Vectorworks Educational Version

<u>Equations</u>	EXAMPLE OF EXCEL C	CALCULATION				
Lumen Method Average fc Calc		Office				
Number of Lamp s X Output Lumens X LLF X CU / Total Area of the Room	Number of Lamps	2				
	Output Lumens	4800				
Room Cavity Ratio	LLF (average of fixture type)	0.9				
5 (H) (L+W) / L X W = RCR	CU (Manufacture Spec.) Total Area	0.5 144				
	=	Solved (answer is in footcandles) B8*B9*B10*B11/B12				
Variables by Space			ce (General Wash)	Workspace (Table)	Conference Room (General Wash)	Conference Room (Table)
Number of Lamps	2		16	1	8	1
Output Lumens	4800		2000	1384	1978	1348
LLF (average of fixture type)	0.9		0.9	0.9	0.9	0.9
CU (Manufacture Spec. based on RCR)	0.5		0.9	6	0.5	1
Total Area	144		1000	60	299	48
	Solved (answer is in f	footcandles) Solved (ansv	ver is in footcandles)	Solved (answer is in footcandles)	Solved (answer is in footcandles)	Solved (answer is in footcandles)
Answer	30		25.92	124.56	23.81538462	25.275

Commercial Design Project				
Drawing Tit	le:	Plate#		
	Illumination Calculations	4		
Designer:		of		
	Baxter Carlisle Chambers	4		
Date:		Scale:		
	11/20/2020	NTS		
Revision Date:		- NIS		
	12/4/2020			

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