

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: P1305626 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-3S-CV2-A**

Issue Date: 2/3/2026

**Test Information**

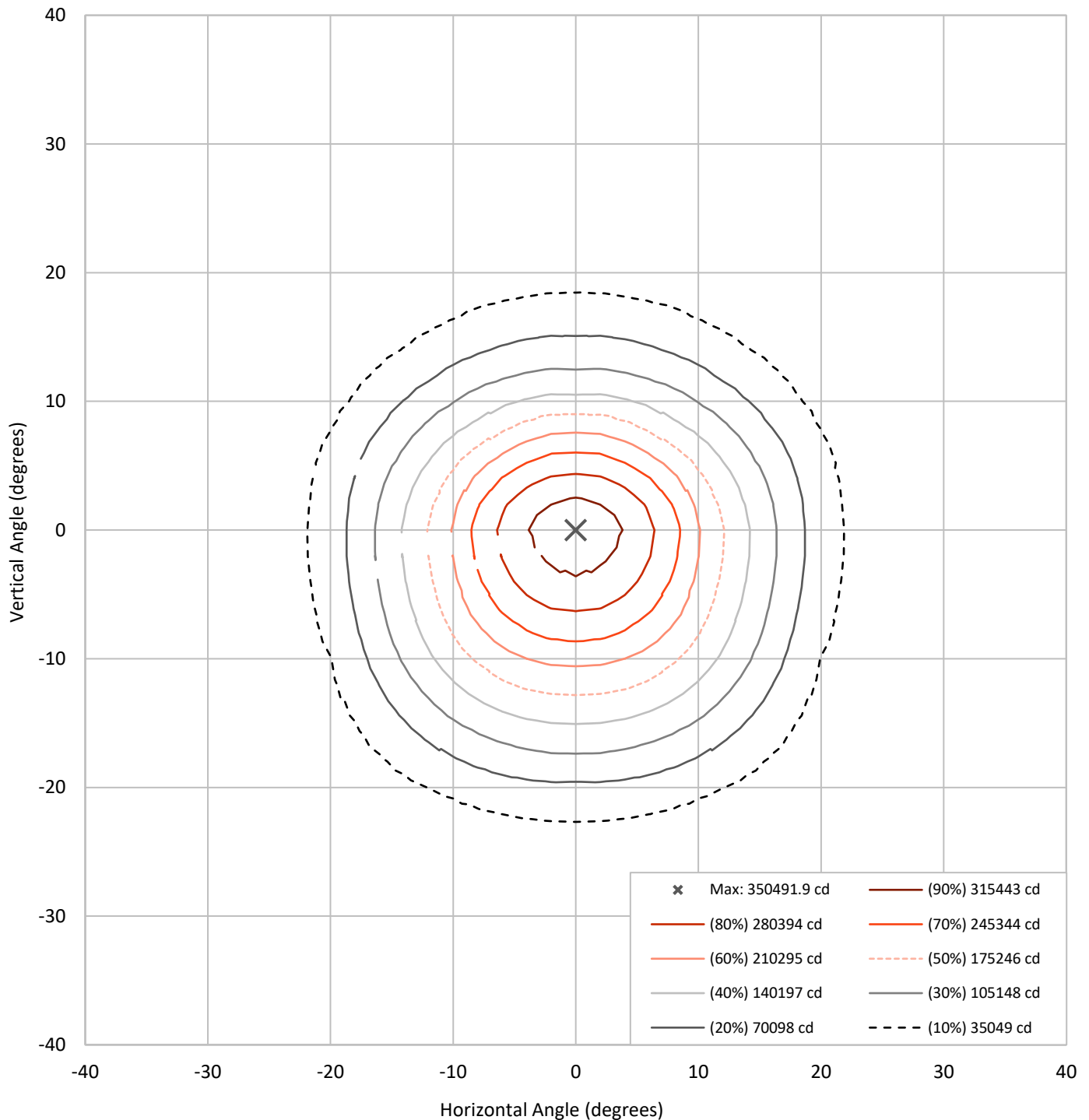
Test Method: LM-79-08  
Report Number: P1305626 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-40-80-3S-CV2-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 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:	69182.8 lumens	Max Intensity:	350491.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.8 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:	31347.7 lumens	Field Lumens:	59323 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
Input Watts (W):	648		
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





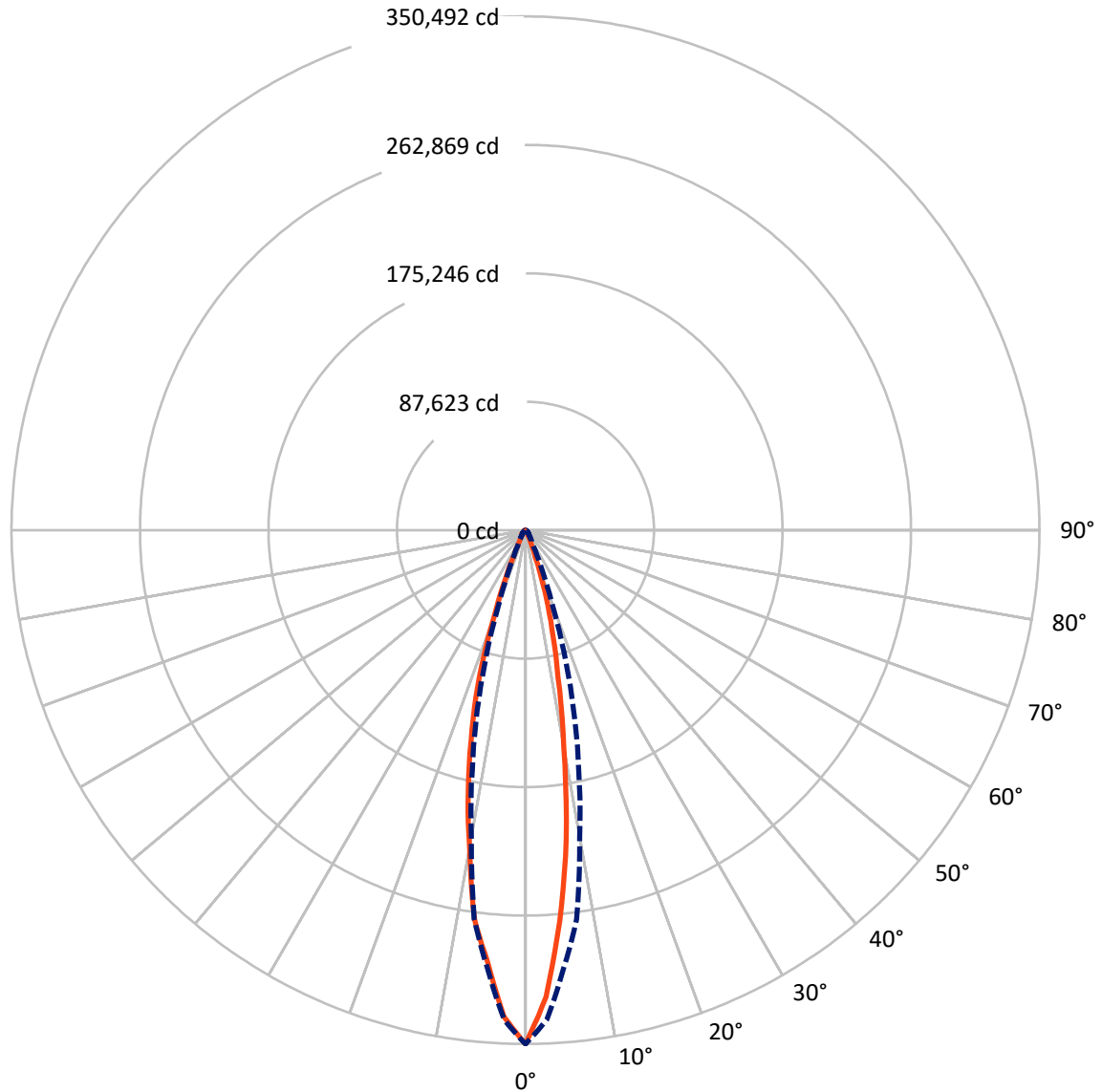
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### Lumen Table

