



AUTOMOTIVE MANUFACTURERS EQUIPMENT  
COMPLIANCE AGENCY, INC.

## AMECA NOTICE OF EQUIPMENT COMPLIANCE™

This notice verifies that the item described below has been tested by an accredited laboratory and has been found to be in compliance with the jurisdictional standard(s) listed below where applicable. The issuance of this AMECA Notice of Equipment Compliance™ does not denote or imply any endorsement or recommendation of the item described below.

Notification Number: 181610

Test Report Date: October 16, 2018

Expiration Date: January 1, 2022

Item: "11-CV001/11-CV002" - Combination Stop, Tail, Turn Signal, Backup And Side Marker Lamp With Reflex Reflector - Red And White In Color

Use: On 2014-2015 Model Years Chevrolet Silverado Motor Vehicles

Jurisdictional Compliance Standard(S)

Identical To: United States FMVSS 571.108 Photometric Only

Item Markings: Lens: 11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT  
Housing: 12V

Lightsource: Stop Lamp:	56 LED'S, 12.8V
Turn Signal Lamp:	56 LED'S, 12.8V
Tail Lamp:	56 LED's, 12.8V
Backup Lamp:	1 LED, 12.8V
Side Marker Lamp:	8 LED's, 12.8V

Test Lab: ISOQA Technical Service Co., Ltd.

Report Number: ISOQA-18-0576

  
Executive Director



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**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting



## **SAFETY COMPLIANCE TESTING FOR FMVSS 108**

Lamps, Reflective Devices, and Associated Equipment

\* \* \* \* \*

### **ISOQA Technical Service Co., Ltd.**

60, Yong Long Road,  
Da-Li, Taichung, 41257  
Taiwan

## **TEST REPORT**



Signature of Responsible Laboratory Official  
Title: Laboratory Manager

Approval Date

**Report No. : ISOQA-18-0576**

*Test Component* : R : 11-CV001 / L : 11-CV002

*Applicant* : Morimoto Lighting

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Report      Prepared By      :    Lisa Liu  
                 Review By         :    J.Y Pan  
                 Approval By        :    Arthur Chang





**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

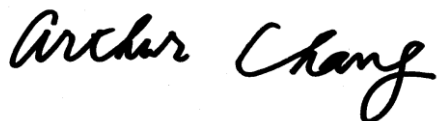
## TURN SIGNAL LAMP TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	LED × 56

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_



Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT		
Marking on Housing	12 V		
Lens Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE N-000 Clear		
Coating of External Lens	-		
Light Sources Used	Trade No/ Designation	LED	
	Quantity	56	
	Rated Voltage	12 V	

Remarks : \_\_\_\_\_

**EFFECTIVE PROJECTED LUMINOUS LENS AREA**

Test Performed by : Bo Yang Lee Date : 2018/10/3

Vehicle Type	Passenger cars, multipurpose passenger vehicles, trucks, trailers, and buses of less than 2032 mm in overall width		
Method of determination	Projected		
Effective projected illuminated area of lens (mm <sup>2</sup> )	Requirement	Value	Result
	5000	14500	PASSED

Remarks : \_\_\_\_\_

**PHOTOMETRY TEST**

Test Performed by : Bo Yang Lee                      Date : 2018/10/3  
 Test distance(m) : 3.167 m                      Light Source Designation : LED × 56  
 Tested Voltage : 12.8 V                      Lighted Sections : 2

Steady Burning at H-V (according to SAE J1889)	Sample 1			Sample 2		
	1 min.	Steady	Ratio	1 min.	Steady	Ratio
	232.5	112.5	2.07	232.3	113.3	2.05

