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GROUNDCONTROL LONGTHROW™ LUMINAIRE PHOTOMETRICS

REFERENCE GUIDE

GCLT Narrow Field of View

Iris Full Open
2.5º Full Angle

Throw Dist. (Ft)	50	100	200	300	400
Beam Dia. (Ft)	1.8	3.5	7.0	10.5	14.0
Illuminance (fc)	8466	2117	529	235	132
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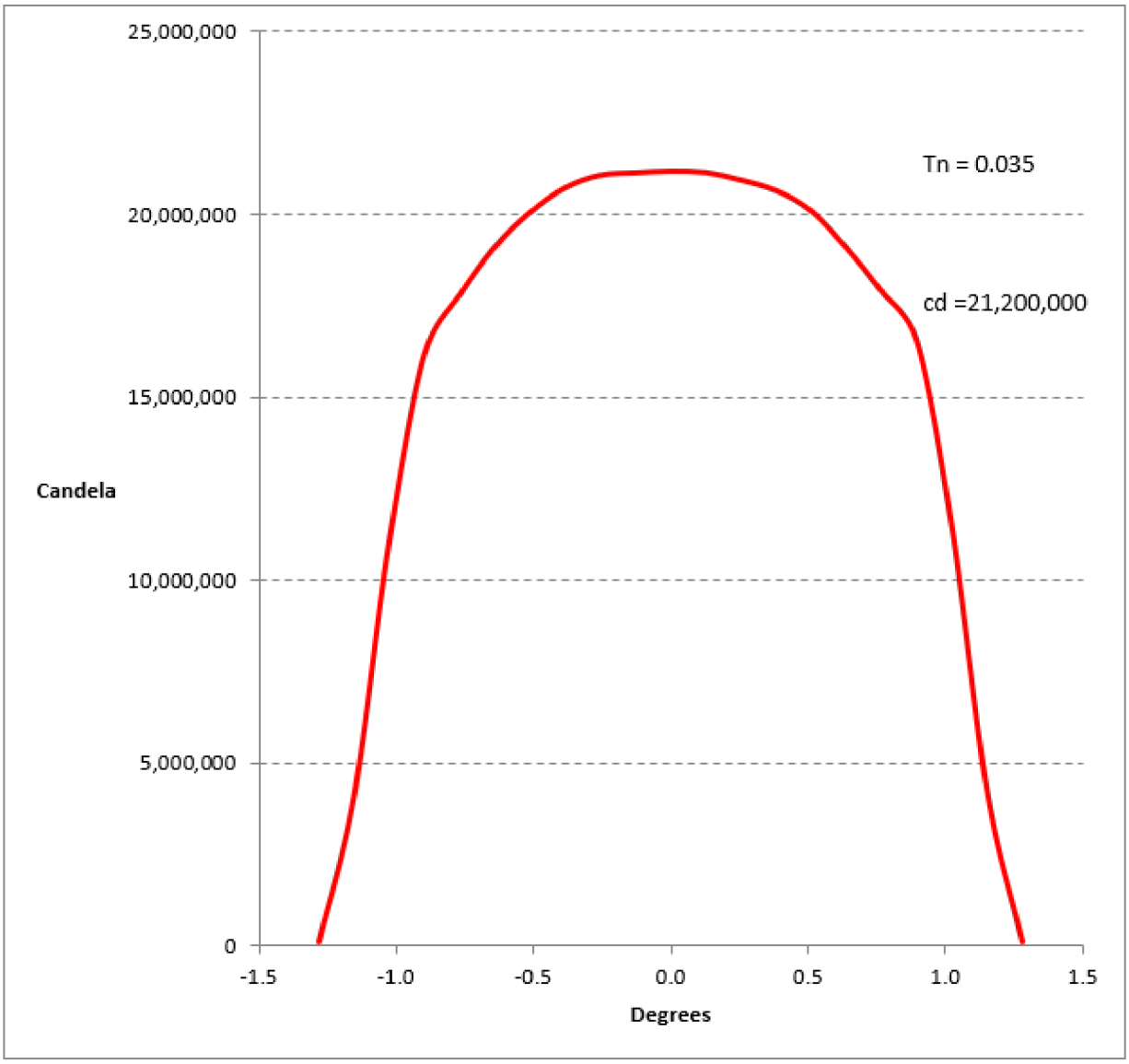
Throw Dist. (m)	15	30	60	90	120
Beam Dia. (m)	0.5	1.1	2.1	3.2	4.2
Illuminance (lux)	94072	23518	5879	2613	1470

Multiply throw distance by Tn to find beam diameter.

