

AUTOMOTIVE MANUFACTURERS EQUIPMENT COMPLIANCE AGENCY, INC.

AMECA NOTICE OF EQUIPMENT COMPLIANCETM

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Notification Number: 230339

Test Report Date: February 7, 2023

Expiration Date: July 1, 2026

Applicant:

Morimoto Lighting

2281 Defoor Hills Rd. Atlanta, GA 30318

Item: "LF734 (Or LF735)" - Combination Stop, Tail, Turn Signal, Backup And Side Marker Lamp With Reflex Reflectors With Red or Smoke Lens - Red And White In Colour

Use: On 2021 Model Years Ford F150 Motor Vehicles

Jurisdictional Compliance Standard(S) Identical To: United States FMVSS 571.108

Markings	
Lens	Housing
MORIMOTO DOT SAE A2(2)I6P3R2(2)S2T2 22	LF734 (Or LF735) 12V

Light Source: Tail/Side Marker Lamp: 198 LED's, 12V

Stop/Turn Signal Lamp: 48 LED's, 12V

Backup Lamp:

4 LED'S, 12V

Test Lab: Zhejiang ATTC Automobile

Technology Service Co., Ltd.

Report Number: AT23XX1D49711



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Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

COMPLIANCE TEST REPORT

ACCORDING TO U.S. FMVSS 108

COVER PAGE



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST DETAILS

APPLICANT'S NAME : Morimoto Lighting

ADDRESS : 2281 Defoor Hills Rd Atlanta GA 30318, United States

NO. OF DEVICES TESTED : 4 PCS

PART NUMBER : LF734; LF735

DESCRIPTION : Rear Group Lamp (Stop, Tail, Rear Turn Signal Lamp,

Backup Lamp, Side Reflex Reflectors, Rear Reflex

Reflectors, Side Marker Lamp)

LIGHT SOURCE : LED

TEST LABORATORY : Zhejiang ATTC Automobile Technology Service Co., Ltd.

TEST PLACE : Building 3, Essence Adream of Space, No.350, Jinghua Road,

Hi-tech Zone, Ningbo City, Zhejiang Province, P.R. China

TEST DATE: : January 30, 2023 - February 7, 2023

SUMMARY

TEST DESCRIPTION	TEST RESULTS	
TEST DESCRIPTION	NUMBER PASSED	NUMBER FAILED
Physical Inspection	4	-
Photometric Test	4	-
Color Test	4	-
Vibration Test	2	-
Moisture Test	2	-
Dust Test	2	-
Corrosion Test	2	-
Plastic Optical Material Test	Not tested*	-

REMARKS:

NAME AND SIGNATURE : Zhang Xiaoning

PK N. P

TITLE : Test Engineer

DATE : February 7, 2023



^{*:} Plastic optical material test is not carried out for this application because the applicant used the material already listed in "AMECA-List-of-Acceptable-Plastics-for-Optical-Lenses-and-Reflex-Reflectors- September-9-2022"

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 1) PHYSICAL INSPECTION

TEST COMPONENT : LF734; LF735

MANUFACTURED BY : Zhejiang Hongguan Lighting Technology Co., Ltd.

MARKINGS :

- LENS : "DOT SAE A2(2)I6P3R2(2)S2T2 22" "MORIMOTO"

- HOUSING : "LF734; LF735"

"Tail/SML:12V 9.2W", "Turn/Stop:12V 7.7W", "Backup:12V

3.5W"

OUTER LENS :

- MATERIAL : LF734 Red lens:

Chimei Corporation Zhenjiang China ACRYREX CM-

205 Polymethyl Methacrylate Clear+Red

LF735 Smoke lens:

Chimei Corporation Zhenjiang China ACRYREX CM-

205 Polymethyl Methacrylate Clear+Smoke

- COATING ---

- METHOD OF : Hot Plate Welding

MOUNTING TO HOUSING

HOUSING :

- MATERIAL : ABS - METHOD OF : Screw

MOUNTING TO VEHICLE

- GASKET : None

LIGHT SOURCE USED:

FUNCTION	QTY	TRADE NO.	RATED VOLTAGE
Tail Lamp/Side Marker	109 pcc	LED	12V
Lamp	198 pcs	LED	120
Stop Lamp /Rear Turn	49 pag	LED	12V
Signal Lamp	48 pcs	LED	120
Backup Lamp	4 pcs	LED CONOBILE	IECHNOL 12V

INSPECTION PERFORMED BY: Cao Wei

DATE: January 30, 2023

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 2) COLOR OF LIGHT

TEST COMPONENT : LF734 (Red lens) (Stop lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

RESULTS : 3.236

HV point	Coordinate x	Coordinate y
Stop 01#	0.7058	0.2941
Stop 02#	0.7055	0.2944

APPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF735 (Smoke Lens) (Stop lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

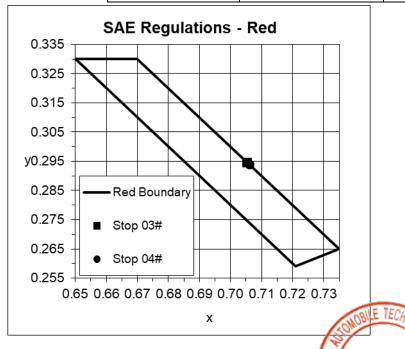
DATE : January 31, 2023

LAMP VOLTAGE : 12.8V
TEST DISTANCE : 3.236m

TEST DISTANCE : 3.236m
RESULTS : HV

HV point	Coordinate x	Coordinate y
Stop 03#	0.7054	0.2945
Stop 04#	0.7061	0.2938

APPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF734 (Red Lens) (Tail Lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

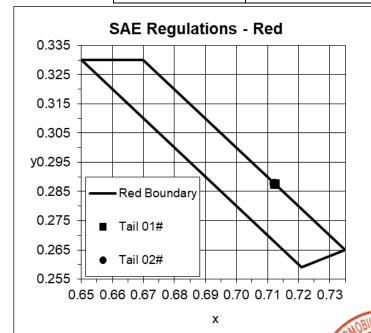
LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

TEST DISTANCE : 3.236m

RESULTS

HV point	Coordinate x	Coordinate y
Tail 01#	0.7123	0.2876
Tail 02#	0.7121	0.2878

PPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF735 (Smoke Lens) (Tail Lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

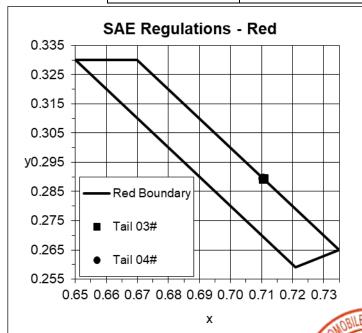
LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

TEST DISTANCE : 3.236m

RESULTS

HV point	Coordinate x	Coordinate y
Tail 03#	0.7106	0.2893
Tail 04#	0.7104	0.2895

埃科认证 APPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF734 (Red Lens) (Rear turn signal lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

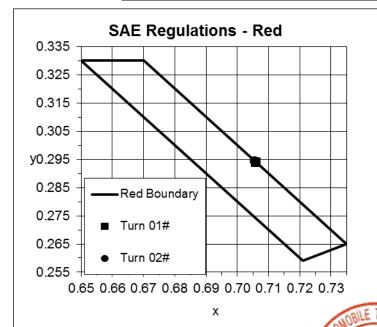
DATE : January 30, 2023

LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

RESULTS :

HV point	Coordinate x	Coordinate y
Turn 01#	0.7058	0.2941
Turn 02#	0.7055	0.2944

埃科认证 APPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF735 (Smoke Lens) (Rear turn signal lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

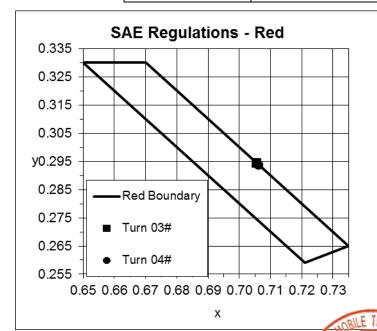
DATE : January 31, 2023

LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

RESULTS :

HV point	Coordinate x	Coordinate y
Turn 03#	0.7054	0.2945
Turn 04#	0.7061	0.2938

IPPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF734 (Red Lens) (Backup Lamp)