90	0.2	0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2			
80	0.2	0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2			
70	0.2	0.1	0.2	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.4	0.5	0.6	0.9	1.1	1.3	1.3	1.1	0.9	0.6	0.5	0.4	0.2	0.2			
40		0.2	0.9	1.9	3.7	5.8	7.4	9.0	9.0	7.4	5.8	3.7	1.9	0.9	0.2				
30	0.3	0.4	2.8	9.2	24.1	41.5	95.1	198.7	198.7	95.1	41.5	24.1	9.2	2.8	0.4	0.3			
20		0.9	6.8	24.5	60.6	166.1	873.0	2049.9	2049.9	873.0	166.1	60.6	24.5	6.8	0.9				
10	0.4	1.8	12.0	45.9	110.9	500.0	3013.5	6893.8	6893.8	3013.5	500.0	110.9	45.9	12.0	1.8	0.4			
0		3.0	15.9	55.5	127.3	539.6	3477.7	7836.8	7836.8	3477.7	539.6	127.3	55.5	15.9	3.0				
-10	0.6	3.5	16.2	52.8	116.9	314.5	1778.2	3893.3	3893.3	1778.2	314.5	116.9	52.8	16.2	3.5	0.6			
-20		3.3	13.5	34.5	80.5	141.9	326.0	664.3	664.3	326.0	141.9	80.5	34.5	13.5	3.3				
-30	0.5	2.9	9.7	21.2	46.7	83.5	115.5	139.7	139.7	115.5	83.5	46.7	21.2	9.7	2.9	0.5			
-40		2.0	6.8	14.8	26.8	46.1	74.8	97.4	97.4	74.8	46.1	26.8	14.8	6.8	2.0				
-50	0.3	1.0	4.2	9.7	17.5	26.3	34.3	39.4	39.4	34.3	26.3	17.5	9.7	4.2	1.0	0.3			
-60		0.3	1.6	5.0	9.8	15.8	21.8	25.4	25.4	21.8	15.8	9.8	5.0	1.6	0.3				
-70	0.2	0.9		3.4		9.5		13.7		9.5		3.4		0.9		0.2			
-80		0.9		3.4		9.5		13.7		9.5		3.4		0.9					
-90	0.2	0.9		3.4		9.5		13.7		9.5		3.4		0.9		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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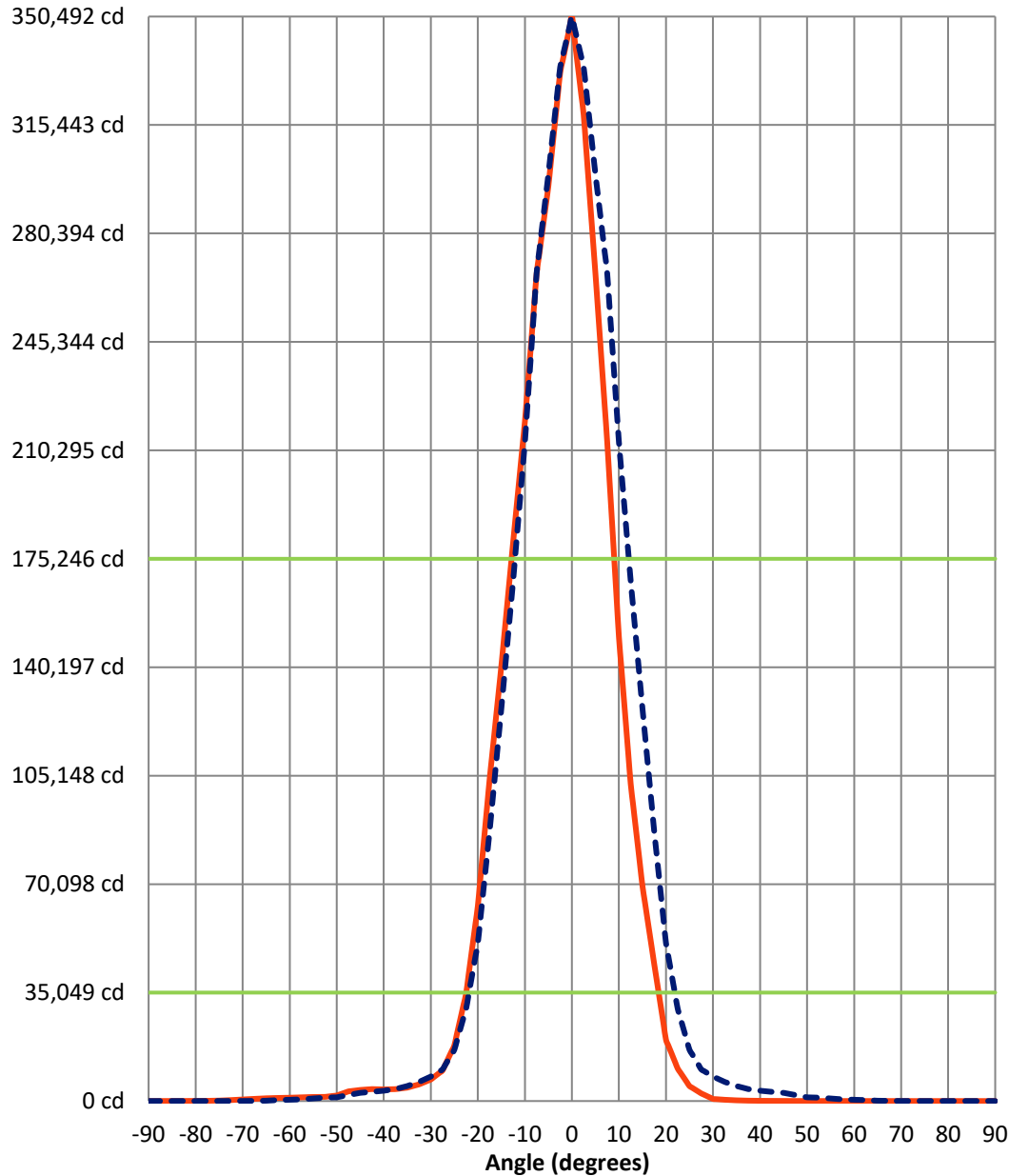
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.2°  
 V Angle: 21.8°  
 Lumens: 31347.7  
 Efficiency: 45.3%

