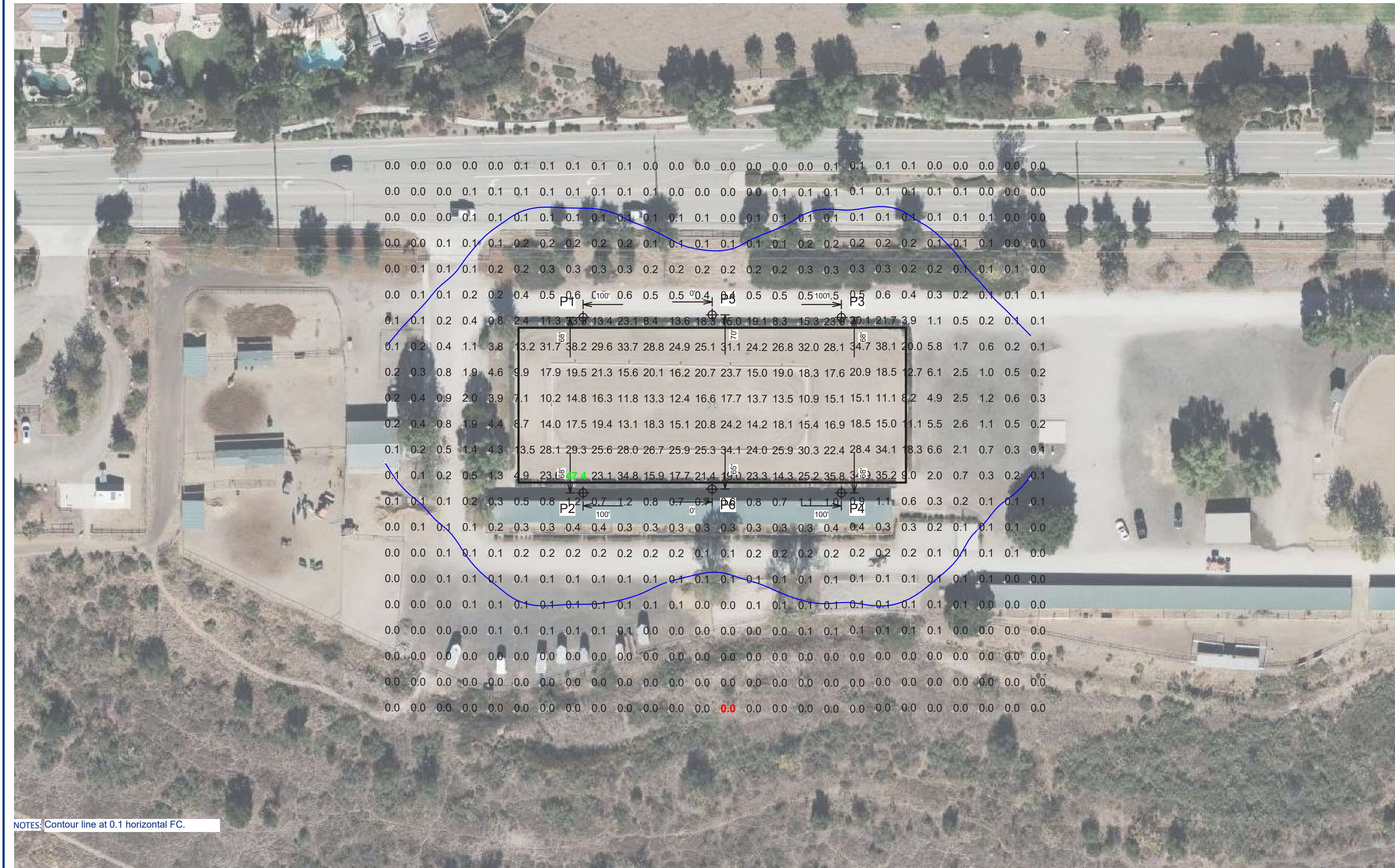


EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
4	P1-P4	30'	-	30'	TLC-LED-400	1	1	0	
				30'	TLC-LED-600	2	2	0	
2	P5-P6	30'	-	30'	TLC-LED-400	3	3	0	
6						18	18	0	



NOTES: Contour line at 0.1 horizontal FC.