COLOR REQUIREMENT : WHITE (CIE 1931)

the color of light emitted must fall within the following

boundaries:

x = 0.310 (blue boundary) x = 0.500 (yellow boundary)

y= 0.150 + 0.640x (green boundary) y= 0.050 + 0.750x (purple boundary)

y = 0.440 (green boundary) y = 0.380 (red boundary)

TEST METHOD : TRISTIMULOUS

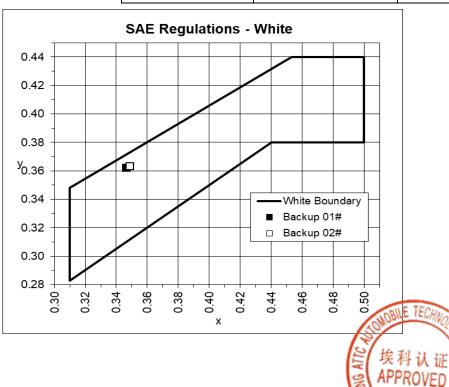
TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

RESULTS :

HV point	Coordinate x	Coordinate y
Backup 01#	0.3464	0.3623
Backup 02#	0.3488	0.3632



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF735 (Smoke Lens) (Backup Lamp)

COLOR REQUIREMENT : WHITE (CIE 1931)

the color of light emitted must fall within the following

boundaries:

x = 0.310 (blue boundary) x = 0.500 (yellow boundary)

y= 0.150 + 0.640x (green boundary) y= 0.050 + 0.750x (purple boundary)

y = 0.440 (green boundary) y = 0.380 (red boundary)

TEST METHOD : TRISTIMULOUS

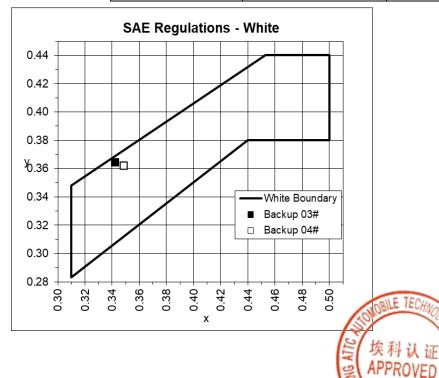
TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

RESULTS : 5.230

HV point	Coordinate x	Coordinate y
Backup 03#	0.3423	0.3644
Backup 04#	0.3485	0.3619



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF734 (Red Lens) (Side Reflex Reflectors)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

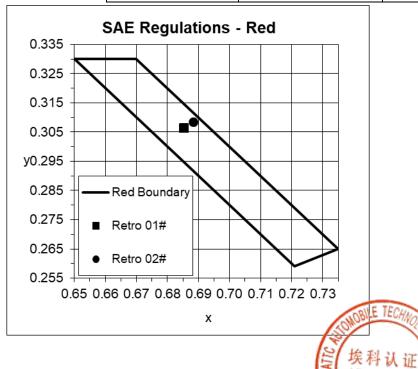
DATE : January 30, 2023

LAMP VOLTAGE : ---TEST DISTANCE : 2m

RESULTS : Z

HV point	Coordinate x	Coordinate y
Retro 01#	0.6852	0.3065
Retro 02#	0.6884	0.3084

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Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT LF735 (Smoke Lens) (Side Reflex Reflectors)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD TRISTIMULOUS

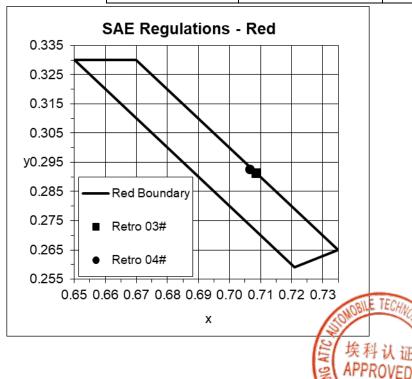
TEST PERFORMED BY Cao Wei

DATE January 31, 2023

LAMP VOLTAGE TEST DISTANCE 2m

RESULTS

HV point	Coordinate x	Coordinate y
Retro 03#	0.7086	0.2912
Retro 04#	0.7065	0.2925



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT LF734 (Red Lens) (Rear Reflex Reflectors)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD TRISTIMULOUS

Cao Wei TEST PERFORMED BY

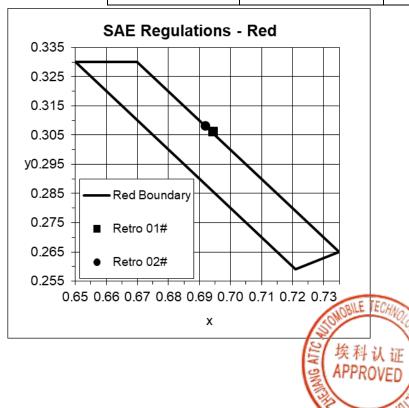
DATE January 30, 2023

LAMP VOLTAGE ---TEST DISTANCE

2m

RESULTS

HV point	Coordinate x	Coordinate y
Retro 01#	0.6943	0.3063
Retro 02#	0.6918	0.3081



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT LF735 (Smoke Lens) (Rear Reflex Reflectors)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD TRISTIMULOUS

Cao Wei TEST PERFORMED BY

DATE January 31, 2023

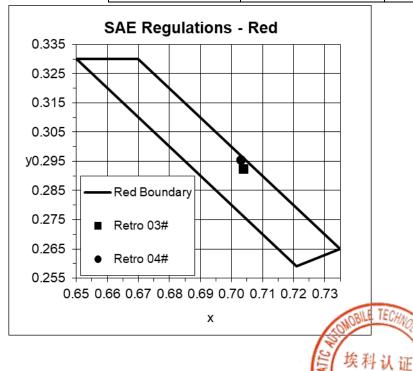
LAMP VOLTAGE ---TEST DISTANCE 2m

RESULTS

HV point	Coordinate x	Coordinate y
Retro 03#	0.7038	0.2923
Retro 04#	0.7031	0.2954

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Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT : LF734 (Red Lens) (Side Marker Lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD : TRISTIMULOUS

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

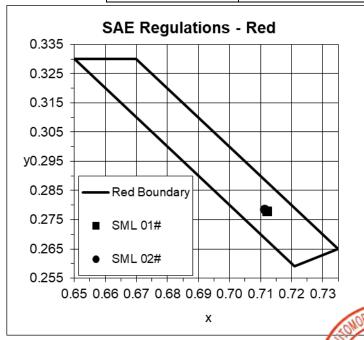
LAMP VOLTAGE : 12.8V TEST DISTANCE : 3.236m

TEST DISTANCE : 3.236n
RESULTS : HV

HV point	Coordinate x	Coordinate y
SML 01#	0.7122	0.2778
SML 02#	0.7114	0.2785

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埃科认证 APPROVED



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

TEST COMPONENT LF735 (Smoke Lens) (Side Marker Lamp)

COLOR REQUIREMENT : RED (CIE 1931)

the color of light emitted must fall within the following

boundaries:

y = 0.335 (yellow boundary) y = 0.980 - x (purple boundary)

TEST METHOD TRISTIMULOUS

TEST PERFORMED BY Cao Wei

DATE January 31, 2023

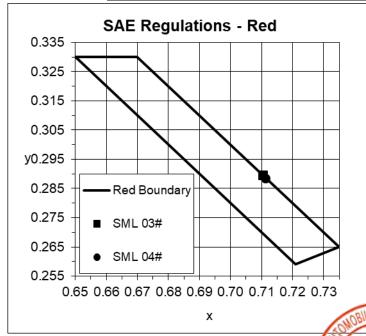
LAMP VOLTAGE 12.8V 3.236m

TEST DISTANCE

RESULTS

HV point	Coordinate x Coordinate		
SML 03#	0.7105	0.2894	
SML 04#	0.7114	0.2885	

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Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 3) EFFECTIVE PROJECTED LUMINOUS LENS AREA

TABLE IV-a.—EFFECTIVE PROJECTED LUMINOUS LENS AREA REQUIREMENTS

Lighting device	Passenger ca	ars, multipurpose passe	nger vehicles,	Multipurpose	Motorcycles—
	trucks, tra	ilers, and buses of less	than 2032	passenger vehicles,	Minimum effective
	MM in overal	I width—Minimum effec	tive projected	trucks, trailers, and	projected luminous
	lur	minous lens area (sq m	m)	buses 2032mm or	lens area (sq mm)
	Single	Multiple compa	artment lamp or	more in overall	
	compartment lamp	multiple	e lamps	width— Minimum	
		Each compartment	Combined	effective projected	
		or lamp	compartments	luminous lens area	
			or lamps	each lamp (sq mm)	
Front turn signal	2200		2200	7500	2258
Rear turn signal	5000	2200	5000	7500	2258
Stop lamp	5000	2200	5000	7500	⁽¹⁾ 5000

⁽¹⁾ A motor driven cycle whose speed attainable in 1 mile is 30 mph or less may be equipped with a stop lamp whose minimum effective projected luminous lens area is not less than 2258 sq mm.

