Spaulding Univ Soccer/Softball Louisville, KY

Lighting System

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Group
A1	70'	70'	4	TLC-LED-1150	4.60 kW	С
		70'	6	TLC-LED-1150	6.90 kW	В
A2	70'	70'	4	TLC-LED-1150	4.60 kW	С
B1	70'	70'	6	TLC-LED-1150	6.90 kW	С
		70'	7	TLC-LED-1150	8.05 kW	В
		25'	1	TLC-LED-1150	1.15 kW	С
B2, C1	70'	70'	6	TLC-LED-1150	6.90 kW	С
		25'	1	TLC-LED-1150	1.15 kW	С
S1, S3	70'	70'	7	TLC-LED-1150	8.05 kW	Α
S2	70'	70'	6	TLC-LED-1150	6.90 kW	Α
S4, S6	70'	70'	7	TLC-LED-1150	8.05 kW	Α
		70'	7	TLC-LED-1150	8.05 kW	В
S5	70'	70'	6	TLC-LED-1150	6.90 kW	Α
		70'	6	TLC-LED-1150	6.90 kW	В
S7	70'	70'	7	TLC-LED-1150	8.05 kW	В
12			109		125.35 kW	

roup Summary						
Group	Description	Avg Load	Max Load	Fixture Qty		
Α	Soccer 1	46.0 kW	46.0 kW	40		
В	Soccer 2	46.0 kW	46.0 kW	40		
С	Softball	33.35 kW	33.35 kW	29		

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>51,000	>51,000	>51,000	109

Light Level Summary

Gold Name	Calculation Metric		•	Fi. 4 Ot			
Grid Name		Ave	Min	Max	Max/Min	Groups	Fixture Qty
Soccer 1	Horizontal Illuminance	50.8	37.6	58.4	1.55	Α	40
Soccer 2	Horizontal Illuminance	50.5	38.4	59.2	1.54	В	40
Softball (Infield)	Horizontal Illuminance	71.6	60.3	84.3	1.40	С	29
Softball (Outfield)	Horizontal Illuminance	52.4	38.9	65.9	1.69	С	29
Spill/Glare - Prop Line	Horizontal Illuminance	2.97	0	15.4	0.00	A,B,C	109
Spill/Glare - Prop Line	Max Candela (by Fixture)	57647	0	286503	0.00	A,B,C	109
Spill/Glare - Prop Line	Max Vertical Illuminance Metric	4.17	0	19.8	0.00	A,B,C	109
Spill/Glare - Roadway	Horizontal Illuminance	0.01	0	0.08	0.00	A,B,C	109
Spill/Glare - Roadway	Max Candela (by Fixture)	1772	0	9686	0.00	A,B,C	109
Spill/Glare - Roadway	Max Vertical Illuminance Metric	0.03	0	0.25	0.00	A.B,C	109

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From Hometown to Professional











TYPE TLC-LED-1150 4 TLC-LED-1150 TLC-LED-1150 TLC-LED-1150 B2, C1 TLC-LED-1150 TLC-LED-1150 3 1 2 1 12 \$1, \$3, \$7 \$2 TLC-LED-1150 TLC-LED-1150 7/7* 14 0 S4, S6 70' TLC-LED-1150 TLC-LED-1150 S5 S6 SCALE IN FEET 1:100

EQUIPMENT LIST FOR AREAS SHOWN

ENGINEERED DESIGN By: D.Alexander • File #173832A • 31-Jan-17

Pole location(s) \bigoplus dimensions are relative to 0,0 reference point(s) \bigotimes

16 CUP 1087

Spaulding Univ Soccer/Softball

GRID SUMMARY

Name: Spill/Glare - Prop Line

Spacing: 30.0'

Height: 3.0' above grade

ILLUMINATION SUMMARY Entire Grid 2.9745 Scan Average: Maximum: 0.000 Minimum: No. of Points: UMINAIRE INFORMATION Color / CRI: 5700K - 75 CRI Luminaire Output: 121,000 lumens No. of Luminaires: 109 Total Load: 125.35 kW L90 hrs L80 hrs L70 hrs TLC-LED-1150 >51,000 >51,000 >51,000

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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LOCATION TLC-LED-1150 A2 TLC-LED-1150 **B1** TLC-LED-1150 B2, C1 TLC-LED-1150 TLC-LED-1150 S1, S3, S7 TLC-LED-1150 70' 7/7* 14 0 TLC-LED-1150 S4, S6 TLC-LED-1150 6/6* 12 109 109 S5 S6 SCALE IN FEET 1:100 Pole location(s) + dimensions are relative

to 0,0 reference point(s) ⊗

16 CUP 1087

Spaulding Univ Soccer/Softball

GRID SUMMARY

Name: Spill/Glare - Roadway

Spacing: 30.0'

Height: 3.0' above grade

ILLUMINATION SUMMARY Entire Grid 0.0104 Scan Average: Maximum: Minimum: 0.000 No. of Points: UMINAIRE SPORMATION Color / CRI: 5700K - 75 CRI Luminaire Output: 121,000 lumens No. of Luminaires: 109 Total Load: 125.35 kW Luminaire Type L80 hrs >51,000 TLC-LED-1150 >51,000 >51,000