Test Points	Zone	Rto.	Minimum (cd)	Maximum (cd)	Sample 1		Sample 2	
		Tail Lamp			Rto	Measured <sup>(1)</sup>	Rto	Measured <sup>(1)</sup>
5U - 20L	1	3	12	360	9.4	63.80	9.9	81.50
5D - 20L	1	3	12	360	8.6	65.56	9.0	81.40
10U - 5L	1	3	19	360	10.4	83.10	11.0	93.90
10D - 5L	1	3	19	360	8.3	81.07	8.6	86.10
5U - 10L	2	3	35	360	9.5	86.60	9.9	94.40
H - 10L	2	3	47	360	9.3	91.00	9.7	100.20
5D - 10L	2	3	35	360	8.6	85.70	9.0	92.80
5U - V	3	5	82	360	9.6	108.70	10.0	116.10
H - 5L	3	5	95	360	9.1	101.50	9.5	115.30
H - V	3	5	95	360	9.8	112.50	7.7	113.30
H - 5R	3	5	95	360	8.9	117.40	9.4	109.80
5D - V	3	3	82	360	8.7	110.40	9.0	111.20
5U - 10R	4	3	35	360	9.8	92.70	10.1	96.30
H - 10R	4	3	47	360	8.9	94.10	9.3	100.50
5D - 10R	4	3	35	360	8.8	93.10	9.0	91.70
10U - 5R	5	3	19	360	10.2	90.60	10.7	90.10
10D - 5R	5	3	19	360	8.3	91.50	8.6	81.80
5U - 20R	5	3	12	360	10.0	89.90	10.6	83.00
5D - 20R	5	3	12	360	8.9	91.60	9.2	70.95
Visibility			0.3	360	-	(1.91) 113.61	-	(3.01) 116.71

**Zone Total Luminous Intensity**

Zone	Minimum (cd)	Sample 1	Sample 2
1	60	293.53	342.90
2	115	263.30	287.40
3	445	550.50	565.70
4	115	279.90	288.50
5	60	363.60	325.85

(1) The measured values at each individual test point shall not be less than 60% of the required minimum value shown for that individual test point location. The sum of the luminous intensity measurements at each test point within a zone shall not be less than the Zone Total Luminous Intensity shown.



Report No. : ISOQA-18-0576

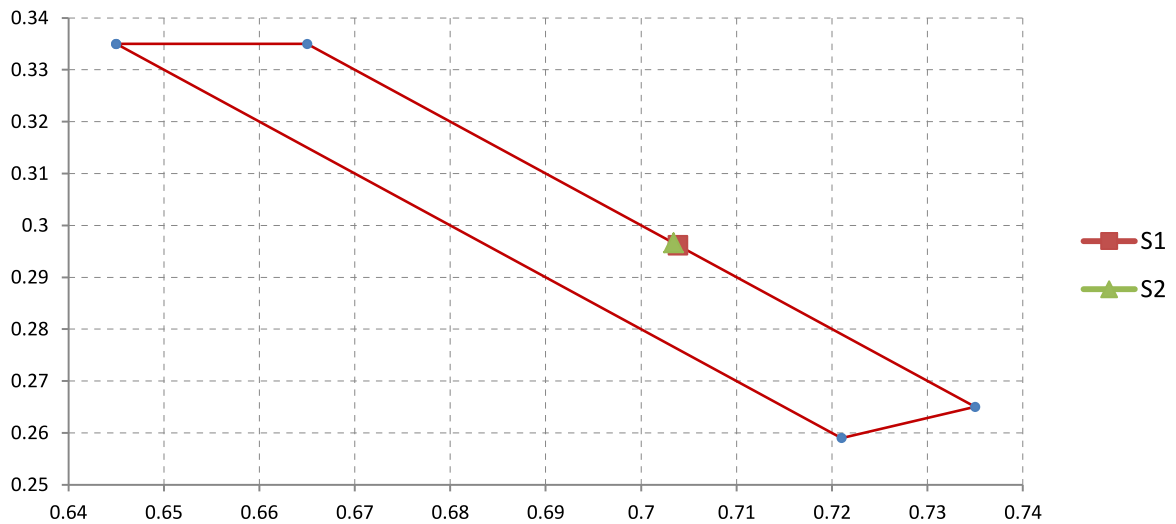
Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

### COLOR TEST

Test Performed by : Bo Yang Lee                      Date : 2018/10/3  
Test distance(m) : 3.073 m                      Light Source Designation : LED × 56  
Color of Light Emitted : Red

Color emitted from HV point		Sample 1	Sample 2
	x=	0.7039	0.7034
	y=	0.2961	0.2966