TEST COMPONENT : LF734; LF735

REQUIREMENTS Rear turn signal: 7500mm², Stop lamp: 7500mm²
EPLLA : Rear turn signal: 8400mm², Stop lamp: 8400mm²

:

INSPECTION PERFORMED BY : Cao Wei

DATE : January 30, 2023



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY

TEST COMPONENT : LF734 (Red lens) (Stop lamp)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT

VEHICLE TYPE/SIZE : Ford F150 2021

- NUMBER OF COMPARTMENTS : 2 - NUMBER OF LAMPS : 1 - NUMBER OF LIGHTED SECTIONS : 2

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

.

Reference standard: FMVSS 571.108

STOP LAMP PHOTOMETRY TEST RESULT UPON TIME								
	(AT H=0/V=0 POINT)							
SAMPLE NO.	TEST RESULT (unit: cd)		RATIO	REMARK				
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	REWARK				
01#	117.83	112.27	1.050					
02#	123.83	117.83	1.051					

	ST	OP LAMP PHO	TOMETRY RE	SULT AFTER	1 MINUTE OF	OPERATIO	N		
			(TABLE	IX of FMVSS N	o. 108)				
			MIN	IMUM PHOTON	METRIC	GR	OUP MINIM	JM	
CDOUD	TEO	T DOINT		INTENSITY (1)(2)	(cd)	PHOTOME	TRIC INTEN	ISITY (cd)	
GROUP NUMBER		ST POINT egrees)	Lighted Sections	Measu	rements	Required	Meas	ured	
			2	Sample 01#	Sample 02#	Minimum	01#	02#	
	001	5U	12	46.78	24.39				
	20L	5D	12	56.95	24.18]			
1		10U	19	36.04	37.67	60	190.21	122.33	
	5L	10D ⁽³⁾	19	50.44	36.09				
		5U	35	58.66	56.17		187.44	179.13	
2	10L	Н	47	63.93	68.43	115			
		5D	35	64.85	54.53	=			
	V	5U	82	103.59	101.33				
	5L		95	105.56	115.92				
3	V	н	95	117.83	123.83	445	535.69	551.44	
	5R		95	110.93	111.63				
	V	5D	82	97.78	98.73				
		5U	35	49.87	56.11				
4	10R	Н	47	62.29	57.71	115	166.01	166.97	
		5D	35	53.85	53.15				
	5D	10U	19	29.69	48.16				
E	5R	10D ⁽³⁾	19	35.61	44.57	60	447.04	205.95	
5	200	5U	12	19.70	58.86	60	117.24	∠∪၁.95	
	20R	5D	12	32.24	54.36	ONOBIL	E TECHNOLOGY		
	UM PHOTO		360	121.63	125.44	埃利 《埃利 APP	サ 认 证 ROVED	2000	

Reference standard: FMVSS 571.108

	STO	P LAMP PHOT	OMETRY RE	SULT AFTER 3	0 MINUTES O	F OPERATION	ON	
			(TABLE	IX of FMVSS N	o. 108)			
			MIN	IMUM PHOTOM	METRIC	GRO	OUP MINIM	JM
GROUP	TEC	ST POINT		INTENSITY ⁽¹⁾⁽²⁾ ((cd)	РНОТОМЕ	TRIC INTE	NSITY (co
NUMBER		egrees)	Lighted Sections	Measu	rements	Required	Meas	sured
			2	Sample 01#	Sample 02#	Minimum	01#	02#
	001	5U	12	44.57	23.21			
4	20L	5D	12	54.26	23.01		404.00	440.40
1	51	10U	19	34.34	35.84	60	60 181.23	116.40
	5L	10D ⁽³⁾	19	48.06	34.34	1		
		5U	35	55.89	53.45		178.59	170.45
2	10L	Н	47	60.91	65.11	115		
		5D	35	61.79	51.89	1		
	V	5U	82	98.70	96.42		5 510.42	524.72
	5L		95	100.58	110.30	445		
3	V	Н	95	112.27	117.83			
	5R		95	105.70	106.22			
	V	5D	82	93.17	93.95	1		
		5U	35	47.52	53.39			
4	10R	Н	47	59.35	54.91	115	158.18	158.87
		5D	35	51.31	50.57	1		
	50	10U	19	28.29	45.83			
-	5R	10D ⁽³⁾	19	33.93	42.41		444 74	405.00
5	220	5U	12	18.77	56.01	60	111.71	195.98
	20R	5D	12	30.72	51.73	ONOR	LE TECHNOLO	
MAXIMUM PHOTOMETRIC INTENSITY ⁽³⁾		360	115.89	119.36	埃 埃 API	科认证PROVED	SERVICE	

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke Lens) (Stop lamp)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 2 - NUMBER OF LAMPS : 1 - NUMBER OF LIGHTED SECTIONS : 2

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

.

Reference standard: FMVSS 571.108

STOP LAMP PHOTOMETRY TEST RESULT UPON TIME								
	(AT H=0/V=0 POINT)							
SAMPLE NO.	TEST RESULT (unit: cd)		RATIO	REMARK				
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	REWARK				
03#	109.65	104.31	1.051					
04#	112.65	106.85	1.054					

	ST	OP LAMP PHO	TOMETRY RE	SULT AFTER	1 MINUTE OF	OPERATIO	N	
			(TABLE	IX of FMVSS N	o. 108)			
			MIN	IMUM PHOTON	METRIC	GROUP MINIMUM		
GROUP	TES	T POINT	!	INTENSITY ⁽¹⁾⁽²⁾ ((cd)	PHOTOME	TRIC INTEN	NSITY (cd)
NUMBER		egrees)	Lighted	Measu	rements	Required	Meas	ured
	(3.	-g,	Sections			Minimum		
			2	Sample 03#	Sample 04#		03#	04#
	20L	5U	12	43.97	22.26			
1	ZOL	5D	12	50.73	22.08	60	176.20	111.71
ı	5L	10U	19	35.69	34.56		170.20	111./1
	3L	10D ⁽³⁾	19	45.81	32.81			
		5U	35	54.84	42.77			
2	10L	Н	47	58.78	54.85	115	166.65	149.35
		5D	35	53.03	51.73			
	V	5U	82	94.41	97.63			
	5L		95	103.84	109.62			
3	V	Н	95	109.65	112.65	445	496.90	522.25
	5R		95	101.34	107.06			
	V	5D	82	87.66	95.29			
		5U	35	36.93	51.79			
4	10R	Н	47	50.07	53.22	115	126.09	153.95
		5D	35	39.09	48.94			
	5.0	10U	19	28.54	44.60			
_	5R	10D ⁽³⁾	19	32.15	41.14		440.00	400.00
5	200	5U	12	23.87	54.16	60	112.09	189.92
	20R	5D	12	27.53	50.02	NOBIL	E TECHNO	
	JM PHOTO		360	110.96	114.28	埃利 ADD	サ 认证 POVED	20000

