8	8
52.5°	25	18	13	11	11	10	10	10	10	9	10
50°	22	17	14	12	11	12	12	12	12	12	12
47.5°	20	16	15	13	13	15	15	15	16	16	15
45°	20	21	21	20	19	26	27	22	27	26	23
42.5°	29	31	31	39	52	52	50	57	52	46	41
40°	45	45	53	65	65	62	71	72	71	75	74
37.5°	71	72	76	83	96	90	108	120	122	138	150
35°	119	139	121	164	192	186	213	260	215	330	350
32.5°	222	268	303	353	417	511	518	853	920	1117	1387
30°	383	516	771	837	940	1332	1794	2373	2912	3296	3802
27.5°	922	1141	1691	2288	2253	2984	4639	5148	6546	7011	8191
25°	2062	2587	3917	5103	5707	7633	9817	10802	12643	13622	15066
22.5°	4032	5473	7237	9058	11326	14276	16975	18946	21425	23415	24593
20°	6526	8520	11237	14065	17573	21449	24266	28258	31987	35527	37124
17.5°	8901	12232	15519	18932	23535	28605	33197	39035	45217	49971	53846
15°	10914	14620	19363	23442	28710	35032	41859	49323	58213	64970	72247
12.5°	12771	16488	21634	26505	33599	40739	48705	57980	68257	78253	87629
10°	13967	18251	23765	29683	36950	45241	54303	64693	77863	89291	99854
7.5°	14691	19859	25568	31879	39658	48190	57734	69982	83820	95756	105246
5°	15402	21176	26732	32938	41420	50103	59412	71698	85970	97918	106440
2.5°	16116	22083	27372	33359	42421	51183	61040	74129	88475	99448	106851
0°	16768	22406	27602	33465	42857	51656	61690	74615	90620	101173	108340
-2.5°	17005	22388	27353	33166	42493	51009	60996	74926	89861	100599	107877
-5°	16285	21171	26002	31890	40561	49351	59405	73217	87395	98512	105452
-7.5°	14933	19347	24099	29934	37812	46306	55459	67523	81481	91837	97303
-10°	13517	17303	21792	27193	34135	42202	49788	60054	72954	82136	87730
-12.5°	11898	14971	19114	23834	30031	37064	44003	52686	62538	71982	77805
-15°	10199	12672	16272	20801	25695	30956	37372	44406	52262	59916	66550
-17.5°	8839	10748	14051	18122	21853	26121	32375	38093	43842	50015	55542
-20°	7965	9756	12424	15823	19525	23827	28660	33661	39005	43745	48616



REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7267	9107	11167	13999	17939	21891	25609	29436	33870	38712	42792
-25°	6360	8290	10246	12940	16258	19751	22488	25213	29214	33331	36705
-27.5°	5099	7281	9565	11758	14586	17070	19476	21945	25433	28909	31430
-30°	3638	6159	8531	10772	12714	14670	16681	19210	22126	24922	27065
-32.5°	2662	4551	7116	9403	11303	12941	14486	16735	19017	21259	23307
-35°	1699	3080	5078	7407	9638	11376	13056	14686	16401	18312	20084
-37.5°	1463	1834	3062	4799	6937	9209	10861	12483	14233	15669	17159
-40°	1326	1520	1831	2447	4061	5664	7520	9255	10928	12402	13763
-42.5°	1266	1382	1507	1741	2002	2770	4123	5387	6876	8355	9647
-45°	1296	1336	1400	1515	1621	1838	2066	2304	3322	4388	5303
-47.5°	1213	1329	1391	1441	1496	1590	1688	1820	2050	2282	2466
-50°	1075	1199	1308	1415	1467	1505	1545	1623	1729	1839	1919
-52.5°	904	1024	1144	1252	1341	1426	1511	1575	1630	1685	1712
-55°	751	851	947	1045	1142	1233	1327	1422	1511	1593	1633
-57.5°	607	691	774	848	925	1003	1090	1183	1275	1360	1404
