



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: 13220
PREPARED FOR: EB FLUORESCENT COMPANY, INC.
CATALOG NUMBER: RDI 2X4 3/32
LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, FORMED WHITE ENAMEL PERFORATED STEEL SHIELD WITH TRANSLUCENT WHITE PLASTIC INSERT.
LAMPS: THREE 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS EACH.
LAMP CATALOG NUMBER: PHILIPS F32T8/TL841/ALTO
BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B332IUNVHP-A
MOUNTING: RECESSED

DATE: 08-04-2008

TOTAL INPUT WATTS = 80.4 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

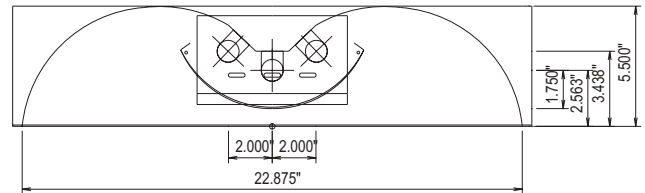
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1515	1515	1515	1515	1515
5	1508	1508	1508	1510	1510
15	1443	1447	1458	1470	1476
25	1320	1332	1363	1395	1409
35	1146	1172	1230	1284	1306
45	931	976	1063	1136	1165
55	681	754	865	943	966
65	416	515	618	609	589
75	193	270	274	295	300
85	35	43	49	50	50
90	0	0	0	0	0

FLUX

144
412
629
769
815
755
558
286
58

#13220



ZONAL LUMEN SUMMARY

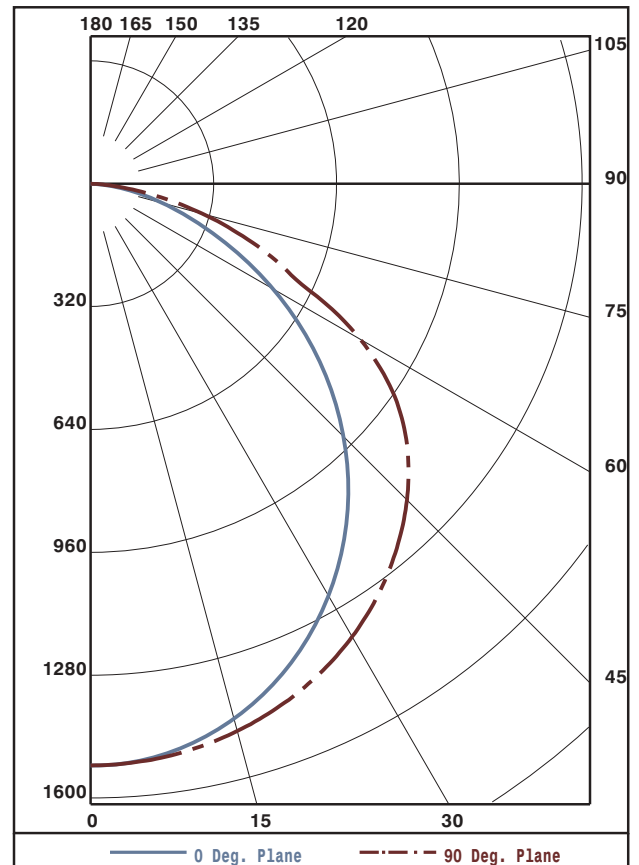
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1185	13.9	26.8
0- 40	1954	22.9	44.2
0- 60	3525	41.2	79.6
0- 90	4427	51.8	100.0
90-180	0	0.0	0.0
0-180	4427	51.8	100.0

TOTAL LUMINAIRE EFFICIENCY: 51.8%
TOTAL REFLECTANCE OF PAINT: 85.0%
CIE TYPE: DIRECT

PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.2 1.3
LUMINOUS LENGTH: 47.000 23.000

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	2172.	2172.	2172.
45	1888.	2155.	2362.
55	1702.	2162.	2415.
65	1411.	2097.	1998.
75	1069.	1518.	1662.
85	576.	806.	823.



Approved By: MG

THIS REPORT BASED ON LM-41 AND OTHER PERTINENT IESNA PROCEDURES.



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

Table with 18 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows of utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns of candela values for various heights from 0 to 90.

ZONAL LUMEN SUMMARY

Table with 3 columns of zonal lumen values for various height ranges from 0-5 to 85-90.

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.