Remarks :

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

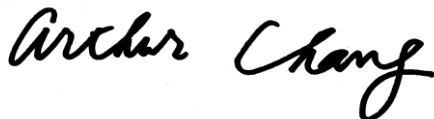
## TAIL LAMP TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	LED × 56

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_



Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT	
Marking on Housing	12 V	
Lens Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE N-000 Clear	
Coating of External Lens	-	
Light Sources Used	Trade No/ Designation	LED
	Quantity	56
	Rated Voltage	12 V

Remarks : \_\_\_\_\_

**PHOTOMETRY TEST**

Test Performed by : Bo Yang Lee Date : 2018/10/3  
 Test distance(m) : 3.167 m Light Source Designation : LED × 56  
 Tested Voltage : 12.8 V Lighted Sections : 2

Steady Burning at H-V (according to SAE J1889)	Sample 1			Sample 2		
	1 min.	Steady	Ratio	1 min.	Steady	Ratio
	14.71	11.44	1.29	16.51	14.76	1.12

Test Points	Zone	Minimum (cd)	Maximum (cd)	Sample 1	Sample 2
				Measured <sup>(1)</sup>	Measured <sup>(1)</sup>
5U - 20L	1	0.5	20	6.77	8.25
5D - 20L	1	0.5	-	7.66	9.08
10U - 5L	1	0.7	20	7.99	8.51
10D - 5L	1	0.7	-	9.75	10.01
5U - 10L	2	1.4	20	9.15	9.51
H - 10L	2	1.4	20	9.77	10.33
5D - 10L	2	1.4	-	9.93	10.34
5U - V	3	3.1	20	11.34	11.62
H - 5L	3	3.5	20	11.19	12.20
H - V	3	3.5	20	11.44	14.76
H - 5R	3	3.5	20	13.26	11.64
5D - V	3	3.1	-	12.67	12.35
5U - 10R	4	1.4	20	9.49	9.49
H - 10R	4	1.4	20	10.59	10.85
5D - 10R	4	1.4	-	10.63	10.15
10U - 5R	5	0.7	20	8.89	8.42
10D - 5R	5	0.7	-	11.05	9.54
5U - 20R	5	0.5	20	8.96	7.86
5D - 20R	5	0.5	-	10.35	7.75
Visibility below HH		0.05	-	(1.54)	(1.45)
Visibility on or above HH		0.05	20	(1.46) 15.38	(1.50) 16.53

**Zone Total Luminous Intensity**

Zone	Minimum (cd)	Sample 1	Sample 2
1	2.4	32.17	35.85
2	4.2	28.85	30.18
3	16.8	59.90	62.57
4	4.2	30.71	30.49
5	2.4	39.25	33.57

(1) The measured values at each individual test point shall not be less than 60% of the required minimum value shown for that individual test point location. The sum of the luminous intensity measurements at each test point within a zone shall not be less than the Zone Total Luminous Intensity shown.



**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

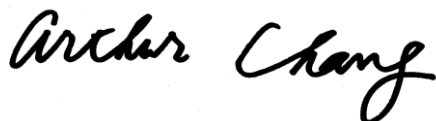
## STOP LAMP TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	LED × 56

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_



Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT		
Marking on Housing	12 V		
Lens Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE N-000 Clear		
Coating of External Lens	-		
Light Sources Used	Trade No/ Designation	LED	
	Quantity	56	
	Rated Voltage	12 V	

Remarks : \_\_\_\_\_

**EFFECTIVE PROJECTED LUMINOUS LENS AREA**

Test Performed by : Bo Yang Lee Date : 2018/10/3

Vehicle Type	Passenger cars, multipurpose passenger vehicles, trucks, trailers, and buses of less than 2032 mm in overall width		
Method of determination	Projected		
Effective projected illuminated area of lens (mm <sup>2</sup> )	Requirement	Value	Result
	5000	14500	PASSED

Remarks : \_\_\_\_\_

### PHOTOMETRY TEST

Test Performed by	: Bo Yang Lee	Date	: 2018/10/3
Test distance(m)	: 3.167 m	Light Source Designation	: LED × 56
Tested Voltage	: 12.8 V	Lighted Sections	: 2