**Field:**  
 H Angle: 43.8°  
 V Angle: 40.9°  
 Lumens: 59323  
 Efficiency: 85.7%

**Spill:**  
 Lumens: 9859.8  
 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°	9	9	9	9	9	9	9	9	10	10	11
87.5°	9	9	9	9	9	9	9	9	9	9	9
85°	9	9	9	9	9	9	9	9	9	9	9
82.5°	9	9	9	10	9	9	9	9	9	9	9
80°	9	9	10	10	10	9	9	9	9	9	9
77.5°	9	9	10	10	10	10	10	10	10	9	9
75°	9	9	10	10	10	10	10	10	10	10	9
72.5°	9	9	10	10	10	10	10	10	10	10	9
70°	9	9	10	10	10	10	11	11	10	10	9
67.5°	9	9	10	11	10	11	11	11	10	10	9
65°	9	9	10	11	11	11	11	11	10	10	10
62.5°	9	9	10	11	11	11	11	11	10	10	10
60°	9	9	11	11	11	11	11	11	10	10	11
57.5°	9	9	11	11	11	11	11	11	11	11	11
55°	9	9	11	11	11	11	11	11	11	11	11
52.5°	9	9	11	11	11	11	11	11	11	11	11
50°	9	9	10	11	11	11	11	11	11	11	12
47.5°	9	9	10	11	11	11	11	11	11	11	12
45°	9	9	10	11	11	11	11	11	11	11	13
42.5°	9	9	10	11	11	11	11	11	11	12	14
40°	9	9	10	11	11	11	11	11	11	12	14
37.5°	9	9	11	11	11	11	12	12	12	13	15
35°	9	9	11	11	11	11	12	12	12	14	15
32.5°	9	9	11	11	11	11	12	12	13	14	16
30°	9	9	11	11	11	11	12	12	13	15	17
27.5°	9	9	11	11	11	12	12	12	14	16	19
25°	9	9	11	11	11	12	12	13	15	18	22
22.5°	9	9	11	11	11	12	12	13	15	20	27
20°	9	9	11	11	11	12	13	13	16	22	31
17.5°	9	9	11	11	11	12	13	14	17	24	36
15°	9	9	11	11	11	12	13	14	18	26	40
12.5°	9	9	11	11	11	12	13	14	20	28	44
10°	9	9	11	11	11	12	13	15	22	32	51
7.5°	9	9	11	11	11	13	14	15	24	37	66
5°	9	9	11	11	11	13	14	16	26	42	81
2.5°	9	9	11	11	11	13	14	16	29	46	96
0°	9	9	11	11	11	13	14	16	31	50	110
-2.5°	9	9	11	11	11	13	16	22	41	67	134
-5°	9	9	11	11	11	13	17	27	50	83	156
-7.5°	9	9	11	11	11	13	18	32	59	98	176
-10°	9	9	11	11	11	12	19	36	67	111	194
-12.5°	9	9	11	11	11	12	20	40	74	123	206
-15°	9	9	11	11	11	12	21	42	81	133	215
-17.5°	9	9	11	11	11	12	21	45	86	141	221
-20°	9	9	11	11	11	12	21	47	90	147	225



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9	9	11	11	11	12	22	49	93	152	225
-25°	9	9	10	11	11	12	22	49	94	155	223
-27.5°	9	9	10	11	11	12	21	47	92	155	226
-30°	9	9	10	11	11	12	20	45	91	154	225
-32.5°	9	9	10	11	11	12	18	43	87	150	223
-35°	9	9	10	11	11	12	17	40	82	143	218
-37.5°	9	9	10	11	11	12	17	37	75	133	202
-40°	9	9	10	11	11	12	17	33	66	123	183
-42.5°	9	9	10	11	11	12	16	27	59	108	163
-45°	9	9	10	11	11	13	15	23	51	92	143
-47.5°	9	9	10	11	12	13	14	21	42	74	123
-50°	9	9	10	11	12	13	14	20	31	62	102
-52.5°	9	9	9	11	12	13	14	18	26	49	80
-55°	9	9	9	10	12	13	14	16	23	35	64
-57.5°	9	9	9	10	12	12	14	16	20	28	47
-60°	9	9	9	10	11	12	14	15	17	24	33
-62.5°	9	9	9	10	11	12	13	15	17	20	28
-65°	9	9	9	10	11	12	13	14	16	18	22
-67.5°	9	9	9	10	11	12	13	14	15	17	19
-70°	9	9	9	9	10	11	12	13	14	16	18
-72.5°	9	9	9	9	10	11	12	13	14	15	16
-75°	9	9	9	9	10	11	12	12	13	13	14
-77.5°	9	9	9	9	10	10	11	12	12	12	13
-80°	9	9	9	9	10	10	11	11	11	12	12
-82.5°	9	9	9	9	9	10	10	11	11	11	11
-85°	9	9	9	9	9	10	10	10	11	11	11
-87.5°	9	9	9	9	9	9	9	10	10	11	11
-90°	9	9	9	9	9	9	9	9	9	9	9



