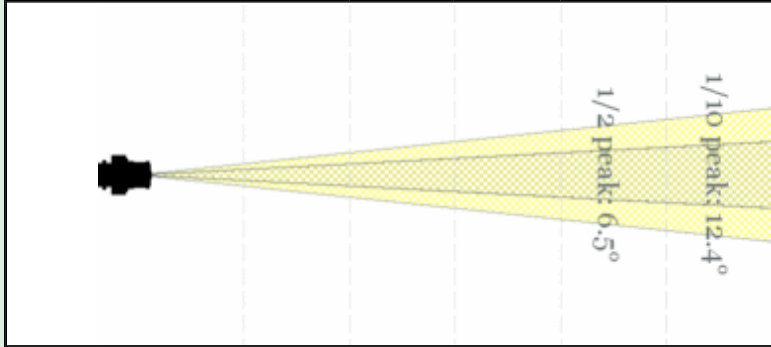


Narrow (PC lens) , Zoom at Hypermode (12.4°)

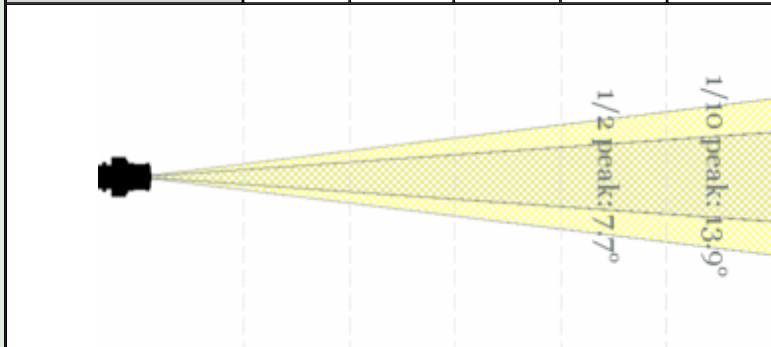
Distance (ft.)	49	98	148	197	246
1/10 peak	10.7	21.3	32.2	42.8	53.5
1/2 peak	5.6	11.1	16.8	22.4	27.9
Illuminance (fc)	1147	287	126	71	45



Efficiency
35%
Half-peak diameter
0.11 X distance(ft)
One-tenth peak diameter
0.22 X distance(ft)
Illuminance
$2753000 / \text{distance}^2$ (fc)
Total Output
39000 (lumens)

Narrow (PC lens) , Zoom at Minimum (13.9°)

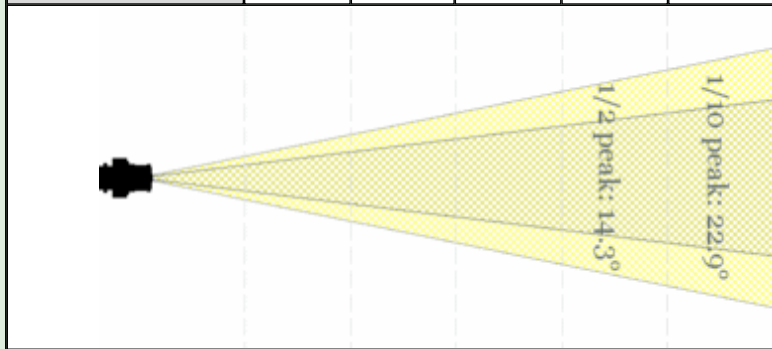
Distance (ft.)	33	66	98	131	164
1/10 peak	8.1	16.1	23.9	31.9	40.0
1/2 peak	4.4	8.9	13.2	17.6	22.1
Illuminance (fc)	1341	335	152	85	54



Efficiency
26%
Half-peak diameter
0.13 X distance(ft)
One-tenth peak diameter
0.24 X distance(ft)
Illuminance
$1460000 / \text{distance}^2$ (fc)
Total Output
28900 (lumens)

Narrow (PC lens) , Zoom at Median (22.9°)

