Cedar Park Baseball Aka Mel Roberts Park Foley, AL

Lighting System

Pole/Fixture S	ummary					
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	70'	70'	4	TLC-LED-1200	4.68 kW	С
A2	75'	75'	4	TLC-LED-1200	4.68 kW	С
A3-A4	60'	60'	1	TLC-LED-1200	1.17 kW	Α
		60'	1	TLC-LED-900	0.89 kW	Α
		16'	1	TLC-BT-575	0.57 kW	Α
A5-A6	60'	60'	1	TLC-LED-1200	1.17 kW	В
		60'	1	TLC-LED-900	0.89 kW	В
		16'	1	TLC-BT-575	0.57 kW	В
B1	70'	70'	2	TLC-LED-1200	2.34 kW	С
		70'	3	TLC-LED-1500	4.23 kW	С
B1 C1-C2	70'	16'	2	TLC-BT-575	1.15 kW	С
B2	75'	75'	1	TLC-LED-1200	1.17 kW	С
		75'	4	TLC-LED-1500	5.64 kW	С
		16'	2	TLC-BT-575	1.15 kW	С
B3-B4	70'	70'	1	TLC-LED-1500	1.41 kW	Α
		70'	2	TLC-LED-1200	2.34 kW	Α
		16'	1	TLC-BT-575	0.57 kW	А
B5-B6	70'	70'	1	TLC-LED-1500	1.41 kW	В
		70'	2	TLC-LED-1200	2.34 kW	В
		16'	1	TLC-BT-575	0.57 kW	В
C1-C2	70'	70'	1	TLC-LED-1500	1.41 kW	С
		70'	4	TLC-LED-1200	4.68 kW	С
14			64		67.36 kW	

Circuit Summary												
Circuit	Description	Load	Fixture Qty									
Α	Field A	13.92 kW	14									
В	Field B	13.92 kW	14									
С	Field C	39.52 kW	36									

Fixture Type Summary							
Туре	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	16
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	31
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	13
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	4

Single Luminaire Amperage Draw Chart														
Driver Specifications (.90 min power factor)		Lin	e Ampe (n	rage Per nax drav		ire								
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)							
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5							
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0							
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6							
TLC-LED-900	-	-	-	-	-	-	-							

Light Level Summary

Calculation Grid Summary												
Grid Name	Calculation Metric		I	llumination			Circuits	Fixture Qty				
Grid Name	Calculation Metric	Ave	Min	Max	Max/Min	Ave/Min	Circuits	Fixture Qty				
Field A (Infield)	Horizontal Illuminance	32	21	41	2.00	1.53	Α	14				
Field A (Outfield)	Horizontal Illuminance	22.2	13	30	2.35	1.71	Α	14				
Field B (Infield)	Horizontal Illuminance	32	21	41	2.00	1.53	В	14				
Field B (Outfield)	Horizontal Illuminance	22.2	13	30	2.35	1.71	В	14				
Field C (Infield)	Horizontal Illuminance	51.1	39	62	1.59	1.31	С	36				
Field C (Outfield)	Horizontal Illuminance	31.5	20	42	2.07	1.57	С	36				

From Hometown to Professional











QTY LOCATION SIZE GRADE MOUNTING HEIGHT	LUMINAIRE TYPE QTY/PC TLC-LED-1200 1 TLC-LED-900 1 TLC-BT-575 1 TLC-LED-1200 2 TLC-LED-1500 1 TLC-BT-575 1 14	1 0 1 0 1 0 2 0 1 0 1 0	西		S. D.	Y	A4	3 5′		878			\otimes	
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Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

Cedar Park Baseball Aka Mel Roberts Park

Foley, AL

Grid Summary	
Name	Field A
Size	200'/200'/200' - basepath 60'
Spacing	20.0' x 20.0'
Height	3.0' above grade

Illumination Summa	ry	
		MAINTAINED HORIZONTAL FOOTCANDLES
	Infield	Outfield
Guaranteed Average	30	20
Scan Average	32.04	22.24
Maximum	41	30
Minimum	21	13
Avg/Min	1.56	1.75
Guaranteed Max/Min	2.5	3
Max/Min	2.00	2.35
UG (adjacent pts)	1.36	1.59
CU	0.61	
No. of Points	25	75
LUMINAIRE INFORMATION		
Applied Circuits	Α	
No. of Luminaires	14	
Total Load	13.92 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.



