



**LITHONIA
LIGHTING**

An Acuity Brands Company

**LIGHTING
TECHNOLOGY**

lighting.tech@lithonia.com

One Lithonia Way

Conyers, GA 30012

P: (800) 279-8043

F: (770) 929-3625

Typical Classroom layout
 2RT5B 28T5
 Instruction / Daylighting
 Front 100% / 50% Main

Designer
Jim Eads, LC

Date
Mar 16, 2009

Scale
N.T.S.

Drawing No.
99903608D15

1 of 3

Daylighting Model is based on upon the following:

Location: Washington DC

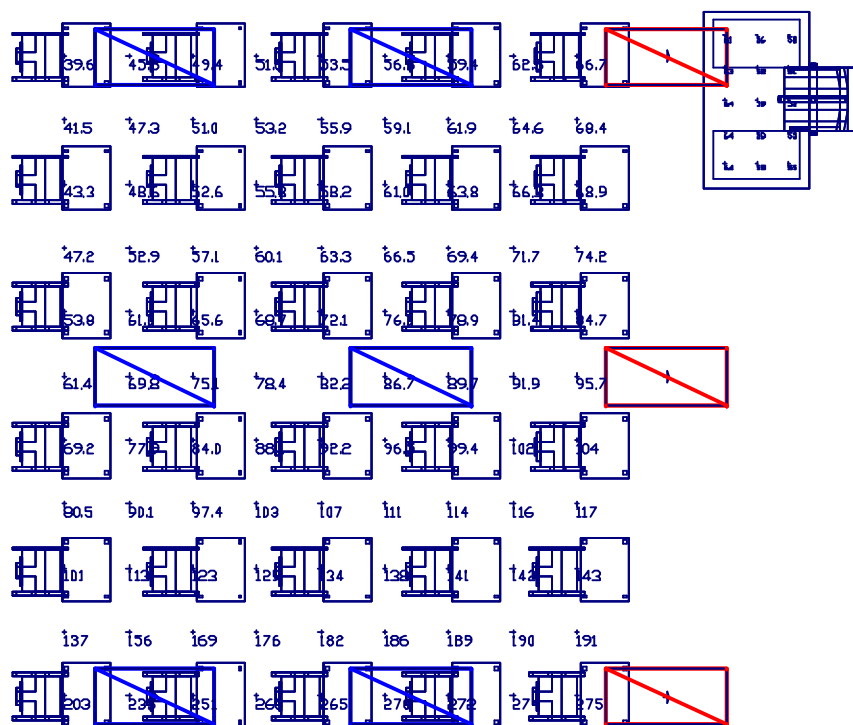
Date: Sept 21

Time: 12:00 pm

Sky: Overcast

NOTES

1. Room size is 30 x 30
2. Reflectances are 80/50/20
3. Horizontal task planes are 2.5' AFF.
4. Daylighting results will vary based on location, sky condition and time of day.



Calculation Summary

Label	CalcType	Avg	Max	Min	Avg/Min	Max/Min
Student Desk Levels	Illuminance	103.36	275	39.6	2.61	6.93
3-Side Wall	Illuminance	24.93	36.6	13.5	1.85	2.71
5-Back Wall	Illuminance	63.13	170	26.0	2.43	6.53
Desk (Pedestal)_Teacher Desk	Illuminance	57.87	64	50	1.16	1.28
Whiteboard Summary_Planar	Illuminance	59.25	80	45	1.32	1.78

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens
	A	3	2RT5B 28T5	RT5B, Volumetric Lighting, 2 X 4, 2 Lamp, F28T5, Internal High Performance Alanod Reflector	TWO 28-WATT LINER FLUORESCENT T5 PREMIUM, HORIZONTAL POS.	2RT5B_28T5.ie s	3100
	B	6	2RT5B 28T5	RT5B, Volumetric Lighting, 2 X 4, 2 Lamp, F28T5, Internal High Performance Alanod Reflector	TWO 28-WATT LINER FLUORESCENT T5 PREMIUM, HORIZONTAL POS.	2RT5B_28T5.ie s	3100



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See plan view

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