

itl boulder
 THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



INDEPENDENT TESTING LABORATORIES, INC.
 4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL85784

ISSUE DATE: 10/05/15

PAGE: 1 OF 9

PREPARED FOR: LED ROADWAY LIGHTING LTD.

CATALOG NUMBER: NXT 12C 0 X 2ES 7 XX 3 XX X XX 0207B

LUMINAIRE: CAST METAL HOUSING WITH GRAY PAINTED INTERIOR FINISH, MACHINED FLAT SEMI-SPECULAR METAL CIRCUIT BOARD MOUNTING PLATE, 1 WHITE CIRCUIT BOARD WITH 12 LEDS, 1 CLEAR PLASTIC LENS WITH 1 OPTIC PER LED, CLEAR PLASTIC DROP LENS IN CAST GRAY PAINTED METAL DOOR FRAME.

LAMPS: TWELVE WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

INPUT ELECTRICAL: 230.0 VOLTS, 28.3 WATTS, 0.130 AMPS

LED DRIVER: LED ROADWAY LIGHTING LRL65642-LF, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST, CLIENT STATES DRIVER PROGRAMMED FOR 700mA OUTPUT. LRLM-WH91/92-OU1 SURGE PROTECTOR.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (230VAC, 50Hz) TO THE DRIVER AND SURGE PROTECTOR. LED DRIVER AND SURGE PROTECTOR INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET

TOTAL LUMEN OUTPUT: 3104

COLOR TEMPERATURE AS MEASURED IN INTEGRATING SPHERE TEST # ITL85785: 4167K

COLOR RENDERING INDEX AS MEASURED IN INTEGRATING SPHERE TEST # ITL85785: 73

LED DC DRIVE CURRENT (mA): 700 (PROVIDED BY CLIENT)

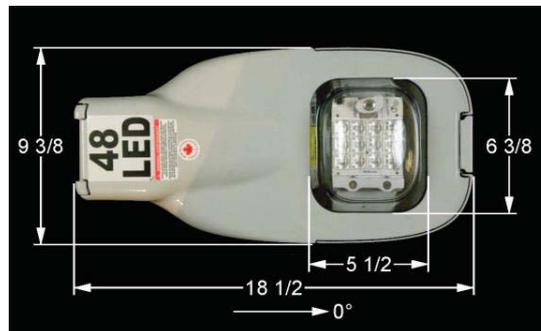
POWER FACTOR: 94.6 %

BUG RATING: B1 U1 G1

LUMINAIRE EFFICACY: 109.7 lm/W

IES CLASSIFICATION: Medium, Type III

**CUTOFF DESIGNATION IS NOT INTENDED TO BE USED WITH ABSOLUTE PHOTOMETRIC TESTS.



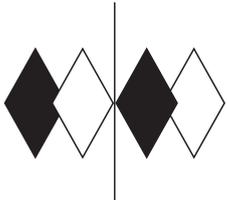
FLUX DISTRIBUTION

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	1034	3	1037
STREET SIDE	2064	4	2068
TOTALS	3098	6	3104

TESTING WAS PERFORMED IN ACCORDANCE WITH IESNA LM-79-08

TEST ANGULAR INCREMENTS AND REPORT FORMATTING WAS BASED ON IESNA LM-31-95

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



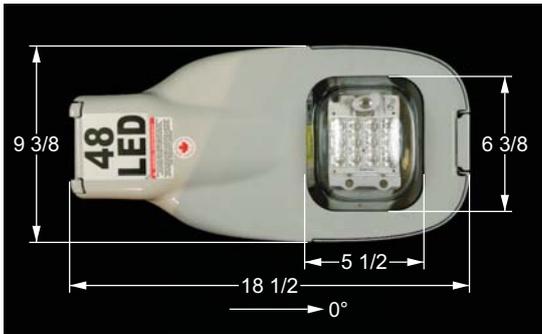
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 30 foot mounting height.