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 CATALOG NUMBER: EPH-08-640L-40-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10	10	9	9	9	9	9	9	9	8	8
87.5°	9	8	8	7	7	7	7	7	7	6	6
85°	9	8	8	7	7	7	7	7	7	6	6
82.5°	9	9	8	9	8	8	8	7	7	6	6
80°	9	9	9	9	9	8	8	7	7	6	6
77.5°	9	9	9	9	9	8	8	7	7	6	6
75°	9	9	9	9	9	8	8	8	8	8	7
72.5°	9	9	9	9	9	9	9	9	9	9	9
70°	9	9	9	9	9	9	10	11	12	13	15
67.5°	9	10	10	9	10	11	12	17	22	25	27
65°	10	10	10	10	11	14	19	26	34	36	36
62.5°	11	11	11	12	14	19	27	35	43	41	36
60°	11	11	12	15	18	25	33	37	40	40	33
57.5°	11	12	14	18	23	29	31	33	35	36	28
55°	11	13	17	22	26	25	26	28	29	27	20
52.5°	12	15	19	24	25	23	21	22	21	19	15
50°	14	17	21	24	24	20	18	18	17	15	13
47.5°	15	18	23	25	22	20	18	17	16	17	16
45°	16	20	24	24	22	21	20	18	21	22	21
42.5°	17	21	24	23	25	25	25	26	28	30	31
40°	17	21	25	28	28	31	34	37	38	41	44
37.5°	17	23	29	36	35	40	45	55	58	55	61
35°	17	26	39	48	49	52	66	81	90	81	90
32.5°	19	30	51	65	74	77	91	122	137	139	140
30°	24	42	67	84	106	124	138	173	198	260	310
27.5°	30	56	85	114	147	180	213	240	321	438	568
25°	35	76	106	150	200	248	293	330	488	727	887
22.5°	47	100	136	191	259	322	377	477	698	1051	1223
20°	65	126	173	239	325	399	463	630	952	1283	1497
17.5°	84	153	213	300	410	492	558	778	1198	1515	1732
15°	105	180	252	367	503	604	738	1010	1416	1743	2009
12.5°	127	208	291	437	603	718	959	1352	1715	2000	2399
10°	148	235	328	509	705	832	1201	1691	2041	2334	2793
7.5°	190	274	368	581	809	945	1455	2020	2347	2645	3128
5°	235	324	431	670	911	1047	1692	2334	2634	2934	3413
2.5°	279	373	491	756	1007	1130	1833	2509	2820	3158	3655
0°	319	419	549	835	1095	1207	1947	2656	2976	3346	3867
-2.5°	352	464	602	881	1126	1251	1971	2710	3056	3453	3969
-5°	379	505	652	918	1150	1290	1966	2730	3124	3534	4062
-7.5°	401	543	697	945	1162	1308	1960	2755	3198	3589	4137
-10°	413	559	707	941	1159	1312	1917	2740	3259	3629	4160
-12.5°	400	554	704	929	1151	1312	1824	2681	3307	3656	4116
-15°	386	546	695	909	1138	1306	1676	2575	3283	3556	3985
-17.5°	370	535	677	881	1122	1296	1458	2308	3035	3385	3844
-20°	354	520	651	844	1098	1246	1356	1970	2680	3174	3597



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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°	337	502	624	810	1013	1164	1280	1625	2313	2913	3229
-25°	329	477	601	748	923	1079	1192	1315	1929	2506	2903
-27.5°	325	454	567	686	837	990	1098	1213	1551	2096	2572
-30°	317	422	531	630	764	896	1002	1122	1258	1698	2138
-32.5°	300	390	494	589	696	812	929	1046	1162	1322	1725
-35°	279	363	457	547	632	743	860	975	1074	1176	1399
-37.5°	262	334	420	505	586	681	789	900	1001	1094	1221
-40°	243	303	385	466	542	623	720	820	924	1032	1132
-42.5°	223	280	349	427	498	573	650	743	846	960	1063
-45°	200	257	313	385	453	522	594	668	768	871	979
-47.5°	176	231	285	342	407	470	536	612	691	784	880
-50°	150	203	255	307	363	420	478	554	629	703	784
-52.5°	125	173	224	274	323	374	430	497	568	637	705
-55°	98	143	190	238	285	332	386	445	506	572	635
-57.5°	76	112	155	200	245	290	343	395	450	508	565
-60°	55	83	118	159	203	248	300	351	398	445	498
-62.5°	36	58	84	116	155	200	247	297	351	393	435
-65°	30	37	55	79	106	144	186	233	280	322	366
-67.5°	23	30	36	45	68	93	120	158	199	234	270
-70°	20	23	28	34	39	50	72	95	119	141	170
-72.5°	18	20	23	26	31	36	41	46	59	77	93
-75°	16	18	20	22	25	27	30	34	38	42	46
-77.5°	14	16	17	19	20	22	24	26	28	30	33
-80°	13	13	15	16	17	18	19	20	21	22	24
-82.5°	12	12	13	13	13	13	13	14	15	15	16
-85°	11	11	11	11	11	12	12	12	11	11	11
-87.5°	11	10	10	10	10	10	10	10	10	9	9
-90°	9	8	8	7	7	7	7	7	7	6	6