Reference standard: FMVSS 571.108

	STO	P LAMP PHOTO	OMETRY RE	SULT AFTER 3	80 MINUTES O	F OPERATION	ON	
			(TABLE	IX of FMVSS N	o. 108)			
			MIN	IMUM PHOTON	METRIC	GR	OUP MINIM	JM
CDOUD	TEC	T DOINT	1	INTENSITY ⁽¹⁾⁽²⁾ ((cd)	PHOTOME	TRIC INTEN	NSITY (cd)
GROUP NUMBER		egrees)	Lighted Sections	Measu	rements	Required	Meas	sured
			2	Sample 03#	Sample 04#	Minimum	03#	04#
	001	5U	12	41.83	21.11			
4	20L	5D	12	48.26	20.94		407.00	405.05
1	5 1	10U	19	33.95	32.78	60	167.62	105.95
	5L	10D ⁽³⁾	19	43.58	31.12			
		5U	35	52.17	40.57			141.67
2	10L	Н	47	55.92	52.03	115	158.54	
		5D	35	50.45	49.07	1		
	V	5U	82	89.81	92.60			
	5L		95	98.78	103.98	1	472.69	495.36
3	V	н	95	104.31	106.85	445		
	5R		95	96.40	101.55	-		
	V	5D	82	83.39	90.38			
		5U	35	35.13	49.12			
4	10R	Н	47	47.63	50.48	115	119.95	146.02
		5D	35	37.19	46.42	1		
	50	10U	19	27.15	42.30			
-	5R	10D ⁽³⁾	19	30.58	39.02	000	400.00	400.40
5	000	5U	12	22.71	51.37	60	106.63	180.13
	20R	5D	12	26.19	47.44	NOW	E TECHNO	
	MAXIMUM PHOTOMETRIC INTENSITY ⁽³⁾		360	105.56	108.40	以 以 以	科认证	SERVI
						APA APA	KOVED	3

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red lens) (Tail lamp)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 1
- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : 1

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

.

Reference standard: FMVSS 571.108

	TAIL LAMP PHOTOMETRY TEST RESULT UPON TIME								
(AT H=0/V=0 POINT)									
SAMPLE NO.	TEST RESUL	T (unit: cd)	RATIO	REMARK					
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	KEWAKK					
01#	17.14	17.14 16.40							
02#	17.54	1.048							

TAIL LAMP PHOTOMETRY RESULT AFTER 1 MINUTE OF OPERATION										
				(TABLE	VIII of FMVSS No	o. 108)				
			MINI	IMUM PHO	TOMETRIC INTE	NSITY(cd)	GROUP MINIMUM PHOTOMETRIC INTENSITY			
GROUP	TE	ST					(cd)			
NUMBER	РО	INT	Lighted	Sections	Calculat	ed result		Measi	ırod	
NOWBER	(deg	rees)		1	Sample 01#	Sample 02#	Required Minimum			
			MINIMUM	MAXIMUM	·			01#	02#	
	201	5U	0.3	18	10.80	17.80				
	20L	5D	0.3	-	11.32	16.57] ,	1.4 55.44	67.14	
1	5L	10U	0.4	18	16.08	16.47	1.4			
		10D	0.4	-	17.24	16.30				
		5U	0.8	18	13.84	14.10				
2	10L	Н	0.8	18	14.09	14.68	2.4	42.34	43.79	
		5D	0.8	-	14.41	15.01				
	V	5U	1.8	18	16.85	17.52				
	5L		2	18	16.32	17.00				
3	V	Н	2	18	17.14	17.54	9.6	79.37	84.75	
	5R		2	18	12.56	15.47				
	V	5D	1.8	-	16.50	17.22				
		5U	0.8	18	16.26	12.97				
4	10R	Н	0.8	18	16.62	13.31	2.4	49.78	39.86	
		5D	0.8	-	16.90	13.58				
	5R	10U	0.4	18	17.11	15.05	NOBIL	E TECHNO		
5	J.,	10D	0.4	-	13.23	15.75	34	63.37	51.92	
J	20R	5U	0.3	18	17.15	10.24	埃利	斗认证 \	1	
		5D	0.3	-	15.88	10.88	APP APP	KOVED /	<i>j</i>	

Reference standard: FMVSS 571.108

	Т	AIL LAMI	P PHOTOM	IETRY RES	ULT AFTER 30	MINUTES OF C	PERATION			
				(TABLE V	'III of FMVSS No.	108)				
							GROUP MINIMUM			
				IMUM PHO	TOMETRIC INTE	PHOTOMETRIC INTENSITY				
ODOUB	TE	ST					(cd)			
GROUP NUMBER	PO	INT	Lighted Sections		Measurements			Meas	urod	
INUMBER	(deg	rees)		1			Required	ivieas	ureu	
				1	Sample 01#	Sample 02#	Minimum	01#	02#	
				MAXIMUM				01#	02#	
	20L	5U	0.3	18	10.33	16.99				
1	ZUL	5D	0.3	-	10.83	15.81	2.4	53.05	64.12	
1	5L	10U	0.4	18	15.39	15.72	2.4	55.05	07.12	
) JL	10D	0.4	-	16.50	15.60				
		5U	0.8	18	13.24	13.46			41.80	
2	10L	Н	0.8	18	13.48	14.01	4.2	40.51		
		5D	0.8	-	13.79	14.33				
	V	5U	1.8	18	16.12	16.72				
	5L		2	18	15.62	16.22				
3	V	Н	2	18	16.40	16.74	16.8	75.95	80.87	
	5R		2	18	12.02	14.76				
	V	5D	1.8	-	15.79	16.43				
		5U	0.8	18	15.56	12.38				
4	10R	Н	0.8	18	15.90	12.70	4.2	47.63	38.04	
		5D	0.8	-	16.17	12.96				
	5R	10U	0.4	18	16.37	14.36				
5	JIX	10D	0.4	-	12.66	15.03	2.4	60.63	49.54	
5	20R	5U	0.3	18	16.41	9.77			43.04	
	ZUN	5D	0.3	-	15.19	10.38	100	OBILE TECHN	26	

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke Lens) (Tail lamp)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 1
- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : 1

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

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Reference standard: FMVSS 571.108

	TAIL LAMP PHOTOMETRY TEST RESULT UPON TIME									
(AT H=0/V=0 POINT)										
CAMPLENIC	TEST RESUL	T (unit: cd)	RATIO	REMARK						
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	REWARK						
03#	10.86 10.28		1.056							
04#	04# 10.84 10.21 1.062									

		TAIL LAI	ИР РНОТО	METRY RE	SULT AFTER 1	MINUTE OF O	PERATION		
				(TABLE	VIII of FMVSS No	o. 108)			
GROUP NUMBER	TEST		MIN	IMUM PHO	TOMETRIC INTE	NSITY(cd)	GROUP MINIMUM PHOTOMETRIC INTENSITY (cd)		
		INT	Lighted Sections		Calculat	ed result		Measi	ured
	(deg	rees)	:	2	Sample 03#	Sample 04#	Required Minimum	03#	04#
				MAXIMUM				03#	04#
	20L -	5U	0.3	18	6.18	17.55			
1	ZUL	5D	0.3	-	6.39	16.86	2.4	31.16	59.62
ı	5L	10U	0.4	18	9.05	12.41	2.4	00	33.02
	JL	10D	0.4	-	9.54	12.80			
	10L	5U	0.8	18	7.92	14.58			
2		Н	0.8	18	8.01	14.93	4.2	24.06	44.62
		5D	0.8	-	8.13	15.11			
	V	5U	1.8	18	10.79	10.66	_		
	5L		2	18	9.26	12.77	_		
3	V	Н	2	18	10.86	10.84	16.8	54.70	54.66
	5R		2	18	12.79	9.44			
	V	5D	1.8	-	11.00	10.95			
		5U	0.8	18	15.02	8.02			
4	10R	Н	0.8	18	15.13	8.35	4.2	45.42	24.73
		5D	0.8	-	15.27	8.36			
	5R	10U	0.4	18	12.52	9.42	, OR	LE TECHNO	
5	011	10D	0.4	-	13.05	9.87		59.14	32.38
	20R	5U	0.3	18	17.17	6.48	美 埃	科认证	SE 1.00
	2010	5D	0.3	-	16.40	6.61	皇 API	PROVED)	EF.