-60°	470	535	602	663	720	774	849	925	998	1060	1093
-62.5°	344	394	445	494	539	585	641	696	749	792	817
-65°	238	275	310	343	376	415	458	499	538	567	583
-67.5°	163	185	204	222	245	273	303	331	357	376	389
-70°	109	121	131	144	158	173	189	205	221	232	238
-72.5°	69	77	84	92	100	108	116	123	130	136	142
-75°	38	42	48	53	58	63	68	73	77	80	82
-77.5°	23	26	28	30	32	34	37	40	42	44	46
-80°	17	18	18	19	20	21	22	22	22	23	24
-82.5°	11	12	12	13	13	14	15	15	16	17	17
-85°	8	8	8	8	8	8	9	9	10	10	10
-87.5°	6	6	6	5	5	5	5	5	5	5	5
-90°	3	3	3	3	3	3	3	2	2	2	2



REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	3	3	3	3	3	3	3	3	3	3	4
87.5°	2	2	2	2	2	2	2	2	2	2	2
85°	2	2	2	2	2	2	2	2	3	3	3
82.5°	2	2	2	2	2	2	2	3	3	3	3
80°	2	2	2	2	2	2	2	3	3	3	3
77.5°	2	2	2	2	2	2	2	3	3	3	3
75°	3	3	3	3	3	3	3	3	3	3	4
72.5°	5	5	5	5	5	5	5	5	5	5	5
70°	7	7	7	7	7	7	7	6	6	7	7
67.5°	8	8	8	8	8	8	8	7	7	7	8
65°	10	11	11	10	11	11	10	9	8	8	10
62.5°	9	8	8	8	8	8	9	9	8	9	10
60°	7	7	7	7	7	7	7	7	7	8	9
57.5°	8	8	8	8	8	8	8	7	7	7	8
55°	8	8	8	8	8	8	8	8	8	8	9
52.5°	10	10	10	10	10	10	10	10	9	10	10
50°	12	12	12	12	12	12	12	12	12	12	12
47.5°	15	15	15	15	15	15	15	15	16	16	15
45°	23	22	22	22	22	22	23	23	26	27	22
42.5°	44	45	47	50	47	45	44	41	46	52	57
40°	74	72	70	70	70	72	74	74	75	71	72
37.5°	155	149	138	130	138	149	155	150	138	122	120
35°	318	310	292	287	292	310	318	350	330	215	260
32.5°	1497	1668	1722	1725	1722	1668	1497	1387	1117	920	853
30°	3841	3799	3429	3047	3429	3799	3841	3802	3296	2912	2373
27.5°	9244	10374	11189	10925	11189	10374	9244	8191	7011	6546	5148
25°	16650	17449	17711	17322	17711	17449	16650	15066	13622	12643	10802
22.5°	26140	26620	26578	25702	26578	26620	26140	24593	23415	21425	18946
20°	39365	39288	39682	37898	39682	39288	39365	37124	35527	31987	28258
17.5°	58069	61141	63480	63256	63480	61141	58069	53846	49971	45217	39035
15°	77939	82581	85753	85959	85753	82581	77939	72247	64970	58213	49323
12.5°	95210	100175	102869	102460	102869	100175	95210	87629	78253	68257	57980
10°	106213	110034	112870	113574	112870	110034	106213	99854	89291	77863	64693
7.5°	110625	114201	116673	116636	116673	114201	110625	105246	95756	83820	69982
5°	111441	114962	116362	116627	116362	114962	111441	106440	97918	85970	71698
2.5°	112244	115163	116684	116106	116684	115163	112244	106851	99448	88475	74129
0°	112558	114899	116087	115719	116087	114899	112558	108340	101173	90620	74615
-2.5°	112451	113990	114996	114648	114996	113990	112451	107877	100599	89861	74926
-5°	109573	110899	111368	111624	111368	110899	109573	105452	98512	87395	73217
-7.5°	100326	102068	101508	102353	101508	102068	100326	97303	91837	81481	67523
-10°	91177	92873	92291	92836	92291	92873	91177	87730	82136	72954	60054
-12.5°	82551	84684	84652	85425	84652	84684	82551	77805	71982	62538	52686
-15°	72179	74896	76375	77324	76375	74896	72179	66550	59916	52262	44406
-17.5°	61224	64717	67206	67588	67206	64717	61224	55542	50015	43842	38093
