

Electric Vehicle Production Line

Reflective Values Used:

Ceiling= 0.80

Walls= 0.0 (open bay area)

Floor=: 0.30

LLF = 0.85

Note on this Design:

This report makes no representations in regard to Lighting Design or Specification, rather attempts to accurately reflect the photometric results of a design by others.

Note on these Photometric Calculations:

This analysis is a mathematical model and can be only as accurate as is permitted by the third party software and the IES standards used. All digital CAD data appear to be extremely accurate, however, this apparent accuracy is an artifact of the techniques used to generate it, and is in no way intended to imply accuracy in the real world. There are many factors that will impact the actual performance of Lighting in the constructed space, including: the accuracy of the original source (.ies) files supplied by the manufacturer, input voltage ballast variances, actual finish values in the constructed environment, manufacturing variations in both the source (lamp) and the luminaire, final luminaire placement, obstructions, and installation quality. Further, field measurement itself is subject to errors arising from measuring methods and/or technology selected, and the knowledge/ability of the measuring party.

Date: 01 / 28 / 2021

Operator: MEW



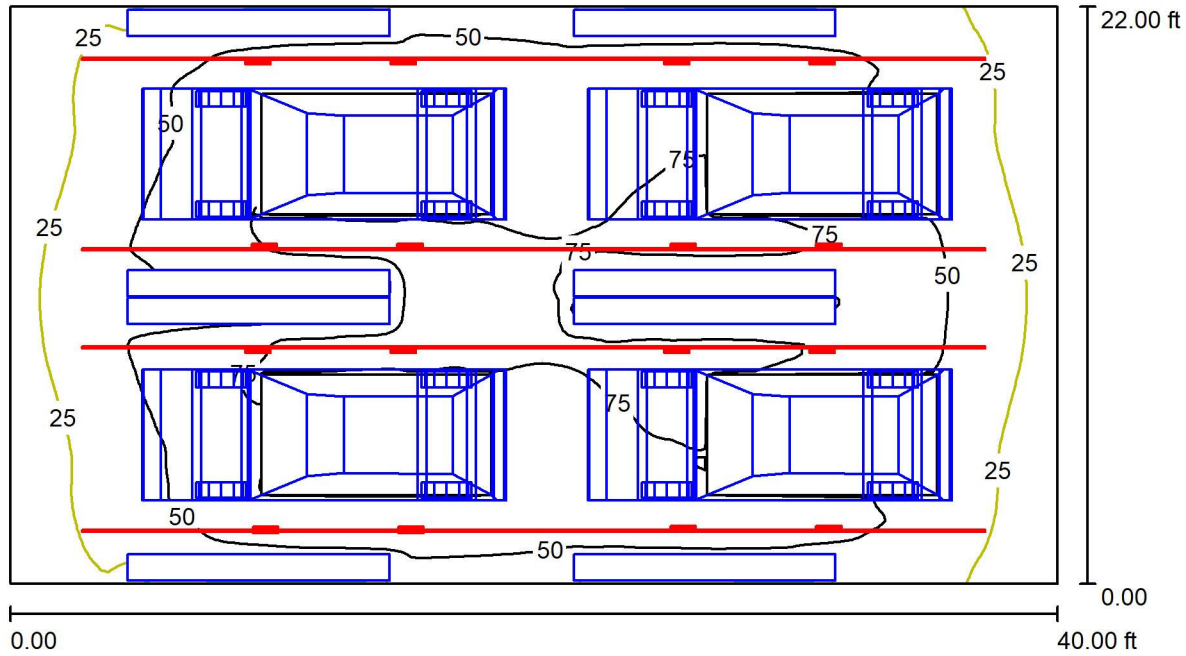
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Assembly Line - Final / Summary



Height of Room: 9.000 ft, Mounting Height: 9.000 ft, Light loss factor: 0.85 Values in Footcandles, Scale 1:88

Surface	ρ [%]	E_{av} [fc]	E_{min} [fc]	E_{max} [fc]	u_0
Workplane	/	51	5.75	83	0.113
Floor	30	23	2.16	56	0.092
Ceiling	80	8.57	2.48	14	0.290
Walls (4)	0	17	1.23	42	/

Workplane:

Height: 4.000 ft
 Grid: 128 x 128 Points
 Boundary Zone: 0.000 ft

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.421, Ceiling / Working Plane: 0.168.

Luminaire Parts List

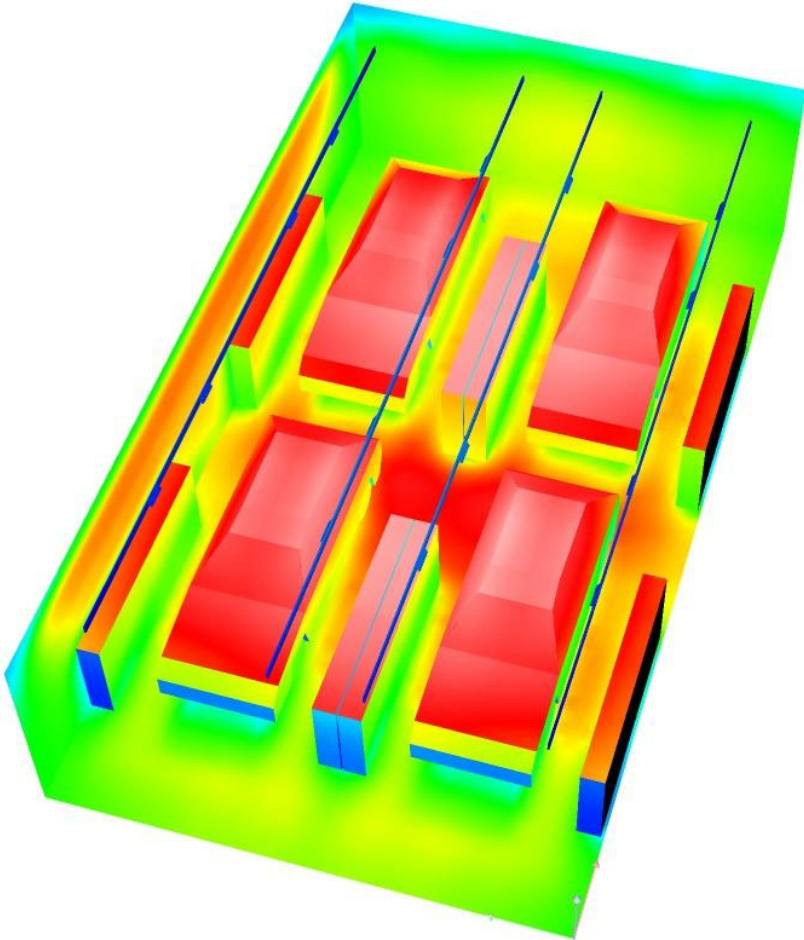
No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	144	EcoSense Lighting L35-I-12-04-50-80-MULT-120 Gray aluminum housing, white plastic reflector clear plastic lens enclosure (1.000)	359	359	4.0
2	16	EcoSense Lighting L50-I-12-12-50-80-MULT- 40x90 Gray aluminum housing, white plastic reflector clear plastic lens enclosure (1.000)	884	884	12.0
			Total: 65783	Total: 65783	768.0

Specific connected load: 0.87 W/sq ft = 0.17 W/sq ft/10 fc (Ground area: 880.02 sq ft)



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Assembly Line - Final / False Color Rendering



0 0.50 1.00 3.00 5.00 10.00 25.00 50.00 100.00

fc