

# STATISTICAL ACOUSTICS - Cafeteria

Model: S:\2007\2007225-DOL IJCC\Drawings\Ecotect\Daylighting\5-Cafeteria\5-Dining 102 - 100308.eco

Volume: 50740.54 ft<sup>3</sup>

Surface Area: 278829.72 ft<sup>2</sup>

Occupancy: 120 (160 x 75%)

Optimum RT (500Hz - Speech): 0.85 s

Optimum RT (500Hz - Music): 1.47 s

Volume per Seat: 317.13 ft<sup>3</sup>

Minimum (Speech): 164.27 ft<sup>3</sup>

Minimum (Music): 305.12 ft<sup>3</sup>

Most Suitable: Norris-Eyring (Highly absorbant)

Selected: Norris-Eyring (Highly absorbant)

<b>FREQ.</b>	<b>TOTAL ABSPT.</b>	<b>SABINE RT(60)</b>	<b>NOR-ER RT(60)</b>	<b>MIL-SE RT(60)</b>
63Hz:	25136.098	0.01	0.03	1.61
125Hz:	25024.932	0.01	0.03	0.01
250Hz:	24982.197	0.01	0.04	0.01
500Hz:	24910.854	0.01	0.04	0.01
1kHz:	24732.641	0.01	0.04	0.01
2kHz:	24502.67	0.01	0.04	0.02
4kHz:	24169.49	0.01	0.04	0.02
8kHz:	23478.969	0.01	0.05	0.03
16kHz:	22571.662	0.01	0.06	0.04