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 CATALOG NUMBER: EPH-08-640L-40-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7	7	7	7	7	8	8	9	9	10	12
87.5°	5	5	5	4	4	3	3	2	2	2	2
85°	5	5	5	4	4	3	3	2	2	2	2
82.5°	5	5	5	5	5	5	4	4	3	3	3
80°	5	5	5	5	5	5	5	4	4	3	3
77.5°	6	6	6	6	5	5	5	4	4	3	3
75°	7	7	7	6	6	5	5	4	4	4	4
72.5°	9	8	8	8	8	8	8	7	7	7	7
70°	17	17	17	17	15	13	12	11	9	9	9
67.5°	26	25	24	21	18	16	14	12	11	10	11
65°	33	27	23	20	18	16	14	12	10	9	9
62.5°	30	24	19	17	15	14	12	10	9	8	8
60°	26	19	15	13	11	9	8	8	7	7	7
57.5°	20	14	11	10	9	8	7	8	7	7	7
55°	15	12	11	10	10	9	9	9	9	8	9
52.5°	12	12	12	12	12	11	11	11	11	11	12
50°	13	14	14	14	14	13	13	13	14	15	15
47.5°	16	16	17	16	16	17	17	17	19	21	22
45°	20	23	24	25	25	27	27	28	33	35	36
42.5°	32	35	37	39	39	45	53	57	57	56	57
40°	48	51	58	64	73	80	81	73	74	83	83
37.5°	72	82	97	113	117	112	115	120	126	134	143
35°	115	148	155	167	175	167	171	185	185	211	225
32.5°	203	255	271	259	281	294	254	305	314	341	373
30°	332	439	472	457	515	534	498	600	660	659	809
27.5°	630	684	746	841	853	885	1086	1241	1438	1624	1866
25°	964	994	1173	1290	1348	1561	1858	2100	2518	2908	3721
22.5°	1271	1385	1603	1791	2003	2344	2754	3204	4315	5681	7396
20°	1573	1723	1983	2321	2659	3123	3669	5094	7279	10589	14166
17.5°	1914	2058	2412	2890	3404	4100	5772	8497	13135	19611	25858
15°	2356	2604	2996	3702	4685	6326	9052	15772	25032	35102	45899
12.5°	2873	3281	3920	4833	6248	10125	16976	27766	41604	55748	73493
10°	3374	4057	5034	6472	9289	15398	25605	41177	62380	84248	103846
7.5°	3814	4717	6032	8048	12519	21349	36032	57732	84159	111183	137535
5°	4263	5337	6870	9228	14489	25656	44503	72887	104816	137547	171942
2.5°	4632	5858	7569	10207	15653	27971	49756	83442	120334	157806	200604
0°	4854	6180	7915	10237	16567	29795	51054	87179	126885	168085	212879
-2.5°	4861	6113	7746	10140	16372	29296	51144	87085	126533	166212	210416
-5°	4846	5960	7494	9792	15200	26695	47221	81443	120298	157848	198111
-7.5°	4823	5757	7135	9235	13702	23556	42701	74030	110689	145665	181707
-10°	4796	5548	6804	8757	12344	19822	34350	62881	96510	128786	158341
-12.5°	4773	5462	6538	8099	10693	16610	29001	51388	78621	105874	132055
-15°	4685	5348	6321	7610	9713	13852	21649	37124	59486	81015	101798
-17.5°	4505	5185	5798	6801	8318	11017	16126	25450	39809	56637	71300
-20°	4151	4618	5126	5978	7146	8566	10896	16209	23036	34014	41701



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 CATALOG NUMBER: EPH-08-640L-40-80-3S-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3626	4019	4446	5014	5835	6838	8081	10045	13608	17839	22515
-25°	3148	3430	3826	4314	4753	5407	6279	7041	8579	9824	12396
-27.5°	2785	3019	3378	3757	4081	4431	5038	5576	6325	6979	8024
-30°	2523	2763	3051	3338	3646	3943	4215	4623	5072	5498	6052
-32.5°	2199	2578	2787	3029	3303	3563	3770	4028	4275	4558	4861
-35°	1860	2275	2595	2781	2985	3233	3445	3622	3786	3961	4121
-37.5°	1462	1920	2285	2561	2746	2920	3147	3317	3425	3571	3680
-40°	1257	1440	1855	2230	2469	2742	2954	3133	3332	3487	3576
-42.5°	1156	1263	1373	1679	2054	2382	2655	2950	3216	3427	3623
-45°	1079	1154	1233	1335	1440	1746	2083	2429	2738	3028	3276
-47.5°	976	1064	1136	1200	1265	1359	1459	1600	1897	2199	2487
-50°	869	951	1030	1104	1165	1212	1250	1312	1402	1491	1579
-52.5°	769	845	917	989	1059	1122	1178	1222	1258	1288	1309
-55°	698	757	813	882	950	1013	1071	1125	1174	1219	1249
-57.5°	623	681	739	797	853	908	962	1015	1065	1110	1141
-60°	549	599	657	716	772	825	875	923	967	1006	1030
-62.5°	480	527	576	630	687	742	793	841	887	924	948
-65°	409	449	491	536	582	629	677	726	776	816	842
-67.5°	307	347	389	432	471	507	542	578	614	645	668
-70°	200	230	259	288	321	354	385	415	442	464	482
-72.5°	108	122	138	161	183	205	226	247	266	280	291
-75°	50	57	69	80	90	101	111	121	129	136	140
-77.5°	36	39	41	44	47	51	56	60	64	68	72
-80°	25	27	28	30	31	34	36	38	41	43	46
-82.5°	17	18	19	20	21	22	24	25	26	28	30
-85°	11	12	12	13	13	14	16	17	18	19	21
-87.5°	9	9	9	9	9	10	11	12	12	14	15
-90°	5	5	5	4	4	3	3	2	2	1	1



