



LUMINOUS INTENSITY DISTRIBUTION TEST REPORT

Report number : LUR20100996

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Laboratory Accreditation No. : 1126



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Applicant : Top Win Optoelectronics Corp.

Applicant's address : 2F., No.148, Jian 1st Rd., Zhonghe City, Taipei County 235, Taiwan (R.O.C.)

Product : LED Street Light

Brand /Model No. : Top Win / Slite TW-PI2036W04

Control Gear Brand /Model No. : high perfection tech

Light Source Brand /Model No. : CREE

Standard :

- 1.CIE 70: 1987 The Measurement of Absolute Luminous Intensity Distributions.
- 2.CIE 84:1989 The Measurement of Luminous Flux.
- 3.Illuminating engineering society of north America "Lighting Handbook"8th ed. 1995.

Sampling procedure : Sent by applicant

Product dimension : 265mm(L) × 150mm(W) × 40mm(H)

Sampling date : November 18, 2010

Testing date : November 18, 2010~November 25, 2010

Testing engineers : Chen-Lung Hsieh, Young-Tsan Lin

Testing Place : TERTEC LIGHTING LABORATORY

Result of test : Refer to page 2~3

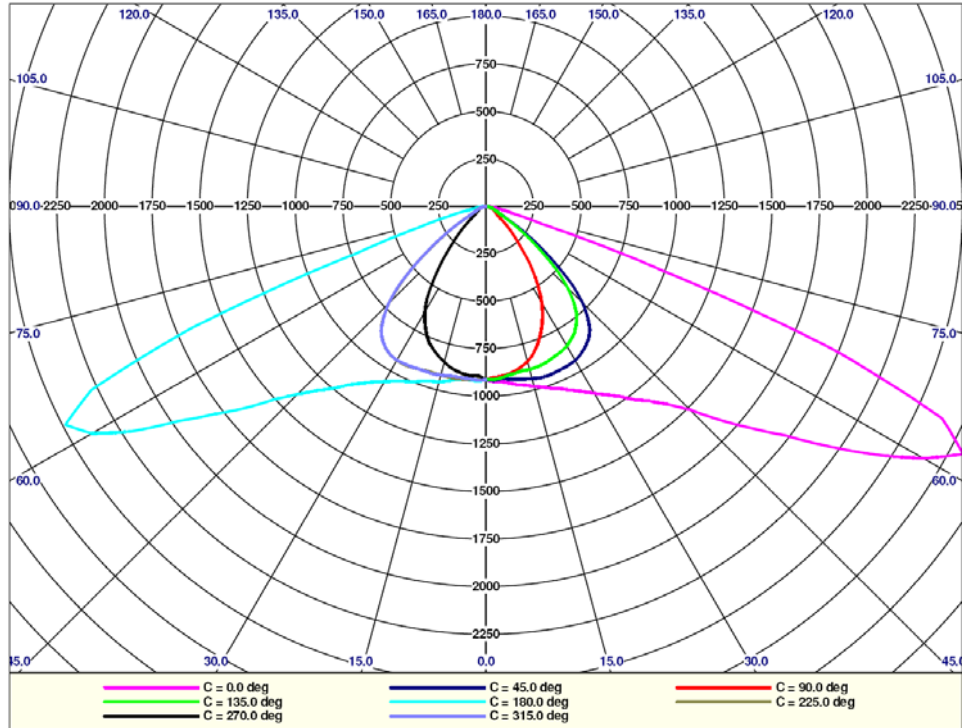
Signatory of the report _____



1. TEST RESULT :

(1) Luminous intensity distribution in polar coordinate

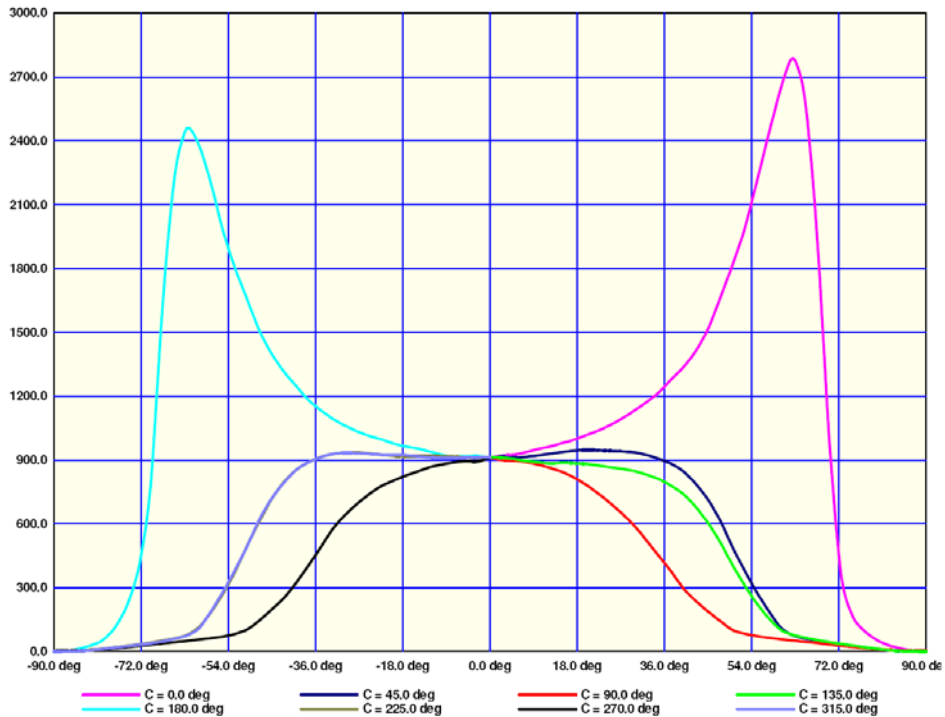
unit : cd



All luminous intensity values (shown radially from centre) are in cd. Elevation angle values are shown around the outside of the graph.

(2) Luminous intensity distribution in Cartesian coordinate

unit : cd



2.Basic characteristics :

	Item	Test Value
Input electrical characteristics	Voltage (Vac)	110
	Frequency(Hz)	60
	Current (A)	0.3521
	Power (W)	38.196
	Power factor (p.f.)	0.9862
Output optical characteristics	Total luminous flux (lm)	3109.8
	Luminous efficacy (lm/W)	81.42

3.Note :

- (1) Horizontal alignment follows with the lighting plane of luminaire.
- (2) The lighting source of the luminaire: LED
- (3) The test data are sampled after about 45minutes which the output is near stable.
- (4) Ambient conditions of test: $(25\pm 1)^{\circ}\text{C}$, $(60\pm 10)\%$ R. H.
- (5) Test equipment : Mirror swinging goniophotometer PSI/ LG-2.0.
Power meter YOKOGAWA/WT210
- (6) Test C-plane is as the diagram (Lighting plane is in the downside of fixture).