Steady Burning at H-V (according to SAE J1889)	Sample 1			Sample 2		
	1 min.	Steady	Ratio	1 min.	Steady	Ratio
		232.7	112.6	2.07	231.7	113

Test Points	Zone	Rto.	Minimum (cd)	Maximum (cd)	Sample 1		Sample 2	
		Tail Lamp			Rto	Measured <sup>(1)</sup>	Rto	Measured <sup>(1)</sup>
5U - 20L	1	3	12	360	9.0	61.02	9.0	73.96
5D - 20L	1	3	12	360	8.2	62.92	8.2	74.09
10U - 5L	1	3	19	360	10.0	79.73	10.0	85.30
10D - 5L	1	3	19	360	8.0	77.92	7.9	79.16
5U - 10L	2	3	35	360	9.1	83.00	9.0	85.30
H - 10L	2	3	47	360	8.9	87.20	8.8	90.90
5D - 10L	2	3	35	360	8.3	82.20	8.2	84.40
5U - V	3	5	82	360	9.2	104.20	9.1	105.40
H - 5L	3	5	95	360	9.0	100.40	8.8	107.70
H - V	3	5	95	360	9.8	112.60	7.7	113.00
H - 5R	3	5	95	360	8.7	114.80	8.8	102.40
5D - V	3	3	82	360	8.4	106.10	8.2	101.40
5U - 10R	4	3	35	360	9.4	88.80	9.2	87.50
H - 10R	4	3	47	360	8.5	90.30	8.4	91.50
5D - 10R	4	3	35	360	8.4	89.50	8.3	83.90
10U - 5R	5	3	19	360	9.8	86.90	9.7	81.50
10D - 5R	5	3	19	360	8.0	88.00	7.8	74.60
5U - 20R	5	3	12	360	9.6	86.20	9.6	75.09
5D - 20R	5	3	12	360	8.5	88.20	8.3	64.70
Visibility			0.3	360	-	(17.10) 113.41	-	(20.21) 115.52

#### Zone Total Luminous Intensity

Zone	Minimum (cd)	Sample 1	Sample 2
1	60	281.59	312.51
2	115	252.40	260.60
3	445	538.10	529.90
4	115	268.60	262.90
5	60	349.30	295.89

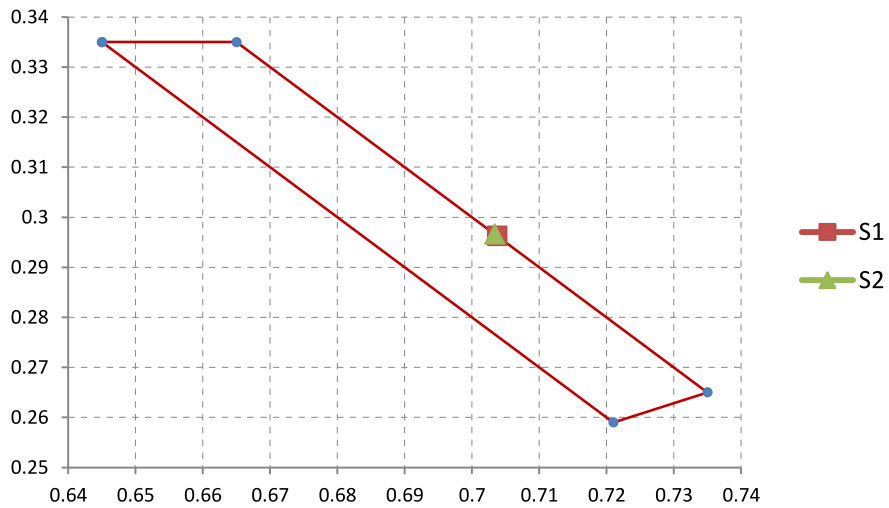
(1) The measured values at each individual test point shall not be less than 60% of the required minimum value shown for that individual test point location. The sum of the luminous intensity measurements at each test point within a zone shall not be less than the Zone Total Luminous Intensity shown.