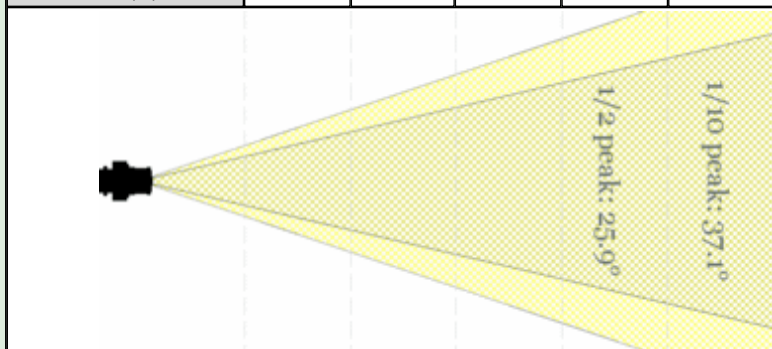
Distance (ft.)	16	33	49	66	82
1/10 peak	6.5	13.4	19.9	26.7	33.2
1/2 peak	4.0	8.3	12.3	16.6	20.6
Illuminance (fc)	2184	513	233	128	83



Efficiency
30%
Half-peak diameter
0.25 X distance(ft)
One-tenth peak diameter
0.41 X distance(ft)
Illuminance
$559000 / \text{distance}^2 \text{ (fc)}$
Total Output
32800 (lumens)

Narrow (PC lens) , Zoom at Maximum (37.1°)

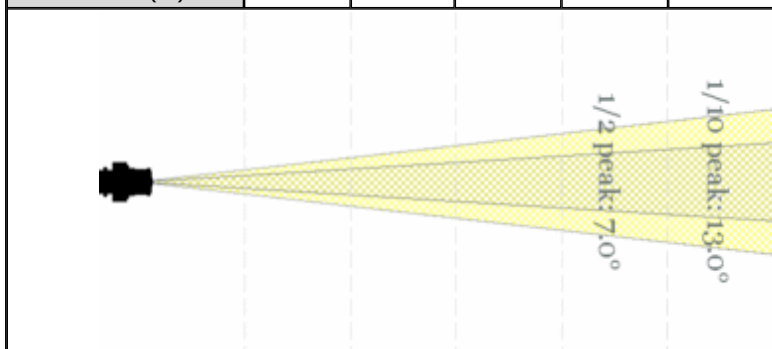
Distance (ft.)	10	20	30	39	49
1/10 peak	6.7	13.4	20.1	26.2	32.9
1/2 peak	4.6	9.2	13.8	17.9	22.5
Illuminance (fc)	2200	550	244	145	92



Efficiency
34%
Half-peak diameter
0.46 X distance(ft)
One-tenth peak diameter
0.67 X distance(ft)
Illuminance
$220000 / \text{distance}^2 \text{ (fc)}$
Total Output
37400 (lumens)

Medium (Fresnel lens) , Zoom at Hypermode (13°)

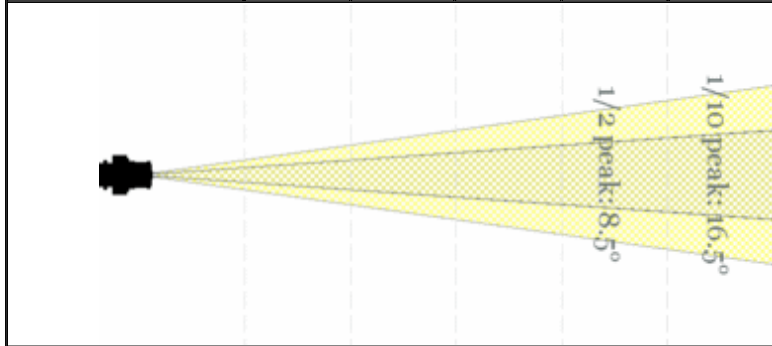
Distance (ft.)	33	66	98	131	164
1/10 peak	7.5	15.0	22.3	29.9	37.4
1/2 peak	4.0	8.1	12.0	16.0	20.1
Illuminance (fc)	2025	506	230	128	82



Efficiency
35%
Half-peak diameter
0.12 X distance(ft)
One-tenth peak diameter
0.23 X distance(ft)
Illuminance
$2205000 / \text{distance}^2 \text{ (fc)}$
Total Output
38300 (lumens)

Medium (Fresnel lens) , Zoom at Minimum (16.5°)