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Equipment List For Areas Shown

Luminaires

QTY	LOCATION	SIZE	GRADE ELEVATION			LUMINAIRE		QTY/POLI	E THIS GRID												
2	A5-A6	60'	-	60' 60'		TLC-LED-1: TLC-LED-9	900	1	1	0											
2	B5-B6	70'	_	16' 70'		TLC-BT-5	575 1200	2	2	0											
2	B3-B0	70		70'		TLC-LED-1	L500	1	1	0											
4				16' Totals		TLC-BT-5	575	1 14	1 14	0	41.0	9000	100		100	Street, St.	1000		2773	A STATE OF THE STA	THE REAL PROPERTY.
				Totals	100	25	100	MIN													The other land
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																A5	35'			The state of the s	

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

Cedar Park Baseball Aka Mel Roberts Park

Foley, AL

Grid Summary	
Name	Field B
Size	200'/200'/200' - basepath 60'
Spacing	20.0' x 20.0'
Height	3.0' above grade

Illumination Summa	ry	
		MAINTAINED HORIZONTAL FOOTCANDLES
	Infield	Outfield
Guaranteed Average	30	20
Scan Average	32.04	22.24
Maximum	41	30
Minimum	21	13
Avg/Min	1.56	1.75
Guaranteed Max/Min	2.5	3
Max/Min	2.00	2.35
UG (adjacent pts)	1.36	1.59
CU	0.61	
No. of Points	25	75
LUMINAIRE INFORMATION		
Applied Circuits	В	
No. of Luminaires	14	
Total Load	13.92 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.



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Equipment List For Areas Shown

Luminaires

	Pole QTY LOCATION SIZE GRADE ELEVATION				Luminaires															-
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS OTHER GRID GRIDS	1												
1	A1	70'	-	70'	TLC-LED-1200		4 0	\dashv												
1	A2	75'	-	75'	TLC-LED-1200		4 0													
1	B1	70'	-	70'	TLC-LED-1200		2 0													
				70' 16'	TLC-LED-1500 TLC-BT-575		3 0													L
1	B2	75'	-	75'	TLC-LED-1200		1 0													
				75'	TLC-LED-1500		4 0													
	04.00	701		16'	TLC-BT-575		2 0													
2	C1-C2	70'	-	70' 70'	TLC-LED-1200 TLC-LED-1500		4 0 1 0													
				16'	TLC-BT-575		2 0	100	C. B. S.	NO COMMITTEE	1000			-	40.00	CONTRACTOR OF		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- I
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Pole location(s) \bigoplus dimensions are relative to 0,0 reference point(s) \boxtimes

Cedar Park Baseball Aka Mel Roberts Park

Foley, AL

Grid Summary	
Name	Field C
Size	Irregular 311'/343'/311'
Spacing	30.0' x 30.0'
Height	3.0' above grade

Illumination Summary						
		MAINTAINED HORIZONTAL FOOTCANDLES				
	Infield	Outfield				
Guaranteed Average	50	30				
Scan Average	51.10	31.46				
Maximum	62	42				
Minimum	39	20				
Avg/Min	1.32	1.55				
Guaranteed Max/Min	2	2.5				
Max/Min	1.59	2.07				
UG (adjacent pts)	1.29	1.52				
CU	0.74					
No. of Points	25	90				
LUMINAIRE INFORMATION						
Applied Circuits	C					
No. of Luminaires	36					
Total Load	39.52 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.



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Equipment List For Areas Shown



Cedar Park Baseball Aka Mel Roberts Park

Foley, AL

Equipment Layout

- INCLUDES:
 · Field A
 · Field B
- · Field C

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.

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING LUMINAIRE TYPE		QTY/POLE		
1	A1	70'	-	70'	TLC-LED-1200	4		
1	A2	75'	-	75'	TLC-LED-1200	4		
4	A3-A6	60'	-	60'	TLC-LED-1200	1		
				60'	TLC-LED-900	1		
				16'	TLC-BT-575	1		
1	B1	70'	-	70'	TLC-LED-1200	2		
				70'	70' TLC-LED-1500			
				16' TLC-BT-575		2		
1	B2	75'	-	75'	TLC-LED-1200	1		
				75'	TLC-LED-1500	4		
				16'	TLC-BT-575	2		
4	B3-B6	70'	-	70'	TLC-LED-1200	2		
				70'	TLC-LED-1500	1		
				16'	TLC-BT-575	1		
2	C1-C2	70'	-	70' TLC-LED-1200		4		
				70'	TLC-LED-1500	1		
				16'	TLC-BT-575	2		
14 Totals						64		

Single Luminaire Amperage Draw Chart							
Driver Specifications	Line Amperage Per Luminaire (max draw)						
(.90 min power factor)							
Single Phase Voltage	208	220	240	277	347	380	480
	(60)	(60)	(60)	(60)	(60)	(60)	(60)
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-900	-	-	-	-	-	-	-
I LC-LED-900	-	_	_	-			



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