

Football 4 POLES 70'High 75' Pole Setback Class 3: 30FC

Project Name: TDS Project Number Date:	FB-4P-70H-75 163195	SB-30AVG									
POLE#	#POLES	Pole Height	<u>Fixture</u>	Qty/Pole	Total Fix	tures	Watts/Fixture	Total V	<u>Vatts</u>	Tota	ılK
P1	1	70'	ZNF-110L-VNF-50-GS	3	3		732	2,196		2.20	
			ZNF-110L-NF-50-GS	4	4		732	2,928		2.93	
			ZNF-110L-MF-50-GS	2	2	r 9	783	1,566		1.57	
						9			6,690		
P2	1	70'	ZNF-110L-VNF-50-GS	3	3		732	2,196		2.20	
			ZNF-110L-NF-50-GS	4	4		732	2,928		2.93	
			ZNF-110L-MF-50-GS	2	2		783	1,566		1.57	
						<b>'</b> 9			6,690		
Р3	1	70'	ZNF-110L-VNF-50-GS	3	3		732	2,196		2.20	_
			ZNF-110L-NF-50-GS	4	4		732	2,928		2.93	
			ZNF-110L-MF-50-GS	2	2		783	1,566		1.57	
						<b>7</b> 9			6,690		
P4	1	70'	ZNF-110L-VNF-50-GS	3	3		732	2,196		2.20	
			ZNF-110L-NF-50-GS	4	4		732	2,928		2.93	
			ZNF-110L-MF-50-GS	2	2		783	1,566		1.57	
						<b>7</b> 9			6,690		_
TOTALS	4					36			26,760		,