SCALE IN FEET 1 : 80
0' 80' 160'

ENGINEERED DESIGN By: C.Hensley · File #201822G

Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ✕

Rancho Potrero Community Equestrian Center Thousand Oaks, CA

GRID SUMMARY	
Name:	Arena 1 Blanket Grid
Size:	300' x 120'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	4.23
Maximum:	47
Minimum:	0
Avg / Min:	334.47
Max / Min:	3754.23
UG (adjacent pts):	59.65
CU:	1.00
No. of Points:	572

LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	18
Total Load:	8.64 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

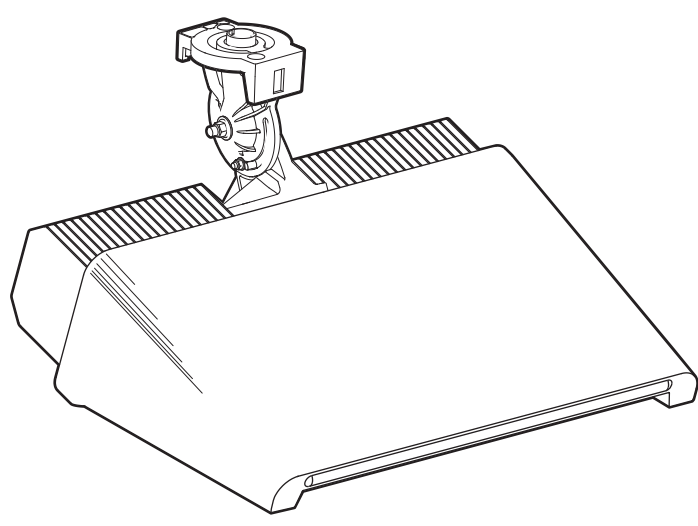
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2021 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

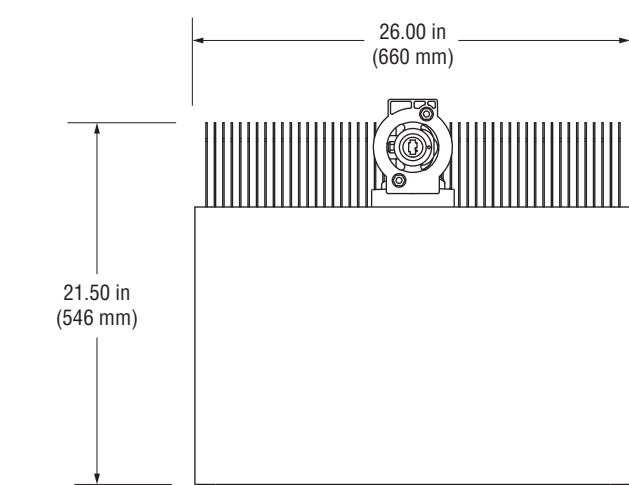
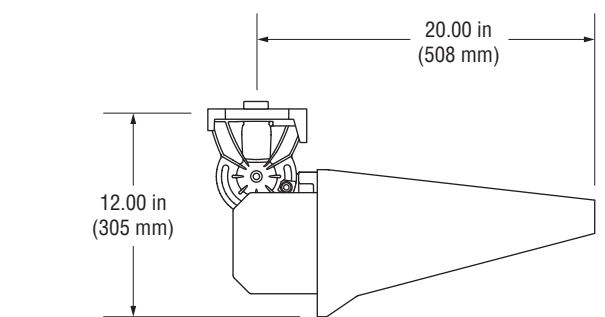
Datasheet: TLC-LED-600 Luminaire and Driver



Luminaire Data	
Weight (luminaire)	40 lb (18 kg)
UL listing number	E338094
UL listed for USA / Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection, luminaire	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating, luminaire	50°C (122°F)

Photometric Characteristics	
Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens	65,600
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:
1) Incorporates appropriate dirt depreciation factor for life of luminaire.



