

Pole / Fixture Summary

Pole ID	Pole Height	Fixture Qty	Lamp Type	Switching
A1	70.00	6	1500W MZ	A
A2	70.00	6	1500W MZ	A
B1	80.00	11	1500W MZ	A
B2	80.00	11	1500W MZ	A
C1	70.00	6	1500W MZ	A
C2	70.00	6	1500W MZ	A
6		46		

Calculation Grid Summary

Grid Name	Calculation Metric	Light Level				Uniformity		Groups	Fixture Qty
		Type	Ave	Min	Max	Max/Min	Ave/Min		
Baseball-1 (Infield)	Horizontal Illuminance	Constant	51.3	45	55	1.22	1.20	A	46
Baseball-1 (Outfield)	Horizontal Illuminance	Constant	30.6	22	49	2.22	1.40	A	46
Foul Territory	Horizontal	Constant	33.8	19	53	2.81	1.80	A	46

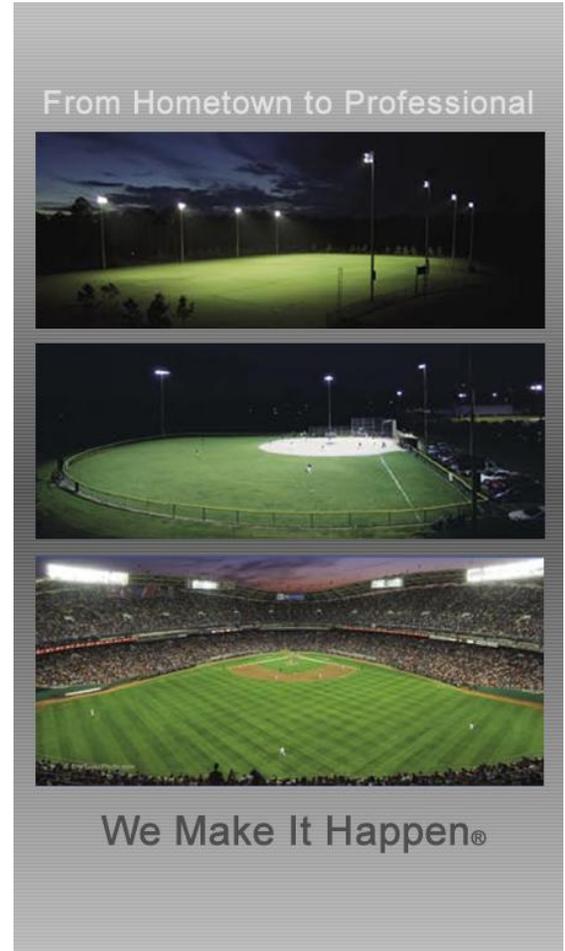
Group / Switching Summary

Group Name	Description	Fixture Qty
A		46



MY PROJECT

Name: Lawrenceburg Babe Ruth
 Location: Lawrenceburg, TN



ENGINEERED DESIGN		
By:	W.VICE	
File # / Date:	165711	02-Oct-13

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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	A1-A2 C1-C2	70'	-	70'	1500W MZ	6	6	0
2	B1-B2	80'	-	80'	1500W MZ	11	11	0
6	TOTALS					46	46	0



MY PROJECT

Name: Lawrenceburg Babe Ruth
Location: Lawrenceburg, TN

GRID SUMMARY

Name: Baseball-1
Size: 330'/360'/330' - basepath 90'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	51.3	30.6
Maximum:	55	49
Minimum:	45	22
Avg / Min:	1.2	1.4
Guaranteed Max / Min:	2	2.5
Max / Min:	1.22	2.22
UG (adjacent pts):	1.2	1.4
CV:	0.1	0.2
No. of Points:	25	100

LUMINAIRE INFORMATION

Luminaire Type: Green Generation
Rated Lamp Life: 5,000 hours
Avg Lumens / Lamp: 134,000
Avg Lamp Tilt Factor: 1.000
No. of Luminaires: 46
Avg KW: 71.94 (78.2 max)