REPORT NUMBER: P1305626 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	13	14	15	16	15	14	13	12	10	9	9
87.5°	2	2	1	0	1	2	2	2	2	2	2
85°	2	2	1	0	1	2	2	2	2	2	2
82.5°	2	2	2	2	2	2	2	3	3	3	4
80°	2	2	2	2	2	2	2	3	3	4	4
77.5°	2	2	2	2	2	2	2	3	3	4	4
75°	4	4	4	4	4	4	4	4	4	4	4
72.5°	7	7	7	7	7	7	7	7	7	7	7
70°	9	9	9	9	9	9	9	9	9	9	11
67.5°	11	11	11	11	11	11	11	11	10	11	12
65°	9	9	9	9	9	9	9	9	9	10	12
62.5°	8	9	9	9	9	9	8	8	8	9	10
60°	7	7	7	7	7	7	7	7	7	7	8
57.5°	7	7	8	9	8	7	7	7	7	7	8
55°	9	9	10	11	10	9	9	9	8	9	9
52.5°	12	12	13	13	13	12	12	12	11	11	11
50°	16	16	16	16	16	16	16	15	15	14	13
47.5°	23	23	23	24	23	23	23	22	21	19	17
45°	37	37	38	38	38	37	37	36	35	33	28
42.5°	59	60	60	60	60	60	59	57	56	57	57
40°	85	85	84	83	84	85	85	83	83	74	73
37.5°	147	142	133	128	133	142	147	143	134	126	120
35°	228	232	233	231	233	232	228	225	211	185	185
32.5°	382	400	406	417	406	400	382	373	341	314	305
30°	786	780	712	682	712	780	786	809	659	660	600
27.5°	2117	2360	2476	2467	2476	2360	2117	1866	1624	1438	1241
25°	4359	4750	5010	4840	5010	4750	4359	3721	2908	2518	2100
22.5°	8993	9847	10312	10479	10312	9847	8993	7396	5681	4315	3204
20°	18022	19634	20811	19828	20811	19634	18022	14166	10589	7279	5094
17.5°	33458	38472	42908	44294	42908	38472	33458	25858	19611	13135	8497
15°	56308	64776	69809	69516	69809	64776	56308	45899	35102	25032	15772
12.5°	86636	97086	104059	102508	104059	97086	86636	73493	55748	41604	27766
10°	123078	138906	150407	149877	150407	138906	123078	103846	84248	62380	41177
7.5°	160860	186844	209397	213193	209397	186844	160860	137535	111183	84159	57732
5°	209583	243831	266229	267509	266229	243831	209583	171942	137547	104816	72887
2.5°	249105	288394	307295	318748	307295	288394	249105	200604	157806	120334	83442
0°	267622	299561	334118	350492	334118	299561	267622	212879	168085	126885	87179
-2.5°	260025	294250	314985	332338	314985	294250	260025	210416	166212	126533	87085
-5°	242797	276709	294103	295726	294103	276709	242797	198111	157848	120298	81443
-7.5°	214671	243426	261689	267372	261689	243426	214671	181707	145665	110689	74030
-10°	184781	205461	217264	219526	217264	205461	184781	158341	128786	96510	62881
-12.5°	153706	170636	178780	180559	178780	170636	153706	132055	105874	78621	51388
-15°	119282	132022	139355	140631	139355	132022	119282	101798	81015	59486	37124
-17.5°	85141	95493	102921	103908	102921	95493	85141	71300	56637	39809	25450
-20°	52302	59346	63691	63054	63691	59346	52302	41701	34014	23036	16209



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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°	28159	31955	33792	34741	33792	31955	28159	22515	17839	13608	10045
-25°	14885	16493	17318	17964	17318	16493	14885	12396	9824	8579	7041
-27.5°	8856	9409	9717	9885	9717	9409	8856	8024	6979	6325	5576
-30°	6493	6758	6898	6967	6898	6758	6493	6052	5498	5072	4623
-32.5°	5105	5262	5359	5394	5359	5262	5105	4861	4558	4275	4028
-35°	4235	4287	4306	4340	4306	4287	4235	4121	3961	3786	3622
-37.5°	3764	3813	3836	3856	3836	3813	3764	3680	3571	3425	3317
-40°	3617	3669	3722	3761	3722	3669	3617	3576	3487	3332	3133
-42.5°	3709	3794	3852	3860	3852	3794	3709	3623	3427	3216	2950
-45°	3417	3514	3566	3584	3566	3514	3417	3276	3028	2738	2429
-47.5°	2742	2963	3095	3124	3095	2963	2742	2487	2199	1897	1600
-50°	1664	1743	1786	1792	1786	1743	1664	1579	1491	1402	1312
-52.5°	1325	1340	1348	1353	1348	1340	1325	1309	1288	1258	1222
-55°	1276	1300	1313	1319	1313	1300	1276	1249	1219	1174	1125
-57.5°	1168	1192	1203	1205	1203	1192	1168	1141	1110	1065	1015
-60°	1053	1073	1079	1079	1079	1073	1053	1030	1006	967	923
-62.5°	970	991	1002	1007	1002	991	970	948	924	887	841
-65°	865	884	892	895	892	884	865	842	816	776	726
-67.5°	689	708	713	713	713	708	689	668	645	614	578
-70°	497	509	511	509	511	509	497	482	464	442	415
-72.5°	301	308	310	310	310	308	301	291	280	266	247
-75°	144	146	148	150	148	146	144	140	136	129	121
-77.5°	75	79	80	81	80	79	75	72	68	64	60
-80°	48	50	50	51	50	50	48	46	43	41	38
-82.5°	32	34	34	34	34	34	32	30	28	26	25
-85°	22	23	24	25	24	23	22	21	19	18	17
-87.5°	17	18	18	18	18	18	17	15	14	12	12
-90°	0	0	0	0	0	0	0	1	1	2	2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8	8	7	7	7	7	7	8	8	9	9
87.5°	3	3	4	4	5	5	5	6	6	7	7
85°	3	3	4	4	5	5	5	6	6	7	7
82.5°	4	5	5	5	5	5	5	6	6	7	7
80°	5	5	5	5	5	5	5	6	6	7	7
77.5°	5	5	5	6	6	6	6	6	6	7	7
75°	5	5	6	6	7	7	7	7	8	8	8
72.5°	8	8	8	8	8	8	9	9	9	9	9
70°	12	13	15	17	17	17	17	15	13	12	11
67.5°	14	16	18	21	24	25	26	27	25	22	17
65°	14	16	18	20	23	27	33	36	36	34	26
62.5°	12	14	15	17	19	24	30	36	41	43	35
60°	8	9	11	13	15	19	26	33	40	40	37
57.5°	7	8	9	10	11	14	20	28	36	35	33
55°	9	9	10	10	11	12	15	20	27	29	28
52.5°	11	11	12	12	12	12	12	15	19	21	22
50°	13	13	14	14	14	14	13	13	15	17	18
47.5°	17	17	16	16	17	16	16	16	17	16	17
45°	27	27	25	25	24	23	20	21	22	21	18
42.5°	53	45	39	39	37	35	32	31	30	28	26
40°	81	80	73	64	58	51	48	44	41	38	37
37.5°	115	112	117	113	97	82	72	61	55	58	55
35°	171	167	175	167	155	148	115	90	81	90	81
32.5°	254	294	281	259	271	255	203	140	139	137	122
30°	498	534	515	457	472	439	332	310	260	198	173
27.5°	1086	885	853	841	746	684	630	568	438	321	240
25°	1858	1561	1348	1290	1173	994	964	887	727	488	330
22.5°	2754	2344	2003	1791	1603	1385	1271	1223	1051	698	477
20°	3669	3123	2659	2321	1983	1723	1573	1497	1283	952	630
17.5°	5772	4100	3404	2890	2412	2058	1914	1732	1515	1198	778
15°	9052	6326	4685	3702	2996	2604	2356	2009	1743	1416	1010
12.5°	16976	10125	6248	4833	3920	3281	2873	2399	2000	1715	1352
10°	25605	15398	9289	6472	5034	4057	3374	2793	2334	2041	1691
7.5°	36032	21349	12519	8048	6032	4717	3814	3128	2645	2347	2020
5°	44503	25656	14489	9228	6870	5337	4263	3413	2934	2634	2334
2.5°	49756	27971	15653	10207	7569	5858	4632	3655	3158	2820	2509
0°	51054	29795	16567	10237	7915	6180	4854	3867	3346	2976	2656
-2.5°	51144	29296	16372	10140	7746	6113	4861	3969	3453	3056	2710
-5°	47221	26695	15200	9792	7494	5960	4846	4062	3534	3124	2730
-7.5°	42701	23556	13702	9235	7135	5757	4823	4137	3589	3198	2755
-10°	34350	19822	12344	8757	6804	5548	4796	4160	3629	3259	2740
-12.5°	29001	16610	10693	8099	6538	5462	4773	4116	3656	3307	2681
-15°	21649	13852	9713	7610	6321	5348	4685	3985	3556	3283	2575
-17.5°	16126	11017	8318	6801	5798	5185	4505	3844	3385	3035	2308
-20°	10896	8566	7146	5978	5126	4618	4151	3597	3174	2680	1970