COLOR TEST

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Test distance(m) : 3.073 m Light Source Designation : LED × 56  
Color of Light Emitted : Red

Color emitted from HV point		Sample 1	Sample 2
	x=	0.7038	0.7034
y=	0.2962	0.2966	



Remarks :

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

## BACKUP LAMP TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	LED × 1

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_

*Archer Chang*

Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

*Test Component* : R : 11-CV001 / L : 11-CV002

*Applicant* : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT	
Marking on Housing	12 V	
Lens Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE N-000 Clear	
Coating of External Lens	-	
Light Sources Used	Trade No/ Designation	LED
	Quantity	1
	Rated Voltage	12 V

Remarks : \_\_\_\_\_

## PHOTOMETRY TEST

Test Performed by	: Bo Yang Lee	Date	: 2018/10/3
Test distance(m)	: 3.167 m	Light Source Designation	: LED × 1
Tested Voltage	: 12.8 V	Lighted Sections	: -

Steady Burning at H-V (according to SAE J1889)	Sample 1			Sample 2		
	1 min.	Steady	Ratio	1 min.	Steady	Ratio
		279	249.1	1.12	244.8	217.4

Test Points	Zone	Two Lamps System		Sample 1	Sample 2
		Minimum (cd)	Maximum (cd)	Measured	Measured
5U - 45L	1	15	300	102.00	120.10
H - 45L	1	15	300	77.67	131.40
5D - 45L	1	15	-	72.02	119.30
H - 30L	2	25	300	186.10	209.00
5D - 30L	2	25	-	102.80	192.50
10U - 10L	3	10	300	76.61	11.00
10U - V	3	15	300	51.64	11.51
10U - 10R	3	10	300	50.15	10.98
5U - 10L	3	20	300	152.70	132.80
5U - V	3	25	300	163.60	125.10
5U - 10R	3	20	300	173.10	129.20
H - 10L	4	50	300	214.70	236.70
H - V	4	80	300	217.40	249.10
H - 10R	4	50	300	228.10	241.50
5D - 10L	4	50	-	167.10	226.80
5D - V	4	80	-	186.70	240.70
5D - 10R	4	50	-	200.70	239.30
H - 30R	5	25	300	198.20	207.30
5D - 30R	5	25	-	170.30	180.30
5U - 45R	6	15	300	115.10	97.80
H - 45R	6	15	300	150.30	117.10
5D - 45R	6	15	-	107.90	95.60
Maximum		-	300	234.35	254.09

### Zone Total Luminous Intensity

Zone	Minimum (cd)	Sample 1	Sample 2
1	45	251.69	370.80
2	50	288.90	401.50
3	100	667.80	420.59
4	360	1214.70	1434.10
5	50	368.50	387.60
6	45	373.30	310.50

(1) The measured values at each individual test point shall not be less than 60% of the required minimum value shown for that individual test point location. The sum of the luminous intensity measurements at each test point within a zone shall not be less than the Zone Total Luminous Intensity shown.

**Report No. : ISOQA-18-0576**

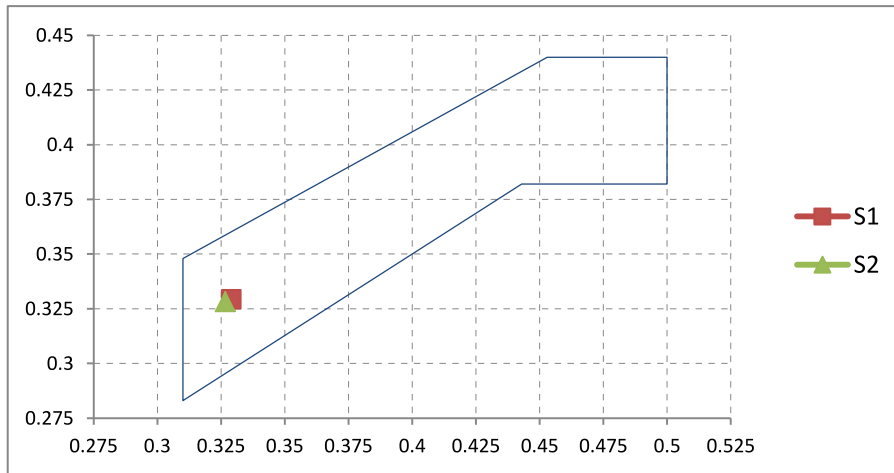
Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**COLOR TEST**

