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A handwritten signature in black ink, appearing to read 'G. Di Martino'.

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Main model under test / *Modello prodotto in test*: L803_2022

Test object / *Scopo*: IES LM82

Test date / *Data dei test*: 2023-01-17

Tested by / *Testato da*: Simone ZOFFOLI

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Results

Product:	Light 803 Model LU80300 32	
Input voltage	230V	230V
Input frequency	50Hz	50Hz
Input power	80.2	79.4
Power factor	0.967	0.978
Forward current of LED chip	415 mA	415 mA
Ambient temperature	25.0°C	50.0°C
LED Drier – T _{d,1}	65.4°C	83.8°C
LED chip – T _{c,1}	54.4°C	77.7°C
LED chip – T _{c,2}	56.6°C	79.9°C
LED chip – T _{c,3}	54.8°C	77.9°C
LED chip – avg	55.3°C	78.6°C
Flux	10540 lm	10055 lm
Flux – relative	100%	95.4%
Efficacy	131 lm/W	126 lm/W
Efficacy – relative	100%	96.1%

Sample description

Model number: LU80300 32

Light source: Neri C0894 3000K CRI 70 – with 2 x (16 series of Lumileds 5050 L150-30705006000S0)

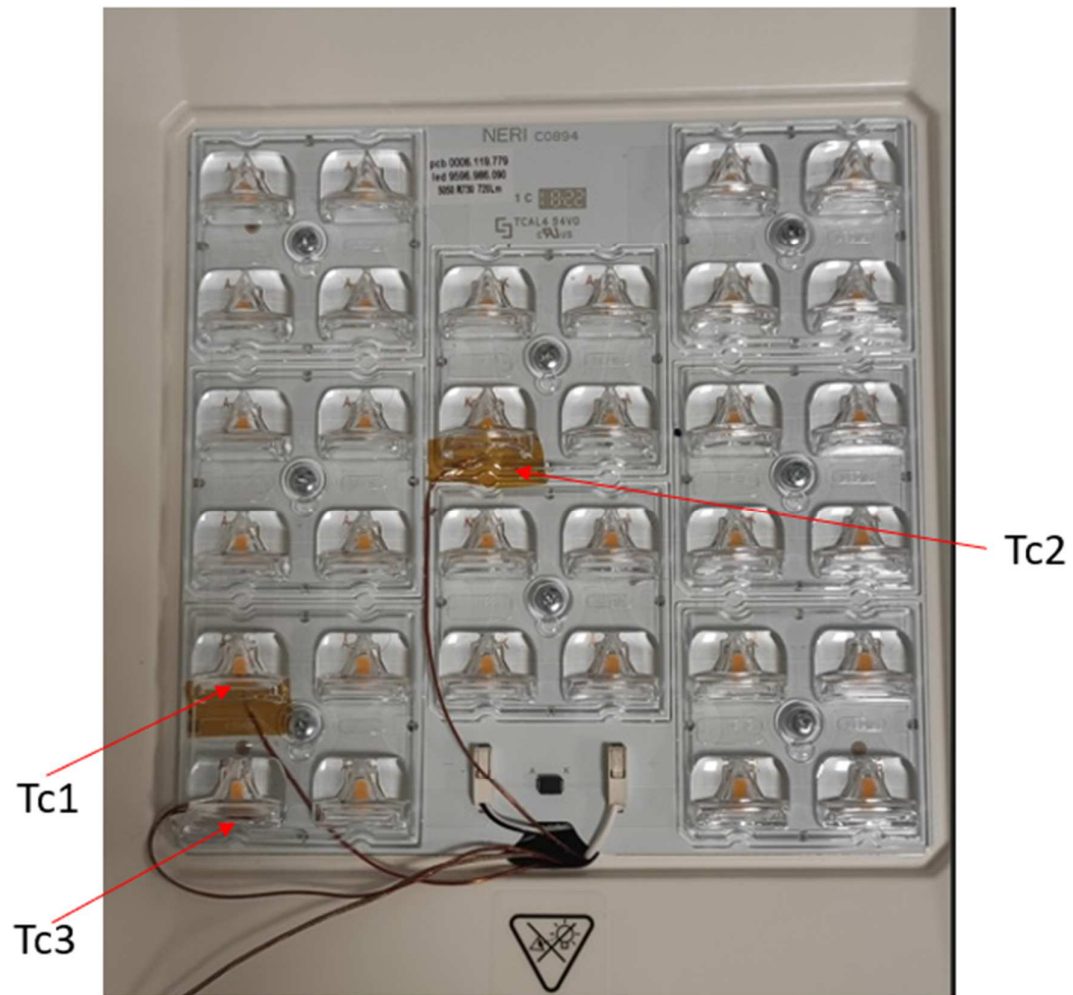
Ballast: Philips Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt

Test method

Test were carried out following LM82.

Annex A: photographic documentation





Annex B: list of used equipment

Measurement	Testing / measuring equipment / materials used	Range used	Calibration Date	
			Last	Due
Thermal tests and Electrical parameter	LAB030 – Digital power meter WT-230 YOKOGAWA	0-300Vac 0-5A 0-1,5KW	2022-10-28	2023-10-28
Endurance test and thermal tests	LAB019 – Thermal test room and acquisition system	0-300°C	2022-12-13	2023-12-13
Power supply stabilizer	LAB032 – AC source	0-300V a.c.	2021-06-28	2024-06-28
IES LM-79-08 2.1 / 2.2	Air temperature	Delta Ohm DO9847+HP474AC mat.04002004+04006415	20°C ÷ 30°C	2022-09-13
IES LM-79-08 2.1 / 2.3	Air velocity	Delta Ohm DO9847+AP471 S2 mat.04002004+04007760	0÷1 m/s	2022-10-17
IES LM-79-08 3.0	Supply	Elettrotest TPS mat. 109 03/2004	120V-277V 50/60Hz	2021-10-12
IES LM-79-08 9.3 / 10.0	Illuminance	Luxmeter Czibula & Grundnam mat.031205	0÷500 lx	2022-09-20
IES LM-79-08 12	Colorimetric and spectral values	Jeti Spectraval 1501LAN serial 1500205	mW/ (nm □)	2022-09-26
IES LM-79-08 9.3 / 10.0	Intensity distribution	Goniophotometer T4 WIN Oxytech mat. T4-102-04	Luminaire max 1650mm	2018-04-16

END OF TEST REPORT