## **Exposure Value Chart**

<u>EV</u>	TYPE OF LIGHTING SITUATION								
-6	Night, away from city lights, subject under starlight only.								
-5	Night, away from city lights, subject under crescent moon.								
-4	Night, away from city lights, subject under half moon. Meteors (during showers, with time exposure).								
-3	Night, away from city lights, subject under full moon.								
-2	Night, away from city lights, snowscape under full moon.								
-1	Subjects lit by dim ambient artificial light.								
0	Subjects lit by dim ambient artificial light.								
1	Distant view of lighted skyline.								
2	Lightning (with time exposure). Total eclipse of moon.								
3	Fireworks (with time exposure).								
4	Candle lit close-ups. Christmas lights, floodlit buildings, fountains, and monuments. Subjects under bright street lamps.								
5	Night home interiors, average light. School or church auditoriums. Subjects lit by campfires or bonfires.								
6	Brightly lit home interiors at night. Fairs, amusement parks.								
7	Bottom of rainforest canopy. Brightly lighted nighttime streets. Indoor sports. Stage shows, circuses.								
8	Las Vegas or Times Square at night. Store windows. Campfires, bonfires, burning buildings. Ice shows, football, baseball etc. at night. Interiors with bright florescent lights.								
9	Landscapes, city skylines 10 minutes after sunset. Neon lights, spotlighted subjects.								
10	Landscapes and skylines immediately after sunset. Crescent moon (long lens).								
11	Sunsets. Subjects in deep shade.								
12	Half moon (long lens). Subject in open shade or heavy overcast.								
13	Gibbous moon (long lens). Subjects in cloudy-bright light (no shadows).								
14	Full moon (long lens). Subjects in weak, hazy sun.								
15	Subjects in bright or hazy sun (Sunny f/16 rule).								
16	Subjects in bright daylight on sand or snow.								
17	Rarely encountered in nature. Some man made lighting.								
18	Rarely encountered in nature. Some man made lighting.								
19	Rarely encountered in nature. Some man made lighting.								
20	Rarely encountered in nature. Some man made lighting.								
21	Rarely encountered in nature. Some man made lighting.								
22	Extremely bright. Rarely encountered in nature.								
23	Extremely bright. Rarely encountered in nature.								

## **Exposure Factor Relationship Chart B**

					(IS	50/	SPEE 'AS/ BER	<u>A</u>						<u>RE OF</u> STOP)					
	ISO 25	ISO 50			ISO	ISO	ISO 1600	ISO	f/1.4	f/2.0	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	
	1	0	-1	-2	-3	-4	-5	-6	4 sec	8 sec	15 sec	30 sec	1 min	2 min	4 min	8 min	16 min	32 min	
	2	1	0	-1	-2	-3	-4	-5	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	2 min	4 min	8 min	16 min	
	3	2	1	0	-1	-2	-3	-4	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	2 min	4 min	8 min	Ē
	4	3	2	1	0	-1	-2	-3	1/2 sec	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	2 min	4 min	Ē
	5	4	3	2	1	0	-1	-2	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	2 min	Ē
E	6	5	4	3	2	1	0	-1	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	s
v	7	6	5	4	3	2	1	0	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	н
	8	7	6	5	4	3	2	1	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	8 sec	15 sec	U
N	9	8	7	6	5	4	3	2	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	8 sec	T
U	10	9	8	7	6	5	4	3	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	4 sec	Т
м	11	10	9	8	7	6	5	4	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	2 sec	E
в	12	11	10	9	8	7	6	5	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	1 sec	R
E	13	12	11	10	9	8	7	6	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	1/2 sec	
R	14	13	12	11	10	9	8	7	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	1/4 sec	s
s	15	14	13	12	11	10	9	8	1/4000 sec	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	1/8 sec	Р
	16	15	14	13	12	11	10	9	1/8000 sec	1/4000 sec	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	1/15 sec	E
	17	16	15	14	13	12	11	10	1/15000 sec	1/8000 sec	1/4000 sec	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	1/30 sec	E
	18	17	16	15	14	13	12	11	1/30000 sec	1/15000 sec	1/8000 sec	1/4000 sec	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	1/60 sec	D
	19	18	17	16	15	14	13	12	1/60000 sec	1/30000 sec	1/15000 sec	1/8000 sec	1/4000 sec	1/2000 sec	1/1000 sec	1/500 sec	1/250 sec	1/125 sec	s
	20	19	18	17	16	15	14	13	1/125000 sec	1/60000 sec	1/30000 sec	1/15000 sec	1/8000 sec	1/4000 sec	1/2000 sec	1/1000 sec	-	1/250 sec	
	21	20	19	18	17	16	15	14	1/250000 sec	1/125000 sec			1/15000 sec		1/4000 sec		1/1000 sec		
	22	21	20	19	18	17	16	15	1/500000 sec	1/250000 sec			1/30000 sec		1/8000 sec		1/2000 sec		
	23	22	21	20	19	18	17	16	1/1000000 sec			-			1/15000sec		1/4000 sec		