	/						\			`									\	\				
	₹7.0	<sup>‡</sup> 35.6	<sup>†</sup> 37.8	34.1			<b>1111</b> 26.3	<sup>‡</sup> 3‡.3	<b>1111</b> <sup>†</sup> 32.7	<sup>†</sup> 35.5	<b>1111</b> 35.9	33.6			35.5	<b>1111</b> 32.7	<sup>†</sup> 31.3	<b>1111</b> 26.3	25.3	30.7	341	<b>1111</b> 37.€	35.6	27.0
	29.9 /	37.5	<sup>‡</sup> 41⁄.2	<sup>1</sup> √0	J <sup>3</sup> 33.0	₹@	Z <sup>27.9</sup>	\\	چ <sup>‡33.1</sup>	\	<sup>†</sup> 38.4	₹	/ 38.0	<sup>3</sup> ∰	\$35.8 \$\bar{2}\$	₹3	.0 M∆4.0	<u></u> 5_@	Z <sup>‡</sup> 7.6	<sup>₹</sup>	1, 3,4.6	41.2	\$7.4 &	29.9
	30.7	40.7	42.0	<sup>†</sup> 34.8	39.8	<sup>‡</sup> 30.6	29.0	41.7	<sup>‡</sup> 36.4	<sup>†</sup> 34.1	\$5.8	58.1	₹38.1	35.8	<sup>‡</sup> 34.1	<sup>‡</sup> 36.4	41.7	29.0	<sup>†</sup> 30.6	39.8	34.8	<sup>†</sup> 42.0	40.7	30.7
	<sup>†</sup> 33.4	40.3	<sup>‡</sup> 37.7	<sup>‡</sup> 36.7	<sup>†</sup> 42.4	<sup>†</sup> 31.1	<sup>‡</sup> 28.7	<sup>‡</sup> 48.4	<sup>‡</sup> 41.2	<sup>†</sup> 32.4	<sup>†</sup> 32.5	34.7	<sup>†</sup> 34 <i>/</i> 1	<sup>†</sup> 32.5	<sup>‡</sup> 32.4	<sup>‡</sup> 41.2	<sup>†</sup> 43.4	<sup>‡</sup> 28.7	<sup>†</sup> 31.1	<sup>†</sup> 42.4	÷ 36.7	<b>3</b> 7.7	40.3 5	33.4
	<sup>‡</sup> 35.1 /	/ 36.5	32.1 1 1 1	37.0 <b>III</b>	<sup>†</sup> 39.5	29.2 	<sup>‡</sup> 26.7	<sup>+</sup> 41.1	<sup>‡</sup> 41.9	<sup>†</sup> 32.5	<sup>†</sup> 30.2	31.4	31,4	<sup>‡</sup> 30.2 <b>III</b>	<sup>‡</sup> 32.5	<sup>†</sup> 41.9	41.1 I I I I	<sup>‡</sup> 26.7	<sup>‡</sup> 29.2	39.5	37.0     1   1	32.1 1 1 1	36.5 3	35.1
1	<sup>‡</sup> 35.3	<sup>‡</sup> 35.4	<b>⊉</b> 9.8	<sup>‡</sup> 36.2	38.8	±28.2	ž6.0	<sup>‡</sup> 40.2	<sup>‡</sup> 42.0	<sup>‡</sup> 32.1	29.3	<sup>†</sup> 30.4	<sup>†</sup> 30.4	29.3	<sup>‡</sup> 32.1	<sup>‡</sup> 42.0	<sup>‡</sup> 40.2	26.0	±28.2	<sup>‡</sup> 38.8	36.2	1+ 29.8	35.4	35.3
	<sup>‡</sup> 35.1	₹36.5	†32.1		<b>111</b> 39.5			<b>41.</b>	<b>1111</b> *41.9		I . I	1 1 1 1 31.4		I . I		<b>1111</b> <sup>†</sup> 41.9	<b>\</b>	<b>1111</b> 26.7	<b>1111</b> 29.2	./		I .	36.5 3	35.1
	<sup>‡</sup> 33.4	40.3	<sup>‡</sup> 37.7	<sup>†</sup> 36.7	<sup>†</sup> 42.4	<b>†</b> 31.1	28.7	43.4	<sup>‡</sup> 41.2	<sup>†</sup> 32.4	<sup>†</sup> 32.5	<sup>†</sup> 34.7	<sup>†</sup> 34.7	₹32.5	<sup>‡</sup> 32.4	<sup>‡</sup> 41.2	43.4	<sup>‡</sup> 28.7	₹31.1	42.4	36.7	<sup>‡</sup> 37.7	40.3 5	33/4
	₹.0₹	40.7	42.0	<sup>†</sup> 34.8	<sup>39</sup> 8			/		34.1	35.8	<sup>†</sup> 38.1	<sup>†</sup> 38.1	35.8	<sup>†</sup> 34.1	<sup>†</sup> 36.4	\ \			39.8	34.8	42.0	40.7	30.7
	<sup>‡</sup> 29.9	37.4	41.2	√√ 34.6	<u>\$33.0</u>	√2 27.6	0 27.9	\(\sigma_{\frac{1}{3}4.\text{\(\text{\general}}\)}\)		√ 4] 35/8	<b>(</b> )	5 38.0	38.0	<b>4</b> } 38.4	<b>0</b> ⊳ <sup>†</sup> 35.8	33.1		2 27.9		∫ ±33.0	Ø ⊳ 34.6	41.2	37.5 t	29.9
	±27.0	<sup>‡</sup> 35.6	1 (3718	1 1 3 4 11	1 1 3047	   ₁∄5 <sub>1</sub> 3	ı ı†a6ı3	   1 <sup>‡</sup>  1.β	ı ı <sup>‡</sup> a2ı7	/ <sub>1</sub> 35 <sub>1</sub> 5	1 13/519	<sup>†</sup> aj3 6	<sup>†</sup> 33 6	1 1, 4519	1 1 3515	ı ı <sup>‡</sup> a2ı7	<sub>1</sub> (ξ <sub>1</sub> ,β	<b>  146 </b> 3	ı ı†a5ıß	1 1 30)	1 1 3411	1 13/18	35.6	27.0
+352																								

## PHOTOMETRIC EVALUATION NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illunination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuninating Engineering Society (IES) approved nethods. Actual performance of any nanufacturer's luninaires nay vary due to changes in electrical voltage, tolerance in langs/IEIS and other variable filed conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture noneclature noted does not include nounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

The IES no longer uses the Cutoff Classification System for LED fixtures. The IES classifies LED fixtures with the BUG rating which refers to the Backlight-Upliph-Cilore system. An Uplight of 'UO' most closely natches the old Full Cutoff rating.

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z
SUMMARY	Illuminance	Fc	35	43.4	25.3	1.4	1.7	3

Luminaire Sched	lule						
Symbol	Qty	Label	Arrangement	Description	LLF	Arr. Lum. Lumens	Arr. Watts
-	12	A22	SINGLE	ZNF-110L-VNF-50-GS	0.930	107716	732
-	16	A33	SINGLE	ZNF-110L-NF-50-GS	0.930	99770	732
-	8	A44	SINGLE	ZNF-110L-MF-50-GS	0.930	107073	783

Maintained Illumination Levels at 3' Above Grade.

Final Alming Diagram, Racking Diagram, and Calculations Furnished upon Receipt of a released order.

Dimensions of drawings that have been scaled or converted from PDF files or scanned /submitted images are approximate.

Total Project Watts Total Watts = 26760





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LIGHTING PROPOSAL LO-163195

FB-4P-70H-75SB-30AVG

TUO PATE DEV

SCALE: 1'=40' ARCH B