-20°	52801	55950	58293	59048	58293	55950	52801	48616	43745	39005	33661



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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°	45745	48344	50038	50455	50038	48344	45745	42792	38712	33870	29436
-25°	38915	40368	41257	41593	41257	40368	38915	36705	33331	29214	25213
-27.5°	33356	34392	34836	35011	34836	34392	33356	31430	28909	25433	21945
-30°	28703	29498	29986	30167	29986	29498	28703	27065	24922	22126	19210
-32.5°	24872	25664	26178	26362	26178	25664	24872	23307	21259	19017	16735
-35°	21285	21940	22408	22626	22408	21940	21285	20084	18312	16401	14686
-37.5°	18115	18706	19096	19217	19096	18706	18115	17159	15669	14233	12483
-40°	14530	15063	15360	15345	15360	15063	14530	13763	12402	10928	9255
-42.5°	10411	10949	11330	11616	11330	10949	10411	9647	8355	6876	5387
-45°	5914	6357	6642	6775	6642	6357	5914	5303	4388	3322	2304
-47.5°	2576	2656	2697	2697	2697	2656	2576	2466	2282	2050	1820
-50°	1978	2028	2057	2065	2057	2028	1978	1919	1839	1729	1623
-52.5°	1730	1748	1756	1756	1756	1748	1730	1712	1685	1630	1575
-55°	1667	1696	1708	1706	1708	1696	1667	1633	1593	1511	1422
-57.5°	1441	1470	1487	1493	1487	1470	1441	1404	1360	1275	1183
-60°	1118	1136	1152	1163	1152	1136	1118	1093	1060	998	925
-62.5°	837	852	867	877	867	852	837	817	792	749	696
-65°	595	603	615	625	615	603	595	583	567	538	499
-67.5°	399	406	411	412	411	406	399	389	376	357	331
-70°	243	246	251	255	251	246	243	238	232	221	205
-72.5°	147	151	151	150	151	151	147	142	136	130	123
-75°	83	84	85	85	85	84	83	82	80	77	73
-77.5°	47	48	47	47	47	48	47	46	44	42	40
-80°	24	25	25	25	25	25	24	24	23	22	22
-82.5°	18	18	17	17	17	18	18	17	17	16	15
-85°	10	10	10	10	10	10	10	10	10	10	9
-87.5°	5	5	5	5	5	5	5	5	5	5	5
-90°	2	2	1	0	1	2	2	2	2	2	2



REPORT NUMBER: P1306173 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	3	3	3
85°	3	3	3	3	3	3	3	3	3	3	3
82.5°	3	3	3	3	3	3	3	3	4	4	3
80°	3	3	3	4	4	4	4	4	4	5	5
77.5°	3	3	3	4	4	5	5	5	5	5	5
75°	4	4	4	4	5	5	5	5	6	6	5
72.5°	6	6	6	6	6	6	6	7	7	7	6
70°	8	9	9	10	10	10	10	9	8	8	7
67.5°	9	10	12	13	14	15	15	14	13	12	9
65°	11	12	13	15	16	18	21	21	20	18	13
62.5°	12	13	14	15	17	20	25	28	29	25	19
60°	10	12	13	14	16	21	28	34	38	32	24
57.5°	8	9	11	13	14	21	30	39	46	37	29
55°	10	10	10	11	12	20	29	39	44	39	30
52.5°	10	10	11	11	13	18	25	35	38	33	28
50°	12	12	11	12	14	17	22	29	29	27	23
47.5°	15	15	13	13	15	16	20	23	24	22	18
45°	27	26	19	20	21	21	20	22	21	20	15
42.5°	50	52	52	39	31	31	29	27	25	21	19
40°	71	62	65	65	53	45	45	38	34	28	27
37.5°	108	90	96	83	76	72	71	60	46	50	47
35°	213	186	192	164	121	139	119	96	84	86	77
32.5°	518	511	417	353	303	268	222	158	165	153	123
30°	1794	1332	940	837	771	516	383	372	297	247	186
27.5°	4639	2984	2253	2288	1691	1141	922	750	510	385	294
25°	9817	7633	5707	5103	3917	2587	2062	1515	962	558	452
22.5°	16975	14276	11326	9058	7237	5473	4032	2613	1537	891	641
