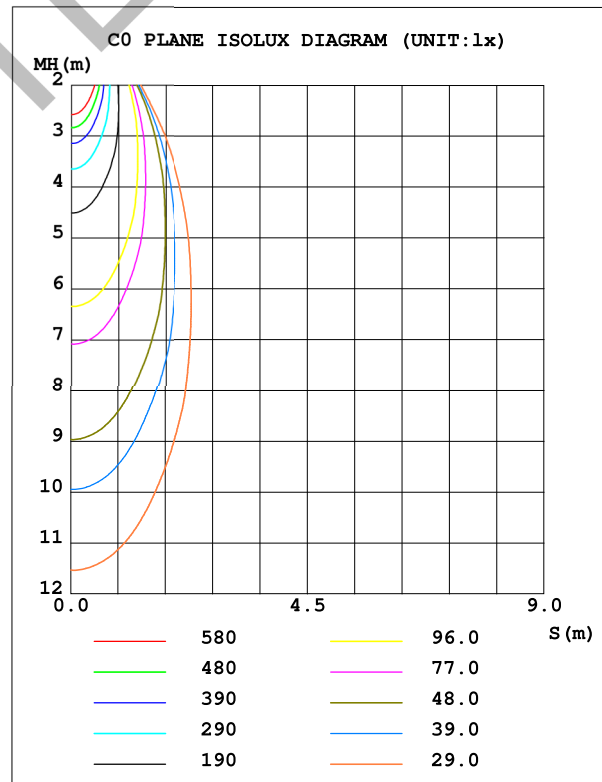
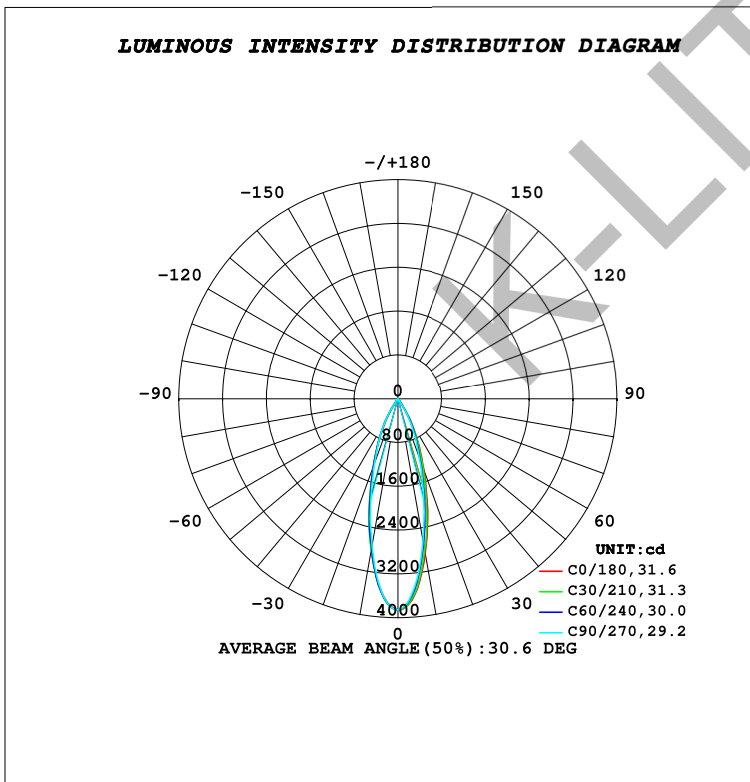


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|   |                         |                           |
|---|-------------------------|---------------------------|
| Test:U:230.39V I:0.0524A P:11.813W PF:0.9786 Freq:50.00Hz Lamp Flux:1368.9x1 lm |                         |                           |
| NAME: ASTRA ROUND   | TYPE:CEILING LUMINAIRES | WEIGHT:0.260Kg            |
| SPEC.:4000K,30°,CITIZEN, 80 CRI   | DIM.: Ø73x100           | SERIAL No.:INT/2023/10/28 |
| MFR.: K-LITE  | SUR.:                   | Shielding Angle:          |

| DATA OF LAMP      |         | PHOTOMETRIC DATA      |        |                     |  | Eff: 112.65 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|--|------------------|
| MODEL             | KL-3683 | I <sub>max</sub> (cd) | 3856   | S/MH (C0/180)       |  | 0.51             |
| NOMINAL POWER (W) | 12      | LOR (%)               | 97.2   | S/MH (C90/270)      |  | 0.50             |
| RATED VOLTAGE (V) | 230     | TOTAL FLUX (lm)       | 1330.7 | η UP, DN (C0-180)   |  | 0.0, 47.5        |
| NOMINAL FLUX (lm) | 1368.9  | CIE CLASS             | DIRECT | η UP, DN (C180-360) |  | 0.0, 49.8        |
| LAMPS INSIDE      | 1       | η up (%)              | 0.0    | CIBSE SHR NOM       |  | 0.50             |
| TEST VOLTAGE (V)  | 230     | η down (%)            | 97.2   | CIBSE SHR MAX       |  | 0.55             |



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators:K-LITE  
 Test Date:16 October 2023

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.417  
 Humidity: 39.8%  
 Test Distance:1.935m [K=1.0000]  
 Remarks: