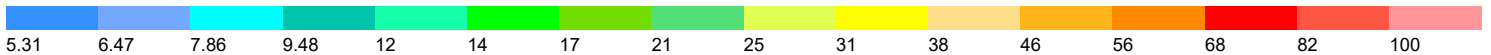


50' x 100' Indoor Riding Arena
25' MH - 8 SYMO 212s
30.5fc - 1.63 Max/Min



This photometric report will be generated using methods recommended by the Illuminating Engineering Society of North America (IESNA). The calculations in this report will be based on data provided by a third party. The accuracy of this photometric report is dependent on the accuracy of the data provided. Enduser environment and application (including, but not limited to voltage variation and dirt accumulation) can cause actual photometric performance to differ from the performance calculated using the data provided. This report will be provided without warranty as to accuracy, completeness, reliability, or otherwise. In no event will Access Fixtures be responsible for any loss resulting from any use of this report.

Content

50' x 100' Indoor Riding Arena

Luminaire list..... 3

Site 1

Building 1

Storey 1

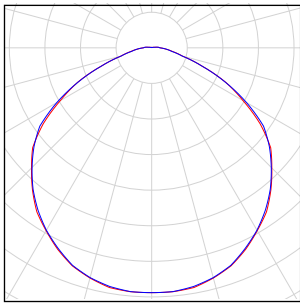
Manufacturing Facility

Summary..... 4

Luminaire layout plan..... 5

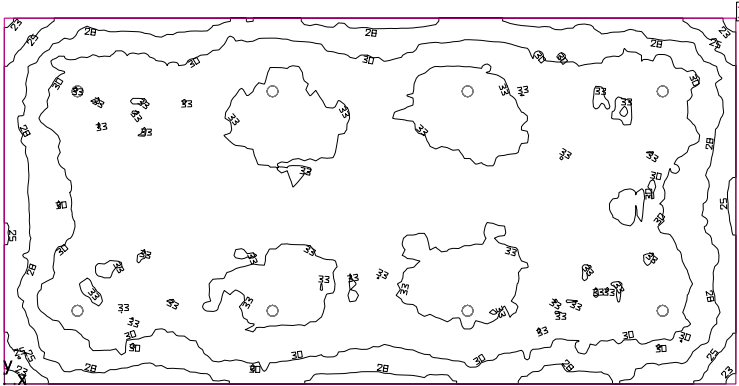
Workplane (Manufacturing Facility) / Perpendicular illuminance (adaptive)..... 6

50' x 100' Indoor Riding Arena

Quantity	Luminaire (Luminous emittance)		
8	Access Fixtures - SYMO 212 AF55XLED-8500 L432 215W 5000K High-bay Luminaire with Refractor Lens Luminous emittance 1 Fitting: 1xLED Light output ratio: 99.89% Lamp luminous flux: 27679 lm Luminaire luminous flux: 27648 lm Power: 212.8 W Luminous efficacy: 129.9 lm/W Colorimetric data 1x: CCT 3000 K, CRI 100	<p>See our luminaire catalog for an image of the luminaire.</p>	

Total lamp luminous flux: 221432 lm, Total luminaire luminous flux: 221184 lm, Total Load: 1702.4 W, Luminous efficacy: 129.9 lm/W

Indoor Riding Arena



Clearance height: 25.000 ft, Reflection factors: Ceiling 75.0%, Walls 75.0%, Floor 20.0%, Light loss factor: 0.80

Workplane

Surface	Result	Average	Min	Max	Mean/Min	Max/Min
1 Workplane (Manufacturing Facility)	Perpendicular illuminance (adaptive) [fc] Height: 0.000 ft, Wall zone: 0.000 ft	30.5	20.9	34.1	1.46	1.63

