



LABORATORY'S REPORT



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PHYSICAL LABORATORY ()
 CHEMICAL LABORATORY ()
 PERFORMANCE LABORATORY ()
 PHOTOMETRIC LABORATORY (X)

DENOMINATION: HEADLAMP FORD ECOSPORT H7 **CODE / NUMBER:** B515 MCA LOW
 Note: Commercial name of the models that use this headlamp design according to: Anexo_3688_Lista de Aplicação.

CUSTOMER: Lumileds Iluminação do Brasil Ltda **SOLICITED BY:** Leonardo Figueiredo

CUSTOMER ADDRESS: Al. Rio Negro, 585 Ed. Jaçari - 4º A Conjunto 44,45 CEP: 06454-000 Barueri - SP – Brazil

SS N° **NUMBER OF SAMPLES:** 02 **ANALYST:** ALEX FONSECA DE OLIVEIRA

BEGIN'S DATE: 22/06/2018 **TEMPERATURE:** 23,0 °C **HUMIDITY:** 60 %

EQUIPAMENTOS UTILIZADOS:
 PHOTOMETER ILFF 002 - CERTIFICATE: 85.278 / 85.279 /
 CALIBRATE: 03/30/2017 - NEXT CALIBRATION: 30/03/2019
 POWER SUPPLY ILFF 002/02 - CERTIFICATE: R0674 / 2017
 CALIBRATED: 27/03/2017 - - NEXT CALIBRATION: 27/03/2019
 SPECTRORADIOMETRO EL-10 - CERTIFICATE: L-001-17
 CALIBRATE: 09/20/2017 - NEXT CALIBRATION: 20/09/2018

SPECIFICATIONS: ECE R112 / CONTRAN

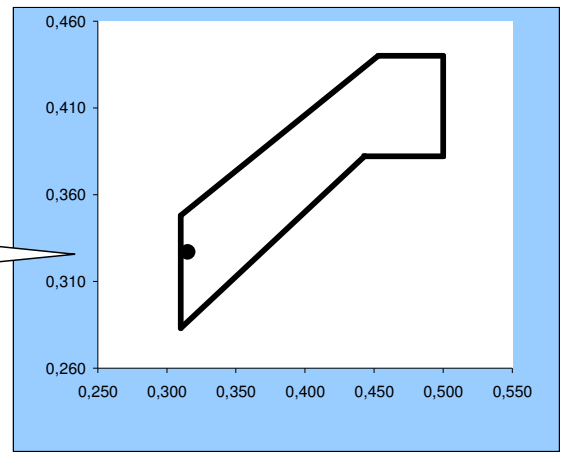
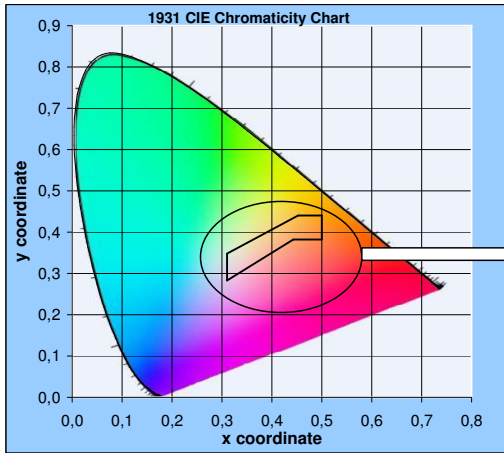
OBSERVATIONS: Lumileds Ilumination Brasil LTDA are responsible about the control of Anexo_3688_Lista de Aplicação.