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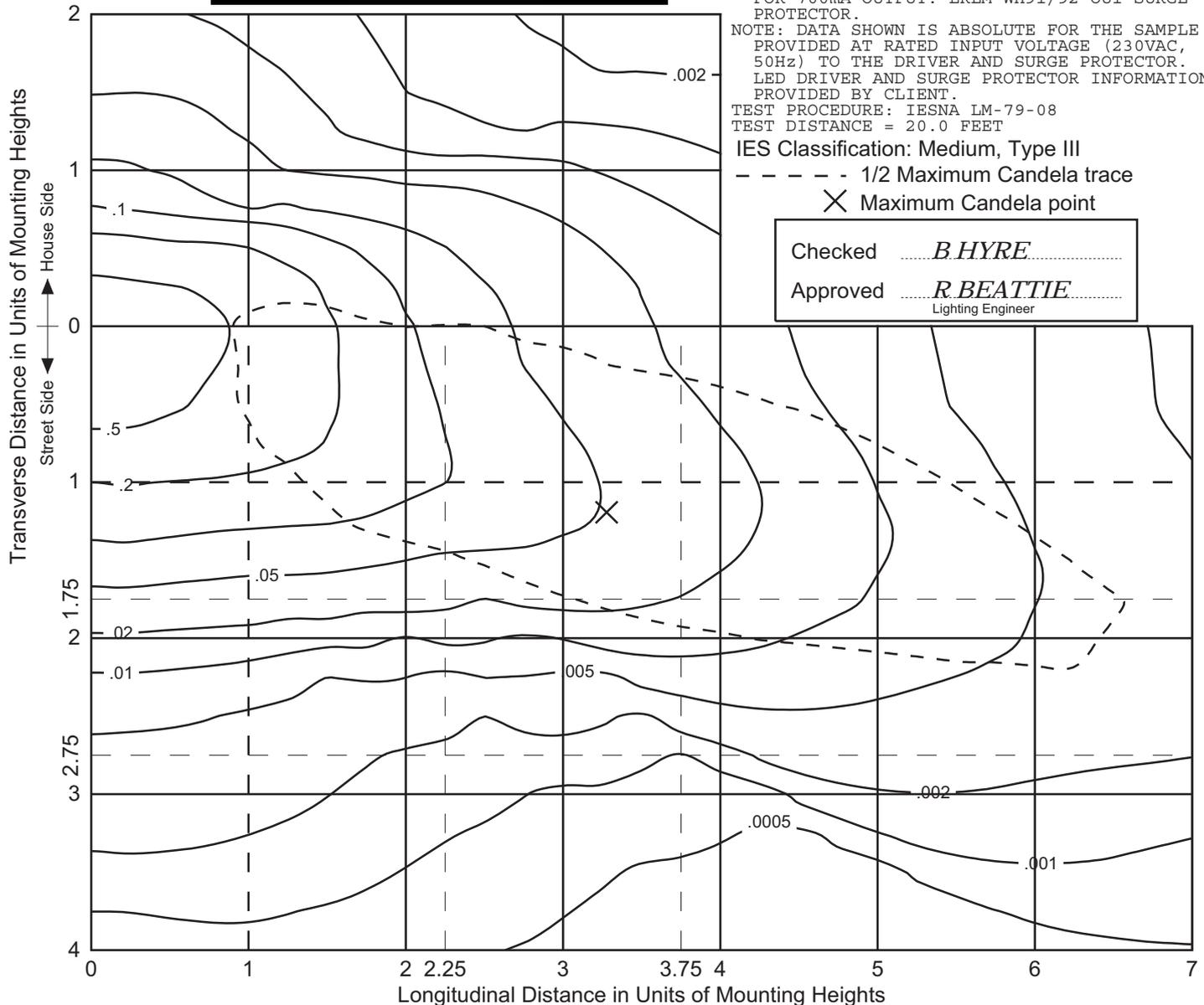
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IES Classification: Medium, Type III

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked *B.HYRE*
Approved *R.BEATTIE*
Lighting Engineer



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