Reference standard: FMVSS 571.108

	T	AIL LAMI	PHOTOM	ETRY RES	ULT AFTER 30	MINUTES OF C	PERATION		
				(TABLE V	'III of FMVSS No.	108)			
							GROUP MINIMUM		
				IMUM PHO	TOMETRIC INTE	РНОТОМ	ETRIC INT	ENSITY	
GROUP	TE	ST					(cd)		
NUMBER	PO	INT	Lighted	Sections	Measur	ements		Meas	ured
NOWBER	(deg	rees)		1		Sample 04#	Required		a.oa
					Sample 03#		Minimum	03#	04#
				MAXIMUM					0 111
	20L	5U	0.3	18	5.85	16.53			
1		5D	0.3	-	6.05	15.88	2.4	29.51	56.16
·	5L	10U	0.4	18	8.57	11.69		20.01	
	02	10D	0.4	-	9.04	12.06			
		5U	0.8	18	7.49	13.73			
2	10L	Н	0.8	18	7.58	14.06	4.2	22.76	42.02
		5D	0.8	-	7.69	14.23			
	V	5U	1.8	18	10.21	10.04			51.48
	5L		2	18	8.77	12.03			
3	V	Н	2	18	10.28	10.21	16.8	51.78	
	5R		2	18	12.11	8.89			
	V	5D	1.8	-	10.41	10.31			
		5U	0.8	18	14.22	7.56			
4	10R	Н	0.8	18	14.32	7.87	4.2	42.99	23.30
		5D	0.8	-	14.45	7.87			
	5R	10U	0.4	18	11.85	8.87			
5		10D	0.4	-	12.35	9.30	2.4	55.97	30.51
	20R	5U	0.3	18	16.25	6.11		TC0:	00.01
	2511	5D	0.3	-	15.52	6.23	ONOBILE	IECHNO!	

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red Lens) (Rear turn signal lamp)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 2 - NUMBER OF LAMPS : 1 - NUMBER OF LIGHTED SECTIONS : 2

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

	REAR (RED) TURN SIGNAL LAMP PHOTOMETRY TEST RESULT UPON TIME								
(AT H=0/V=0 POINT)									
SAMPLE NO.	TEST RESU	JLT (unit: cd)	RATIO	REMARK					
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	KEWAKK					
01#	117.83 112.27		1.050						
02#	02# 123.83 117.83 1.051								

RE	AR (RED) T	URN SIGNAL I	_AMP PHOTO	METRY RESU	LT AFTER 1 M	IINUTE OF	OPERATION	I	
			(TABLE V	II of FMVSS No	. 108) ⁽⁶⁾				
			MINI	MINIMUM PHOTOMETRIC			GROUP MINIMUM		
CDOUD	GROUP TEST POINT		ı	NTENSITY (1)(2)	(cd)	PHOTOME	TRIC INTEN	ISITY (cd)	
NUMBER			Lighted	Magau	rements	Doguirod	Meas	urod	
NUMBER	(00	egrees)	Sections	Measu	rements	Required	ivieas	ureu	
				Sample 01#	Sample 02#	Minimum	01#	02#	
	20L ⁽⁶⁾	5U	12	46.78	24.39				
4	20L\^	5D	12	56.95	24.18	00	400.04	122.33	
1	5L ⁽⁶⁾	10U	19	36.04	37.67	60	190.21		
	5L.	10D ⁽³⁾	19	50.44	36.09				
		5U	35	58.66	56.17				
2	10L ⁽⁶⁾	Н	47	63.93	68.43	115	187.44	179.13	
		5D	35	64.85	54.53				
	V	5U	82	103.59	101.33				
	5L ⁽⁶⁾	Н	95	105.56	115.92	445			
3	V		95	117.83	123.83		535.69	551.44	
	5R ⁽⁶⁾		95	110.93	111.63				
	V	5D	82	97.78	98.73				
		5U	35	49.87	56.11				
4	10R ⁽⁶⁾	Ι	47	62.29	57.71	115	166.01	166.97	
		5D	35	53.85	53.15				
	5R ⁽⁶⁾	10U	19	29.69	48.16				
E	ok.	10D ⁽³⁾	19	35.61	44.57	60	117.04	205.05	
5	20R ⁽⁶⁾	5U	12	19.70	58.86	60 081l	117.24 E TECHNO	205.95	
	ZUN	5D	12	32.24	54.36	SON OF THE PROPERTY OF THE PRO	10/05		
MAXIM	MAXIMUM PHOTOMETRIC			121.63	125.44	发 埃利	科认证 管	200	
	INTENSITY ⁽⁴⁾			121.03	123.44	編 APP	ROVED	3	
						THE CONTRACTOR OF THE PARTY OF		/	

Reference standard: FMVSS 571.108

REA	R (RED) TU	JRN SIGNAL L	AMP PHOTON	METRY RESUL	T AFTER 30 M	IINUTES OF	OPERATIO	N
			(TABLE V	II of FMVSS No	o. 108) ⁽⁶⁾			
			MIN	IMUM PHOTON	GROUP MINIMUM			
CPOUR	GROUP TEST POINT NUMBER (degrees)		ı	INTENSITY ⁽¹⁾⁽²⁾ ((cd)	PHOTOME	TRIC INTEN	ISITY (cd)
NUMBER			Lighted Sections	Measu	rements	Required	Meas	ured
				Sample 01#	Sample 02#	Minimum	01#	02#
	20L ⁽⁶⁾	5U	12	44.57	23.21		404.00	
4	20L**/	5D	12	54.26	23.01			116.40
1	5L ⁽⁶⁾	10U	19	34.34	35.84	60	181.23	
	5L\´	10D ⁽³⁾	19	48.06	34.34			
		5U	35	55.89	53.45			170.45
2	10L ⁽⁶⁾	Н	47	60.91	65.11	115	178.59	
		5D	35	61.79	51.89			
	٧	5U	82	98.70	96.42			
	5L ⁽⁶⁾		95	100.58	110.30	445	510.42	524.72
3	V	Н	95	112.27	117.83			
	5R ⁽⁶⁾		95	105.70	106.22			
	V	5D	82	93.17	93.95			
		5U	35	47.52	53.39			
4	10R ⁽⁶⁾	Н	47	59.35	54.91	115	158.18	158.87
		5D	35	51.31	50.57			
	5R ⁽⁶⁾	10U	19	28.29	45.83			
5	אני	10D ⁽³⁾	19	33.93	42.41	60	111 71	105.00
5	20R ⁽⁶⁾	5U	12	18.77	56.01	60	111.71	195.98
	ZUK	5D	12	30.72	51.73	CMOBILE	TECHNO	
	MAXIMUM PHOTOMETRIC INTENSITY ⁽⁴⁾		360	115.89	119.36	埃科	认证器	
						APPR	OVED IN	

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Rear turn signal lamp)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 2 - NUMBER OF LAMPS : 1 - NUMBER OF LIGHTED SECTIONS : 2

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

REAR (RED) TURN SIGNAL LAMP PHOTOMETRY TEST RESULT UPON TIME									
(AT H=0/V=0 POINT)									
SAMPLE NO.	TEST RESU	JLT (unit: cd)	RATIO	REMARK					
SAIVIPLE NO.	1 MIN	30 MIN	1MIN/30MIN	NEWARK					
03#	109.65 104.31		1.051						
04#	112.65	1.054							

RE	REAR (RED) TURN SIGNAL LAMP PHOTOMETRY RESULT AFTER 1 MINUTE OF OPERATION								
			(TABLE V	II of FMVSS No	. 108) ⁽⁶⁾				
			MINIMUM PHOTOMETRIC			GROUP MINIMUM			
GROUP	TEQ	T DOINT	I	NTENSITY ⁽¹⁾⁽²⁾ ((cd)	РНОТОМЕ	TRIC INTEN	ISITY (cd)	
	GROUP TEST POINT NUMBER (degrees)		Lighted	Measu	rements	Required	Meas	ured	
NOWBER			Sections	Measu	rements	Minimum	Meas	uieu	
			2	Sample 03#	Sample 04#	IVIIIIIIIIIIIII	03#	04#	
	20L ⁽⁶⁾	5U	12	43.97	22.26				
4	20L**	5D	12	50.73	22.08	60	176.20	444 74	
1	5L ⁽⁶⁾	10U	19	35.69	34.56	60	176.20	111.71	
	5L`´	10D ⁽³⁾	19	45.81	32.81				
	10L ⁽⁶⁾	5U	35	54.84	42.77				
2		Н	47	58.78	54.85	115	166.65	149.35	
		5D	35	53.03	51.73				
	V	5U	82	94.41	97.63				
	5L ⁽⁶⁾	Н	95	103.84	109.62	445	496.90		
3	V		95	109.65	112.65			522.25	
	5R ⁽⁶⁾		95	101.34	107.06				
	V	5D	82	87.66	95.29				
		5U	35	36.93	51.79				
4	10R ⁽⁶⁾	Н	47	50.07	53.22	115	126.09	153.95	
		5D	35	39.09	48.94				
	5R ⁽⁶⁾	10U	19	28.54	44.60				
E	ok.	10D ⁽³⁾	19	32.15	41.14	60	112.00	190.03	
5	20R ⁽⁶⁾	5U	12	23.87	54.16	60	112.09	189.92	
	ZUK	5D	12	27.53	50.02	TOMOBILE	TECHNOLOS		
MAXIM	UM PHOTO	METRIC	360	110.96	114.28	が接到	21 25 88		
	INTENSITY	-(4)	300	110.90	114.20	APPR	OVED IS)	
						131	(3)		