INFORMATION ABOUT LOW BEAM:
 VOLTAGE : 13,50 V
 PRODUTO: LED-HL [-H7]
 PART NUMBER:11972XXX
 MARCA: PHILIPS



The results presented in the present Document have restricted significance and they are only applied to the rehearsed sample. The reproduction of the document for another ends can only be made integrally, without any alteration

**COLORIMETRY ECE R112 / CONTRAN 227/07
LOW BEAM / LED COLOUR (WHITE) TEMP: 7400 K**



Standardization	Limit the Green	$y = 0.150 + 0.640 x$	X :	0,315
	Limit with the Green-Yellowish	$y = 0.440$	Y :	0,327
	Limit with Yellow	$x = 0.500$	Z :	0,358
	Limit with Purpura-Reddish	$y = 0.382$	Values	
	Limit with Purpura-Reddish	$y = 0.050 + 0.750 x$		
	Limit with Blue	$x = 0.310$		

RESULT: APPROVED

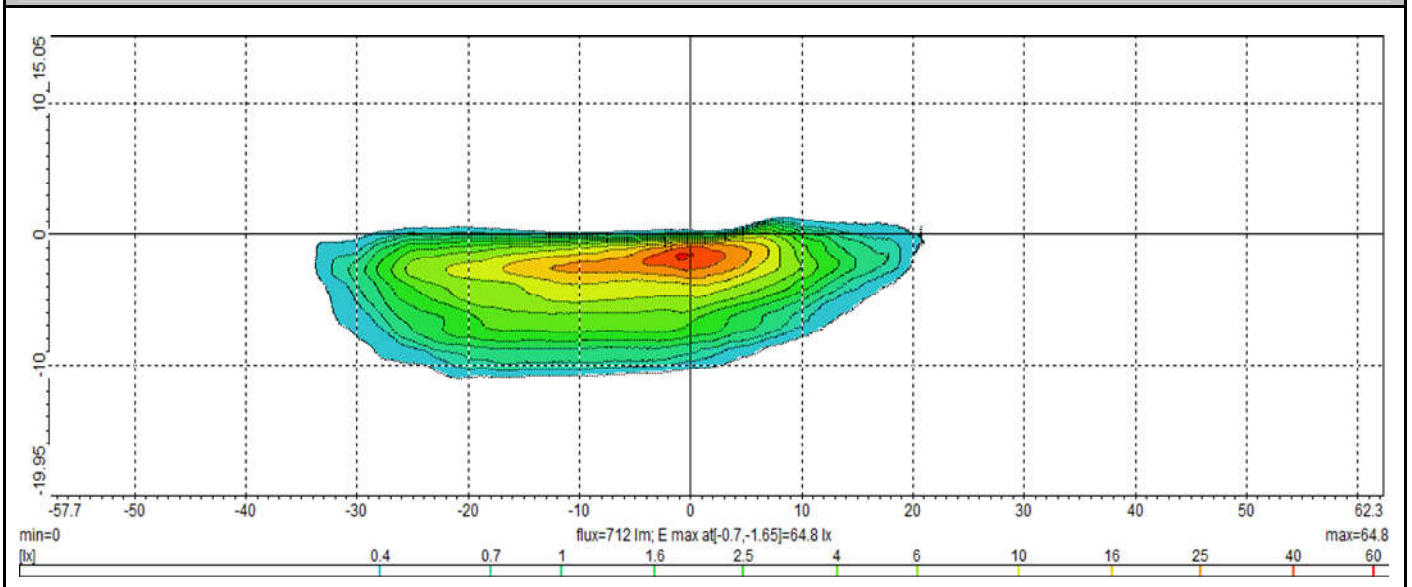
The point must be within the approved area.

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Projection LOW BEAM



ISOLUX Wall View Low Beam



EXIT DATE: 11/07/2018

**ANALYST:
ALEX FONSECA DE OLIVEIRA**

**SUPERVISION:
JARBAS ENZENBERG
MÁRCIO CLAUDINO**

**COPIES DISTRIBUTION:
Leonardo Figueiredo**

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ANEXO - LABORATORY'S REPORT Nº 3688-18

Lista de marca/modelos/versão/ano equipadas com farol utilizado no ensaio Nº 3688-18

Ford EcoSport FreeStyle 1.5 12V câmbio automático 6 marchas Flex >2018
Ford EcoSport FreeStyle 1.5 12V câmbio manual Flex >2018
Ford EcoSport SE 1.5 16V câmbio automático 6 marchas Flex >2018
Ford EcoSport SE 1.5 16V câmbio manual Flex >2018
Ford EcoSport Titanium 2.0 16V câmbio automático 6 marchas Flex >2018