

## **New Delhi Project**

Road Project  
Metal Halide 400W  
Replace by Lucas Twin Head 180 LED

Person: Kishore Mulani  
Place: New Delhi, India  
RFQ #: 1008-INA-241

Date: 10.08.2010  
Operator: U-Tron (Beijing) Electronics Co., Ltd.

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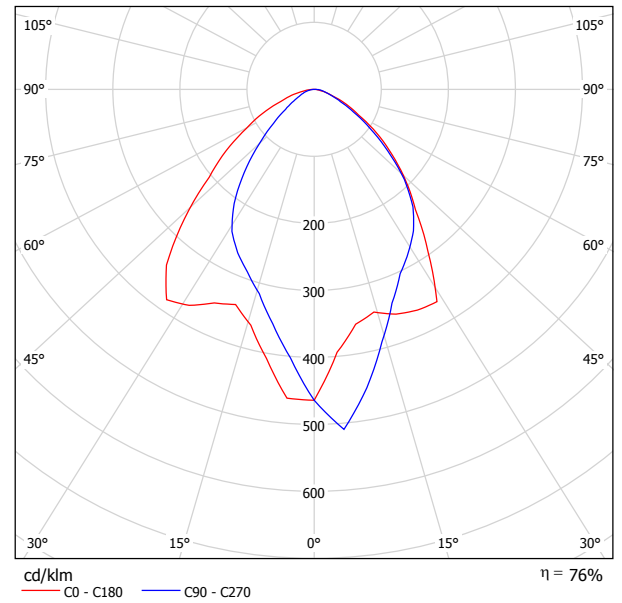
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## U-Tron Lucas III 90 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
 CIE flux code: 61 89 98 100 77

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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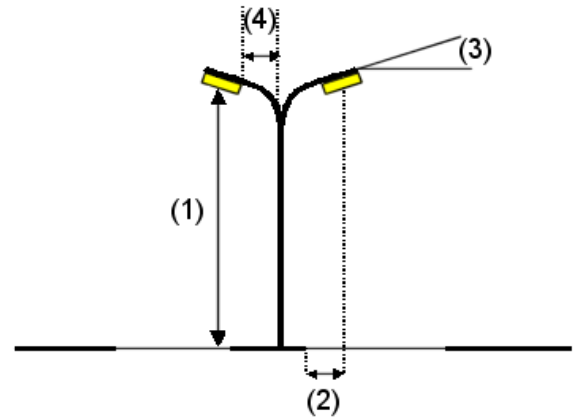
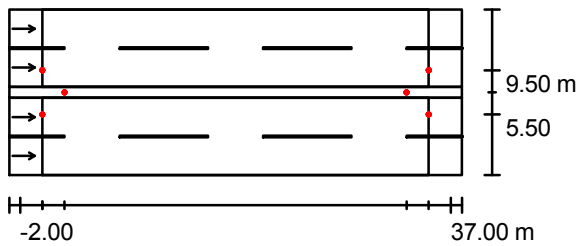
**Street 1 / Planning data**

**Street Profile**

Roadway 2 (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)  
 Median 1 (Width: 1.000 m, Height: 0.000 m)  
 Roadway 1 (Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.80