Guaranteed Performance: The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

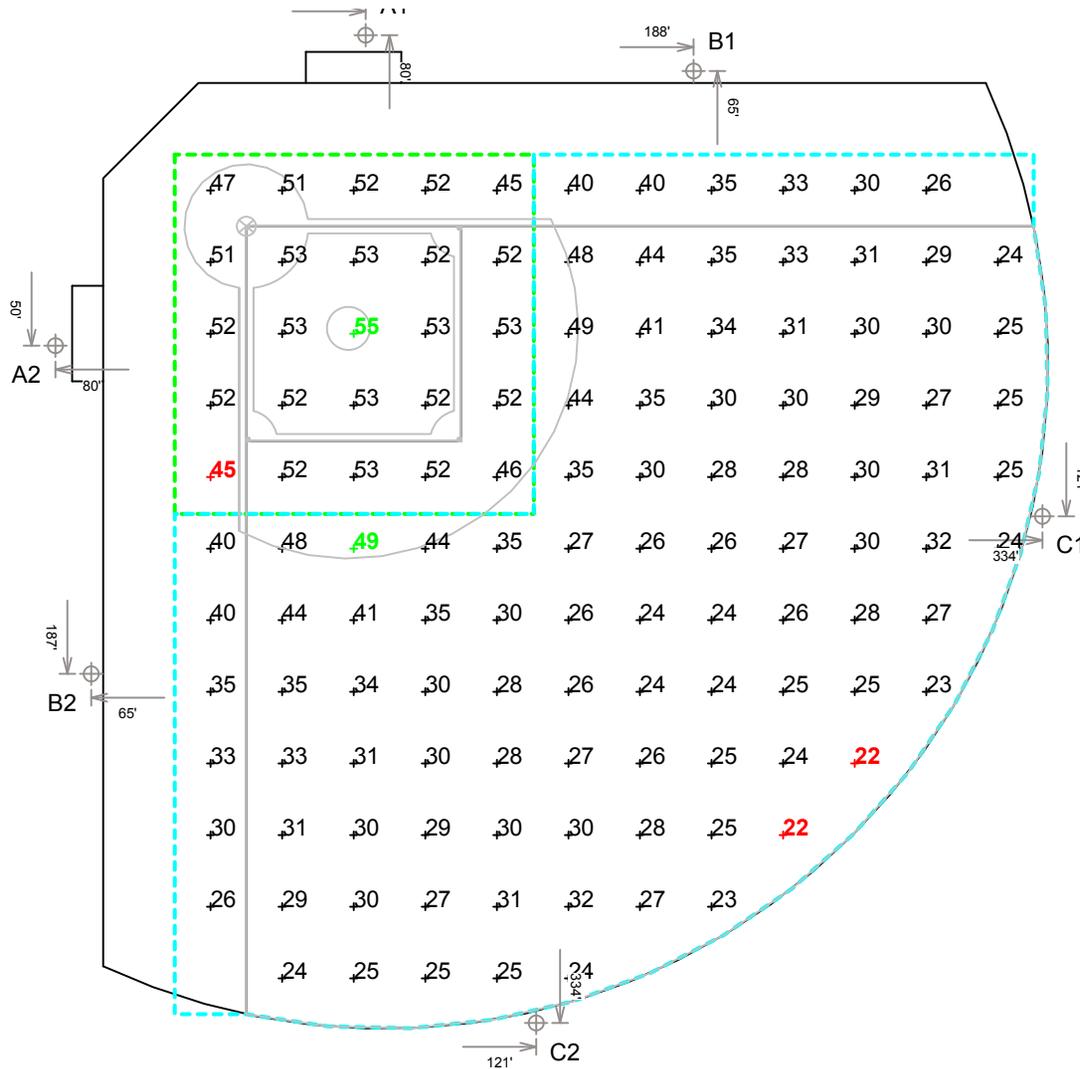
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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

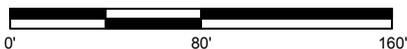
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SCALE IN FEET 1 : 80



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	A1-A2 C1-C2	70'	-	70'	1500W MZ	6	6	0
2	B1-B2	80'	-	80'	1500W MZ	11	11	0
6	TOTALS					46	46	0