Divide cd (candela) by distance squared to find center beam illuminance.
Distance in feet = foot candles
Distance in meters = lux



GCLT Medium Field of View

Iris Full Open
4º Full Angle

Throw Dist. (Ft)	50	100	200	300	400
Beam Dia. (Ft)	3.5	7.0	14.0	21.0	28.0
Illuminance (fc)	5874	1468	367	163	92
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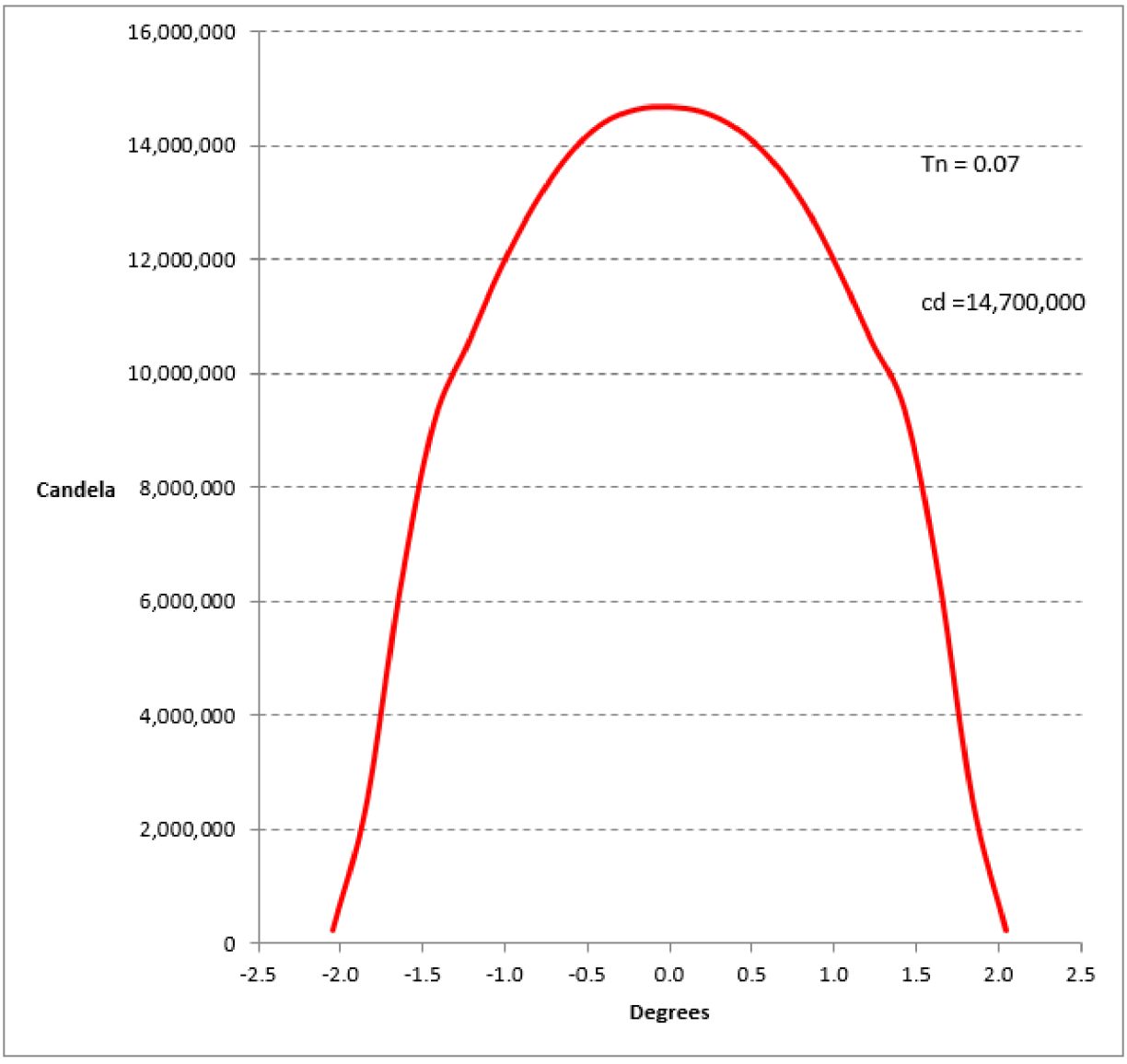
Throw Dist. (m)	15	30	60	90	120
Beam Dia. (m)	1.1	2.1	4.2	6.3	8.4
Illuminance (lux)	65263	16316	4079	1813	1020

Multiply throw distance by Tn to find beam diameter.

Divide cd (candela) by distance squared to find center beam illuminance.
Distance in feet = foot candles
Distance in meters = lux



GCLT Wide Field of View

Iris Full Open
6º Full Angle

Throw Dist. (Ft)	50	100	200	300	400
Beam Dia. (Ft)	4.4	8.7	17.4	26.1	34.8
Illuminance (fc)	2215	554	138	62	35
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Throw Dist. (m)	15	30	60	90	120
Beam Dia. (m)	1.3	2.6	5.2	7.8	10.4
Illuminance (lux)	24614	6153	1538	684	385

Multiply throw distance by Tn to find beam diameter.

Divide cd (candela) by distance squared to find center beam illuminance.
Distance in feet = foot candles
Distance in meters = lux