



SPACE BY SPACE LIGHTING CALCULATIONS

SPACE	ASHRAE Allowable lighting power density (W/SF)	Decorative lighting power allowance	Space area (sq ft)	ASHRAE Allowable lighting power (W)	Fixture Type	Quantity	Fixture Power (W)	Installed fixture power (W)	Installed power for this space (W)	
Space ID 1	1.5	1.0								
					Recessed Can Lights	5.0	28.0	140.0		
					Desk Lamp	6.0	28.0	168.0		
					Overhead T5	55.0	45.0	2,475.0		
					Some cool light fixture	7.0	14.0	98.0		
					Desk Lamp	8.0	28.0	224.0		
					wall mounted torchieres	6.0	86.0	516.0		
					CU-1	4.0	45.0	180.0		
					CU-2	4.0	45.0	180.0		
					CO	15.0	47.0	705.0		
TOTAL	2.5		3,587.0	8,967.5				4,686.0	4,686.0	4,281.5
Space ID 2	1.1	1.0			CR	12.0	45.0	540.0		
					CF	3.0	28.0			
total	2.1		397.0	833.7				540.0	540.0	293.7
Space ID 3					CO	7.0	47.0	329.0		
					CR	4.0	45.0	180.0		
					CJ	2.0	66.0	132.0		
total	1.3		768.0	998.4				641.0	641.0	357.4
Space ID 4					CN	1.0	47.0	47.0		
					CO	2.0	47.0	94.0		
total	0.8		150.0	120.0				141.0	141.0	-21.0
Space ID 5					CR-1	3.0	45.0	135.0		
					CP	3.0	28.0	84.0		
total	0.9		220.0	198.0				219.0	219.0	-21.0
GRAND TOTAL			5,122.0	11,117.6				6,227.0		4,890.6

Reduction In Lighting Power As Compared To Ashrae 90.1 2007 Allowance (Watts)

4890.60

Percentage Reduction In Lighting Power As Compared To Ashrae 90.1 2007 Allowance

43.99%

% Required	Point Achieved?
15%	1
20%	1
25%	1
30%	1
35%	1
40%	1
TOTAL points achieved	6