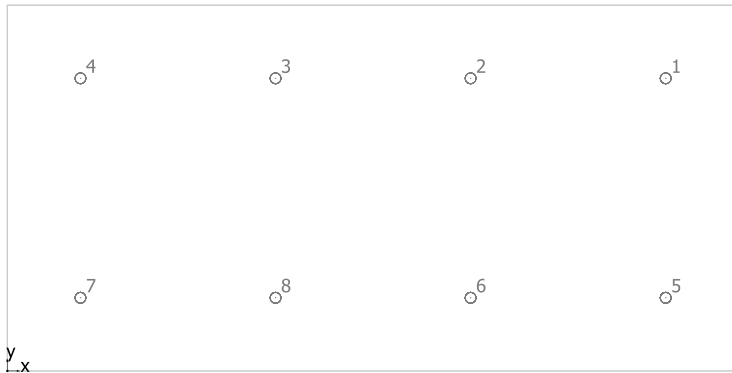
# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
8 Access Fixtures - SYMO 212 AF55XLED-8500 L432 215W 5000K High-bay Luminaire with Refractor Lens	27648	212.8	129.9
Total via all luminaires	221184	1702.4	129.9

Lighting power density: 0.34 W/sq ft = 0.10 W/sq ft/10 fc (Floor area of room 5000.12 sq ft)

Consumption: 4700 kWh/a of maximum 16300 kWh/a

The energy consumption quantities do not take into account light scenes and their dimming levels.

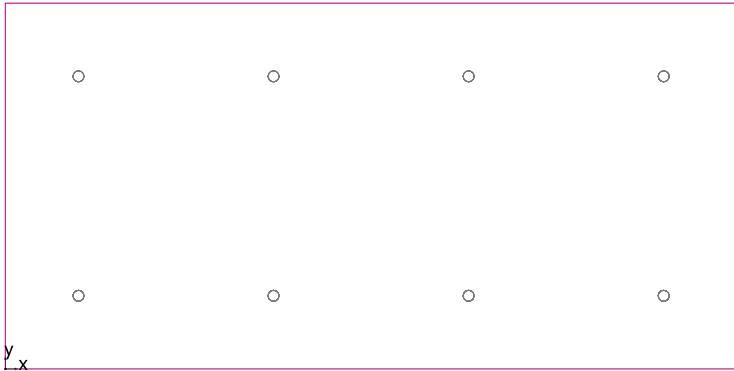
Indoor Riding Arena



Access Fixtures SYMO 212 AF55XLED-8500 L432 215W 5000K High-bay Luminaire with Refractor Lens

No.	X [ft]	Y [ft]	Mounting height [ft]	Housing rotation [°]	Light loss factor
1	90.000	40.000	25.000	180.0	0.80
2	63.333	40.000	25.000	180.0	0.80
3	36.667	40.000	25.000	180.0	0.80
4	10.000	40.000	25.000	180.0	0.80
5	90.000	10.000	25.000	180.0	0.80
6	63.333	10.000	25.000	180.0	0.80
7	10.000	10.000	25.000	180.0	0.80
8	36.667	10.000	25.000	180.0	0.80

Workplane (Indoor Riding Arena) / Perpendicular illuminance (adaptive)