Reference standard: FMVSS 571.108

REA	R (RED) TL	JRN SIGNAL L	AMP PHOTON	METRY RESUL	T AFTER 30 M	IINUTES OF	OPERATIO	N	
			(TABLE V	II of FMVSS No	. 108) ⁽⁶⁾				
			MIN	MINIMUM PHOTOMETRIC			GROUP MINIMUM		
CPOUR	GROUP TEST POINT IUMBER (degrees)			INTENSITY ⁽¹⁾⁽²⁾ ((cd)	РНОТОМЕ	TRIC INTEN	ISITY (cd)	
NUMBER			Lighted Sections	Measu	rements	Required	Meas	ured	
				Sample 03#	Sample 04#	- Minimum	03#	04#	
	20L ⁽⁶⁾	5U	12	41.83	21.11				
4	20L**	5D	12	48.26	20.94		407.00	405.05	
1	5L ⁽⁶⁾	10U	19	33.95	32.78	60	167.62	105.95	
	5L`´	10D ⁽³⁾	19	43.58	31.12	1			
2 1		5U	35	52.17	40.57				
	10L ⁽⁶⁾	Н	47	55.92	52.03	115	158.54	141.67	
		5D	35	50.45	49.07	1			
	V	5U	82	89.81	92.60	445		495.36	
	5L ⁽⁶⁾		95	98.78	103.98		472.69		
3	V	н	95	104.31	106.85				
	5R ⁽⁶⁾		95	96.40	101.55				
	V	5D	82	83.39	90.38	1			
		5U	35	35.13	49.12				
4	10R ⁽⁶⁾	Н	47	47.63	50.48	115	119.95	146.02	
		5D	35	37.19	46.42	1			
	5R ⁽⁶⁾	10U	19	27.15	42.30				
F	ok\/	10D ⁽³⁾	19	30.58	39.02	60	106.00	100.40	
5	20R ⁽⁶⁾	5U	12	22.71	51.37	- 60	106.63	180.13	
	ZUK`	5D	12	26.19	47.44	TOMOBILE	TECHNOLOS		
MAXIMUM PHOTOMETRIC INTENSITY ⁽⁴⁾			360	105.56	108.40	埃科 APPR	认证)	

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red lens) (Backup lamp)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 1 - NUMBER OF LAMPS : 1

- NUMBER OF LIGHTED SECTIONS : N/A

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

BACKUP LAMP PHOTOMETRY TEST RESULT UPON TIME								
(AT H=0/V=0 POINT)								
SAMPLE NO.	TEST RESULT (unit: cd)		RATIO	REMARK				
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	KEWAKK				
01#	120.93	115.27	1.049					
02# 145.64 140.72 1.035								

BAC	CKUP LA	MP PHO	TOMETRIY RESUL	T AFTER 1	MINUTE OF	OPERATIO	N(TABLE XII	of FMVSS N	o. 108)	
ER	ж 2		MAXIMUM PHOTOMETRIC		TWO LAMP SYSTEM -EACH LAMP			MEASURED		
UMB	TEST	POINT		MINIMU	JM PHOTON	METRIC	GROUP M	INIMUM PHO	TOMETRIC	
GROUP NUMBER	(deg	rees)	INTENSITY (cd)	INT	ENSITY ⁽¹⁾⁽⁴⁾	(cd)	II	NTENSITY (d	cd)	
GRO			ANY SINGLE LAMP	Required	Meas	sured	Required	Mea	sured	
			LAIVIP	Minimum	01#	02#	Minimum	01#	02#	
	5U	300	15	18.47	18.14					
1 ⁽²⁾⁽³⁾	45L	Н	300	15	19.87	18.73	45	57.96	55.63	
		5D	-	15	19.62	18.76				
2 ⁽²⁾⁽³⁾	30L	Н	300	25	38.55	44.28	50	77.40	88.51	
2	JUL	5D	-	25	38.85	44.23	30	77.40	00.01	
	10L	10U	300	10	46.06	34.03				
	TOL	5U	300	20	91.72	38.99				
3	V	10U	300	15	31.11	59.23	100	246.20	415.26	
3	V	5U	300	25	38.56	62.32		240.20	413.20	
	10R	10U	300	10	16.68	91.84				
	IUK	5U	300	20	22.07	128.85				
	10L	Н	300	50	118.97	71.68				
	TOL	5D	-	50	116.45	68.70				
4	V	Н	300	80	120.93	145.64	360	612.05	674.66	
4	V	5D	-	80	108.68	124.31	300	SILE TECHNO	074.00	
	10P	Н	300	50	68.86	134.86	\$10M	3000	2	
	10R	5D	-	50	78.16	129.47	以	科认证	EE .	
5 ⁽²⁾⁽³⁾	30R	Н	300	25	33.85	41.95	OF AF	PROVED 67.72	93.56	
5 ···	JUK	5D	-	25	33.87	51.61		01.12	93.50	
		5U	300	15	17.46	18.50	,			
6 ⁽²⁾⁽³⁾	45R	Н	300	15	18.26	18.94	45	54.10	56.42	
		5D	-	15	18.38	18.98				

Reference standard: FMVSS 571.108

BACK	(UP LAN	IP PHOT	OMETRIY RESULT	AFTER 30 N	MINUTES OF	OPERATIO	N(TABLE XI	I of FMVSS N	No. 108)	
ď			MAXIMUM		TWO LAMP SYSTEM -EACH LAMP			MEASURED		
GROUP NUMBER		POINT rees)	PHOTOMETRIC INTENSITY (cd)		MINIMUM PHOTOMETRIC INTENSITY ⁽¹⁾⁽⁴⁾ (cd)			ROUP MINIM		
GRC			ANY SINGLE	Required	Meas	sured	Required	Meas	sured	
			LAMP	Minimum	01#	02#	Minimum	01#	02#	
		5U	300	15	17.60	17.53				
1 ⁽²⁾⁽³⁾	45L	Н	300	15	18.94	18.09	45	55.24	53.75	
		5D	-	15	18.70	18.13				
2 ⁽²⁾⁽³⁾	30L	Н	300	25	36.74	42.78	50	73.77	85.51	
2	JUL	5D	-	25	37.03	42.73	50	73.77		
	101	10U	300	10	43.90	32.88				
	10L	5U	300	20	87.43	37.67			401.23	
3	V	10U	300	15	29.65	57.23	100	234.68		
3	V	5U	300	25	36.76	60.21	- 100	234.00		
	10R	10U	300	10	15.90	88.74				
	TUK	5U	300	20	21.04	124.50				
	10L	Н	300	50	113.40	69.26				
	TOL	5D	-	50	111.00	66.38				
4	V	Н	300	80	115.27	140.72	360	583.40	651.87	
4	V	5D	-	80	103.59	120.11	300	363.40	031.07	
	10R	Н	300	50	65.64	130.30				
	TUK	5D	-	50	74.50	125.10				
5 ⁽²⁾⁽³⁾	30R	Н	300	25	32.26	40.53	50	64.55	90.39	
3	3011	5D	-	25	32.29	49.86	30	04.00	90.99	
		5U	300	15	16.64	17.88				
6 ⁽²⁾⁽³⁾	45R	Н	300	15	17.41	18.30	45	51.57	54.52	
		5D	-	15	17.52	18.34	01108	LE TECHNO		

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke lens) (Backup lamp)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : 1 - NUMBER OF LAMPS : 1

- NUMBER OF LIGHTED SECTIONS : N/A

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO.