MY PROJECT

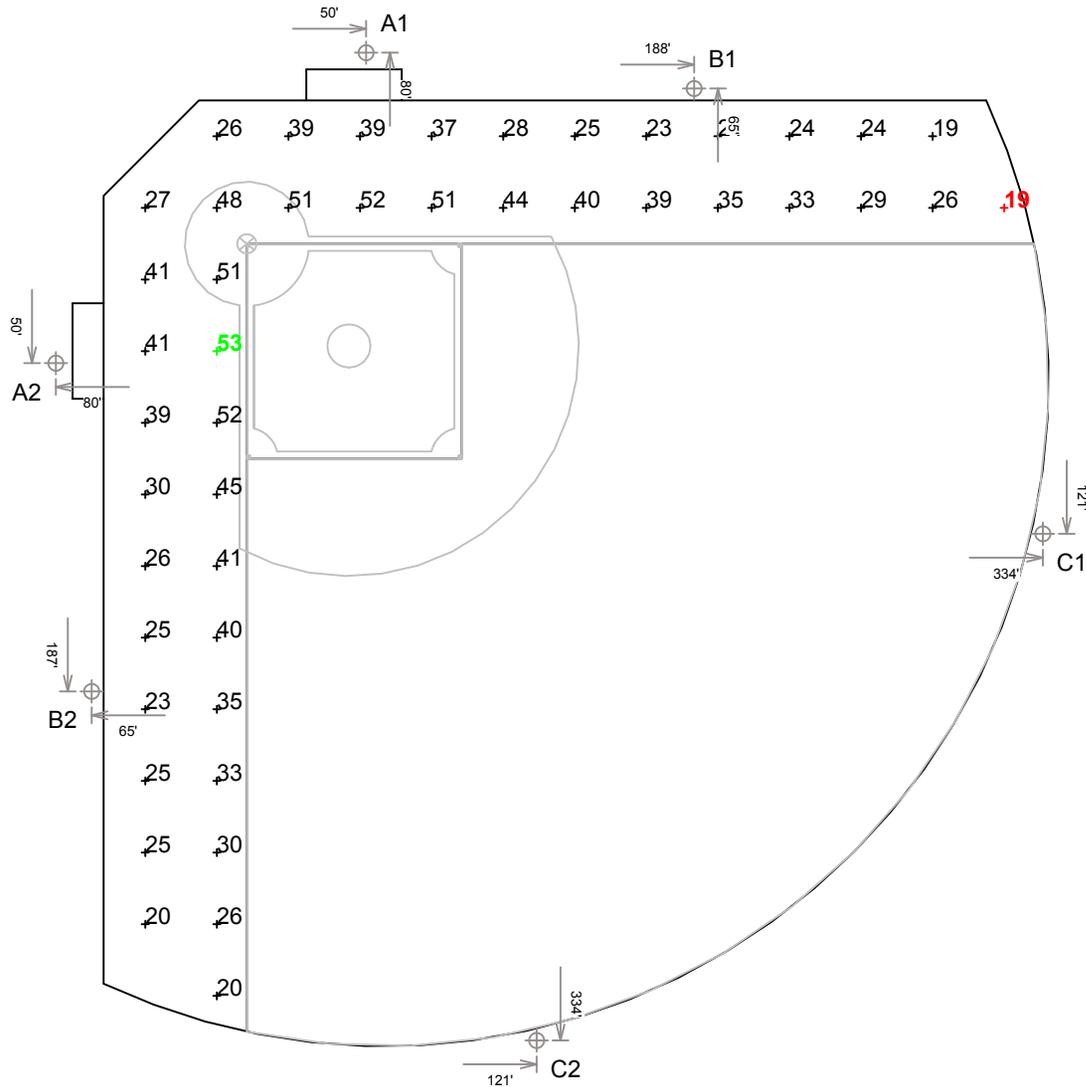
Name: Lawrenceburg Babe Ruth
Location: Lawrenceburg, TN

GRID SUMMARY

Name: Foul Territory
Size: 330'/360'/330' - basepath 90'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY		HORIZONTAL FOOTCANDLES
		Entire Grid
Guaranteed Average:		30
Scan Average:		33.8
Maximum:		53
Minimum:		19
Avg / Min:		1.8
Guaranteed Max / Min:		3
Max / Min:		2.81
UG (adjacent pts):		1.8
CV:		0.3
No. of Points:		45
LUMINAIRE INFORMATION		
Luminaire Type:	Green Generation	
Rated Lamp Life:	5,000 hours	
Avg Lumens / Lamp:	134,000	
Avg Lamp Tilt Factor:	1.000	
No. of Luminaires:	46	
Avg KW:	71.94 (78.2 max)	