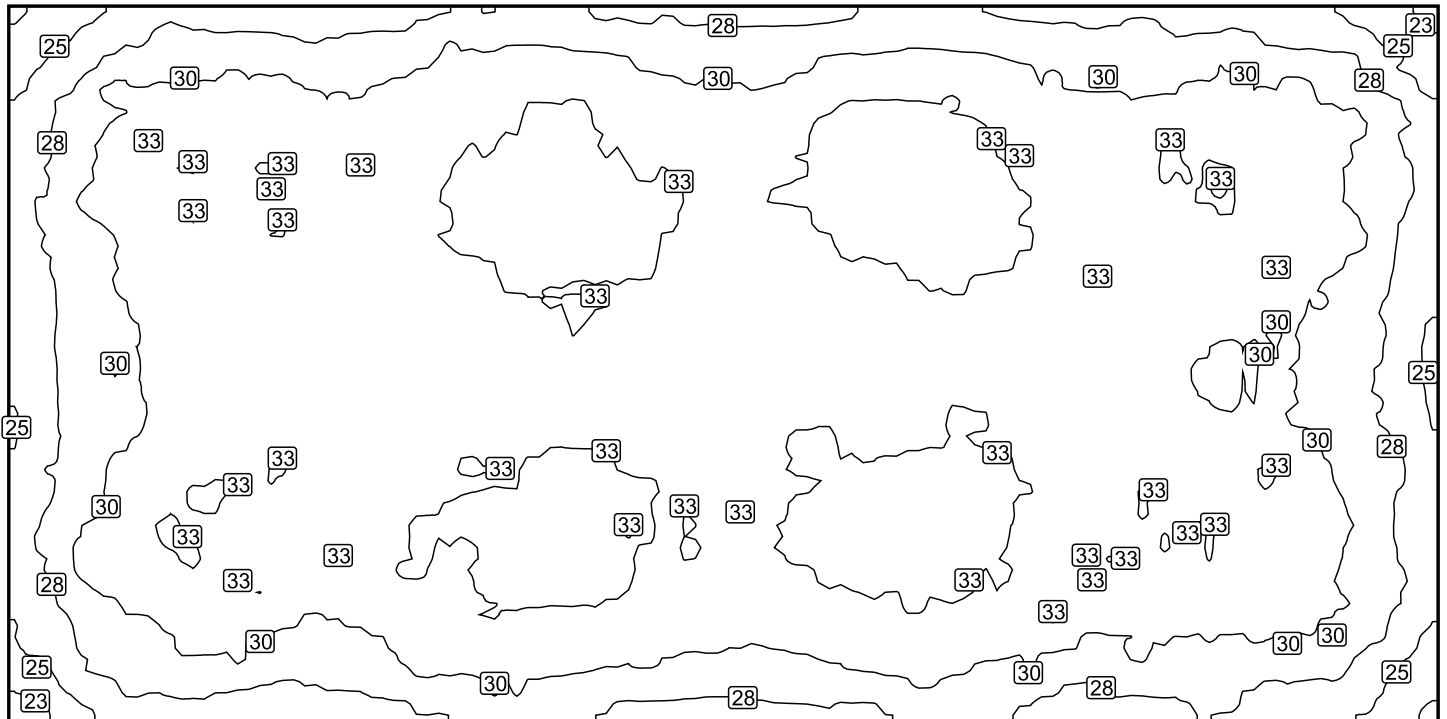
Workplane (Indoor Riding Arena): Perpendicular illuminance (adaptive) (Surface)

Light scene: Light scene 1

Average: 30.5 fc, Min: 20.9 fc, Max: 34.1 fc, Mean/Min: 1.46, Max/Min: 1.63

Height: 0.000 ft, Wall zone: 0.000 ft

Isolines [fc]



Scale: 1 : 161

False colors [fc]



Scale: 1 : 161

Value grid [fc]

(24)	+26	+29	+28	+27	+28	+29	+29	+30	+29	+28	+28	+29	+29	+29	+28	+28	+28	+28	+27	+26	(24)
+27	+30	+31	+30	+31	+30	+31	+32	+32	+32	+31	+31	+32	+33	+33	+31	+31	+30	+31	+31	+30	+27
+27	+31	+32	+32	+32	+32	+32	+33	+33	+33	+32	+32	+33	(34)	+33	+32	+31	+31	+33	+31	+30	+28
+27	+30	+31	+32	+32	+32	+32	+33	+33	+33	+32	+32	+32	+33	(34)	+33	+32	+31	+32	+31	+31	+27
+27	+29	+32	+31	+31	+31	+32	+32	+33	+32	+31	+31	+31	+32	+32	+32	+31	+31	+31	+31	+29	+26
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+26	+29	+31	+31	+31	+31	+32	+32	+32	+32	+31	+31	+33	+32	+33	+32	+31	+31	+30	+30	+30	+26
+27	+30	+32	+32	+32	+32	+32	+33	+33	+33	+32	+32	+33	(34)	+33	+33	+31	+33	+32	+32	+30	+27
+27	+32	+32	+31	+32	+31	+33	+33	(34)	+33	+33	+32	+33	+33	+33	+32	+32	+32	+33	+32	+30	+27
+27	+30	+31	+31	+30	+30	+32	+32	+32	+32	+31	+31	+31	+32	+32	+31	+31	+31	+31	+30	+29	+26
(24)	+27	+28	+28	+27	+28	+29	+30	+29	+28	+28	+28	+29	+29	+29	+29	+27	+28	+29	+27	+27	(24)

Scale: 1 : 161