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

BACKUP LAMP PHOTOMETRY TEST RESULT UPON TIME								
(AT H=0/V=0 POINT)								
SAMPLE NO.	TEST RESULT (unit: cd)		RATIO	REMARK				
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	KEWAKK				
03#	114.21	109.15	1.046					
04# 125.85 119.33 1.055								

BACKUP LAMP PHOTOMETRIY RESULT AFTER 1 MINUTE OF OPERATION(TABLE XII of FMVSS No. 108)										
ER	R.		MAXIMUM		TWO LAMP SYSTEM -EACH LAMP			MEASURED		
UMB	TEST F	POINT	PHOTOMETRIC		JM PHOTON		GROUP M	INIMUM PHO	TOMETRIC	
GROUP NUMBER	(deg	rees)	INTENSITY (cd) ANY SINGLE	INT	ENSITY ⁽¹⁾⁽⁴⁾	(cd)	I	NTENSITY (c	:d)	
GR			LAMP	Required	Meas	sured	Required	Mea	sured	
			L/ ((VIII	Minimum	03#	04#	Minimum	03#	04#	
		5U	300	15	17.11	16.41				
1 ⁽²⁾⁽³⁾	45L	Н	300	15	17.24	17.01	45	51.18	50.35	
		5D	-	15	16.83	16.93				
2 ⁽²⁾⁽³⁾	30L	Н	300	25	29.73	34.57	50	58.77	70.13	
	302	5D	-	25	29.04	35.56	30	30.77		
	10L	10U	300	10	55.07	34.95				
	102	5U	300	20	106.31	40.17				
3	V	10U	300	15	54.43	59.78	100	341.05	396.93	
	v	5U	300	25	69.82	62.01	100		330.30	
	10R	10U	300	10	23.58	81.37				
	TOIX	5U	300	20	31.84	118.65				
	10L	Н	300	50	147.64	62.75				
	102	5D	-	50	149.42	59.95				
4	V	Н	300	80	114.21	125.85	360	620.36	606.25	
		5D	-	80	97.72	114.71	NOR	ILE TECHNOLO	000.20	
	10R	Н	300	50	56.16	124.34		162		
	1011	5D	-	50	55.21	118.65	埃埃	5 P C ML	FRW	
5 ⁽²⁾⁽³⁾	30R	Н	300	25	34.22	39.84	AP SSE	68.39	80.98	
	33.1	5D	-	25	34.17	41.14	THE .		/ 25.00	
		5U	300	15	17.16	16.43	,			
6 ⁽²⁾⁽³⁾	45R	Н	300	15	16.81	16.80	45	50.79	50.01	
		5D	-	15	16.82	16.78				

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

BACK	(UP LAN	IP PHOT	OMETRIY RESULT	AFTER 30 N	MINUTES OF	OPERATIO	ON(TABLE XI	I of FMVSS I	No. 108)	
ď			MAXIMUM		TWO LAMP SYSTEM -EACH LAMP			MEASURED		
GROUP NUMBER		POINT rees)	PHOTOMETRIC INTENSITY (cd)		MINIMUM PHOTOMETRIC INTENSITY ⁽¹⁾⁽⁴⁾ (cd)			GROUP MINIMUM PHOTOMETRIC INTENSITY (cd)		
GRC			ANY SINGLE	Required	Meas	sured	Required	Meas	sured	
			LAMP	Minimum	03#	04#	Minimum	03#	04#	
		5U	300	15	16.35	15.56				
1 ⁽²⁾⁽³⁾	45L	Н	300	15	16.47	16.13	45	48.91	47.74	
		5D	-	15	16.09	16.05				
2 ⁽²⁾⁽³⁾	30L	Н	300	25	28.41	32.78	F0	56.16	66.50	
2	JUL	5D	-	25	27.75	33.72	50	56.16	06.50	
	10L	10U	300	10	52.63	33.14				
		5U	300	20	101.60	38.09			376.36	
3	V	10U	300	15	52.02	56.68	100	325.95		
3	V	5U	300	25	66.73	58.80	100	323.33		
	10R	10U	300	10	22.54	77.15				
	IUK	5U	300	20	30.43	112.50				
	10L	Н	300	50	141.10	59.50				
	TOL	5D	-	50	142.80	56.84				
4	V	Н	300	80	109.15	119.33	360	592.87	574.84	
4	V	5D	-	80	93.39	108.77	360	592.67	574.04	
	10R	Н	300	50	53.67	117.90				
	TUK	5D	-	50	52.76	112.50				
5 ⁽²⁾⁽³⁾	30R	Н	300	25	32.70	37.78	- 50	65.36	76.79	
J	3011	5D	-	25	32.66	39.01	30	00.00	10.19	
		5U	300	15	16.40	15.58				
6 ⁽²⁾⁽³⁾	45R	Н	300	15	16.07	15.93	45	48.55	47.42	
		5D	-	15	16.08	15.91	MOBIL	E TECHNO		

埃科认证 APPROVED

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red Lens) (Side Reflex Reflectors)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 30.5 m

BULB TRADE NO. : --TEST VOLTAGE : ---

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

	REFLEX REFLECTOR PHOTOMETRY REQUIREMENTS							
(TABLE XVI-a of FMVSS No. 108)								
OBSERVATI ON ANGLE	ENTRANCE ANGLE	MINIMUM PHOTOMETRIC INTENSITY RED	Measurements					
(degrees)	(degrees)	(mcd/lx)	Sample 01#	Sample 02#				
	0	420	528.68	492.84				
	10U	280	363.03	359.98				
0.2	10D ⁽¹⁾	280	372.10	360.50				
	20L	140	188.06	157.44				
	20R	140	157.45	185.84				
	0	6	11.80	10.00				
	10U	5	8.43	9.69				
1.5	10D ⁽¹⁾	5	10.92	11.06				
	20L	3	31.61	7.98				
	20R	3	5.04	36.04				

⁽¹⁾ Where reflex reflectors are mounted with their axis of reference less than 750 mm. above the road surface photometry requirements below 5° down may be met at 5° down rather than at the required specified downward angle.

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke Lens) (Side Reflex Reflectors)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 30.5 m

BULB TRADE NO. : --TEST VOLTAGE : ---

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

	REFLEX REFLECTOR PHOTOMETRY REQUIREMENTS								
	(TABLE XVI-a of FMVSS No. 108)								
OBSERVATI ON ANGLE	ENTRANCE ANGLE	MINIMUM PHOTOMETRIC INTENSITY RED	Measurements						
(degrees)	(degrees)	(mcd/lx)	Sample 03#	Sample 04#					
	0	420	497.60	467.91					
	10U	280	288.37	285.12					
0.2	10D ⁽¹⁾	280	286.24	308.95					
	20L	140	174.73	147.57					
	20R	140	149.09	156.02					
	0	6	9.15	8.32					
	10U	5	7.76	6.84					
1.5	10D ⁽¹⁾	5	9.88	9.92					
	20L	3	35.53	5.17					
	20R	3	5.57	40.11					

⁽¹⁾ Where reflex reflectors are mounted with their axis of reference less than 750 mm. above the road surface photometry requirements below 5° down may be met at 5° down rather than at the required specified downward angle.

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red Lens) (Rear Reflex Reflectors)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 30.5 m

BULB TRADE NO. : --TEST VOLTAGE : ---

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

	REFLEX REFLECTOR PHOTOMETRY REQUIREMENTS								
	(TABLE XVI-a of FMVSS No. 108)								
OBSERVATI ON ANGLE	ENTRANCE ANGLE	MINIMUM PHOTOMETRIC INTENSITY RED	Measurements						
(degrees)	(degrees)	(mcd/lx)	Sample 01#	Sample 02#					
	0	420	479.32	497.12					
	10U	280	331.09	339.35					
0.2	10D ⁽¹⁾	280	337.86	348.00					
	20L	140	173.11	163.04					
	20R	140	155.82	183.48					
	0	6	24.36	24.14					
	10U	5	8.55	8.68					
1.5	10D ⁽¹⁾	5	10.62	11.61					
	20L	3	8.41	9.37					
	20R	3	6.18	8.55					

⁽¹⁾ Where reflex reflectors are mounted with their axis of reference less than 750 mm. above the road surface photometry requirements below 5° down may be met at 5° down rather than at the required specified downward angle.

