



# LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING  
MEMBER  
of the  
IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 14117

DATE: 10-02-2008

PREPARED FOR: SPECIALTY LIGHTING INDUSTRIES, INC.

CATALOG NUMBER: 1009 LED

LUMINAIRE: FORMED ALUMINUM HOUSING, CLEAR GLASS ENCLOSURE ABOVE  
CAST WHITE ENAMEL ALUMINUM LOWER REFLECTOR.

LAMPS: THREE WHITE LEDS WITH CLEAR PATTERNED LENSES BELOW EACH.

LED POWER SUPPLY: ONE ADVANCE LED120A0024V07FM

MOUNTING: RECESSED

ELECTRICAL VALUES: 120.0VAC, 0.0826A, 9.71W

LUMINAIRE EFFICACY: 23.7 LUMENS/WATT

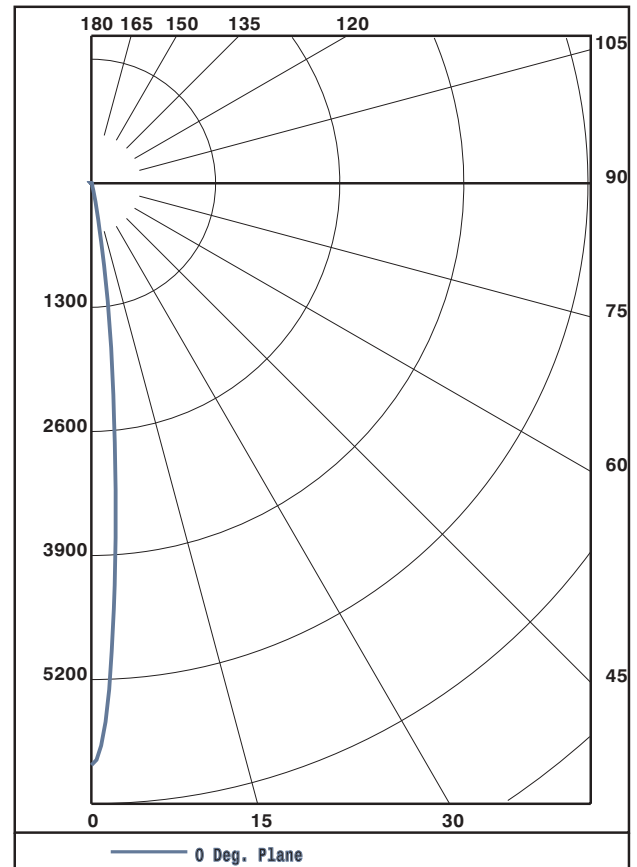
NOTE: THIS TEST WAS PERFORMED USING THE CALIBRATED  
PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.\*  
VERTICAL TEST DATA WAS ACQUIRED IN 1/2 DEGREE  
INCREMENTS.

CANDELA VER ANG	LAT	ZONAL LUMEN SUMS
0	0.0	
5	6097	197
15	2832	29
25	79	4
35	8	1
45	1	0
55	0	0
65	0	0
75	0	0
85	0	0
90	0	0

ZONAL LUMEN	SUMMARY DATA IN MAJOR ZONES
ZONE	LUMENS %FIXT
0-30	230 99.73
0-40	230 100.00
0-60	230 100.00
0-90	230 100.00
90-180	0 0.00
0-180	230 100.00

TOTAL LUMEN OUTPUT: 230  
 CIE CLASSIFICATION TYPE: DIRECT  
 LUMINAIRE SPACING CRITERION: 0.20  
 DIMENSION NORMAL TO 0-DEG PLANE: 3.875"  
 DIMENSION PARALLEL 0-DEG PLANE: 3.875"

LUMINANCE IN VER ANG	CANDELA PER SQUARE METER LATERAL ANGLE	45-DEG	90-DEG
0	0-DEG	629480	629480
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0



Approved By: \_\_\_\_\_

\*DATA WAS ACQUIRED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY. A UDT MODEL #211 PHOTODETECTOR AND UDT MODEL #S370 OPTOMETER COMBINATION WERE USED AS A STANDARD. A SPECTRAL MISMATCH CORRECTION FACTOR WAS EMPLOYED BASED ON THE SPECTRAL RESPONSIVITY OF THE PHOTODETECTOR AND THE SPECTRAL POWER DISTRIBUTION OF THE TEST SUBJECT.

**TESTING WAS PERFORMED IN ACCORDANCE WITH IES LM-79-08.**

TEST ANGULAR INCREMENTS AND REPORT FORMATTING WAS BASED ON IES LM-41-98 AND LM-46-04.



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5 DEGREE CANDELA DISTRIBUTION

VER LATERAL ANGLE

ANG	
0	0.0
5	6097
10	2832
15	500
20	79
25	23
30	8
35	0
40	1
45	0
50	0
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

5 DEG LUMEN VALUES

ZONE	LUMENS
0-5	100
5-10	96
10-15	22
15-20	7
20-25	4
25-30	1
30-35	0
35-40	0
40-45	0
45-50	0
50-55	0
55-60	0
60-65	0
65-70	0
70-75	0
75-80	0
80-85	0
85-90	0

THIS TEST WAS CONDUCTED USING PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IES PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25°C ±1°C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.