**Luminaire Arrangements**



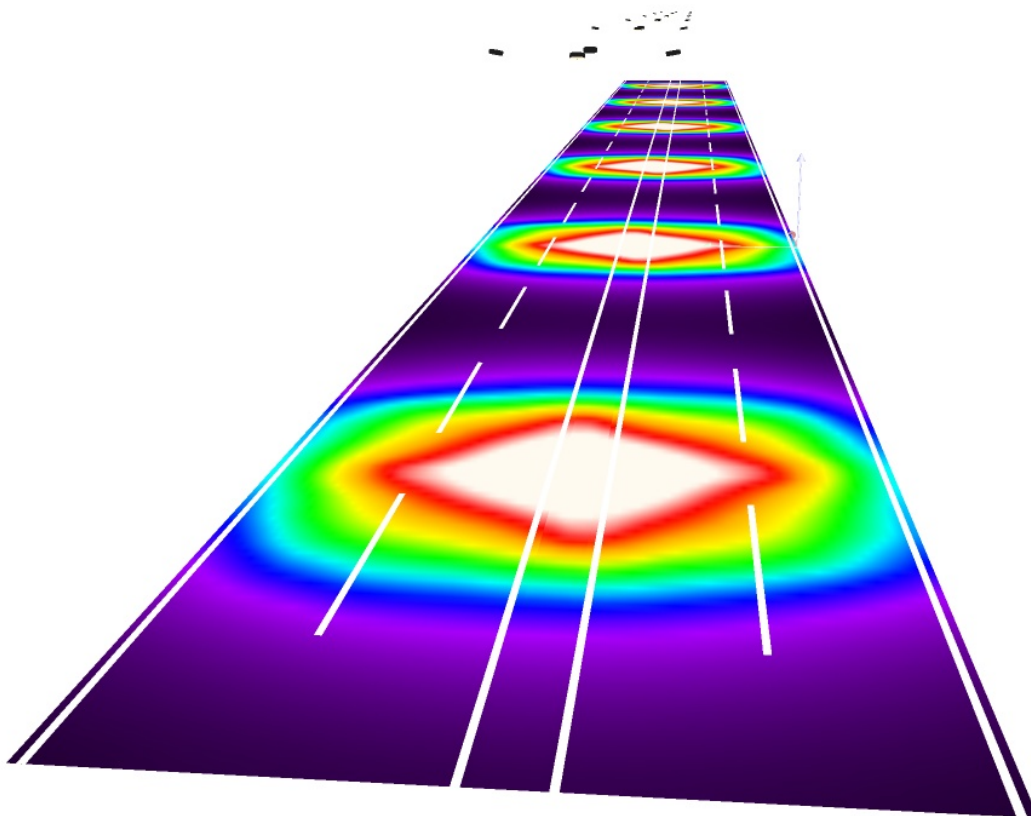
Luminaire: U-Tron Lucas III 90  
 Luminaire Luminous Flux: 6500 lm  
 Luminaire Wattage: 120.0 W  
 Arrangement: on Median  
 Pole Distance: 35.000 m  
 Mounting Height (1): 10.000 m  
 Height: 10.000 m  
 Overhang (2): 1.500 m  
 Boom Angle (3): 10.0 °  
 Boom Length (4): 2.000 m

Maximum luminous intensities  
 at 70°: 102 cd/klm  
 at 80°: 48 cd/klm  
 at 90°: 18 cd/klm  
 Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.  
 Arrangement complies with luminous intensity class G3.  
 Arrangement complies with glare index class D.6.

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**Street 1 / False Color Rendering**



0      15      20      25      30      35      40      45      50

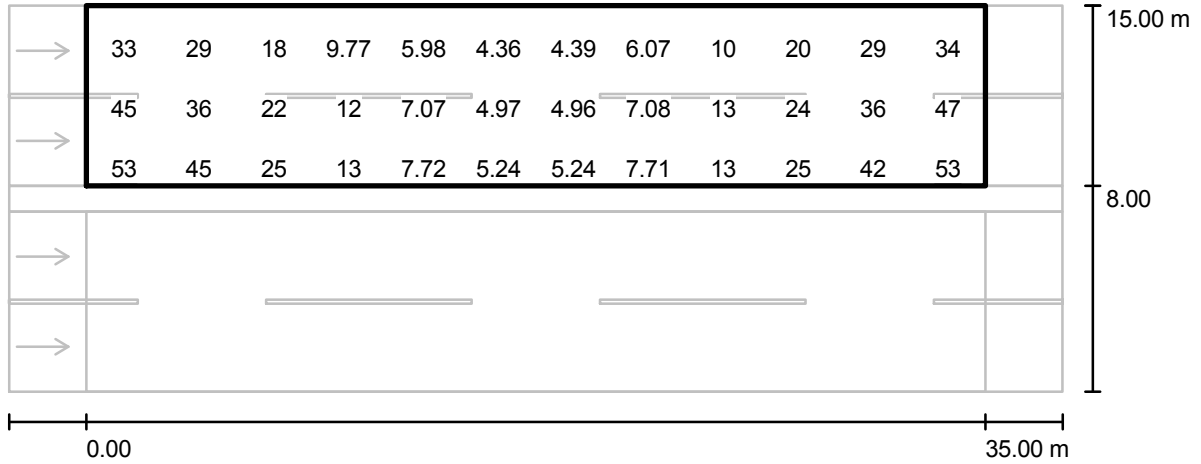
lx



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**Street 1 / Valuation Field Roadway 2 / Value Chart (E)**



Values in Lux, Scale 1 : 294

Not all calculated values could be displayed.

Grid: 12 x 6 Points

$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$
20	4.03	53	0.202	0.075