20°	24266	21449	17573	14065	11237	8520	6526	4350	2601	1401	841
17.5°	33197	28605	23535	18932	15519	12232	8901	6165	3842	1935	1046
15°	41859	35032	28710	23442	19363	14620	10914	7833	5258	2783	1444
12.5°	48705	40739	33599	26505	21634	16488	12771	9546	6545	3667	1785
10°	54303	45241	36950	29683	23765	18251	13967	10367	7028	4290	2095
7.5°	57734	48190	39658	31879	25568	19859	14691	10705	7271	4732	2370
5°	59412	50103	41420	32938	26732	21176	15402	10809	7306	5006	2600
2.5°	61040	51183	42421	33359	27372	22083	16116	10882	7373	5131	2676
0°	61690	51656	42857	33465	27602	22406	16768	10909	7416	5134	2690
-2.5°	60996	51009	42493	33166	27353	22388	17005	11732	7883	5383	2766
-5°	59405	49351	40561	31890	26002	21171	16285	11765	7991	5414	2770
-7.5°	55459	46306	37812	29934	24099	19347	14933	10966	7501	4938	2546
-10°	49788	42202	34135	27193	21792	17303	13517	10000	6871	4368	2270
-12.5°	44003	37064	30031	23834	19114	14971	11898	8880	6100	3721	1947
-15°	37372	30956	25695	20801	16272	12672	10199	7772	5423	3073	1587
-17.5°	32375	26121	21853	18122	14051	10748	8839	6934	4767	2589	1275
-20°	28660	23827	19525	15823	12424	9756	7965	6142	3997	2174	1207



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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°	25609	21891	17939	13999	11167	9107	7267	5321	3109	1653	1121
-25°	22488	19751	16258	12940	10246	8290	6360	4215	2430	1326	1030
-27.5°	19476	17070	14586	11758	9565	7281	5099	3049	1685	1206	996
-30°	16681	14670	12714	10772	8531	6159	3638	2179	1377	1098	962
-32.5°	14486	12941	11303	9403	7116	4551	2662	1514	1213	1053	965
-35°	13056	11376	9638	7407	5078	3080	1699	1343	1133	1017	978
-37.5°	10861	9209	6937	4799	3062	1834	1463	1235	1079	1028	949
-40°	7520	5664	4061	2447	1831	1520	1326	1172	1107	1011	898
-42.5°	4123	2770	2002	1741	1507	1382	1266	1202	1102	964	821
-45°	2066	1838	1621	1515	1400	1336	1296	1177	1036	881	731
-47.5°	1688	1590	1496	1441	1391	1329	1213	1087	926	777	653
-50°	1545	1505	1467	1415	1308	1199	1075	943	801	677	568
-52.5°	1511	1426	1341	1252	1144	1024	904	794	677	575	482
-55°	1327	1233	1142	1045	947	851	751	653	564	475	398
-57.5°	1090	1003	925	848	774	691	607	526	454	383	314
-60°	849	774	720	663	602	535	470	408	348	294	239
-62.5°	641	585	539	494	445	394	344	300	257	212	176
-65°	458	415	376	343	310	275	238	208	180	151	122
-67.5°	303	273	245	222	204	185	163	139	121	106	90
-70°	189	173	158	144	131	121	109	96	83	72	61
-72.5°	116	108	100	92	84	77	69	60	52	42	35
-75°	68	63	58	53	48	42	38	34	31	27	23
-77.5°	37	34	32	30	28	26	23	21	20	18	17
-80°	22	21	20	19	18	18	17	16	14	13	12
-82.5°	15	14	13	13	12	12	11	11	10	9	9
-85°	9	8	8	8	8	8	8	8	8	7	7
-87.5°	5	5	5	5	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	3	3	3



REPORT NUMBER: P1306173 (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°	5	5	5	5	5	5	5	5	5	5	5
87.5°	3	3	3	3	3	3	3	3	4	4	5
85°	3	3	3	3	3	3	3	3	4	4	5
82.5°	3	3	3	3	4	4	4	4	4	4	5