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke Lens) (Rear Reflex Reflectors)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 30.5 m

BULB TRADE NO. : --TEST VOLTAGE : ---

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

	REFLEX REFLECTOR PHOTOMETRY REQUIREMENTS								
	(TABLE XVI-a of FMVSS No. 108)								
OBSERVATI ON ANGLE	ENTRANCE ANGLE	MINIMUM PHOTOMETRIC INTENSITY RED	Measurements						
(degrees)	(degrees)	(mcd/lx)	Sample 03#	Sample 04#					
	0	420	467.20	466.47					
	10U	280	295.70	338.83					
0.2	10D ⁽¹⁾	280	291.63	347.35					
	20L	140	152.26	153.30					
	20R	140	142.49	147.26					
	0	6	27.46	24.09					
	10U	5	9.82	8.74					
1.5	10D ⁽¹⁾	5	12.42	10.51					
	20L	3	9.01	11.07					
	20R	3	12.79	8.06					

⁽¹⁾ Where reflex reflectors are mounted with their axis of reference less than 750 mm. above the road surface photometry requirements below 5° down may be met at 5° down rather than at the required specified downward angle.



Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF734 (Red Lens) (Side Marker Lamp)

SAMPLE No : 01#, 02#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 30, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO. : ---

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OBILE TECH

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

SIDE MARKER LAMPS PHOTOMETRY TEST RESULT UPON TIME							
(AT H=0/V=0 POINT)							
OAMBI E NO	TEST RESULT (unit: cd)		RATIO	REMARK			
SAMPLE NO.	1 MIN	30 MIN	1MIN/30MIN	REWARK			
01#	75.48	73.13	1.032				
02#	02# 74.40 72.13 1.031						

SIDE MARKER LAMPS PHOTOMETRY RESULT AFTER 1 MINUTE OF OPERATION							
	(TABLE X OF FMVSS No. 108)						
		MINIMUM PHOTOMETRIC	Magauremente				
TEST POINT (degrees)		INTENSITY ⁽²⁾ (cd)	Measurements				
		RED LAMPS	Sample 01#	Sample 02#			
	45L ⁽¹⁾	0.25	54.35	36.29			
10U	V	0.25	71.55	72.37			
	45R ⁽¹⁾	0.25	26.49	52.70			
	45L ⁽¹⁾	0.25	55.62	35.84			
н	V	0.25	75.48	74.40			
	45R ⁽¹⁾	0.25	23.41	53.64			
	45L ⁽¹⁾	0.25	55.12	30.84			
10D ⁽³⁾	V	0.25	66.63	72.66			
	45R ⁽¹⁾	0.25	21.30	52.25			

Reference standard: FMVSS 571.108

SIDE MARKER LAMPS PHOTOMETRY RESULT AFTER 30 MINUTES OF OPERATION
(TABLE X OF FMVSS No. 108)

TEST POINT (degrees)		MINIMUM PHOTOMETRIC INTENSITY ⁽²⁾ (cd)	Measurements Sample 01# Sample 02#	
		RED LAMPS		
	45L ⁽¹⁾	0.25	52.66	35.18
10U	V	0.25	69.32	70.16
	45R ⁽¹⁾	0.25	25.67	51.09
	45L ⁽¹⁾	0.25	53.89	34.75
Н	V	0.25	73.13	72.13
	45R ⁽¹⁾	0.25	22.68	52.00
	45L ⁽¹⁾	0.25	53.40	29.90
10D ⁽³⁾	V	0.25	64.56	70.44
	45R ⁽¹⁾	0.25	20.64	50.66

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 4) PHOTOMETRY(CONTINUED)

TEST COMPONENT : LF735 (Smoke Lens) (Side Marker Lamp)

SAMPLE No : 03#, 04#

FMVSS No. 108 REQUIREMENT :

VEHICLE TYPE/SIZE :

- NUMBER OF COMPARTMENTS : --- NUMBER OF LAMPS : 1
- NUMBER OF LIGHTED SECTIONS : ---

TEST PERFORMED BY : Cao Wei

DATE : January 31, 2023

PHOTOMETRIC TEST DISTANCE : 3.16 m

BULB TRADE NO. : ---

TEST VOLTAGE : 12.8V

AIM NOTES : Reference center refer to the drawing on last

page

OTHER NOTES : ---

RESULTS : PASS

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SIDE MARKER LAMPS PHOTOMETRY TEST RESULT UPON TIME					
(AT H=0/V=0 POINT)					
SAMPLE NO.	TEST RESULT (unit: cd)		RATIO	REMARK	
	1 MIN	30 MIN	1MIN/30MIN	REWARK	
03#	48.96	47.36	1.034		
04#	45.56	43.69	1.043		

SIDE MARKER LAMPS PHOTOMETRY RESULT AFTER 1 MINUTE OF OPERATION							
	(TABLE X OF FMVSS No. 108)						
		MINIMUM PHOTOMETRIC	Measurements				
TEST POINT (degrees)	INTENSITY ⁽²⁾ (cd)					
		RED LAMPS	Sample 03#	Sample 04#			
	45L ⁽¹⁾	0.25	33.64	20.81			
10U	V	0.25	46.24	44.31			
	45R ⁽¹⁾	0.25	18.54	30.74			
	45L ⁽¹⁾	0.25	34.59	20.73			
Н	V	0.25	48.96	45.56			
	45R ⁽¹⁾	0.25	16.16	31.63			
	45L ⁽¹⁾	0.25	34.28	18.00			
10D ⁽³⁾	V	0.25	43.52	44.65			
	45R ⁽¹⁾	0.25	14.70 NOBILE	TECHNO 30.78			

埃科认证

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SIDE MARKER LAMPS PHOTOMETRY RESULT AFTER 30 MINUTES OF OPERATION
(TABLE X OF FMVSS No. 108)

TEST POINT (degrees)		MINIMUM PHOTOMETRIC INTENSITY ⁽²⁾ (cd)	Measurements	
		RED LAMPS	Sample 03# Sample 04#	
	45L ⁽¹⁾	0.25	32.54	19.96
10U	V	0.25	44.73	42.49
	45R ⁽¹⁾	0.25	17.93	29.48
	45L ⁽¹⁾	0.25	33.46	19.88
Н	V	0.25	47.36	43.69
	45R ⁽¹⁾	0.25	15.63	30.33
	45L ⁽¹⁾	0.25	33.16	17.26
10D ⁽³⁾	V	0.25	42.10	42.82
	45R ⁽¹⁾	0.25	14.22	E TECHNO. 29.52

APPROVED

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 5) PHYSICAL TESTS

VIBRATION TEST

	YES	NO
Devices completed test without evidence of material physical weakness of failure of	./	
parts which affects proper function	V	
No evidence of lens or reflector rotation which affects proper function	✓	
Necessary to rephotometer test		✓
Additional photometric Data Sheet added to report		✓

MOISTURE TEST

	YES	NO
Devices accumulated less than 2 cc of Moisture	✓	

DUST TEST

	YES	NO
At completion of test, Max Candlepower Readings of Devices were	1	
within 10% of those prior to Dust Test	•	
Necessary to rephotometer test		✓
Additional photometric Data Sheet added to report		✓

CORROSION TEST

	YES	NO
Device completed test without evidence of Corrosion	✓	
Necessary to rephotometer test		✓
Additional photometric Data Sheet added to report		✓

PLASTIC OPTICAL MATERIAL TEST

Device completed test and meets applicable performance requirements specified in

Appendix H of this test procedure

APPROVED

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 6) PHOTOGRAPHS OF TEST SAMPLE

Variant A: LF734 (Red Lens)



FRONT VIEW



SIDE VIEW



REAR VIEW

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 6) PHOTOGRAPHS OF TEST SAMPLE (CONTINUED)

Variant B: LF735 (Smoke Lens)



FRONT VIEW



SIDE VIEW



REAR VIEW

Reflectors, Rear Reflex Reflectors, Side Marker Lamp)

Reference standard: FMVSS 571.108

Report number: AT23XX1D49711, Date: February 7, 2023

SECTION 7) DRAWINGS