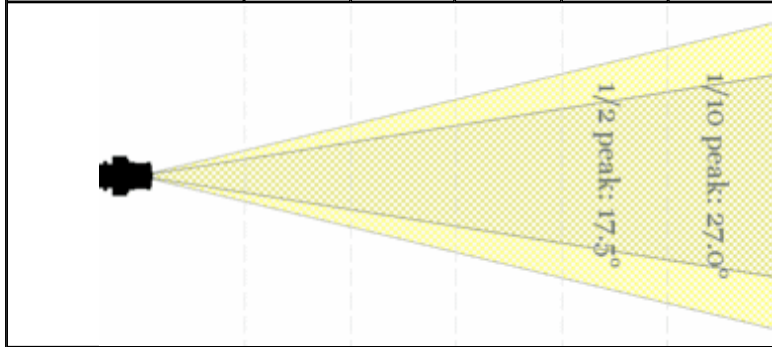
Distance (ft.)	33	66	98	131	164
1/10 peak	9.6	19.1	28.4	38.0	47.6
1/2 peak	4.9	9.8	14.6	19.5	24.4
Illuminance (fc)	964	241	109	61	39



Efficiency
25%
Half-peak diameter
0.15 X distance(ft)
One-tenth peak diameter
0.29 X distance(ft)
Illuminance
$1050000 / \text{distance}^2 \text{ (fc)}$
Total Output
27300 (lumens)

Medium (Fresnel lens) , Zoom at Median (27°)

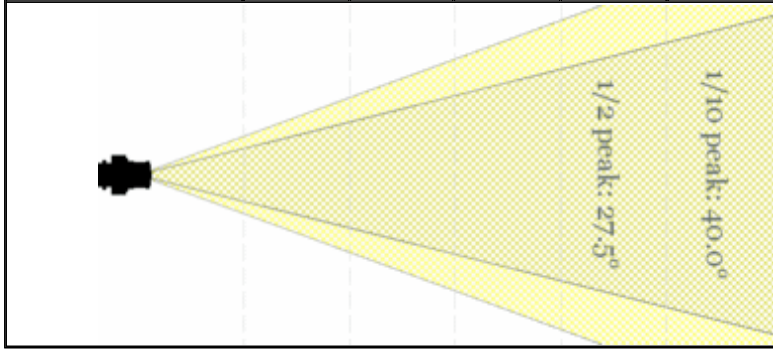
Distance (ft.)	13	26	39	52	66
1/10 peak	6.2	12.5	18.7	25.0	31.7
1/2 peak	4.0	8.0	12.0	16.0	20.3
Illuminance (fc)	2213	553	246	138	86



Efficiency
30%
Half-peak diameter
0.31 X distance(ft)
One-tenth peak diameter
0.48 X distance(ft)
Illuminance
$374000 / \text{distance}^2 \text{ (fc)}$
Total Output
32500 (lumens)

Medium (Fresnel lens) , Zoom at Maximum (40°)

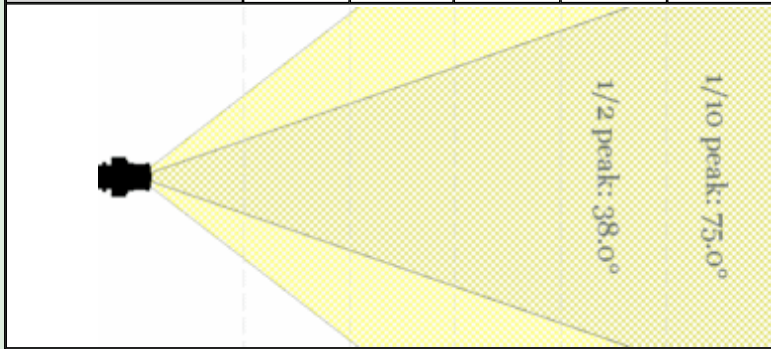
Distance (ft.)	10	20	30	39	49
1/10 peak	7.3	14.6	21.8	28.4	35.7
1/2 peak	4.9	9.8	14.7	19.1	24.0
Illuminance (fc)	1830	458	203	120	76



Efficiency
32%
Half-peak diameter
0.49 X distance(ft)
One-tenth peak diameter
0.73 X distance(ft)
Illuminance
$183000 / \text{distance}^2$ (fc)
Total Output
35300 (lumens)

Very Wide (Super Wide lens) , Zoom at Hypermode (75°)

