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Room Estimator - Layout 1

Luminaire

IES Filename: SunLuminaire (Electric) - March 2014

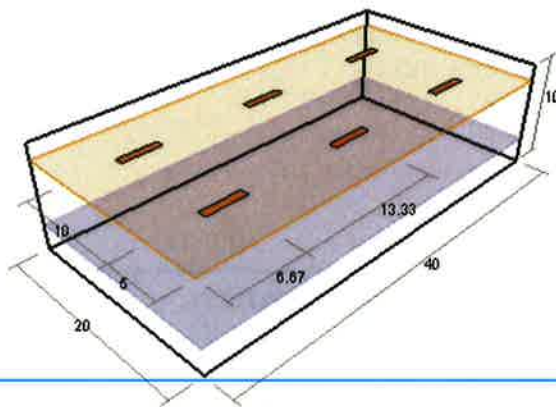
Description: SC001

Lumens Per Lamp:	N.A.	lms
Number of Lamps:	88	
Luminaire Lumens:	2909	lms
Luminaire Efficiency:	N.A.	%
Luminaire Watts:	38	W

Total Light Loss Factor (LLF): 1.000

Room Dimensions

Length (X):	40	ft
Width (Y):	20	ft
Height (Z):	10	ft
Workplane Height:	2.5	ft
Suspension Length:	1.5	ft
Room Cavity Ratio (RCR):	2.250	



Room Reflectance

Ceiling:	0.80
Walls:	0.50
Floor:	0.20

Effective Ceiling Cavity: 0.718

Effective Floor Cavity: 0.192

Coefficient of Utilization (CU): 0.843

Results

Estimated Average Illuminance: 18 fc

Number of Luminaires: 6

Lighting Power Density (LPD): 0.286 W/ft²

Layout

	Rows (Width, Y)	Columns (Length, X)	
Grid Layout (Size):	2	3	luminaires
Grid Spacing:	10	13.33	ft
Wall (Start) Spacing:	5	6.67	ft
Ceiling Grid Spacing:	N.A.	N.A.	ft
Spacing Criteria:	1.1	1.02	ft