Guaranteed Performance: The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

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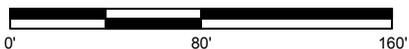
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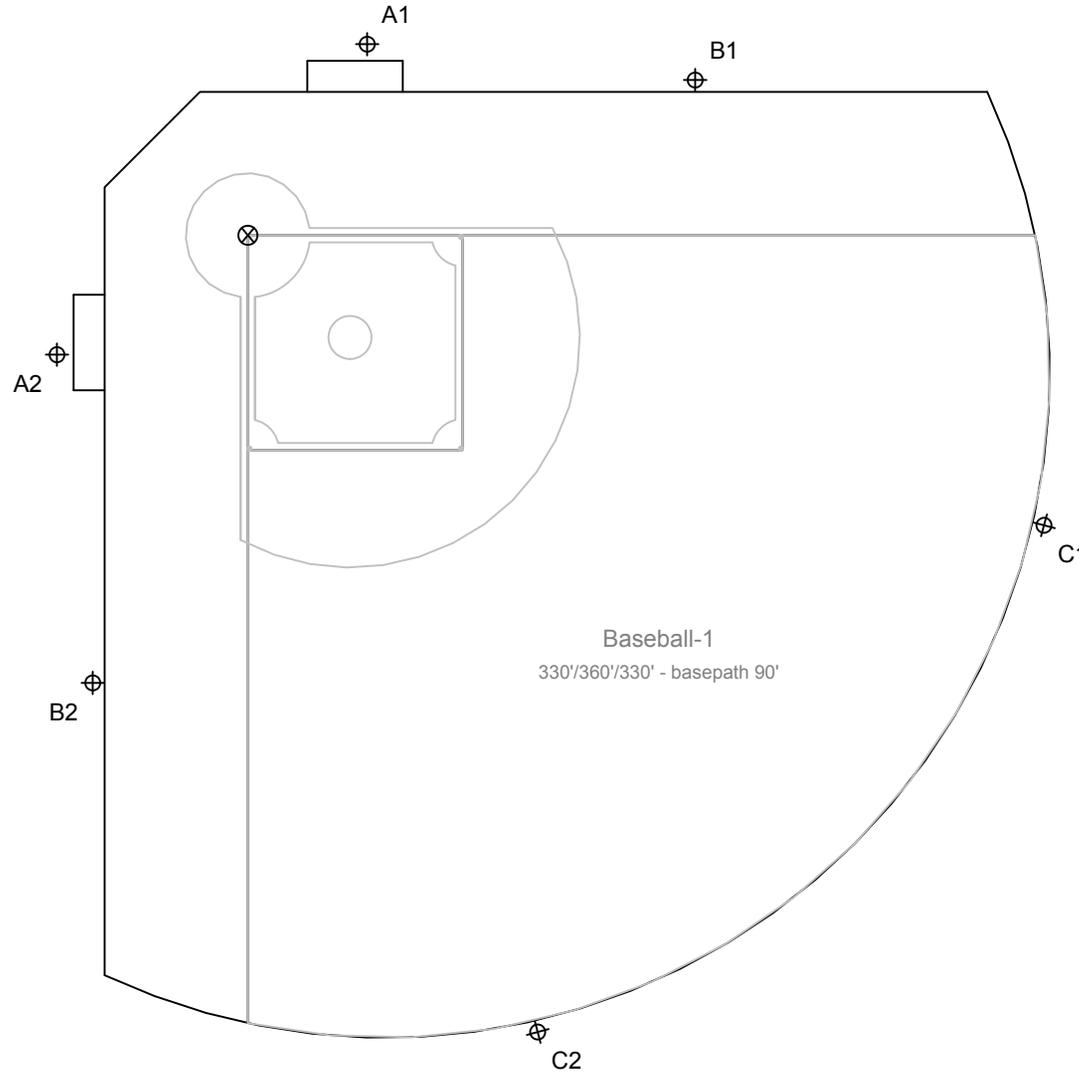
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SCALE IN FEET 1 : 80



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



MY PROJECT

Name: Lawrenceburg Babe Ruth
 Location: Lawrenceburg, TN

EQUIPMENT LAYOUT

INCLUDES:

- Baseball-1

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 ballast and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	Pole		Luminaires		
		SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE
4	A1-A2 C1-C2	70'	-	70'	1500W MZ	6
2	B1-B2	80'	-	80'	1500W MZ	11
6	TOTALS					46

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
1500 watt MZ	8.6	8.3	7.5	6.5	5.1	4.7	3.7

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