Test Performed by : Bo Yang Lee                      Date : 2018/10/3  
Test distance(m) : 3.167 m                      Light Source Designation : LED × 1  
Color of Light Emitted : White

Color emitted from HV point		Sample 1	Sample 2
	x=	0.3292	0.3267
y=	0.3293	0.3282	



Remarks :

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

## SIDE MARKER LAMP TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	LED × 8

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_

*Archer Chang*

Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

*Test Component* : R : 11-CV001 / L : 11-CV002

*Applicant* : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT	
Marking on Housing	12 V	
Lens Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE N-000 Clear	
Coating of External Lens	-	
Light Sources Used	Trade No/ Designation	LED
	Quantity	8
	Rated Voltage	12 V

Remarks : \_\_\_\_\_

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHOTOMETRY TEST**

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Test distance(m) : 3.167 m Light Source Designation : LED × 8  
Tested Voltage : 12.8 V

Steady Burning at H-V (according to SAE J1889)	Sample 1			Sample 2		
	1 min.	Steady	Ratio	1 min.	Steady	Ratio
	3.754	3.502	1.07	2.643	2.676	0.99

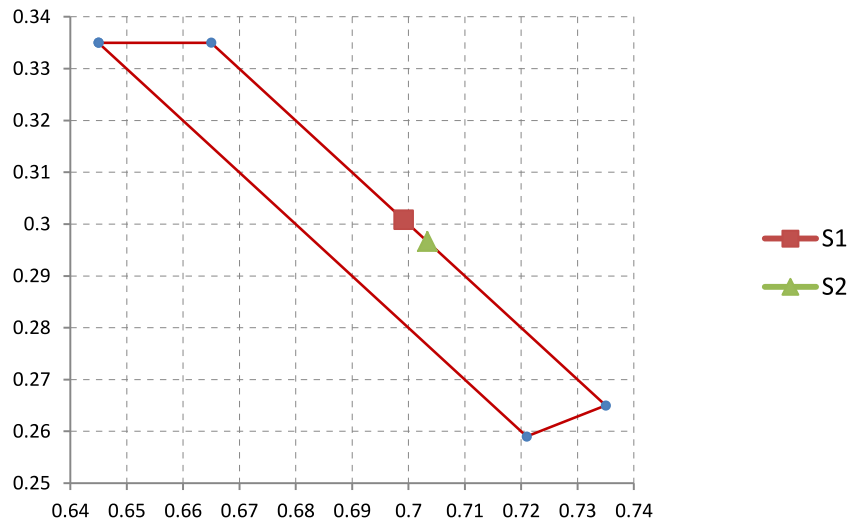
Test Points	Minimum (cd)		Sample 1	Sample 2
	FMVSS 108	SAE J2042	Measured	Measured
H - V	0.25	-	3.50	2.68
10U - 45R	0.25	-	0.47	1.69
10U - V	0.25	-	2.49	2.17
10U - 45L	0.25	-	1.52	0.40
H - 45L	0.25	-	1.90	0.39
H - 45R	0.25	-	0.53	2.21
10D - 45R	0.25	-	0.82	1.68
10D - V	0.25	-	2.82	2.23
10D - 45L	0.25	-	1.61	0.36



COLOR TEST

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Test distance(m) : 3.073 m Light Source Designation : LED × 8  
Color of Light Emitted : Red

Color emitted from HV point		Sample 1	Sample 2
	x=	0.6992	0.7034
y=	0.3008	0.2966	



Remarks :

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

## REFLEX REFLECTOR TEST REPORT

Test Component	R : 11-CV001 / L : 11-CV002
Applicant	Morimoto Lighting
Test Laboratory	ISOQA Technical Service Co., Ltd.
Test Date	2018/10/3
Report Number	ISOQA-18-0576
Number of devices tested	See below
Light source Designation	N/A

### SUMMARY

Test Description	Test Results	
	Number Passed	Number Failed
- Physical Inspection	2	-
- Photometry Test	2	-
- Color Test	2	-

