



# 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: 13218

DATE: 08-04-2008

PREPARED FOR: EB FLUORESCENT COMPANY, INC.

CATALOG NUMBER: RDI 2X2 2/17

LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, FORMED WHITE ENAMEL PERFORATED STEEL SHIELD WITH TRANSLUCENT WHITE PLASTIC INSERT.

LAMPS: TWO 17 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 1325 LUMENS EACH.

LAMP CATALOG NUMBER: GE F17T8/SP41/ECO

BALLAST: ONE ADVANCE ICN-P232-SC

MOUNTING: RECESSED

TOTAL INPUT WATTS = 30.8 AT 120.0 VOLTS

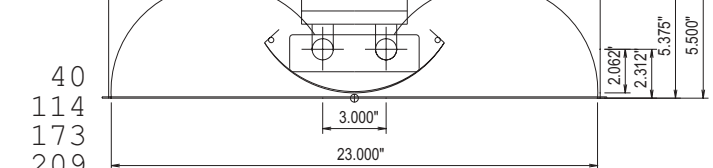
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#13218

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	420	420	420	420	420
5	418	418	418	418	418
15	401	402	404	405	406
25	368	370	375	380	383
35	320	324	334	344	348
45	258	266	281	296	303
55	185	197	220	243	252
65	107	123	155	178	186
75	43	57	79	98	104
85	6	9	15	19	20
90	0	0	0	0	0

### FLUX



### ZONAL LUMEN SUMMARY

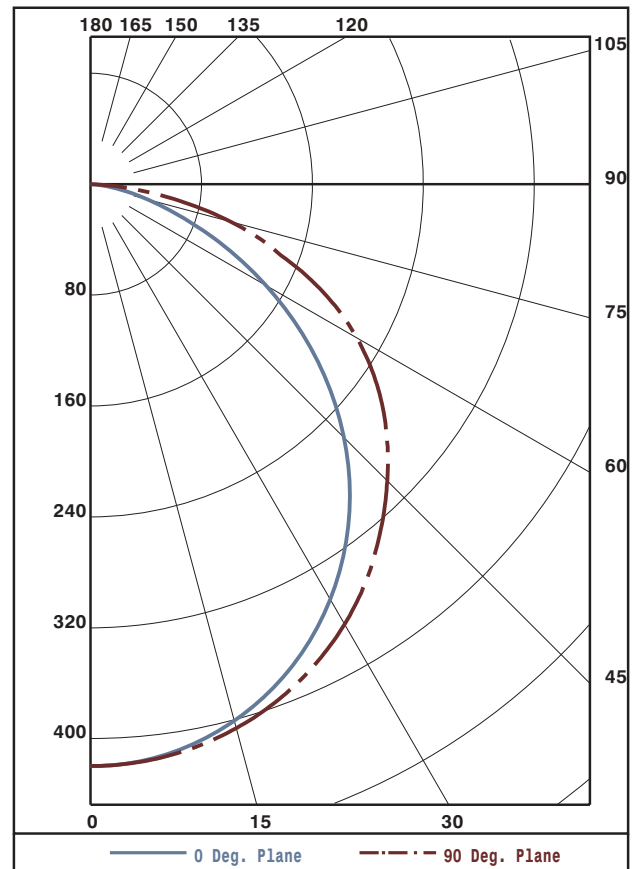
ZONE	LUMENS	%LAMP	%FIXT
0- 30	327	12.3	27.3
0- 40	536	20.2	44.8
0- 60	949	35.8	79.4
0- 90	1196	45.1	100.0
90-180	0	0.0	0.0
0-180	1196	45.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 45.1%  
 TOTAL REFLECTANCE OF PAINT: 78.9%  
 CIE TYPE: DIRECT

PLANE: 0-DEG 90-DEG  
 SPACING CRITERIA: 1.2 1.3  
 LUMINOUS LENGTH: 23.125 23.125

### LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	1217.	1217.	1217.
45	1057.	1152.	1242.
55	935.	1112.	1273.
65	734.	1063.	1276.
75	482.	885.	1165.
85	200.	499.	665.



Approved By: MG



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with 19 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows of utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns showing candela values for various angles from 0 to 90 degrees.

ZONAL LUMEN SUMMARY

Table with 3 columns showing zonal lumen values for various angle ranges from 0-5 to 85-90 degrees.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA 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) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) 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.