BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC.
1618 HEADLAND DR.
FENTON, MO 63026
(636) 343-6006
(636) 343-6051 FAX

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS REPORT NO. : 20798.0 I DATE: 05/06/19
PREPARED FOR: H.E. WILLIAMS, INC - CARTHAGE, MO
ESCRIPTION: 4-192 LED 22"ARRAYS EACH ON ALUM HEATSINK 24x19"HIGHBAY LUMINAIRE w/CLEAR ACRYLIC LENSES OVER LEDS & CENTER DRIVER HOUSING 4-ADVANCE #XI095C275V054BSF1 @ 1300mA
CATALOG NO.: GP4-L300/840-W-CL-DIM-UNV
LED : MADE #10560431
LM80 Test Ref: SEOUL SEMICONDUCTOR # I-150529-25-K-04

IN-SITU TEMPERATURE MEASUREMENT

Tested in Accordance with Standard UL1598-2008

ELECTRICAL CHARACTERISTICS

	VOLT	AMPS	WATTS	PF	THDv	THDi
INPUT LINE:	120.07	1.6934	201.54	.9911	.3103	10.864
DRIVER 1 LOAD:	33.579	1.2937	43.444	1.000		
DRIVER 2 LOAD:	33.568	1.2942	43.446	1.000		
DRIVER 3 LOAD:	33.599	1.2923	43.423	1.000		
DRIVER 4 LOAD:	33.511	1.2984	43.510	1.000		

TEMPERATURES:		(DEGREES C)
TC#1	ROOM AMBIENT	25.0
TC#2	LED DRIVER #1 TMP_{ps}	41.4
TC#3	LED DRIVER #2 TMP_{ps}	40.5
TC#4	LED DRIVER #3 TMP_{ps}	40.6
TC#5	LED DRIVER #4 TMP_{ps}	41.7
TC#6	LED1 ARRAY #1 LED#144	57.8
TC#7	LED2 ARRAY #2 LED#120	53.7
TC#8	LED3 ARRAY #2 LED#168	51.8
TC#9	LED4 ARRAY #4 LED#168	53.2
TC#10	LED5 ARRAY #4 LED#120	53.5
TC#11	LED6 ARRAY #3 LED#144	53.7

Location of led array & driver thermocouples determined per LM80 data & manufacturer's specifications. All thermocouples attached per UL1598. Temperatures are offset to 25 deg C ambient as described in UL1598.

NVLAP LAB Code 20921-0

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

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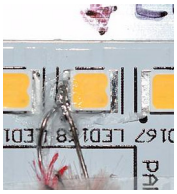
LED : MADE #10560431

IN-SITU TEMPERATURE MEASUREMENT

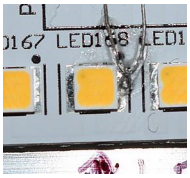
LED Thermocouple Locations Photographs

TC#6
Array1
Led#144

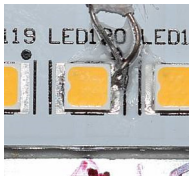
TC#7
Array2
LED #120



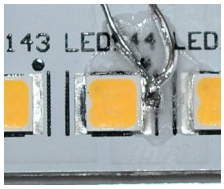
TC#8
Array2
LED #168



TC#9
Array4
LED #168

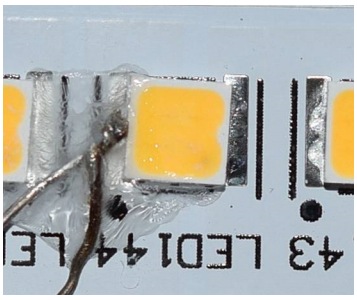


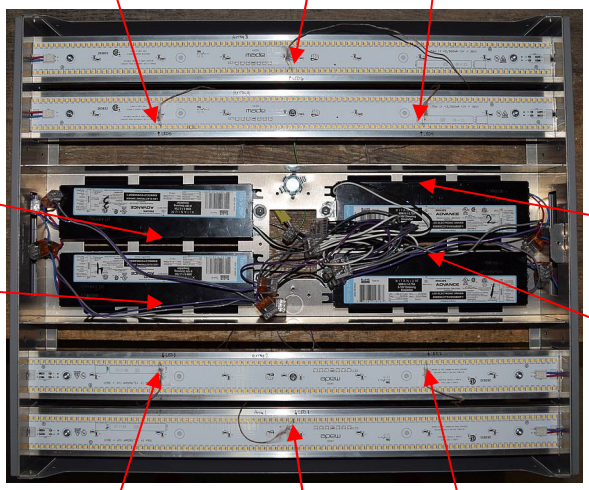
TC#10
Array4
LED #120



TC#11
Array3
LED #144

Typical LED
TC Location



Driver#1
TMP_{ps}-On Side
(Typical)

Bottom View of Fixture