NexusUplight
Photometric Report

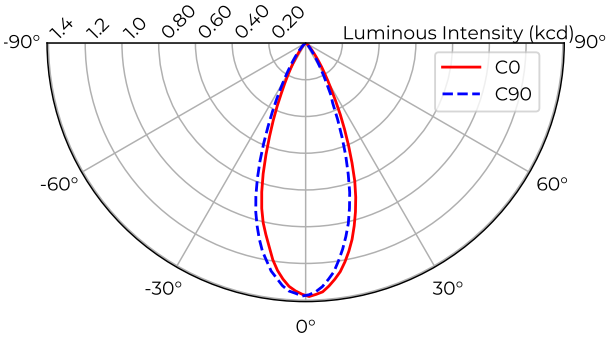
Report 2025-11-26-2

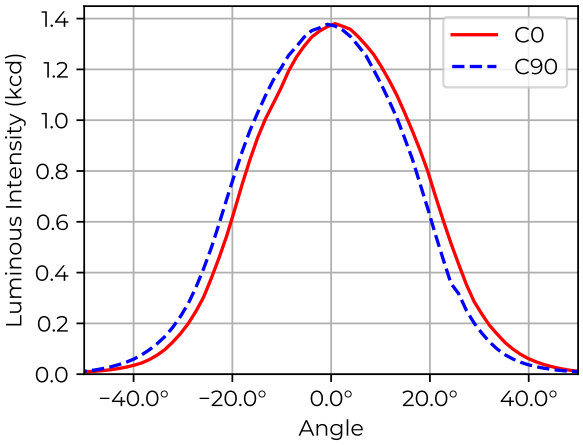
GLP German Light Products GmbH
GLP LightLab

Maximum Total Lumens	645 lm
Maximum Intensity	1380 cd
Serial Number	2013900025
Measurement Date	2025-11-26 17:36
Analysis SW Version	3.0.0rc7

Contents

1 Light Distribution Wide, 3500kCTC175 Beam





Type B measurement, 5184 data points.

Table 1: Opening angles for different intensity thresholds. Wide, 3500kCTC175

		C0	C90
Beam Angle	50 %	40°	40°
Field Angle	10 %	66°	66°
Cutoff Angle	3 %	82°	82°

Table 2: Luminous flux, integrated over the beam for several minimum threshold intensities. Wide, 3500kCTC175

		Flux (lm)
Half-Peak Output	@50 %	392
Tenth-Peak Output	@10 %	604
Total Lumen Output	@3 %	645

$$\text{diameter} = 0.73 \times \text{distance}$$

$$\text{illuminance} = \frac{1370\,\text{lx}}{(\text{distance}\,[\text{m}])^2}$$

Figure 1: Polar and cartesian light intensity distributions. Wide, 3500kCTC175

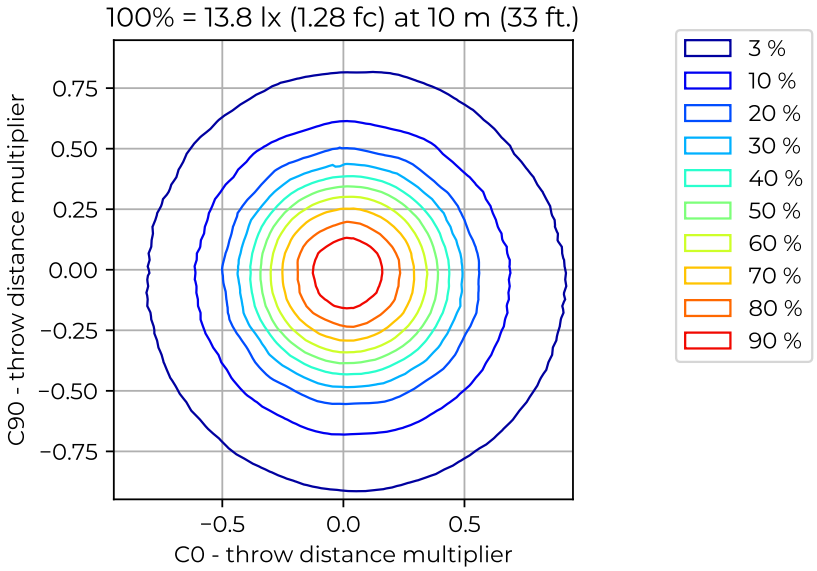


Figure 2: Iso-illuminance diagram of projected beam. Wide, 3500kCTC175
dist. from origin = throw dist. × throw dist. multiplier

Table 3: Quick calculation diagram for illuminance and beam diameter. Wide, 3500kCTC175

		Projection Distance [m]								
Parameter	Factor	5	7.5	10	12.5	15	17.5	20	22.5	25
Diameter [m]	0.73	3.7	5.5	7.3	9.1	11	13	15	16	18
Illuminance [lx]	1.37k	55	24	14	8.8	6.1	4.5	3.4	2.7	2.2