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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°	8081	6838	5835	5014	4446	4019	3626	3229	2913	2313	1625
-25°	6279	5407	4753	4314	3826	3430	3148	2903	2506	1929	1315
-27.5°	5038	4431	4081	3757	3378	3019	2785	2572	2096	1551	1213
-30°	4215	3943	3646	3338	3051	2763	2523	2138	1698	1258	1122
-32.5°	3770	3563	3303	3029	2787	2578	2199	1725	1322	1162	1046
-35°	3445	3233	2985	2781	2595	2275	1860	1399	1176	1074	975
-37.5°	3147	2920	2746	2561	2285	1920	1462	1221	1094	1001	900
-40°	2954	2742	2469	2230	1855	1440	1257	1132	1032	924	820
-42.5°	2655	2382	2054	1679	1373	1263	1156	1063	960	846	743
-45°	2083	1746	1440	1335	1233	1154	1079	979	871	768	668
-47.5°	1459	1359	1265	1200	1136	1064	976	880	784	691	612
-50°	1250	1212	1165	1104	1030	951	869	784	703	629	554
-52.5°	1178	1122	1059	989	917	845	769	705	637	568	497
-55°	1071	1013	950	882	813	757	698	635	572	506	445
-57.5°	962	908	853	797	739	681	623	565	508	450	395
-60°	875	825	772	716	657	599	549	498	445	398	351
-62.5°	793	742	687	630	576	527	480	435	393	351	297
-65°	677	629	582	536	491	449	409	366	322	280	233
-67.5°	542	507	471	432	389	347	307	270	234	199	158
-70°	385	354	321	288	259	230	200	170	141	119	95
-72.5°	226	205	183	161	138	122	108	93	77	59	46
-75°	111	101	90	80	69	57	50	46	42	38	34
-77.5°	56	51	47	44	41	39	36	33	30	28	26
-80°	36	34	31	30	28	27	25	24	22	21	20
-82.5°	24	22	21	20	19	18	17	16	15	15	14
-85°	16	14	13	13	12	12	11	11	11	11	12
-87.5°	11	10	9	9	9	9	9	9	9	10	10
-90°	3	3	4	4	5	5	5	6	6	7	7



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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°	9	9	9	9	9	10	10	11	10	10	9
87.5°	7	7	7	7	8	8	9	9	9	9	9
85°	7	7	7	7	8	8	9	9	9	9	9
82.5°	8	8	8	9	8	9	9	9	9	9	9
80°	8	8	9	9	9	9	9	9	9	9	9
77.5°	8	8	9	9	9	9	9	9	9	10	10
75°	8	8	9	9	9	9	9	9	10	10	10
72.5°	9	9	9	9	9	9	9	9	10	10	10
70°	10	9	9	9	9	9	9	9	10	10	11
67.5°	12	11	10	9	10	10	9	9	10	10	11
65°	19	14	11	10	10	10	10	10	10	10	11
62.5°	27	19	14	12	11	11	11	10	10	10	11
60°	33	25	18	15	12	11	11	11	10	10	11
57.5°	31	29	23	18	14	12	11	11	11	11	11
55°	26	25	26	22	17	13	11	11	11	11	11
52.5°	21	23	25	24	19	15	12	11	11	11	11
50°	18	20	24	24	21	17	14	12	11	11	11
47.5°	18	20	22	25	23	18	15	12	11	11	11
45°	20	21	22	24	24	20	16	13	11	11	11
42.5°	25	25	25	23	24	21	17	14	12	11	11
40°	34	31	28	28	25	21	17	14	12	11	11
37.5°	45	40	35	36	29	23	17	15	13	12	12
35°	66	52	49	48	39	26	17	15	14	12	12
32.5°	91	77	74	65	51	30	19	16	14	13	12
30°	138	124	106	84	67	42	24	17	15	13	12
27.5°	213	180	147	114	85	56	30	19	16	14	12
25°	293	248	200	150	106	76	35	22	18	15	13
22.5°	377	322	259	191	136	100	47	27	20	15	13
20°	463	399	325	239	173	126	65	31	22	16	13
17.5°	558	492	410	300	213	153	84	36	24	17	14
15°	738	604	503	367	252	180	105	40	26	18	14
12.5°	959	718	603	437	291	208	127	44	28	20	14
10°	1201	832	705	509	328	235	148	51	32	22	15
7.5°	1455	945	809	581	368	274	190	66	37	24	15
5°	1692	1047	911	670	431	324	235	81	42	26	16
2.5°	1833	1130	1007	756	491	373	279	96	46	29	16
0°	1947	1207	1095	835	549	419	319	110	50	31	16
-2.5°	1971	1251	1126	881	602	464	352	134	67	41	22
-5°	1966	1290	1150	918	652	505	379	156	83	50	27
-7.5°	1960	1308	1162	945	697	543	401	176	98	59	32
-10°	1917	1312	1159	941	707	559	413	194	111	67	36
-12.5°	1824	1312	1151	929	704	554	400	206	123	74	40
-15°	1676	1306	1138	909	695	546	386	215	133	81	42
-17.5°	1458	1296	1122	881	677	535	370	221	141	86	45
-20°	1356	1246	1098	844	651	520	354	225	147	90	47