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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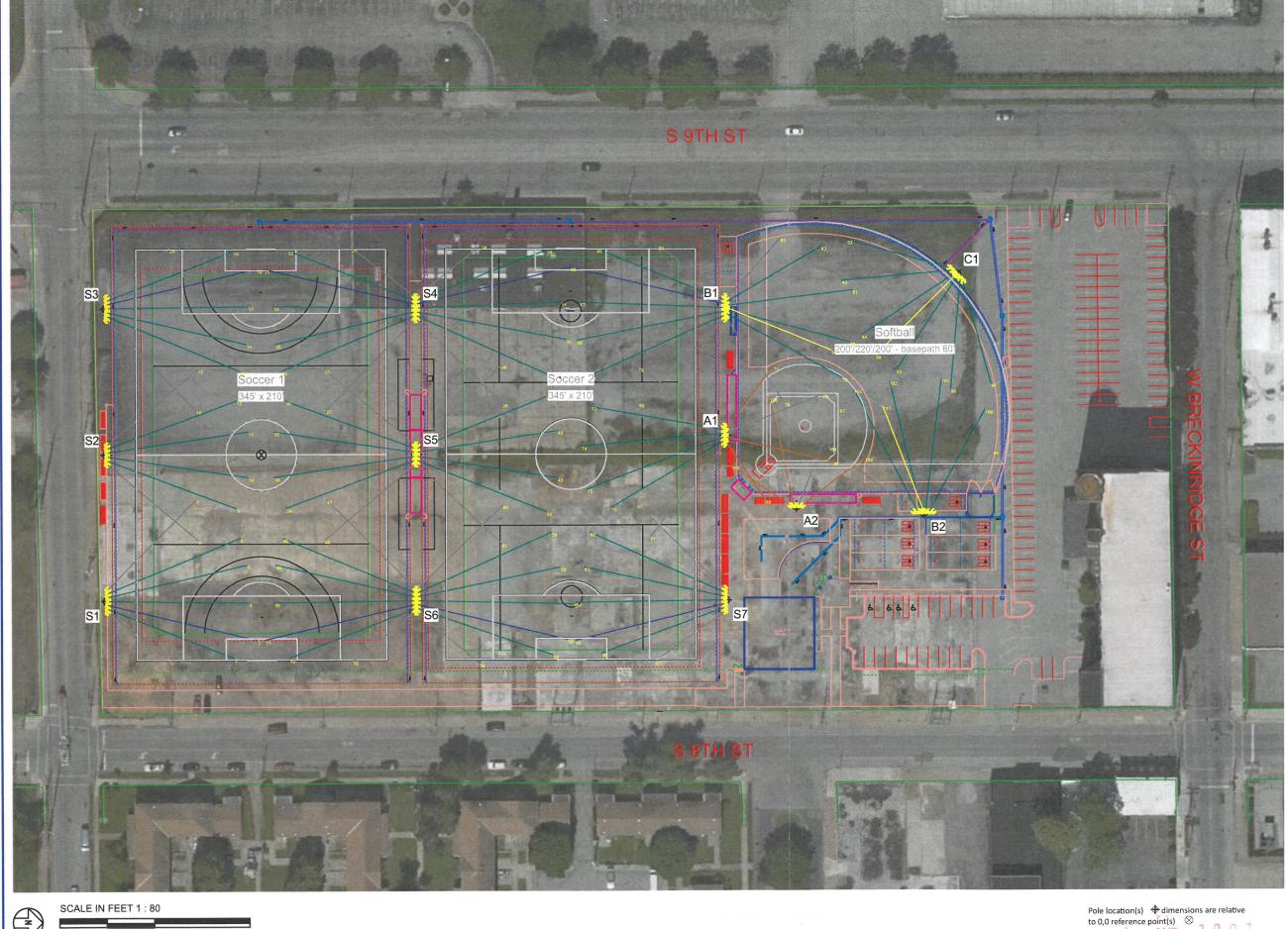
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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN



Spaulding Univ Soccer/Softball

EQUIPMENT LAYOUT

INCLUDES: · Soccer 1 · Soccer 2

Softball

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.

EQ	UIPME	NT LIST	FOR AR	EAS SHO	OWN			
		Pole		Luminaires				
QTY	LOCATION	CLASS	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE		
1	A1	LSS70D	i-	70'	TLC-LED-1150	4/6*		
1	A2	LSS70B	-	70'	TLC-LED-1150	4		
1	B1	LSS70D	E	25'	TLC-LED-1150	1		
				70'	TLC-LED-1150	6/7*		
2	B2, C1	LSS70C		25'	TLC-LED-1150	1		
				70'	TLC-LED-1150	6		
3	S1, S3 S7	LSS70C	-	70'	TLC-LED-1150	7		
1	S2	LSS70C	-	70'	TLC-LED-1150	6		
2	S4, S6	LSS70D	-	70'	TLC-LED-1150	7/7*		
1	S5	LSS70D		70'	TLC-LED-1150	6/6*		
12	A PARTY		TOTAL	S		109		

* This structure utilizes a back-to-back mounting configuration

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)							
Single Phase Voltage	208	220 (60)	240 (60)	277 (60)	347 (60)	380	480	
TLC-LED-1150	7.0	6.6	6.1	5.2	4.2	3.8	3.	

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