80°	4	4	3	3	4	4	4	4	4	4	5
77.5°	5	4	4	3	4	4	5	5	5	5	5
75°	5	5	4	4	4	4	5	5	5	5	5
72.5°	6	5	5	5	5	5	5	5	5	5	5
70°	7	6	5	5	5	5	5	5	5	5	5
67.5°	8	7	6	5	5	5	5	5	5	5	5
65°	10	8	7	6	5	5	5	5	5	5	5
62.5°	13	9	7	6	6	5	5	5	5	5	5
60°	18	13	9	8	6	5	5	5	5	5	5
57.5°	21	16	12	9	8	6	5	5	5	5	5
55°	23	17	14	11	9	7	6	5	5	5	5
52.5°	21	18	15	13	10	8	7	6	5	5	5
50°	18	18	16	14	11	9	8	7	6	5	5
47.5°	16	17	17	15	12	10	9	7	6	6	5
45°	16	17	17	16	13	11	9	8	7	6	5
42.5°	19	18	17	17	15	12	10	9	8	7	6
40°	25	22	19	18	17	13	11	9	8	7	6
37.5°	33	28	23	22	20	15	12	10	9	8	7
35°	57	37	36	32	25	18	13	10	9	8	7
32.5°	89	67	63	47	31	20	15	12	10	8	7
30°	149	143	103	67	42	27	18	13	11	9	8
27.5°	262	242	161	104	61	35	22	15	11	9	8
25°	391	353	259	153	83	55	27	17	12	10	8
22.5°	538	470	373	209	128	83	38	21	14	11	9
20°	684	594	493	280	184	121	58	25	16	11	9
17.5°	836	696	558	365	243	162	81	30	17	12	9
15°	958	763	615	439	298	206	107	35	19	12	10
12.5°	1059	826	667	502	349	250	135	39	21	13	10
10°	1150	884	716	556	397	296	163	44	23	13	10
7.5°	1230	938	760	600	436	324	181	48	25	14	10
5°	1293	980	787	613	440	331	195	52	27	14	10
2.5°	1315	1009	804	617	441	334	205	55	29	15	10
0°	1323	1031	816	616	439	334	212	58	30	15	10
-2.5°	1334	1035	828	641	461	346	223	73	39	20	12
-5°	1332	1033	836	661	480	354	231	86	48	25	14
-7.5°	1286	1007	830	673	494	360	236	99	56	29	15
-10°	1222	965	805	666	503	368	239	110	63	33	17
-12.5°	1146	918	782	658	510	377	245	120	69	37	18
-15°	1059	867	762	650	513	383	246	129	75	40	19
-17.5°	969	814	749	644	513	385	244	136	80	43	20
-20°	940	796	740	640	511	385	238	140	83	45	22



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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°	915	812	739	633	506	382	228	140	84	46	23
-25°	889	830	734	616	498	367	221	138	83	45	23
-27.5°	894	840	722	591	475	348	218	137	82	44	23
-30°	913	820	691	559	447	316	210	134	80	43	23
-32.5°	917	790	650	525	410	283	196	128	77	43	23
-35°	876	742	599	485	370	261	179	120	72	41	22
-37.5°	830	683	551	441	329	236	164	109	66	39	22
-40°	759	623	503	396	295	208	146	98	61	35	20
-42.5°	683	565	454	350	260	186	127	86	56	33	18
-45°	615	504	402	308	224	162	113	73	49	30	16
-47.5°	543	443	349	262	194	137	96	65	42	26	15
-50°	472	380	294	222	161	117	80	57	37	22	14
-52.5°	397	316	244	181	135	96	70	47	31	19	12
-55°	322	256	194	147	109	81	58	40	25	16	10
-57.5°	254	197	154	117	88	66	48	32	21	14	9
-60°	190	153	118	93	71	53	38	25	17	11	9
-62.5°	142	113	93	72	55	41	29	21	13	10	9
-65°	104	86	69	54	40	29	23	16	12	10	8
-67.5°	74	61	49	36	29	22	16	13	11	9	8
-70°	49	39	32	26	21	16	13	11	9	8	8
-72.5°	31	27	22	18	15	13	11	10	9	8	7
-75°	20	18	16	14	12	11	10	9	8	7	7
-77.5°	15	14	12	11	10	9	9	8	8	7	7
-80°	11	11	10	9	9	8	8	8	7	7	7
-82.5°	8	8	8	8	8	7	7	7	7	7	7
-85°	7	7	7	7	7	7	7	6	6	6	6
-87.5°	6	6	6	6	6	6	6	6	6	6	6
-90°	3	3	3	3	3	3	3	3	4	4	5



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)