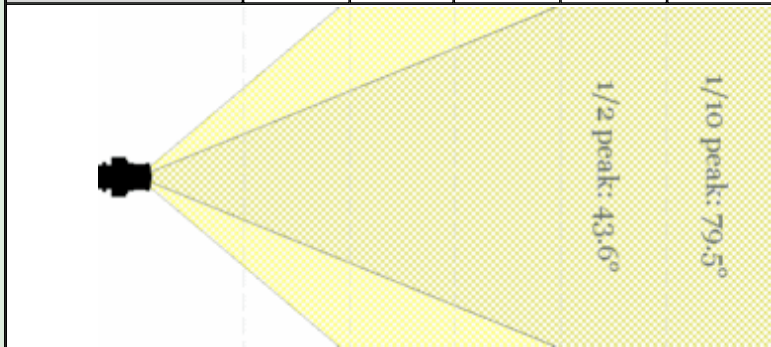
Distance (ft.)	7	13	20	26	33
1/10 peak	10.7	20.0	30.7	39.9	50.6
1/2 peak	4.8	9.0	13.8	17.9	22.7
Illuminance (fc)	1531	444	188	111	69



Efficiency
41%
Half-peak diameter
0.69 X distance(ft)
One-tenth peak diameter
1.53 X distance(ft)
Illuminance
$75000 / \text{distance}^2 \text{ (fc)}$
Total Output
45300 (lumens)

Very Wide (Super Wide lens) , Zoom at Minimum (79.5°)

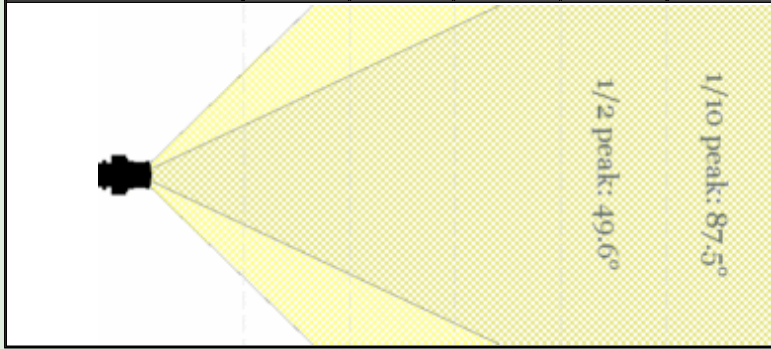
Distance (ft.)	5	10	15	20	25
1/10 peak	8.3	16.6	25.0	33.3	41.6
1/2 peak	4.0	8.0	12.0	16.0	20.0
Illuminance (fc)	1720	430	191	108	69



Efficiency
27%
Half-peak diameter
0.80 X distance(ft)
One-tenth peak diameter
1.66 X distance(ft)
Illuminance
$43000 / \text{distance}^2 \text{ (fc)}$
Total Output
30100 (lumens)

Very Wide (Super Wide lens) , Zoom at Median (87.5°)

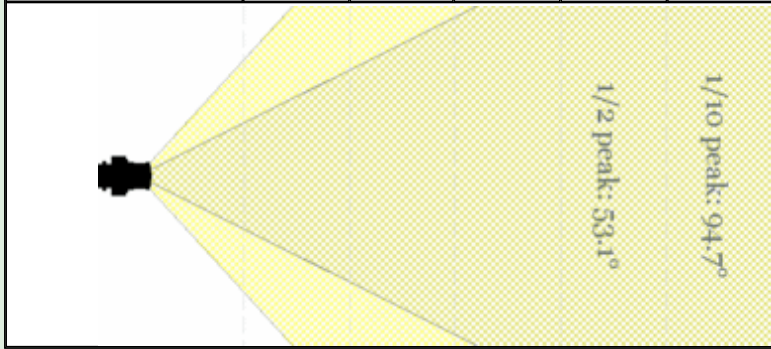
Distance (ft.)	5	10	15	20	25
1/10 peak	9.6	19.2	28.7	38.3	47.9
1/2 peak	4.6	9.2	13.9	18.5	23.1
Illuminance (fc)	1680	420	187	105	67



Efficiency
32%
Half-peak diameter
0.92 X distance(ft)
One-tenth peak diameter
1.91 X distance(ft)
Illuminance
$42000 / \text{distance}^2$ (fc)
Total Output
35700 (lumens)

Very Wide (Super Wide lens) , Zoom at Maximum (94.7°)

Distance (ft.)	5	10	15	20	25
1/10 peak	10.9	21.7	32.6	43.4	54.3
1/2 peak	5.0	10.0	15.0	20.0	25.0
Illuminance (fc)	1600	400	178	100	64



Efficiency
36%
Half-peak diameter
1.00 X distance(ft)
One-tenth peak diameter
2.17 X distance(ft)
Illuminance
$40000 / \text{distance}^2$ (fc)
Total Output
39400 (lumens)