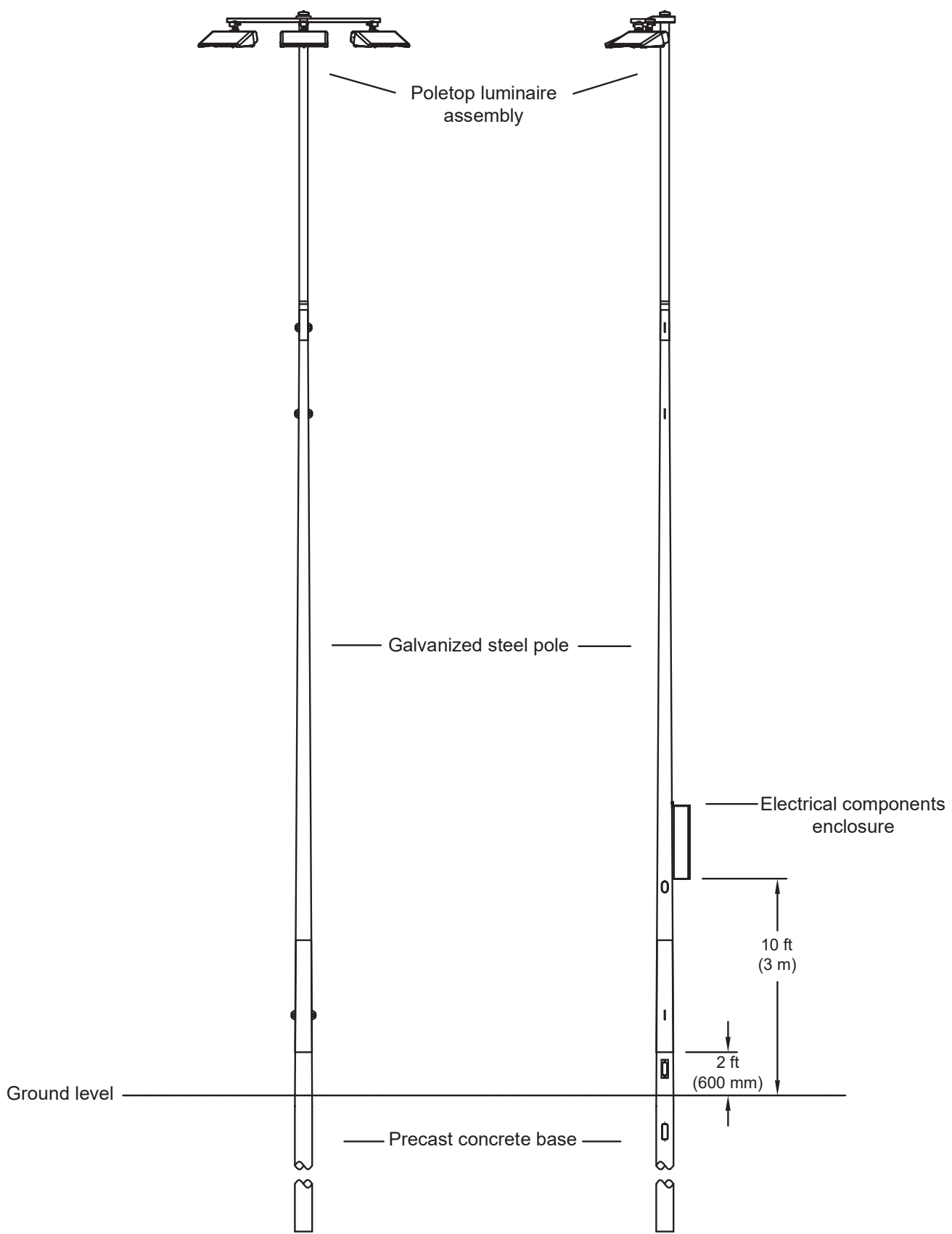
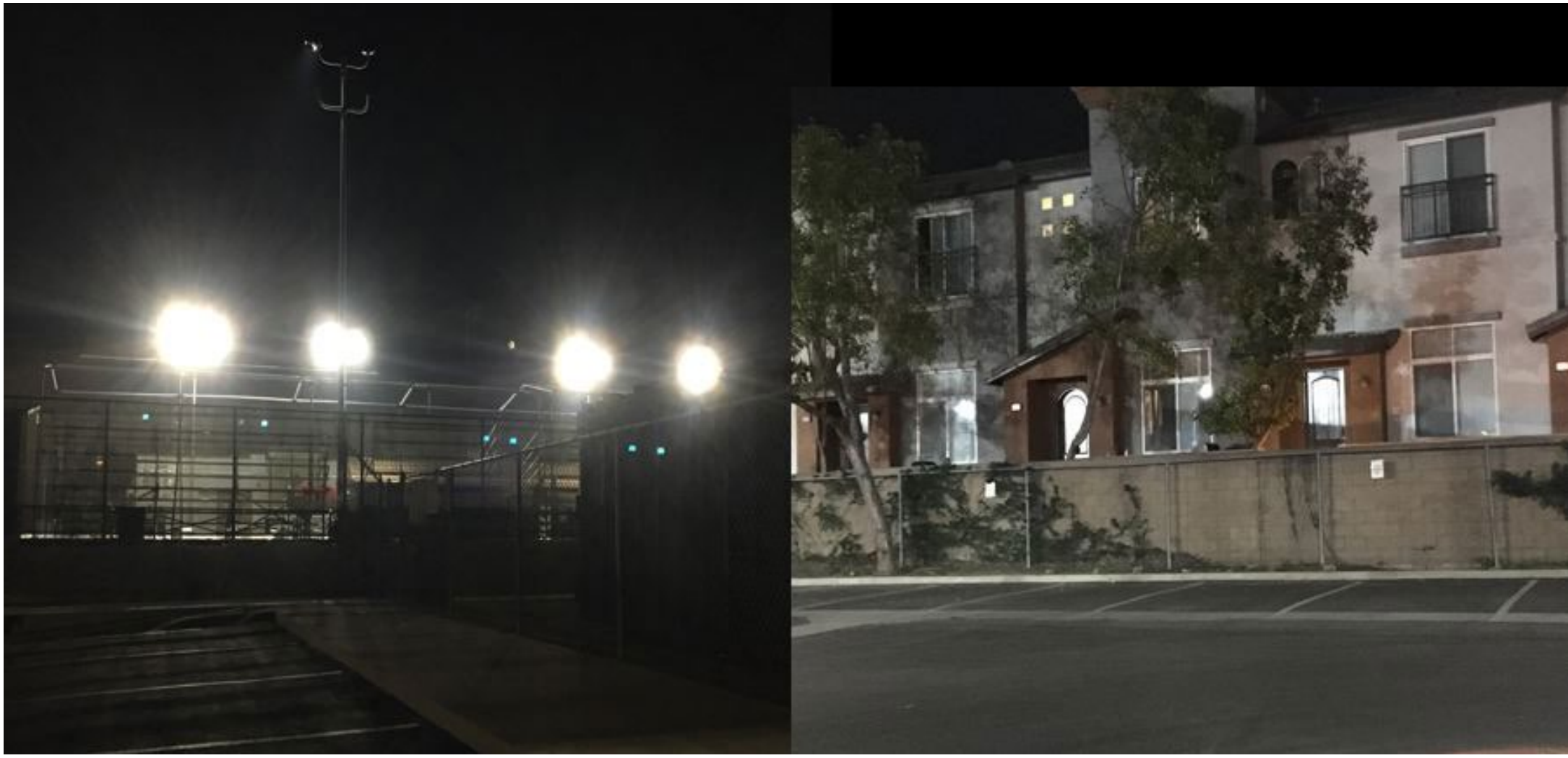
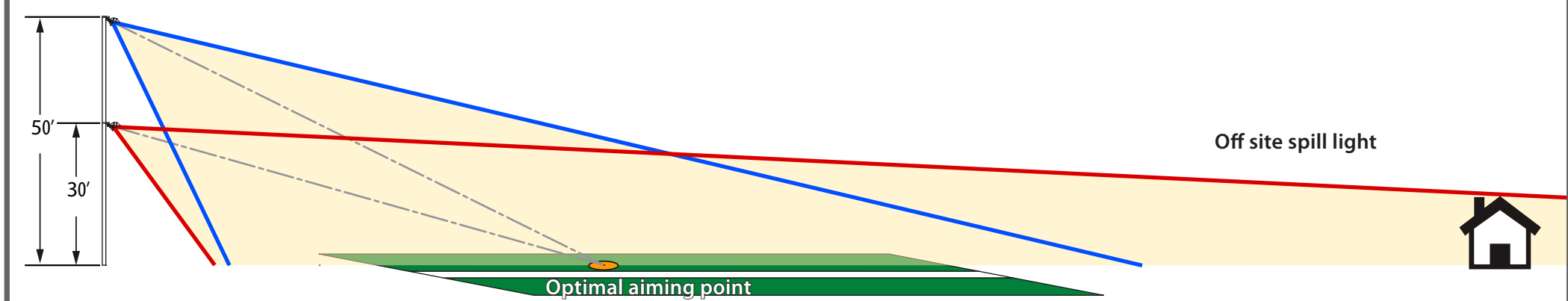
musco
U.S. and foreign patents issued and pending. ©2016, 2020 Musco Sports Lighting, LLC. TLC-LED-600 1700K 75 CRI. M-2016-00046
www.musco.com · lighting@musco.com

1

What Matters in Lighting Technology

Aiming

Pole height impacts aiming angles and the amount of spill light



POLE(S): P1, P2, P3, P4

Musco 50FT Light-Structure System™ pole
TLC for LED™ luminaires
TLC-LED-400 (1)
TLC-LED-600 (2)