Remarks : \_\_\_\_\_

*Archer Chang*

Signature of Responsible Laboratory Official

Title : Laboratory Manager

Date: : October 16, 2018

**Report No. : ISOQA-18-0576**

*Test Component* : R : 11-CV001 / L : 11-CV002

*Applicant* : Morimoto Lighting

**PHYSICAL INSPECTION**

Inspection Performed by : Bo Yang Lee Date : 2018/10/3

Marking on Lens	11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT	
Marking on Housing	12 V	
Reflex Reflector Material	CHIMEI Corporation ACRYREX CM-205 POLYMETHYL METHACRYLATE R-003 Red	
Coating of External Lens	-	
Light Sources Used	Trade No/ Designation	N/A
	Quantity	N/A
	Rated Voltage	N/A

Remarks : \_\_\_\_\_

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHOTOMETRY TEST**  
**REAR REFLEX REFLECTOR**

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Test distance(m) : 100 ft Color of Light Emitted : Red

Observe Angle	Entrance Angle		Minimum (Mcd/ Lux)	Sample 1	Sample 2
0.2	0	0	420	781.00	1498.00
0.2	H	10U	280	609.00	553.00
0.2	H	10D	280	577.00	483.00
0.2	20L	V	140	249.00	361.00
0.2	20R	V	140	328.00	226.00
1.5	0	0	6	78.90	19.80
1.5	H	10U	5	39.20	26.40
1.5	H	10D	5	43.00	37.80
1.5	20L	V	3	13.60	16.90
1.5	20R	V	3	15.20	18.20

**Report No. : ISOQA-18-0576**

Test Component : R : 11-CV001 / L : 11-CV002

Applicant : Morimoto Lighting

**PHOTOMETRY TEST**  
**SIDE REFLEX REFLECTOR**

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Test distance(m) : 100 ft Color of Light Emitted : Red

Observe Angle	Entrance Angle		Minimum (Mcd/ Lux)	Sample 1	Sample 2
0.2	0	0	420	1134.00	933.00
0.2	H	10U	280	824.00	795.00
0.2	H	10D	280	859.00	835.00
0.2	20L	V	140	440.00	382.00
0.2	20R	V	140	407.00	517.00
1.5	0	0	6	27.50	99.00
1.5	H	10U	5	28.50	41.50
1.5	H	10D	5	23.80	33.80
1.5	20L	V	3	12.10	16.60
1.5	20R	V	3	12.90	21.60

**COLOR TEST**

Test Performed by : Bo Yang Lee Date : 2018/10/3  
Color of Light Emitted : Red

Requirement (Visual Method)	PASS	FAILED
Red. Red is not acceptable if it is less saturated (paler), yellower, or bluer than the limit standards.	x	

Remarks : \_\_\_\_\_

**Report No. : ISOQA-18-0576**

*Test Component* : R : 11-CV001 / L : 11-CV002

*Applicant* : Morimoto Lighting



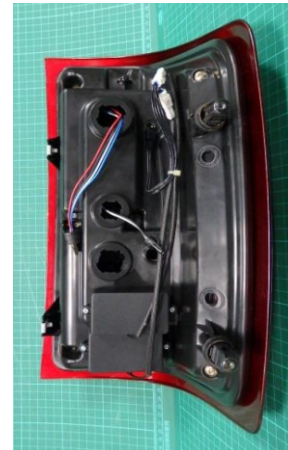
Front View



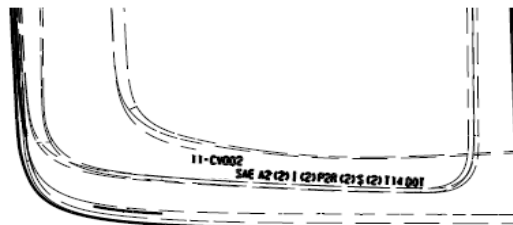
Side View



Top View



Rear View



11-CV002  
SAE A2(2)I(2)P2R(2)S(2)T 14 DOT

11-CV002 (or 11-CV001) SAE A2(2)I(2)P2R(2)S(2)T 14 DOT

**Marking**