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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°	1280	1164	1013	810	624	502	337	225	152	93	49
-25°	1192	1079	923	748	601	477	329	223	155	94	49
-27.5°	1098	990	837	686	567	454	325	226	155	92	47
-30°	1002	896	764	630	531	422	317	225	154	91	45
-32.5°	929	812	696	589	494	390	300	223	150	87	43
-35°	860	743	632	547	457	363	279	218	143	82	40
-37.5°	789	681	586	505	420	334	262	202	133	75	37
-40°	720	623	542	466	385	303	243	183	123	66	33
-42.5°	650	573	498	427	349	280	223	163	108	59	27
-45°	594	522	453	385	313	257	200	143	92	51	23
-47.5°	536	470	407	342	285	231	176	123	74	42	21
-50°	478	420	363	307	255	203	150	102	62	31	20
-52.5°	430	374	323	274	224	173	125	80	49	26	18
-55°	386	332	285	238	190	143	98	64	35	23	16
-57.5°	343	290	245	200	155	112	76	47	28	20	16
-60°	300	248	203	159	118	83	55	33	24	17	15
-62.5°	247	200	155	116	84	58	36	28	20	17	15
-65°	186	144	106	79	55	37	30	22	18	16	14
-67.5°	120	93	68	45	36	30	23	19	17	15	14
-70°	72	50	39	34	28	23	20	18	16	14	13
-72.5°	41	36	31	26	23	20	18	16	15	14	13
-75°	30	27	25	22	20	18	16	14	13	13	12
-77.5°	24	22	20	19	17	16	14	13	12	12	12
-80°	19	18	17	16	15	13	13	12	12	11	11
-82.5°	13	13	13	13	13	12	12	11	11	11	11
-85°	12	12	11	11	11	11	11	11	11	11	10
-87.5°	10	10	10	10	10	10	11	11	11	10	10
-90°	7	7	7	7	8	8	9	9	9	9	9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9	9	9	9	9	9	9
87.5°	9	9	9	9	9	9	9
85°	9	9	9	9	9	9	9
82.5°	9	9	9	10	9	9	9
80°	9	9	10	10	10	9	9
77.5°	10	10	10	10	10	9	9
75°	10	10	10	10	10	9	9
72.5°	10	10	10	10	10	9	9
70°	11	10	10	10	10	9	9
67.5°	11	11	10	11	10	9	9
65°	11	11	11	11	10	9	9
62.5°	11	11	11	11	10	9	9
60°	11	11	11	11	11	9	9
57.5°	11	11	11	11	11	9	9
55°	11	11	11	11	11	9	9
52.5°	11	11	11	11	11	9	9
50°	11	11	11	11	10	9	9
47.5°	11	11	11	11	10	9	9
45°	11	11	11	11	10	9	9
42.5°	11	11	11	11	10	9	9
40°	11	11	11	11	10	9	9
37.5°	12	11	11	11	11	9	9
35°	12	11	11	11	11	9	9
32.5°	12	11	11	11	11	9	9
30°	12	11	11	11	11	9	9
27.5°	12	12	11	11	11	9	9
25°	12	12	11	11	11	9	9
22.5°	12	12	11	11	11	9	9
20°	13	12	11	11	11	9	9
17.5°	13	12	11	11	11	9	9
15°	13	12	11	11	11	9	9
12.5°	13	12	11	11	11	9	9
10°	13	12	11	11	11	9	9
7.5°	14	13	11	11	11	9	9
5°	14	13	11	11	11	9	9
2.5°	14	13	11	11	11	9	9
0°	14	13	11	11	11	9	9
-2.5°	16	13	11	11	11	9	9
-5°	17	13	11	11	11	9	9
-7.5°	18	13	11	11	11	9	9
-10°	19	12	11	11	11	9	9
-12.5°	20	12	11	11	11	9	9
-15°	21	12	11	11	11	9	9
-17.5°	21	12	11	11	11	9	9
-20°	21	12	11	11	11	9	9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22	12	11	11	11	9	9
-25°	22	12	11	11	10	9	9
-27.5°	21	12	11	11	10	9	9
-30°	20	12	11	11	10	9	9
-32.5°	18	12	11	11	10	9	9
-35°	17	12	11	11	10	9	9
-37.5°	17	12	11	11	10	9	9
-40°	17	12	11	11	10	9	9
-42.5°	16	12	11	11	10	9	9
-45°	15	13	11	11	10	9	9
-47.5°	14	13	12	11	10	9	9
-50°	14	13	12	11	10	9	9
-52.5°	14	13	12	11	9	9	9
-55°	14	13	12	10	9	9	9
-57.5°	14	12	12	10	9	9	9
-60°	14	12	11	10	9	9	9
-62.5°	13	12	11	10	9	9	9
-65°	13	12	11	10	9	9	9
-67.5°	13	12	11	10	9	9	9
-70°	12	11	10	9	9	9	9
-72.5°	12	11	10	9	9	9	9
-75°	12	11	10	9	9	9	9
-77.5°	11	10	10	9	9	9	9
-80°	11	10	10	9	9	9	9
-82.5°	10	10	9	9	9	9	9
-85°	10	10	9	9	9	9	9
-87.5°	9	9	9	9	9	9	9
-90°	9	9	9	9	9	9	9

(END OF REPORT)